DEPARTMENT OF FORENSIC SCIENCE
METHOD VALIDATION SUMMARY FORM

Section: Toxicology

Method: Addition of Xylazine by SPE to the Acid/Base/Neutral Drug Screen

And Quantitation by GC and GCMS

Results recorded? ☑

Procedure documented? ☑

Method fit for use? ☑

Approved by: _____ Date: 5-1-23

MEMORANDUM FOR RECORD

From: Kimberly Meinweiser Date: 04/18/2023

Handwritten initials/e-Signature: KM

Subject: Qualitative Validation for Xylazine

DISTRIBUTION:

- ☐ Director
- ☐ Deputy Director
- ☐ DTS
- ☐ HR
- ☐ Counsel
- ☐ FS Lab #:
- ☐ Laboratory Director:
- ☑ Program Manager: Toxicology
- ☐ Supervisor, Section:
- ☐ Other:

Approved for SPE base screen, with methapyrilene as the ISTD. Do NOT use for the analysis of liver.

5/1/23

Laboratory:

The following research for the qualitative determination of xylazine was conducted in the Eastern Laboratory between the dates of 09/23/2021 and 09/28/2021. The proposal was signed on 09/08/2021, which at the time, was a previous revision of the Toxicology SOP. This qualitative validation plan follows what was written in the SOP, revision 19, which was current at the time of the proposal. Data analysis was delayed due to the co-elution of xylazine and tramadol, absence from work and prioritizing casework.

The existing Base Screen GCMS/NPD Solid Phase Extraction (9.6.1) method from the Toxicology SOP was used with a reconstitution of 200uL THIA. The GCMS and NPD parameters are the standard parameters utilized at the Eastern Laboratory for routine base screen analysis.

Interferences from endogenous compounds were evaluated. A total of ten matrix blanks were screened on the GCMS; 1-4 (blood), 6-8 (urine), 9-10 (liver). All were evaluated for the presence of an interfering compound or instrumental response via extracted ion chromatograph for the major indicative ions for xylazine (i.e., m/z 205, 220, 130 and 145). All screened negative for xylazine. Four main matrix blanks were chosen for use in the validation; Matrix 1, Matrix 2, Matrix 6 and Matrix 10.

The analyte was extracted by itself at 2.0 mg/L in four separate matrix blanks. In the same four matrix blanks, the internal standard was extracted by itself. There was no interference documented by the internal standard.

Carryover was evaluated by running three injections of the 0.10 mg/L, 0.50 mg/L, 1.0 mg/L and 2.0 mg/L xylazine standard each followed by a matrix blank. None of the matrix blanks had any carryover observed on either the GCMS or the NPD.

The administrative LOD for the method is 0.005 mg/L. The 0.005 mg/L as well as a 0.010 mg/L were spiked and extracted from four different matrices; two blood, one urine and one liver. When spiked at 0.005 mg/L the retention times and spectral matches were less than acceptable. At 0.010 mg/L the retention times and spectral matches for all matrices were acceptable making 0.010 mg/L an acceptable LOD for xylazine.
Slight retention time shift was observed for Matrix 10 (liver), though still within the +/- 2% window. It would be recommended to run a matrix matched spiked standard for the qualitative determination in liver specimens.

The previously confirmed statewide base control drugs (diphenhydramine, pcp, tramadol, dextromethorphan, amitriptyline, nortiptyline, cyclobenzaprine, citalopram and trazodone) and the base in-house control drugs (doxylamine, chlorpheniramine, methadone, sertraline) were spiked alone at 2.0 mg/L and together with 2.0 mg/L of xylazine. Tramadol and xylazine have a very similar RT on the GCMS; tramadol~ 10.454 min (aafs library match 95) and xylazine~ 10.472 min (aafs library match 97 or >). Although the two drugs coelute, it is clear in all four matrices that there are two compounds present. On the NPD tramadol and xylazine do have slight separation, although if they are seen together, tramadol would need to be quantitated on the Opicoc method. On the NPD tramadol's RT is 11.033 (RRT ~0.9787) and xylazine RT 11.046 (RRT 0.9810) respectivly.

Based on these findings, I request approval to qualitatively identify and report xylazine in case work using the modified Base Screen GCMS/NPD Solid Phase Extraction method described above. Data supporting this request is attached.

MEMORANDUM FOR RECORD

From: Kimberly Meinweiser Date: 04/18/2023

Handwritten initials/e-Signature: KM

Subject: Qualitative Validation for Xylazine

DISTRIBUTION:

☐ Director	☐ FS Lab #:		
☐ Deputy Director	☐ Laboratory Director:		
☐ DTS	☑ Program Manager:	Toxicology	
☐ HR	☐ Supervisor, Section:		Laboratory:
☐ Counsel	☐ Other:		

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MEMORANDUM FOR RECORD

From: Kimberly Meinweiser Date: 09/08/2021

Handwritten initials/e-Signature: Meinweiser Kimberly Ipu25291 Digitally signed by Meinweiser Kimberly Ipu25291 Date: 2021.09.08 10:07:38 -04'00'

Subject: Qualitative Xylazine Validation Proposal

DISTRIBUTION:

☐	Director	☐	FS Lab #:		
☐	Deputy Director	☐	Laboratory Director:		
☐	DTS	☑	Program Manager:	James Hutchings, PhD	
☐	HR	☑	Supervisor, Section:	Connie Luckie, PhD	Laboratory: Eastern Toxicology
☐	Counsel	☑	Other:	Rebecca Wagner, PhD	

James Hutchings sme19098 Digitally signed by James Hutchings sme19098 Date: 2021.09.08 11:18:08 -04'00'

I am proposing to perform a validation for the qualitative analysis of xylazine by means of the existing Base Screen GCMD/NPD Solid Phase Extraction (9.6.1) method from the Toxicology SOP. Methapyrilene will be the internal standard. A certified Cerilliant standard will be used to perform the validation.

Xylazine will be studied at three concentrations spread across the linear range of the standard base quantitation curve; 0.010 mg/L, 0.10 mg/L and 2.0 mg/L.

Ten matrix blanks consisting of 5 blood samples, 3 urine samples and 2 liver homogenates will be screened for xylazine. They will also be examined to ensure that they have no endogenous contributions to the analyte signals.
Four matrix blanks will then be chosen for use in the validation.

The analyte will be extracted by itself at the following concentrations; 0.010 mg/L, 0.10 mg/L and 2.0 mg/L in four separate matrix blanks. In these same four matrix blanks, the internal standard will be extracted by itself.

Carryover will be evaluated by running three injections of the 0.10 mg/L xylazine standard followed by a matrix blank. Three more injections of the 2.0 mg/L xylazine standard will be injected followed by another matrix blank.

Common base drugs (diphenhydramine, doxylamine, tramadol, chlorpheniramine, dextromethorphan, methadone, amitriptyline, nortripyline, cyclobenzaprine, sertraline and trazodone) will be spiked at 2.0 mg/L to evaluate for any interferences in four separate matrix blanks.

The administrative LOD for the current method is 0.0050 mg/L. This concentration will be spiked and extracted from four different matrices; two blood, one urine and one liver.
The predetermined identification criteria are listed below:
Retention time +/- 2%
Identification of peak by library search of the spectrum

Xylazine:

	0.01 RRT	match %	0.1 RRT	0.5 RRT	1.0 RRT	2.0 RRT	LOD RRT	match %
matrix 2	0.979	61	0.979	0.979	0.980	0.981	0.979	34
matrix 1	0.979	70	0.979	0.979	0.980	0.981	0.979	5
matrix 6	0.979	74	0.979	0.979	0.980	0.981	0.979	38
matrix 10	0.985	61	0.984	n/a		split peak	0.985	50

avg RRT across matrix 1, 2 and 6 for all conc: **0.980**

Tramadol:

matrix 2	0.978	*
matrix 1	0.976	*
matrix 6	0.978	*
matrix 10	0.978	*

* Although co-elution of tramadol and xylazine is observed @ 2.0 mg/L, peaks are distinguishable albeit not baseline resolved.
Individualized mass spectral identification with library match is demonstrated in validation data.

CERTIFICATE of ANALYSIS

Xylazine

N-(2,6-dimethylphenyl)-5,6-dihydro-4H-1,3-thiazin-2-amine

Item No. 22641 • Batch No. 0508346

Purity Specification: ≥98%
Molecular Formula : C12H16N2S
CAS Number: 7361-61-7 Formula Weight : 220.3 Expiry date: 10JUN2023

Tests	Results
HPLC	Purity: 100.0 %
IR	Conforms
Mass spec	MH+: 221.0
Melting Point	135 - 138 °C
TLC	Purity: 100 %
NMR	Conforms

Reviewed and approved by: Jennifer LaBrecque

Jen LaBrecque

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1180 EAST ELLSWORTH RD
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CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM

Multi-Component Standard, Calibrator, and Control Preparation Log

Name: XYLAZINE CAL WORKING STOCK SOLUTION

Assigned Lot#: C-XYLA-20210922 **Location:** Eastern Tox

Date Prepared/Initials: KM 9/22/2021 **Placed in Service/Initials:** KM 9/22/2021

Solvent (ID/Manuf/Lot): MEOH / B&J / DZ846-US

Verification Location: XYLAZINE VALIDATION

DFS Expiration*: 06/10/2023

Retest Date:**

Post Retest Exp Date:

Retest Data Location:

*Two years from preparation or earliest expiration of component. **May be retested to extend the DFS expiration date for 1 year

Preparation Instructions:
0.01 mg/mL: pipet 100 uL of the previously prepared 1.0 mg/mL working stock into a rinsed, traceable 10mL volumetric and QS with methanol.
0.001 mg/mL: pipet 1 mL of the 0.01 mg/mL working stock into a rinsed, traceable 10 mL volumetric and QS with methanol.

Volumetic Glassware Serial Number: CF 70741 **Visually Inspected (Y/N):** Y

Drug Standard	Std Source	Lot#	Exp Date	Std Conc	Final Conc
XYLAZINE 1-A7	CAYMAN	508346	06/10/2023	1.0 mg/mL	0.01 & 0.001 mg/mL

DRUG STOCK STANDARD PREPARATION LOG

Standard & Concentration Prepared: Xylazine working stock- 1mg/mL **Assigned Lot#:** XYLA-20210922

Date Prepared	Assigned Expiration Date	Employee Initials	Drug Name	Vendor Source / Lot # / Expiration Date
9·22·21	6·10·23	KM	Xylazine	Cayman|0508346|6·10 23

Method of Preparation: Salt Correction: Most drug standards are prepared as a salt or hydrate, such as phencyclidine hydrochloride, morphine sulfate or benzoylecgonine - $4H_2O$. The extra weight of the salt or hydrate must be corrected for when preparing liquid drug standards. The following formula is used to determine the amount of drug salt to be weighed.

[mg parent drug desired] x [FW drug salt (mg/mmole)] = mg drug salt required
[FW parent drug (mg/mmole)]

FW Drug: 220.33 FW Drug Salt: 256.79 mg Weighed: 11.65

Solvent: MeOH Manuf./Lot: BCJ/D2846-US Volume: 10mL

Weigh 11.65mg std into a 10mL volumetric + QS to volume w/ MeOH

ASSAY: Base Screen

Analyst(s): K.Meinweiser

QC Data File: Xylazine Validation

	Sample / FS #	Item #	Sample Info
1	MATRIX BLANK 1	BLD	BB0321-1
2	MATRIX BLANK 2	BLD	BB0721-1
3	MATRIX BLANK 3	BLD	BB0121-1
4	MATRIX BLANK 4	BLD	BB0121-2
5	MATRIX BLANK 5	BLD	BB0519-3
6	MATRIX BLANK 6	URN	BUR101017
7	MATRIX BLANK 7	URN	BU06017
8	MATRIX BLANK 8	URN	BUR0819
9	MATRIX BLANK 9	LVR	LIV0109
10	MATRIX BLANK 10	LVR	LIV09231 *satisfies 2.8.1.1.4
11			
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	Sample / FS #	Item #	Sample Info
26			
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39			
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50			

Specimens removed from TX ADM storage, aliquots removed for analysis, specimens returned to TX ADM storage by, unless otherwise noted:

Extraction: LL / (SPE) **SPE lot #:** 024170-XD

Control Charts Updated (Initials/Date): N/A

Analyst: Kmeinweiser

Reviewer / Date:

Date: 09.23.21

Time Removed: 0726 **Time Returned:** 0743

220-F156 Toxiclogy Barcode Batch Worksheet
Issued by Toxicology Program Manager
Issue Date: 02-July-2020

Qualtrax ID 26328
Qualtrax Revision 1

Toxicology Batch Lot Summary Sheet

Analysis:	Base Quant/Screen	
QC Data File:	Xylazine Validation	
Material	**Lot Number**	**Expiration Date**
Phosphate Buffer	9-21-21	9-21-23
Acetic Acid	8-31-21	8-31-23
Methanol	DZ846-US	3-10-22
Hexane	0000269095	9-3-24
THIA	7-19-21	7-19-23
DiH_2O	In-House	N/A
Methylene Chloride/IPA/NH_4OH	9-23-21	9-24-21

Sequence Table (Front Injector):

Line	Location	SampleName	Method Name	Num Inj	SampleType
1	Vial 131	ETOAC	ALKALI	1	Sample
2	Vial 132	MATRIX BLANK 1 BLD	ALKALI	1	Sample
3	Vial 133	MATRIX BLANK 2 BLD	ALKALI	1	Sample
4	Vial 134	MATRIX BLANK 3 BLD	ALKALI	1	Sample
5	Vial 135	MATRIX BLANK 4 BLD	ALKALI	1	Sample
6	Vial 136	MATRIX BLANK 5 BLD	ALKALI	1	Sample
7	Vial 137	MATRIX BLANK 6 URN	ALKALI	1	Sample
8	Vial 138	MATRIX BLANK 7 URN	ALKALI	1	Sample
9	Vial 139	MATRIX BLANK 8 URN	ALKALI	1	Sample
10	Vial 140	SOLVENT BLANK AFTER MATIX 8	ALKALI	1	Sample
11	Vial 141	MATRIX BLANK 9 LVR	ALKALI	1	Sample
12	Vial 142	SOLVENT BLANK AFTER MATRIX 9	ALKALI	1	Sample
13	Vial 143	MATRIX BLANK 10 LVR	ALKALI	1	Sample
14	Vial 144	SOLVENT BLANK AFTER MATRIX 10	ALKALI	1	Sample
15	Vial 145	OFF	ALKALIOFF	1	Sample

Vial Check
EL 9.24.21

Method Information

Method: C:\CHEM32\1\METHODS\ALKALI.M
Modified: 9/23/2021 at 11:21:17 AM

KM/QC DATA IN XYLAZINE VALIDATION

Injection Source and Location

Injection Source: GC Injector

Injection Location: Front

Agilent 7890B

GC	
Oven	
Equilibration Time	0.5 min
Max Temperature	325 °C
Slow Fan	Disabled
Oven Program	On
Oven Program	90 °C for 2 min
Oven#1	then 15 °C/min to 245 °C for 0 min
Oven#2	then 30 °C/min to 300 °C for 7 min
Run Time	21.167 min
Cryo	Off
ALS	
Front Injector	
Syringe Size	10 µL
Syringe	A Syringe has not been selected.
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	4
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	4
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	2
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	1 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Tray	
Barcode heater	Disabled
Barcode mixer	Disabled
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Pulsed Splitless
Heater	On 260 °C
Pressure	On 18.881 psi
Total Flow	On 44.5 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	On 20 After 2 min mL/min
Injection Pulse Pressure	40 psi Until 0.3 min

method: C:\CHEM32\1\METHODS\ALKALI.M
Modified on: 9/23/2021 at 11:21:17 AM

Purge Flow to Split Vent	40 mL/min at 0.5 min
Liner	Agilent 5190-2293: 900 µL (Splitless, single tape
Back SS Inlet He	
	***Excluded from Affecting GC's Readiness State**
Mode	Splitless
Heater	On 250 °C
Pressure	On 9.801 psi
Total Flow	On 41.7 mL/min
Septum Purge Flow	Off
Gas Saver	Off
Purge Flow to Split Vent	40 mL/min at 0.5 min
Liner	Agilent 5183-4647; Lot P02-C6823: 870 µL (Split,
Column	
Column #1	
RTX-1; SN 1652461	
0 °C—350 °C (350 °C): 30 m x 250 µm x 0.25 µm	
Column lock	Unlocked
In	Front SS Inlet He
Out	Front Detector NPD
(Initial)	90 °C
Pressure	18.881 psi
Flow	1.5 mL/min
Average Velocity	36.082 cm/sec
Holdup Time	1.3857 min
Flow Program	Off
Flow Program	1.5 mL/min for 1 min
Flow	then 0.2 mL/min per min to 2.2 mL/min for 0 m
Run Time	21.167 min
Column #2	
10223	
RTX-5	
0 °C—325 °C (325 °C): 30 m x 320 µm x 0.25 µm	
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	90 °C
Pressure	9.801 psi
Flow	1.7 mL/min
Average Velocity	31.621 cm/sec
Holdup Time	1.5812 min
Flow Program	Off
Flow Program	1.7 mL/min for 1 min
Flow	then 0.2 mL/min per min to 3 mL/min for 0 min
Run Time	21.167 min
Front Detector NPD	
Heater	On 310 °C
H2 Flow	On 3 mL/min
Air Flow	On 60 mL/min
Makeup Flow (Combined)	On 10 mL/min
Carrier Gas Flow Correction	Included in Makeup Flow
Bead	On
Signal 1 Type	NPD
Maximum Bead Voltage	4.095 V
Blos Bead	No

method: C:\CHEM32\1\METHODS\ALKALI.M
Modified on: 9/23/2021 at 11:21:17 AM

Dry Bead	Yes
Auto Adjust Bead	No
Back Detector FID	
	***Excluded from Affecting GC's Readiness State**
Heater	On 280 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Does not affect Makeup or Fuel Flow
Flame	Off
Electrometer	On
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	
Save	On
Data Rate	50 Hz
Signal #2: Back Signal	
Description	Back Signal
Details	
Save	Off
Data Rate	5 Hz
Signal #3: Test Plot	
Description	Test Plot
Details	
Save	Off
Data Rate	50 Hz
Signal #4: Test Plot	
Description	Test Plot
Details	
Save	Off
Data Rate	50 Hz
Run Time Events	
Run Time Events	
Run Time Events Time	0 min
Run Time Events Event	Detector H2 Fuel Flow
Run Time Events Position	0
Run Time Events Setpoint	Off
Run Time Events Time	2 min
Run Time Events Event	Detector H2 Fuel Flow
Run Time Events Position	0
Run Time Events Setpoint	On

Sequence Name: C:\MassHunter\GCMS\1\sequence\alkalival.sequence.xml
Comment: Base
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Data Path: C:\MassHunter\GCMS\1\data\BASES\092321\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	41	SOL	ALKALI	ETOAC
2)	Sample	42	001BLD	ALKALI	MATRIX BLANK 1 BLD
3)	Sample	43	002BLD	ALKALI	MATRIX BLANK 2 BLD
4)	Sample	44	003BLD	ALKALI	MATRIX BLANK 3 BLD
5)	Sample	45	004BLD	ALKALI	MATRIX BLANK 4 BLD
6)	Sample	46	005BLD	ALKALI	MATRIX BLANK 5 BLD
7)	Sample	47	006URN	ALKALI	MATRIX BLANK 6 URN
8)	Sample	48	007URN	ALKALI	MATRIX BLANK 7 URN
9)	Sample	49	008URN	ALKALI	MATRIX BLANK 8 URN
10)	Sample	50	SOL008	ALKALI	SOLVENT AFTER MATRIX 8
11)	Sample	51	009LVR	ALKALI	MATRIX BLANK 9 LVR
12)	Sample	52	SOL009	ALKALI	SOLVENT AFTER MATRIX 9
13)	Sample	53	010LVR	ALKALI	MATRIX BLANK 10 LVR
14)	Sample	54	SOL010	ALKALI	SOLVENT AFTER MATRIX 10

Vial Check
EL 9.24.21

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ALKALI.m
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	22.17
Solvent delay (min)	3.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
3.00	40	550	150	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter

Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	40	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning

INSTRUMENT CONTROL PARAMETERS: #3 - Enhanced

C:\MassHunter\GCMS\1\methods\ALKALI.m
Thu Sep 23 12:02:25 2021

Control Information

Sample Inlet	: GC
Injection Source	: GC ALS
Injection Location:	Front
Mass Spectrometer	: Enabled

No Sample Prep method has been assigned to this method.

GC

GC Summary	
Run Time	22.167 min
Post Run Time	0 min
Oven	
Temperature	
Setpoint	On
(Initial)	90 °C
Hold Time	2 min
Post Run	0 °C
Program	
#1 Rate	15 °C/min
#1 Value	245 °C
#1 Hold Time	0 min
#2 Rate	30 °C/min
#2 Value	300 °C
#2 Hold Time	8 min
Equilibration Time	0.5 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	4
Solvent A Washes (PostInj)	4
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	4
Solvent B Washes (PostInj)	4
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	2
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min

Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Tower Fan	On
Solvent Wash Mode	A-A2,B-B2
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Pulsed Splitless
Heater	On 260 °C
Pressure	On 15.177 psi
Total Flow	On 46.869 mL/min
Septum Purge Flow	On 3 mL/min
Septum Purge Flow Mode	Standard
Gas Saver	On 20 After 2 min mL/min
Injection Pulse Pressure	40 psi Until 0.3 min
Purge Flow to Split Vent	42.4 mL/min at 0.5 min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	1.4687 mL/min
Hold Time	1 min
Post Run	1.2 mL/min
Program	
#1 Rate	0.2 mL/min per min
#1 Value	3 mL/min
#1 Hold Time	0 min
Column Information	Restek 10123
Rtx-1 SN 1652464	
Temperature Range	-60 °C–350 °C (350 °C)
Dimensions	30 m x 250 µm x 0.25 µm
In	Front SS Inlet He
Out	MSD
(Initial)	90 °C
Pressure	15.177 psi
Flow	1.4687 mL/min
Average Velocity	45 cm/sec
Holdup Time	1.1111 min
Control Mode	Ramped Flow
Column Outlet Pressure	0 psi
Front Detector NPD	
	Excluded from Affecting GC's Readiness State
Makeup	He
Heater	Off
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off

Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Bead	Off
Maximum Bead Voltage	4.095 V
Blos Bead	No
Dry Bead	Yes
Auto Adjust Bead	No

Signals
Signal #1:
Description None

Signal #2:
Description None

Signal #3:
Description None

Signal #4:
Description None

TUNE PARAMETERS for SN: US71236345

Trace Ion Detection is OFF.

34.610	:	EMISSION
70.347	:	ENERGY
28.568	:	REPELLER
90.157	:	IONFOCUS
28.500	:	ENTRANCE_LENS
1870.588	:	EMVOLTS
		1870.588 : Actual EMV
		0.78 : GAIN FACTOR
2280.000	:	AMUGAIN
120.063	:	AMUOFFSET
1.000	:	FILAMENT
0.000	:	DCPOLARITY
19.576	:	ENTLENSOFFSET
-532.000	:	MASSGAIN
-36.000	:	MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

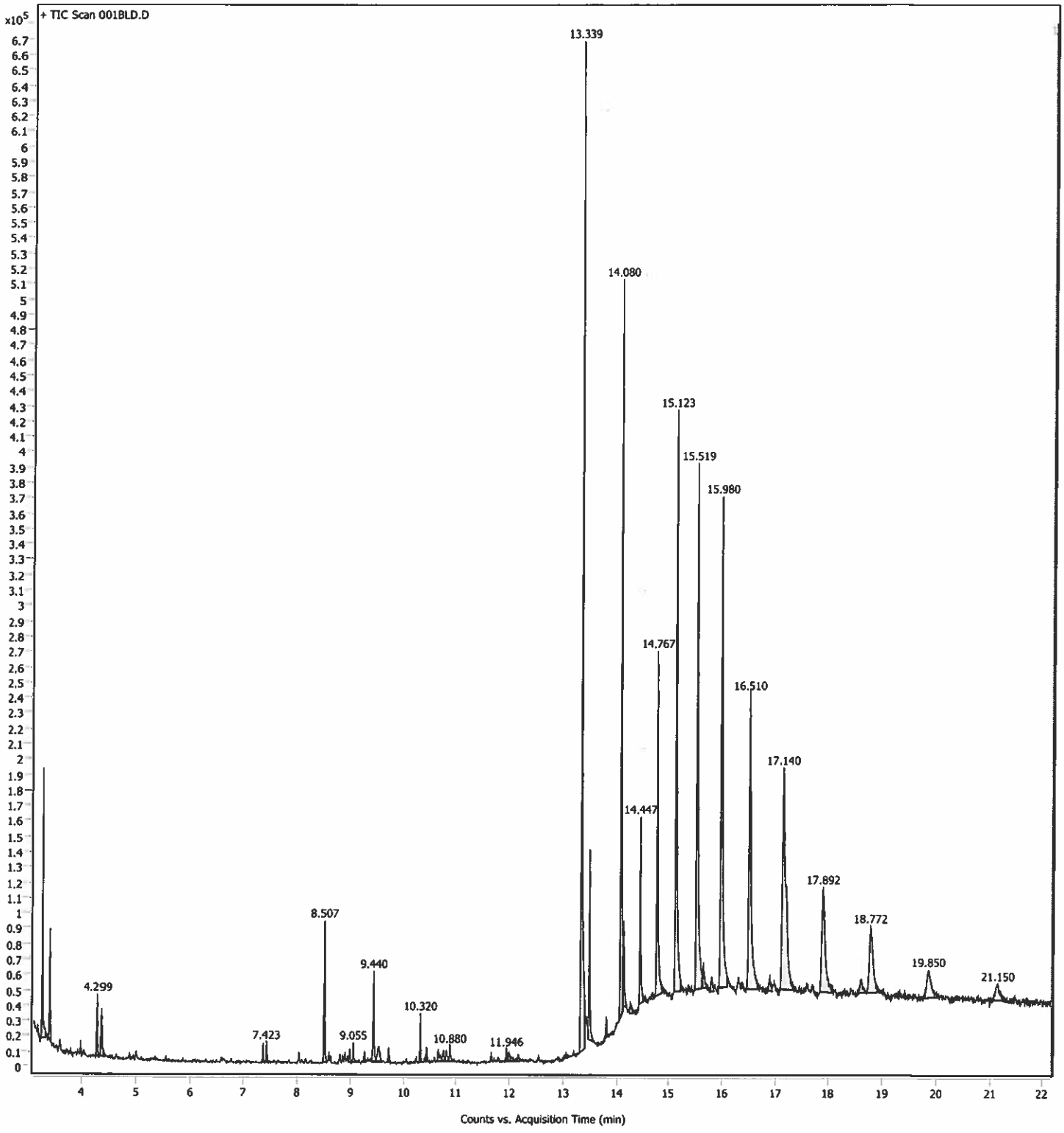
Analysis Report

Agilent

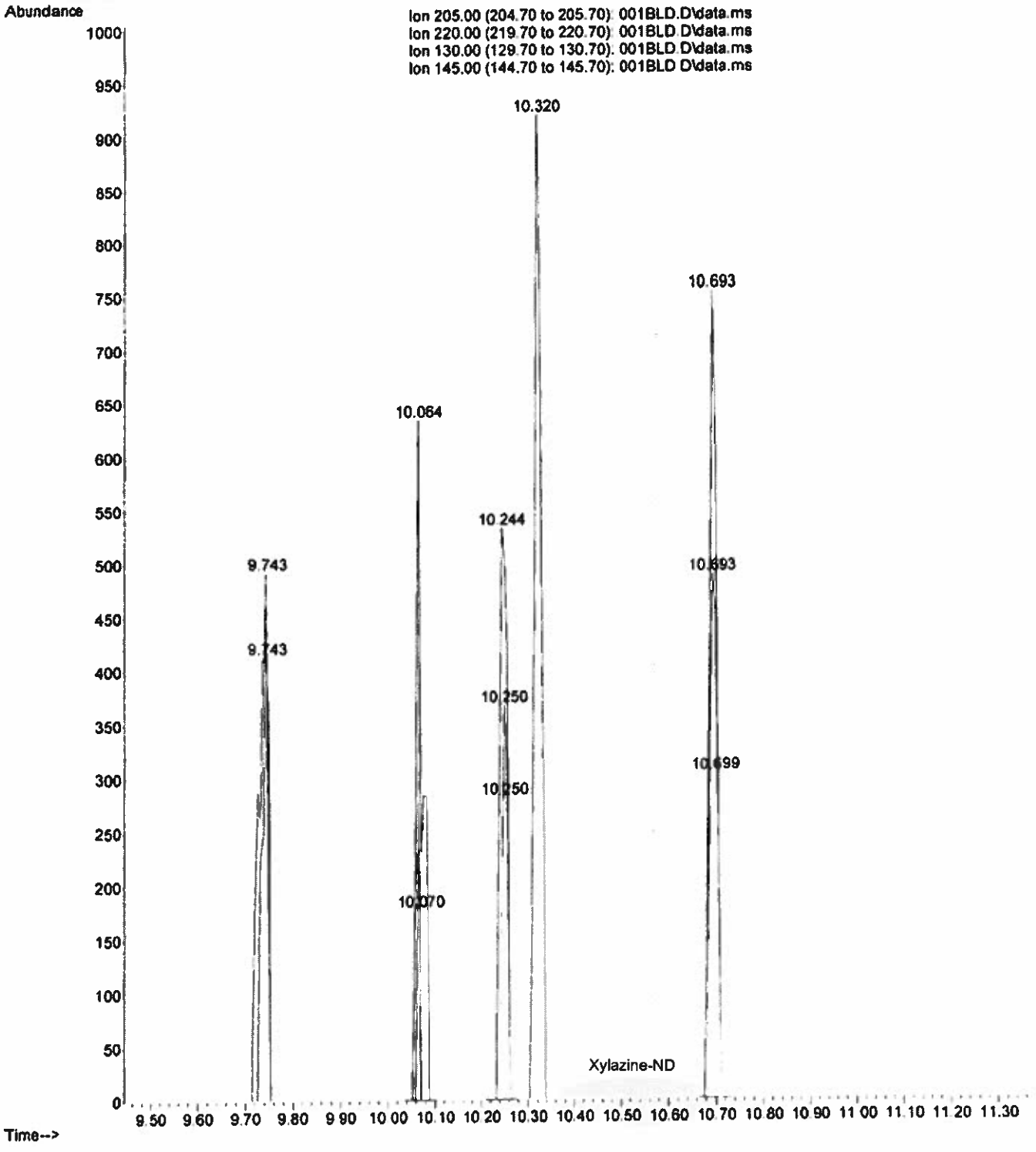
Sample Information

Sample Name	MATRIX BLANK 1 BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092321\001BLD.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/23/2021 12:34:24 PM (UTC-04:00)
Position	42	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

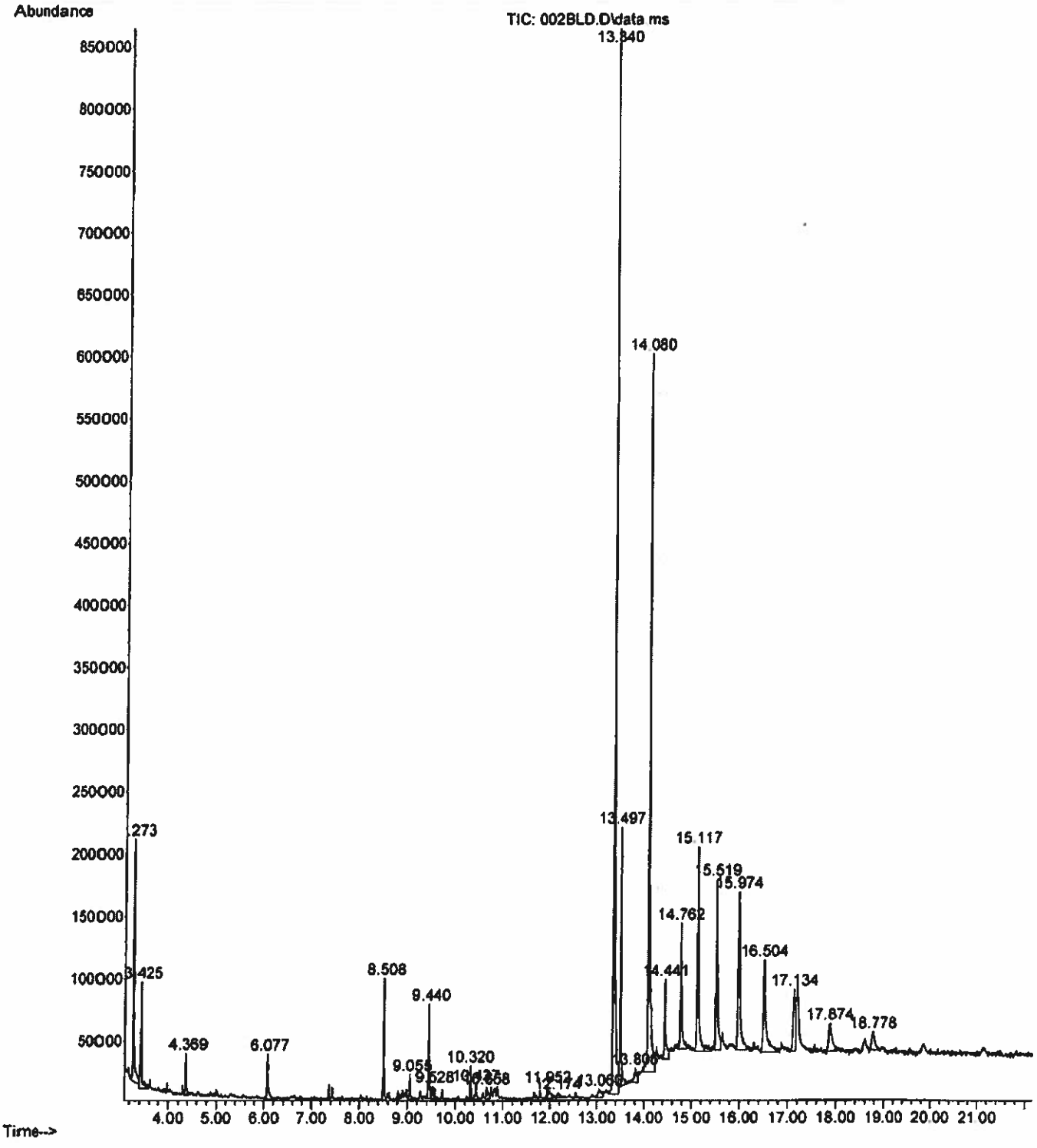
Sample Chromatograms



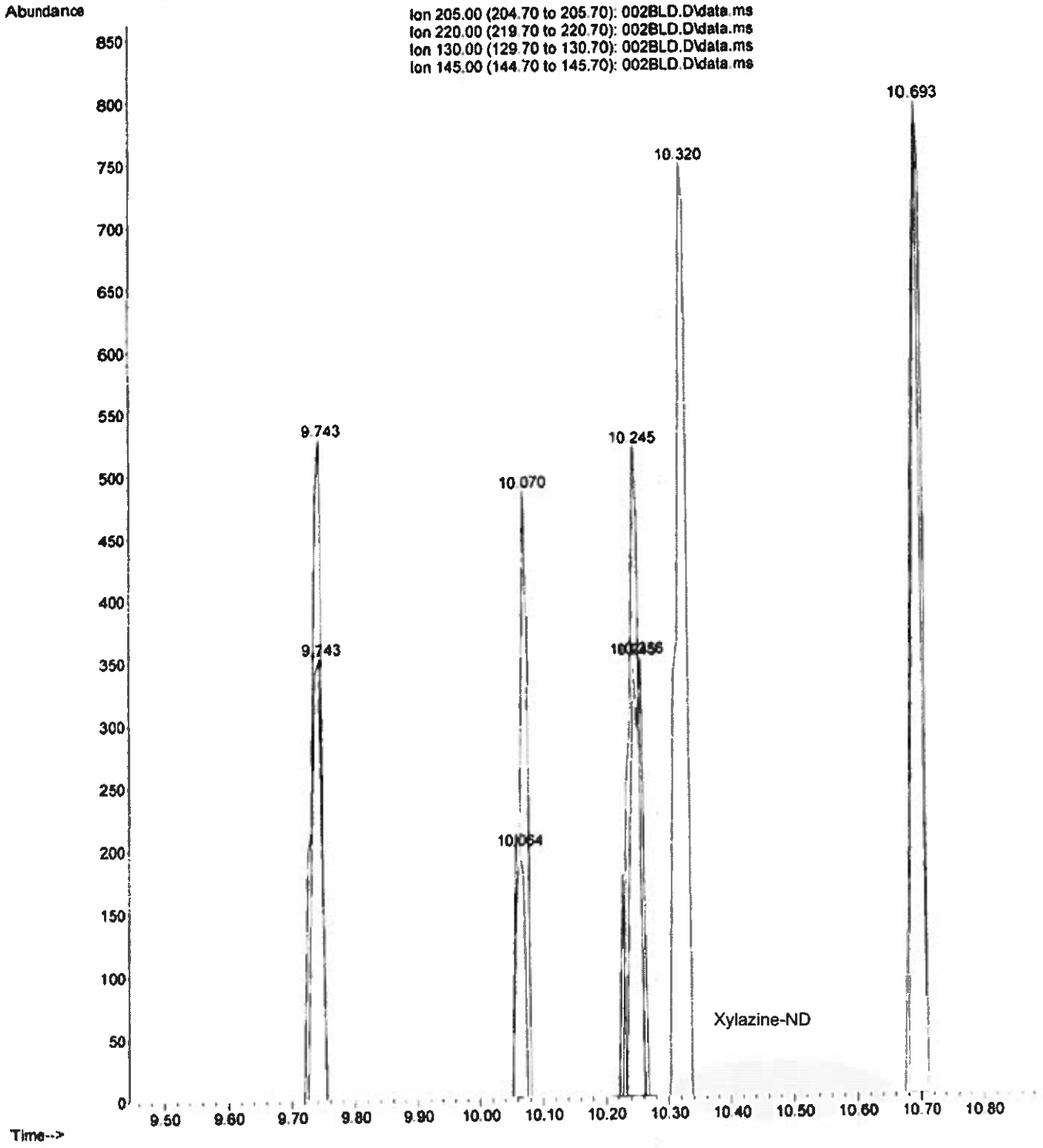
File :C:\Users\TOX\Desktop\092321\001BLD.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 12:34 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 1 BLD
Misc Info : BB0321-1
Vial Number: 42



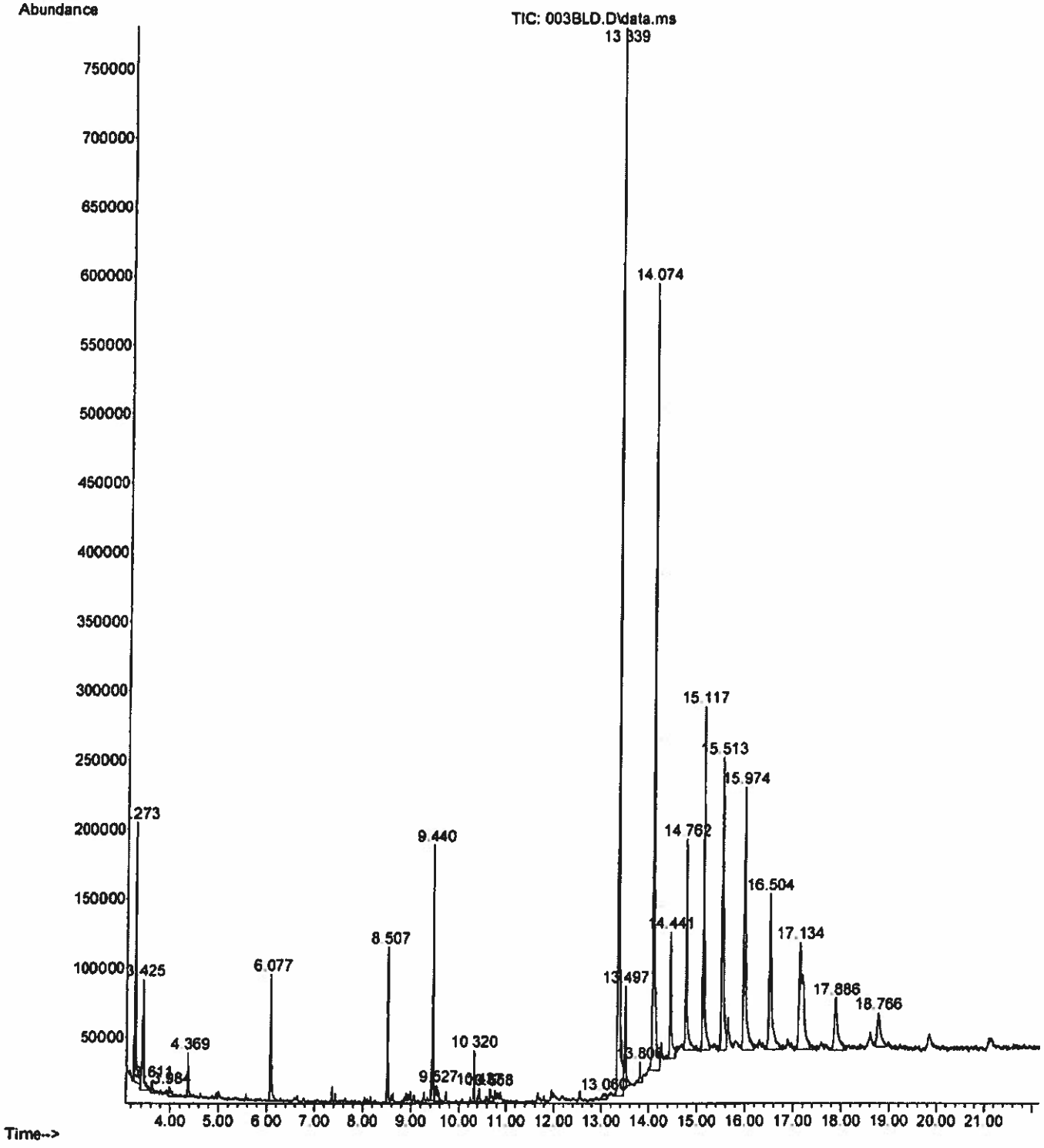
File :C:\Users\TOX\Desktop\092321\002BLD.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 13:00 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 2 BLD
Misc Info : BB0721-1
Vial Number: 43



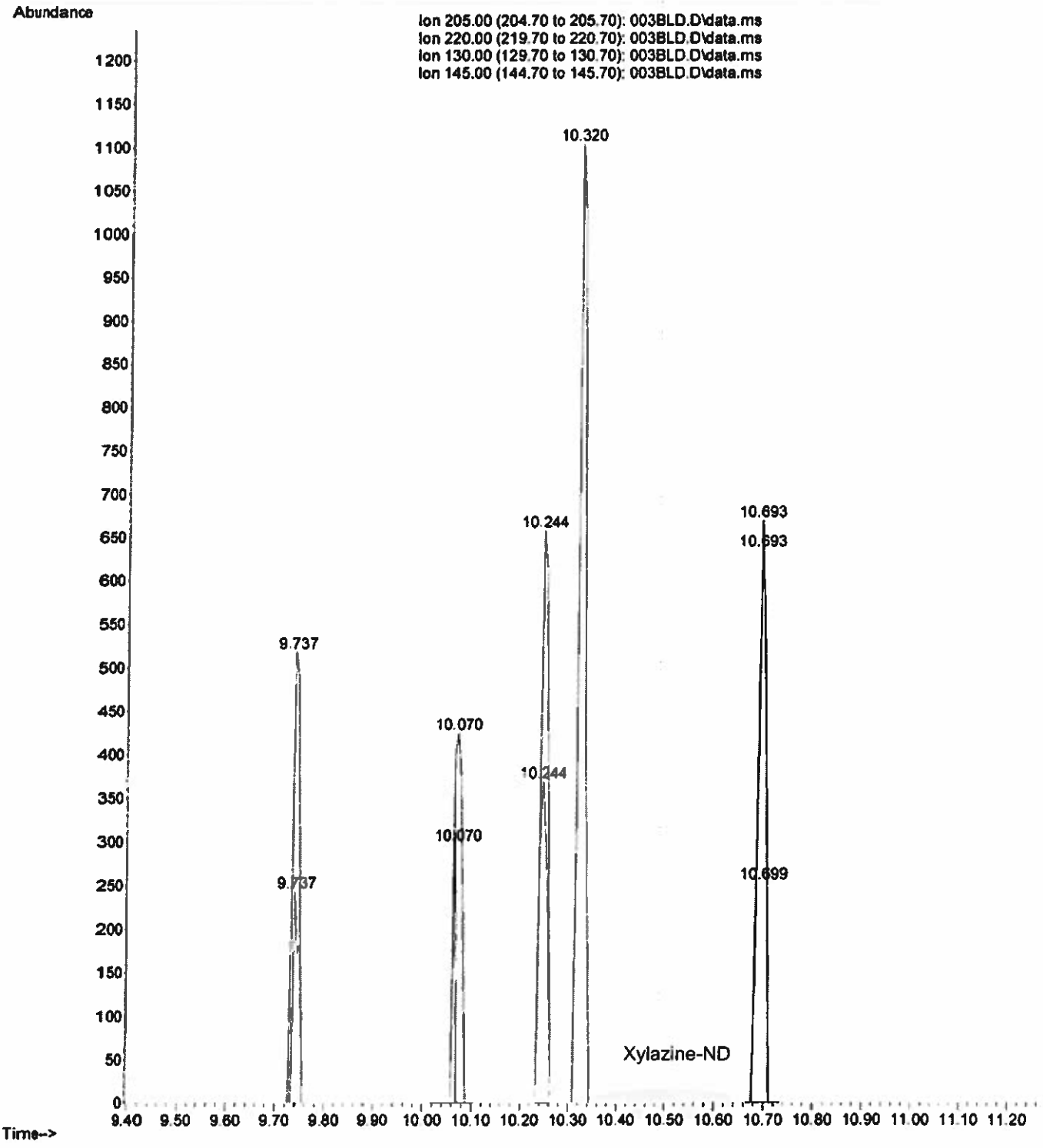
File :C:\Users\TOX\Desktop\092321\002BLD.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 13:00 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 2 BLD
Misc Info : BB0721-1
Vial Number: 43



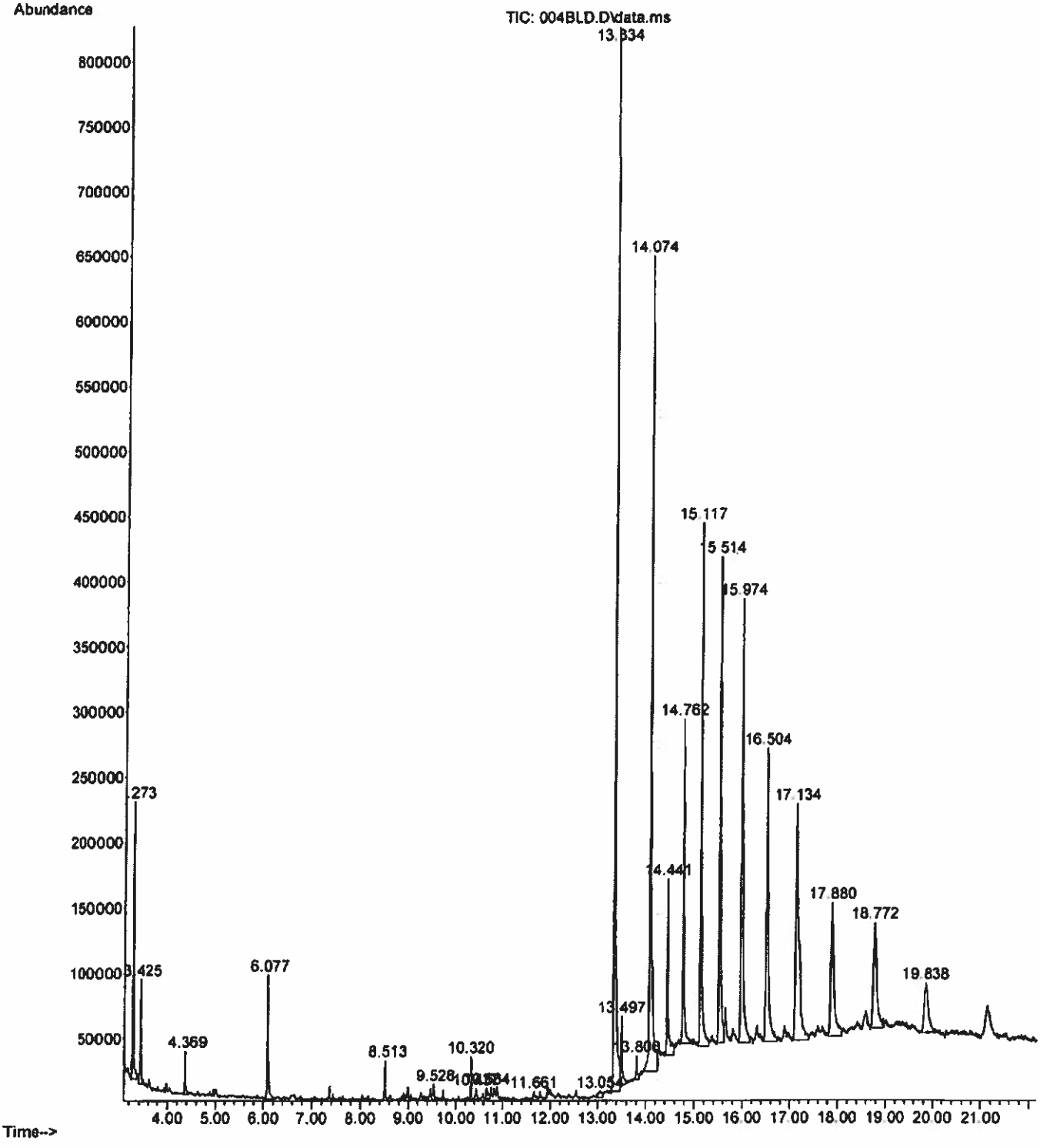
File :C:\Users\TOX\Desktop\092321\003BLD.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 13:26 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 3 BLD
Misc Info : B80121-1
Vial Number: 44



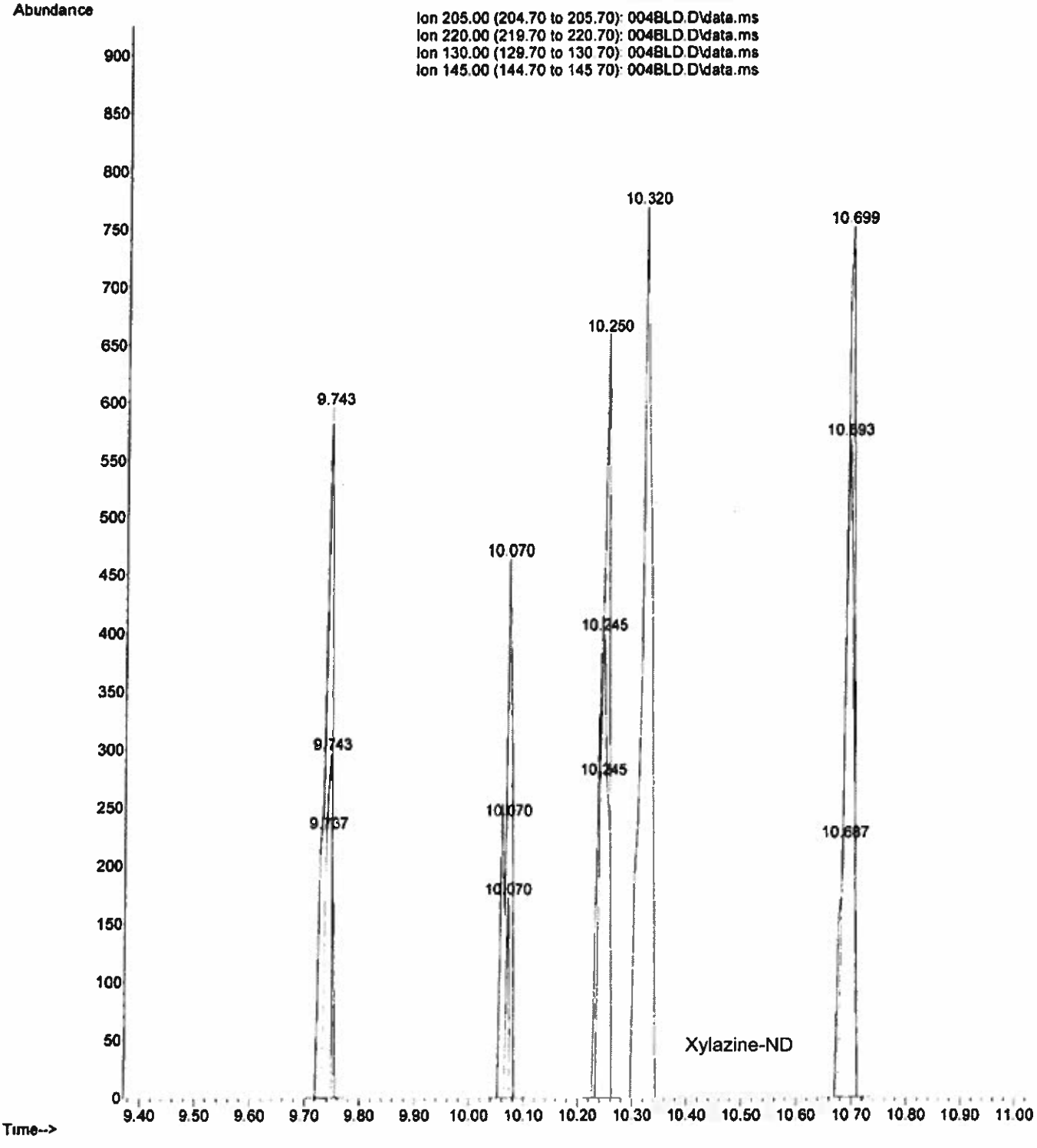
File :C:\Users\TOX\Desktop\092321\003BLD.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 13:26 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 3 BLD
Misc Info : BB0121-1
Vial Number: 44



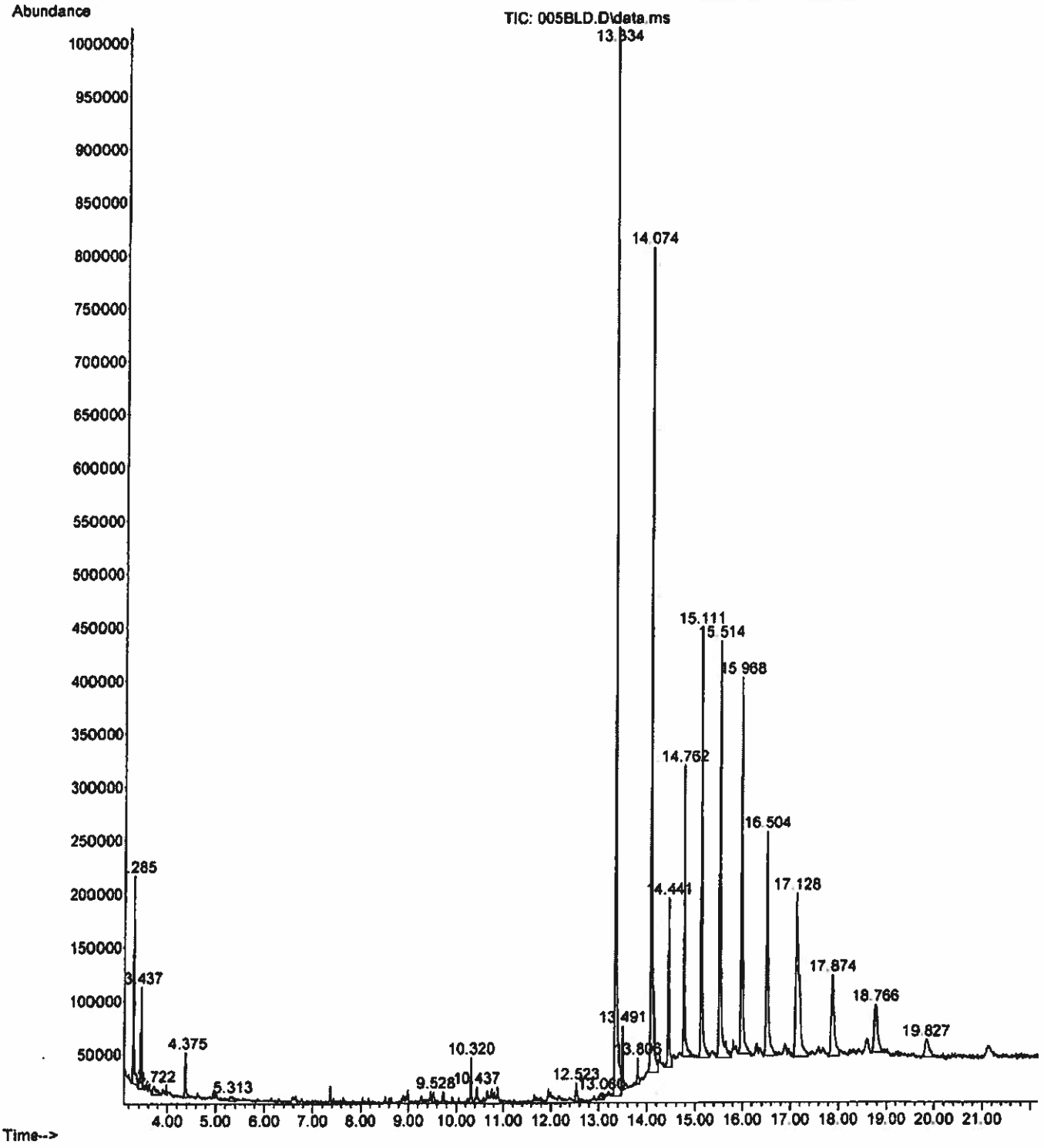
File :C:\Users\TOX\Desktop\092321\004BLD.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 13:51 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 4 BLD
Misc Info : BB0121-2
Vial Number: 45



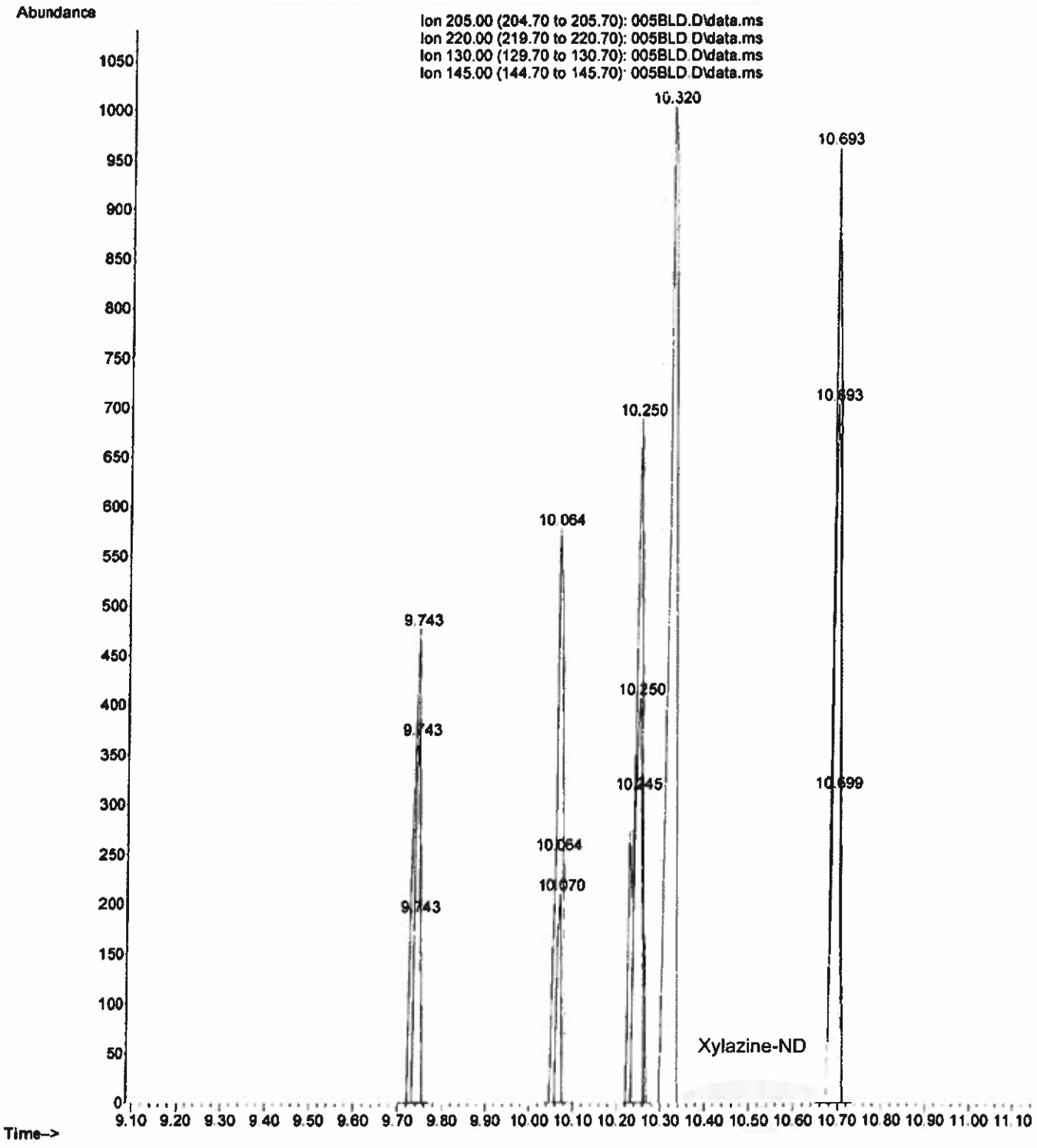
File :C:\Users\TOX\Desktop\092321\004BLD.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 13:51 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 4 BLD
Misc Info : BB0121-2
Vial Number: 45



File :C:\Users\TOX\Desktop\092321\005BLD.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 14:17 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 5 BLD
Misc Info : BB0519-3
Vial Number: 46



File :C:\Users\TOX\Desktop\092321\005BLD.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 14:17 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 5 BLD
Misc Info : BB0519-3
Vial Number: 46



Analysis Report

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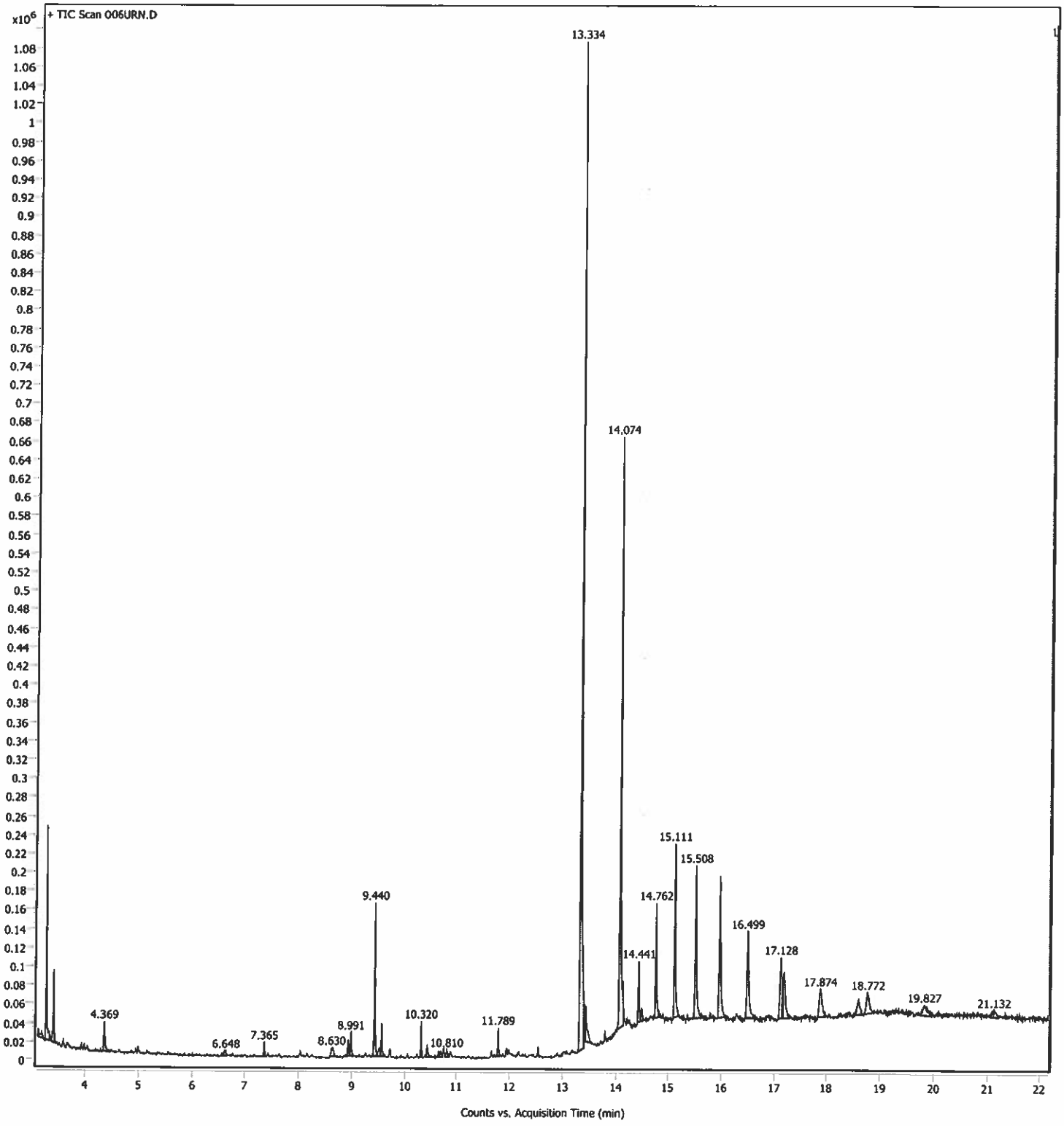
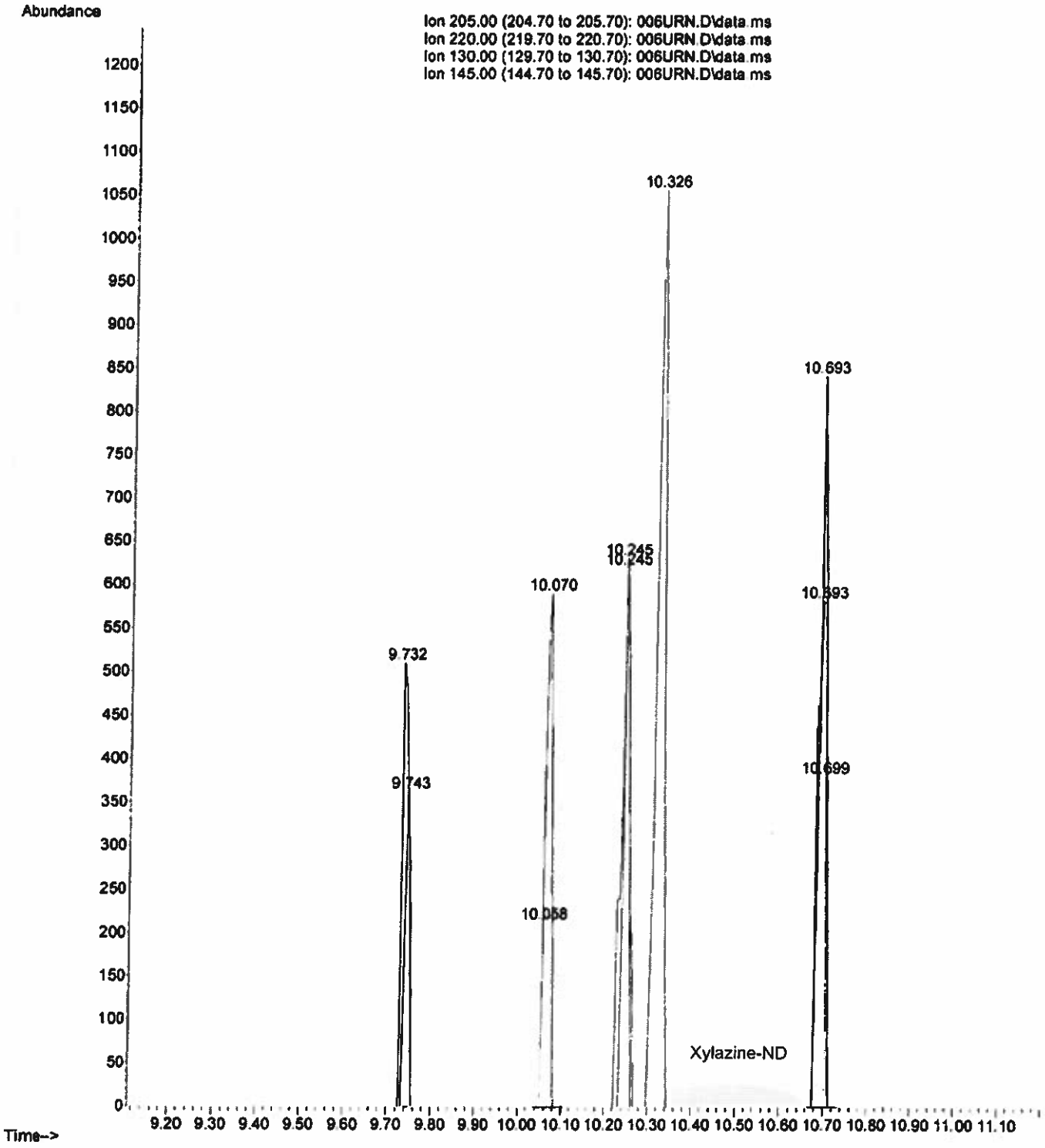
Sample Information

Sample Name	MATRIX BLANK 6 URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092321\006URN.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/23/2021 2:43:31 PM (UTC-04:00)
Position	47	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

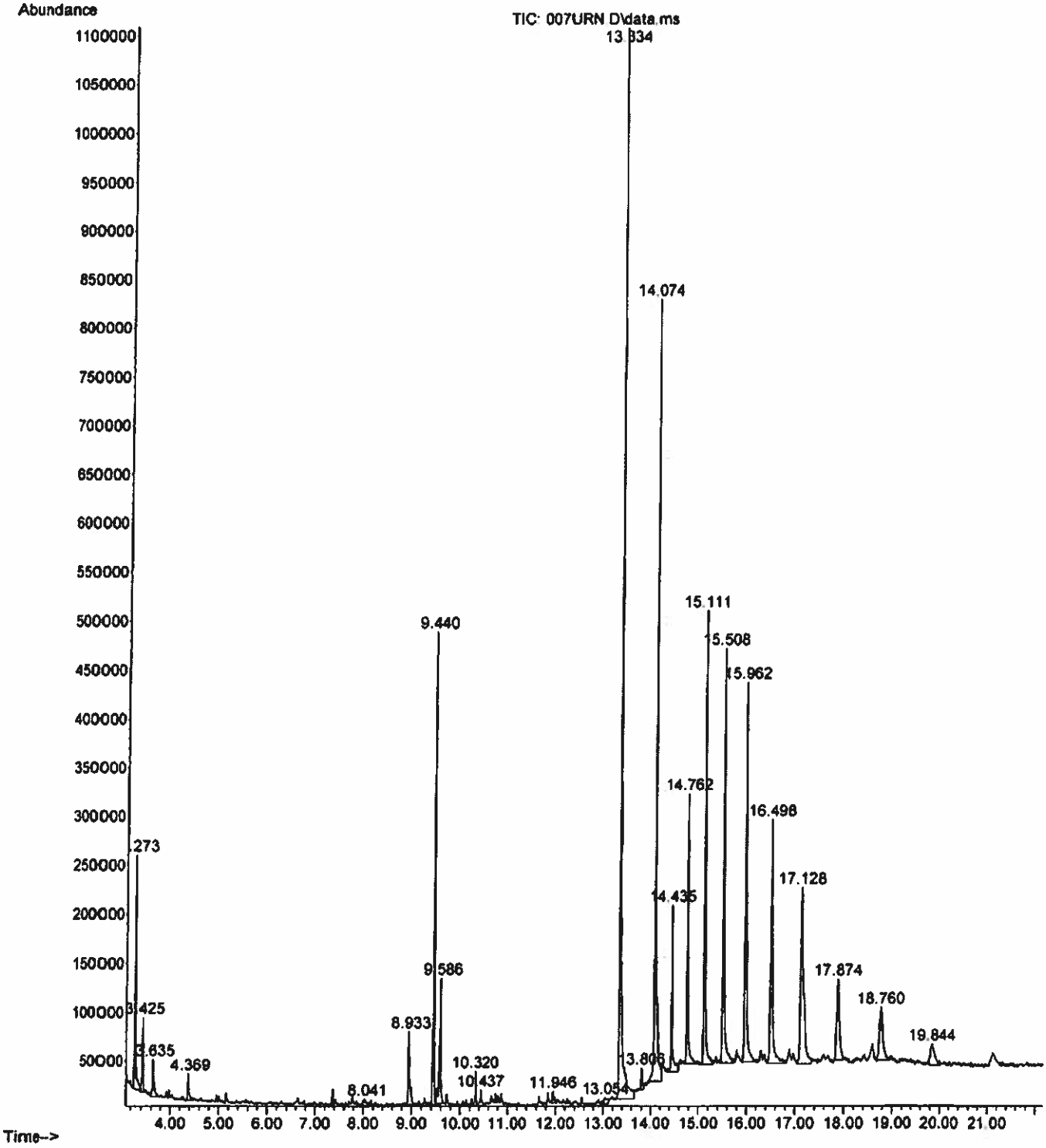
Sample Chromatograms



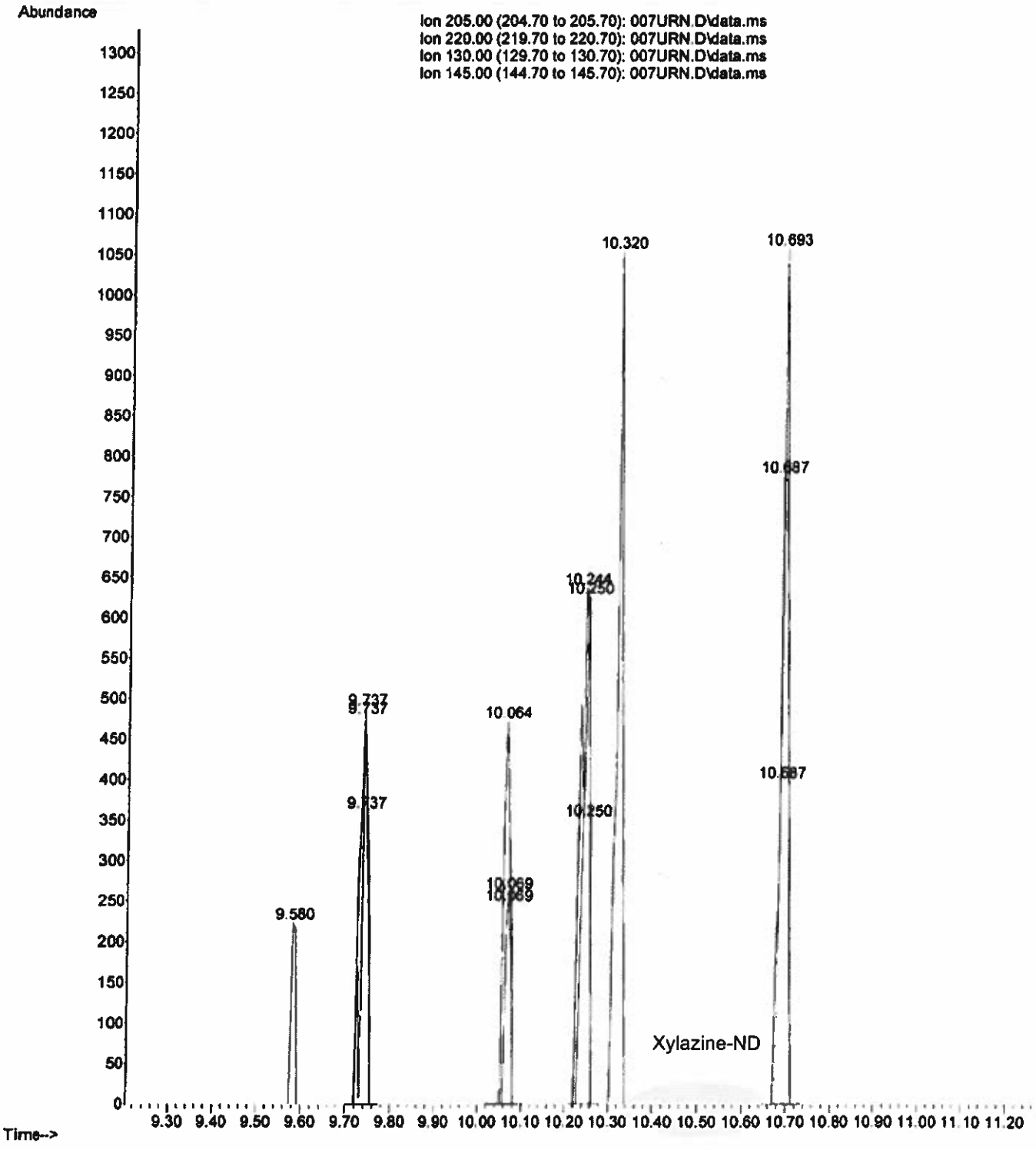
File :C:\Users\TOX\Desktop\092321\006URN.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 14:43 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 6 URN
Misc Info : BUR101017
Vial Number: 47



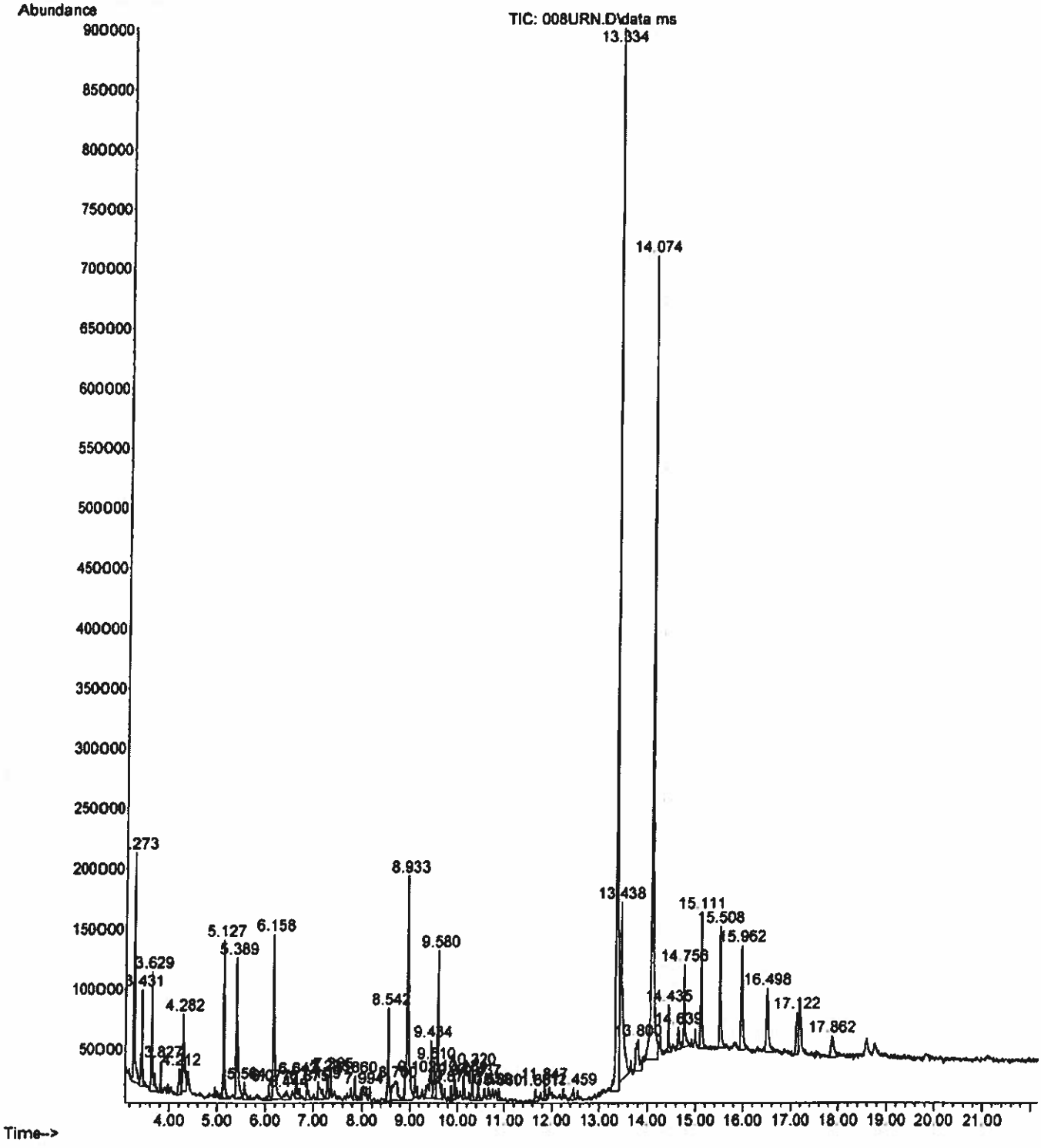
File :C:\Users\TOX\Desktop\092321\007URN.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 15:09 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 7 URN
Misc Info : BU06017
Vial Number: 48



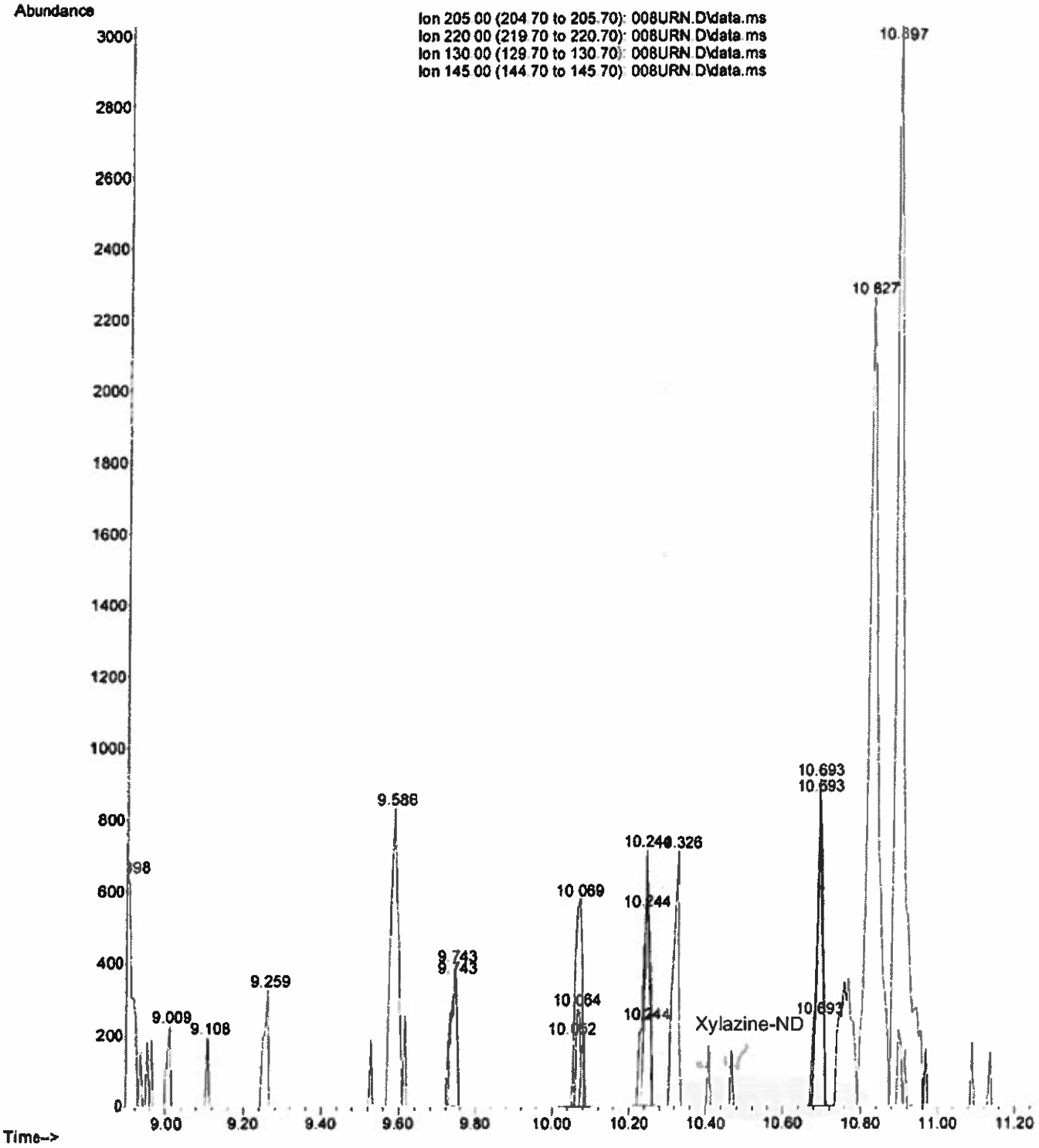
File :C:\Users\TOX\Desktop\092321\007URN.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 15:09 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 7 URN
Misc Info : BU06017
Vial Number: 48



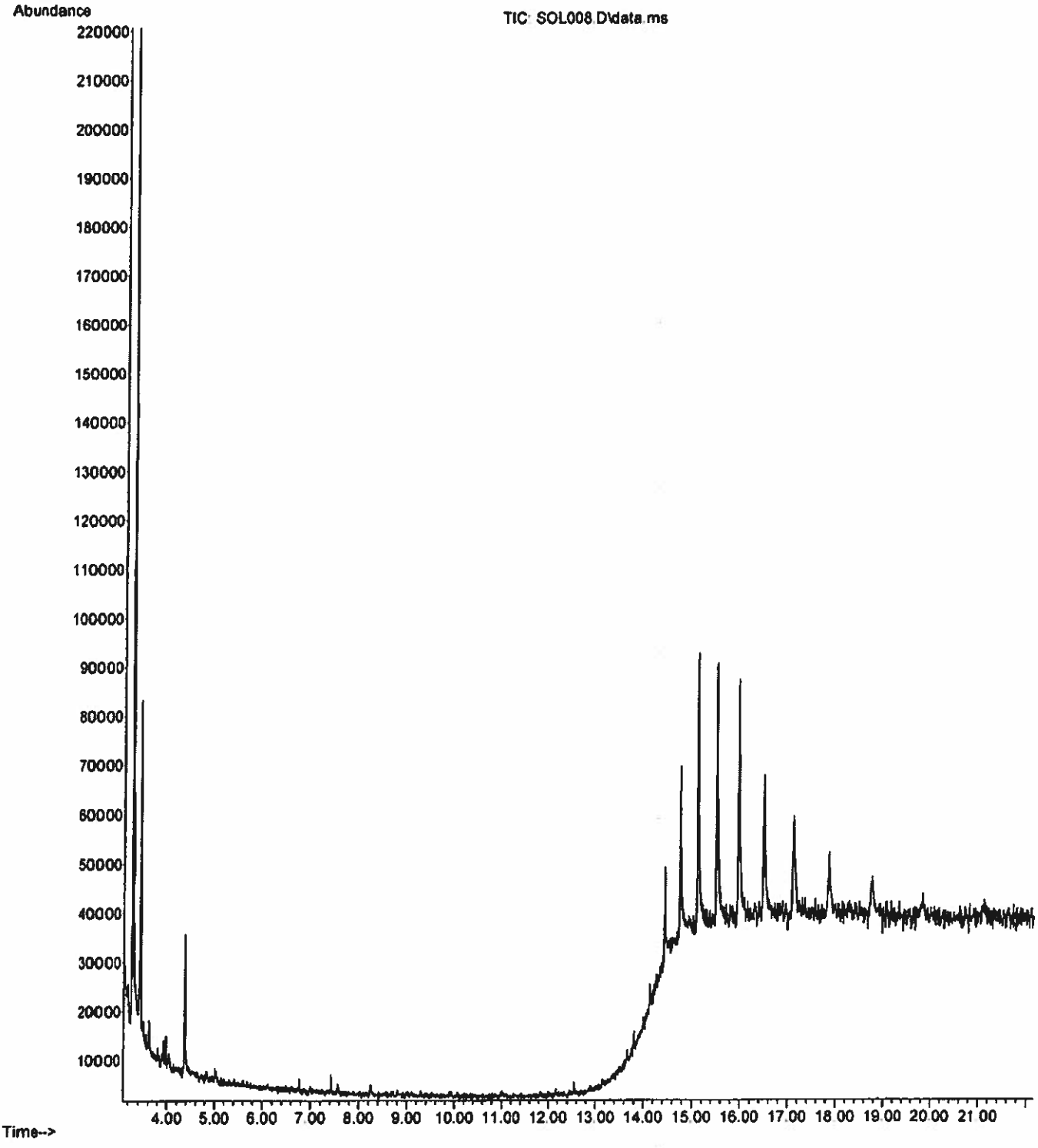
File :C:\Users\TOX\Desktop\092321\008URN.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 15:35 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 8 URN
Misc Info : BUR0819
Vial Number: 49



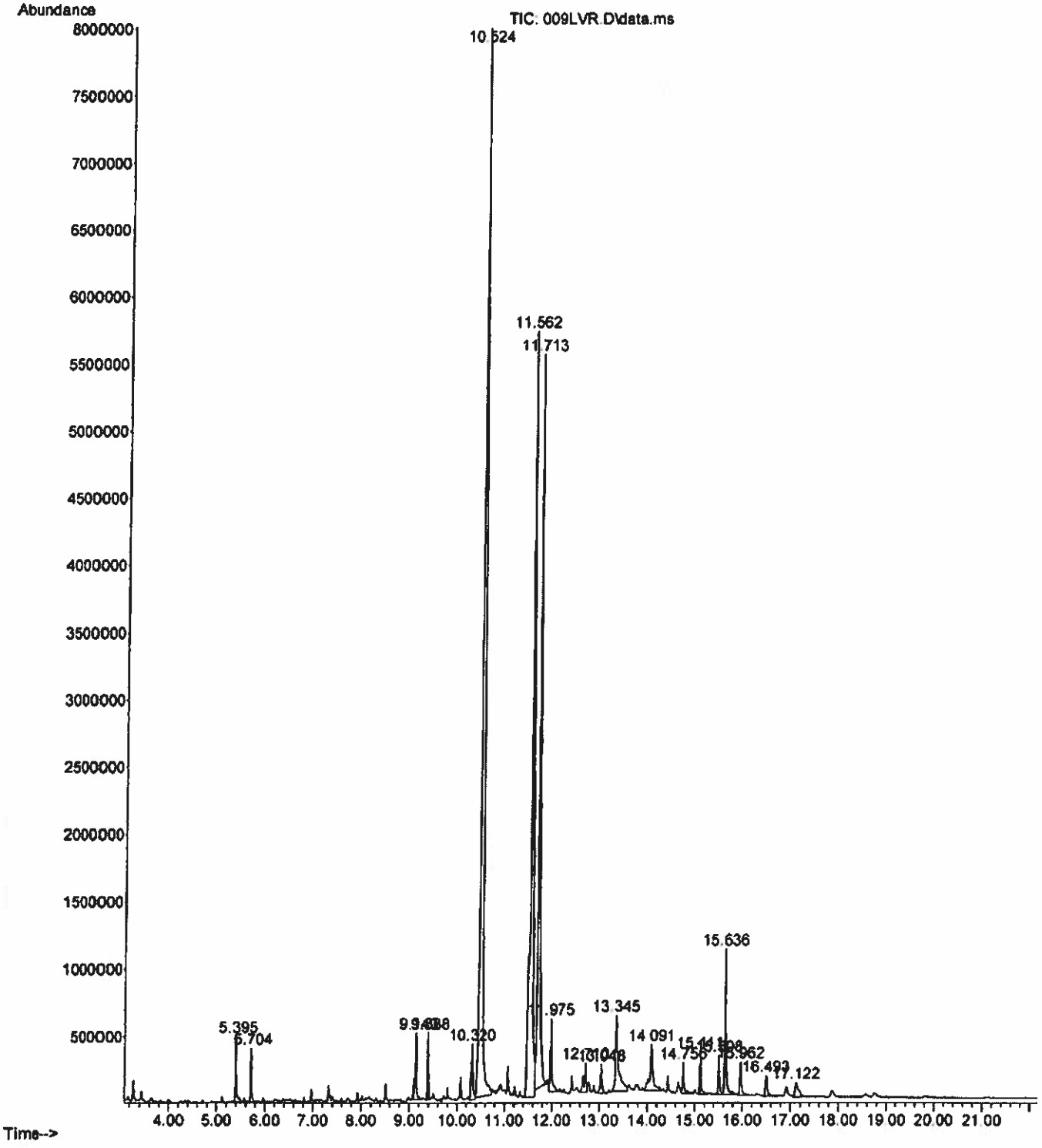
File :C:\Users\TOX\Desktop\092321\008URN.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 15:35 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 8 URN
Misc Info : BUR0819
Vial Number: 49



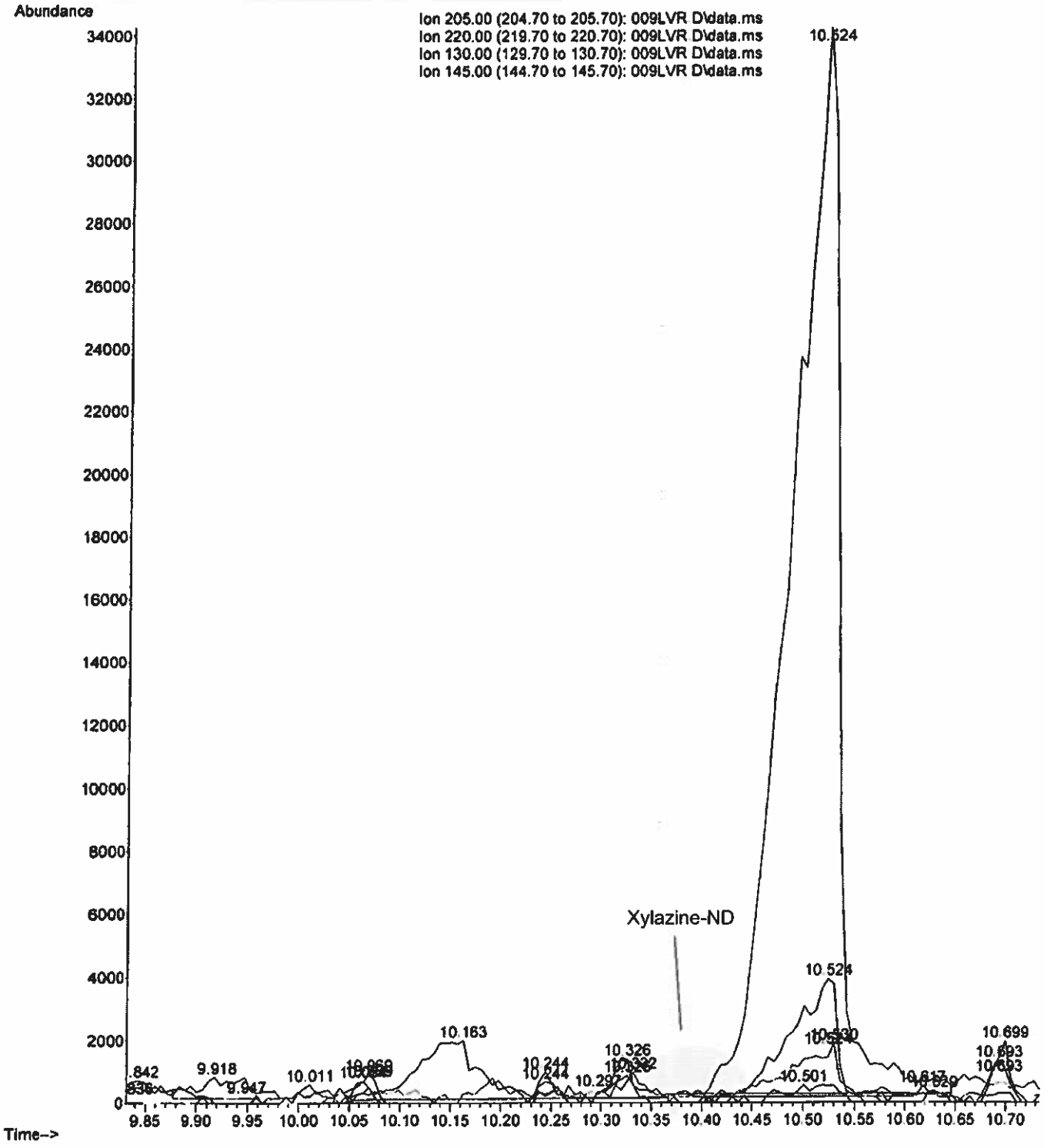
File :C:\Users\TOX\Desktop\092321\SOL008.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 16:01 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: SOLVENT AFTER MATRIX 8
Misc Info :
Vial Number: 50



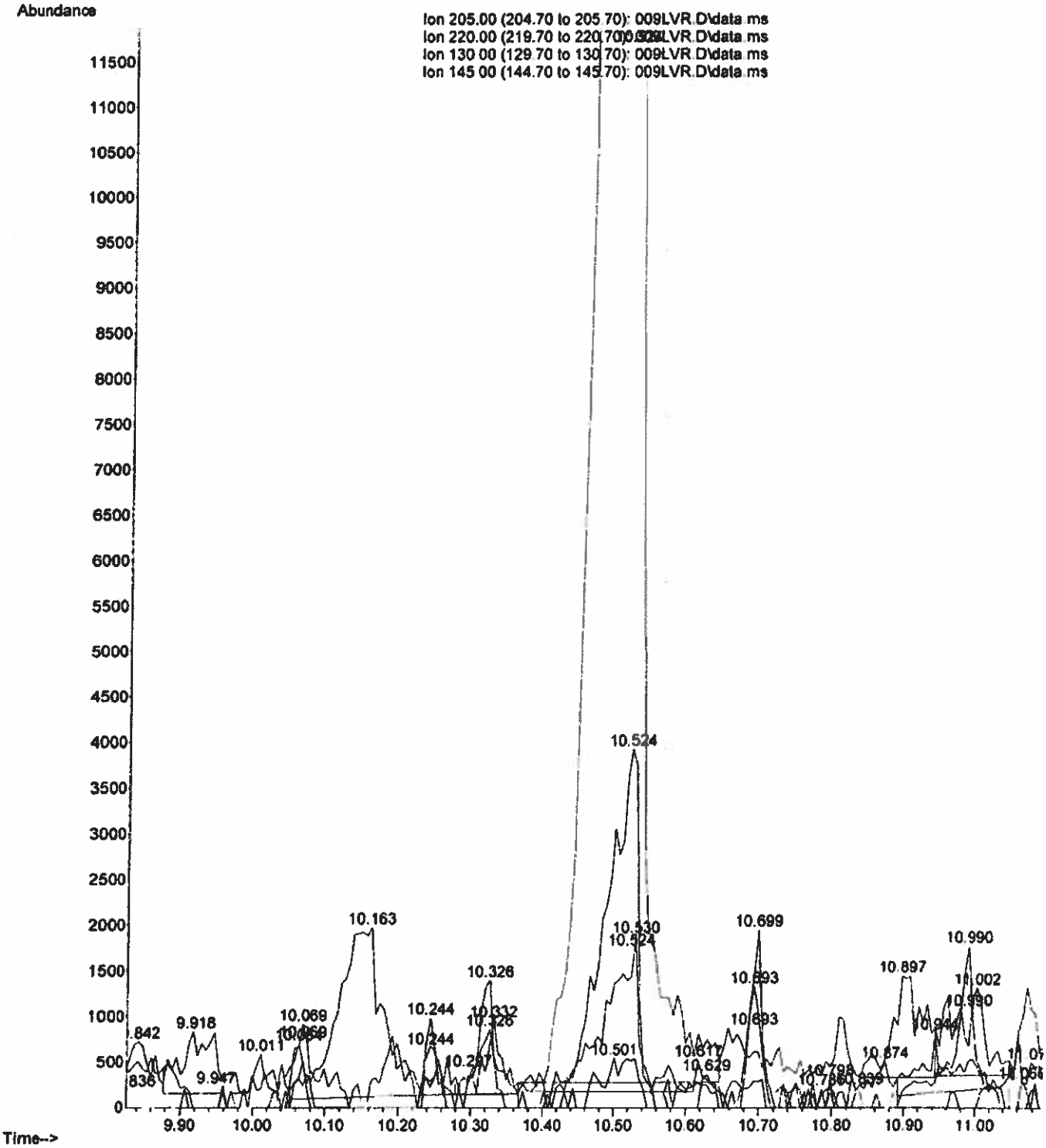
File :C:\Users\TOX\Desktop\092321\009LVR.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 16:26 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 9 LVR
Misc Info : LIV0109
Vial Number: 51



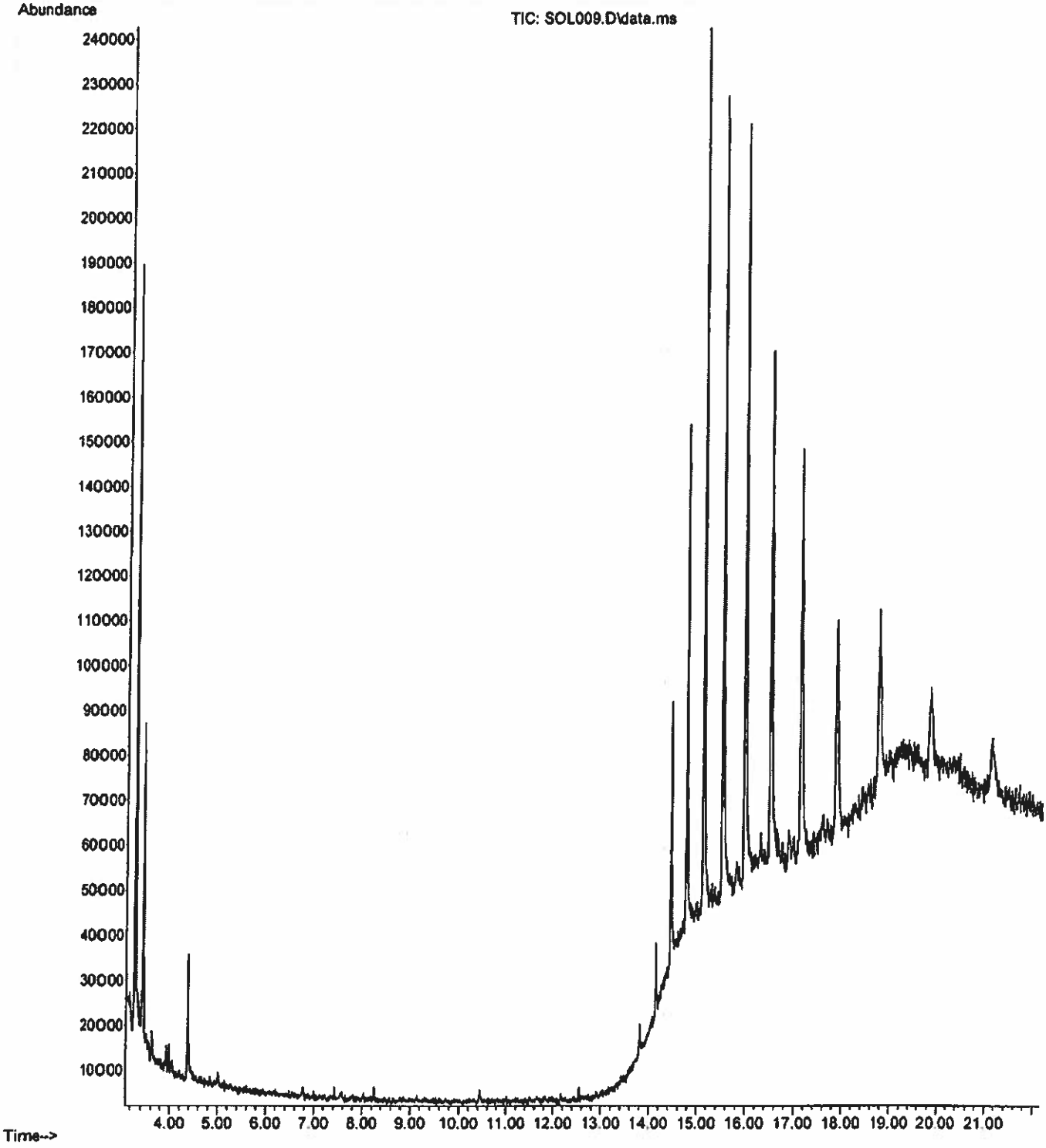
File :C:\Users\TOX\Desktop\092321\009LVR.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 16:26 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 9 LVR
Misc Info : LIV0109
Vial Number: 51



File :C:\Users\TOX\Desktop\092321\009LVR.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 16:26 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 9 LVR
Misc Info : LIV0109
Vial Number: 51



File :C:\Users\TOX\Desktop\092321\SOL009.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 16:52 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: SOLVENT AFTER MATRIX 9
Misc Info :
Vial Number: 52



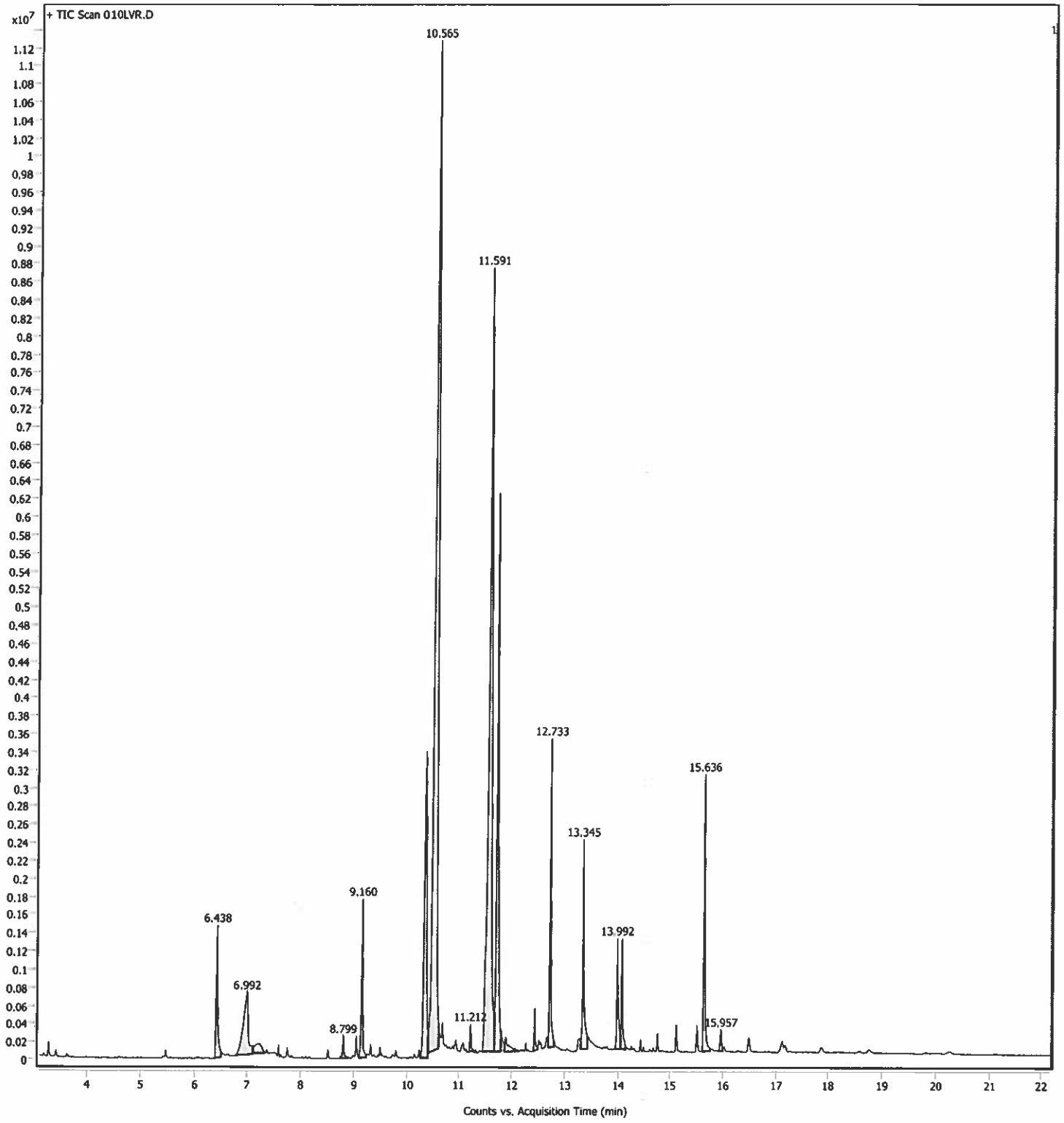
Analysis Report

Agilent

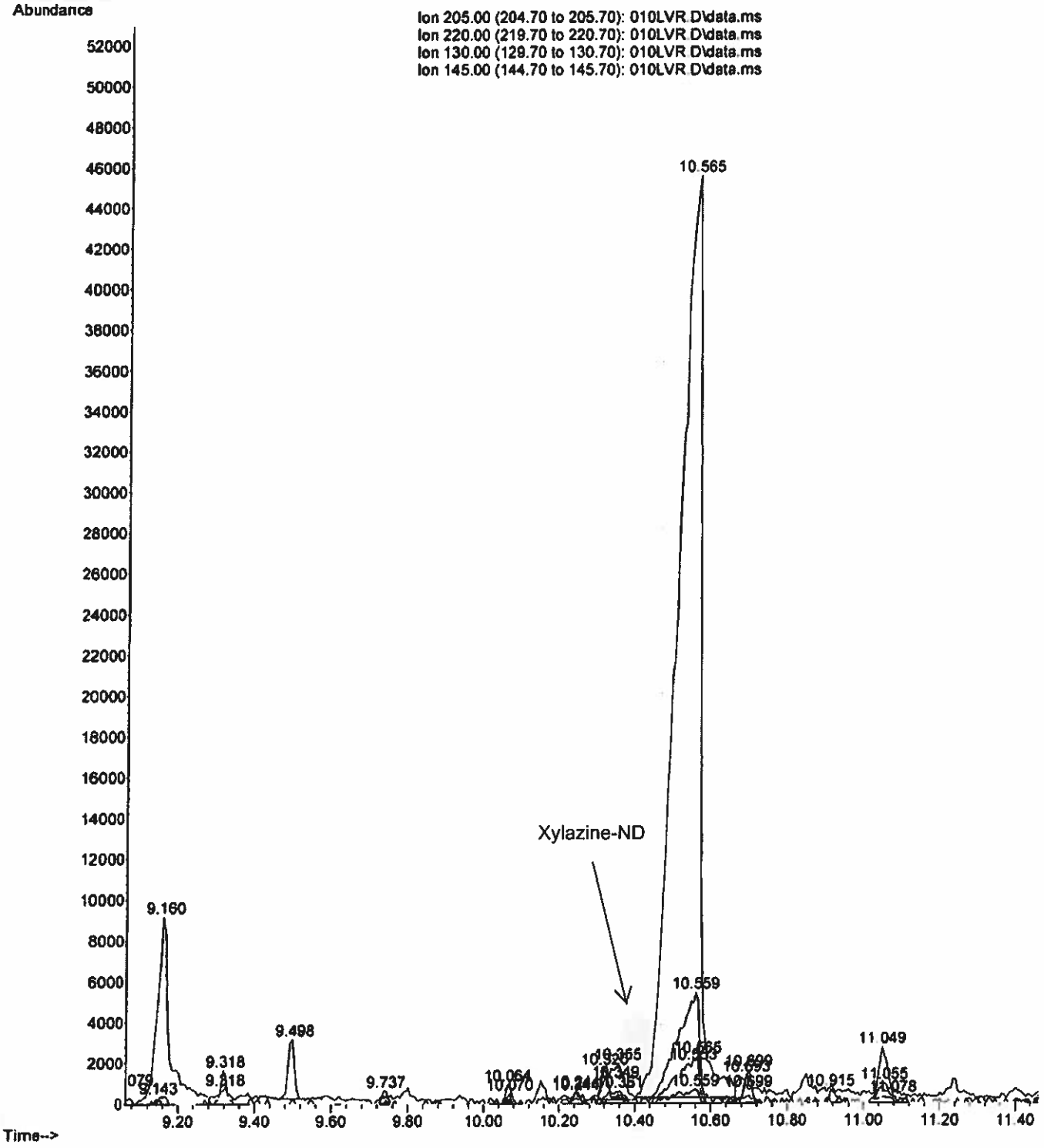
Sample Information

Sample Name	MATRIX BLANK 10 LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092321\010LVR.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/23/2021 5:18:30 PM (UTC-04:00)
Position	53	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



File :C:\Users\TOX\Desktop\092321\010LVR.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 23 Sep 2021 17:18 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK 10 LVR
Misc Info : LIV09231
Vial Number: 53



ASSAY: Base Screen **QC Data File:** Xylazine Validation

Analyst(s): K.Meinweiser

	Sample / FS #	Item #	Sample Info
1	MATRIX 2 W/O ISTD	BLD	2.0 mg/L - 400uL of 0.01 mg/mL stock
2	MATRIX 1 W/O ISTD	BLD	
3	MATRIX 6 W/O ISTD	URN	
4	MATRIX 10 W/O ISTD	LVR	*satisfies 2.8.1.1.2
5	MATRIX 2 W/ ISTD ONLY	BLD	
6	MATRIX 1 W/ ISTD ONLY	BLD	
7	MATRIX 6 W/ ISTD ONLY	URN	
8	MATRIX 10 W/ ISTD ONLY	LVR	*satisfies 2.8.1.1.3
9	MATRIX 2 W ISTD	BLD	0.010 mg/L - 20uL of 0.001 mg/mL stock
10	MATRIX 1 W ISTD	BLD	
11	MATRIX 6 W ISTD	URN	
12	MATRIX 10 W ISTD	LVR	
13	MATRIX 2 W ISTD	BLD	0.10 mg/L - 20uL of 0.01 mg/mL stock
14	MATRIX 1 W ISTD	BLD	
15	MATRIX 6 W ISTD	URN	
16	MATRIX 10 W ISTD	LVR	
17	MATRIX 2 W ISTD	BLD	2.0 mg/L - 400uL of 0.01 mg/mL stock
18	MATRIX 1 W ISTD	BLD	
19	MATRIX 6 W ISTD	URN	
20	MATRIX 10 W ISTD	LVR	
21	MATRIX 2 LOD	BLD	0.005 mg/L - 10uL of 0.001 mg/mL stock
22	MATRIX 1 LOD	BLD	
23	MATRIX 6 LOD	URN	
24	MATRIX 10 LOD	LVR	*satisfies 2.8.1.1.6
25			

MATRIX LM 9.28.21

	Sample / FS #	Item #	Sample Info
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			

Specimens removed from TX ADM storage, aliquots removed for analysis, specimens returned to TX ADM storage by, unless otherwise noted:

Extraction: LL / (SPE) **SPE lot #:** 024170-XD

Control Charts Updated (Initials/Date): N/A

Analyst: Amy Jarrago

Reviewer / Date:

Date: 9.28.2021

Time Removed: N/A **Time Returned:** N/A

Toxicology Batch Lot Summary Sheet

Analysis:	Base Quant/Screen	
QC Data File:	Xylazine Validation	
Material	**Lot Number**	**Expiration Date**
ISTD	ISTD-210510	5-10-22
Xylazine Cal	C-XYLA-20210922	6-10-23
Phosphate Buffer	9-21-21	9-21-23
Acetic Acid	8-31-21	8-31-23
Methanol	DZ846-US	3-10-22
Hexane	0000269 ~~18Z1542~~	9.3.24 ~~9-5-21~~ *
THIA	095 7.9.21	7.9.23
DiH_2O	In-House	N/A
Methylene Chloride/IPA/NH_4OH	9-28-21	9-29-21
		* OK UNTIL QC FAILS
Matrix 1	BB0321-1	
Matrix 2	BB0721-1	
Matrix 6	BUR101017	
Matrix 6	LVR09231	

vials loaded by AJ

Sequence Table (Front Injector):

Line	Location	SampleName	Method Name	Num Inj	SampleType
1	Vial 1	ETOAC	ALKALI	1	Sample
2	Vial 2	MATRIX 1 0.10 mg/L - BLD	ALKALI	1	Sample
3	Vial 3	MATRIX 2 0.10 mg/L - BLD	ALKALI	1	Sample
4	Vial 4	MATRIX 6 0.10 mg/L - URN	ALKALI	1	Sample
5	Vial 5	MATRIX BLANK after 0.1 mg/L	ALKALI	1	Sample
6	Vial 6	MATRIX 1 0.50 mg/L - BLD	ALKALI	1	Sample
7	Vial 7	MATRIX 2 0.50 mg/L - BLD	ALKALI	1	Sample
8	Vial 8	MATRIX 6 0.50 mg/L - URN	ALKALI	1	Sample
9	Vial 9	MATRIX BLANK after 0.5 mg/L	ALKALI	1	Sample
10	Vial 10	MATRIX 1 1.0 mg/L - BLD	ALKALI	1	Sample
11	Vial 11	MATRIX 2 1.0 mg/L - BLD	ALKALI	1	Sample
12	Vial 12	MATRIX 6 1.0 mg/L - URN	ALKALI	1	Sample
13	Vial 13	MATRIX BLANK after 1.0 mg/L	ALKALI	1	Sample
14	Vial 14	MATRIX 1 2.0 mg/L - BLD	ALKALI	1	Sample
15	Vial 15	MATRIX 2 2.0 mg/L - BLD	ALKALI	1	Sample
16	Vial 16	MATRIX 6 2.0 mg/L - URN	ALKALI	1	Sample
17	Vial 17	MATRIX BLANK after 2.0 mg/L	ALKALI	1	Sample
18	Vial 19	MATRIX 1 W/ SW CTL - BLD	ALKALI	1	Sample
19	Vial 20	MATRIX 2 W/ SW CTL - BLD	ALKALI	1	Sample
20	Vial 21	MATRIX 6 W/ SW CTL - URN	ALKALI	1	Sample
21	Vial 22	MATRIX 10 W/ 0.1mg/L CAL -...	ALKALI	1	Sample
22	Vial 23	SOLVENT BLANK	ALKALI	1	Sample
23	Vial 24	MATRIX 1 W/ IH CTL - BLD	ALKALI	1	Sample
24	Vial 25	MATRIX 2 W/ IH CTL - BLD	ALKALI	1	Sample
25	Vial 26	MATRIX 6 W/ IH CTL - URN	ALKALI	1	Sample
26	Vial 27	MATRIX 10 W/ IH CTL - LVR	ALKALI	1	Sample
27	Vial 28	SOLVENT BLANK 1	ALKALI	1	Sample
28	Vial 29	MATRIX 1 W/ SW CTL + XYLAZ...	ALKALI	1	Sample
29	Vial 30	MATRIX 2 W/ SW CTL + XYLAZ...	ALKALI	1	Sample
30	Vial 31	MATRIX 6 W/ SW CTL + XYLAZ...	ALKALI	1	Sample
31	Vial 32	MATRIX 10 W/ 0.1mg/L CAL +...	ALKALI	1	Sample
32	Vial 33	SOLVENT BLANK 2	ALKALI	1	Sample
33	Vial 34	MATRIX 1 W/ IH CTL + XYLAZ...	ALKALI	1	Sample
34	Vial 35	MATRIX 2 W/ IH CTL + XYLAZ...	ALKALI	1	Sample
35	Vial 36	MATRIX 6 W/ IH CTL + XYLAZ...	ALKALI	1	Sample
36	Vial 37	MATRIX 10 W/ IH CTL + XYLA...	ALKALI	1	Sample
37	Vial 38	SOLVENT BLANK 3	ALKALI	1	Sample
38	Vial 39	SOLVENT BLANK 4	ALKALI	1	Sample
39	Vial 40	MATRIX 1 LOD - BLD	ALKALI	1	Sample
40	Vial 41	MATRIX 2 LOD - BLD	ALKALI	1	Sample
41	Vial 42	MATRIX 6 LOD - URN	ALKALI	1	Sample
42	Vial 43	MATRIX 10 LOD - LVR	ALKALI	1	Sample
43	Vial 44	MATRIX 1 W/O ISTD - BLD	ALKALI	1	Sample
44	Vial 45	MATRIX 2 W/O ISTD - BLD	ALKALI	1	Sample
45	Vial 46	MATRIX 6 W/O ISTD - URN	ALKALI	1	Sample
46	Vial 47	MATRIX 10 W/O ISTD - LVR	ALKALI	1	Sample
47	Vial 48	SOLVENT BLANK 5	ALKALI	1	Sample
48	Vial 49	MATRIX 1 W/ISTD ONLY - BLD	ALKALI	1	Sample
49	Vial 50	MATRIX 2 W/ISTD ONLY - BLD	ALKALI	1	Sample
50	Vial 81	MATRIX 6 W/ISTD ONLY- URN	ALKALI	1	Sample
51	Vial 82	MATRIX 10 W/ISTD ONLY- LVR	ALKALI	1	Sample
52	Vial 83	MATRIX 1 W/ISTD 0.010 mg/L...	ALKALI	1	Sample
53	Vial 84	MATRIX 2 W/ISTD 0.010 mg/L...	ALKALI	1	Sample
54	Vial 85	MATRIX 6 W/ISTD 0.010 mg/L...	ALKALI	1	Sample
55	Vial 86	MATRIX 10 W/ISTD 0.010 mg/...	ALKALI	1	Sample

vial check
KM 9/29/21

56	Vial 87	MATRIX 1 W/ISTD 0.10 mg/L ...	ALKALI	1	Sample
57	Vial 88	MATRIX 2 W/ISTD 0.10 mg/L ...	ALKALI	1	Sample
58	Vial 89	MATRIX 6 W/ISTD 0.10 mg/L ...	ALKALI	1	Sample
59	Vial 90	MATRIX 10 W/ISTD 0.10 mg/L...	ALKALI	1	Sample
60	Vial 91	MATRIX 1 W/ISTD 0.010 mg/L...	ALKALI	1	Sample
61	Vial 92	MATRIX 2 W/ISTD 2.0 mg/L ...	ALKALI	1	Sample
62	Vial 93	MATRIX 6 W/ISTD 2.0 mg/L -...	ALKALI	1	Sample
63	Vial 94	MATRIX 10 W/ISTD 2.0 mg/L-...	ALKALI	1	Sample
64	Vial 95	SOLVENT BLANK 6	ALKALI	1	Sample
65	Vial 96	OFF	ALKALI	1	Sample

20
KM 9.28.21

vial check 9/29/21

Sequence Name: C:\MassHunter\GCMS\1\sequence\alkalival.sequence.xml
Comment: Base
Operator: KM/QC DATA IN XYLAZINE VALIDATION KM
Data Path: C:\MassHunter\GCMS\1\data\BASES\092821\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

---

42)	Sample	67	036	ALKALI	MATRIX 10 LOD - LVR
43)	Sample	68	037	ALKALI	MATRIX 1 W/O ISTD - BLD
44)	Sample	69	038	ALKALI	MATRIX 2 W/O ISTD - BLD
45)	Sample	70	039	ALKALI	MATRIX 6 W/O ISTD - URN
46)	Sample	71	040	ALKALI	MATRIX 10 W/O ISTD - LVR
47)	Sample	72	SOL5	ALKALI	Solvent Blank 5
48)	Sample	73	041	ALKALI	MATRIX 1 W/ISTD ONLY - BLD
49)	Sample	74	042	ALKALI	MATRIX 2 W/ISTD ONLY - BLD
50)	Sample	75	043	ALKALI	MATRIX 6 W/ISTD ONLY- URN
51)	Sample	76	044	ALKALI	MATRIX 10 W/ISTD ONLY- LVR
52)	Sample	77	045	ALKALI	MATRIX 1 W/ISTD 0.010 mg/L -
53)	Sample	78	046	ALKALI	MATRIX 2/W ISTD 0.010 mg/L- BLD*
54)	Sample	79	047	ALKALI	MATRIX 6 W/ISTD 0.010 mg/L- UR*
55)	Sample	80	048	ALKALI	MATRIX 10 W/ISTD 0.010 mg/L-
56)	Sample	81	049	ALKALI	MATRIX 1 W/ISTD 0.10 mg/L - BLD*
57)	Sample	82	050	ALKALI	MATRIX 2/W ISTD 0.10 mg/L- BLD*
58)	Sample	83	051	ALKALI	MATRIX 6 W/ISTD 0.10 mg/L- UR
59)	Sample	84	052	ALKALI	MATRIX 10 W/ISTD 0.10 mg/L- LVR*
60)	Sample	85	053	ALKALI	MATRIX 1 W/ISTD 2.0 mg/L - BLD*
61)	Sample	86	054	ALKALI	MATRIX 2/W ISTD 2.0 mg/L- BLD
62)	Sample	87	055	ALKALI	MATRIX 6 W/ISTD 2.0 mg/L- URN
63)	Sample	88	056	ALKALI	MATRIX 10 W/ISTD 2.0 mg/L- LVR*
64)	Sample	89	SOL6	ALKALI	Solvent Blank 6

KM 9/29/21

vial check KM 9/29/21

Calibration Table

General Calibration Setting

Calib. Data Modified : Thursday, November 17, 2022 12:05:52 PM

Rel. Reference Window : 2.000 %
Abs. Reference Window : 0.000 min
Rel. Non-ref. Window : 2.000 %
Abs. Non-ref. Window : 0.000 min
Uncalibrated Peaks : not reported
Partial Calibration : Yes, identified peaks are recalibrated
Correct All Ret. Times: No, only for identified peaks

Curve Type : Linear (some peaks differ, see below)
Origin : Ignored (some peaks differ, see below)
Weight : Linear (Amnt) (some peaks differ, see below)

Recalibration Settings:
Average Response : No Update
Average Retention Time: No Update

Calibration Report Options :
Printout of recalibrations within a sequence:
Calibration Table after Recalibration
Normal Report after Recalibration
If the sequence is done with bracketing:
Results of first cycle (ending previous bracket)

Default Sample ISTD Information (if not set in sample table):

ISTD #	ISTD Amount [mg/L]	Name
1	1.00000	METHAPYRILENE

Signal Details

Signal 1: NPD1 A, Front Signal

Overview Table

RT	Sig	Lvl	Amount [mg/L]	Area	Rsp.Factor	Ref	ISTD	#	Compound
11.033	1	1	0.00000	911.87921	0.00000	No	No	1	TRAMADOL
11.046	1	1	0.00000	472.34546	0.00000	No	No	1	XYLAZINE
11.278	1	1	1.00000	820.58740	1.21864e-3	No	Yes	1	METHAPYRILENE

More compound-specific settings

Compound: TRAMADOL
  Time Window : From 10.817 min To 11.254 min

Compound: XYLAZINE
  Time Window : From 10.825 min To 11.267 min

Compound: METHAPYRILENE
  Curve Type : Linear
  Origin : Included
  Calibration Level Weights:/
    Level 1 : 1

Peak Sum Table

No Entries in table

---

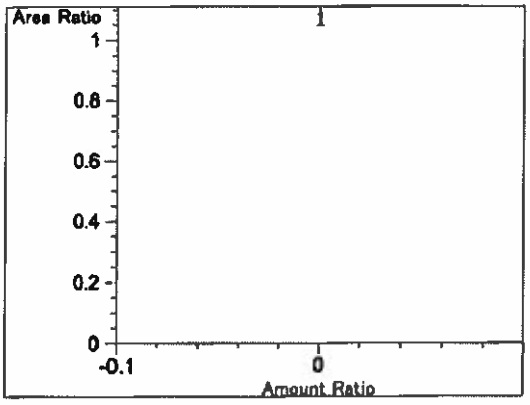
4 Warnings or Errors :

Warning : Curve requires more calibration points., (TRAMADOL)
Warning : Overlapping peak time windows at 11.033 min, signal 1
Warning : Overlapping peak time windows at 11.046 min, signal 1
Warning : Curve requires more calibration points. at 11.033 min, signal 1

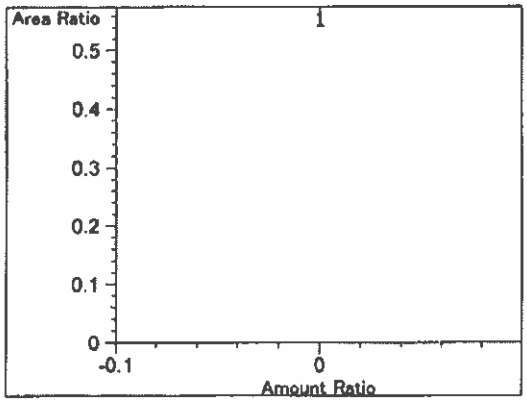
==========

Calibration Curves

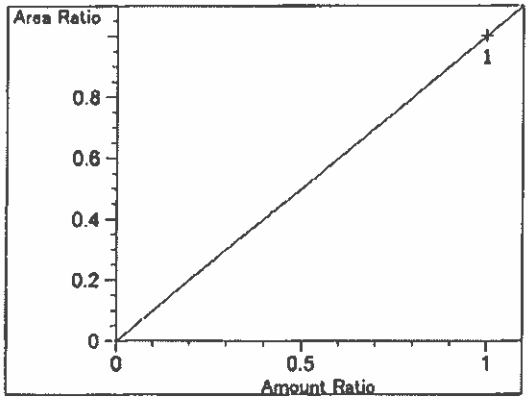
==========



TRAMADOL at exp. RT: 11.033
NPD1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 0.00000
b: 0.00000
x: Amount
y: Area



XYLAZINE at exp. RT: 11.046
NPD1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 0.00000
b: 0.00000
x: Amount
y: Area



METHAPYRILENE at exp. RT: 11.278
NPD1 A, Front Signal
Correlation: 1.00000
Residual Std. Dev.: 0.00000
Formula: y = mx + b
m: 1.00000
b: 0.00000
x: Amount
y: Area

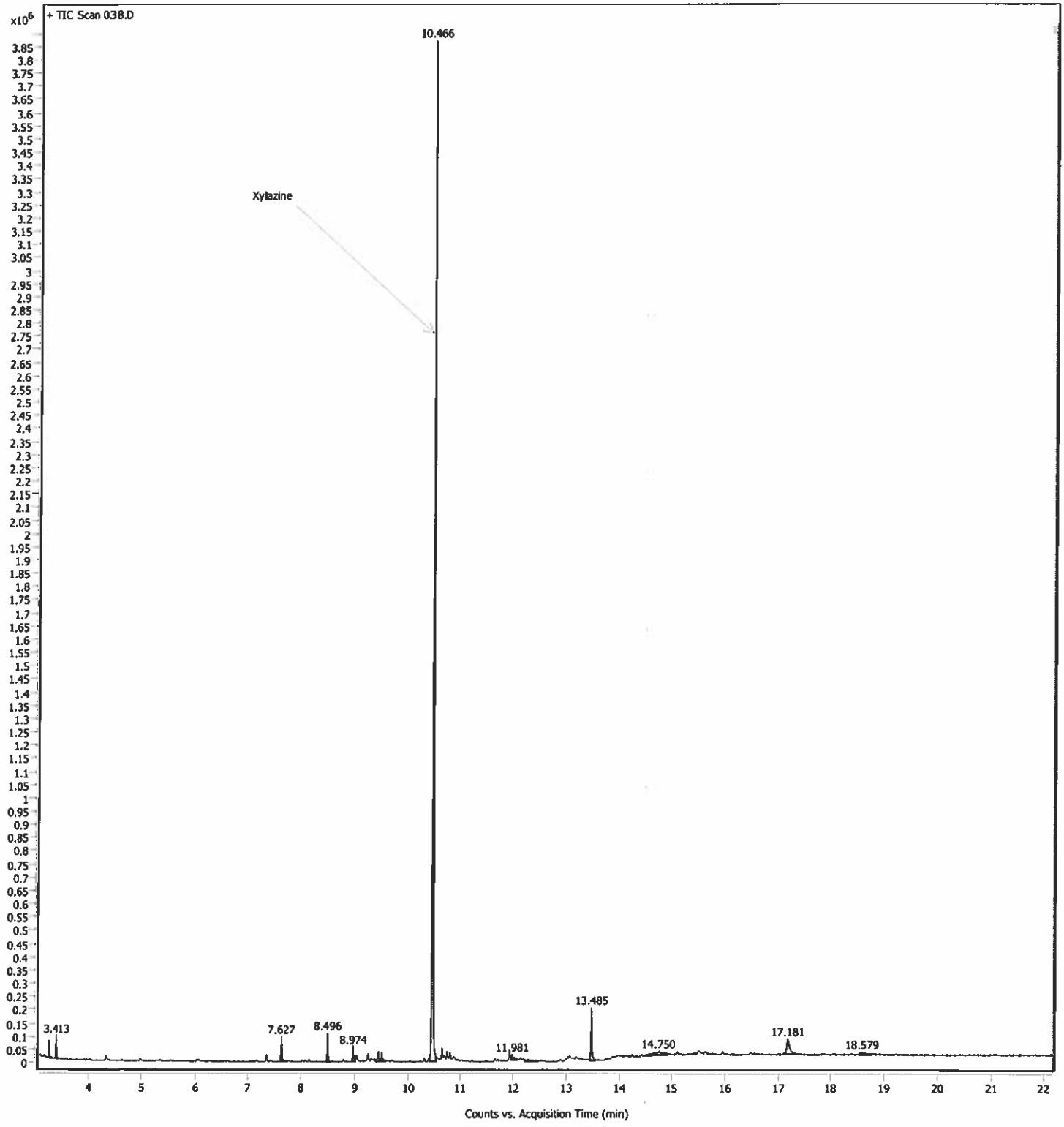
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2 W/O ISTD - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\038.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 7:45:35 AM (UTC-04:00)
Position	69	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

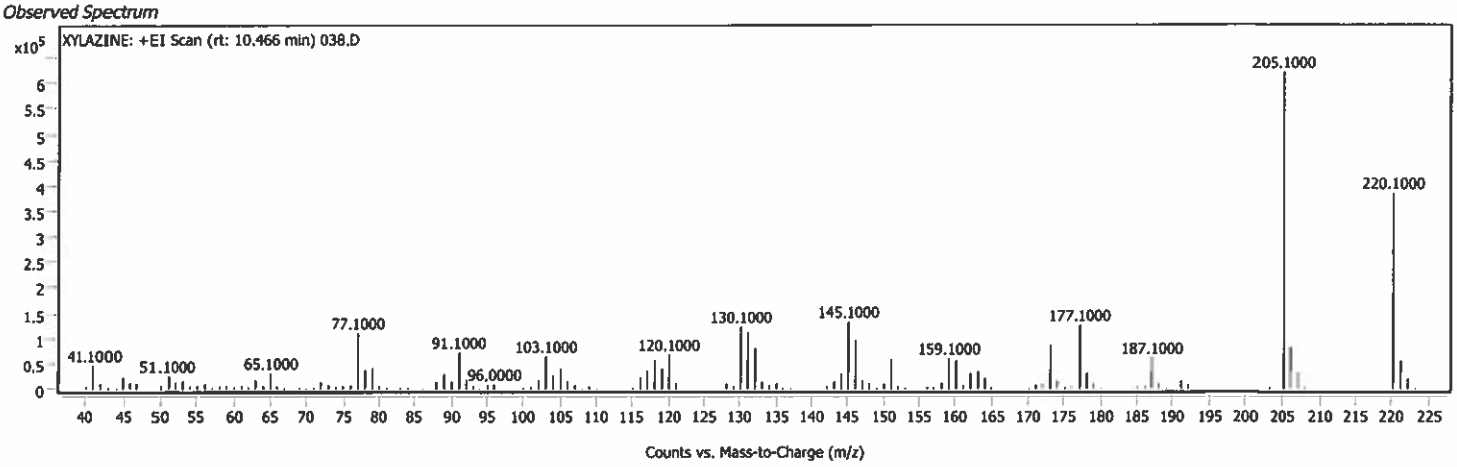
Agilent

Sample Spectra

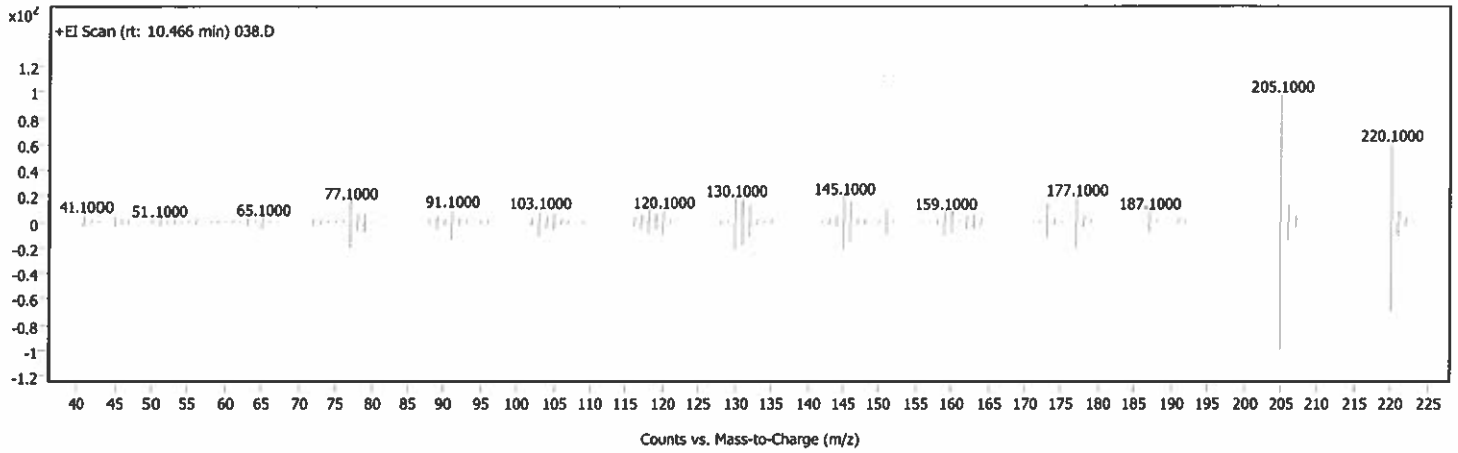
+ Scan (rt: 10.466 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.58	aafs.l	MATRIX 2 W/O ISTD - BLD	KM/QC DATA IN XYLAZINE VALIDATION

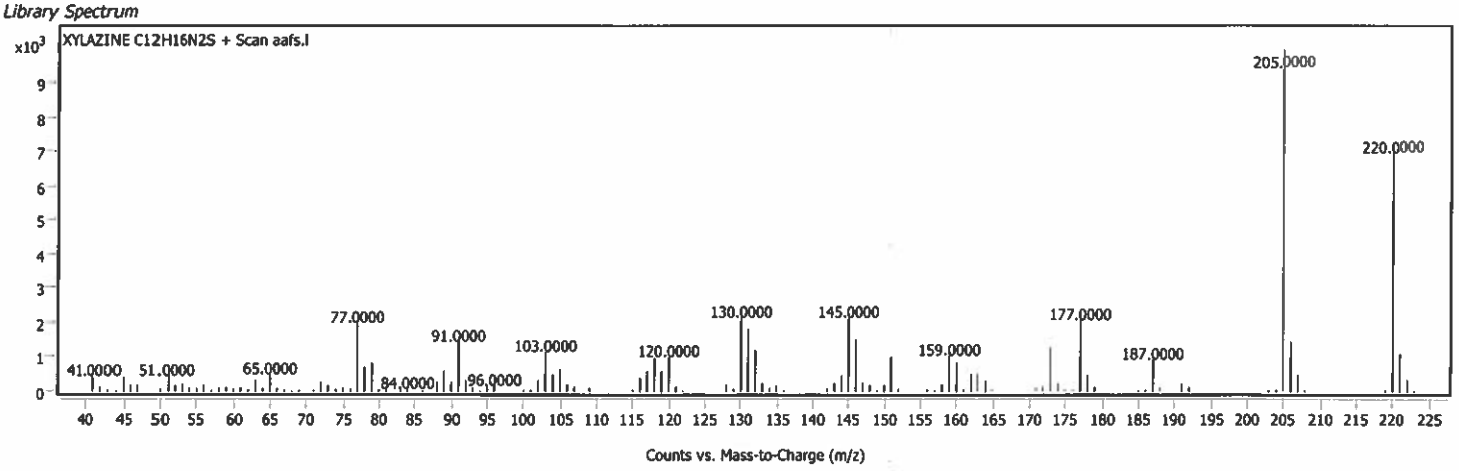
Observed Spectrum



Mirror Plot

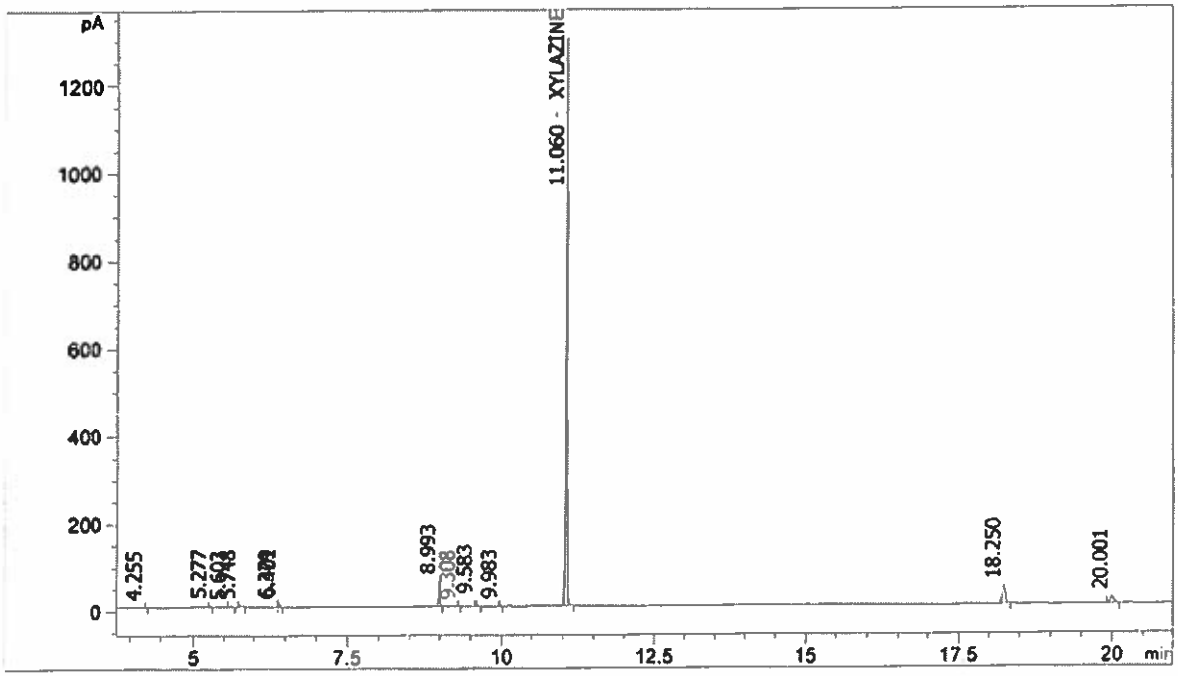


Library Spectrum



Injection Date: 9/29/2021 7:11:18 AM Seq Line: 44
Sample Name: MATRIX 2 W/O ISTD - BLD Vial 45
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.060	11.046	1860.743	1293.416	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

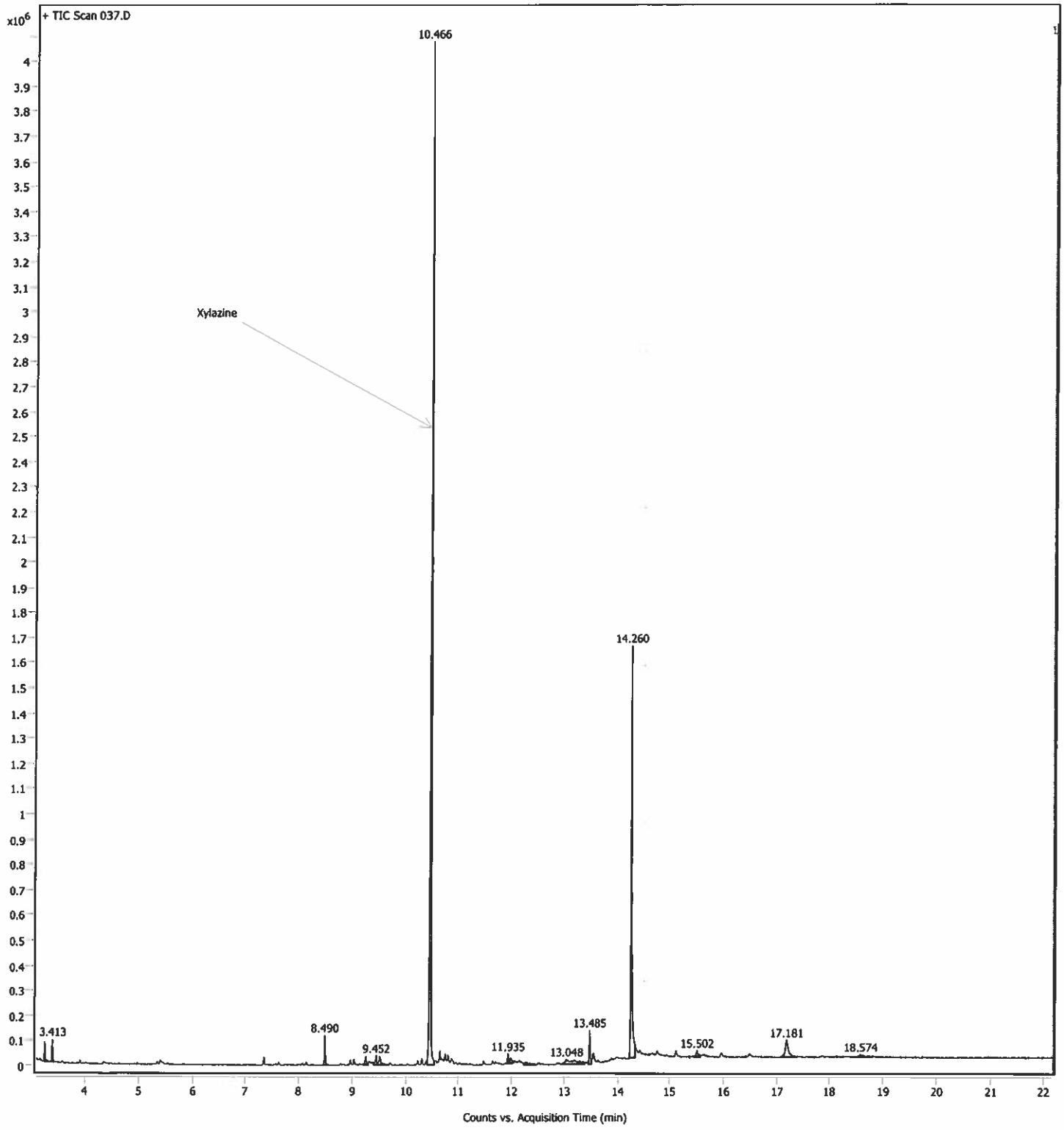
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 W/O ISTD - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\037.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 7:19:48 AM (UTC-04:00)
Position	68	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

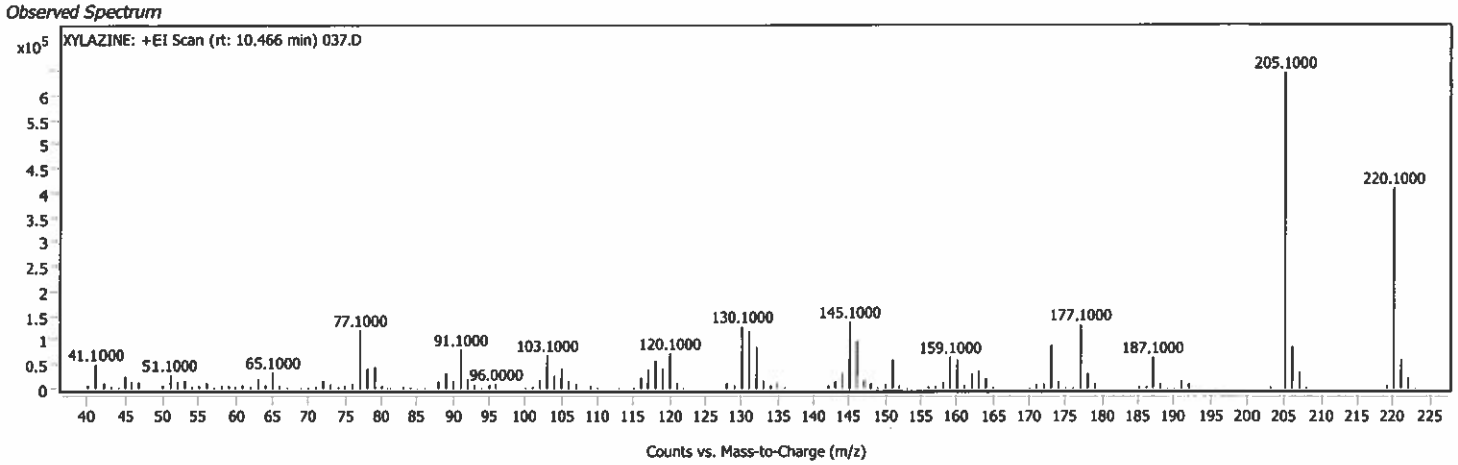
Agilent

Sample Spectra

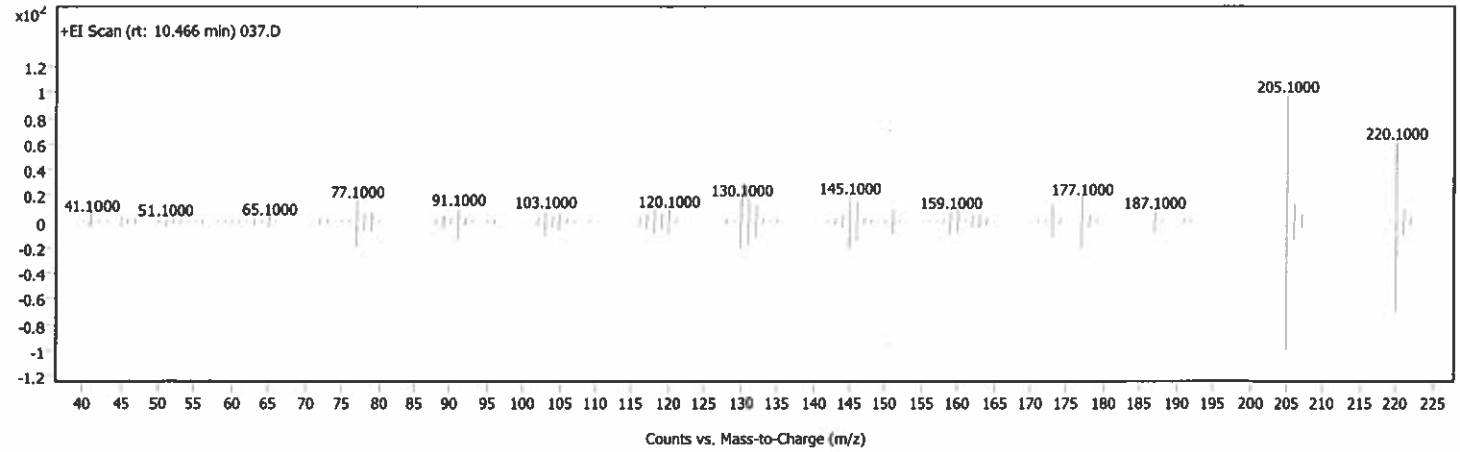
+ Scan (rt: 10.466 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.66	aafs.l	MATRIX 1 W/O ISTD - BLD	KM/QC DATA IN XYLAZINE VALIDATION

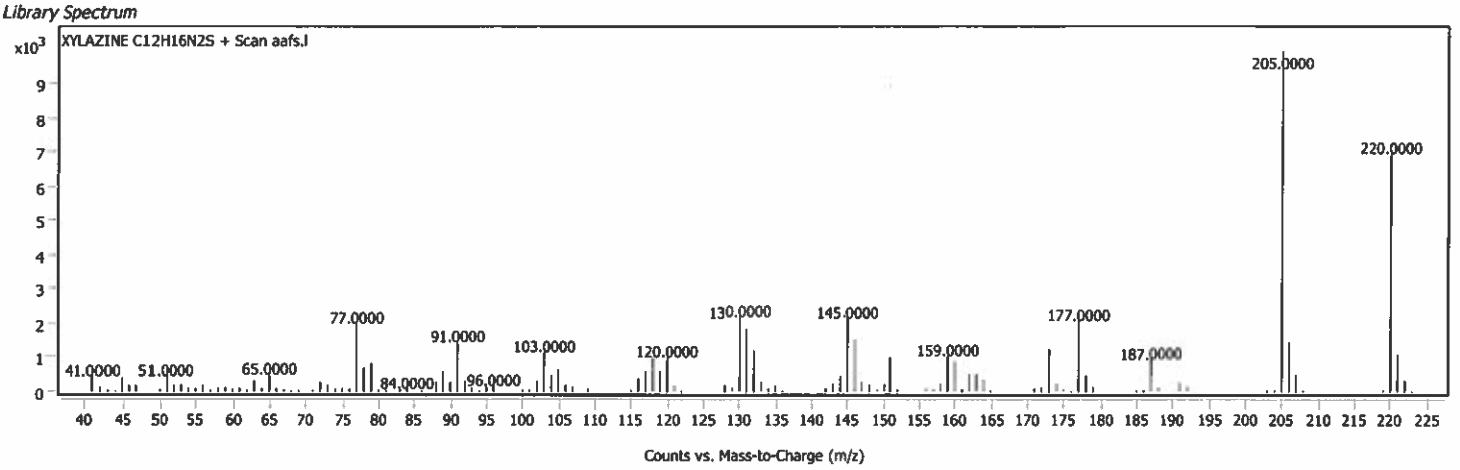
Observed Spectrum



Mirror Plot

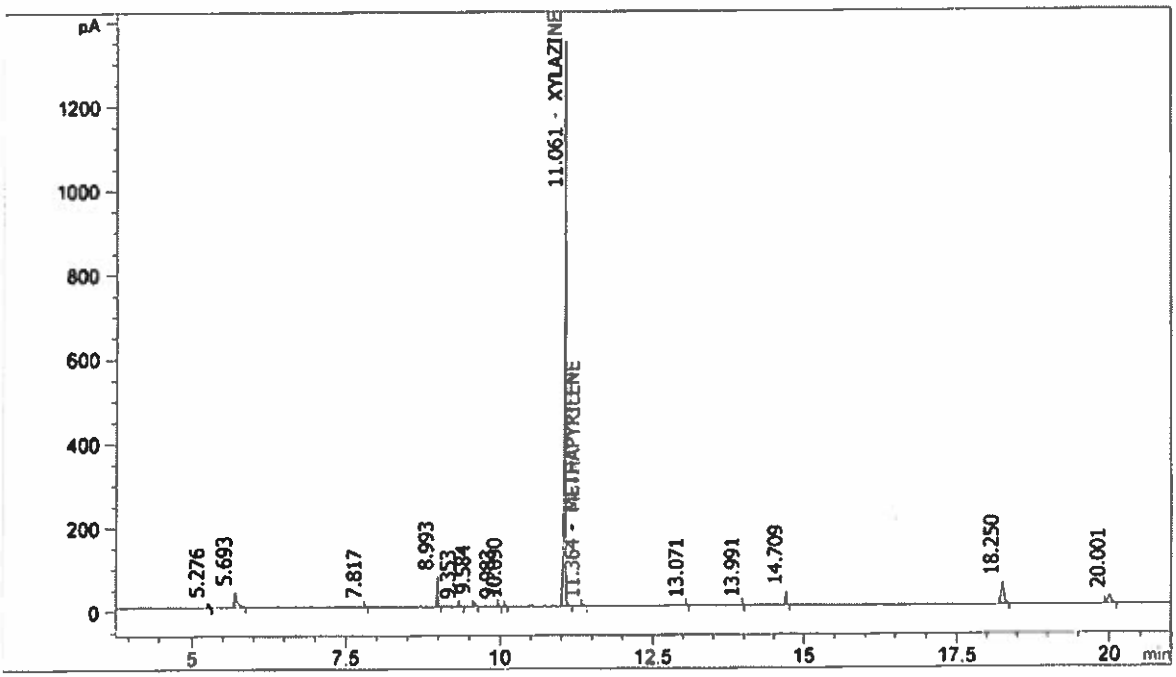


Library Spectrum



Injection Date: 9/29/2021 6:47:00 AM Seq Line: 43
Sample Name: MATRIX 1 W/O ISTD - BLD Vial 44
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.061	11.046	2010.912	1337.043	0.000000	XYLAZINE
11.364	11.278	6.070	3.448	1.000000	METHAPYRILENE

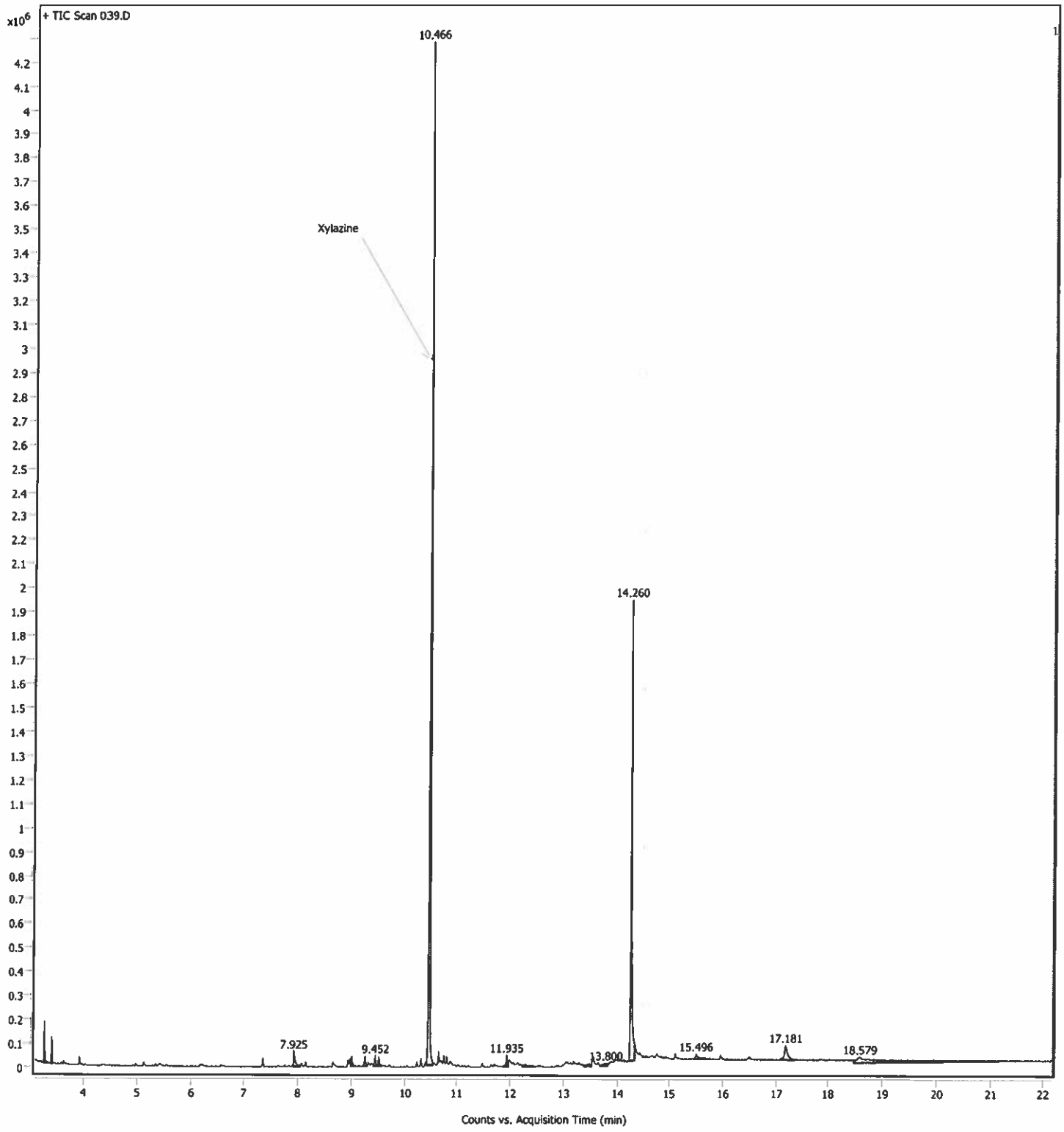
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 W/O ISTD - URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\039.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 8:11:23 AM (UTC-04:00)
Position	70	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		2.0 mg/L - 400 uL of 0.01 mg/mL xylazine std

Sample Chromatograms



Analysis Report

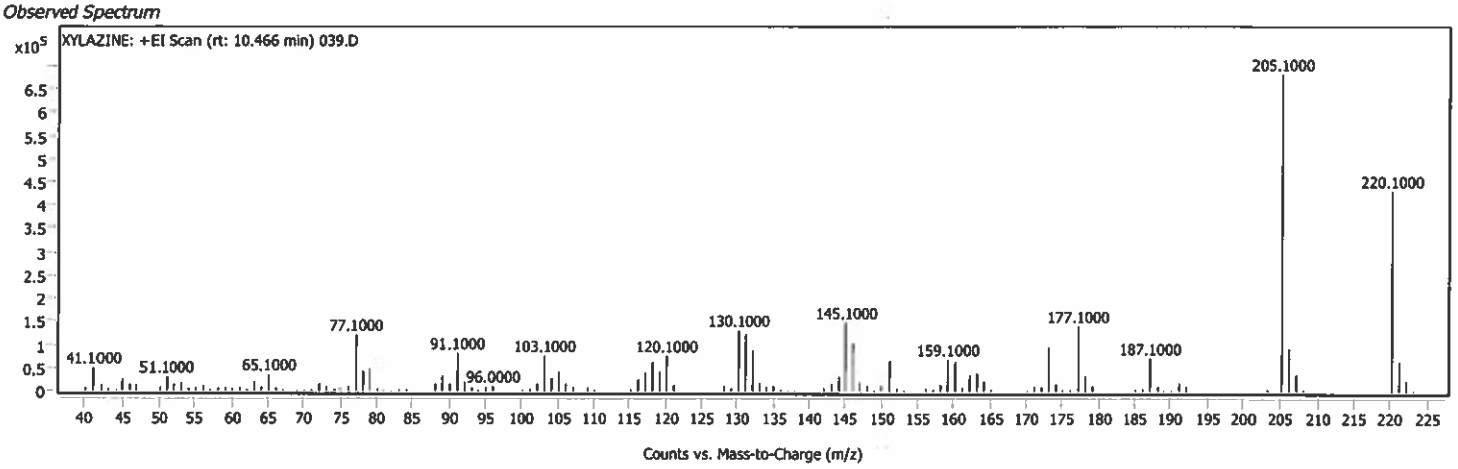
Agilent

Sample Spectra

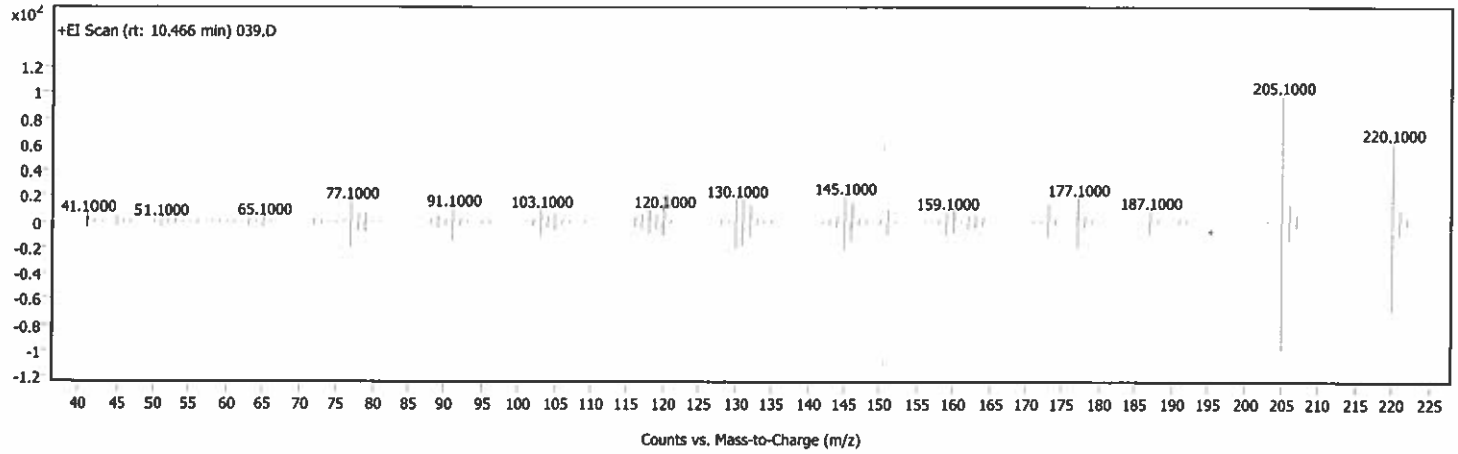
+ Scan (rt: 10.466 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.62	aafs.l	MATRIX 6 W/O ISTD - URN	KM/QC DATA IN XYLAZINE VALIDATION

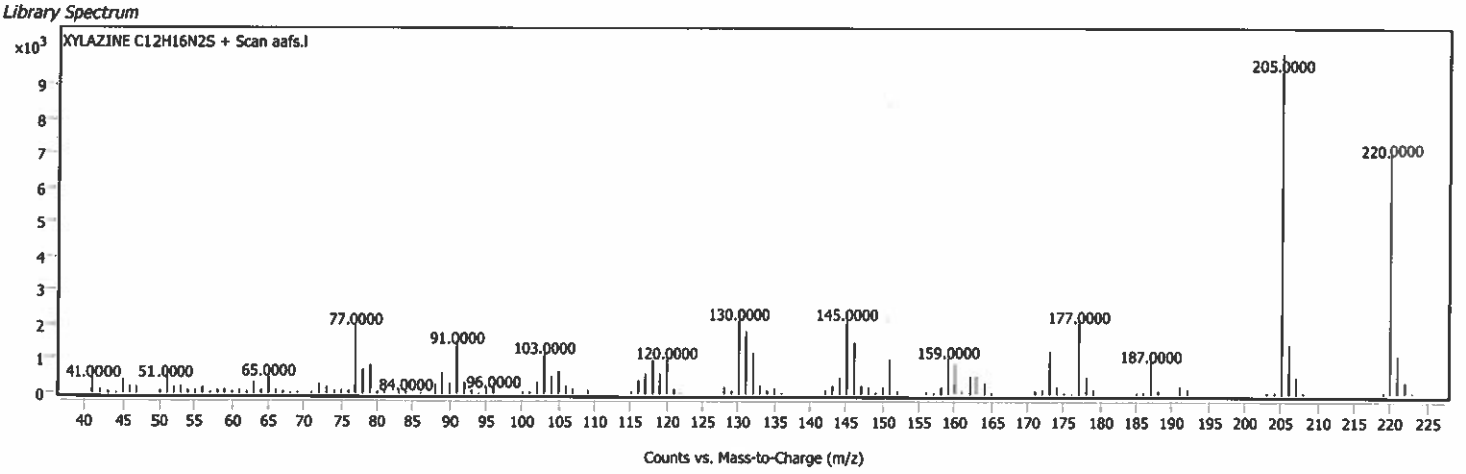
Observed Spectrum



Mirror Plot

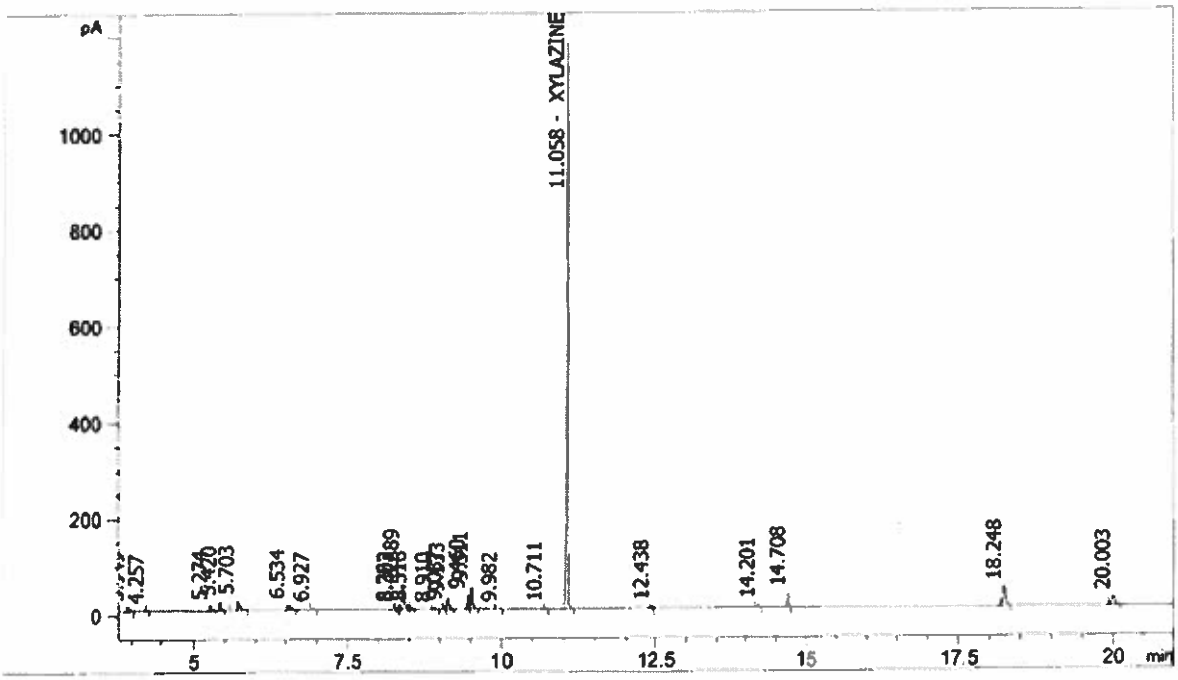


Library Spectrum



Injection Date: 9/29/2021 7:35:35 AM Seq Line: 45
Sample Name: MATRIX 6 W/O ISTD - URN Vial 46
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.058	11.046	1684.577	1168.928	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

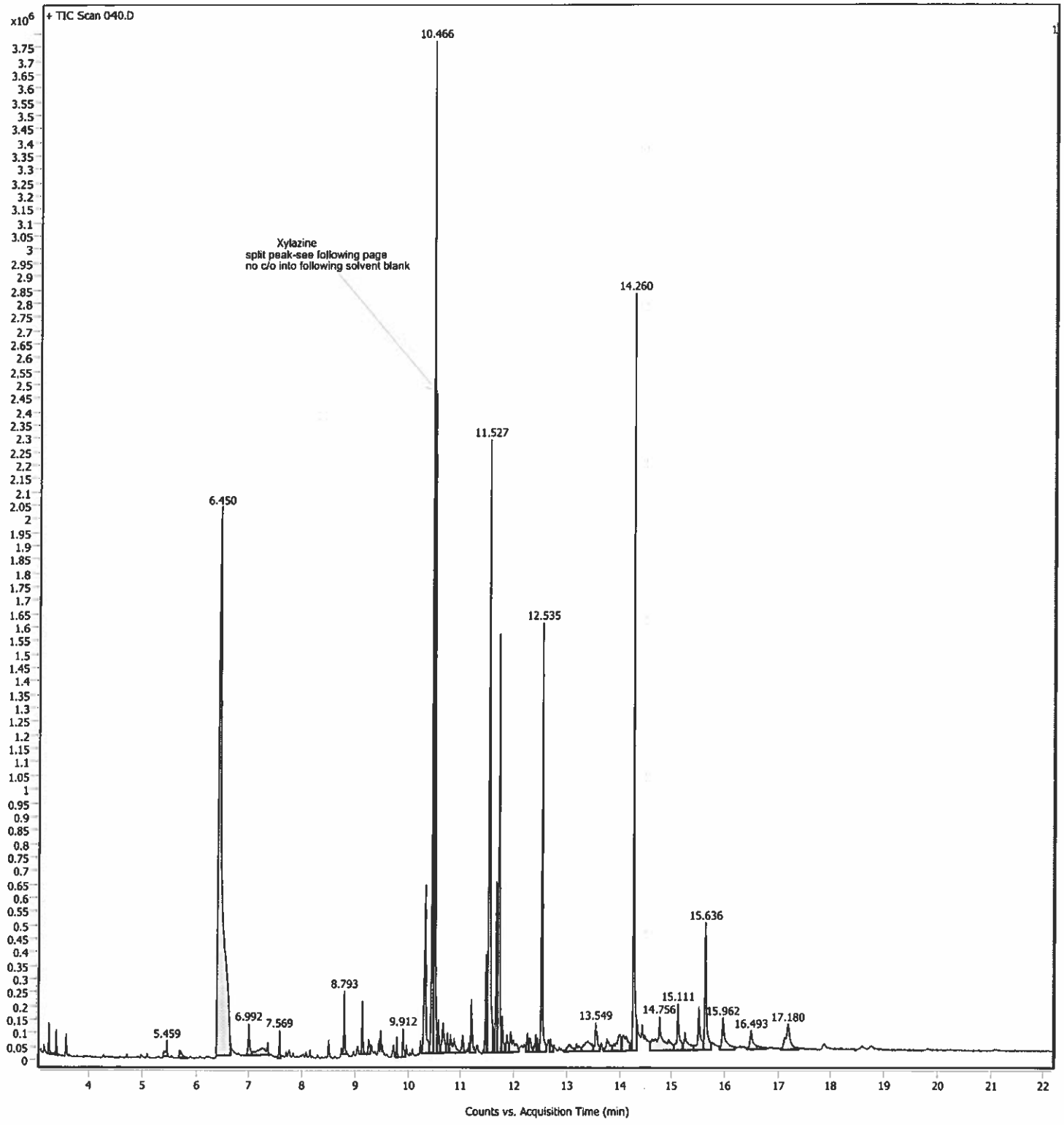
Analysis Report

Agilent

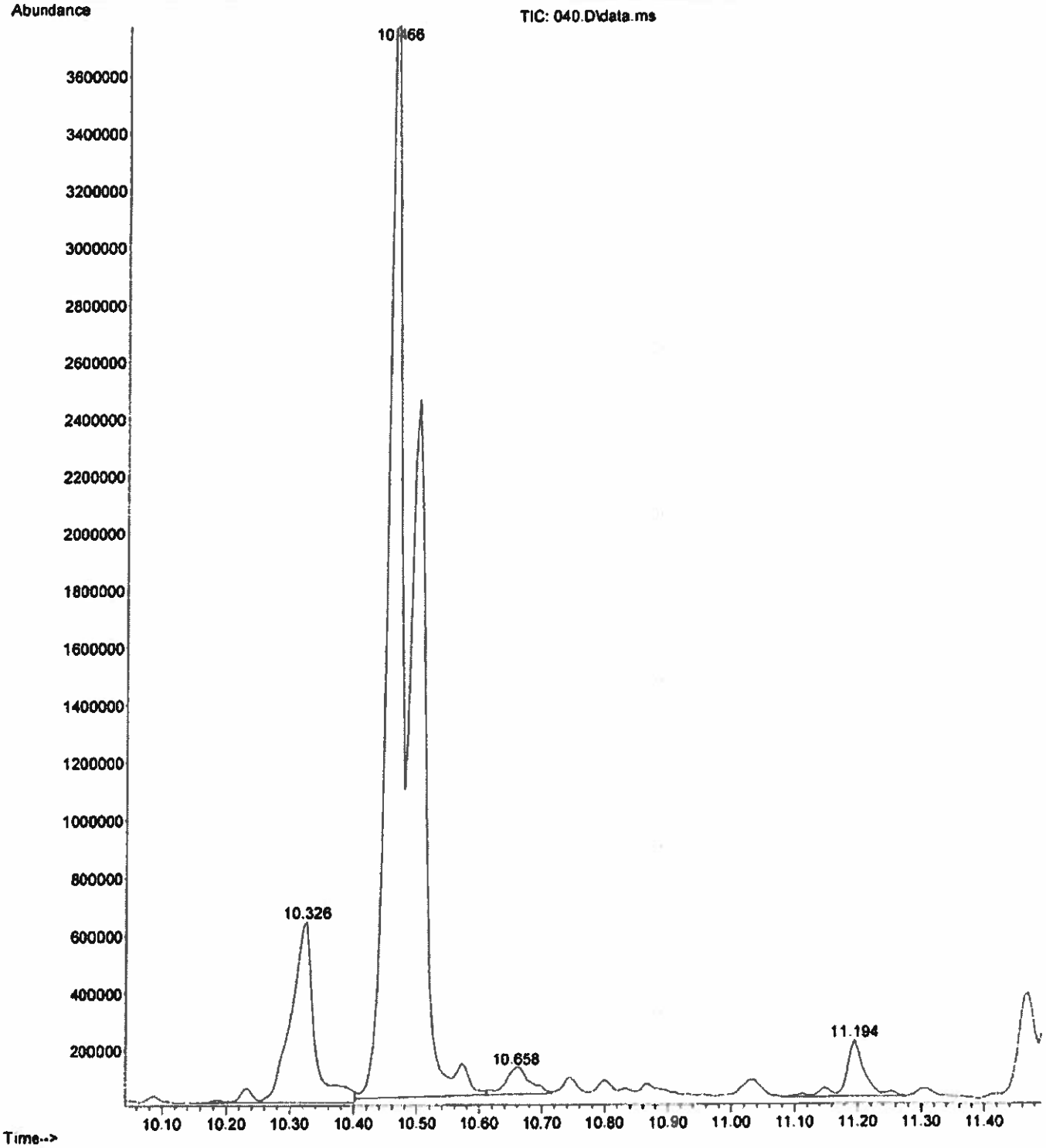
Sample Information

Sample Name	MATRIX 10 W/O ISTD - LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\040.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 8:37:19 AM (UTC-04:00)
Position	71	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

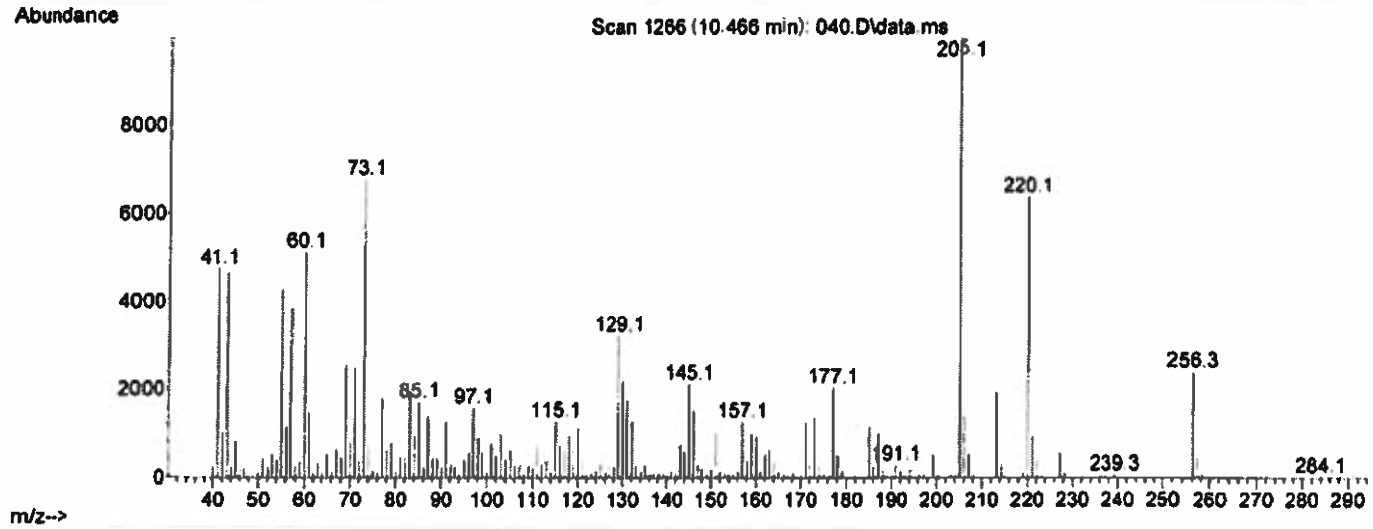
Sample Chromatograms

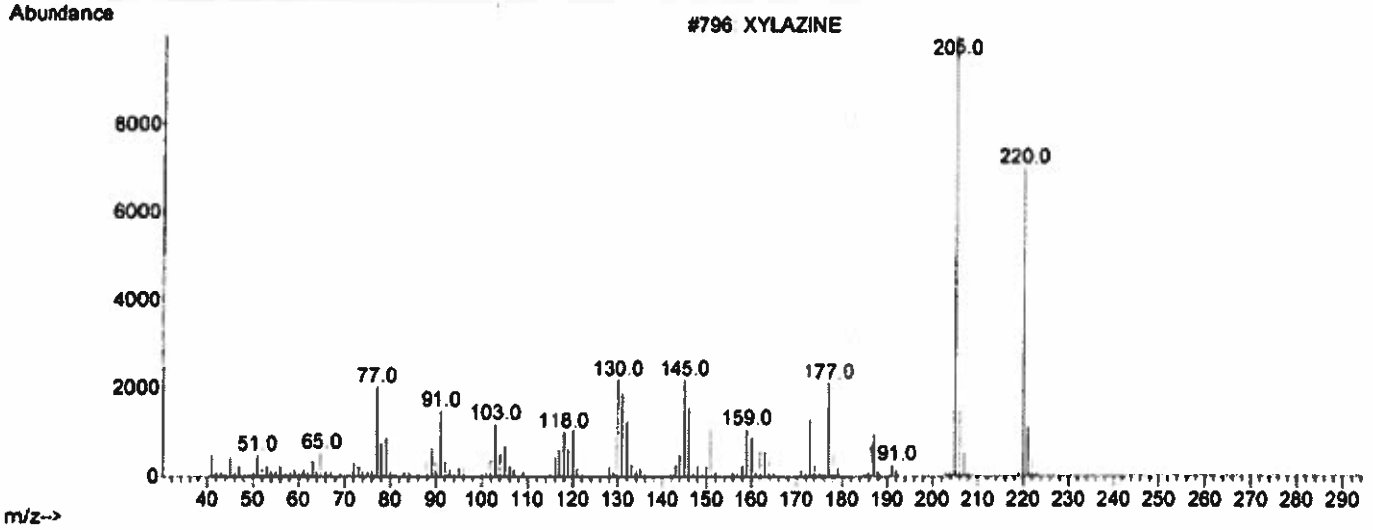


File :C:\Users\TOX\Desktop\092821\040.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 29 Sep 2021 08:37 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX 10 W/O ISTD - LVR
Misc Info : 2.0 mg/L - 400uL of 0.01 mg/mL XYLAZINE WS
Vial Number: 71

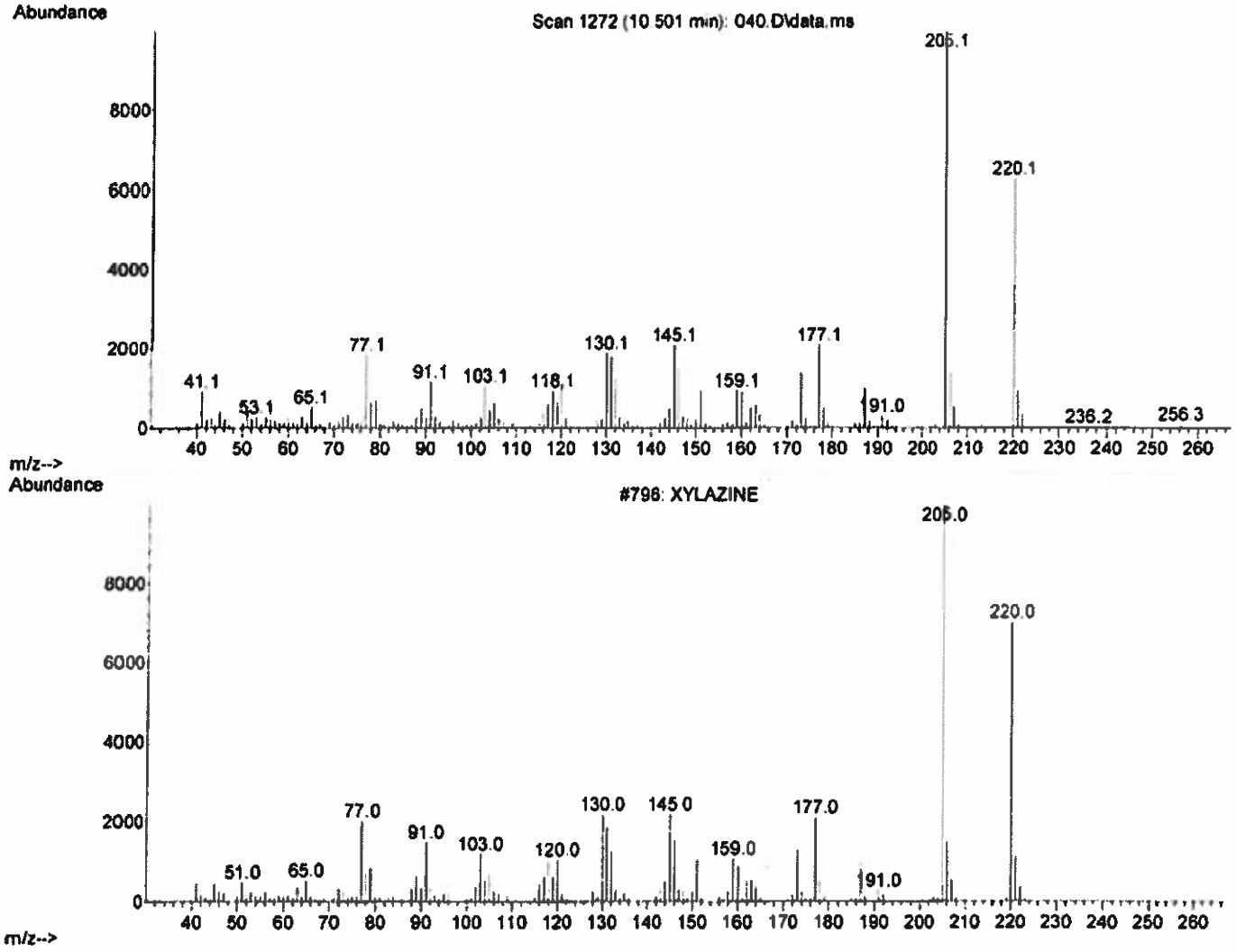


Library Searched : C:\MassHunter\Library\aafs.l
Quality : 99
ID : XYLAZINE
Sample Name: MATRIX 10 W/O ISTD - LVR
File: C:\Users\TOX\Desktop\092821\040.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 08:37
Vial: 71





Library Searched : C:\MassHunter\Library\aafs.l
Quality : 99
ID : XYLAZINE
Sample Name: MATRIX 10 W/O ISTD - LVR
File: C:\Users\TOX\Desktop\092821\040.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 08:37
Vial: 71

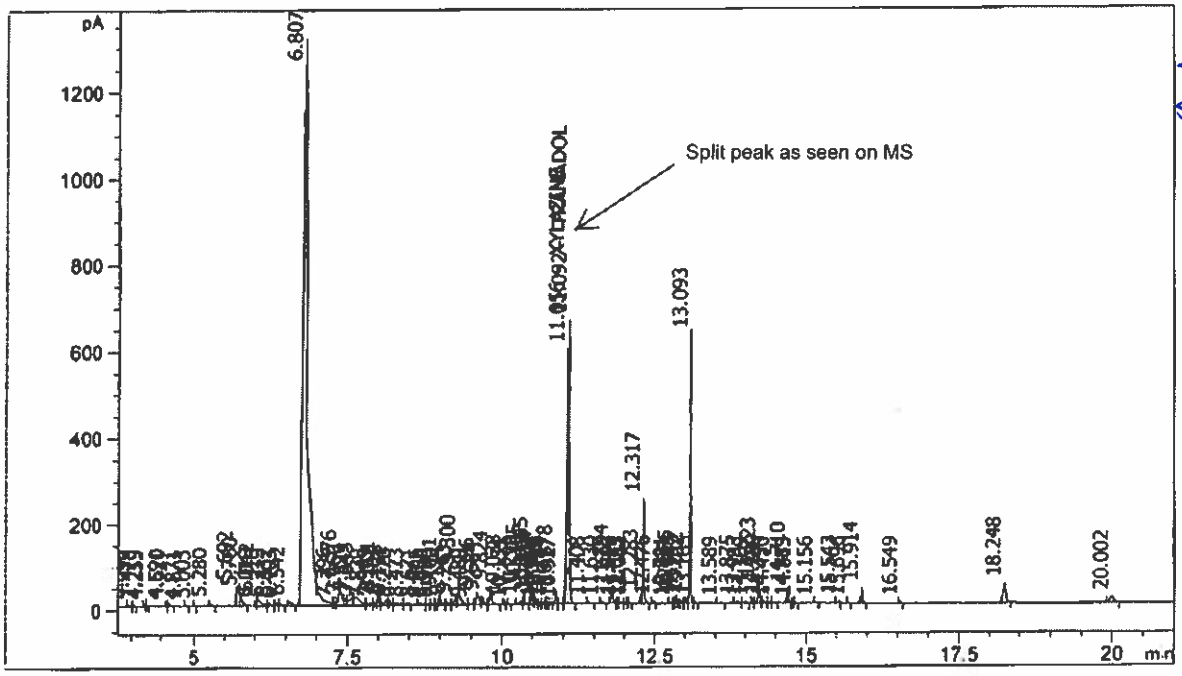


Injection Date: 9/29/2021 7:59:56 AM Seq Line: 46
Sample Name: MATRIX 10 W/O ISTD - -> Vial 47
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION

2.0 mg/L - split peak only seen in LVR sample - OK for qual reporting

NO CIO into following solvent blank K



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.056	11.046	806.661	593.069	0.000000	XYLAZINE
11.092	11.033	979.896	658.757	0.000000	TRAMADOL
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

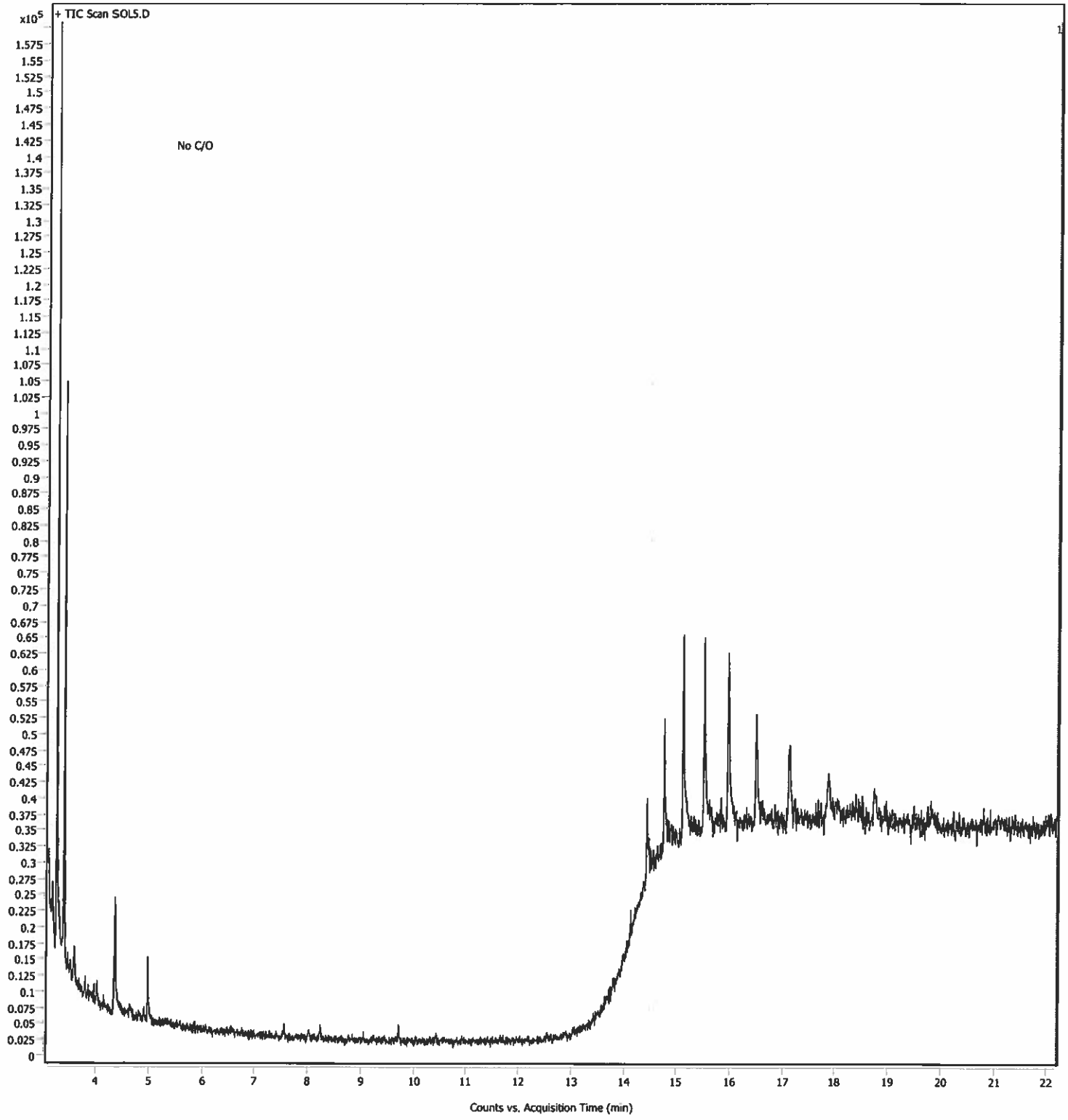
Analysis Report

Agilent

Sample Information

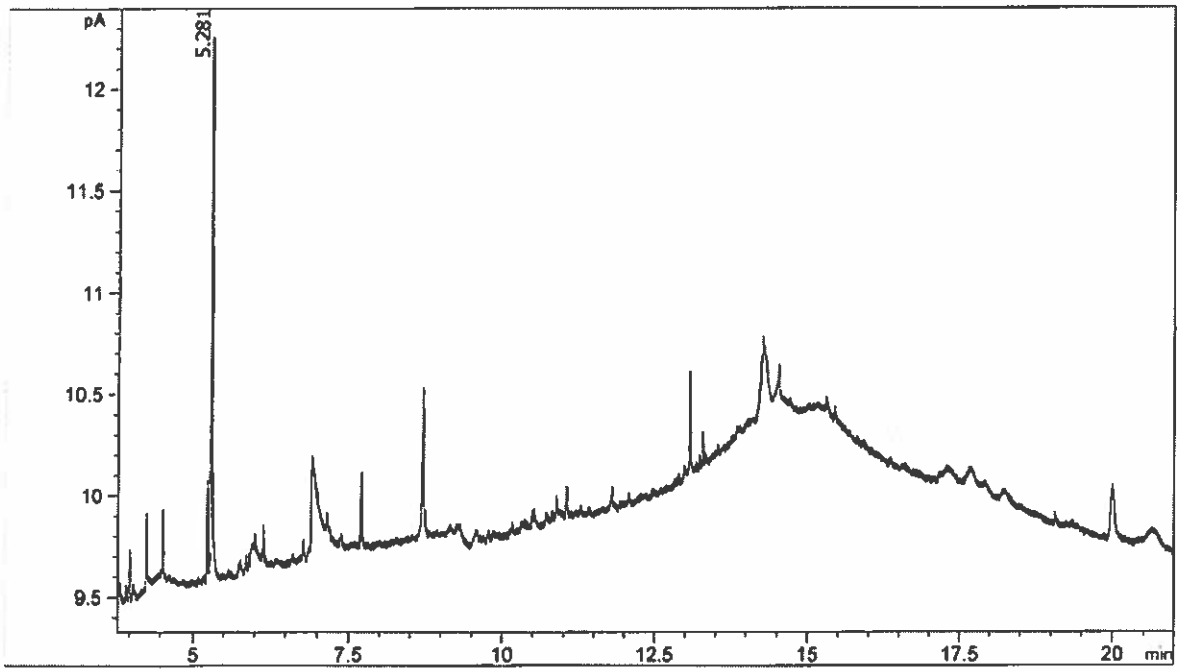
Sample Name	Solvent Blank 5	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\SOL5.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 9:03:08 AM (UTC-04:00)
Position	72	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Injection Date: 9/29/2021 8:24:14 AM Seq Line: 47
Sample Name: SOLVENT BLANK 5 Vial 48
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

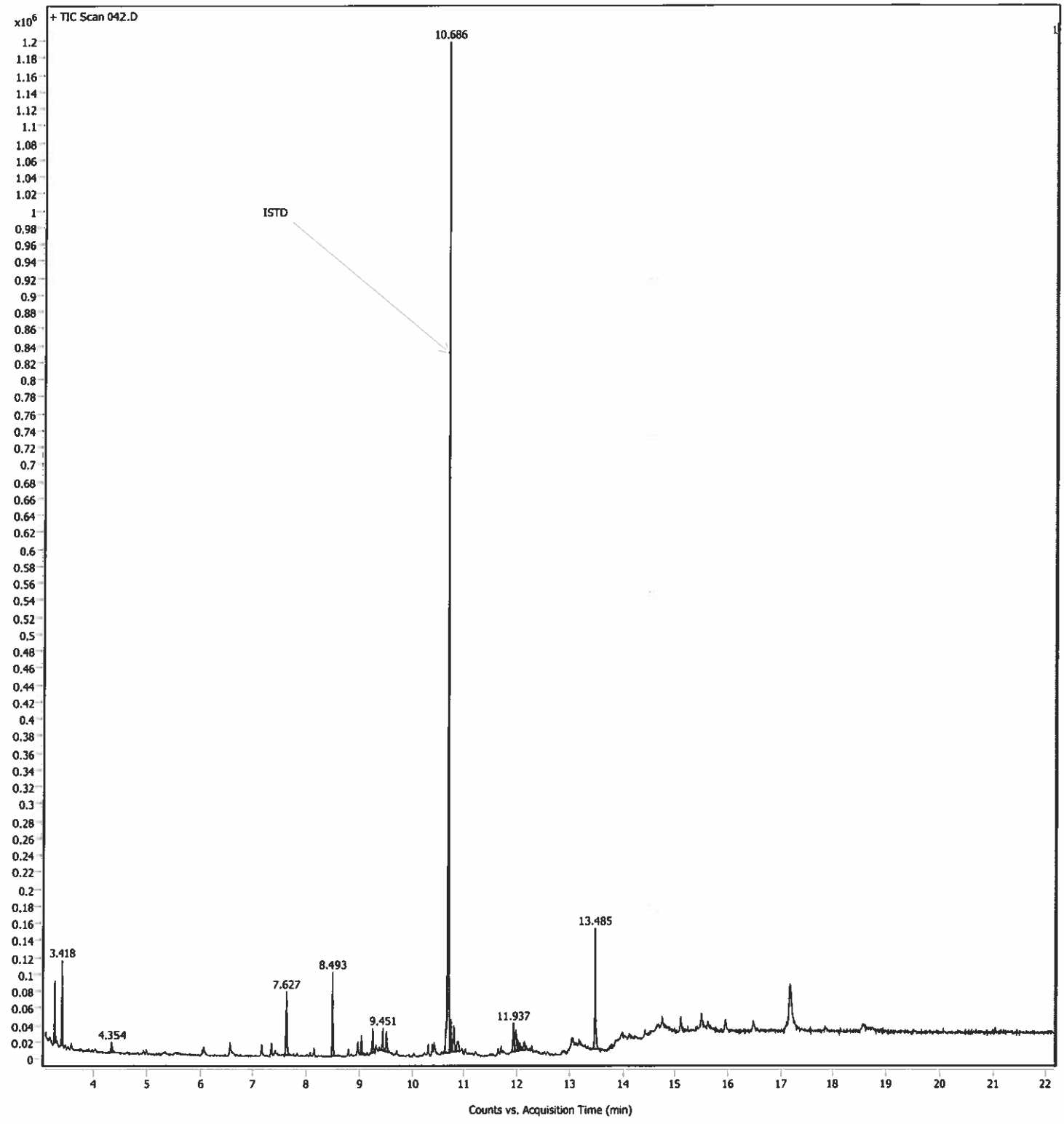
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2 W/ISTD ONLY - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\042.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 9:54:51 AM (UTC-04:00)
Position	74	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

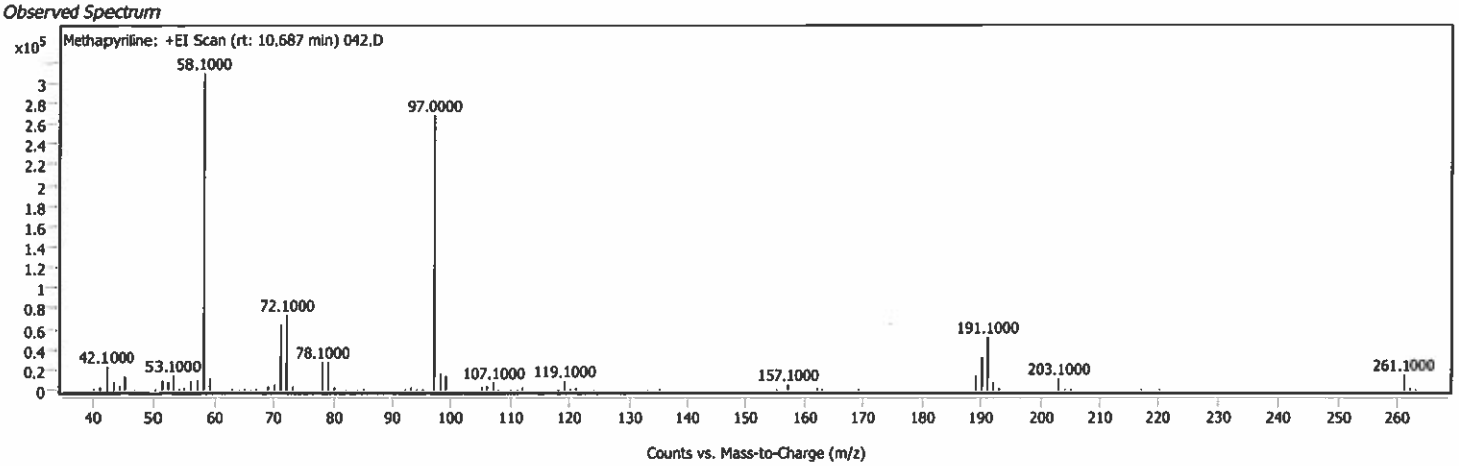
Agilent

Sample Spectra

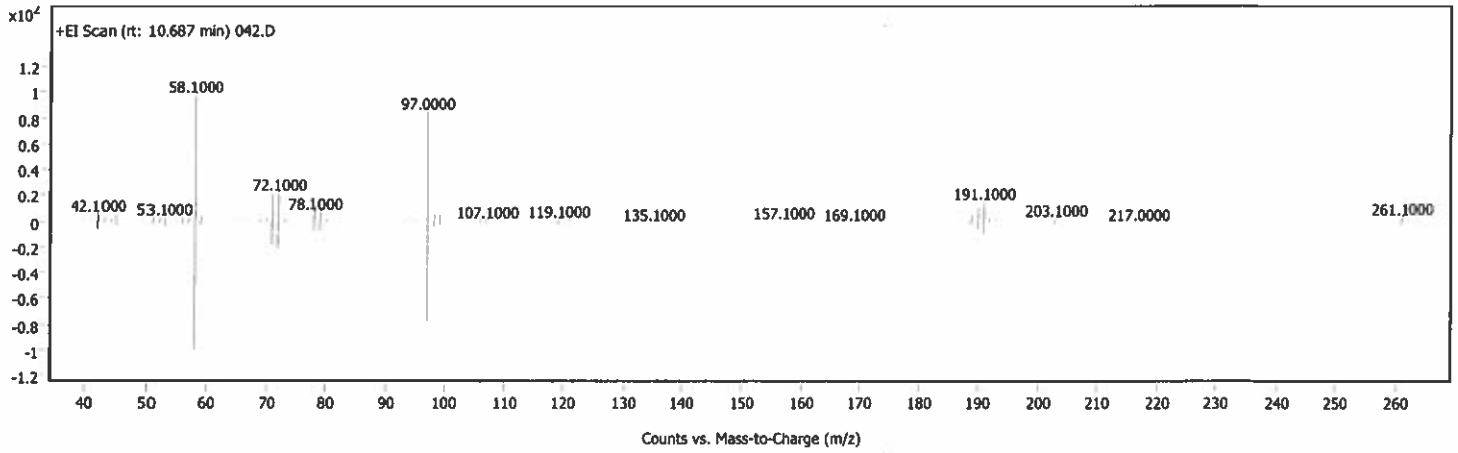
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.56	SWGDRUG 3.3.L	MATRIX 2 W/ISTD ONLY - BLD	KM/QC DATA IN XYLAZINE VALIDATION

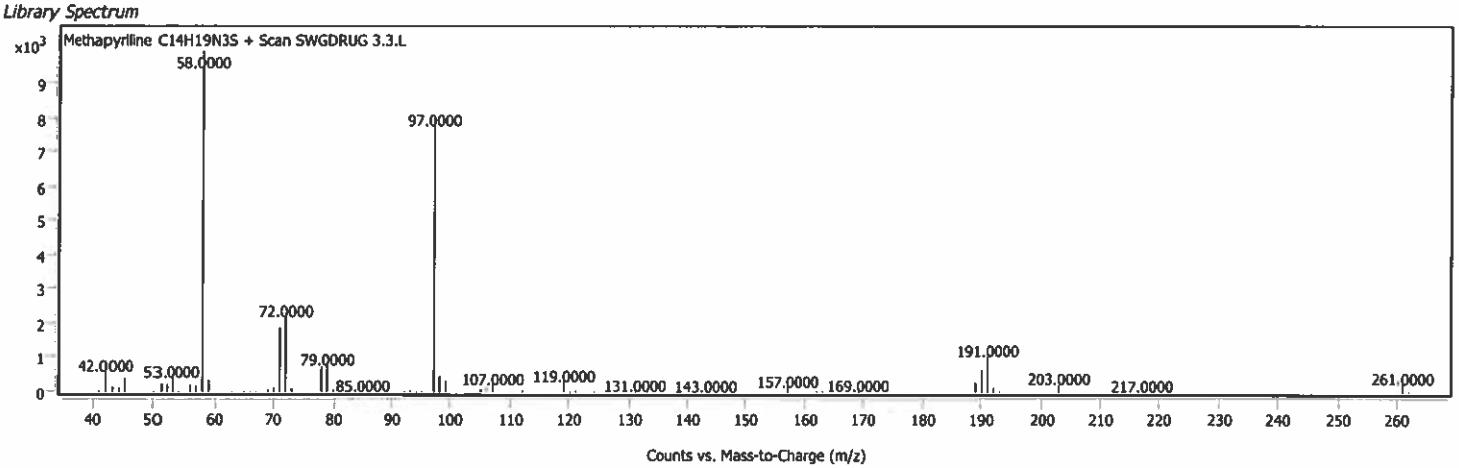
Observed Spectrum



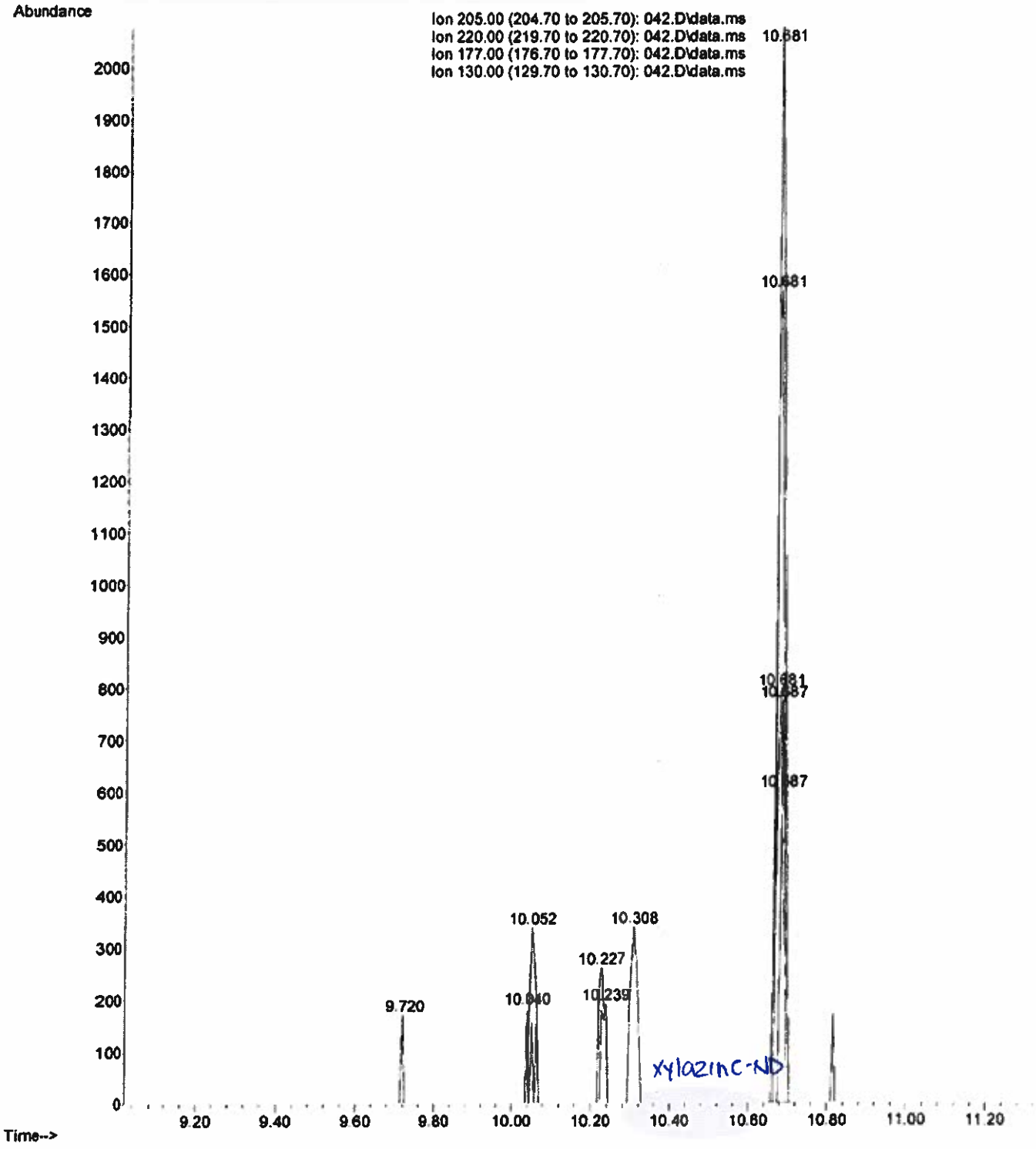
Mirror Plot



Library Spectrum

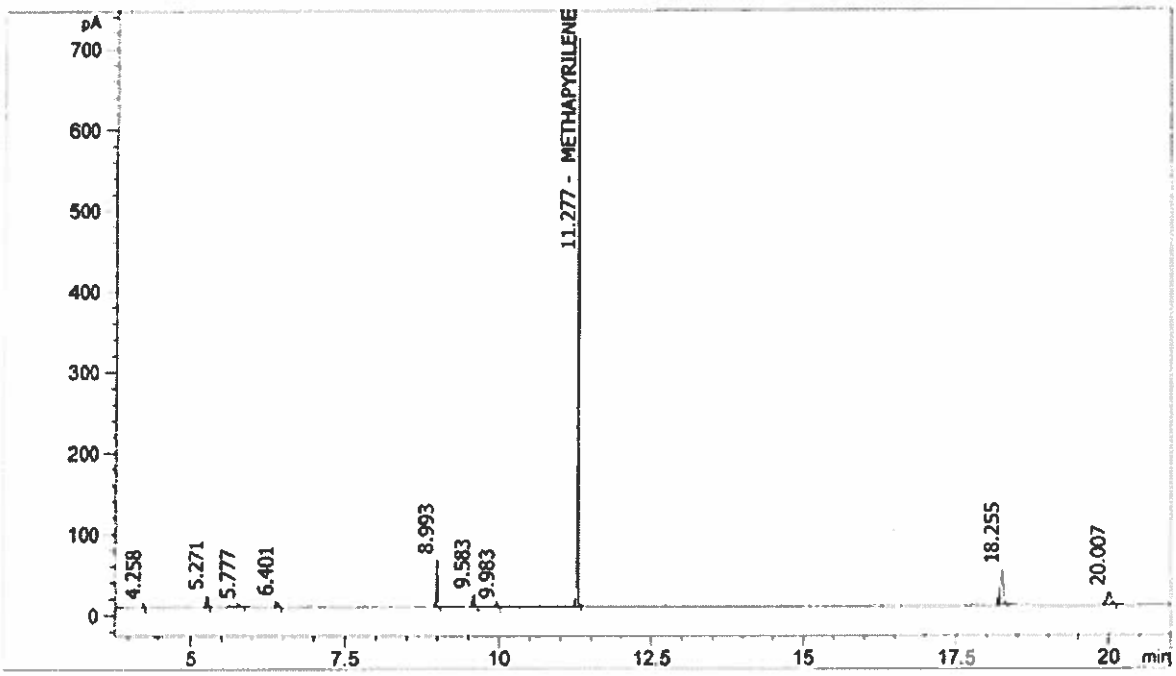


File :C:\Users\TOX\Desktop\092821\042.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 29 Sep 2021 09:54 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX 2 W/ISTD ONLY - BLD
Misc Info :
Vial Number: 74



Injection Date: 9/29/2021 9:12:52 AM Seq Line: 49
Sample Name: MATRIX 2 W/ISTD ONLY -> Vial 50
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
11.277	11.278	805.740	699.676	1.000000	METHAPYRILENE

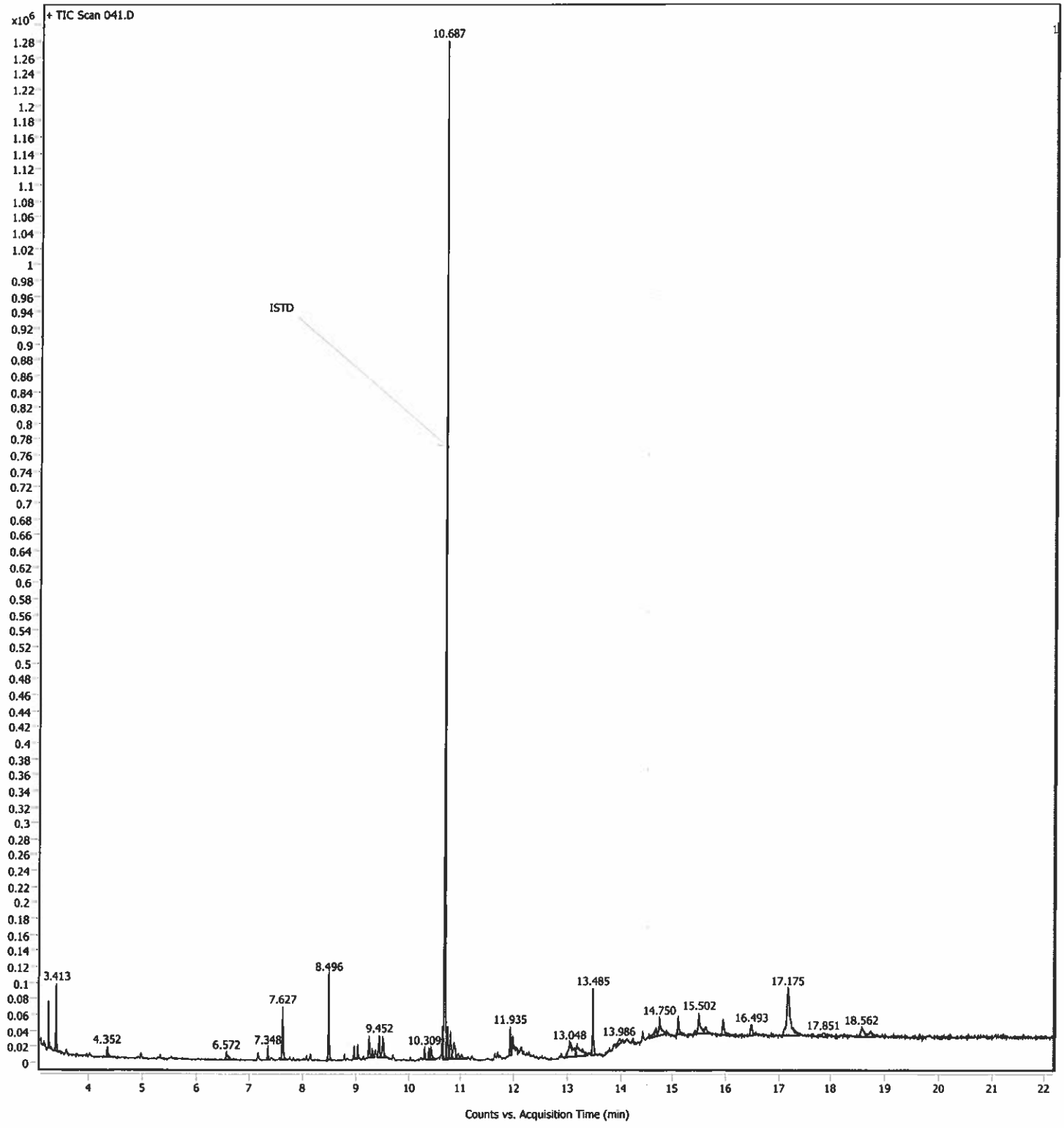
Analysis Report

Agilent

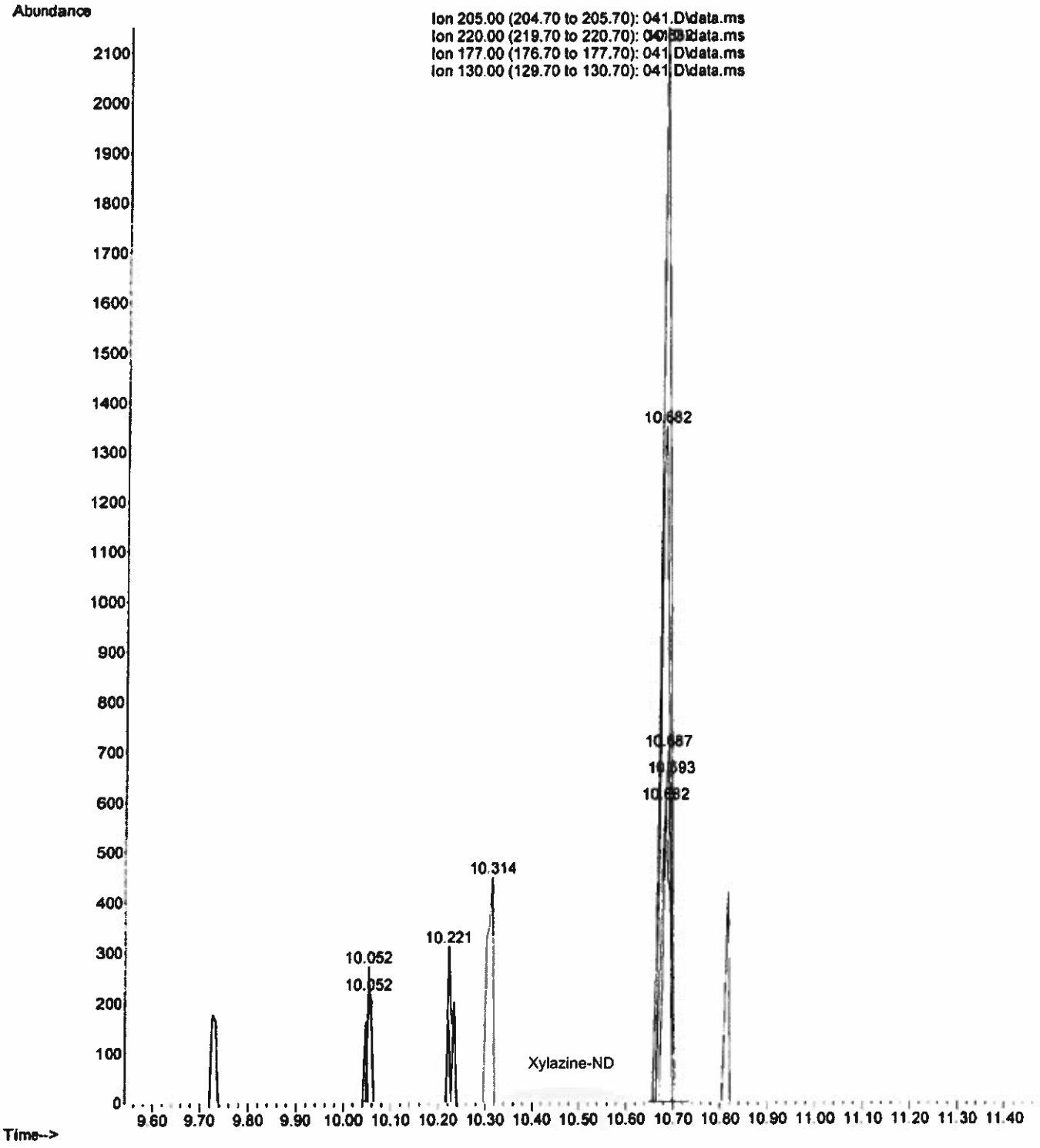
Sample Information

Sample Name	MATRIX 1 W/ISTD ONLY - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\041.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 9:28:54 AM (UTC-04:00)
Position	73	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



File :C:\Users\TOX\Desktop\092821\041.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 29 Sep 2021 09:28 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX 1 W/ISTD ONLY - BLD
Misc Info :
Vial Number: 73



Analysis Report

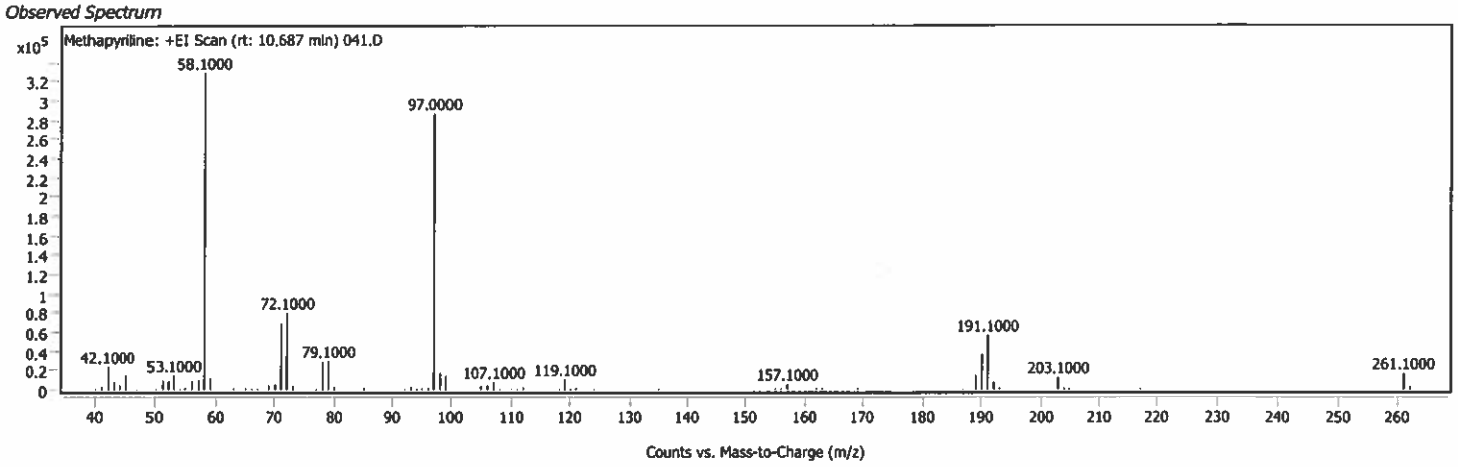
Agilent

Sample Spectra

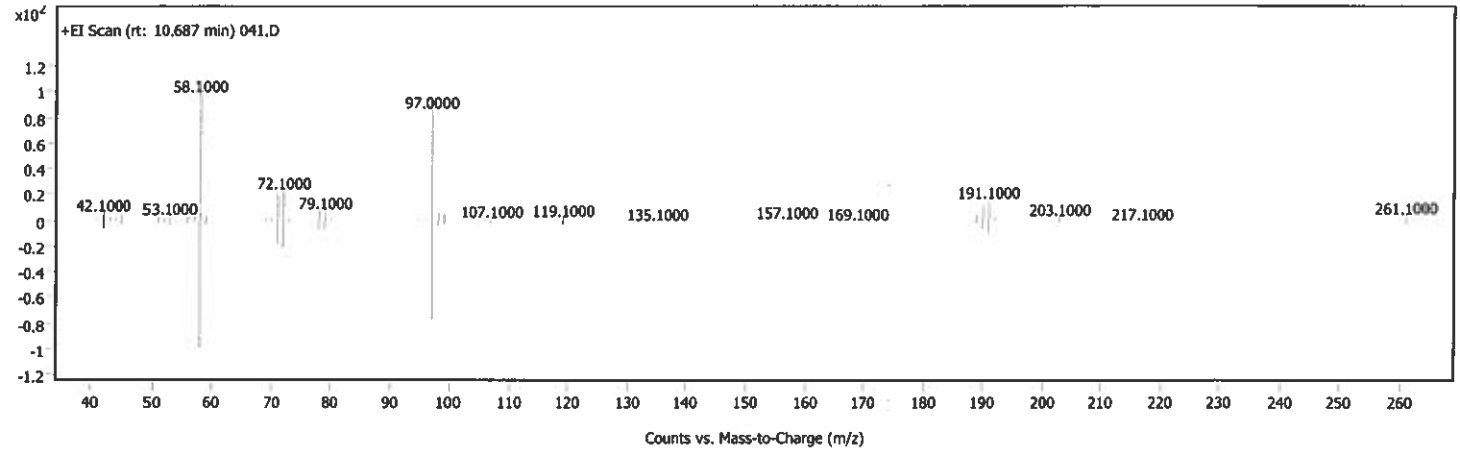
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.19	SWGDRUG 3.3.L	MATRIX 1 W/ISTD ONLY - BLD	KM/QC DATA IN XYLAZINE VALIDATION

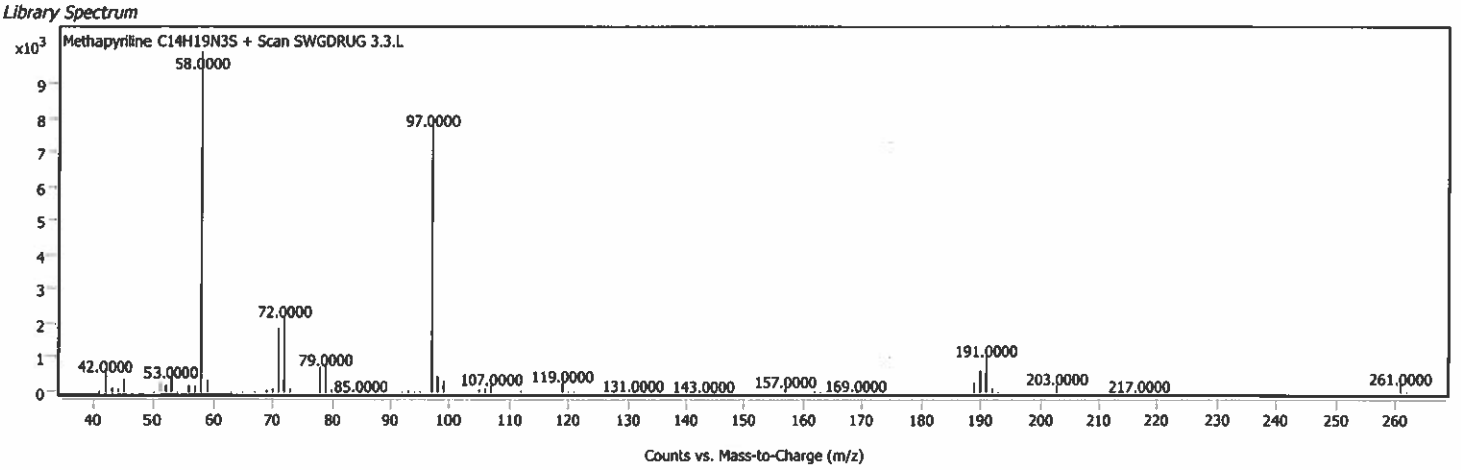
Observed Spectrum



Mirror Plot

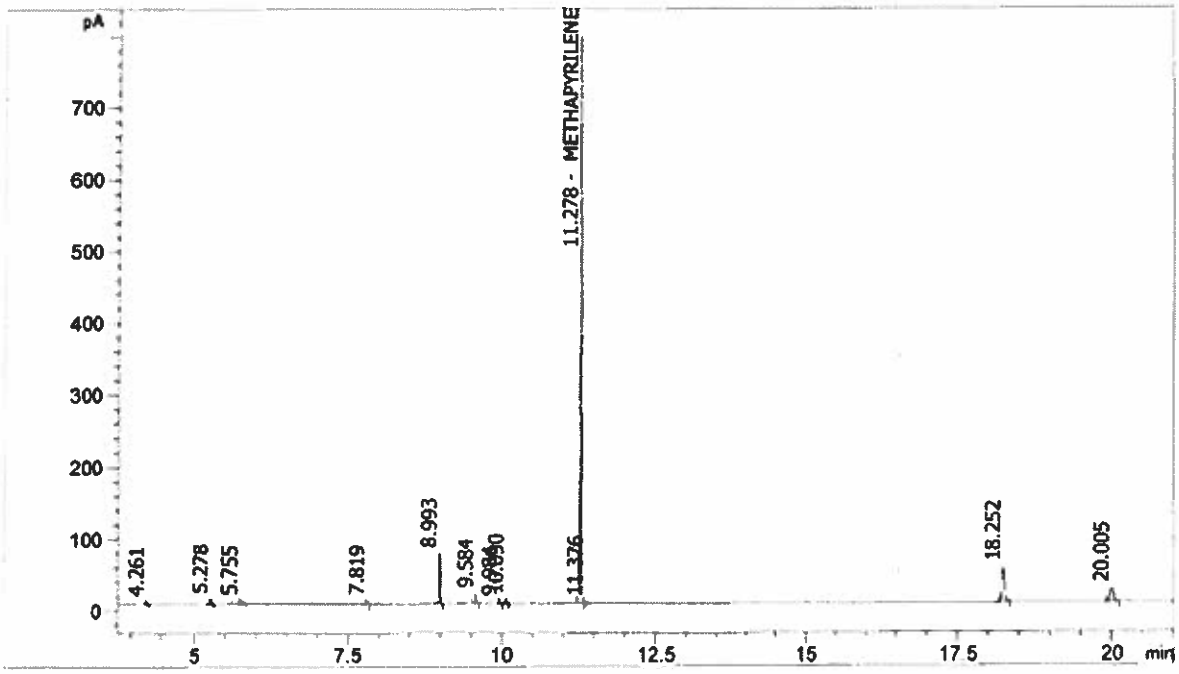


Library Spectrum



Injection Date: 9/29/2021 8:48:31 AM Seq Line: 48
Sample Name: MATRIX 1 W/ISTD ONLY -> Vial 49
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
11.278	11.278	917.259	787.908	1.000000	METHAPYRILENE

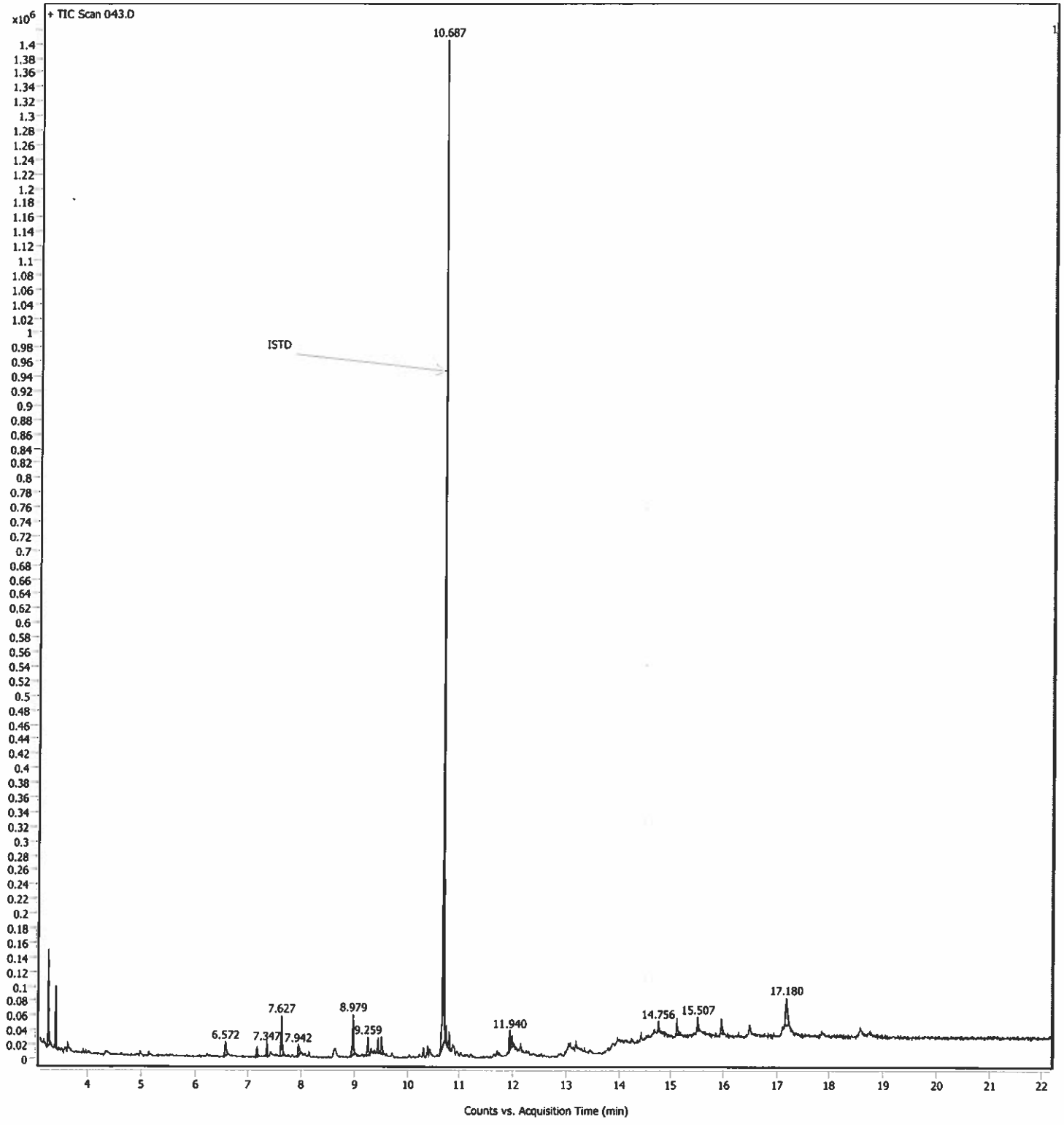
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 W/ISTD ONLY- URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\043.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 10:20:37 AM (UTC-04:00)
Position	75	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

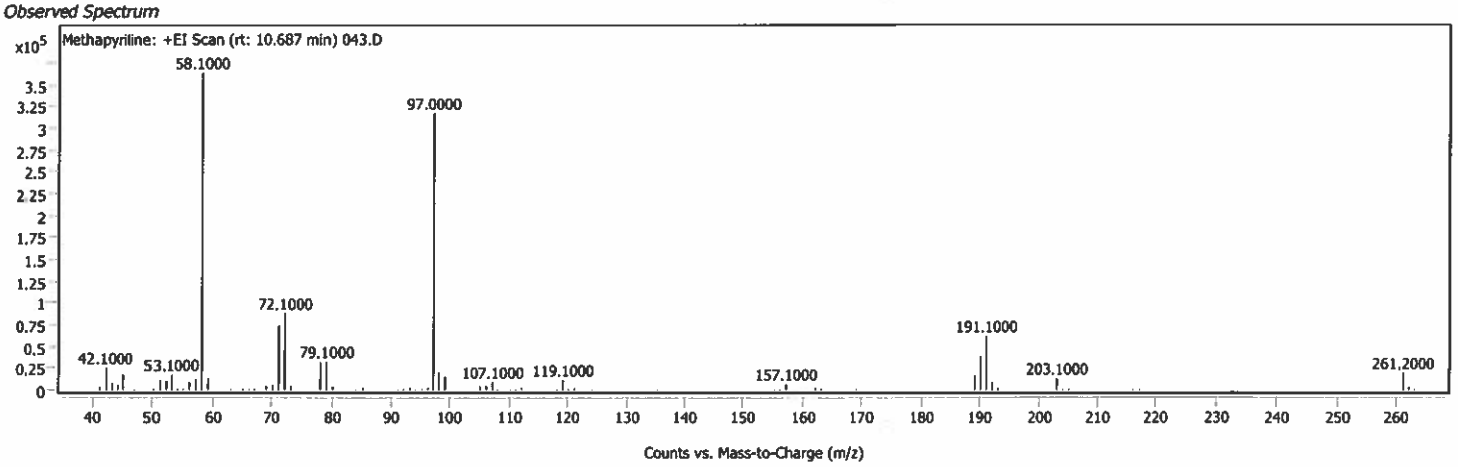
Agilent

Sample Spectra

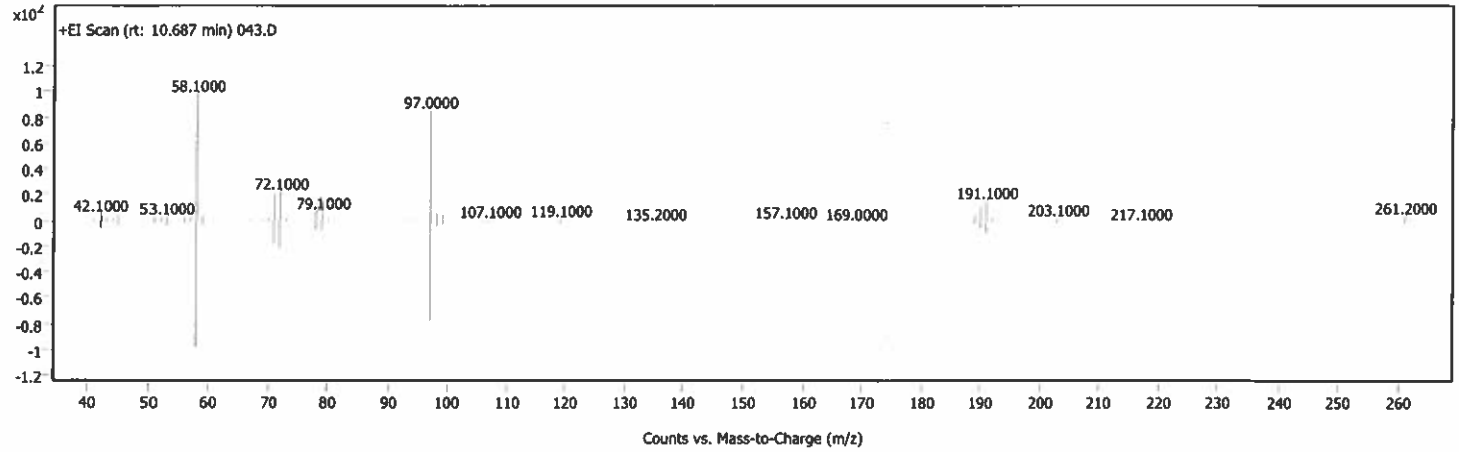
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.29	SWGDRUG 3.3.L	MATRIX 6 W/ISTD ONLY- URN	KM/QC DATA IN XYLAZINE VALIDATION

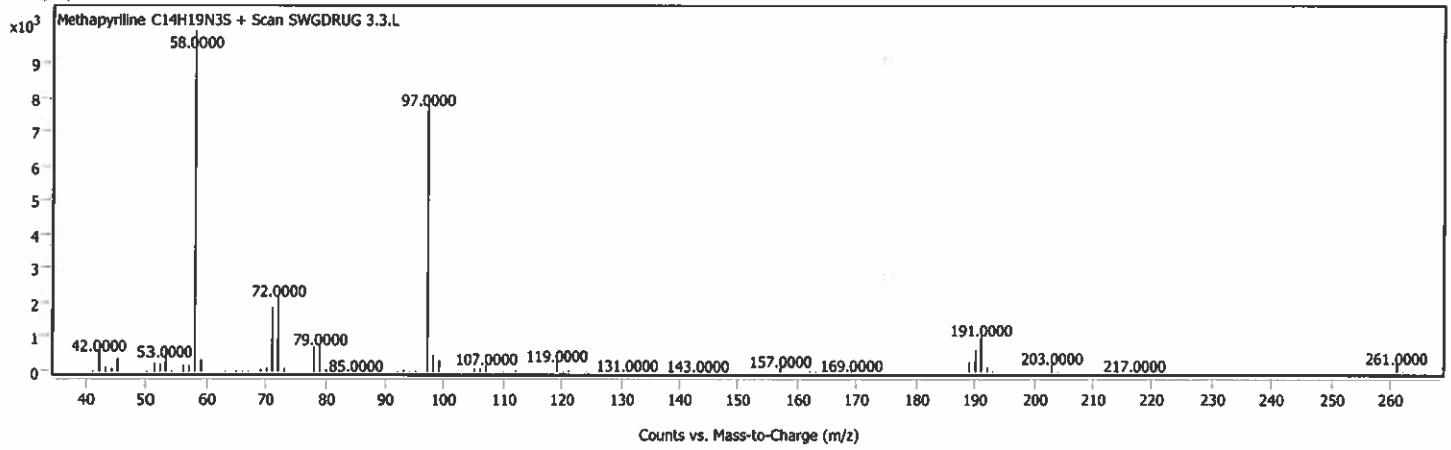
Observed Spectrum



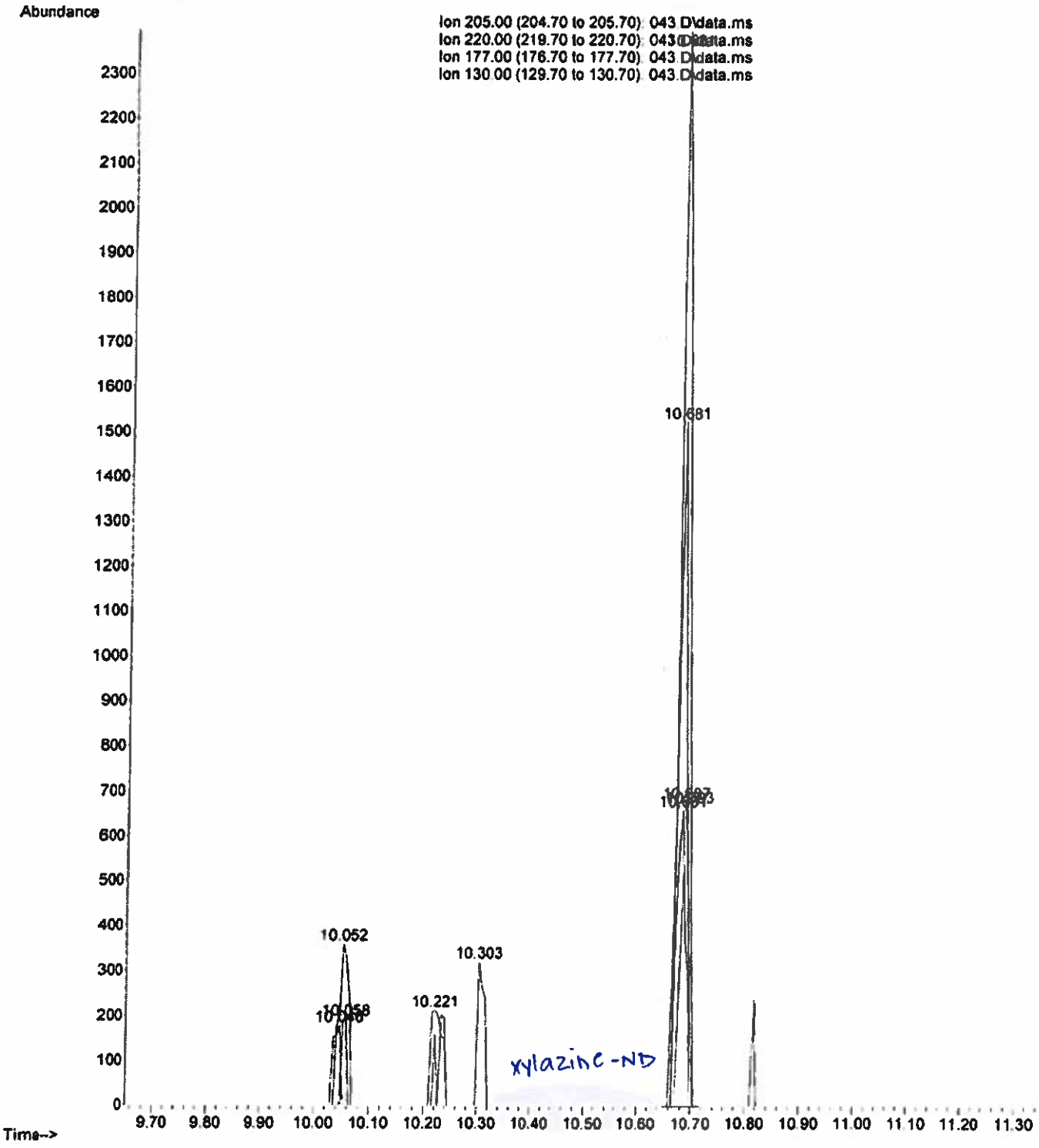
Mirror Plot



Library Spectrum

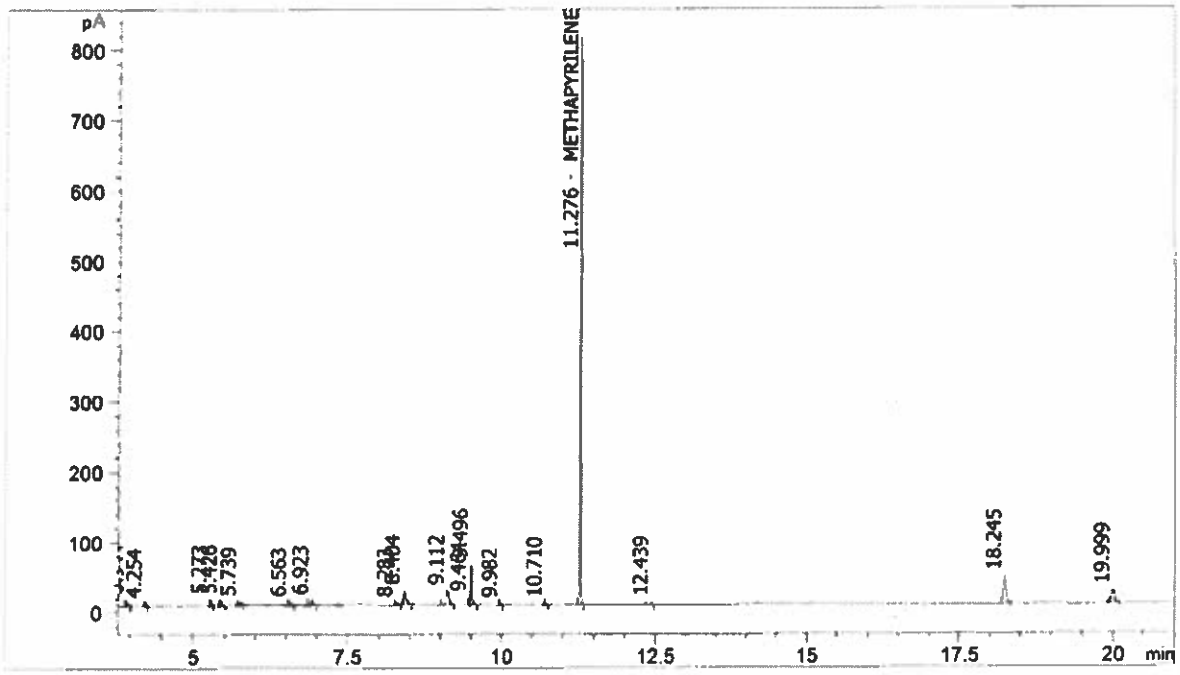


File :C:\Users\TOX\Desktop\092821\043.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 29 Sep 2021 10:20 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX 6 W/ISTD ONLY- URN
Misc Info :
Vial Number: 75



Injection Date: 9/29/2021 9:37:10 AM Seq Line: 50
Sample Name: MATRIX 6 W/ISTD ONLY--> Vial 81
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
11.276	11.278	916.839	806.497	1.000000	METHAPYRILENE

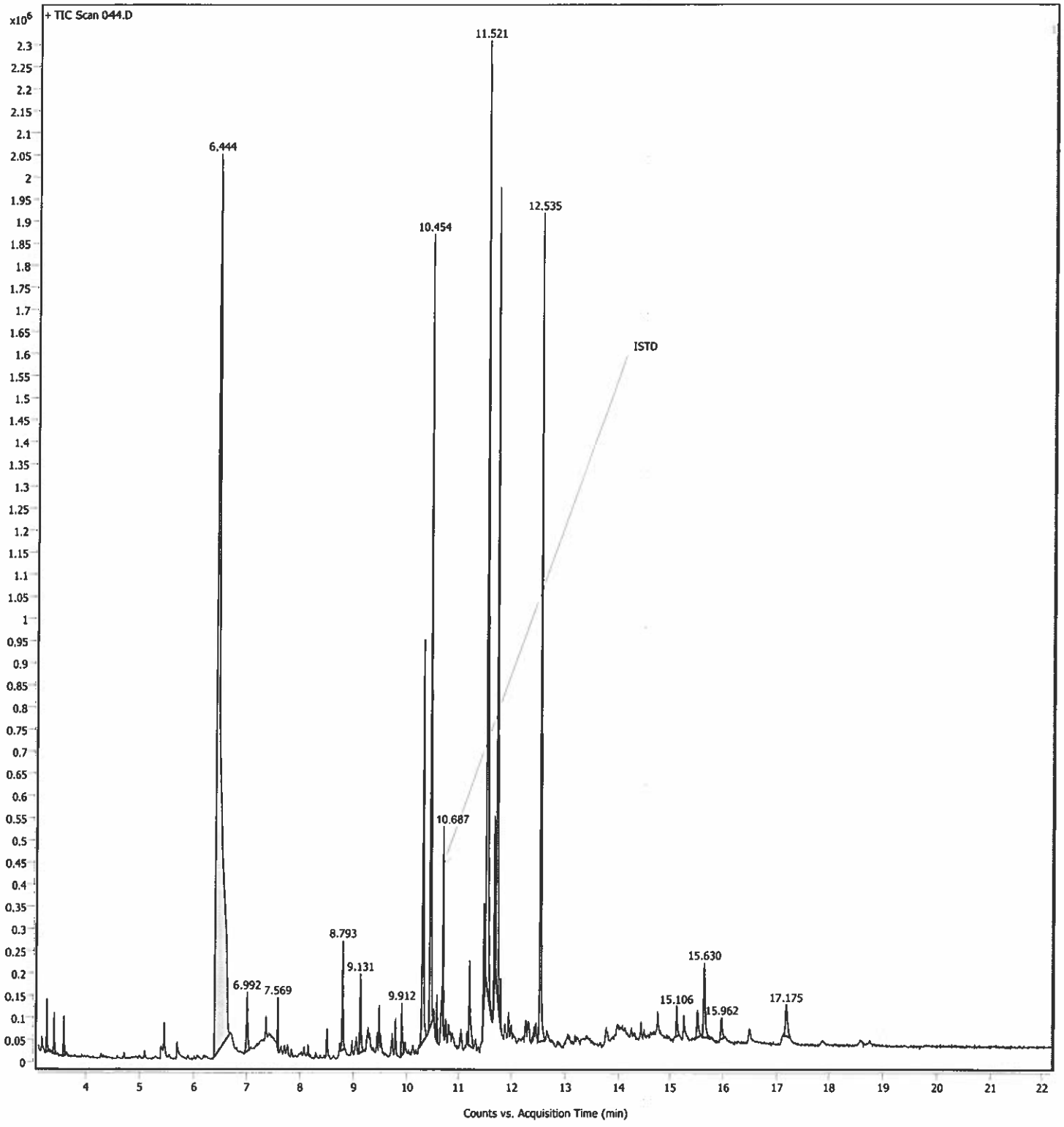
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 10 W/ISTD ONLY- LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\044.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 10:46:27 AM (UTC-04:00)
Position	76	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

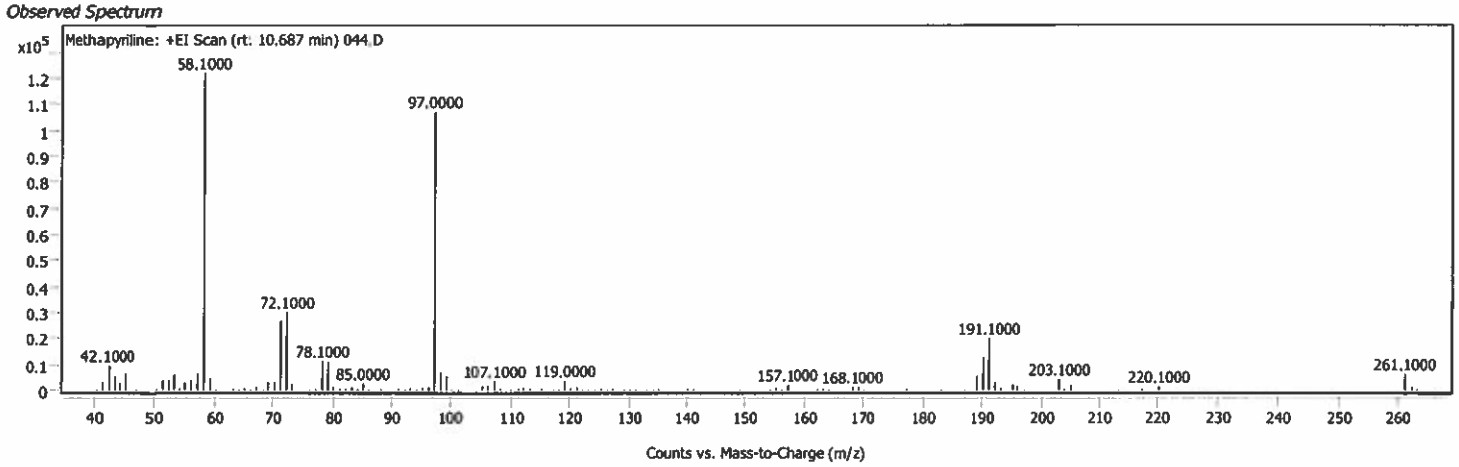
Agilent

Sample Spectra

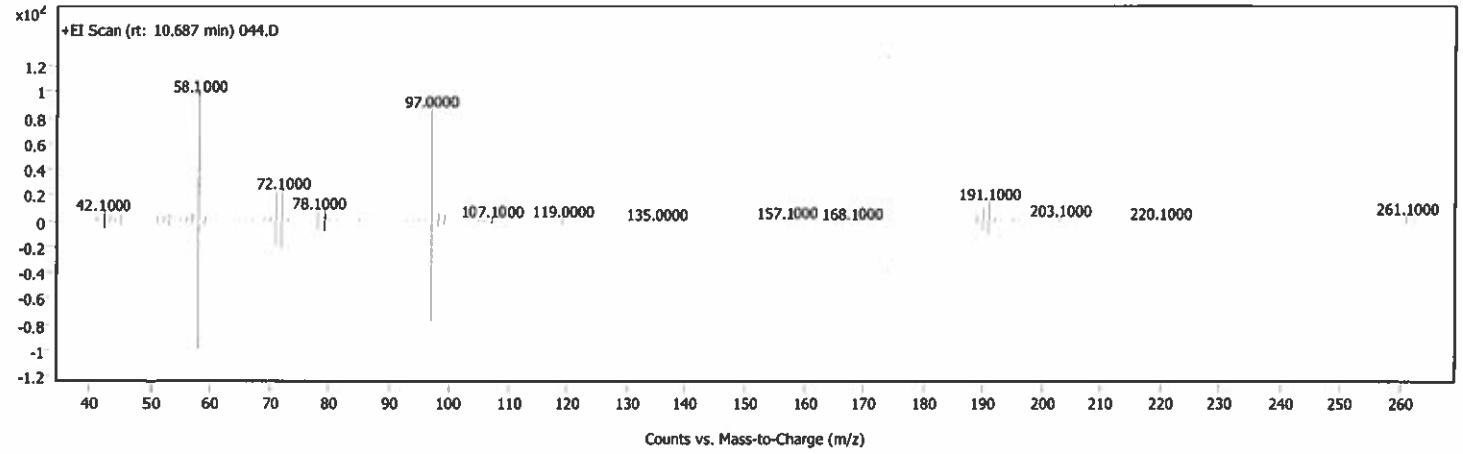
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	92.98	SWGDRUG 3.3.L	MATRIX 10 W/ISTD ONLY- LVR	KM/QC DATA IN XYLAZINE VALIDATION

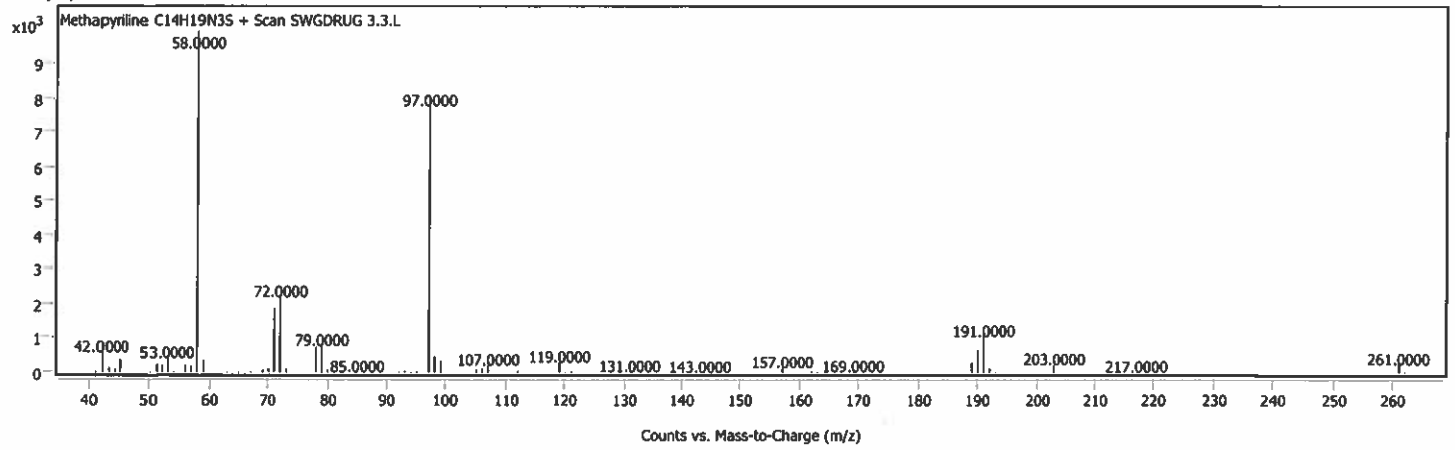
Observed Spectrum



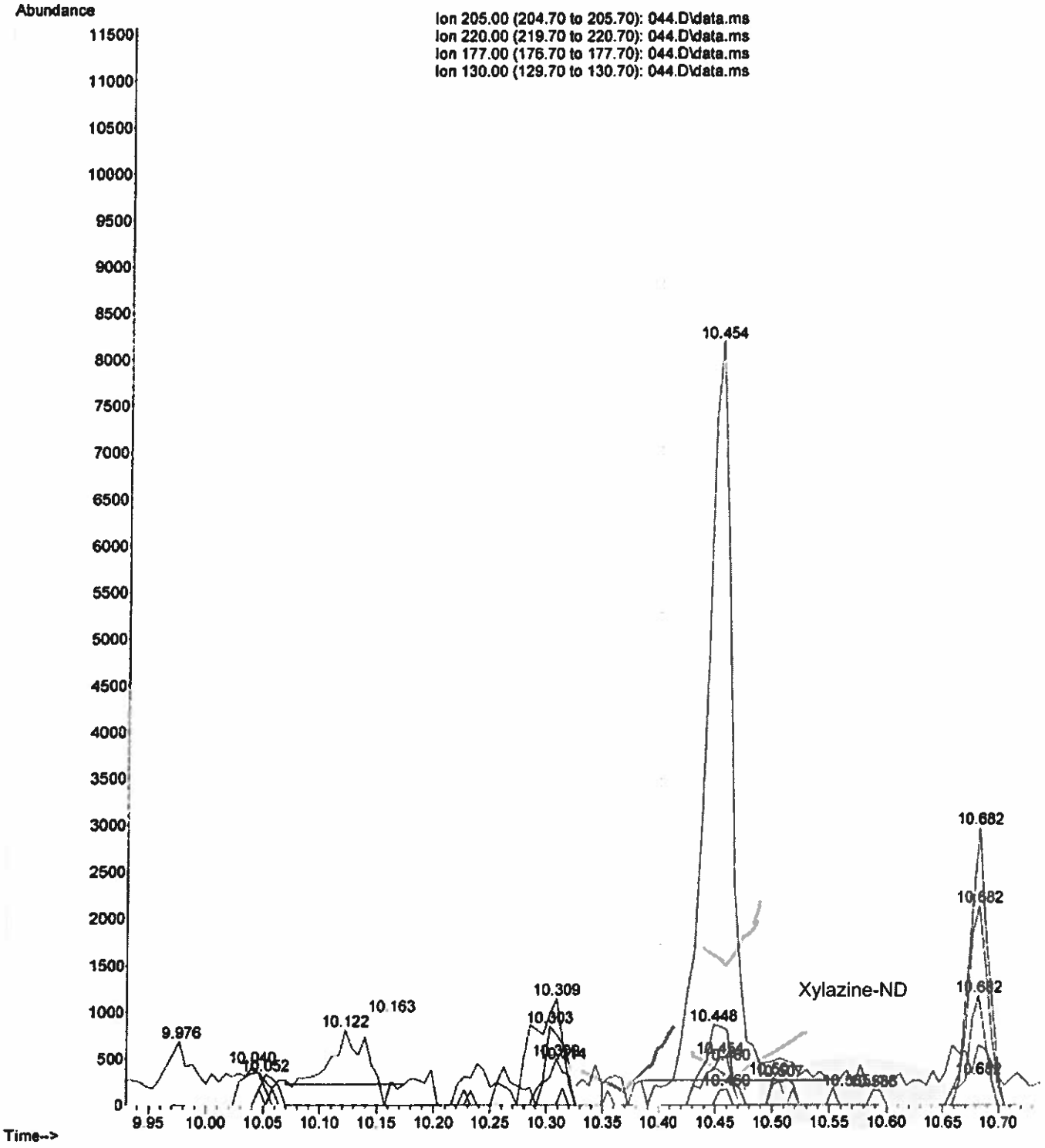
Mirror Plot



Library Spectrum



File :C:\Users\TOX\Desktop\092821\044.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 29 Sep 2021 10:46 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX 10 W/ISTD ONLY- LVR
Misc Info :
Vial Number: 76



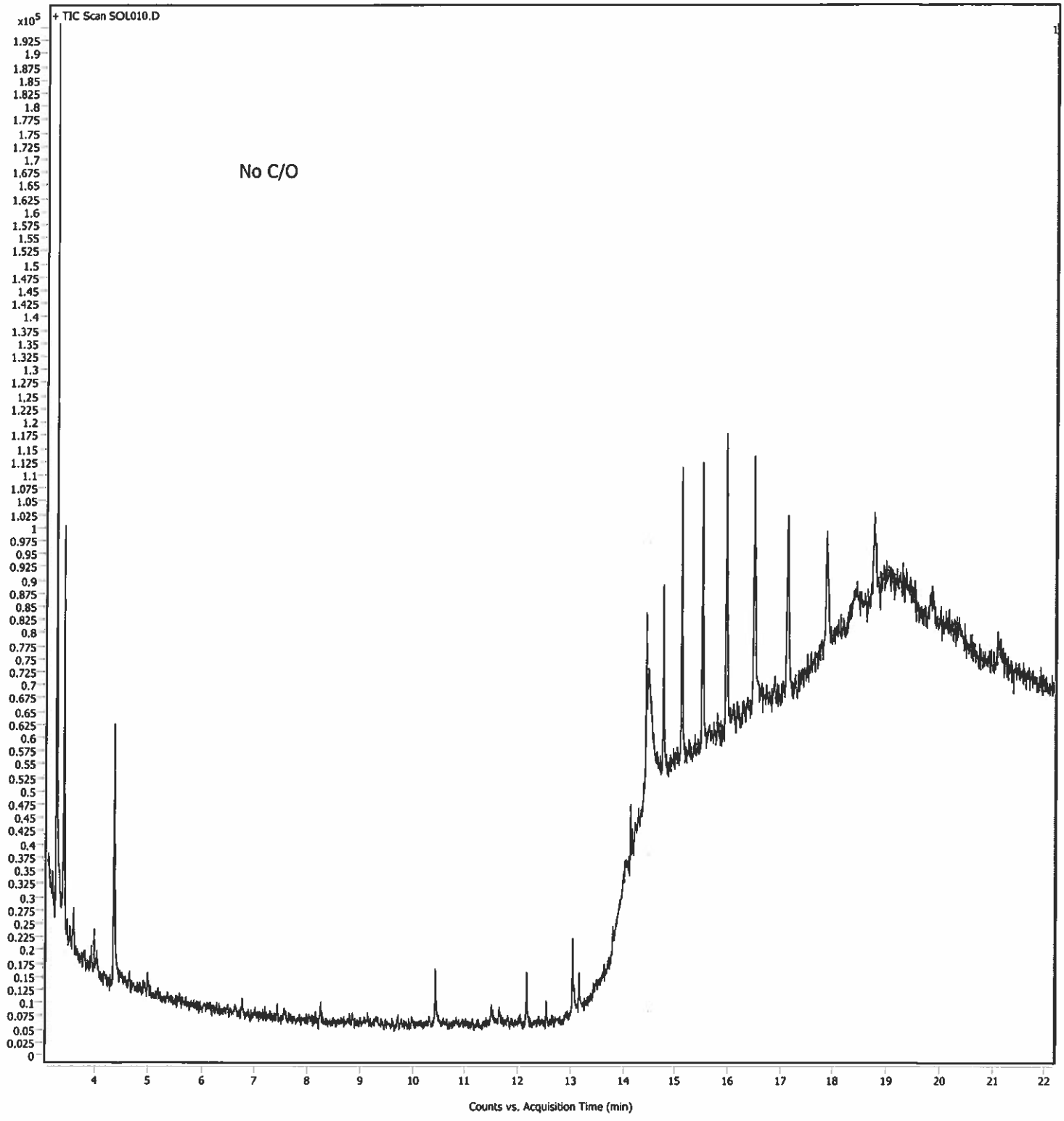
Analysis Report

Agilent

Sample Information

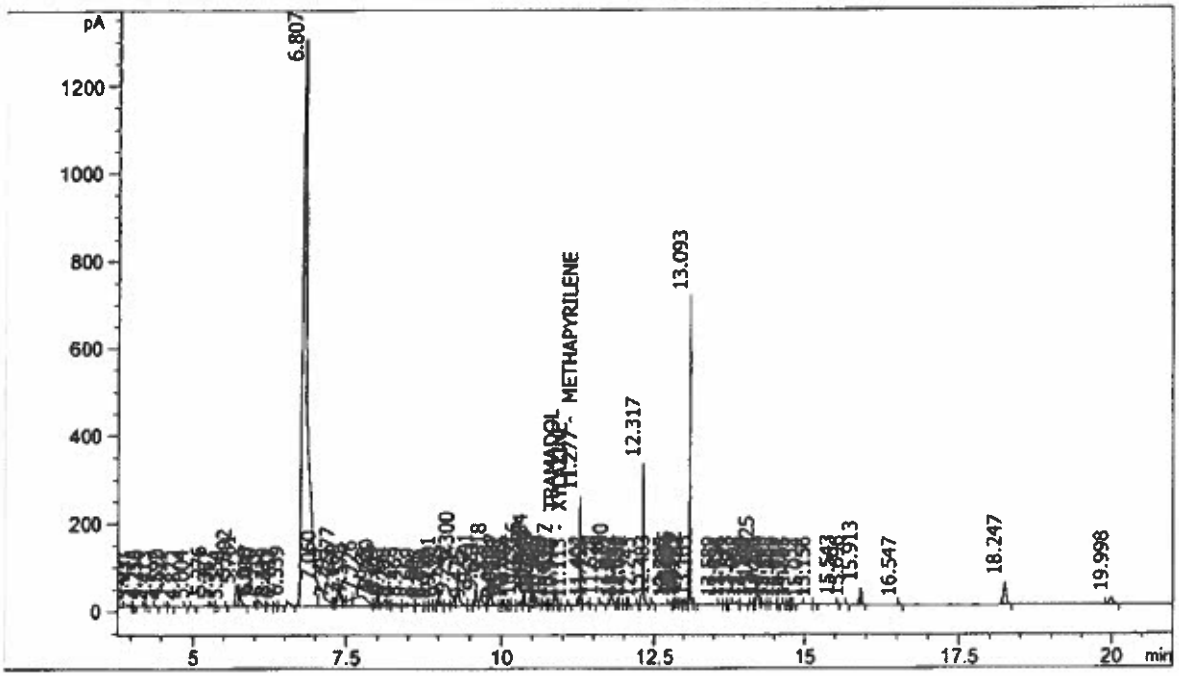
Sample Name	SOLVENT AFTER MATRIX 10	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092321\SOL010.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/23/2021 5:44:18 PM (UTC-04:00)
Position	54	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Injection Date: 9/29/2021 10:01:28 AM Seq Line: 51
Sample Name: MATRIX 10 W/ISTD ONLY-> Vial 82
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION

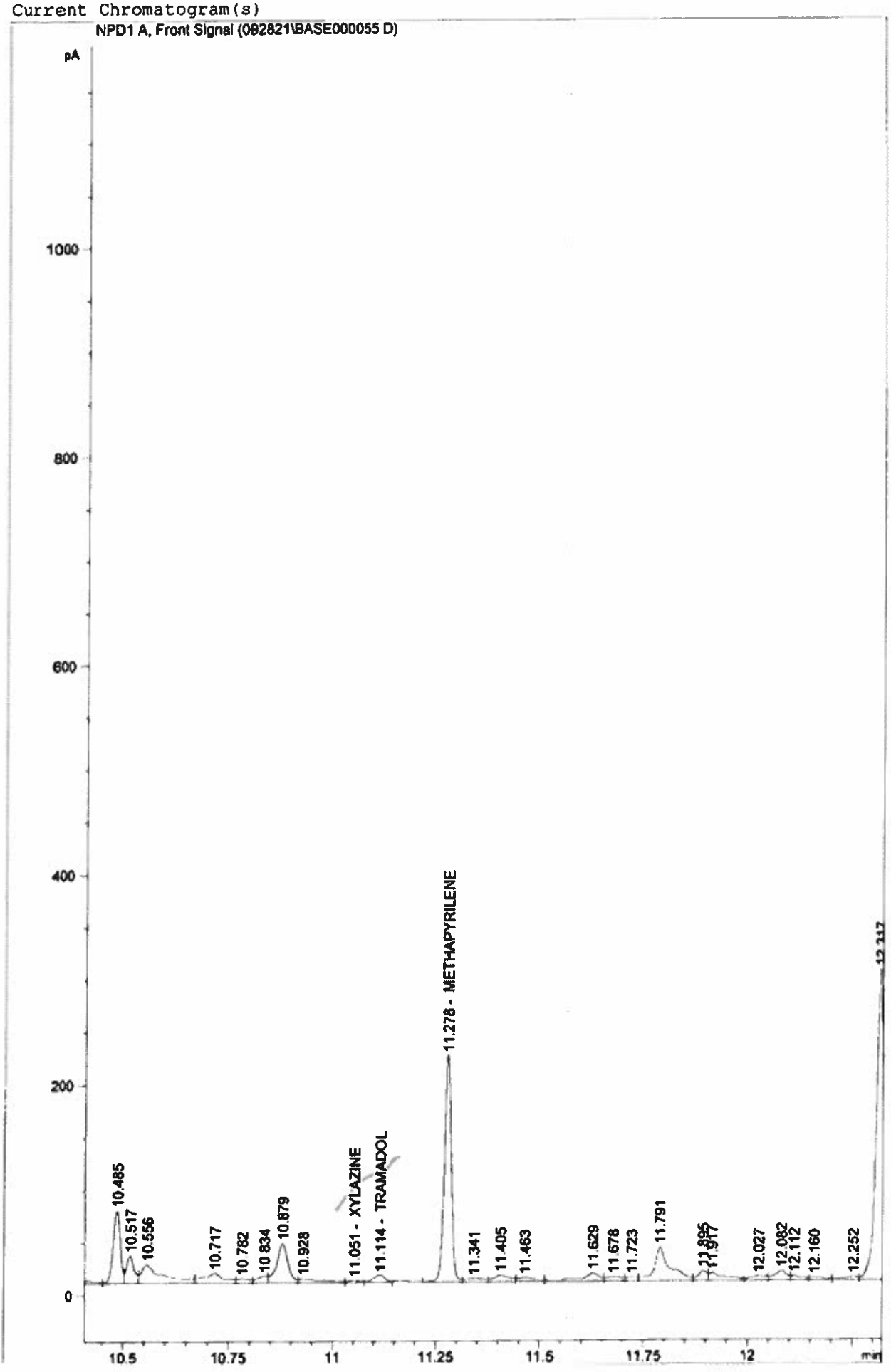


see expanded chromatogram on following page

RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
10.978	11.033	5.145	2.034	0.000000	TRAMADOL
11.113	11.046	5.260	2.223	0.000000	XYLAZINE
11.277	11.278	292.603	246.618	1.000000	METHAPYRILENE

> ND

Current Chromatogram(s)



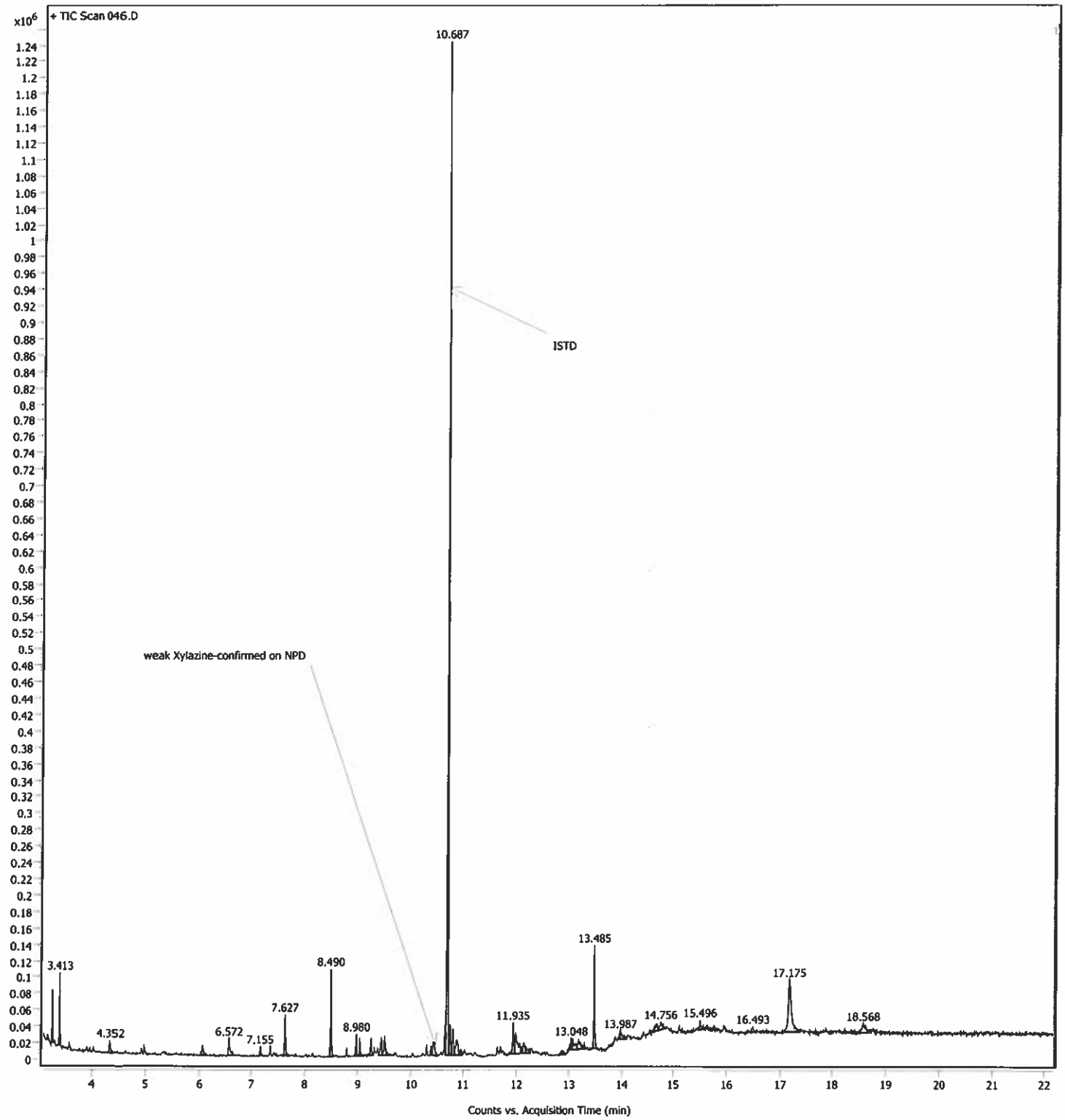
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2/W ISTD 0.010 mg/L-BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\046.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 11:38:09 AM (UTC-04:00)
Position	78	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



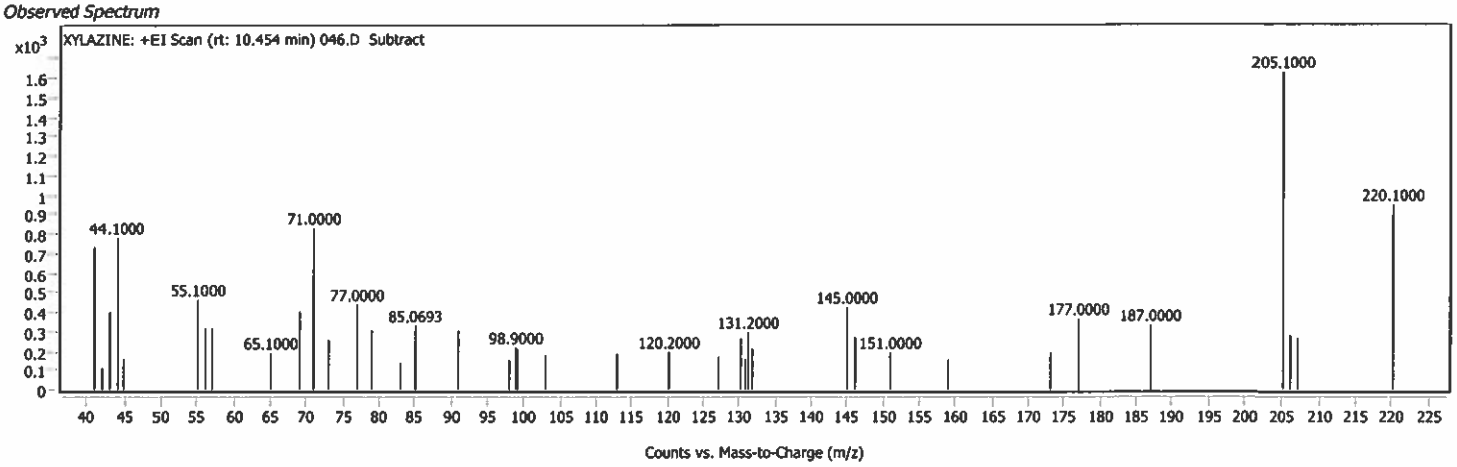
Analysis Report

Agilent

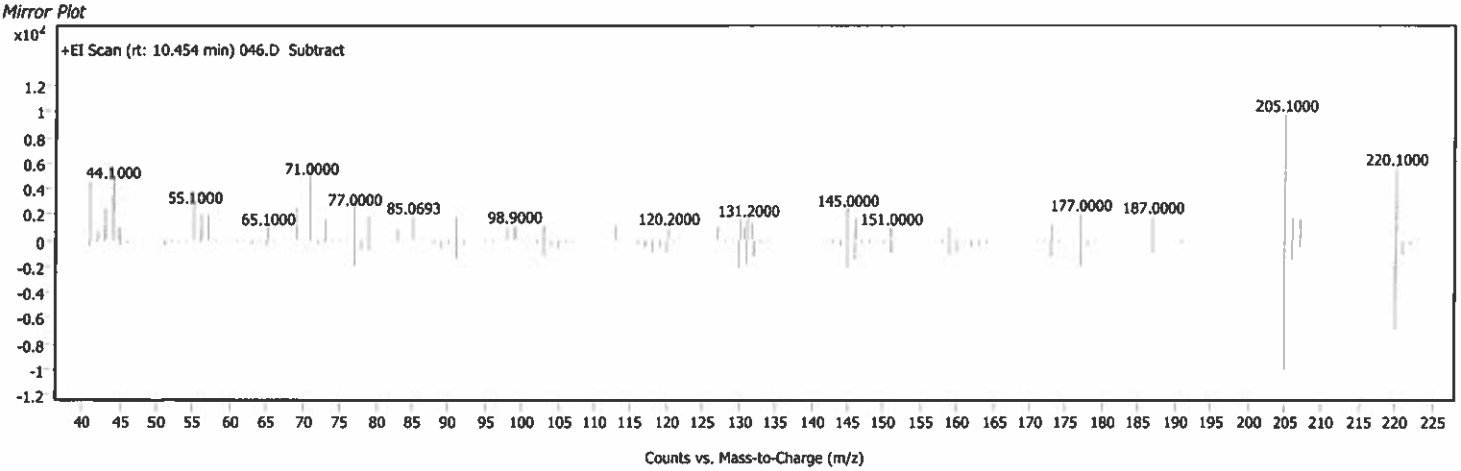
+ Scan (rt: 10.454 min) Sub **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	61.46	aafs.l	MATRIX 2/W ISTD 0.010 mg/L-BLD	KM/QC DATA IN XYLAZINE VALIDATION

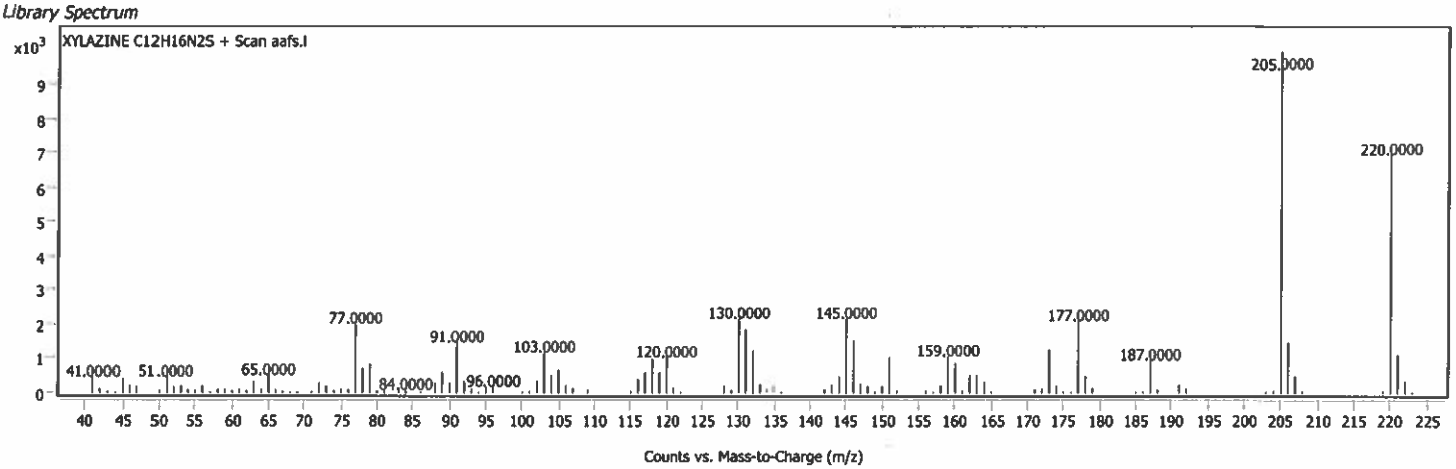
Observed Spectrum



Mirror Plot



Library Spectrum



Analysis Report

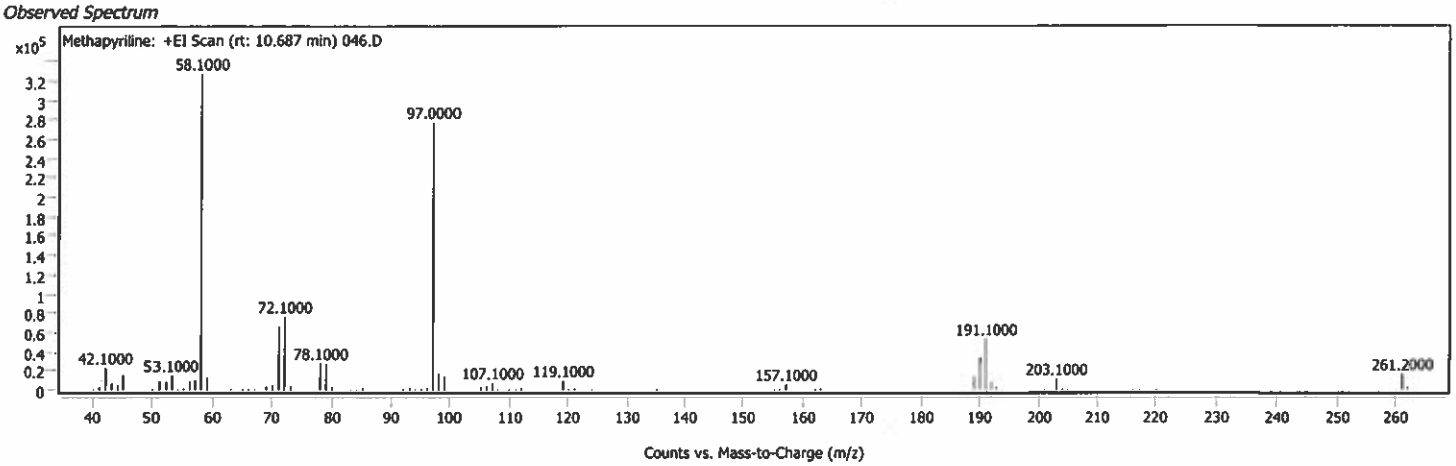
Agilent

Sample Spectra

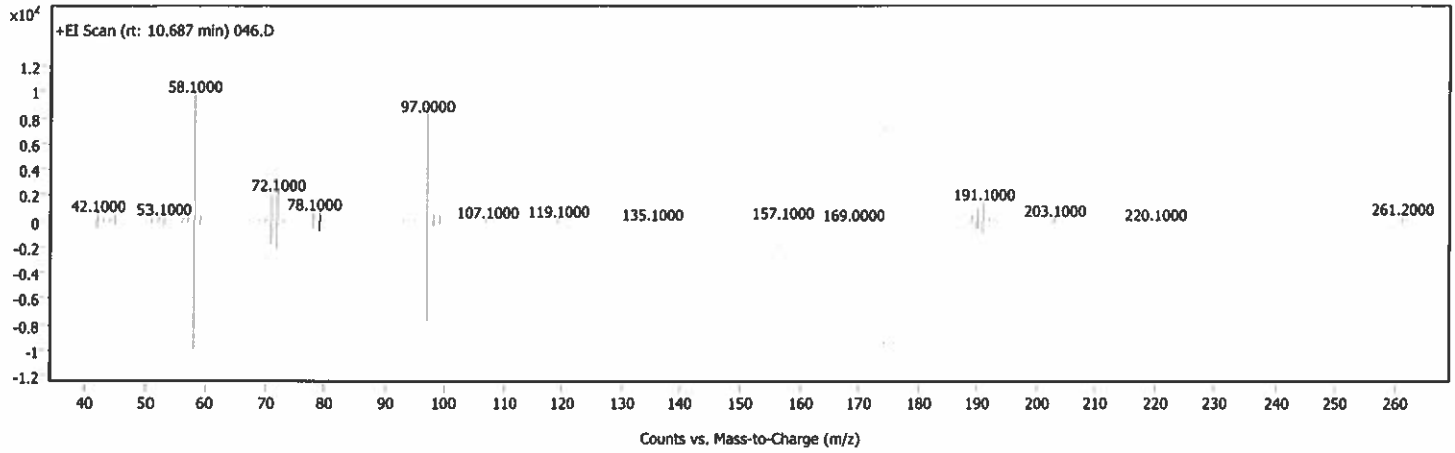
+ Scan (rt: 10.687 min) **Methapyrilline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.23	SWGDRUG 3.3.L	MATRIX 2/W ISTD 0.010 mg/L-BLD	KM/QC DATA IN XYLAZINE VALIDATION

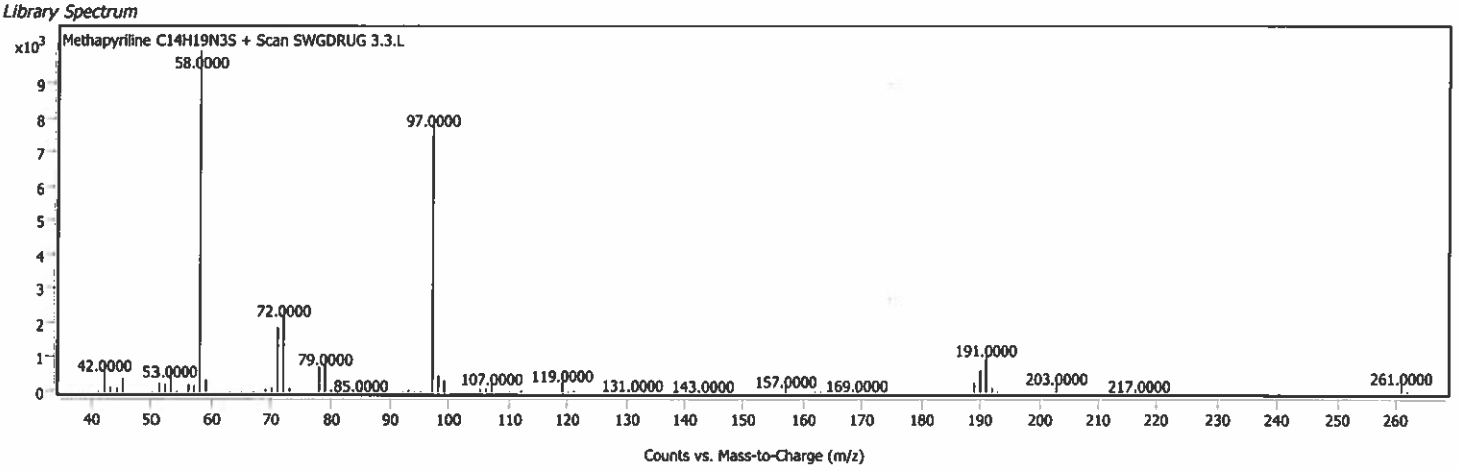
Observed Spectrum



Mirror Plot

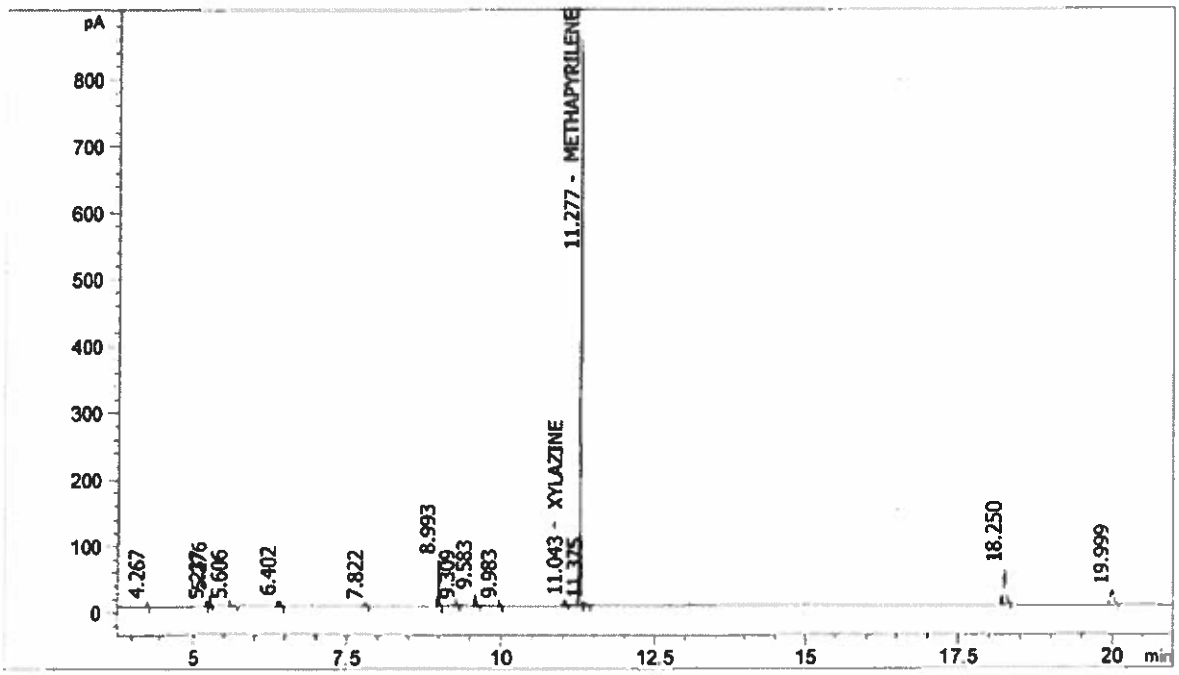


Library Spectrum



Injection Date: 9/29/2021 10:50:10 AM Seq Line: 53
Sample Name: MATRIX 2 W/ISTD 0.010-> Vial 84
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.043	11.046	8.733	7.203	0.000000	XYLAZINE RRT - 0.9792
11.277	11.278	968.931	852.123	1.000000	METHAPYRILENE

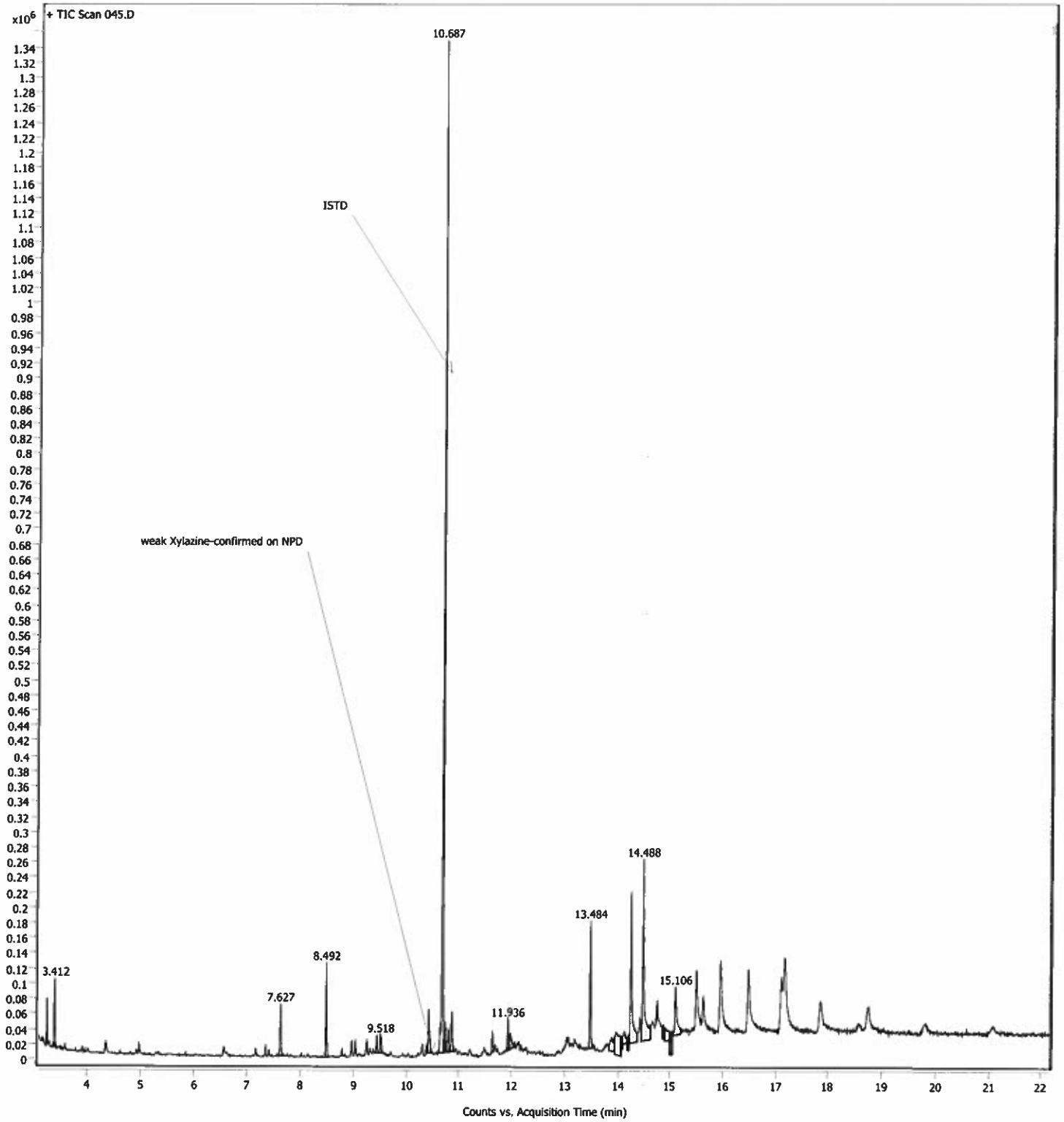
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 W/ISTD 0.010 mg/L - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\045.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 11:12:22 AM (UTC-04:00)
Position	77	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



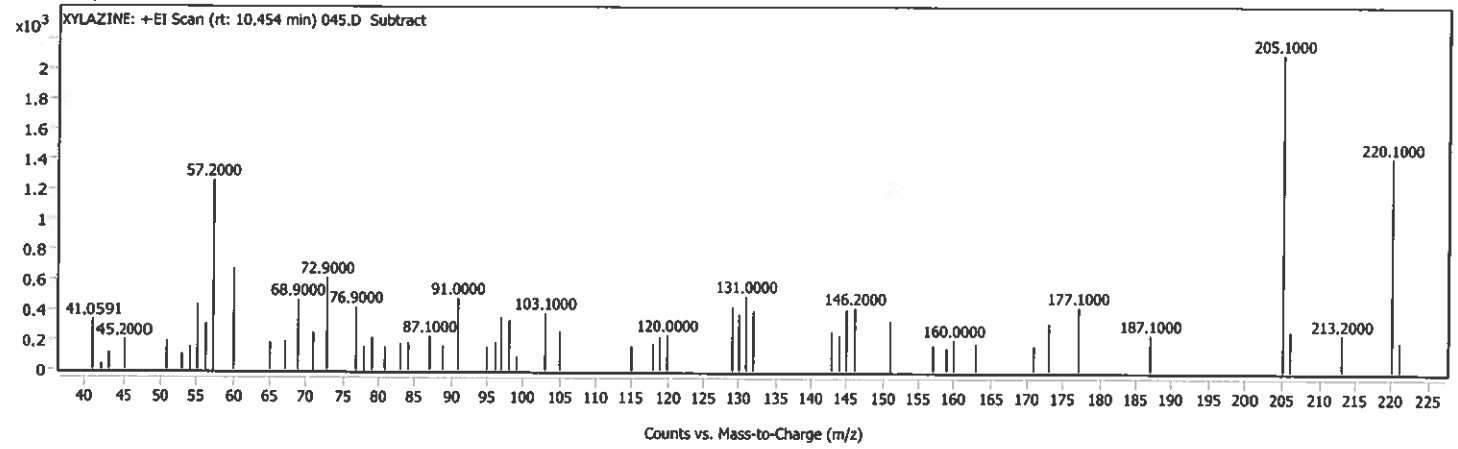
Analysis Report

Agilent

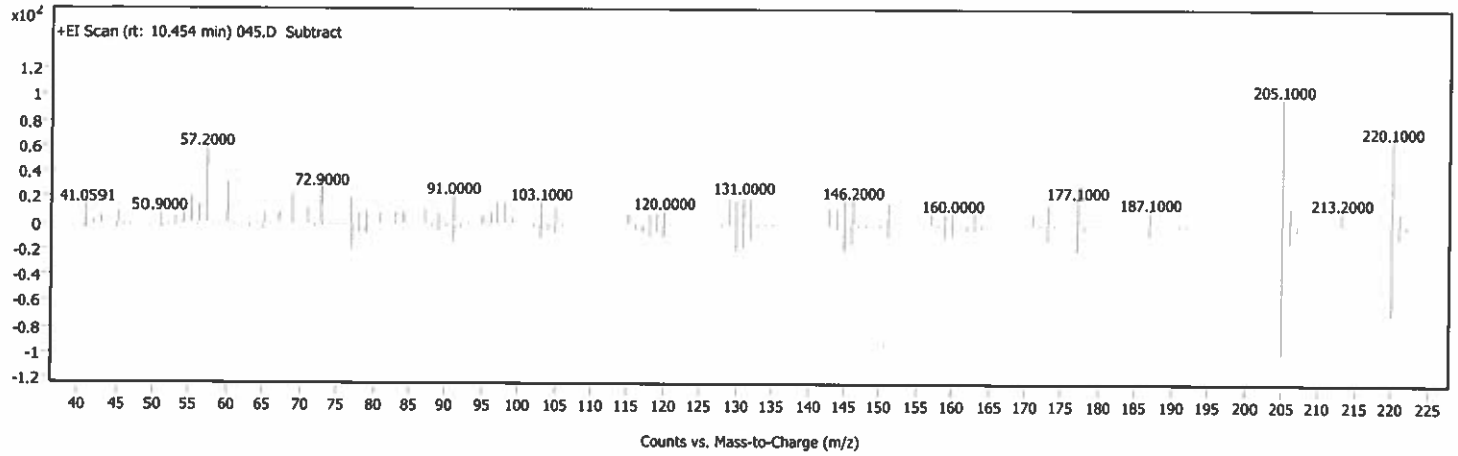
+ Scan (rt: 10.454 min) Sub **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	70.14	aafs.l	MATRIX 1 W/ISTD 0.010 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

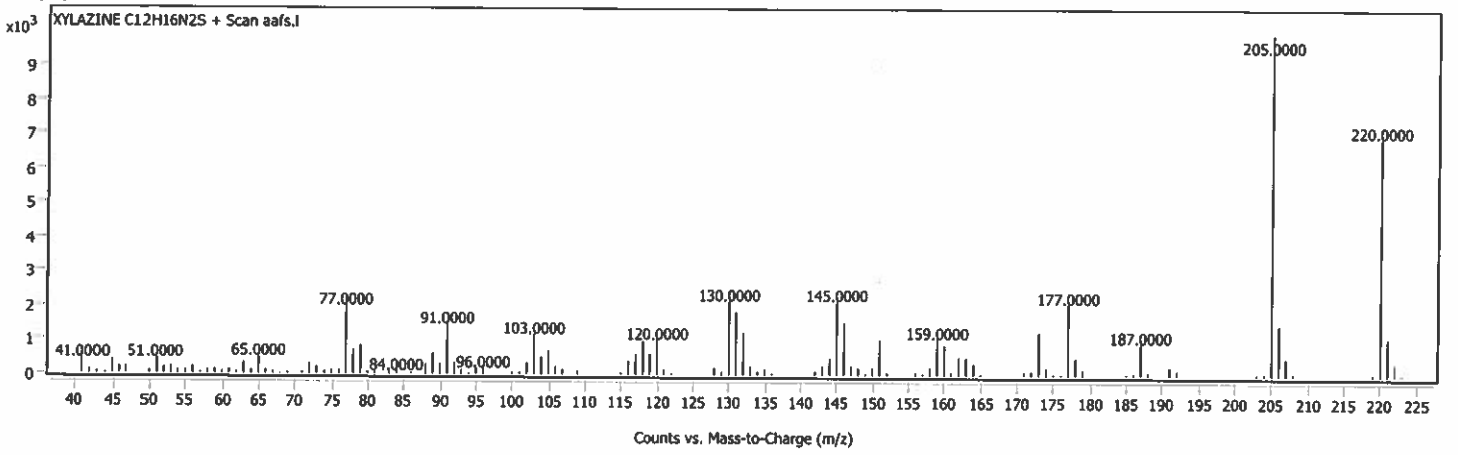
Observed Spectrum



Mirror Plot



Library Spectrum



Analysis Report

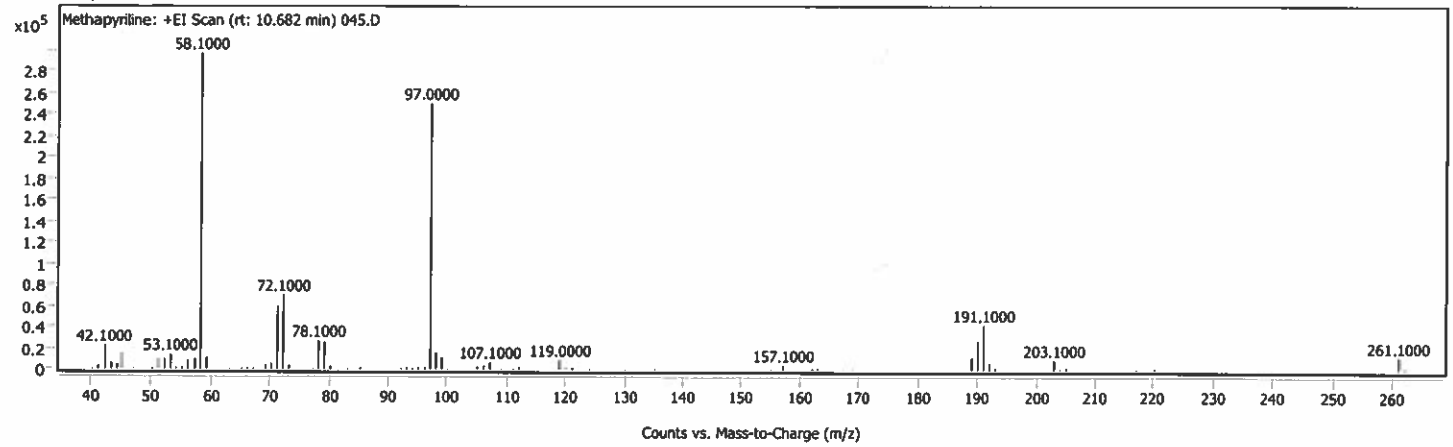
Agilent

Sample Spectra

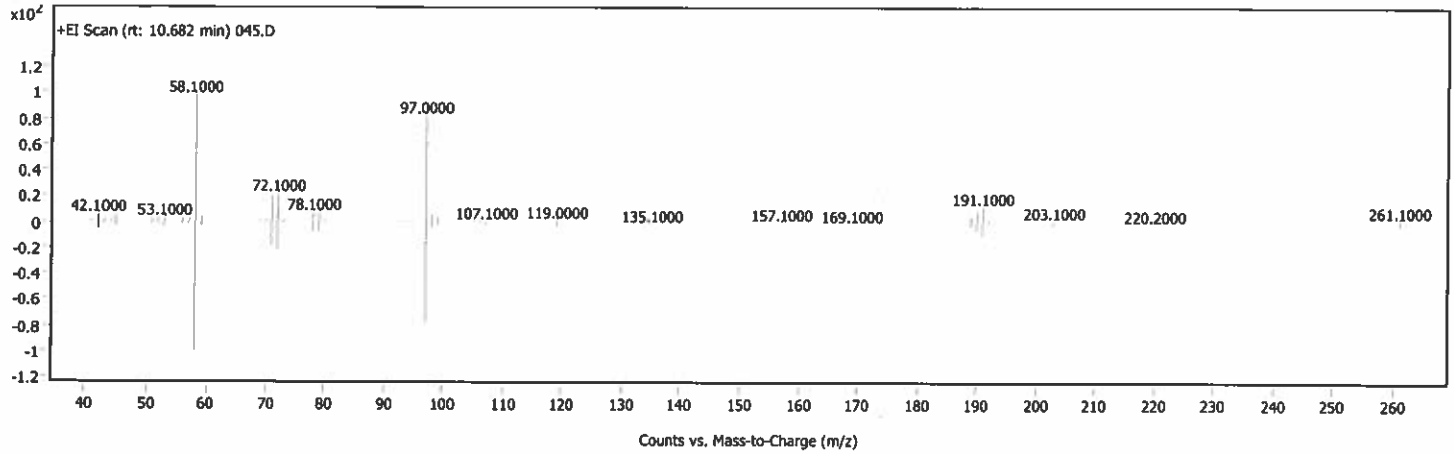
+ Scan (rt: 10.682 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.38	SWGDRUG 3.3.L	MATRIX 1 W/ISTD 0.010 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

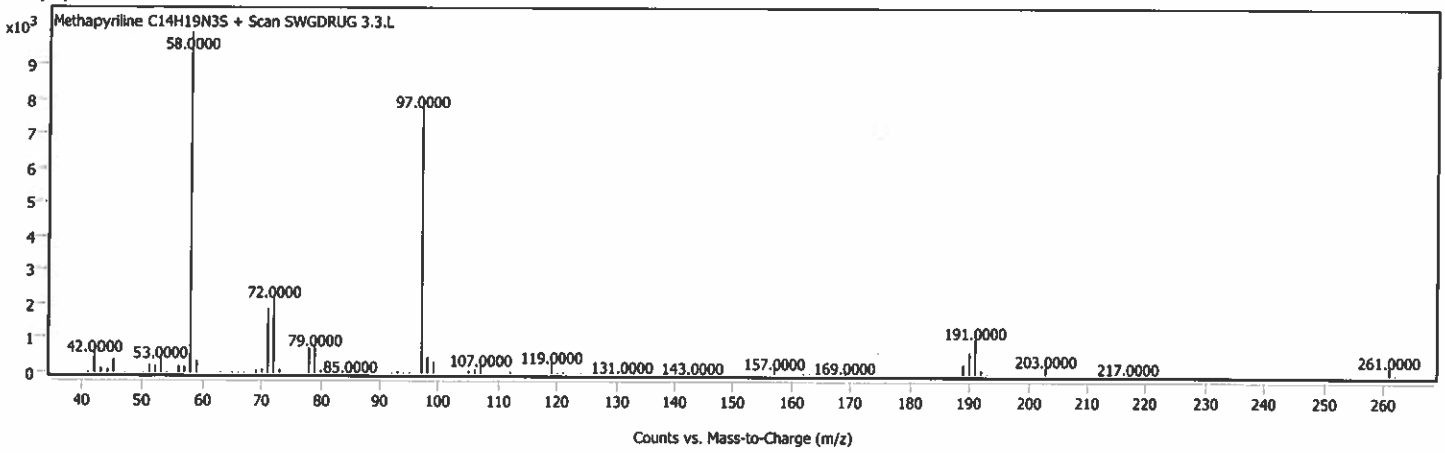
Observed Spectrum



Mirror Plot

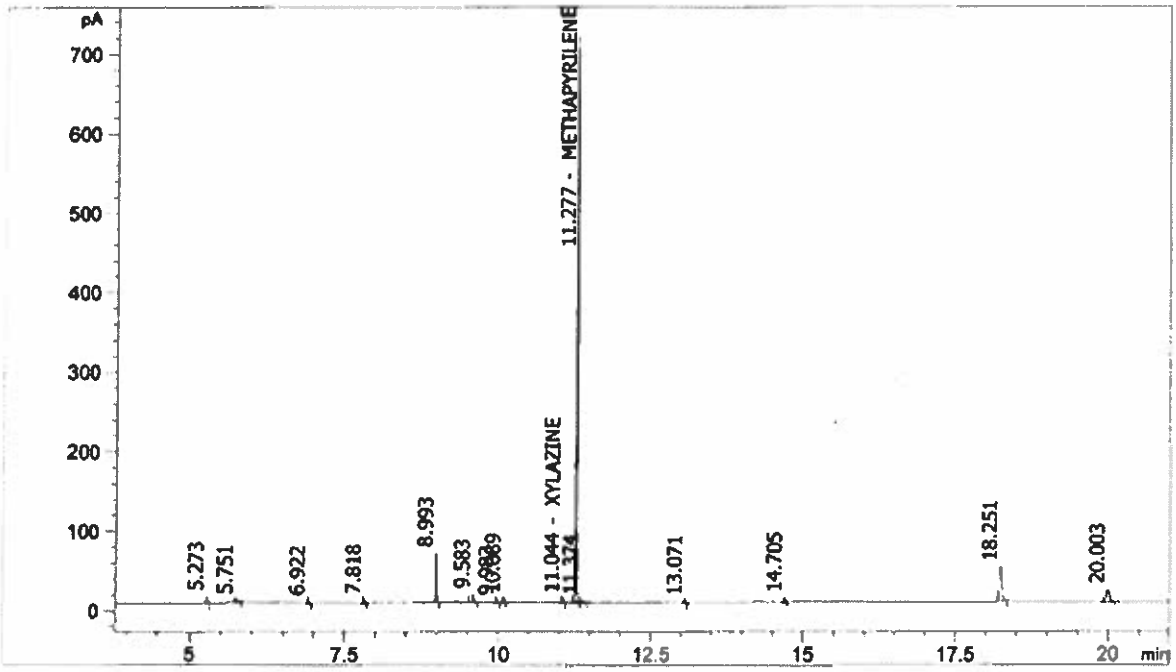


Library Spectrum



Injection Date: 9/29/2021 10:25:52 AM Seq Line: 52
Sample Name: MATRIX 1 W/ISTD 0.010-> Vial 83
Sample Info:

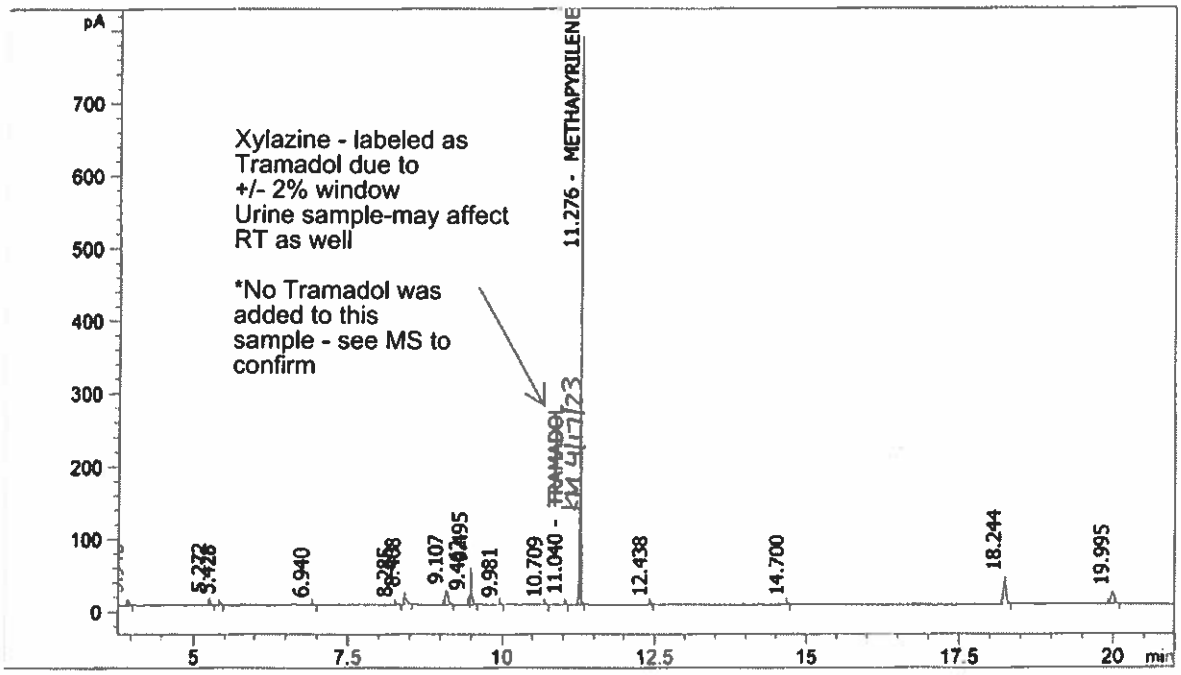
Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.044	11.046	6.392	5.359	0.000000	XYLAZINE RRT - 0.9793
11.277	11.278	802.430	712.589	1.000000	METHAPYRILENE

Injection Date: 9/29/2021 11:14:27 AM Seq Line: 54
Sample Name: MATRIX 6 W/ISTD 0.010-> Vial 85
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.040	11.033	7.259	6.226	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE RRT - 0.9791
11.276	11.278	890.075	779.668	1.000000	METHAPYRILENE

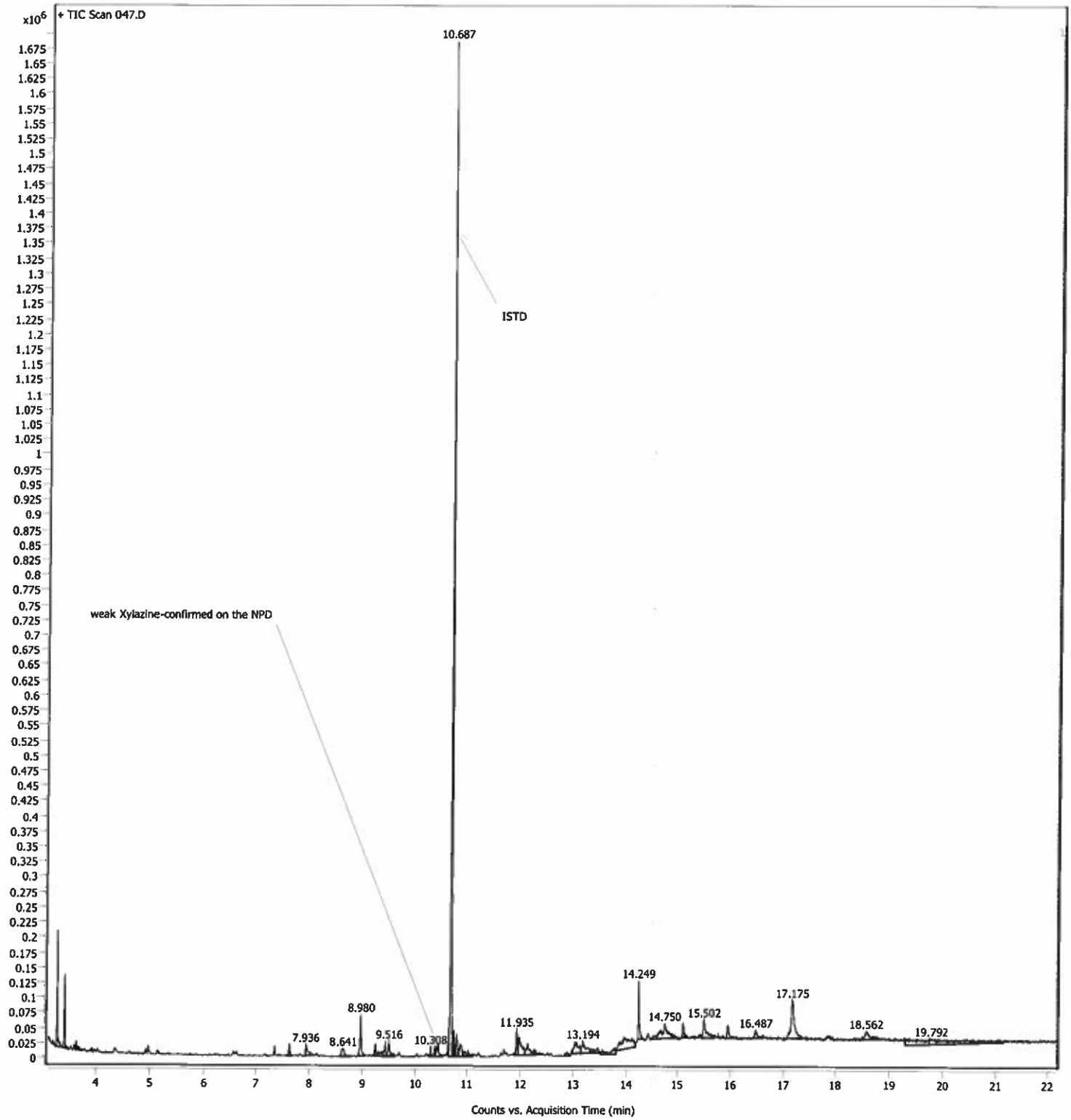
Analysis Report

Agilent

Sample Information

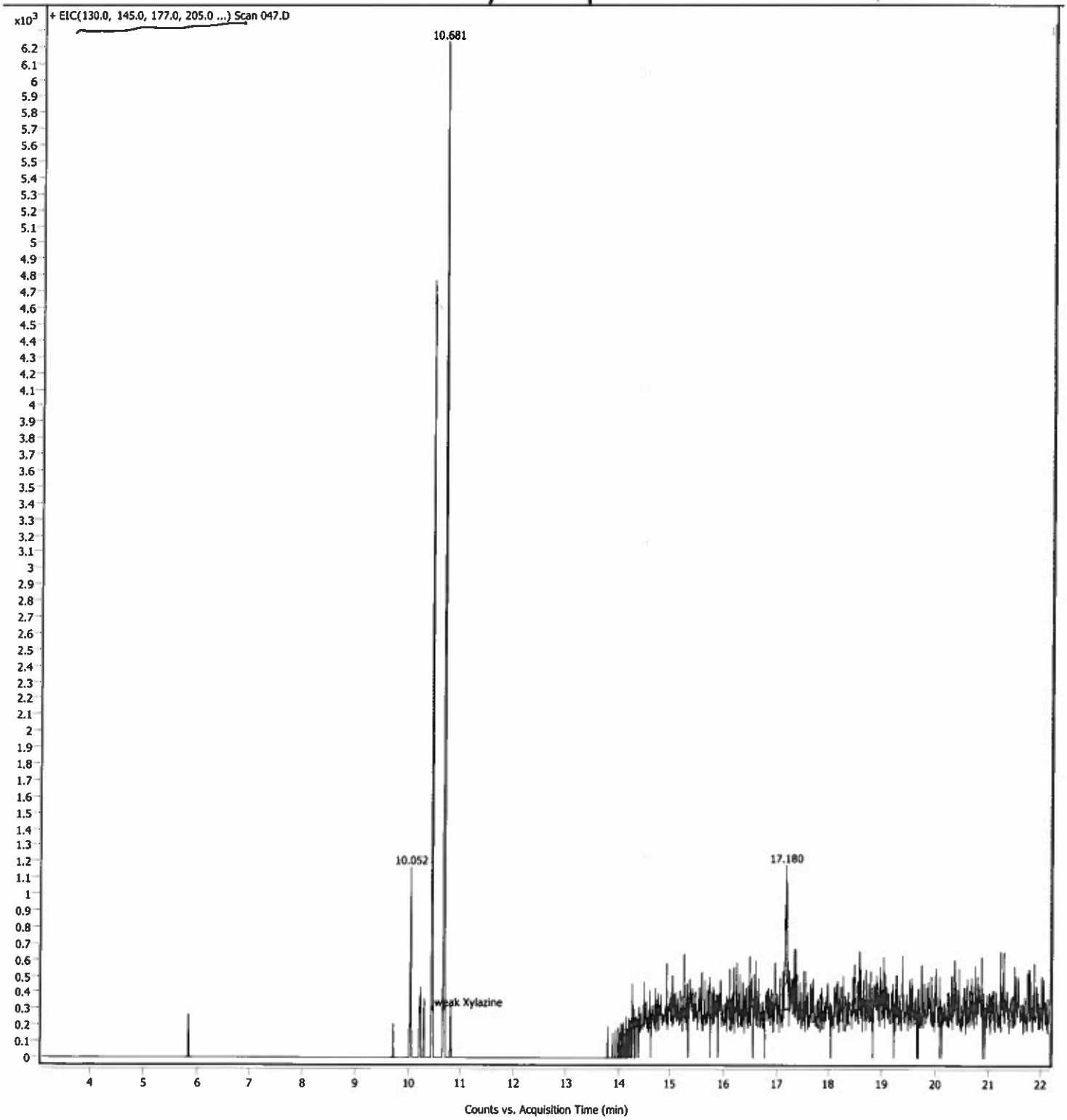
Sample Name	MATRIX 6 W/ISTD 0.010 mg/L-URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\047.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 12:03:59 PM (UTC-04:00)
Position	79	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

Agilent



Generated at 9:14 AM on 9/30/2021

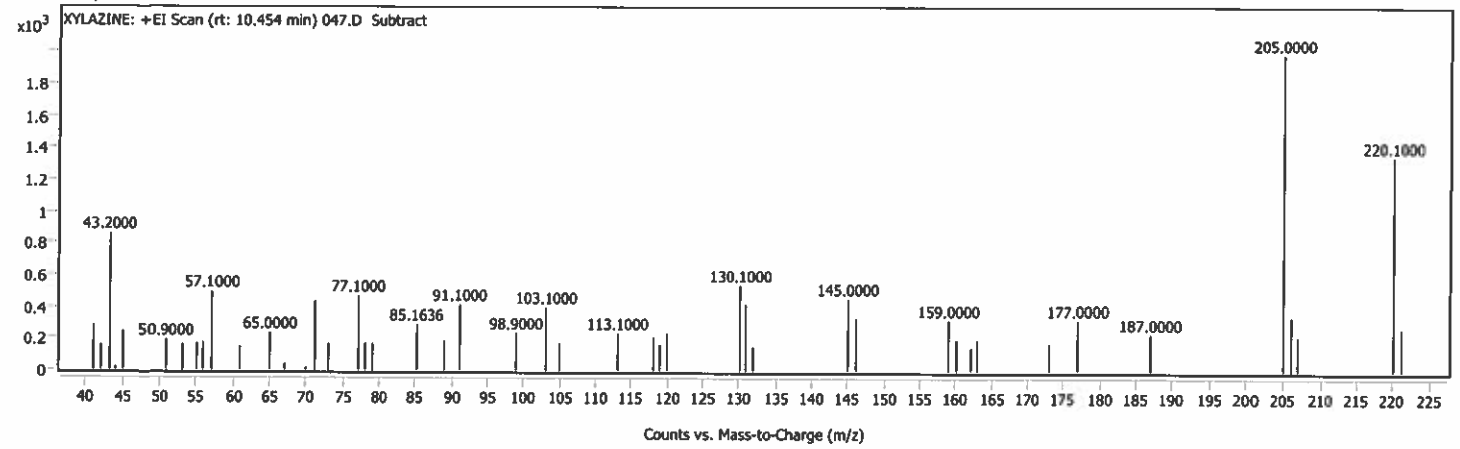
Analysis Report

Agilent

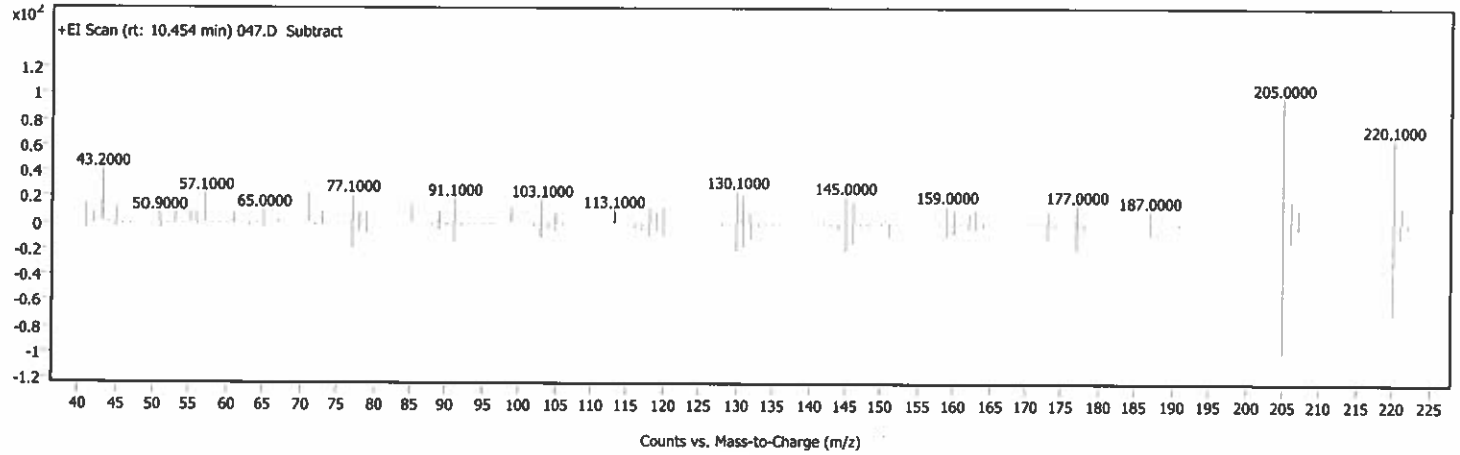
+ Scan (rt: 10.454 min) Sub **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	74.20	aafs.l	MATRIX 6 W/ISTD 0.010 mg/L-URN	KM/QC DATA IN XYLAZINE VALIDATION

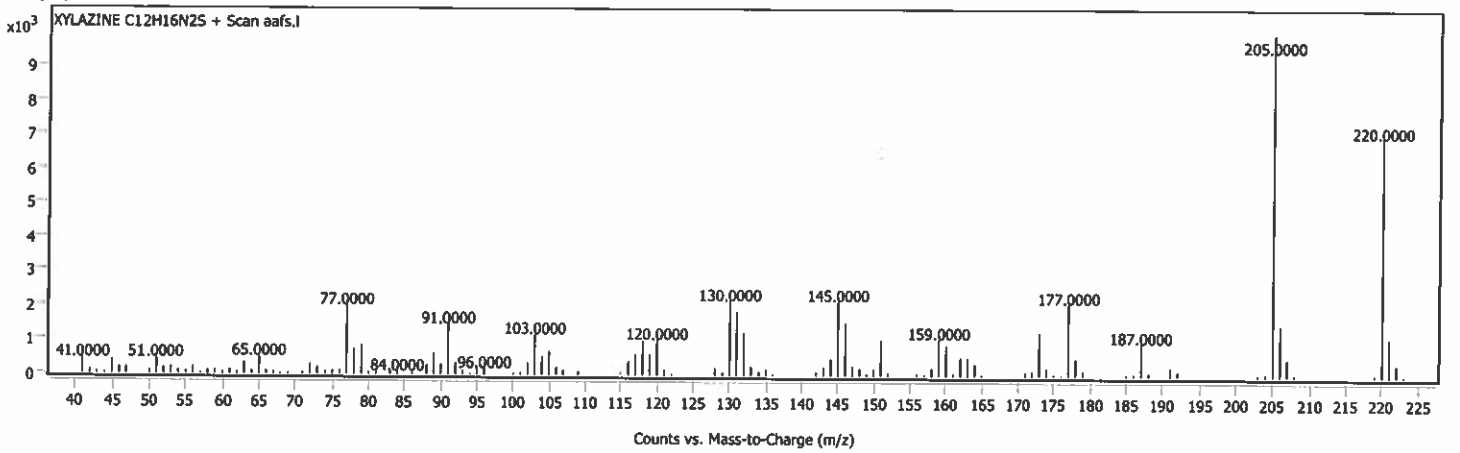
Observed Spectrum



Mirror Plot



Library Spectrum



Analysis Report

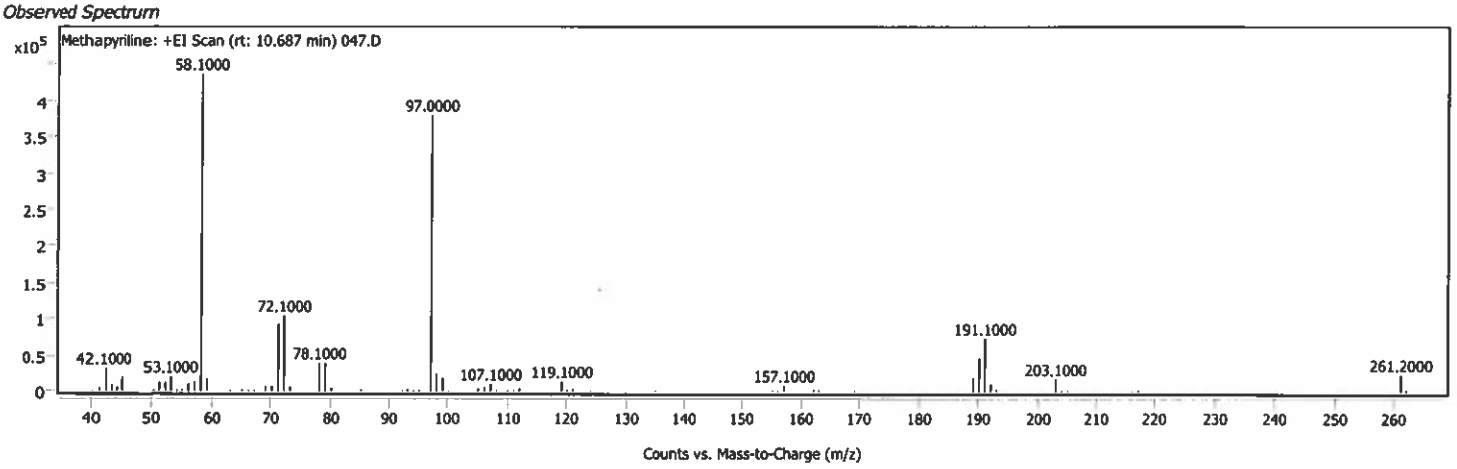
Agilent

Sample Spectra

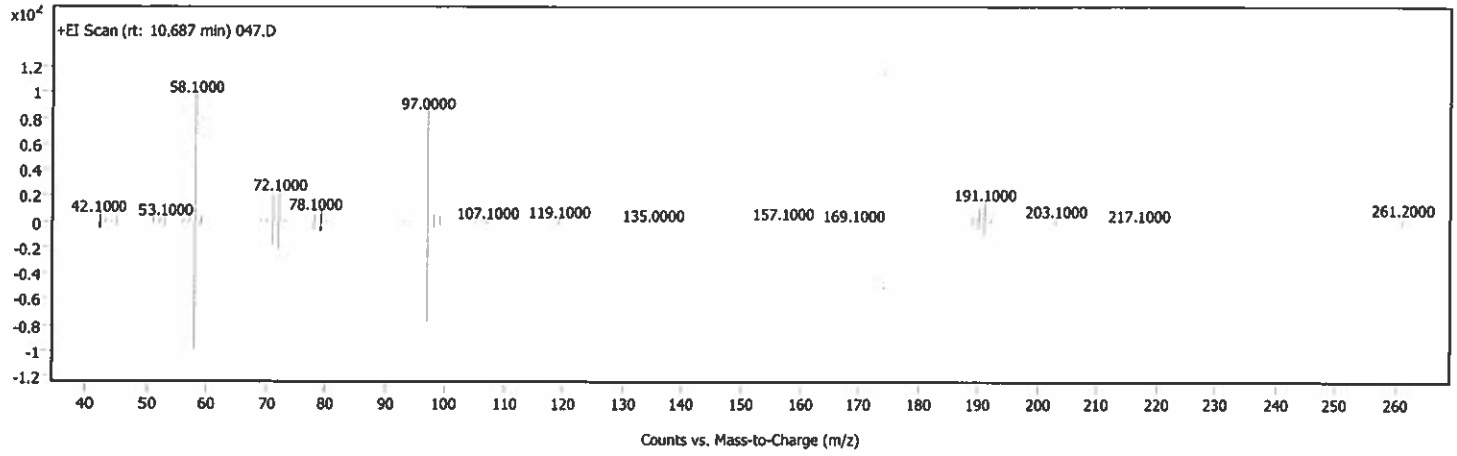
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.63	SWGDRUG 3.3.L	MATRIX 6 W/ISTD 0.010 mg/L-URN	KM/QC DATA IN XYLAZINE VALIDATION

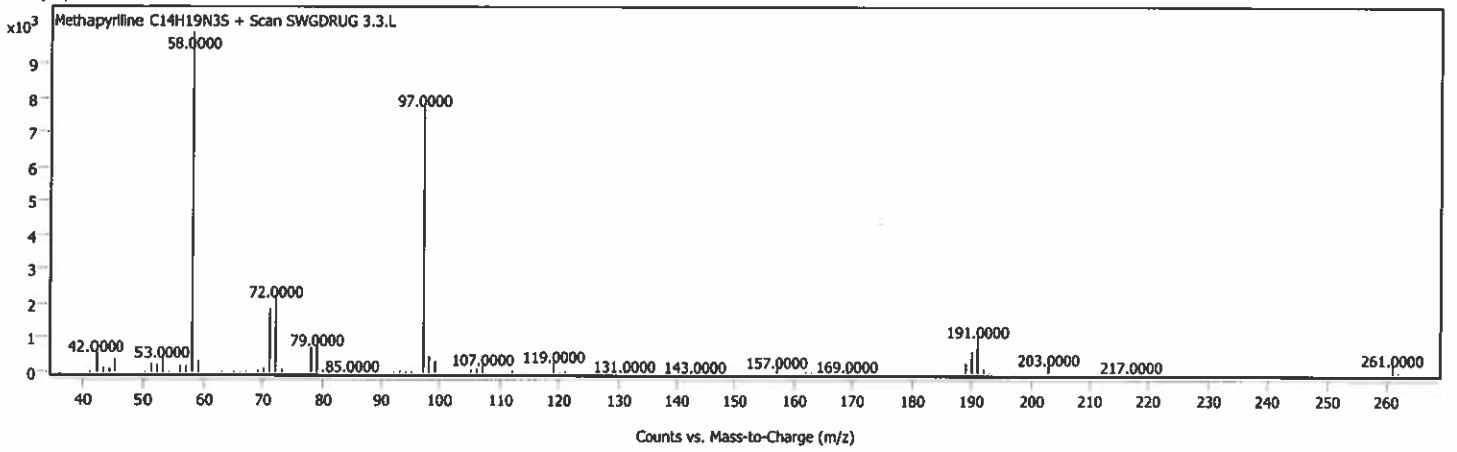
Observed Spectrum



Mirror Plot



Library Spectrum



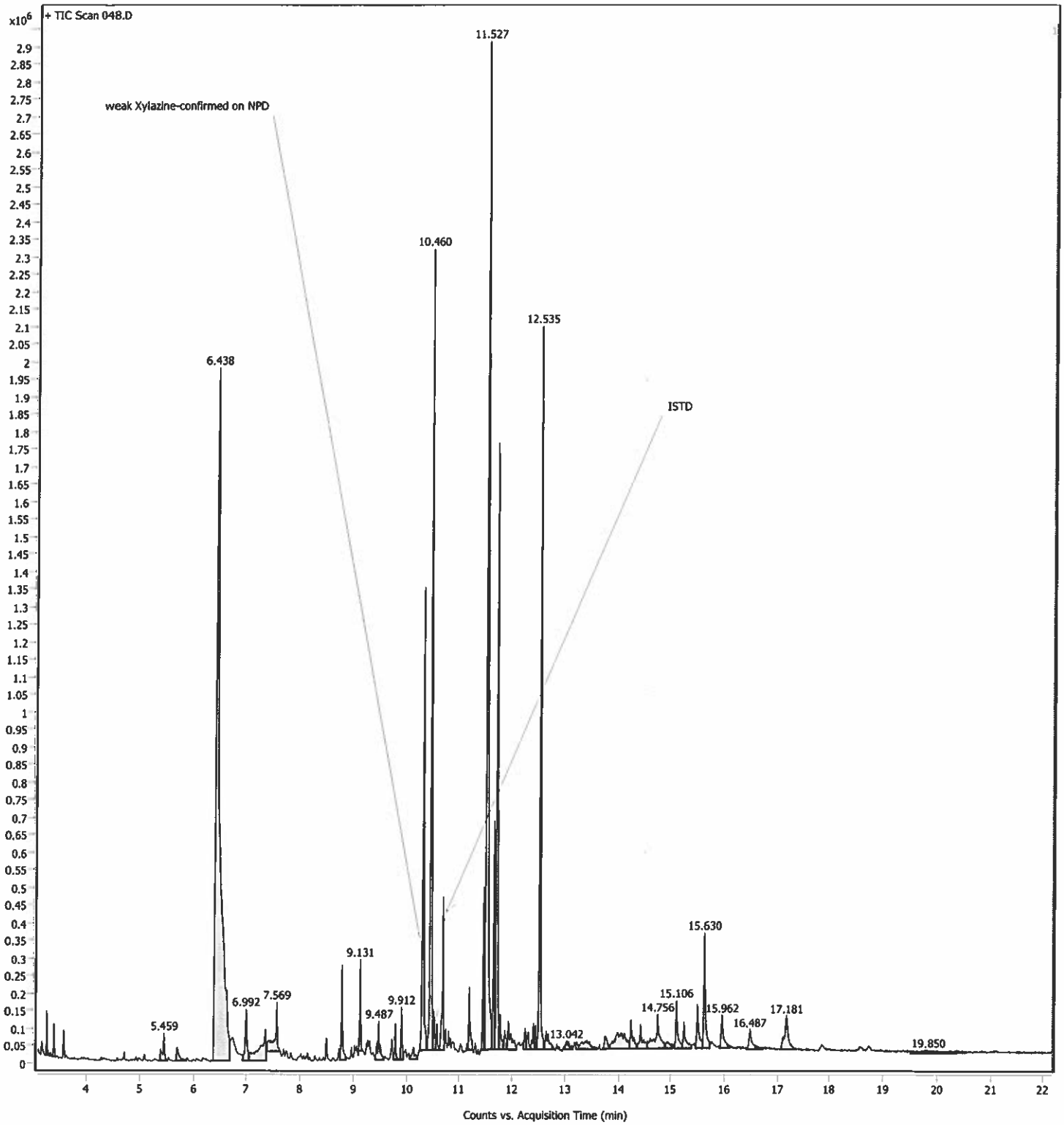
Analysis Report

Agilent

Sample Information

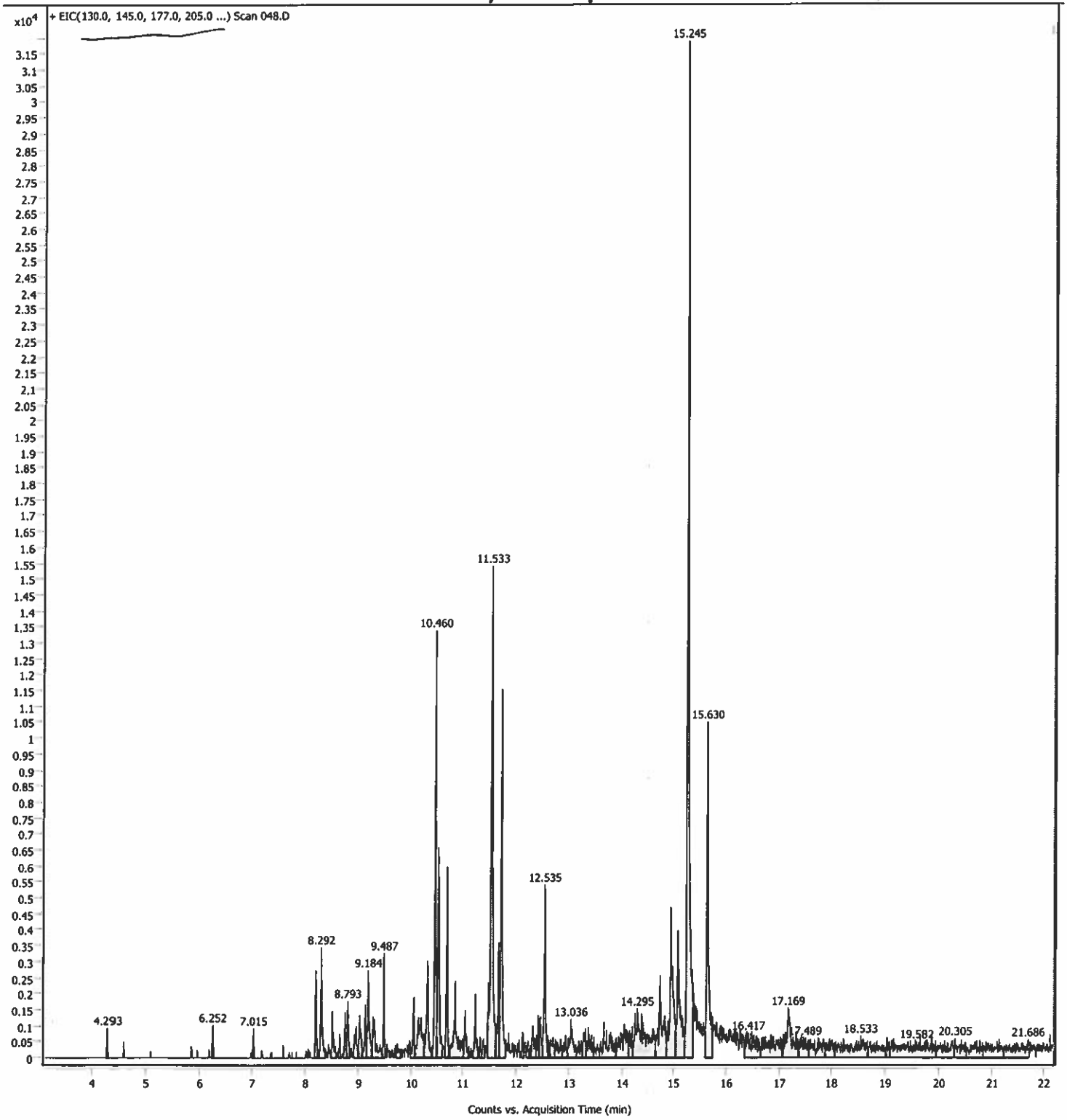
Sample Name	MATRIX 10 W/ISTD 0.010 mg/L-LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\048.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 12:29:54 PM (UTC-04:00)
Position	80	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

Agilent



Analysis Report

Agilent

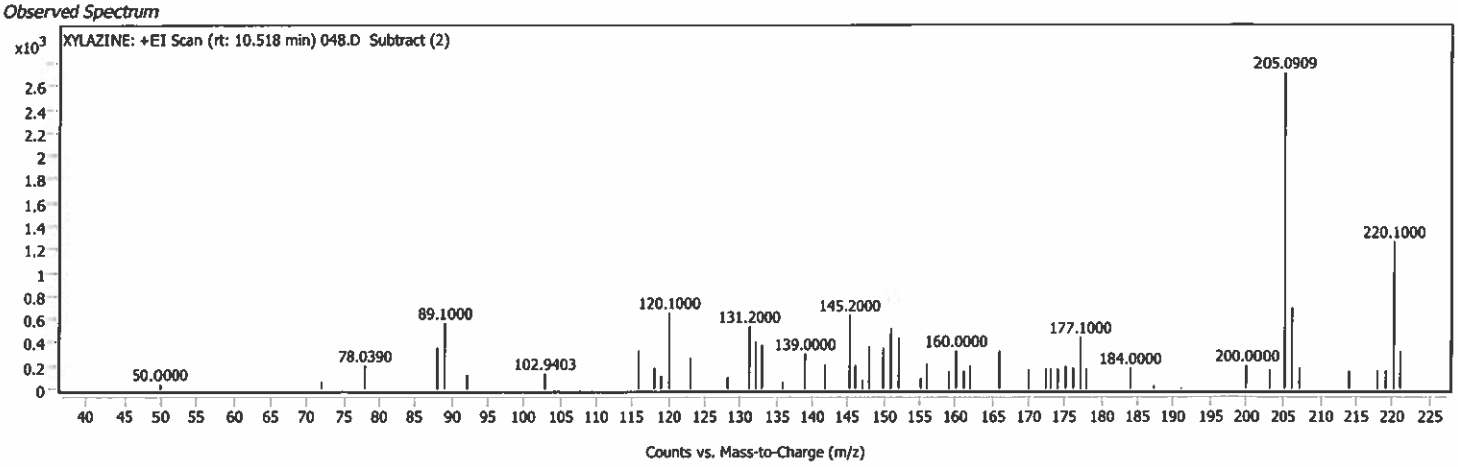
Sample Spectra

+ Scan (rt: 10.687 min)

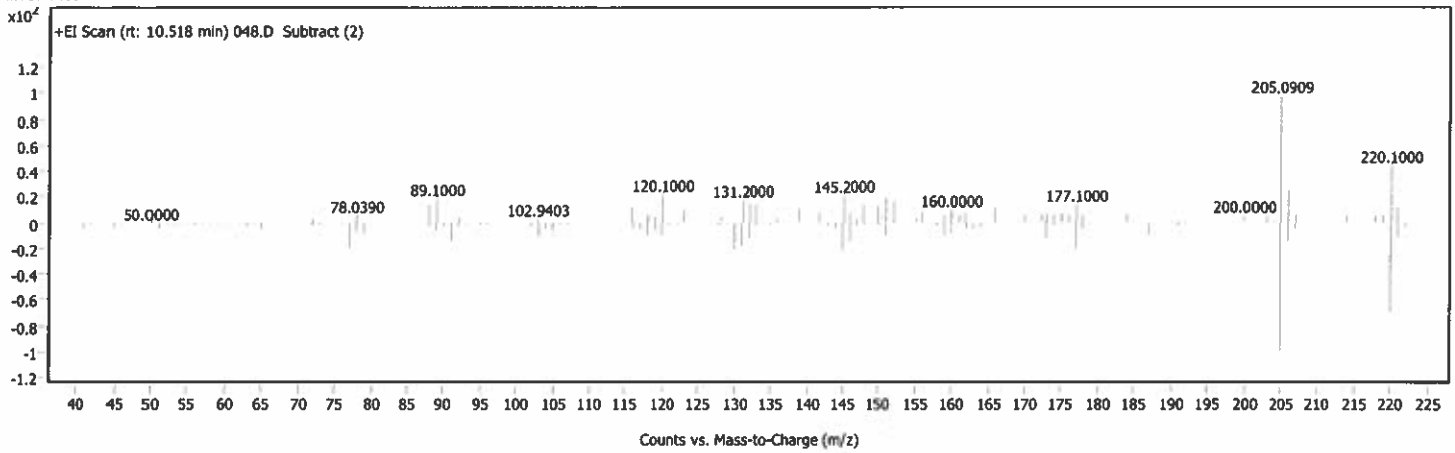
+ Scan (rt: 10.518 min) Sub (2) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	60.99	aafs.l	MATRIX 10 W/ISTD 0.010 mg/L-LVR	KM/QC DATA IN XYLAZINE VALIDATION

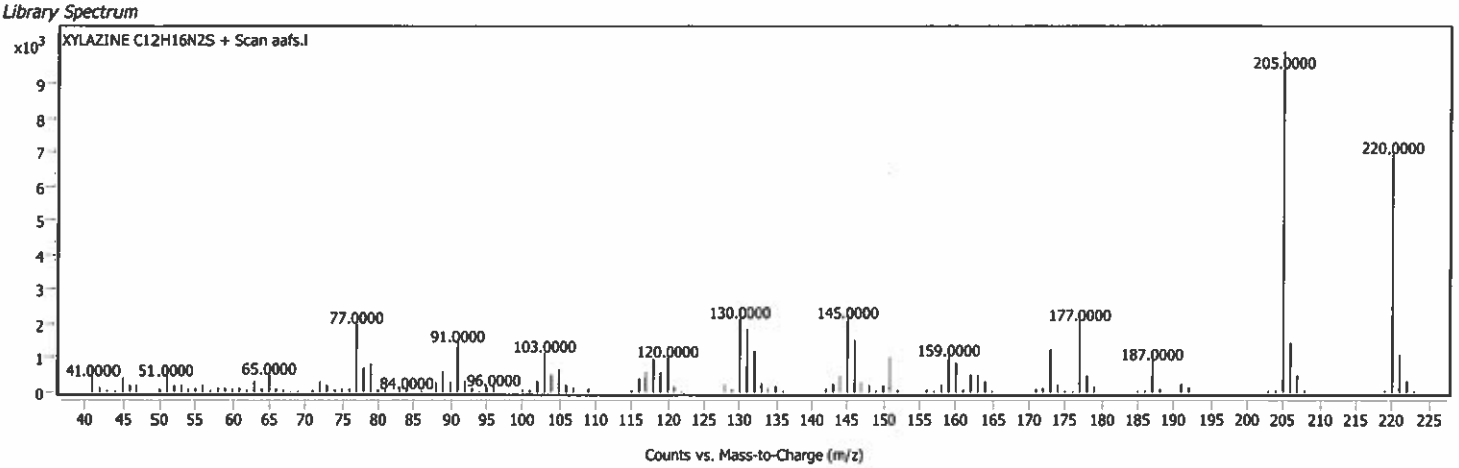
Observed Spectrum



Mirror Plot



Library Spectrum



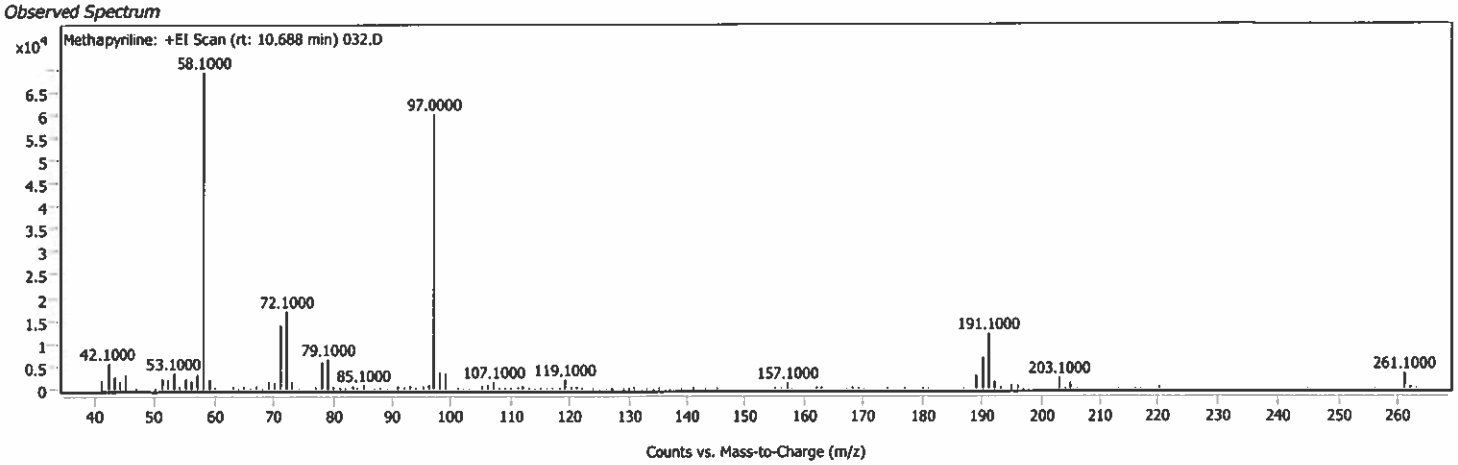
Analysis Report

Agilent

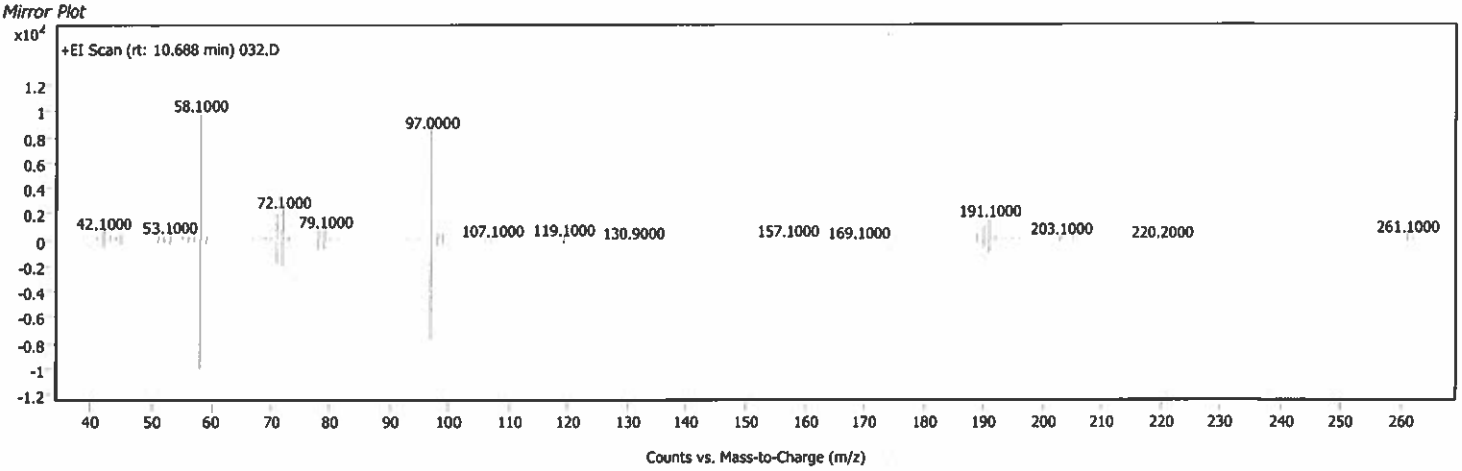
+ Scan (rt: 10.688 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	93.41	SWGDRUG 3.3.L	MATRIX 10 W/ IH CTL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

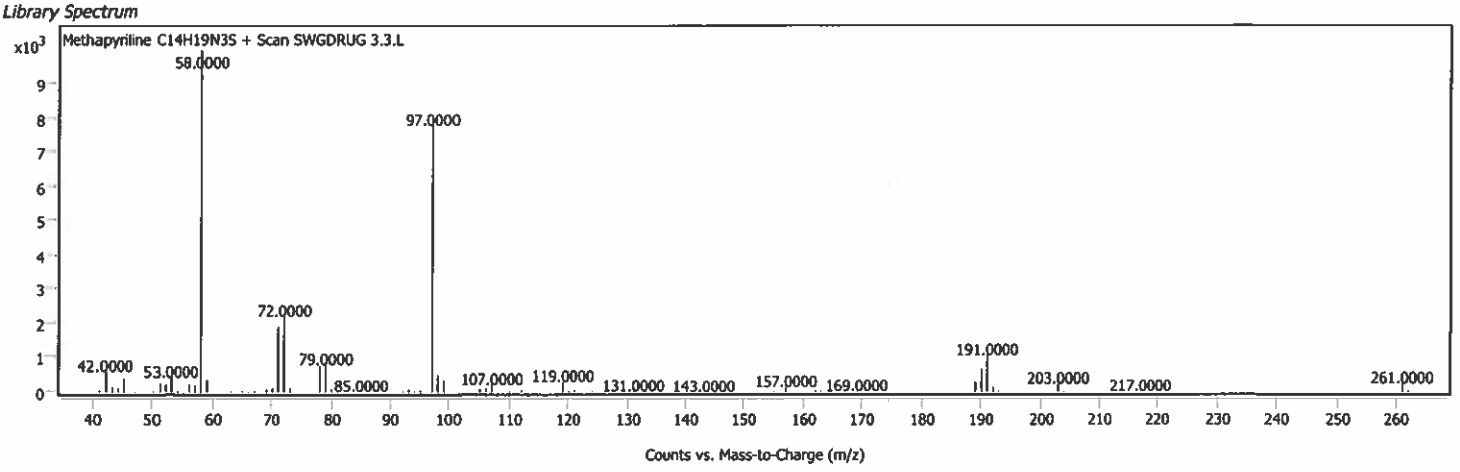
Observed Spectrum



Mirror Plot

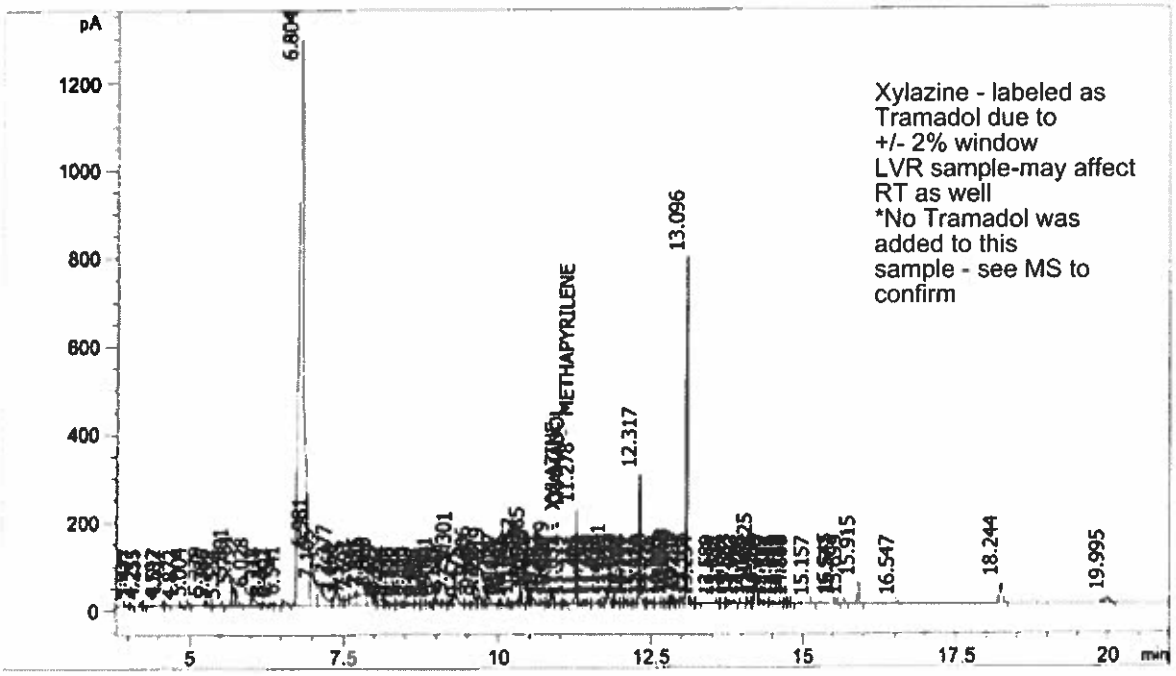


Library Spectrum



Injection Date: 9/29/2021 11:38:50 AM Seq Line: 55
Sample Name: MATRIX 10 W/ISTD 0.01-> Vial 86
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION

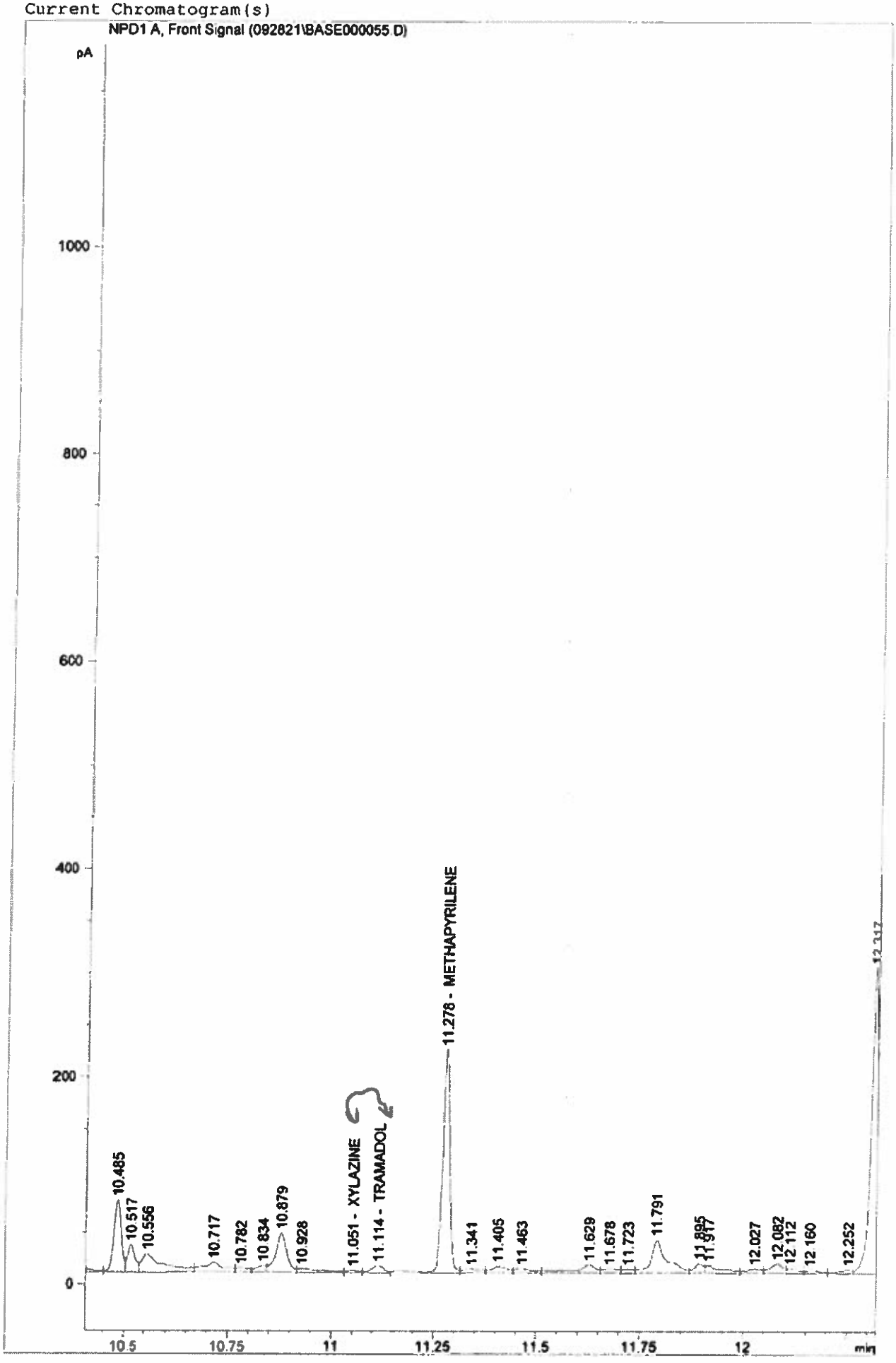


see expanded chromatogram on following page

RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.051	11.046	3.632	2.150	0.000000	XYLAZINE
11.114	11.033	13.583	6.802	0.000000	TRAMADOL RRT - 0.9854
11.278	11.278	247.393	215.685	1.000000	METHAPYRILENE

Not used in average of RRts

Current Chromatogram(s)



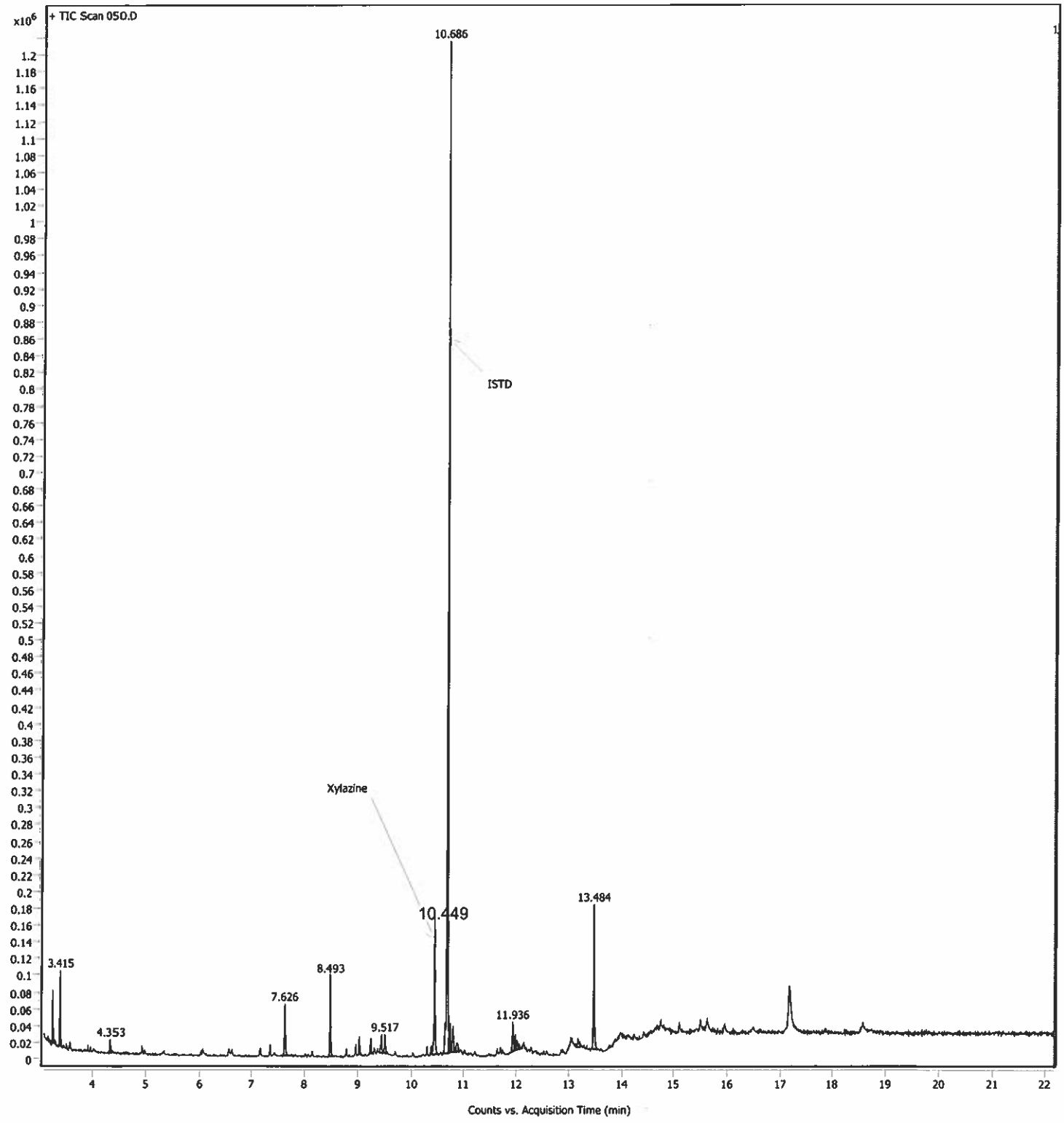
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2/W ISTD 0.10 mg/L- BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\050.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 1:21:46 PM (UTC-04:00)
Position	82	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

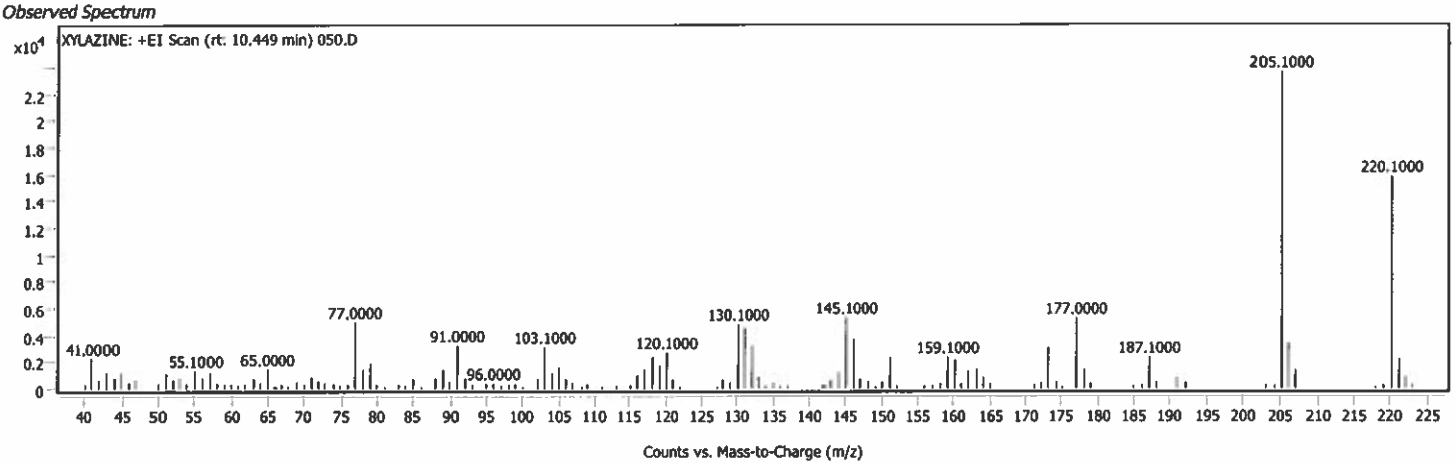
Agilent

Sample Spectra

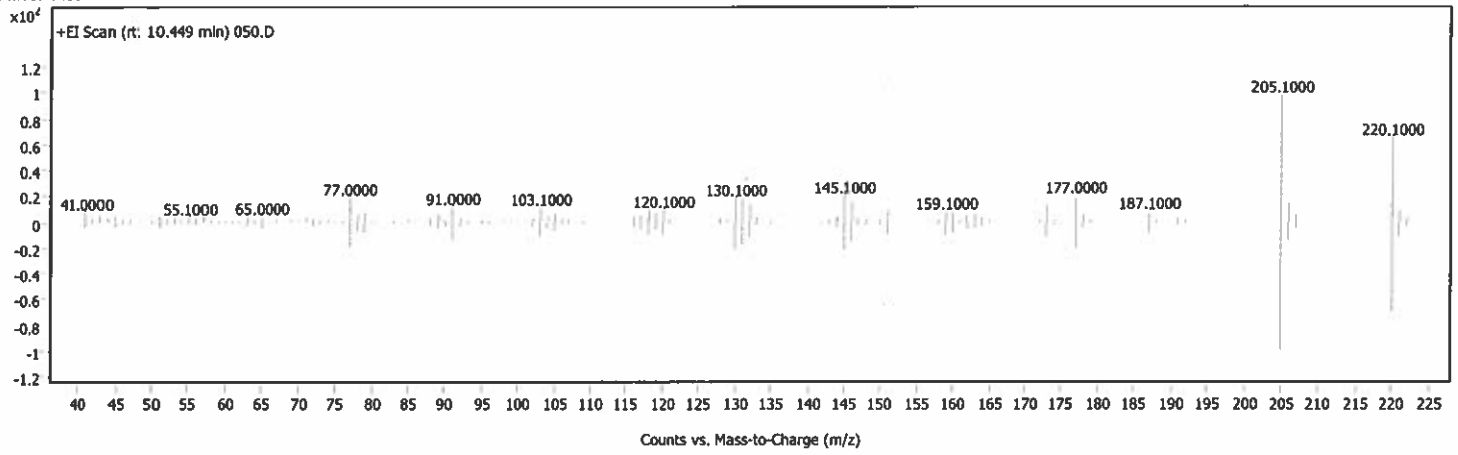
+ Scan (rt: 10.449 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	95.45	aafs.l	MATRIX 2/W ISTD 0.10 mg/L- BLD	KM/QC DATA IN XYLAZINE VALIDATION

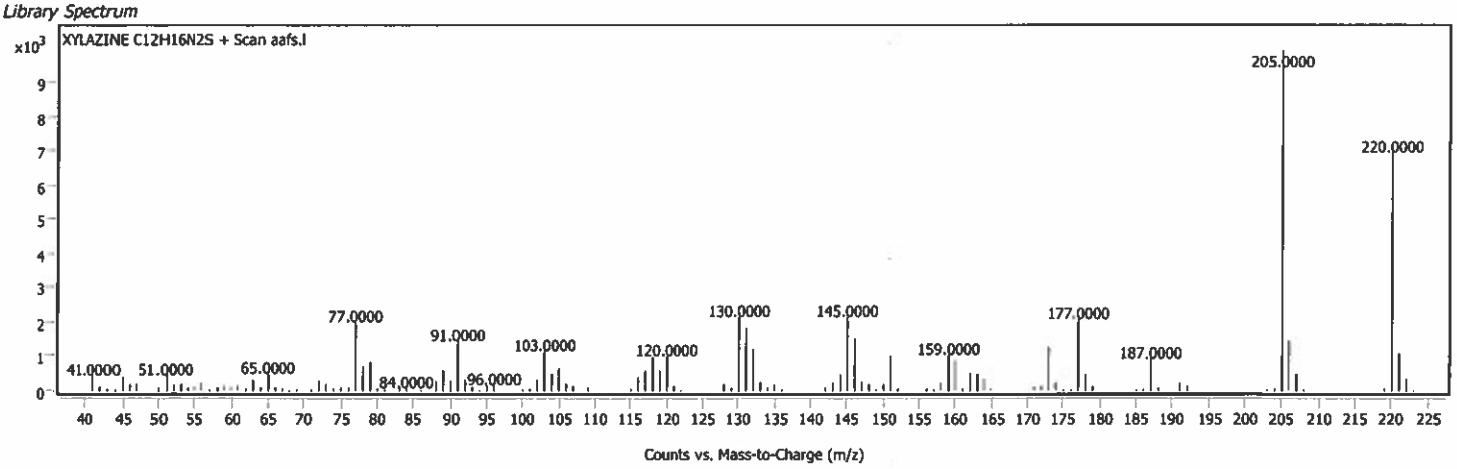
Observed Spectrum



Mirror Plot



Library Spectrum



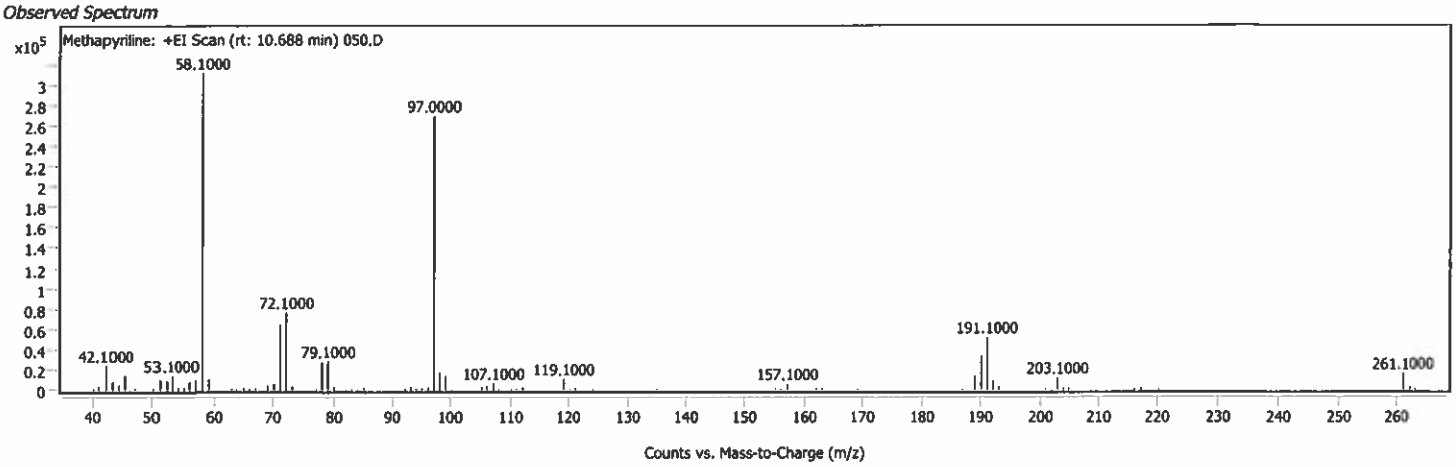
Analysis Report

Agilent

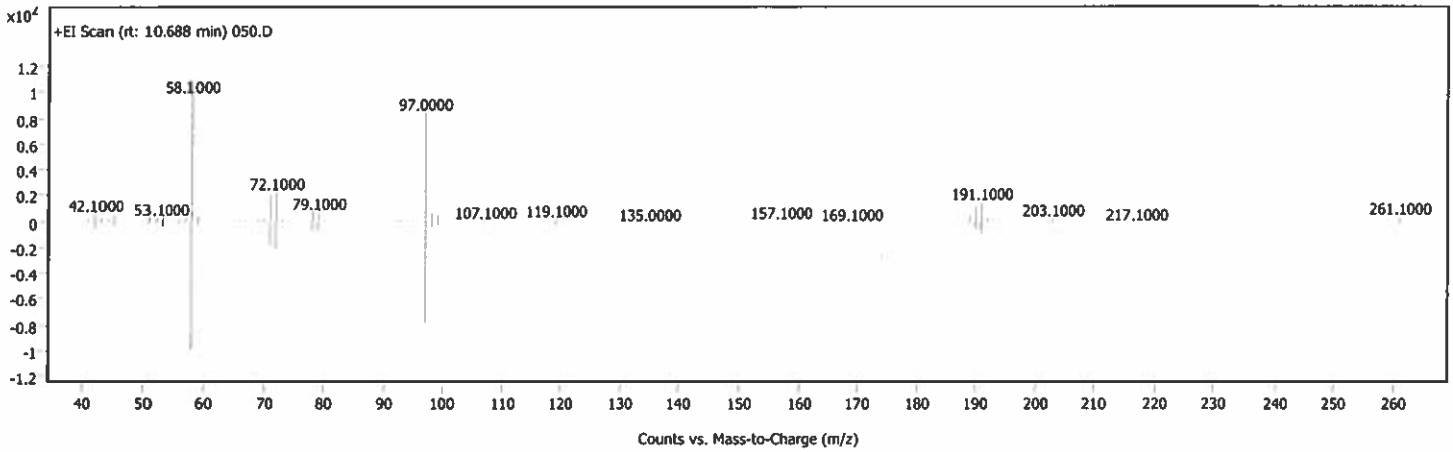
+ Scan (rt: 10.688 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.06	SWGDRUG 3.3.L	MATRIX 2/W ISTD 0.10 mg/L- BLD	KM/QC DATA IN XYLAZINE VALIDATION

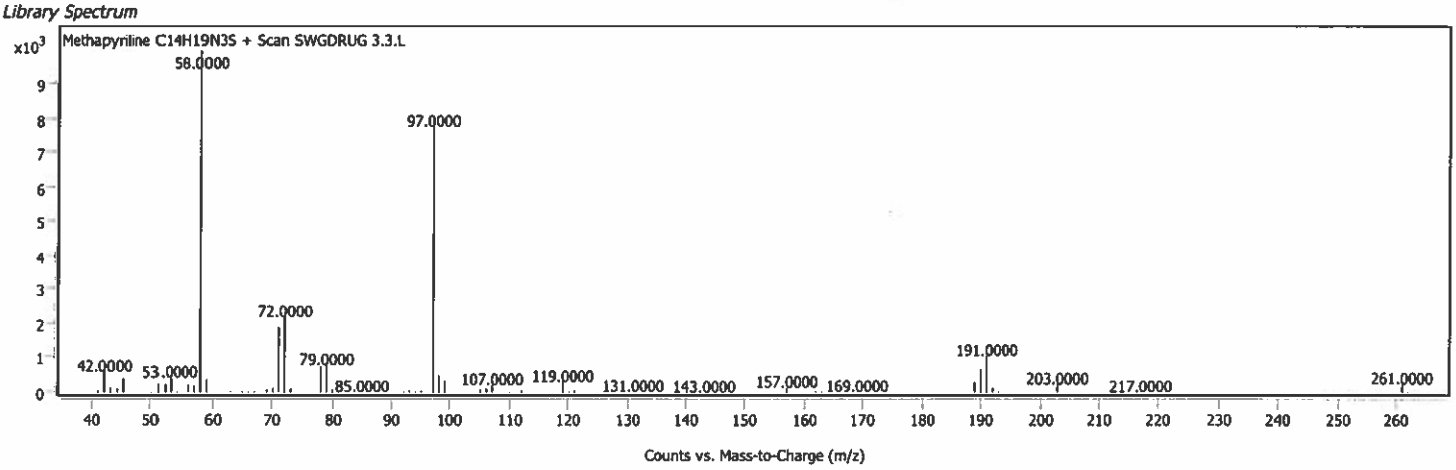
Observed Spectrum



Mirror Plot

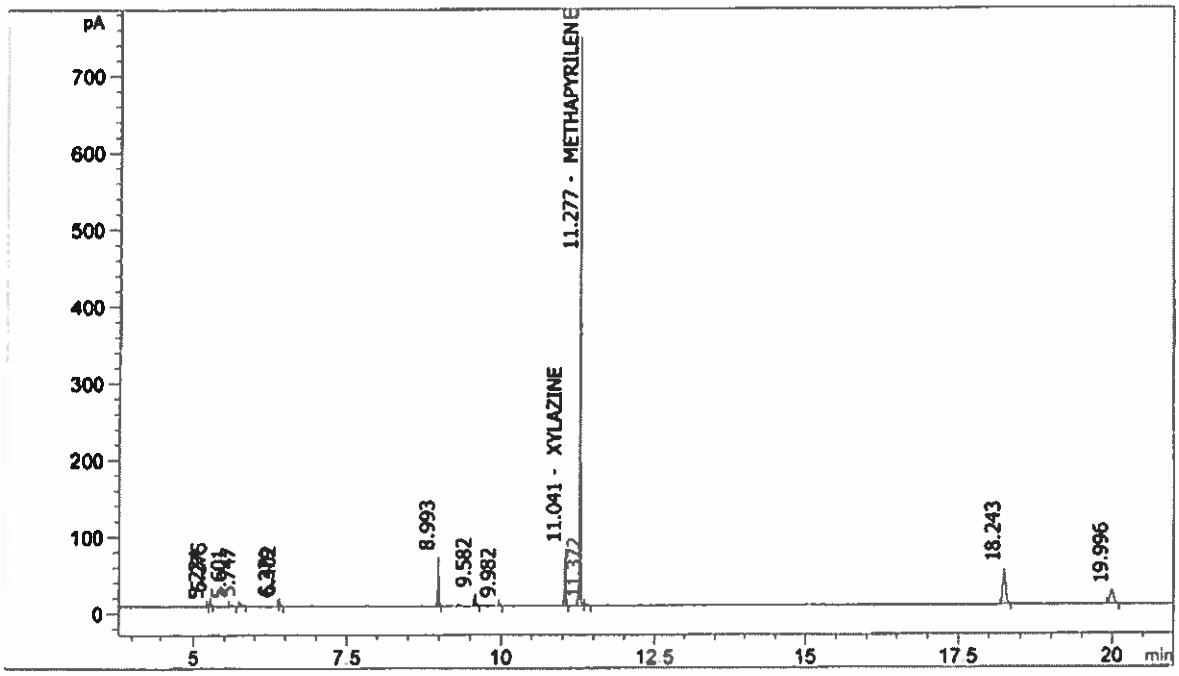


Library Spectrum



Injection Date: 9/29/2021 12:27:27 PM Seq Line: 57
Sample Name: MATRIX 2 W/ISTD 0.10 -> Vial 88
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.041	11.046	85.655	74.466	0.000000	XYLAZINE RRT - 0.9791
11.277	11.278	859.985	734.628	1.000000	METHAPYRILENE

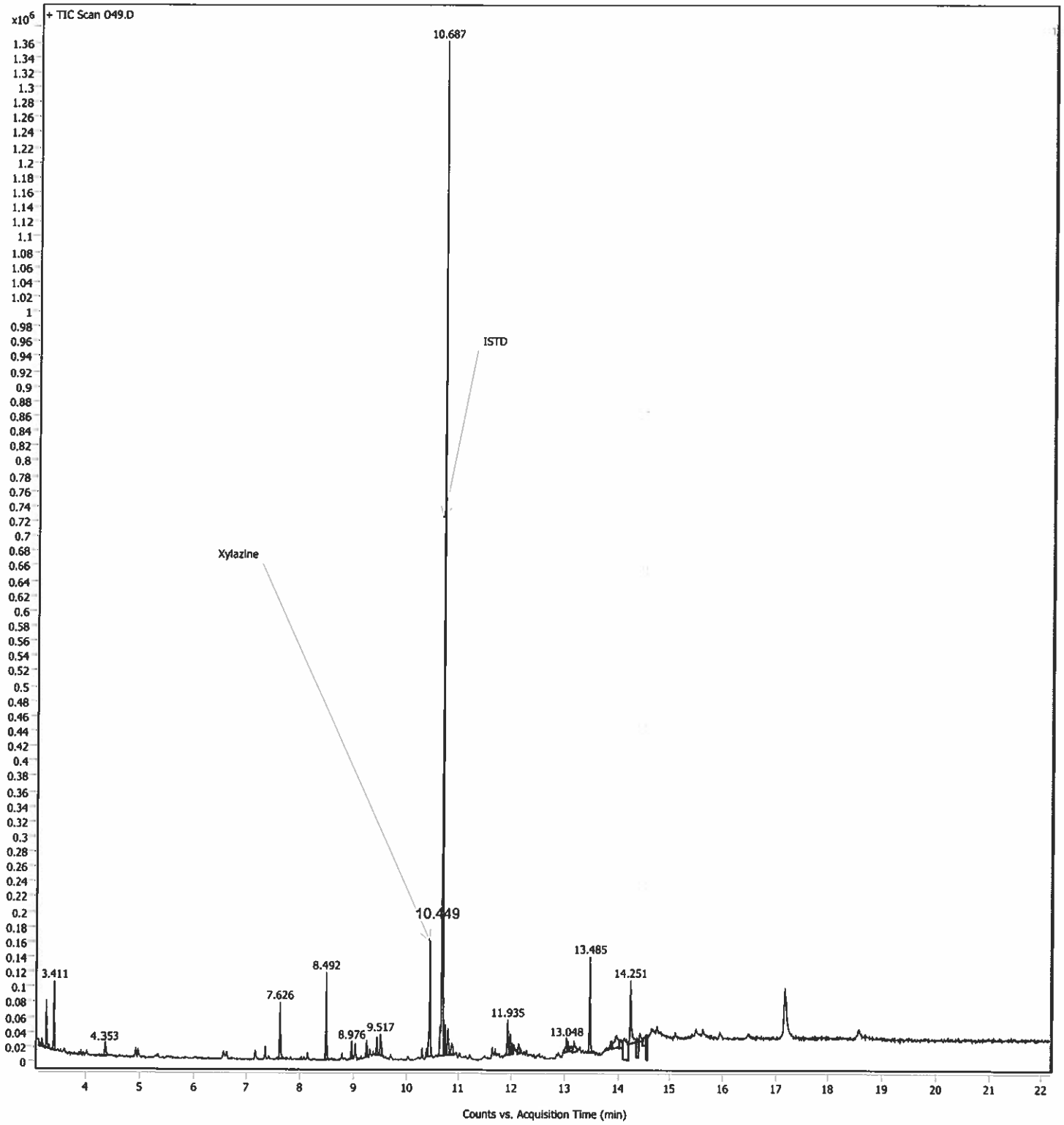
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 W/ISTD 0.10 mg/L - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\049.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 12:55:43 PM (UTC-04:00)
Position	81	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

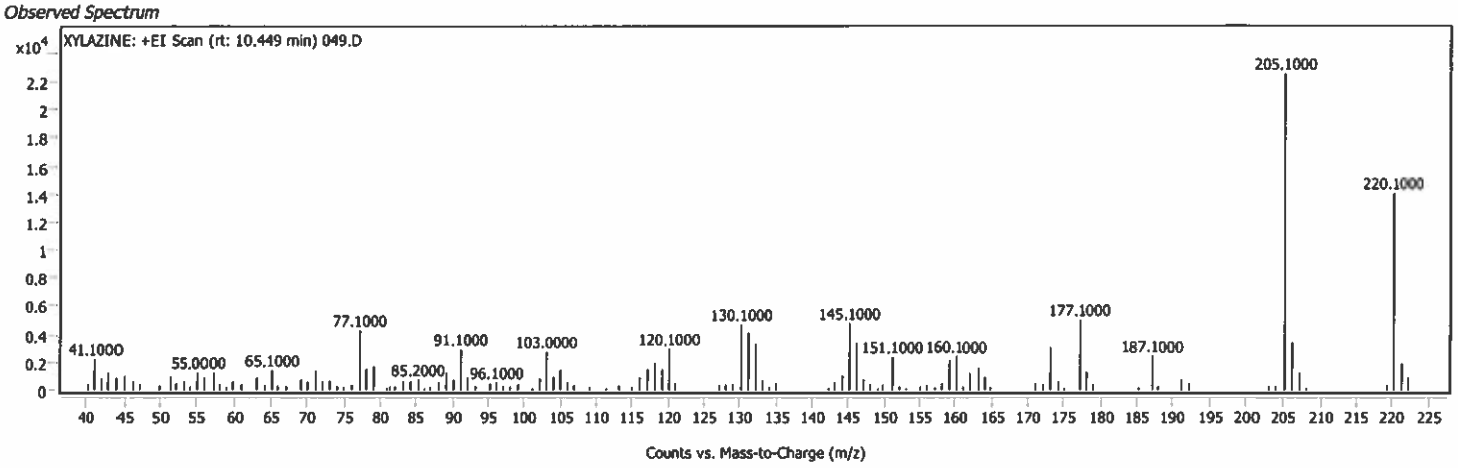
Agilent

Sample Spectra

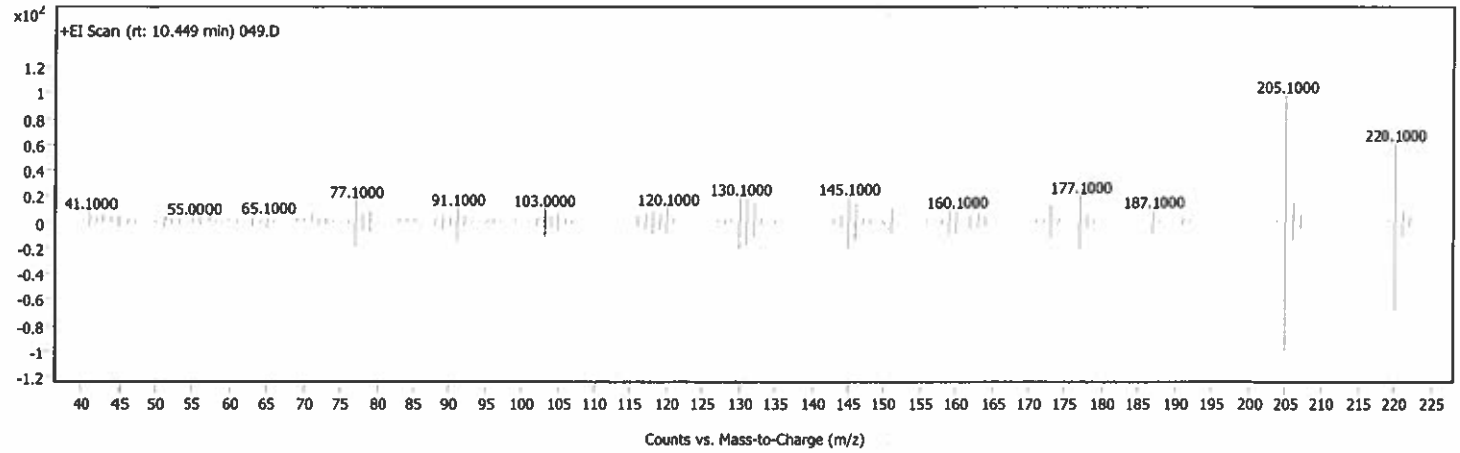
+ Scan (rt: 10.449 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	94.89	aafs.l	MATRIX 1 W/ISTD 0.10 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

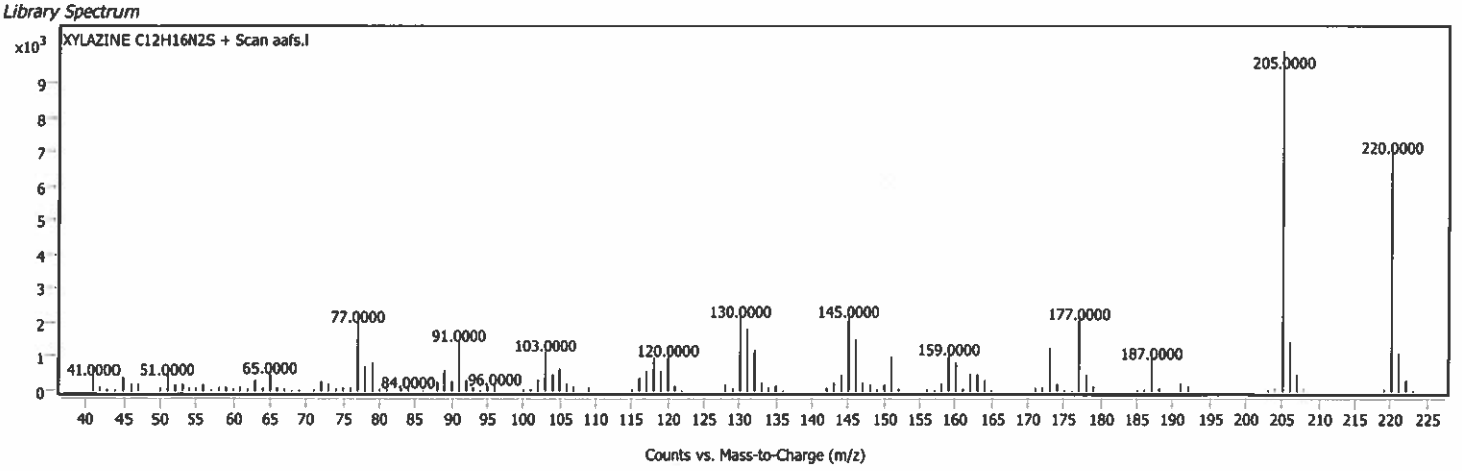
Observed Spectrum



Mirror Plot



Library Spectrum



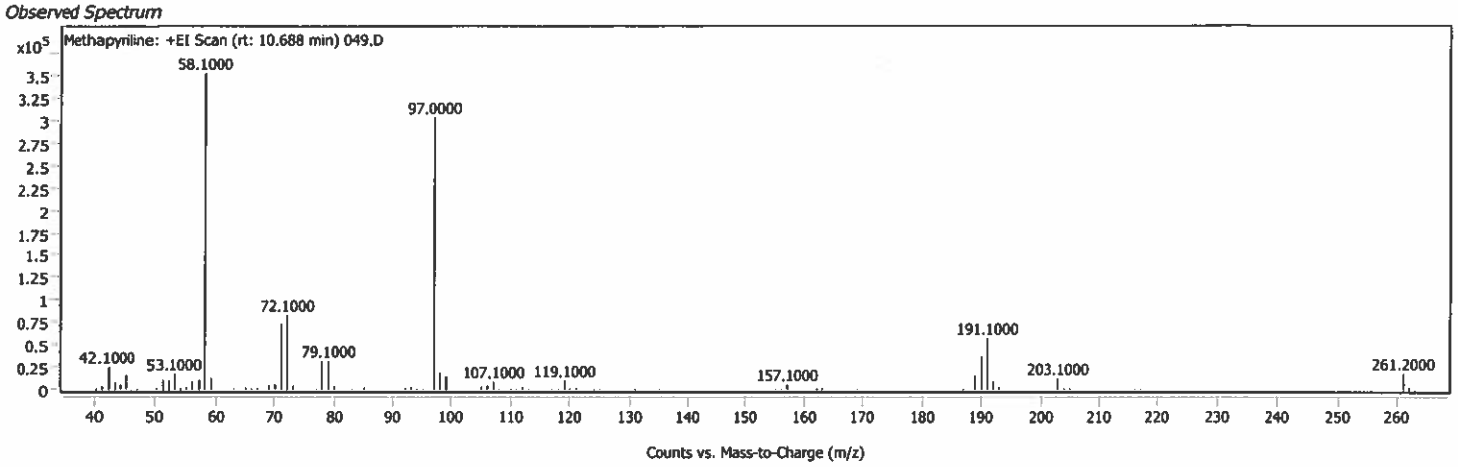
Analysis Report

Agilent

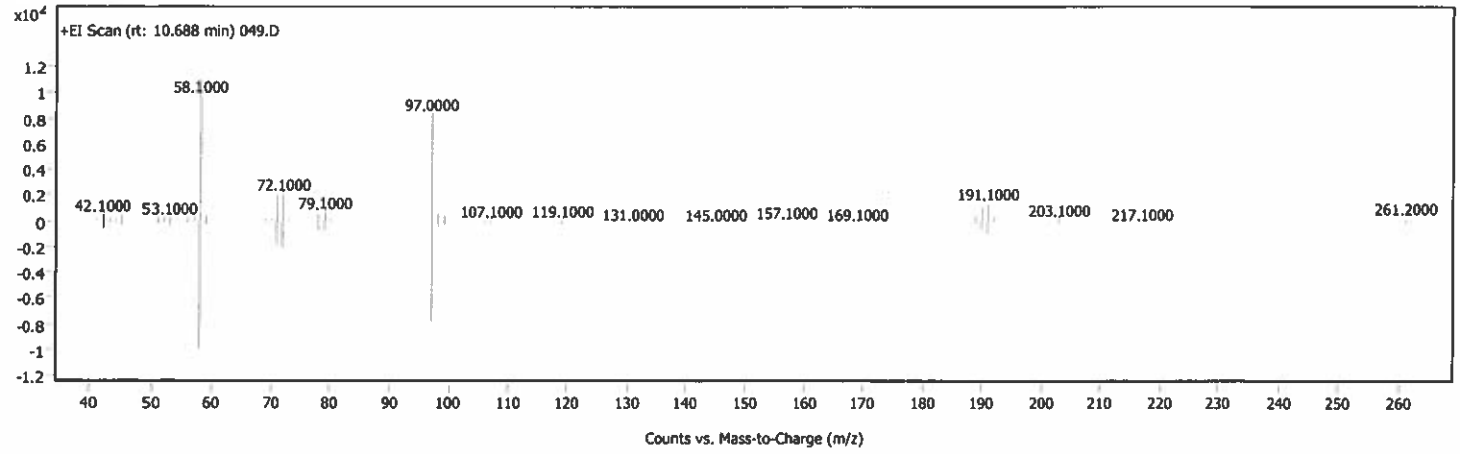
+ Scan (rt: 10.688 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.53	SWGDRUG 3.3.L	MATRIX 1 W/ISTD 0.10 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

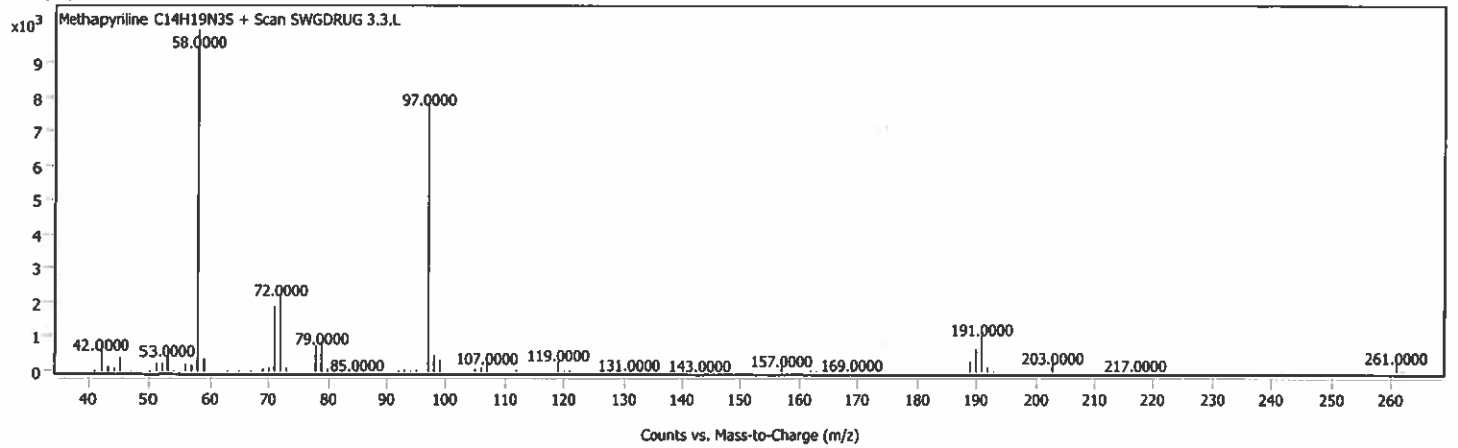
Observed Spectrum



Mirror Plot

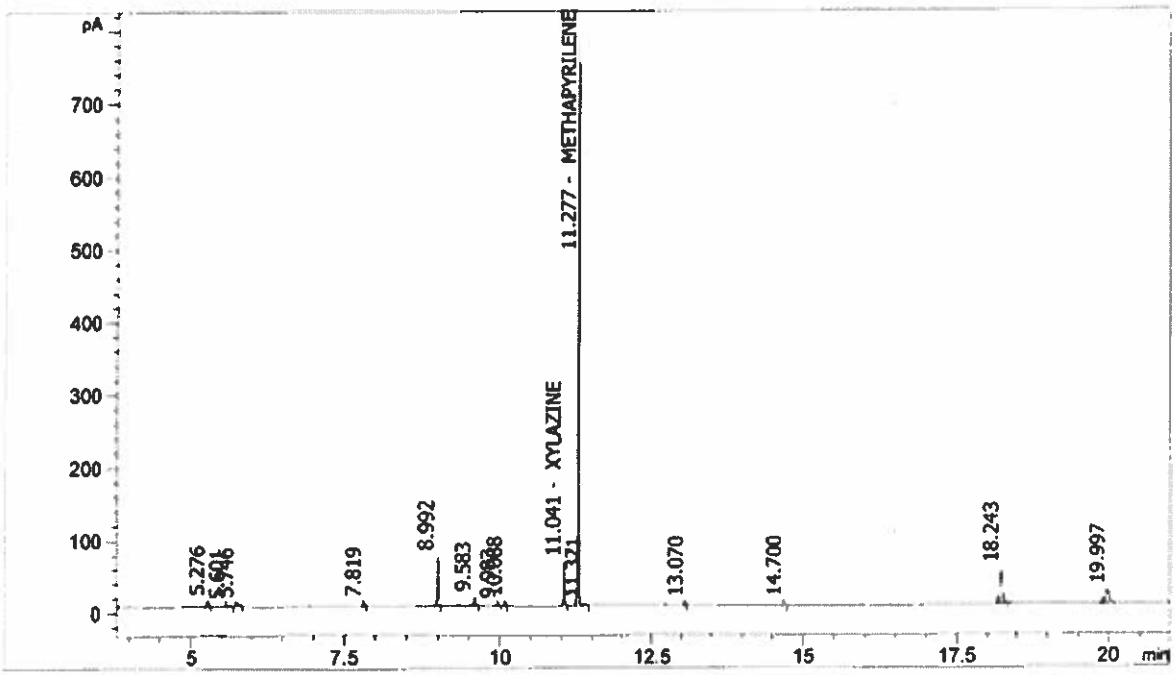


Library Spectrum



Injection Date: 9/29/2021 12:03:08 PM Seq Line: 56
Sample Name: MATRIX 1 W/ISTD 0.10 -> Vial 87
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.041	11.046	69.536	59.638	0.000000	XYLAZINE RRT - 0.9791
11.277	11.278	883.290	777.130	1.000000	METHAPYRILENE

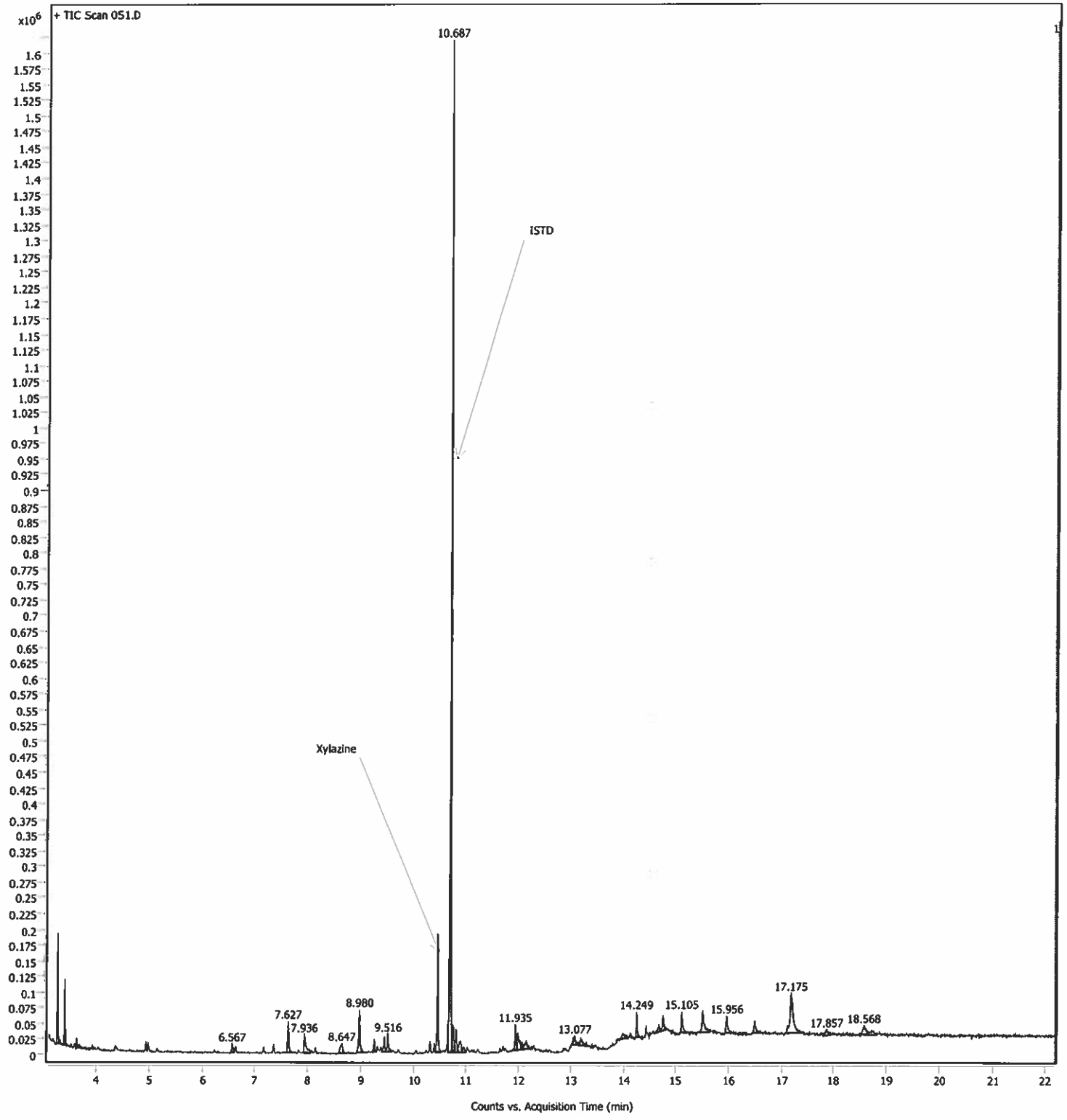
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 W/ISTD 0.10 mg/L- URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\051.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 1:47:38 PM (UTC-04:00)
Position	83	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

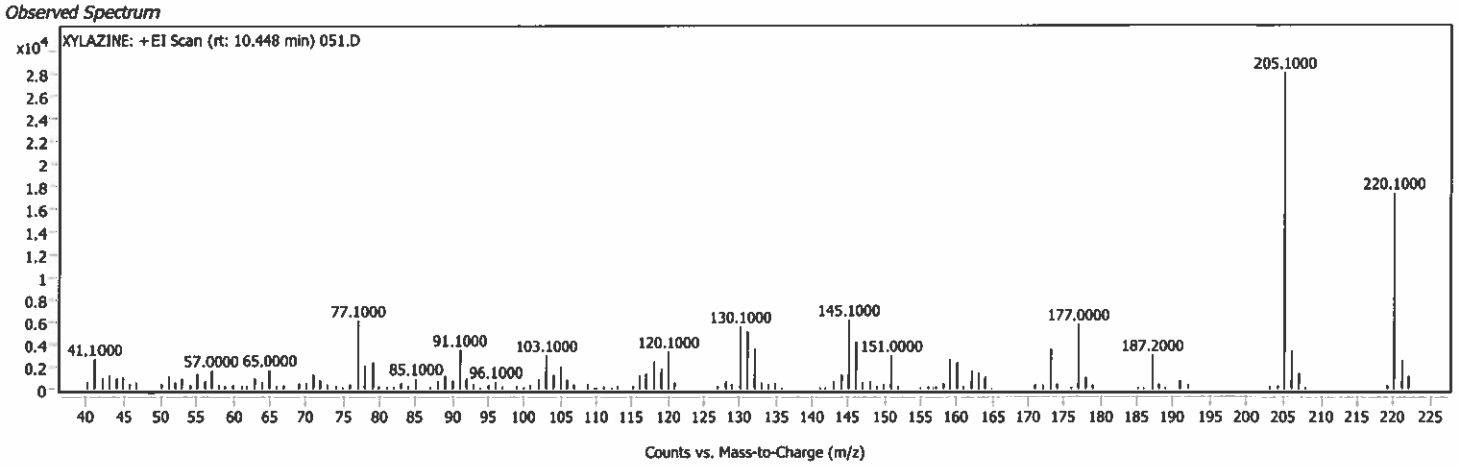
Agilent

Sample Spectra

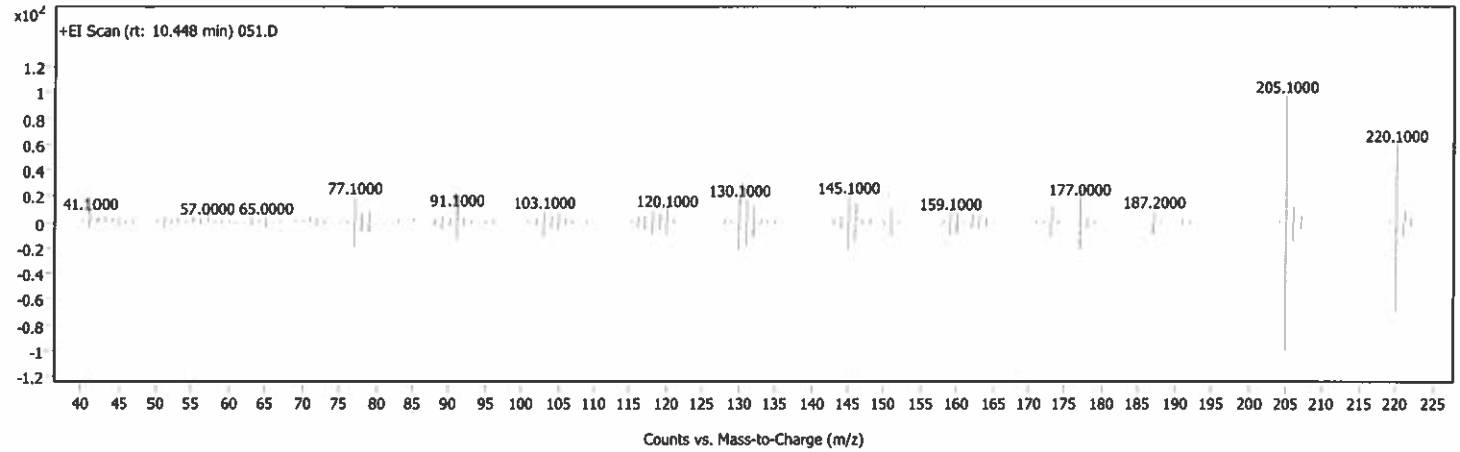
+ Scan (rt: 10.448 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	95.88	aafs.l	MATRIX 6 W/ISTD 0.10 mg/L- URN	KM/QC DATA IN XYLAZINE VALIDATION

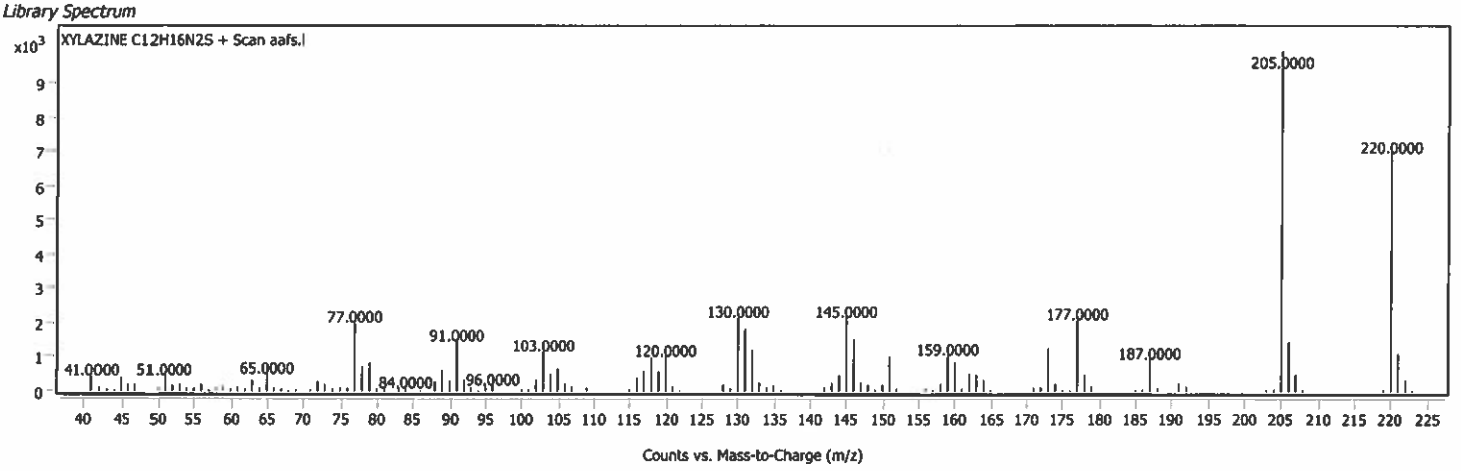
Observed Spectrum



Mirror Plot



Library Spectrum



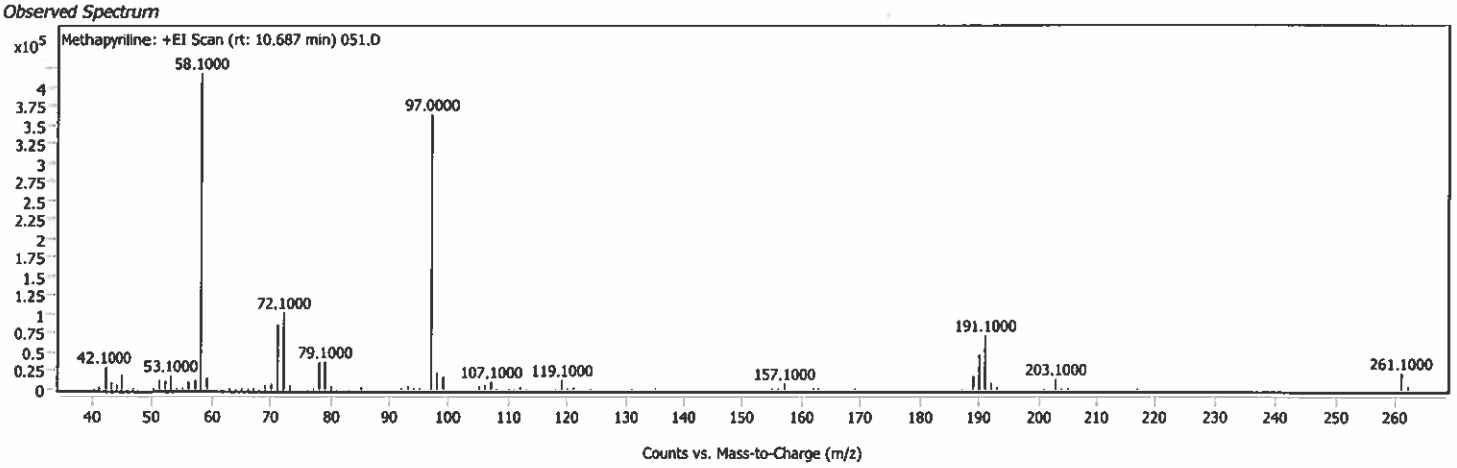
Analysis Report

Agilent

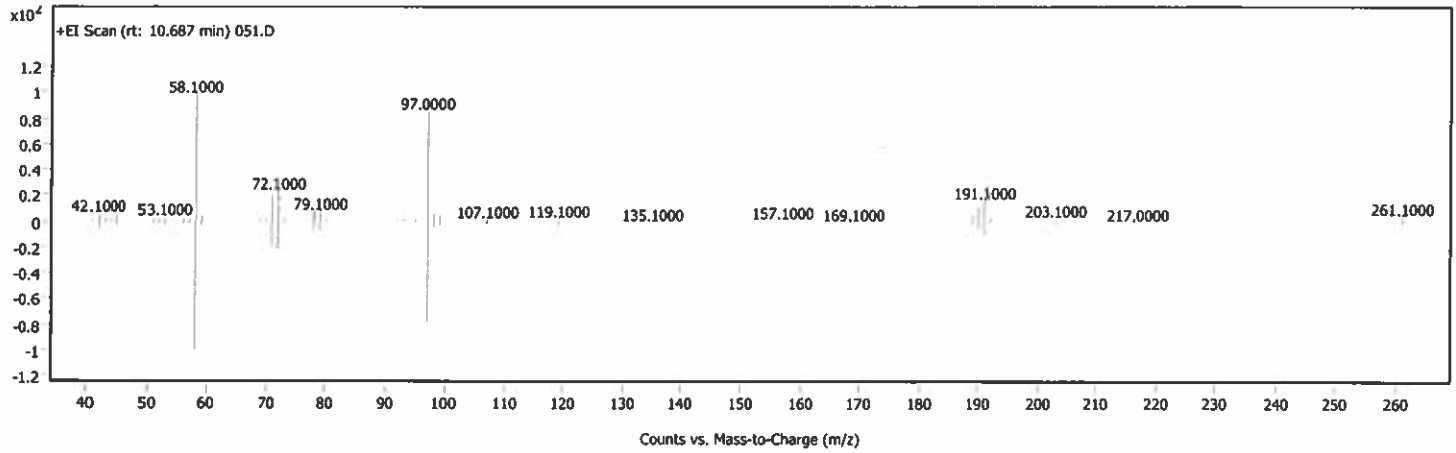
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.47	SWGDRUG 3.3.L	MATRIX 6 W/ISTD 0.10 mg/L- URN VALIDATION	KM/QC DATA IN XYLAZINE

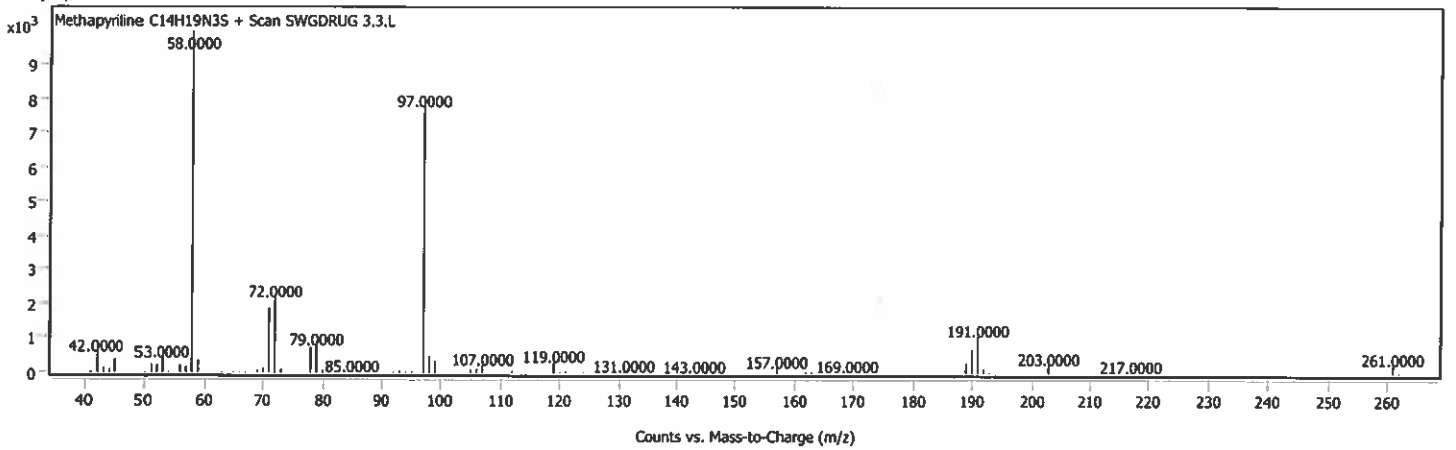
Observed Spectrum



Mirror Plot

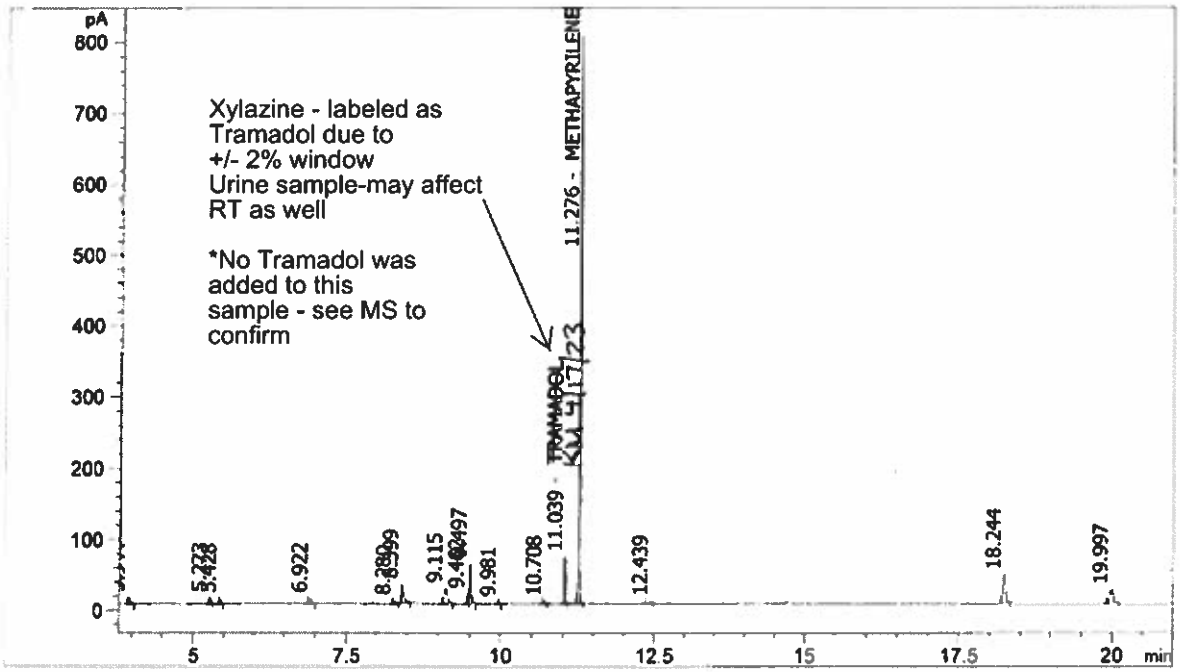


Library Spectrum



Injection Date: 9/29/2021 12:51:51 PM Seq Line: 58
Sample Name: MATRIX 6 W/ISTD 0.10 -> Vial 89
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.039	11.033	74.280	66.514	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE RRT-0.9790
11.276	11.278	916.292	791.683	1.000000	METHAPYRILENE

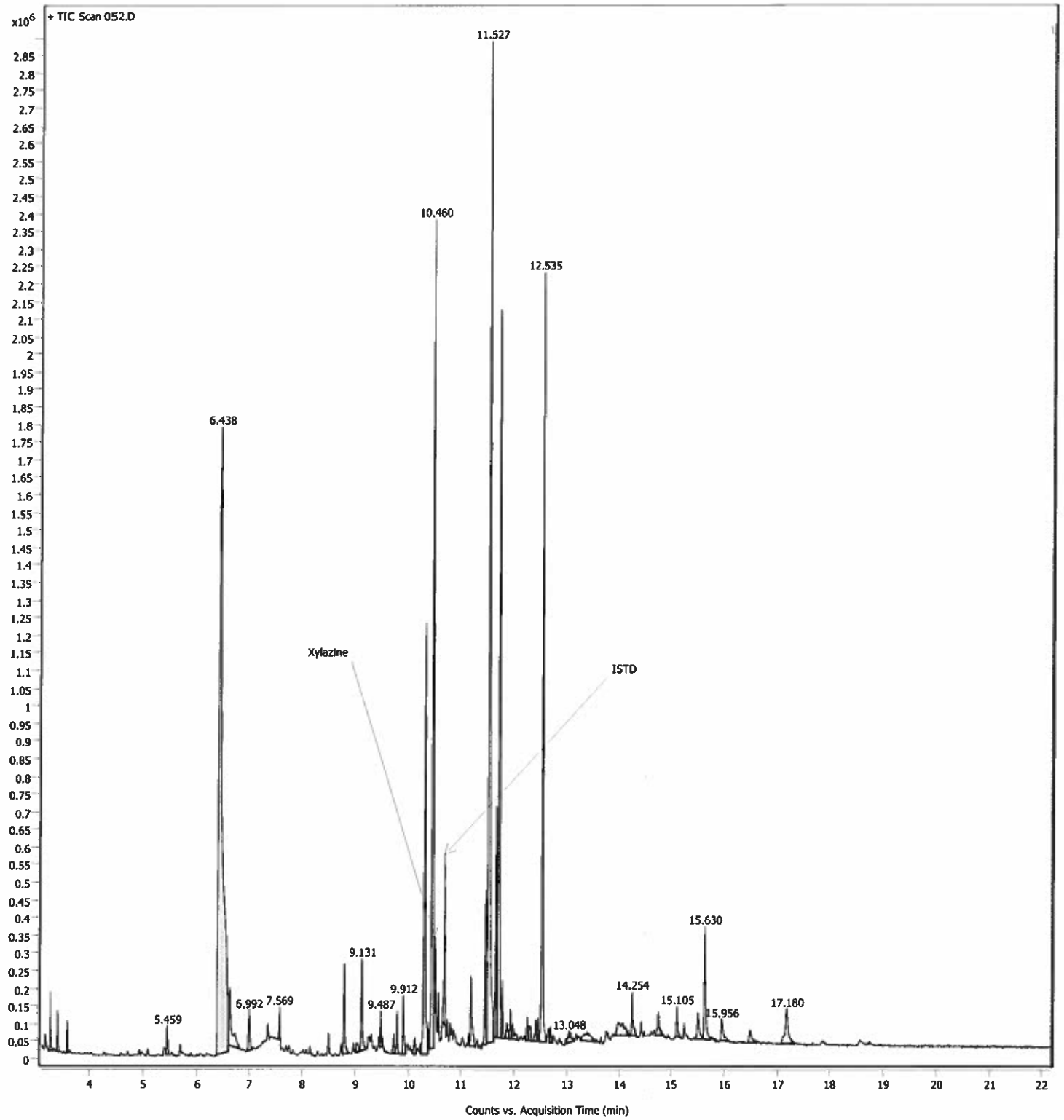
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 10 W/ISTD 0.10 mg/L-LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\052.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 2:13:27 PM (UTC-04:00)
Position	84	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

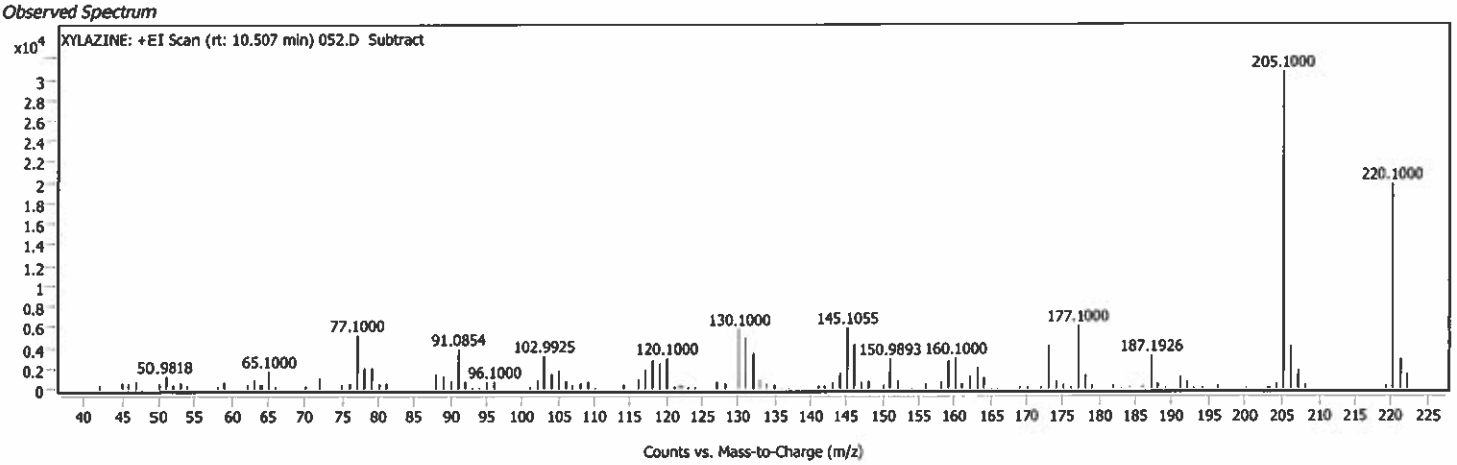
Agilent

Sample Spectra

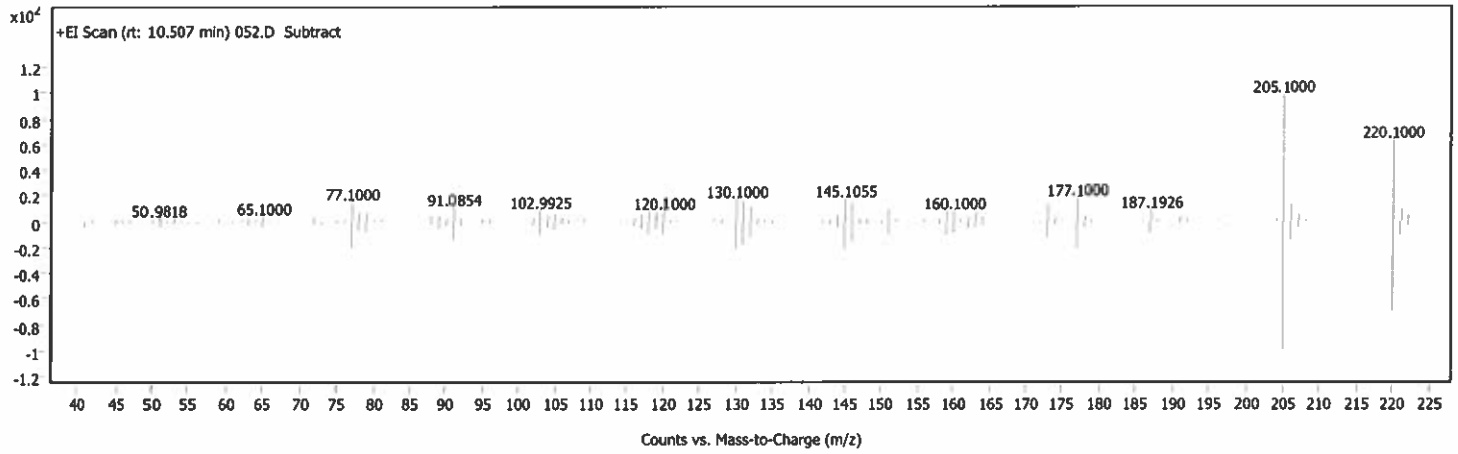
+ Scan (rt: 10.507 min) Sub **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	94.41	aafs.l	MATRIX 10 W/ISTD 0.10 mg/L-LVR	KM/QC DATA IN XYLAZINE VALIDATION

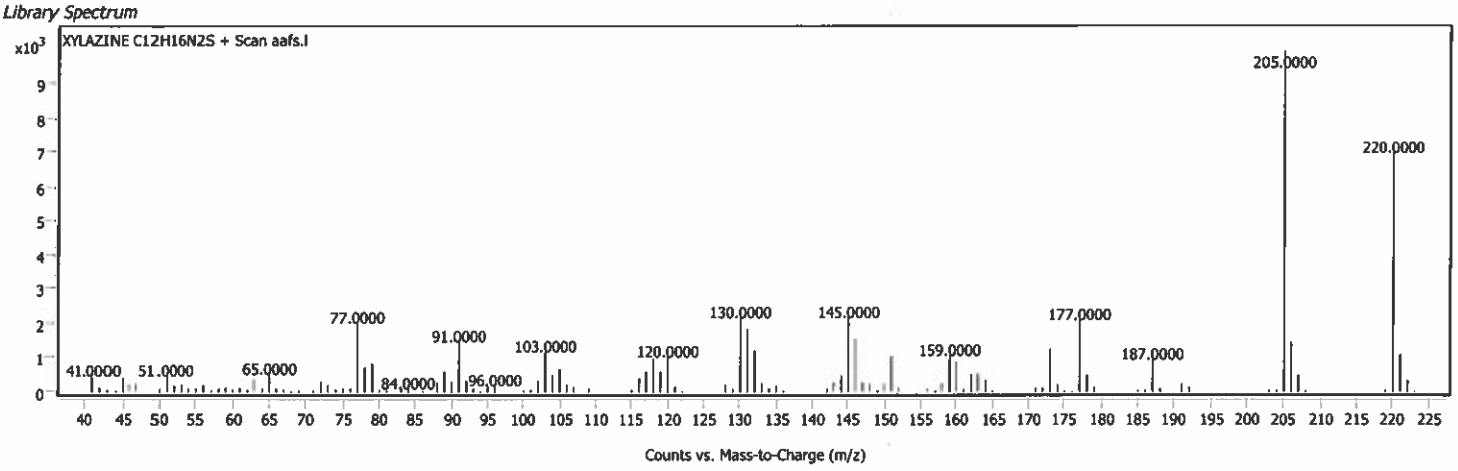
Observed Spectrum



Mirror Plot



Library Spectrum



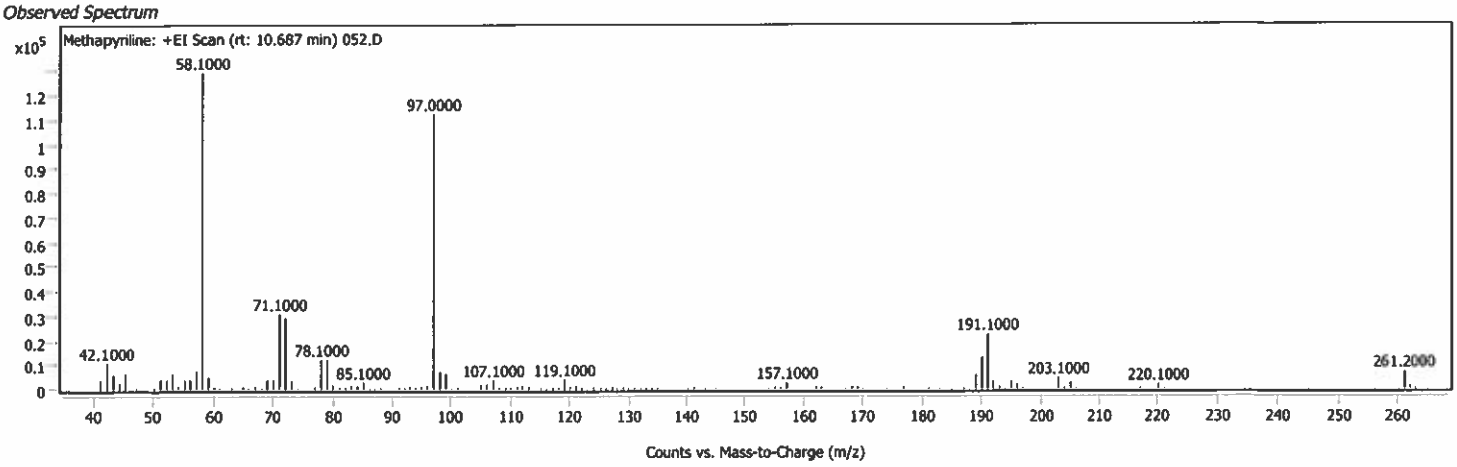
Analysis Report

Agilent

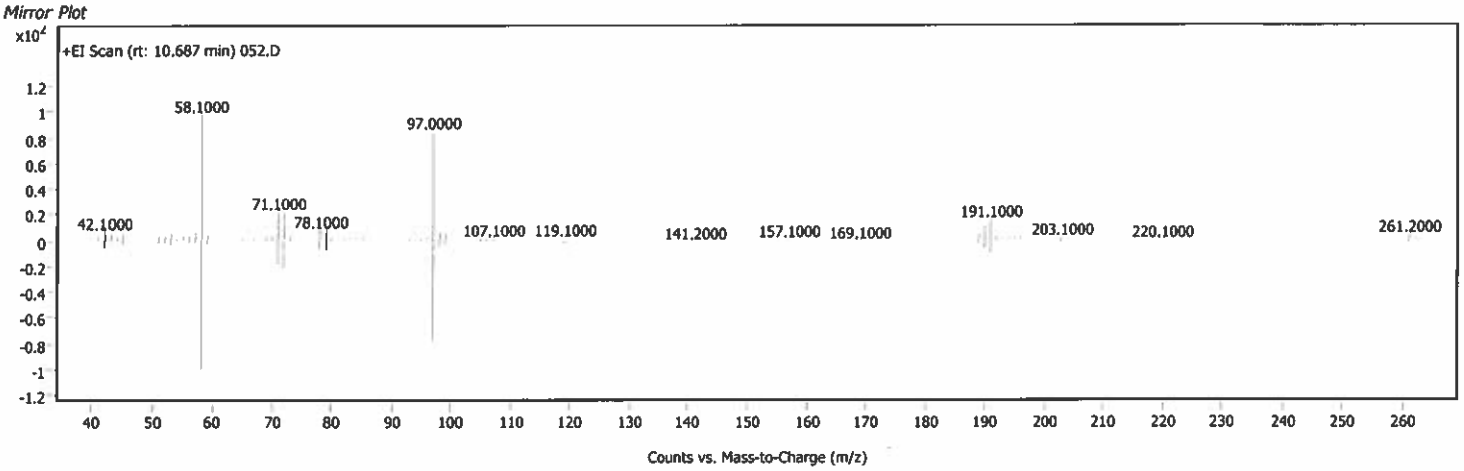
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	92.85	SWGDRUG 3.3.L	MATRIX 10 W/ISTD 0.10 mg/L-LVR	KM/QC DATA IN XYLAZINE VALIDATION

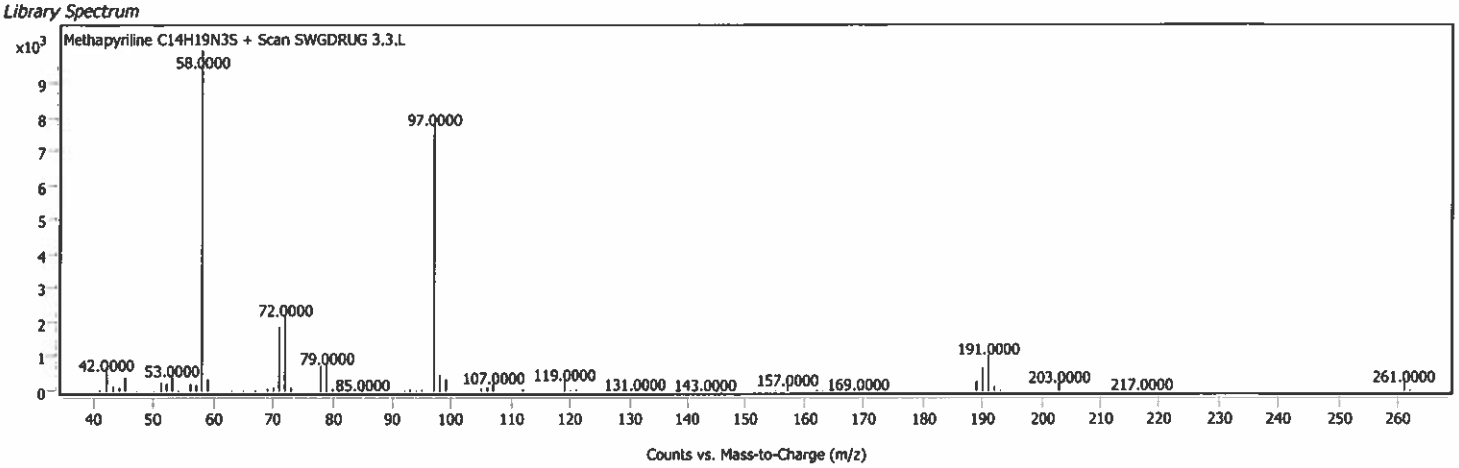
Observed Spectrum



Mirror Plot

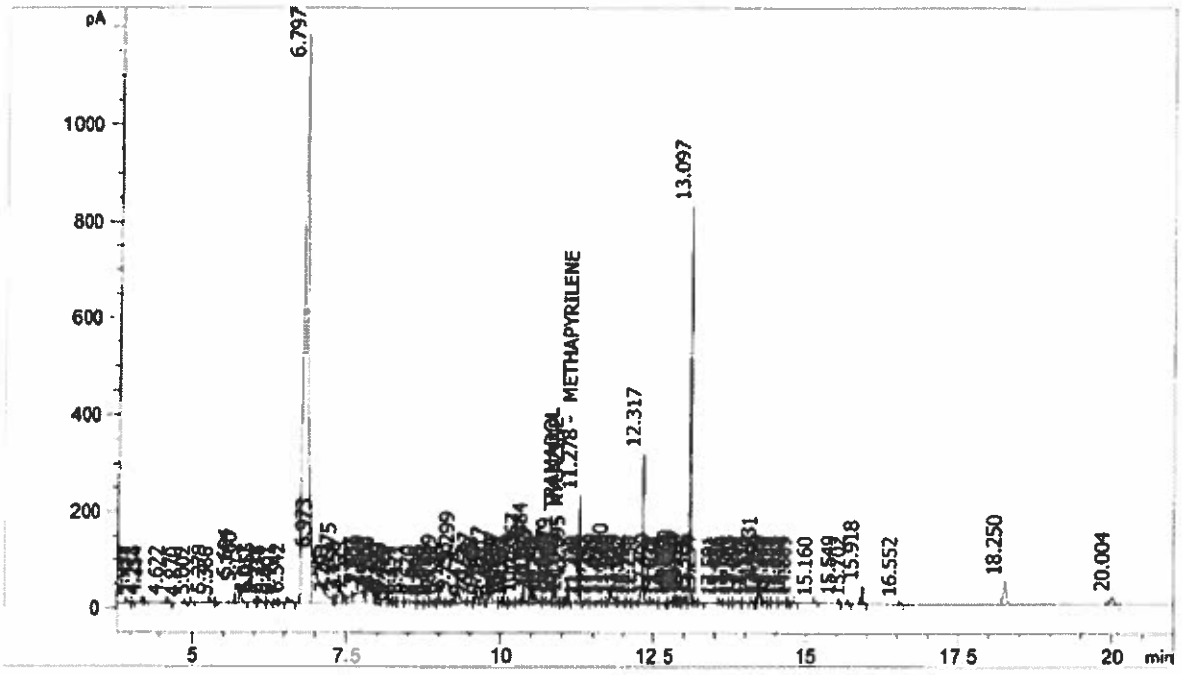


Library Spectrum



Injection Date: 9/29/2021 1:16:08 PM Seq Line: 59
Sample Name: MATRIX 10 W/ISTD 0.10-> Vial 90
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION

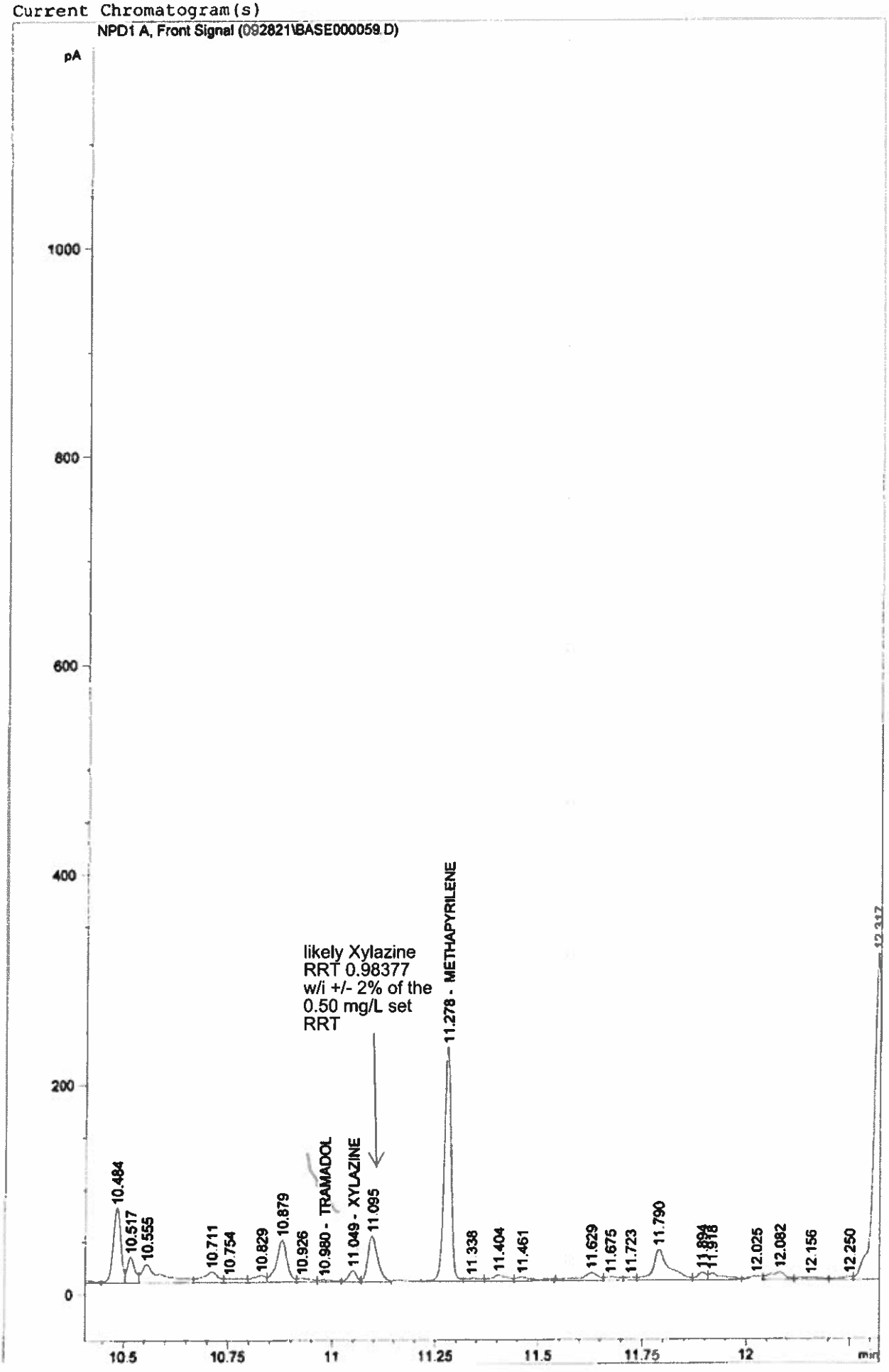


see expanded chromatogram on following page

RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
10.980	11.033	5.877	2.259	0.000000	TRAMADOL
11.049	11.046	15.449	11.191	0.000000	XYLAZINE see following page
11.278	11.278	267.175	223.779	1.000000	METHAPYRILENE

Not used in average of RRTs

Current Chromatogram(s)



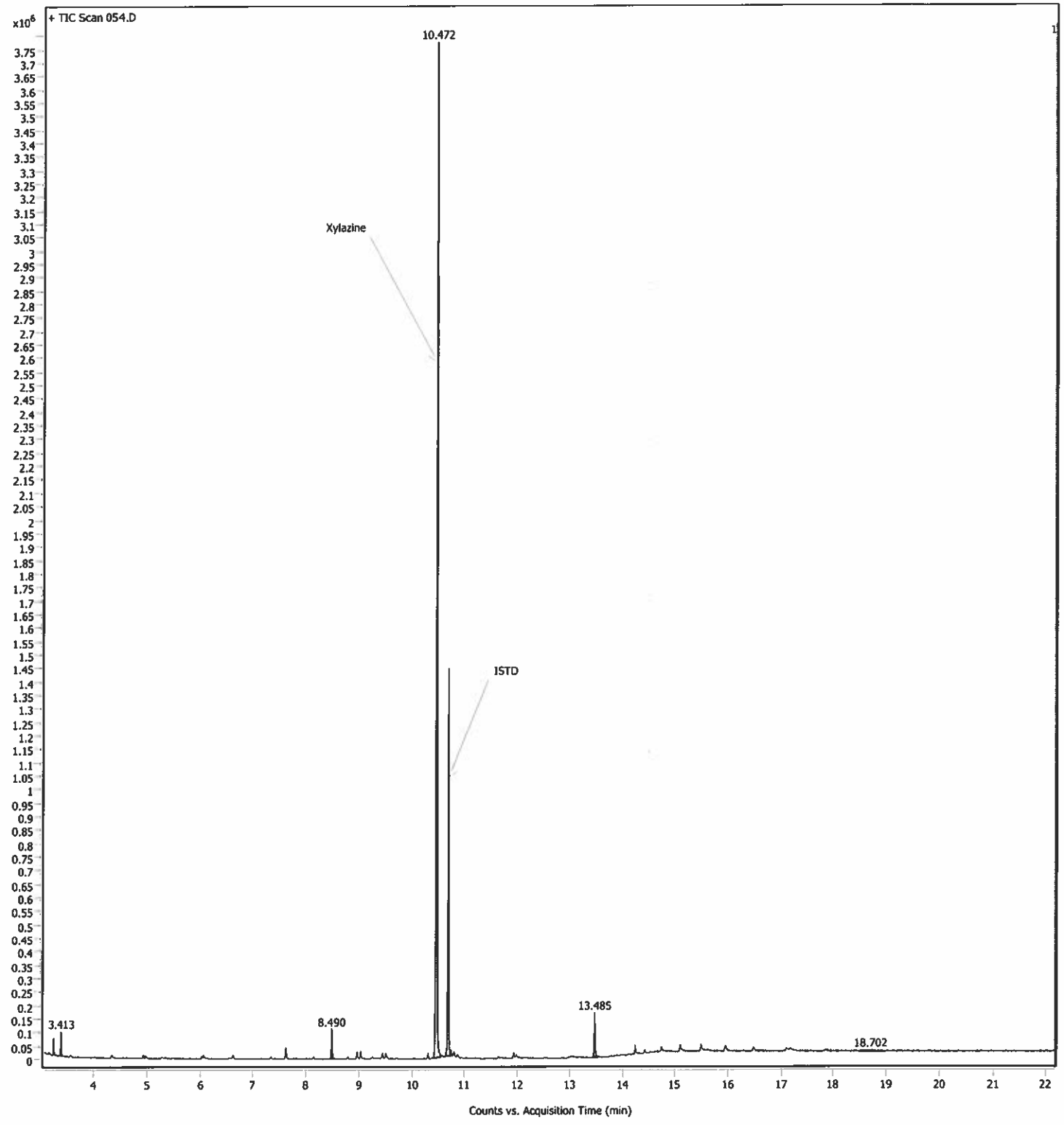
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX Z/W ISTD 2.0 mg/L- BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\054.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 3:05:10 PM (UTC-04:00)
Position	86	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

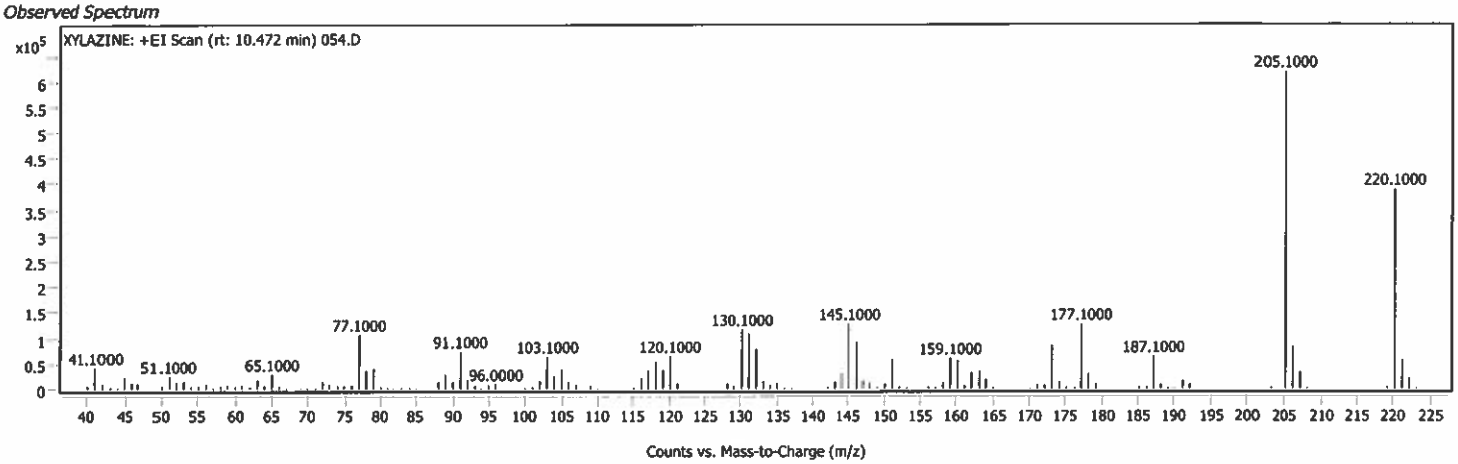
Agilent

Sample Spectra

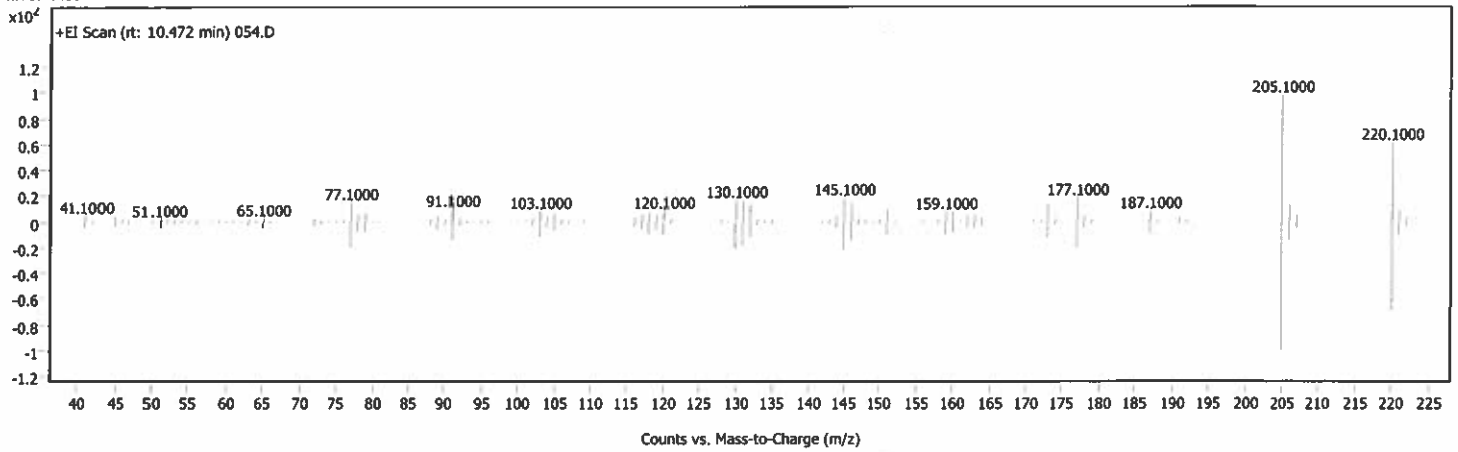
+ Scan (rt: 10.472 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.72	aafs.l	MATRIX 2/W ISTD 2.0 mg/L- BLD	KM/QC DATA IN XYLAZINE VALIDATION

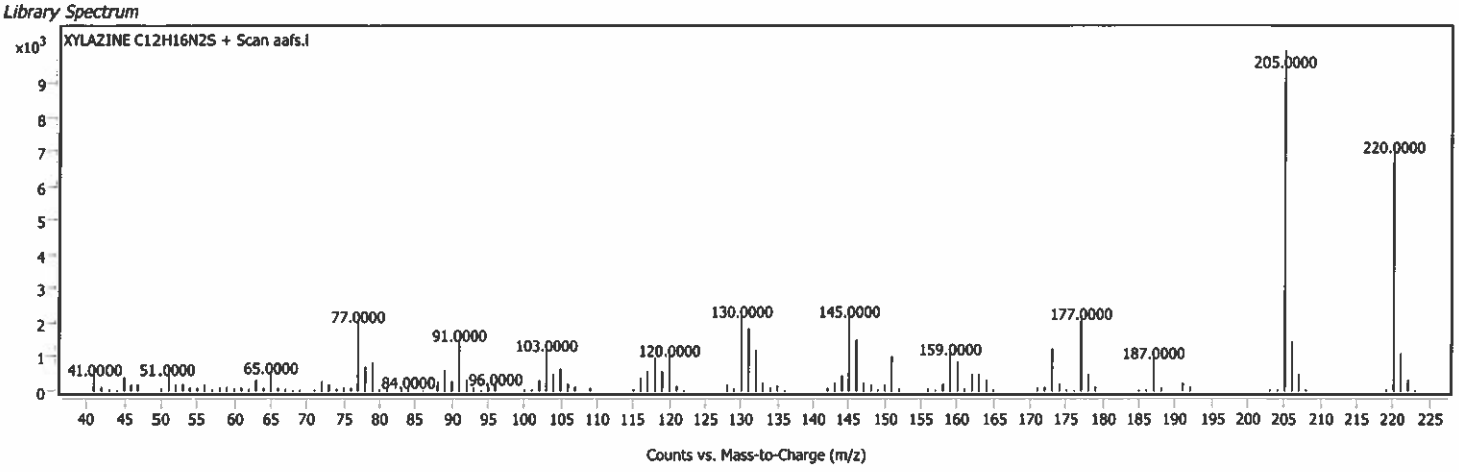
Observed Spectrum



Mirror Plot



Library Spectrum



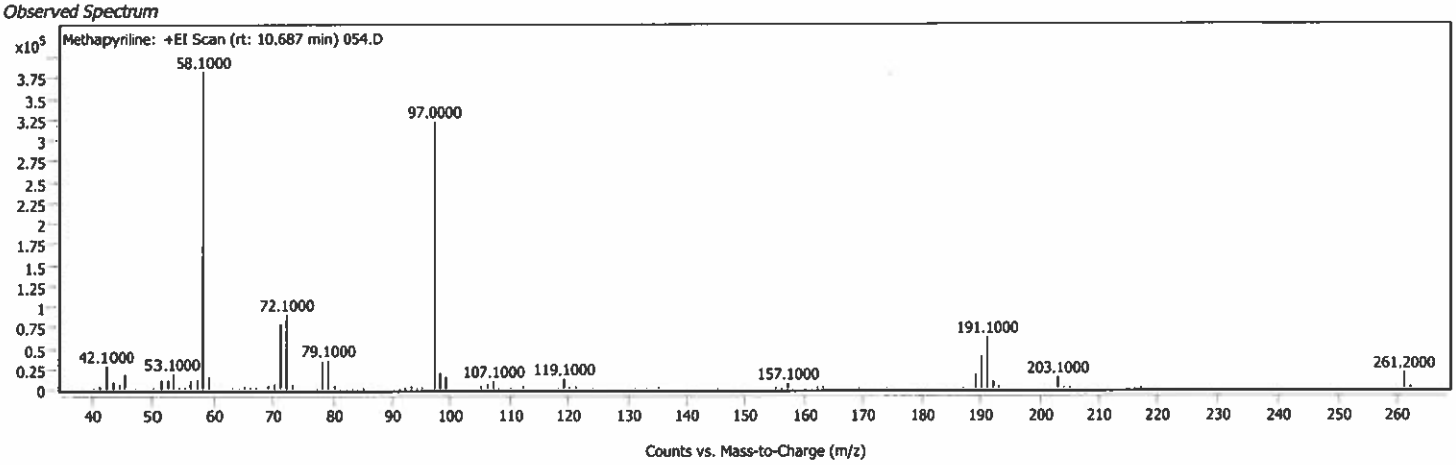
Analysis Report

Agilent

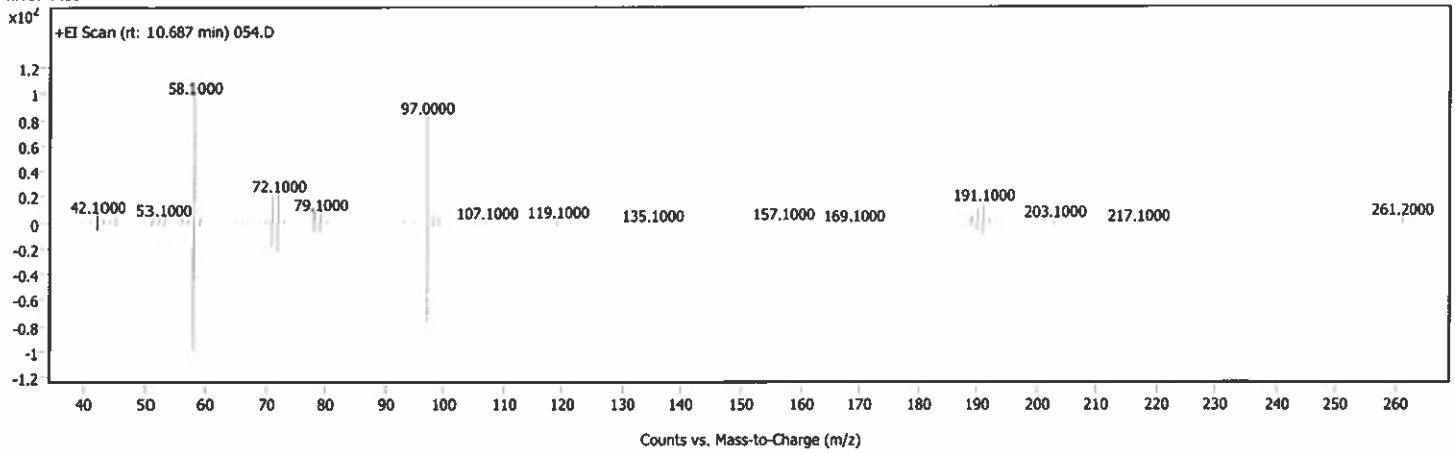
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.61	SWGDRUG 3.3.L	MATRIX 2/W ISTD 2.0 mg/L- BLD	KM/QC DATA IN XYLAZINE VALIDATION

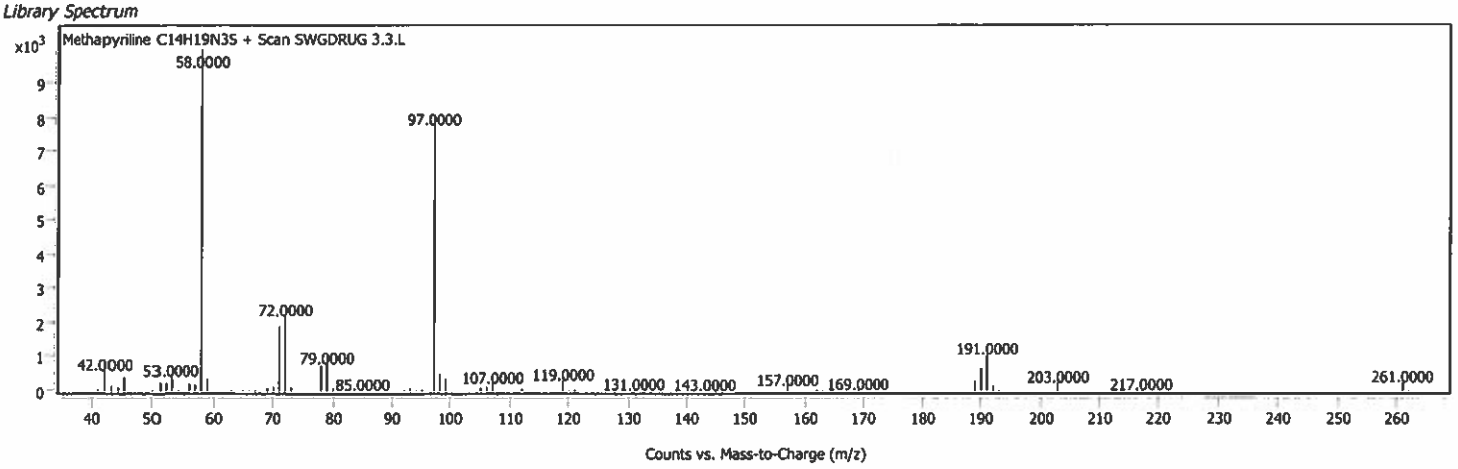
Observed Spectrum



Mirror Plot

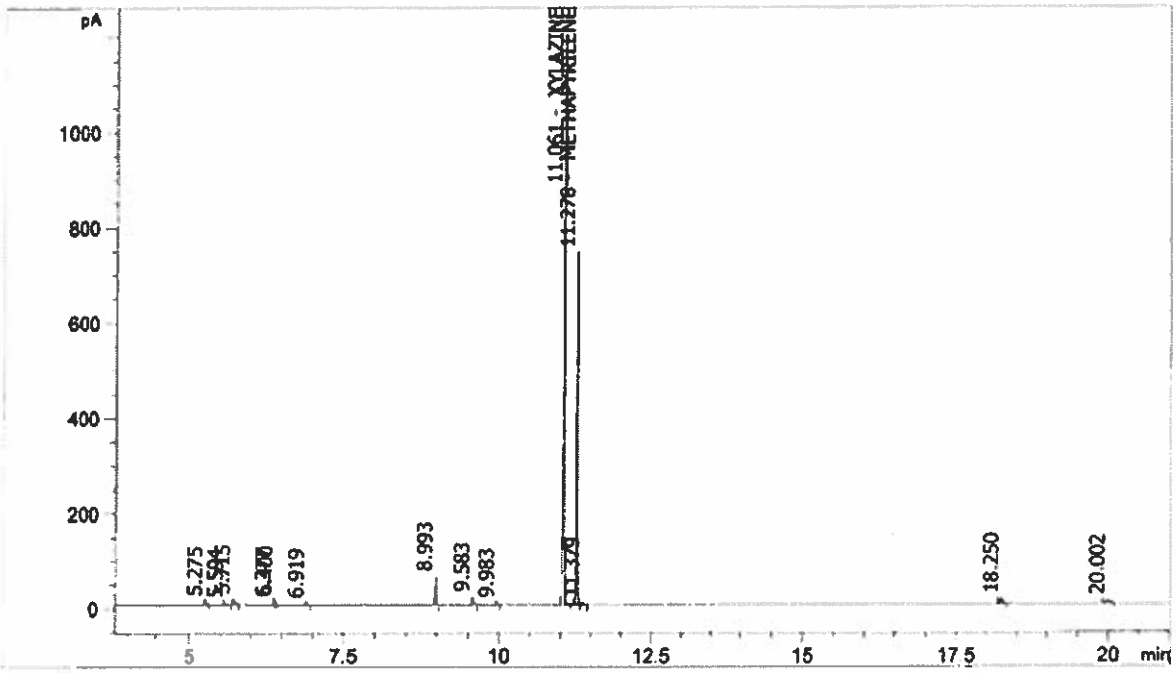


Library Spectrum



Injection Date: 9/29/2021 2:05:03 PM Seq Line: 61
Sample Name: MATRIX 2 W/ISTD 2.0 m-> Vial 92
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.061	11.046	1756.485	1180.927	0.000000	XYLAZINE RRT-0.9808
11.278	11.278	857.154	742.535	1.000000	METHAPYRILENE

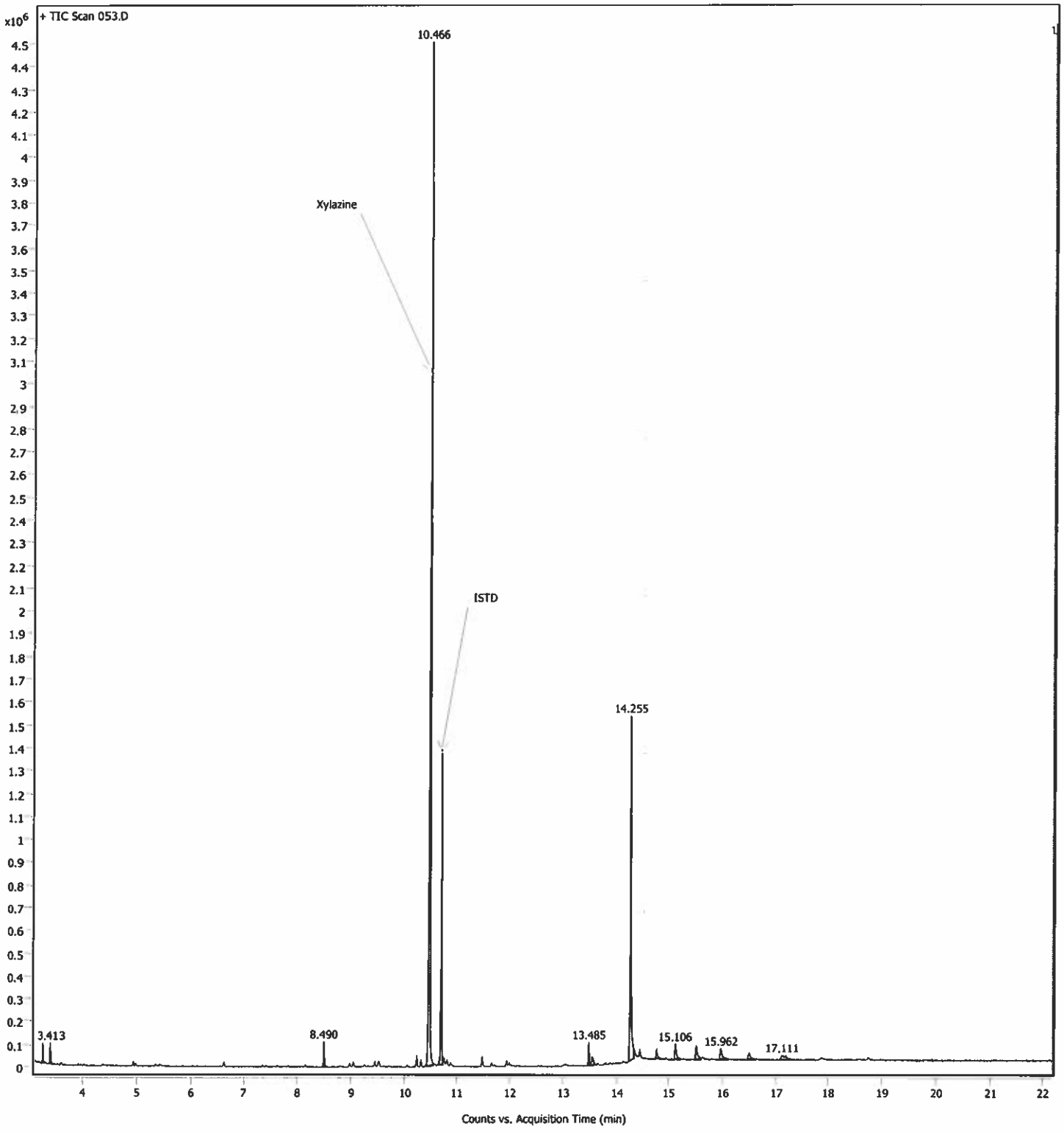
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 W/ISTD 2.0 mg/L - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\053.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 2:39:17 PM (UTC-04:00)
Position	85	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

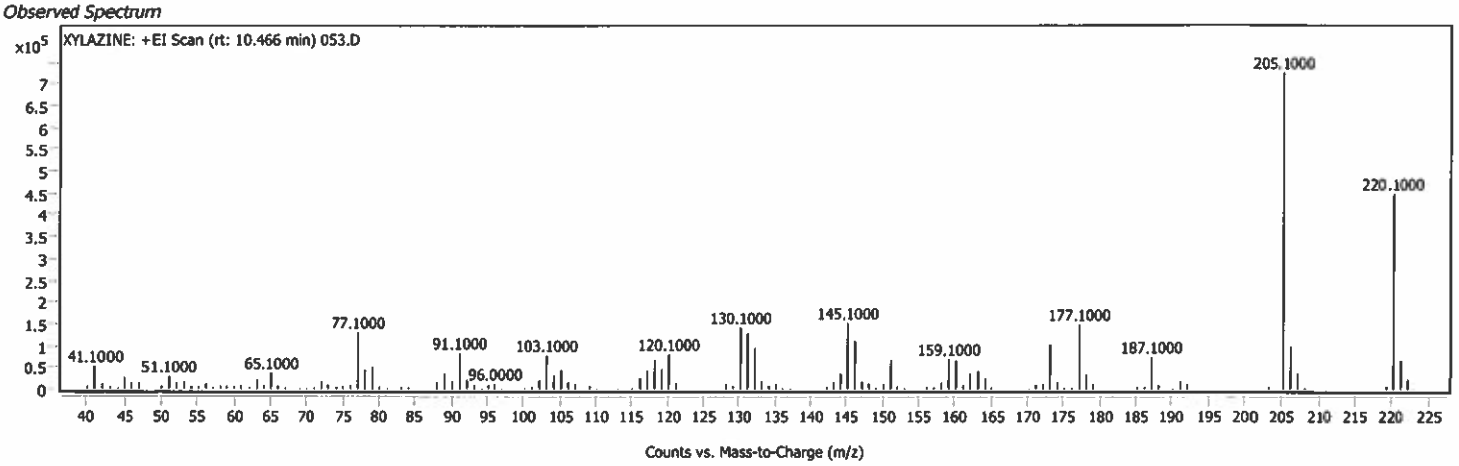
Agilent

Sample Spectra

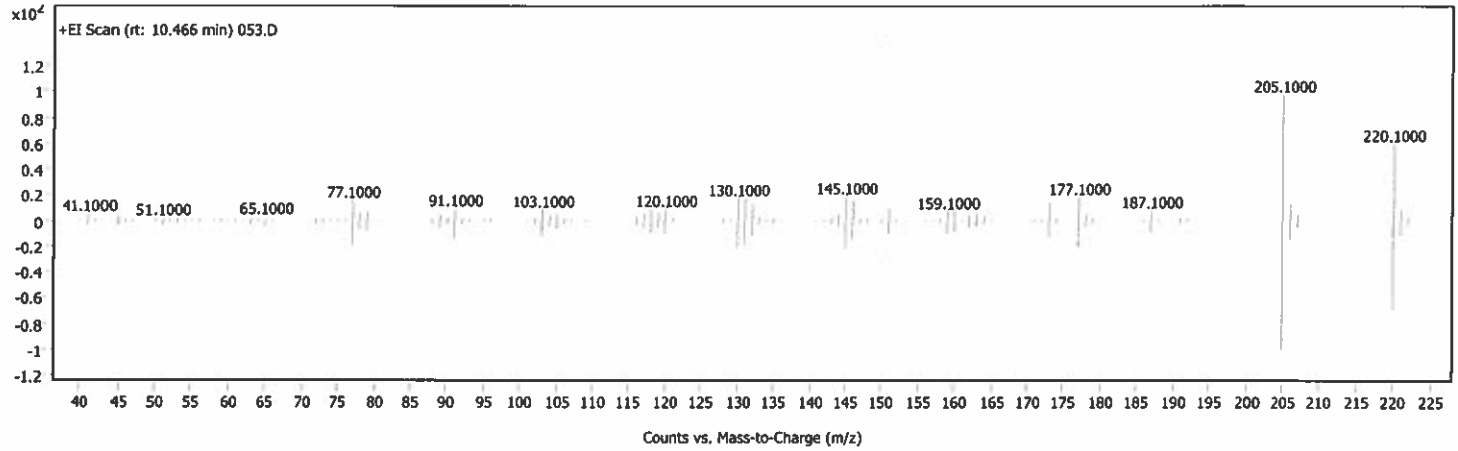
+ Scan (rt: 10.466 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.75	aafs.l	MATRIX 1 W/ISTD 2.0 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

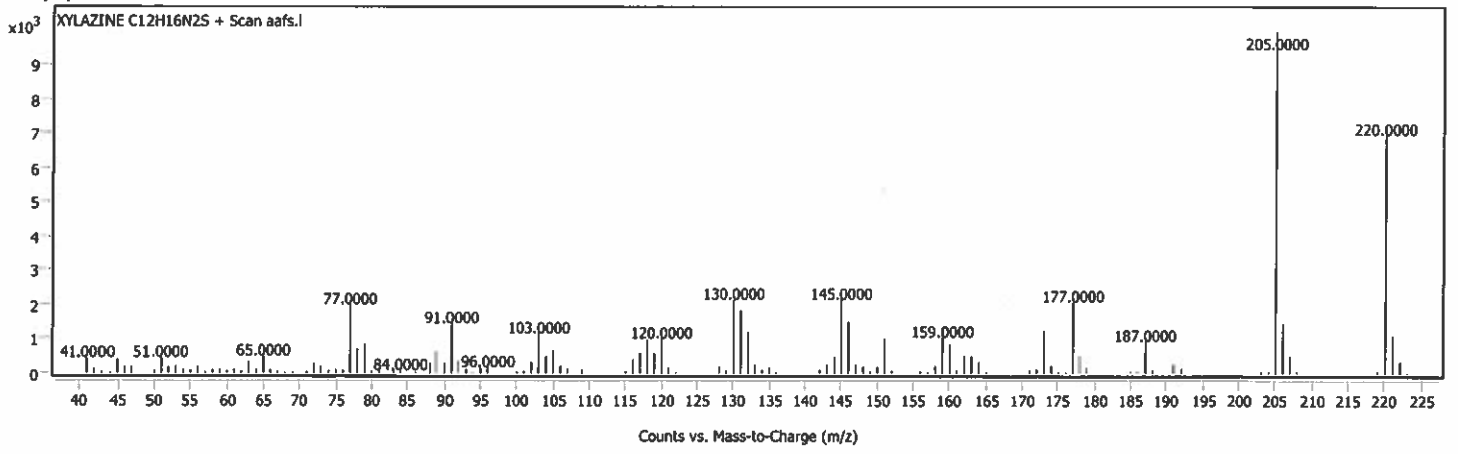
Observed Spectrum



Mirror Plot



Library Spectrum



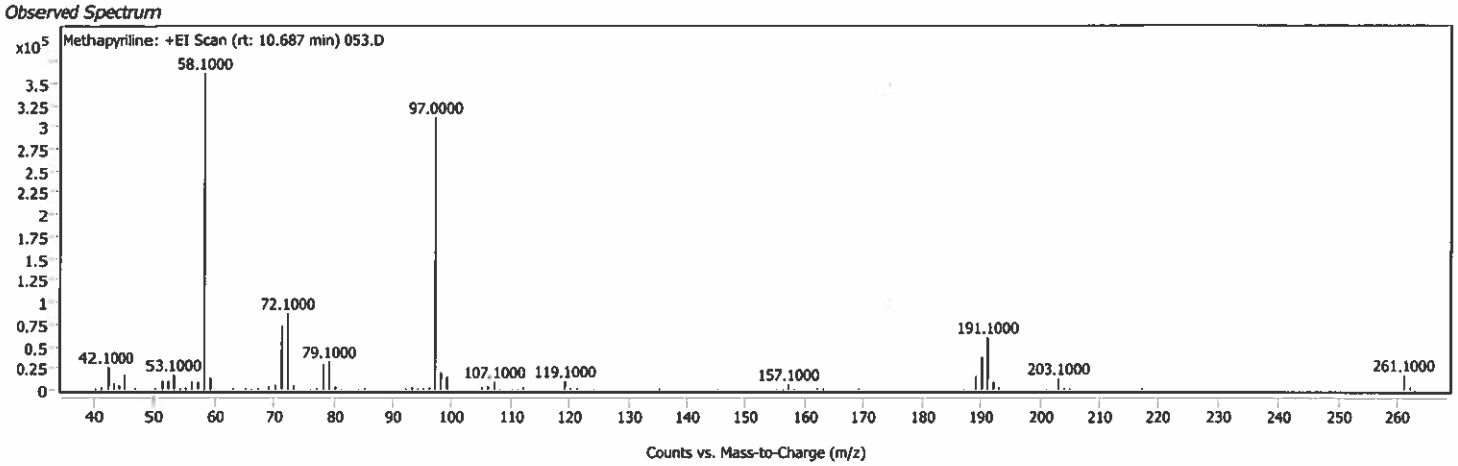
Analysis Report

Agilent

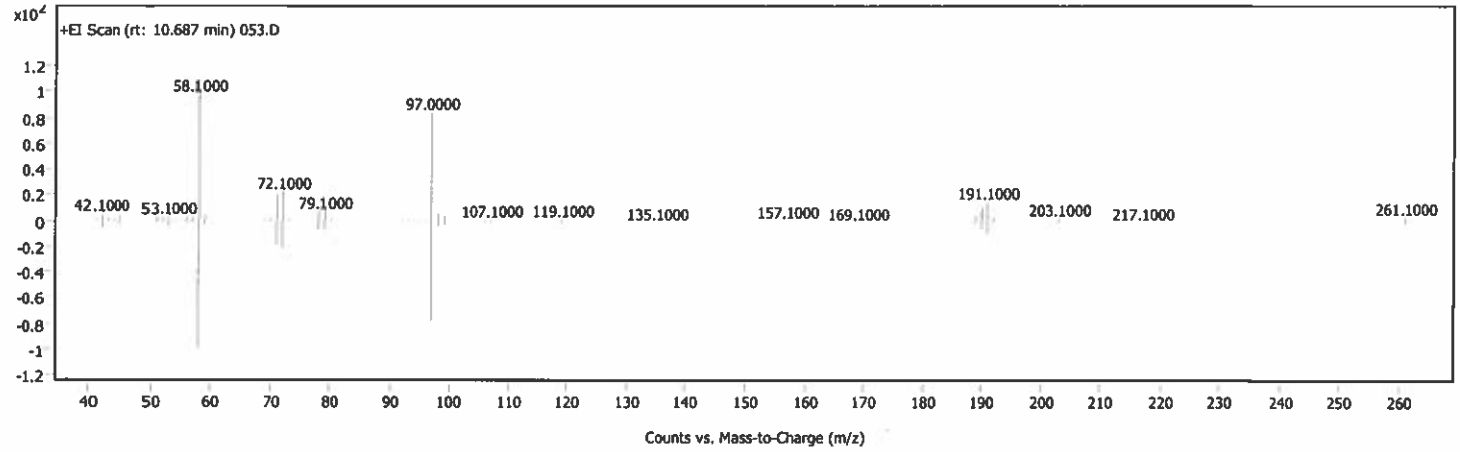
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.44	SWGDRUG 3.3.L	MATRIX 1 W/ISTD 2.0 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

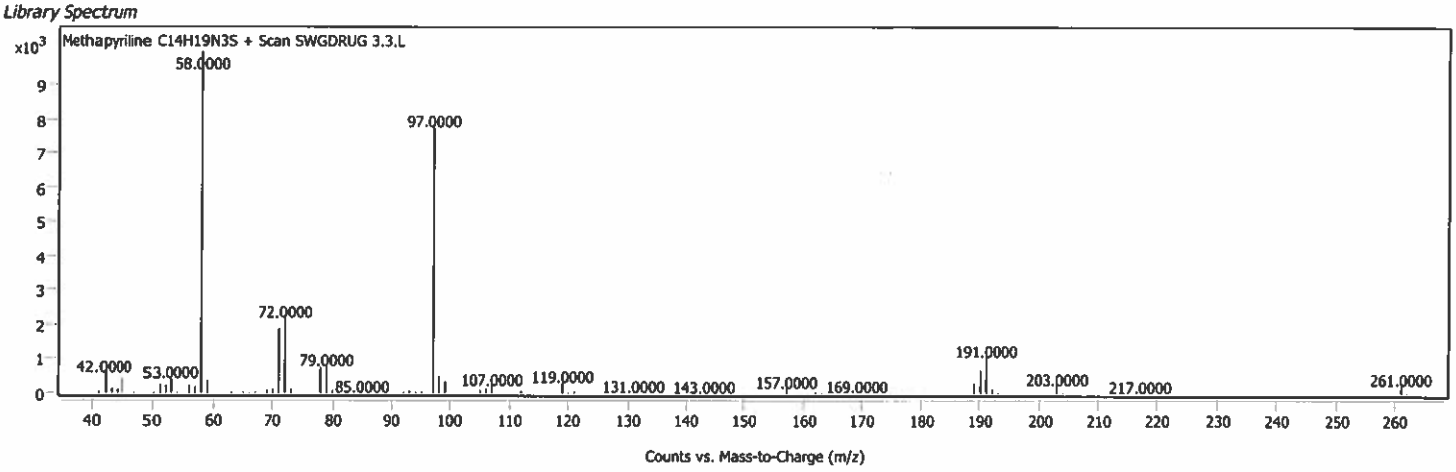
Observed Spectrum



Mirror Plot

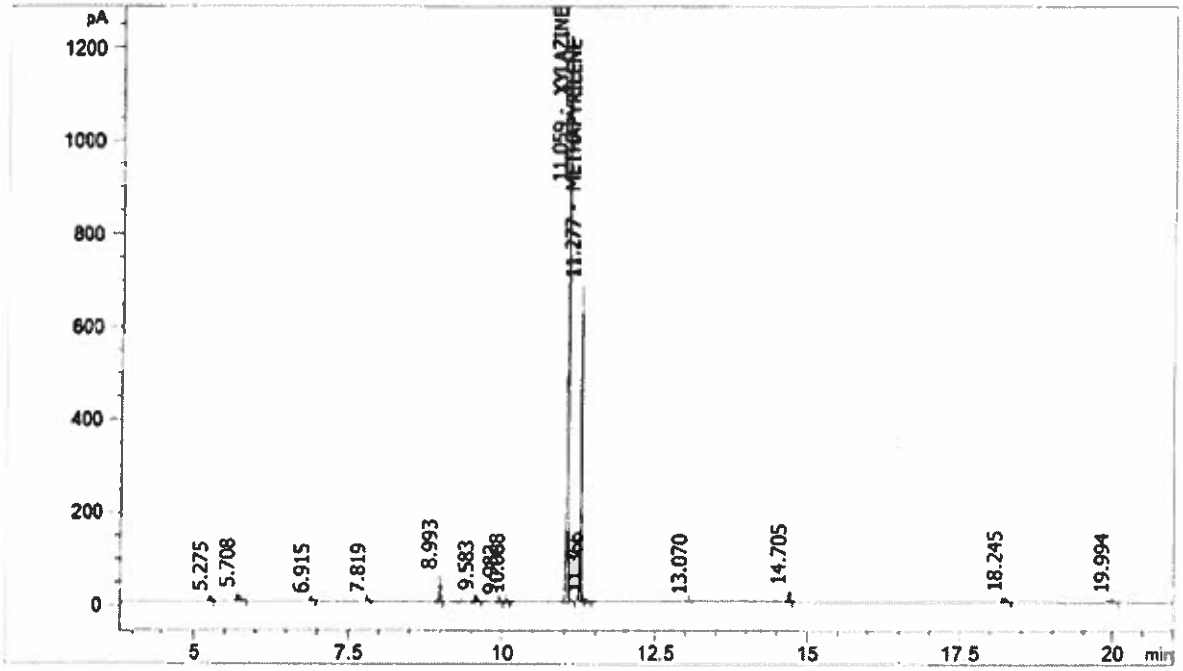


Library Spectrum



Injection Date: 9/29/2021 1:40:30 PM Seq Line: 60
Sample Name: MATRIX 1 W/ISTD 2.0 m-> Vial 91
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.059	11.046	1795.546	1218.081	0.000000	XYLAZINE RRT - 0.9807
11.277	11.278	790.096	683.578	1.000000	METHAPYRILENE

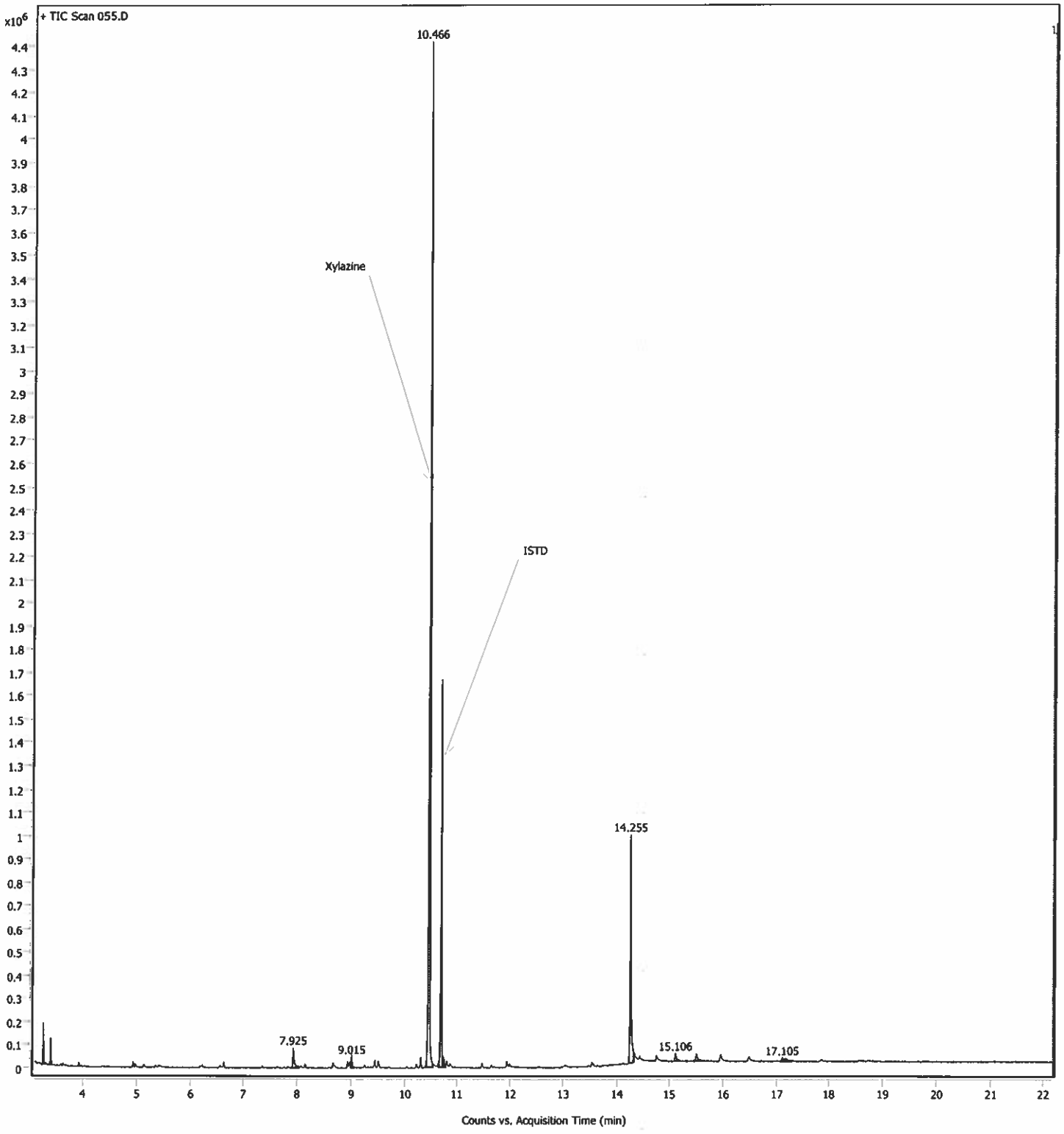
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 W/ISTD 2.0 mg/L- URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\055.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 3:30:58 PM (UTC-04:00)
Position	87	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

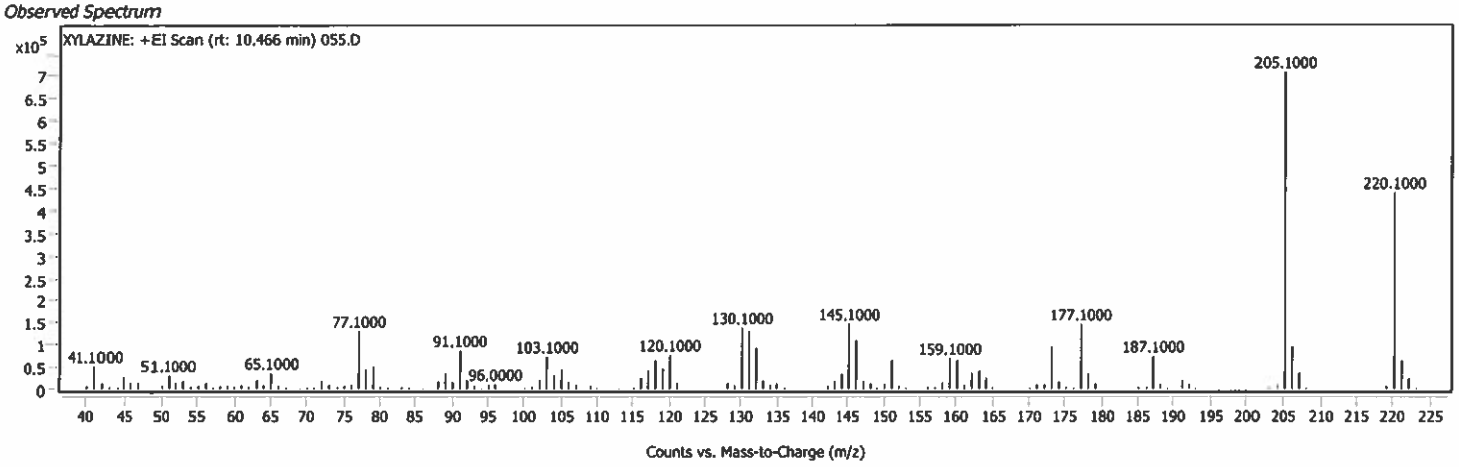
Agilent

Sample Spectra

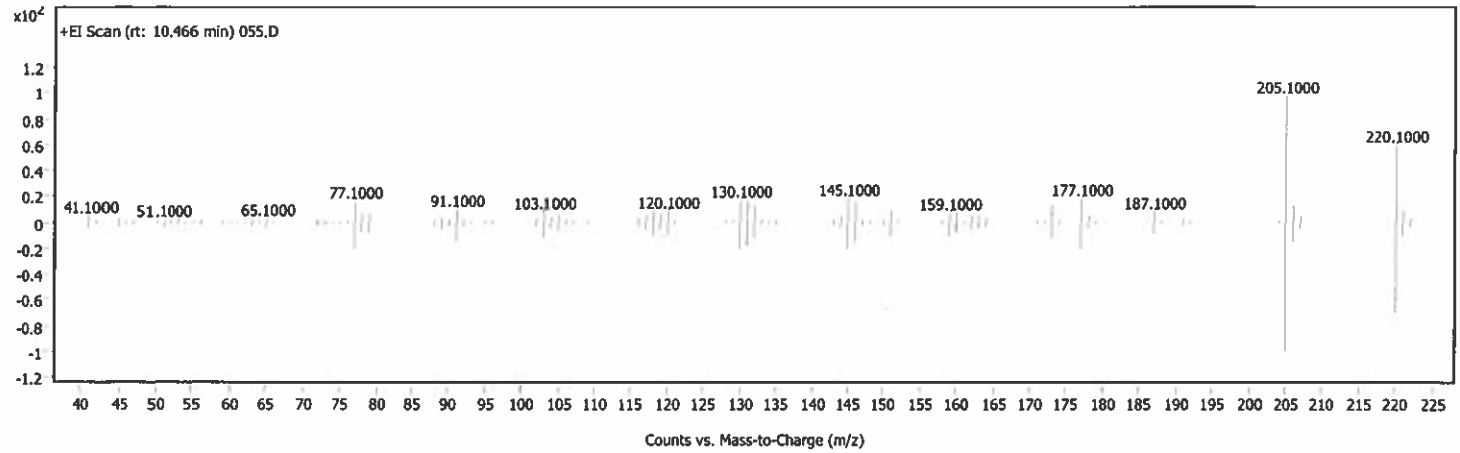
+ Scan (rt: 10.466 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.77	aafs.l	MATRIX 6 W/ISTD 2.0 mg/L- URN	KM/QC DATA IN XYLAZINE VALIDATION

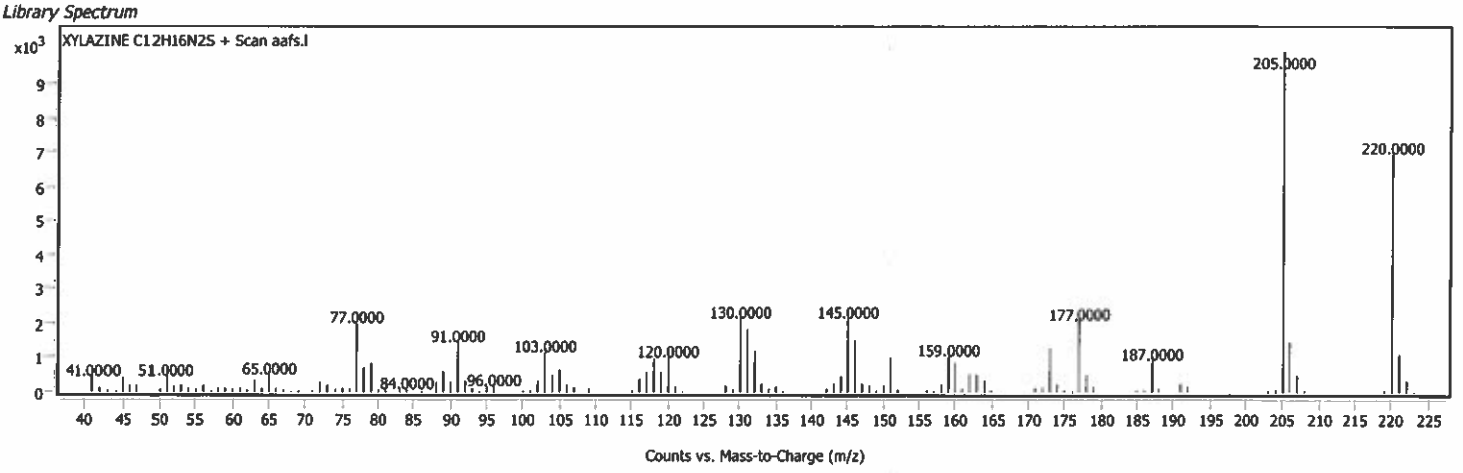
Observed Spectrum



Mirror Plot



Library Spectrum



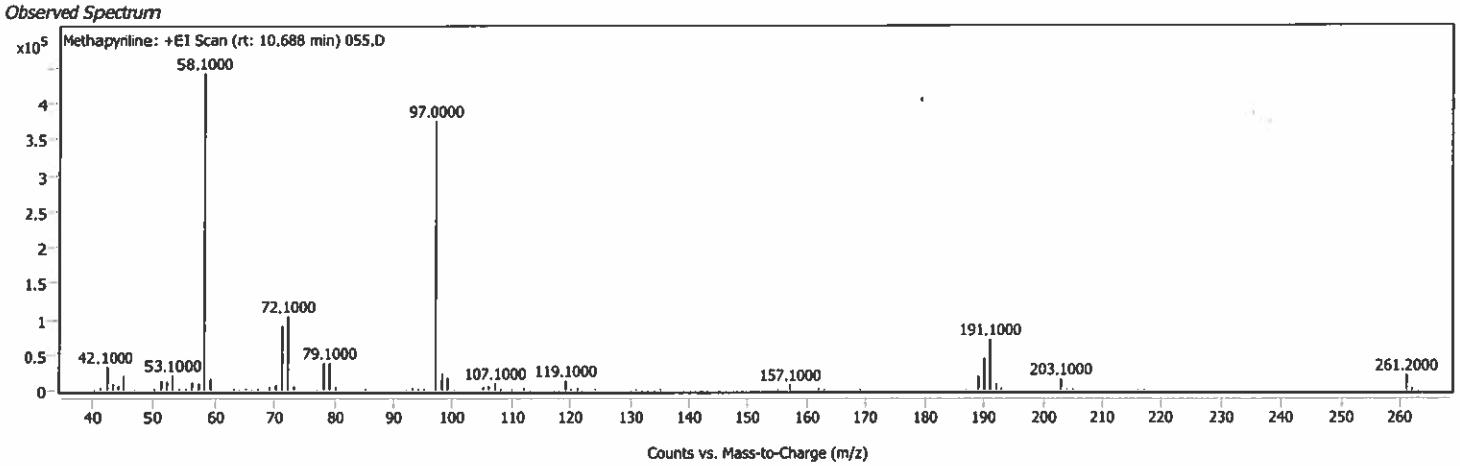
Analysis Report

Agilent

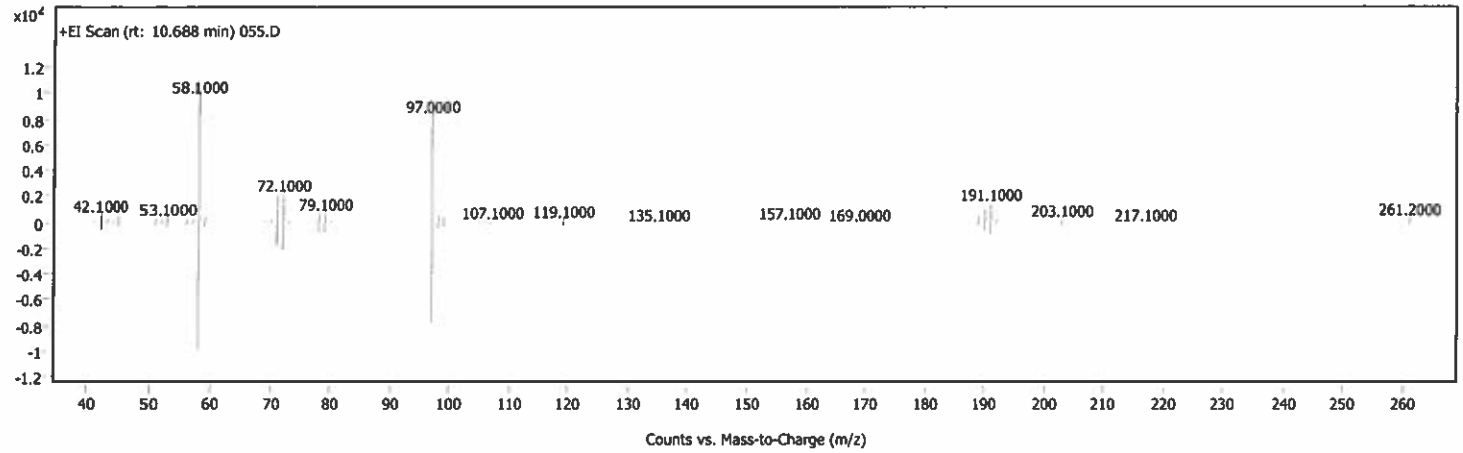
+ Scan (rt: 10.688 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.81	SWGDRUG 3.3.L	MATRIX 6 W/ISTD 2.0 mg/L- URN	KM/QC DATA IN XYLAZINE VALIDATION

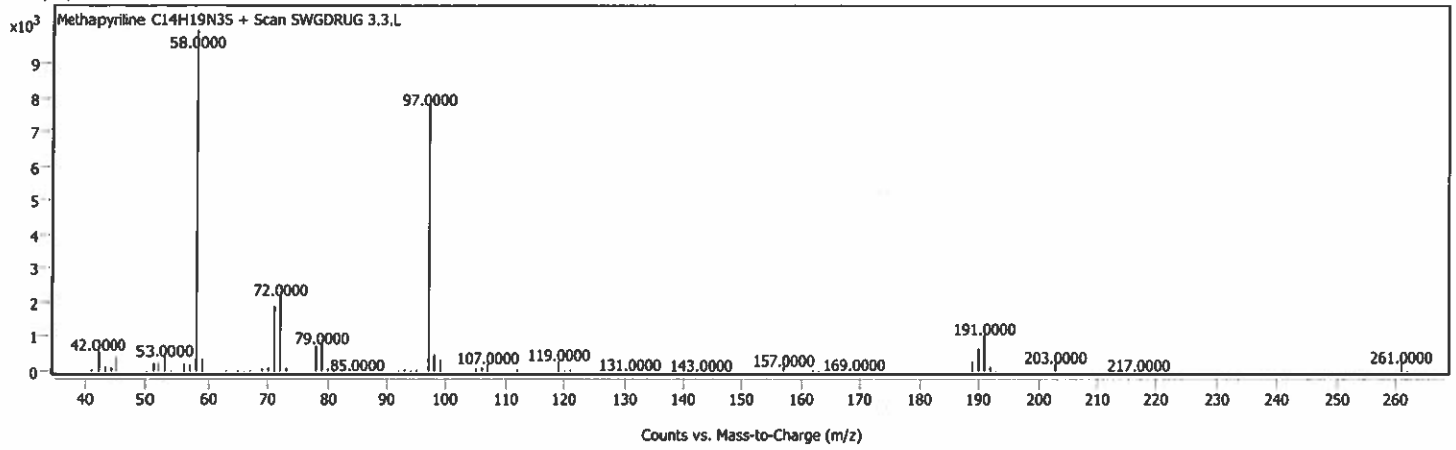
Observed Spectrum



Mirror Plot

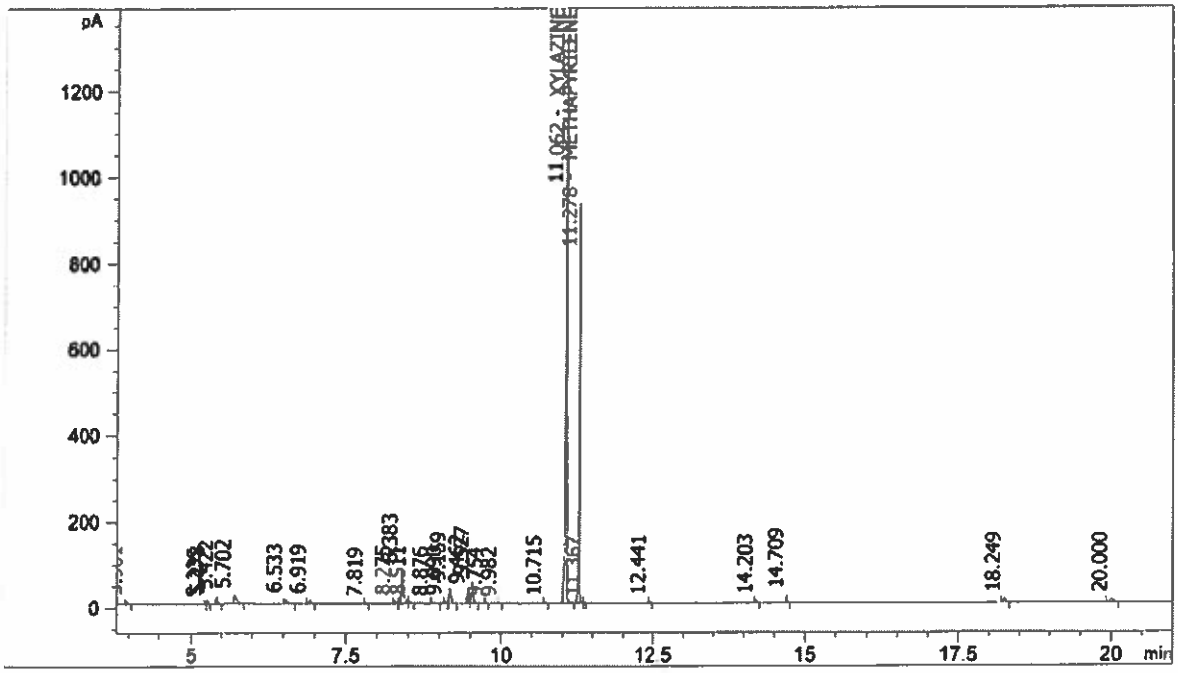


Library Spectrum



Injection Date: 9/29/2021 2:29:22 PM Seq Line: 62
Sample Name: MATRIX 6 W/ISTD 2.0 m-> Vial 93
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.062	11.046	2051.870	1314.079	0.000000	XYLAZINE RRT - 0.9808
11.278	11.278	1103.267	929.718	1.000000	METHAPYRILENE

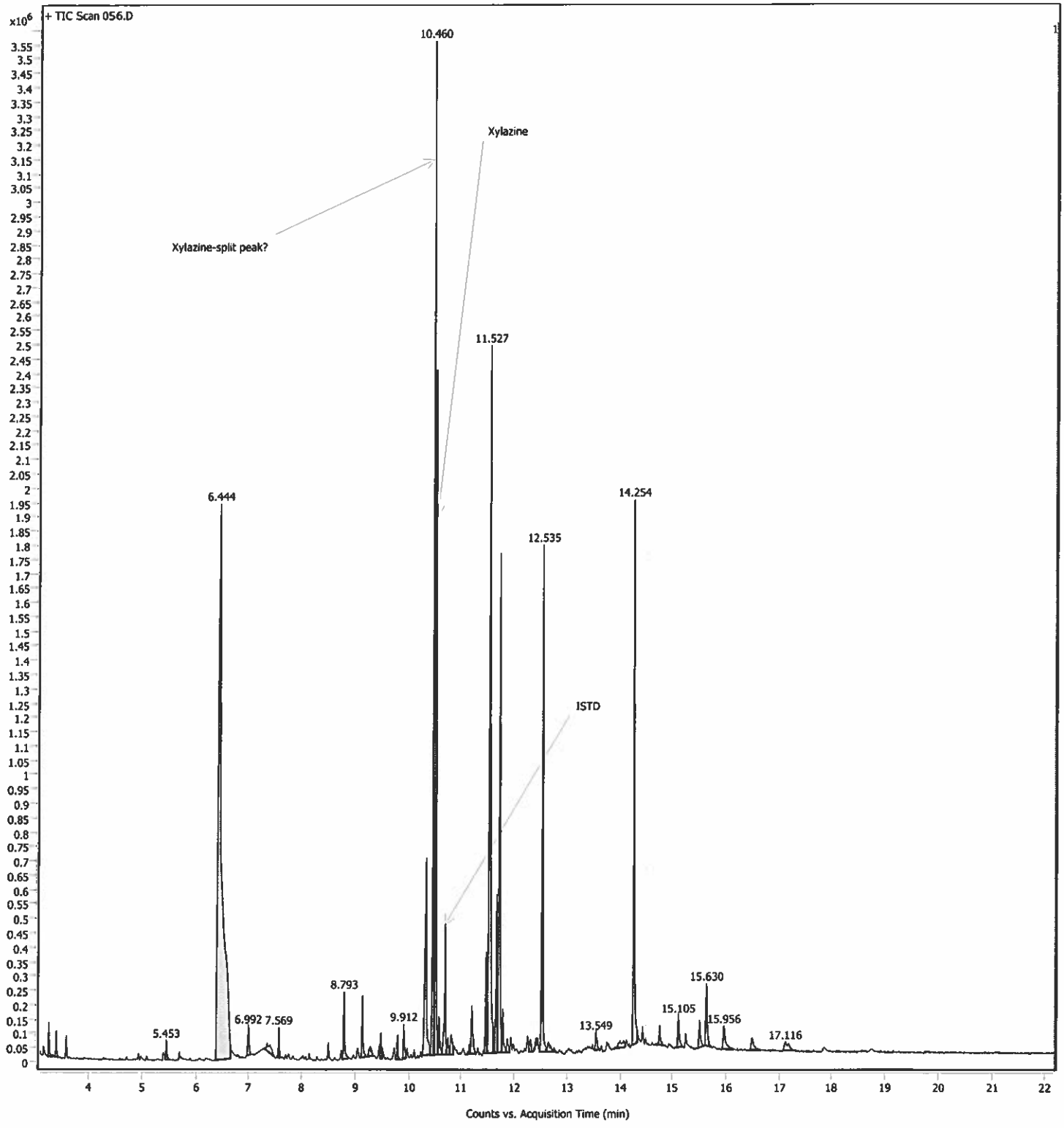
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 10 W/ISTD 2.0 mg/L- LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\056.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 3:56:47 PM (UTC-04:00)
Position	88	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

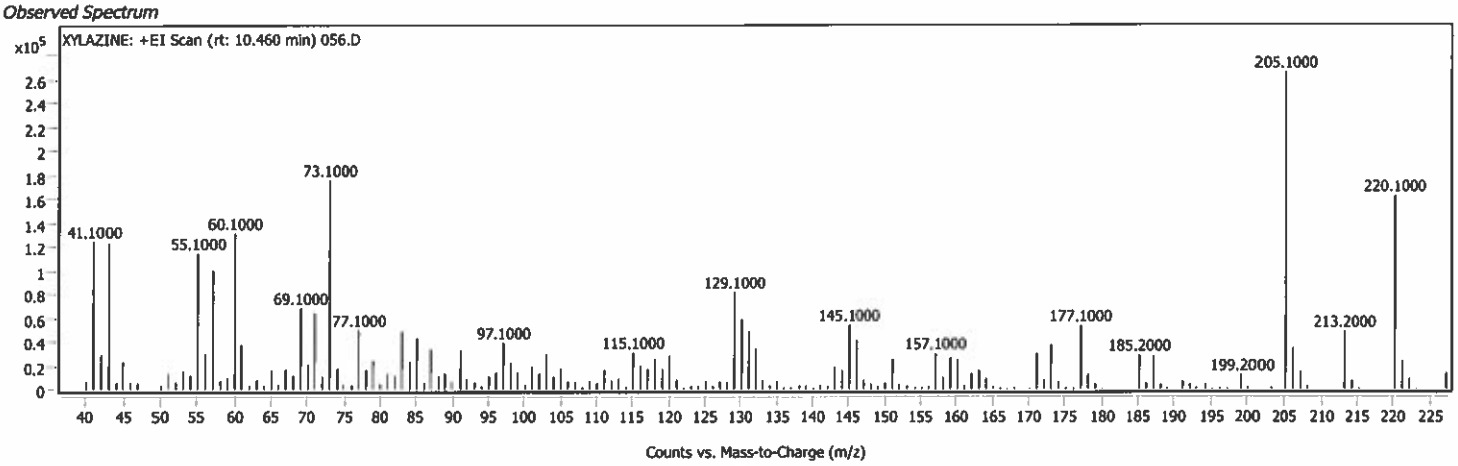
Agilent

Sample Spectra

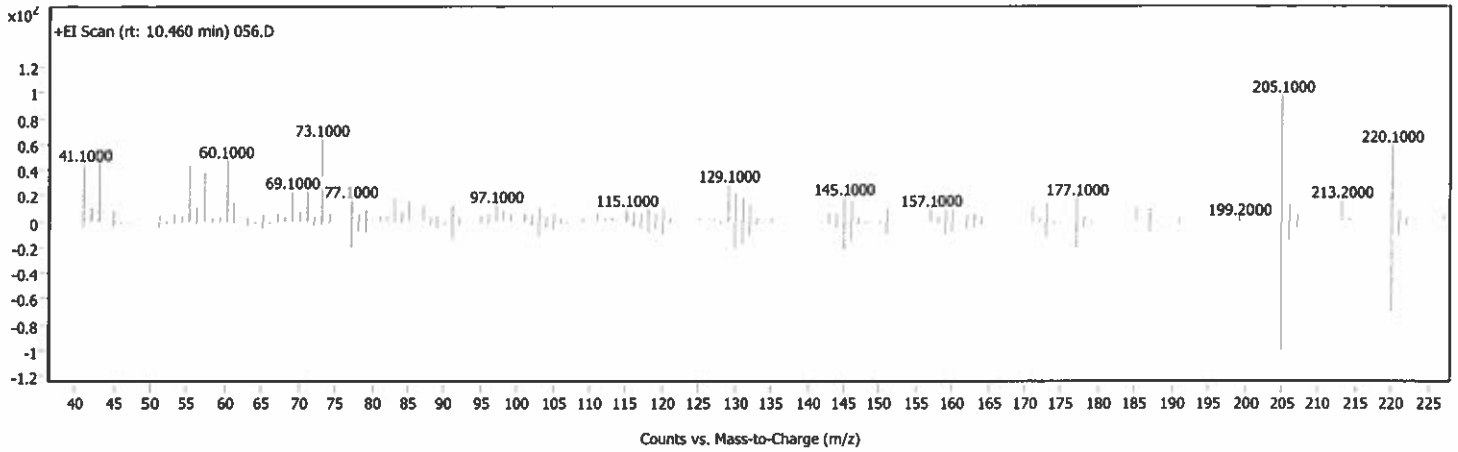
+ Scan (rt: 10.460 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	73.79	aafs.l	MATRIX 10 W/ISTD 2.0 mg/L- LVR	KM/QC DATA IN XYLAZINE VALIDATION

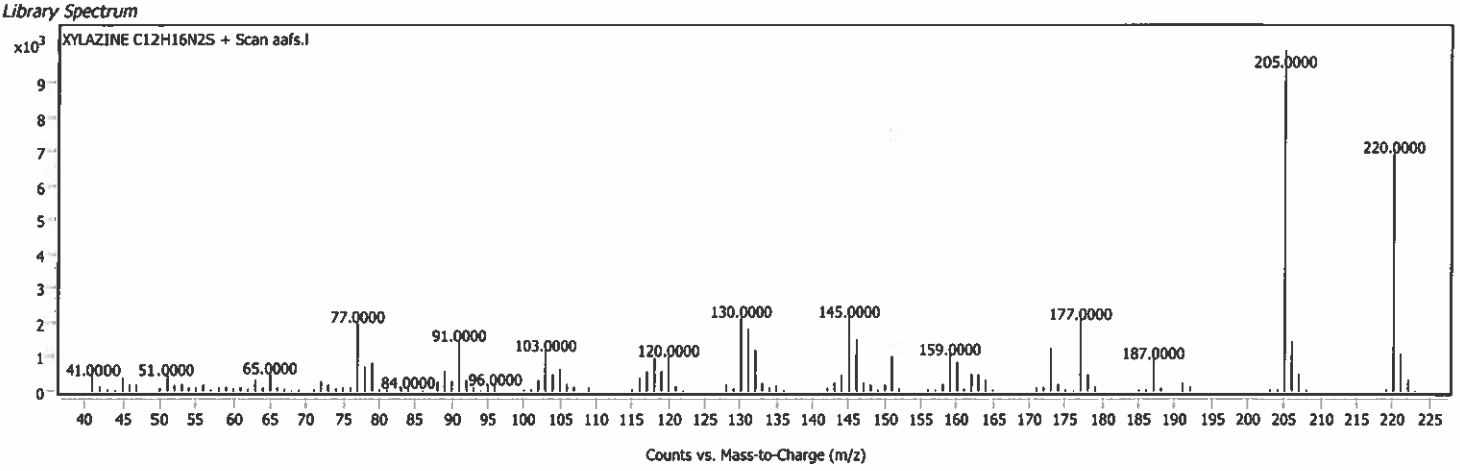
Observed Spectrum



Mirror Plot



Library Spectrum



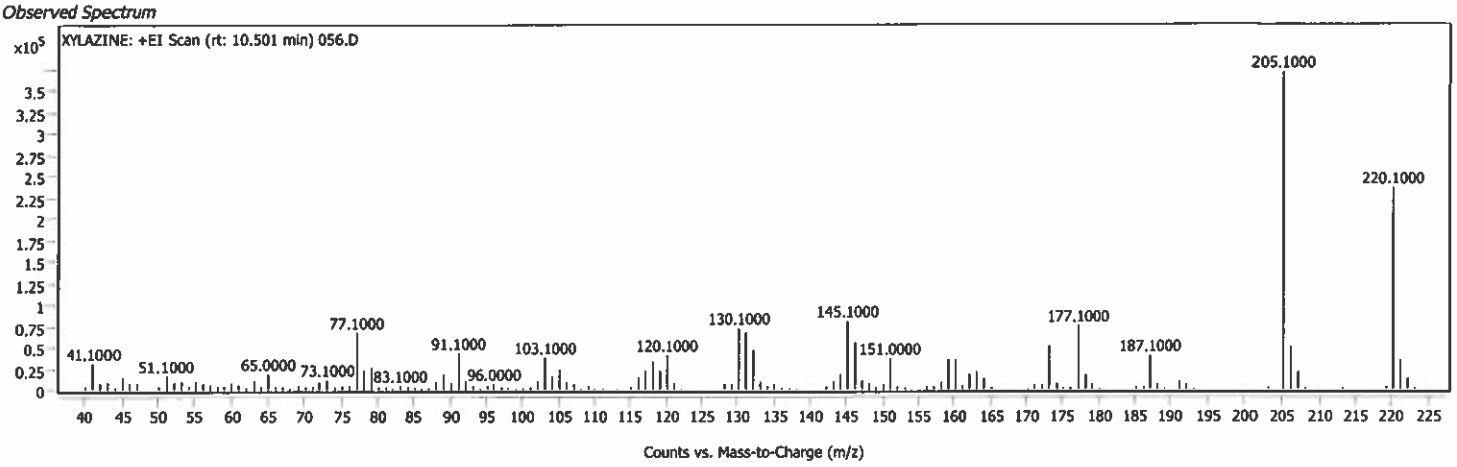
Analysis Report

Agilent

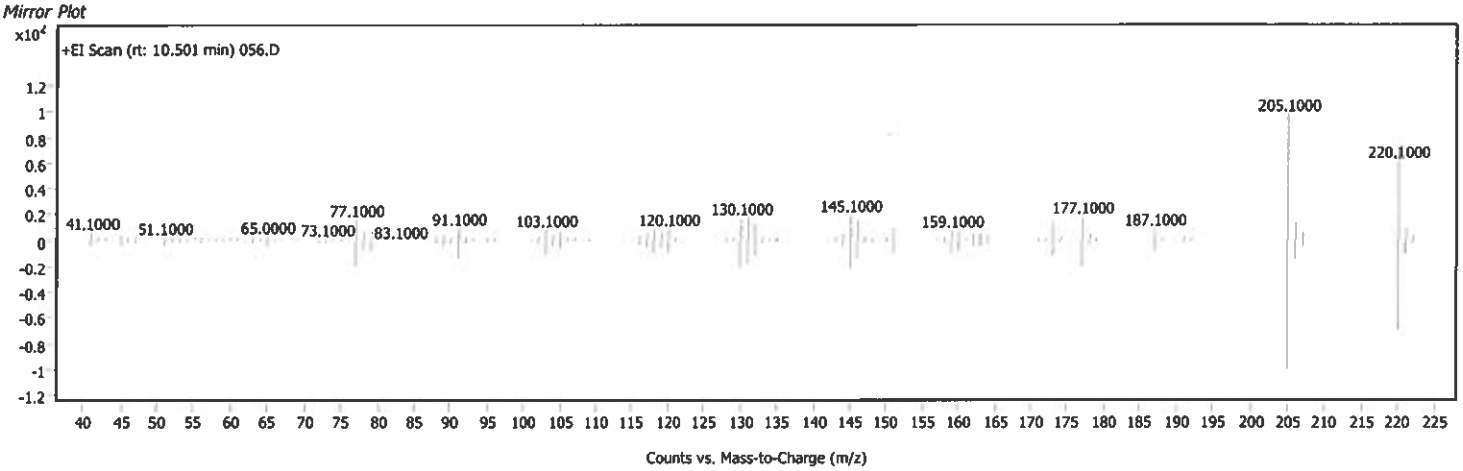
+ Scan (rt: 10.501 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	96.89	aafs.l	MATRIX 10 W/ISTD 2.0 mg/L- LVR	KM/QC DATA IN XYLAZINE VALIDATION

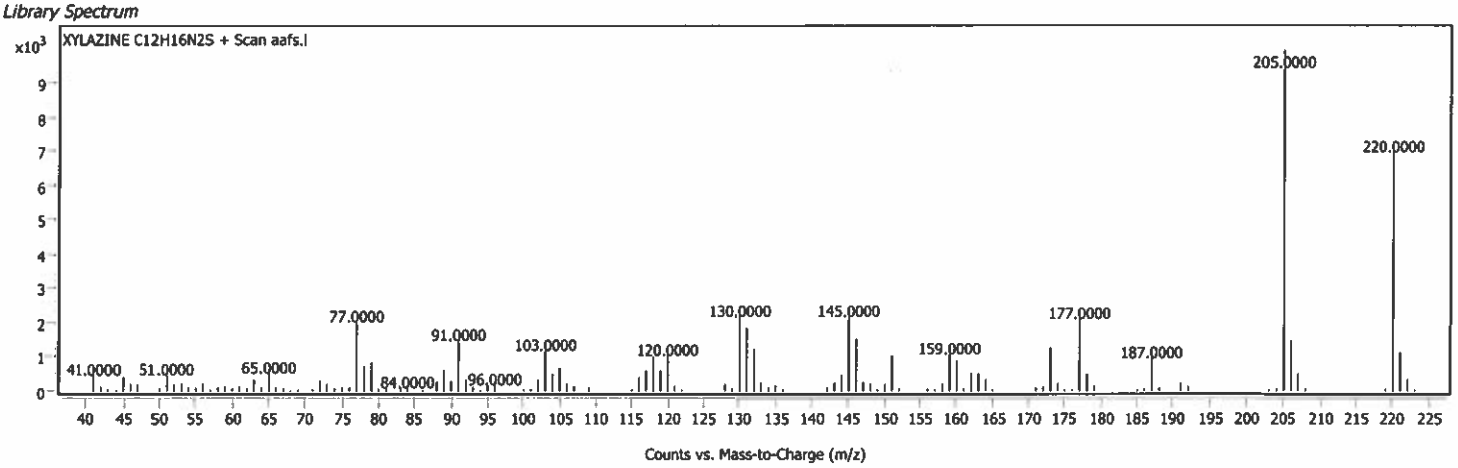
Observed Spectrum



Mirror Plot



Library Spectrum



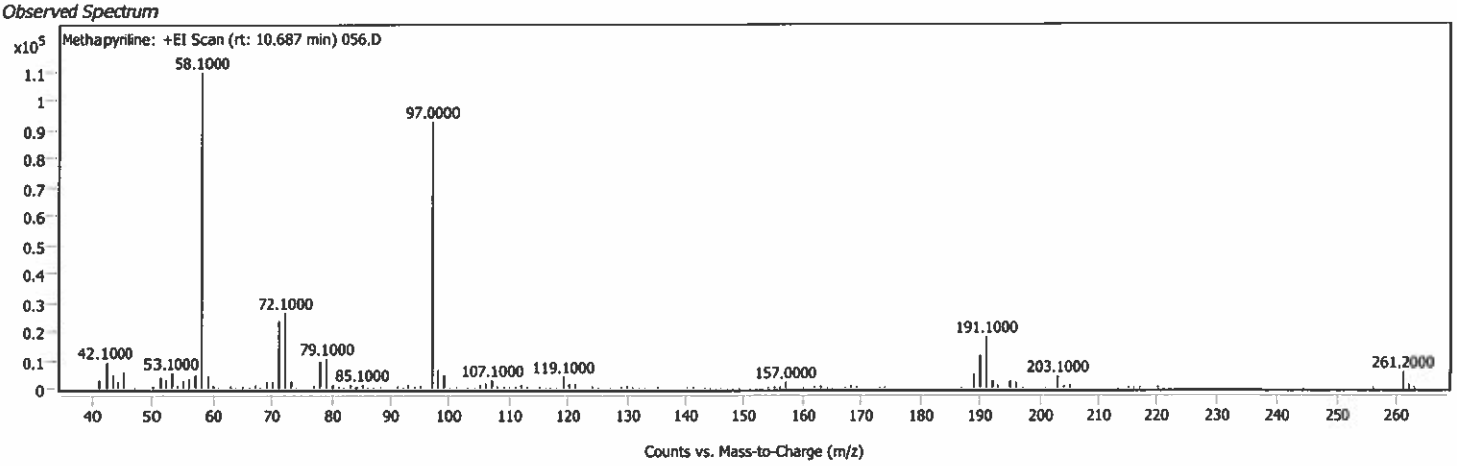
Analysis Report

Agilent

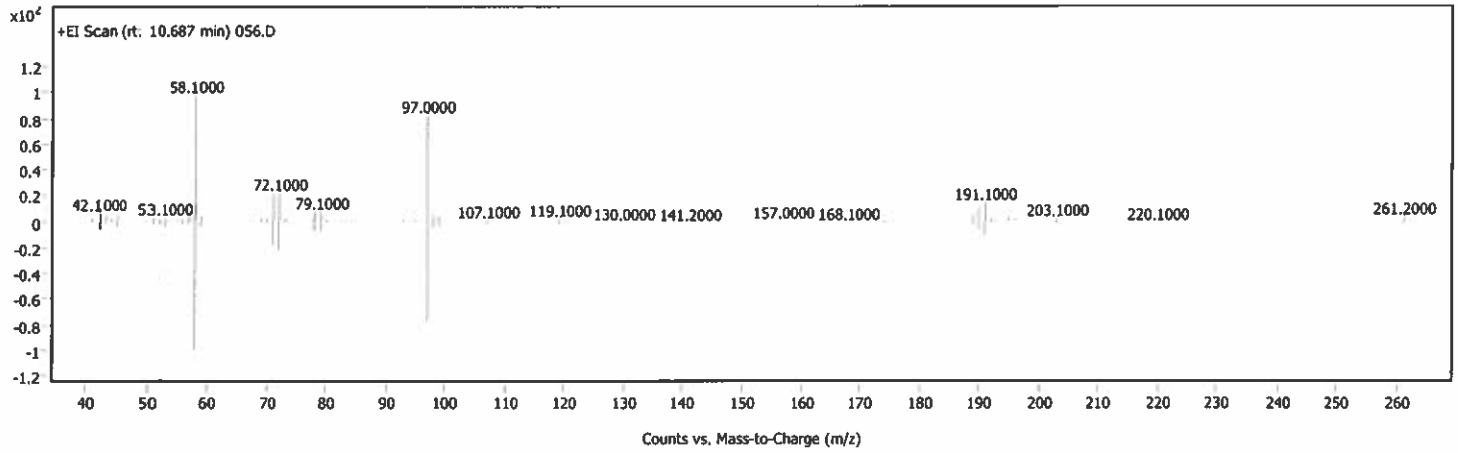
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	93.38	SWGDRUG 3.3.L	MATRIX 10 W/ISTD 2.0 mg/L- LVR	KM/QC DATA IN XYLAZINE VALIDATION

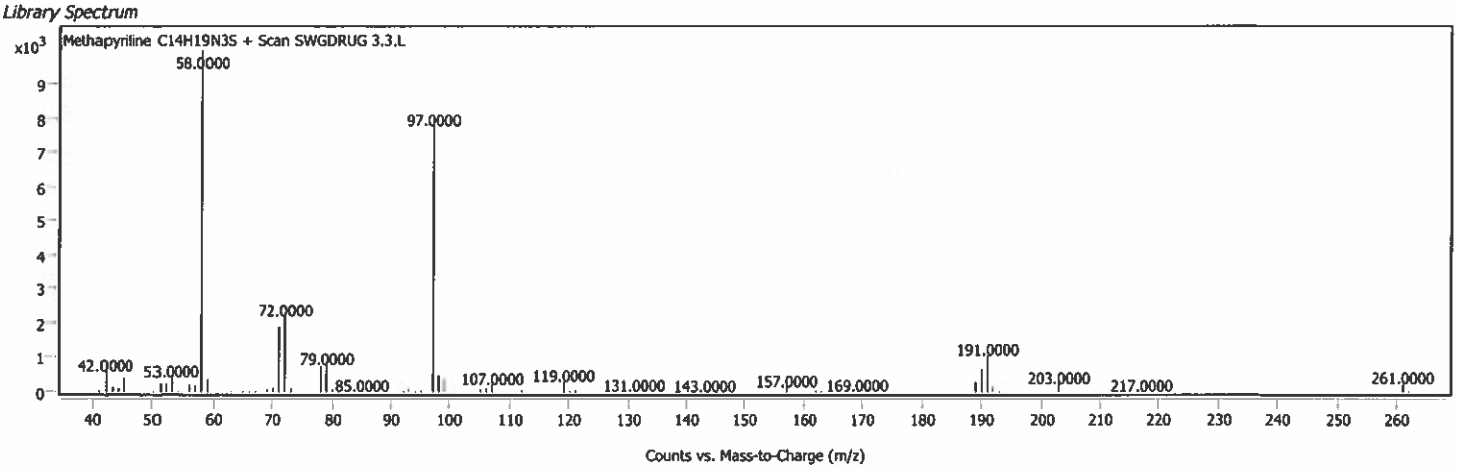
Observed Spectrum



Mirror Plot



Library Spectrum



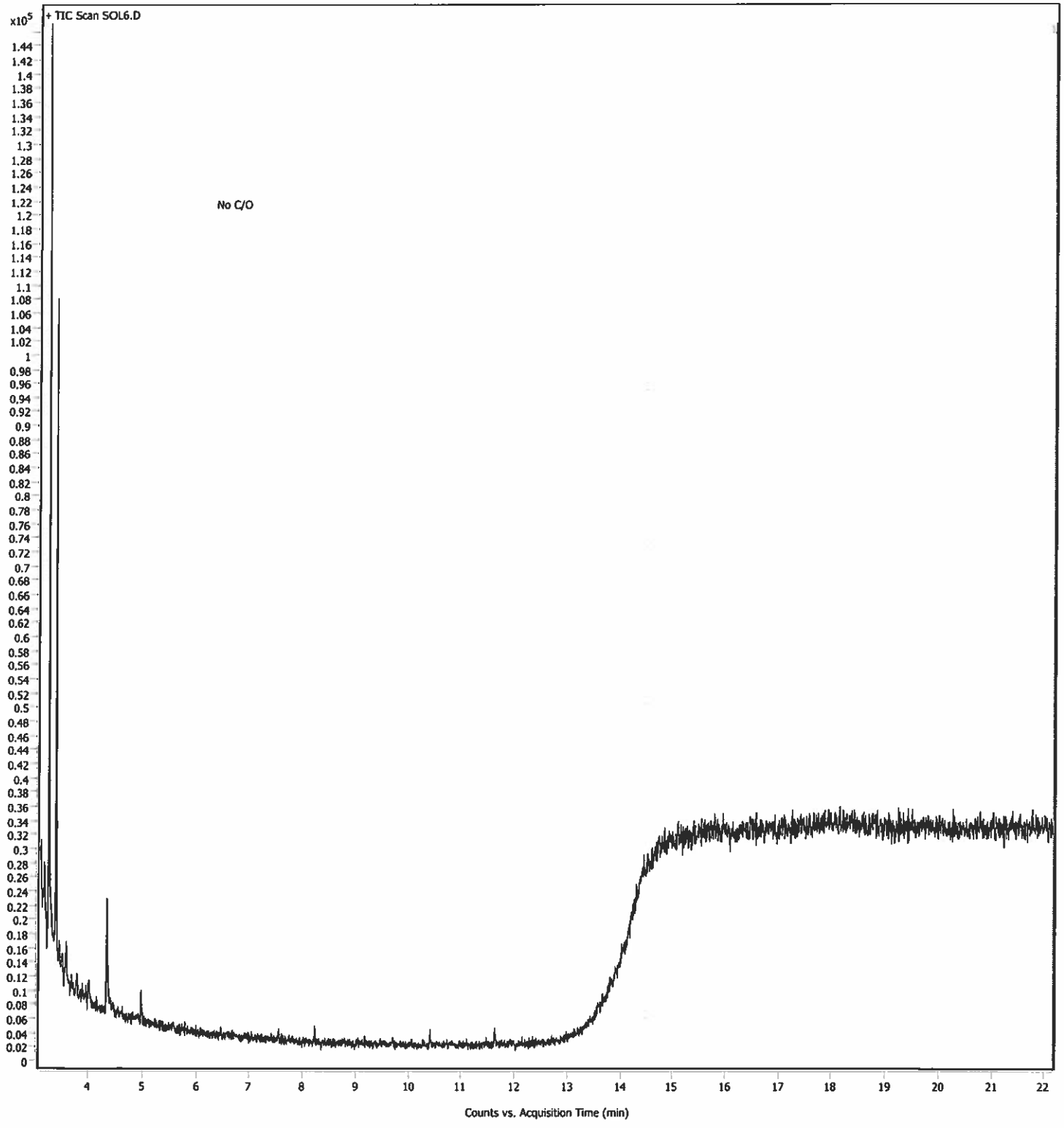
Analysis Report

Agilent

Sample Information

Sample Name	Solvent Blank 6	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\SOL6.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 4:22:39 PM (UTC-04:00)
Position	89	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

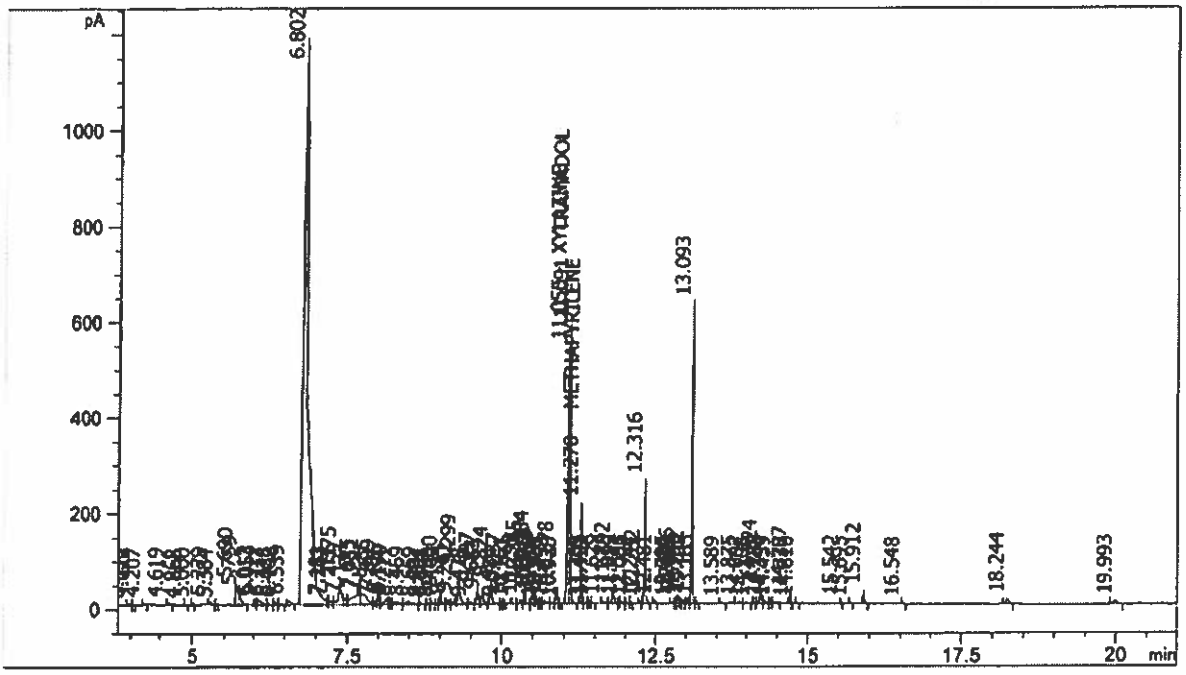
Sample Chromatograms



Injection Date: 9/29/2021 2:53:40 PM Seq Line: 63
Sample Name: MATRIX 10 W/ISTD 2.0 -> Vial 94
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION

Split peak-OK for qual reporting

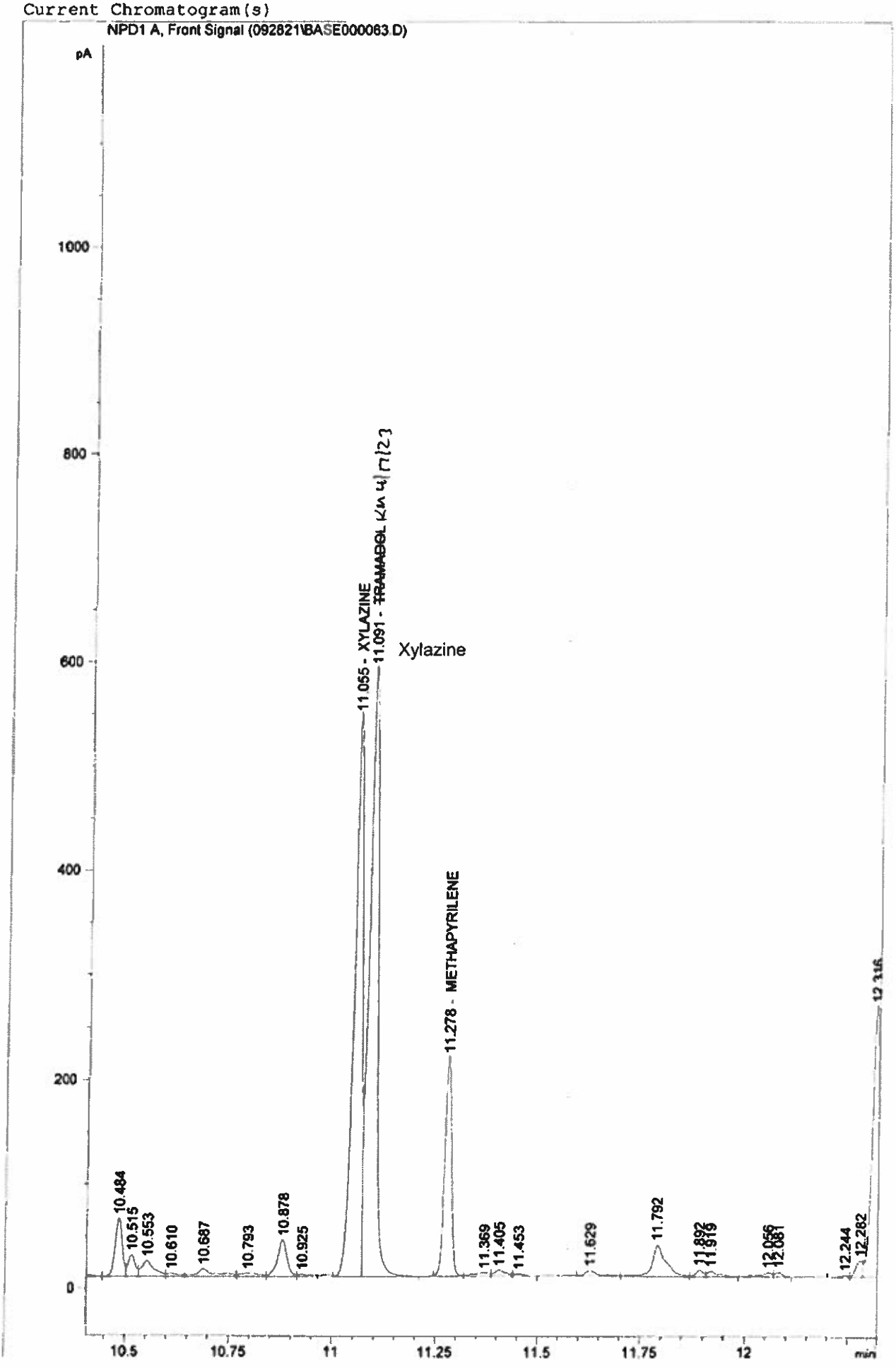


see expanded chromatogram on following page

RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.055	11.046	724.084	538.254	0.000000	XYLAZINE
11.091	11.033	857.036	583.173	0.000000	TRAMADOL
11.278	11.278	242.928	210.837	1.000000	METHAPYRILENE

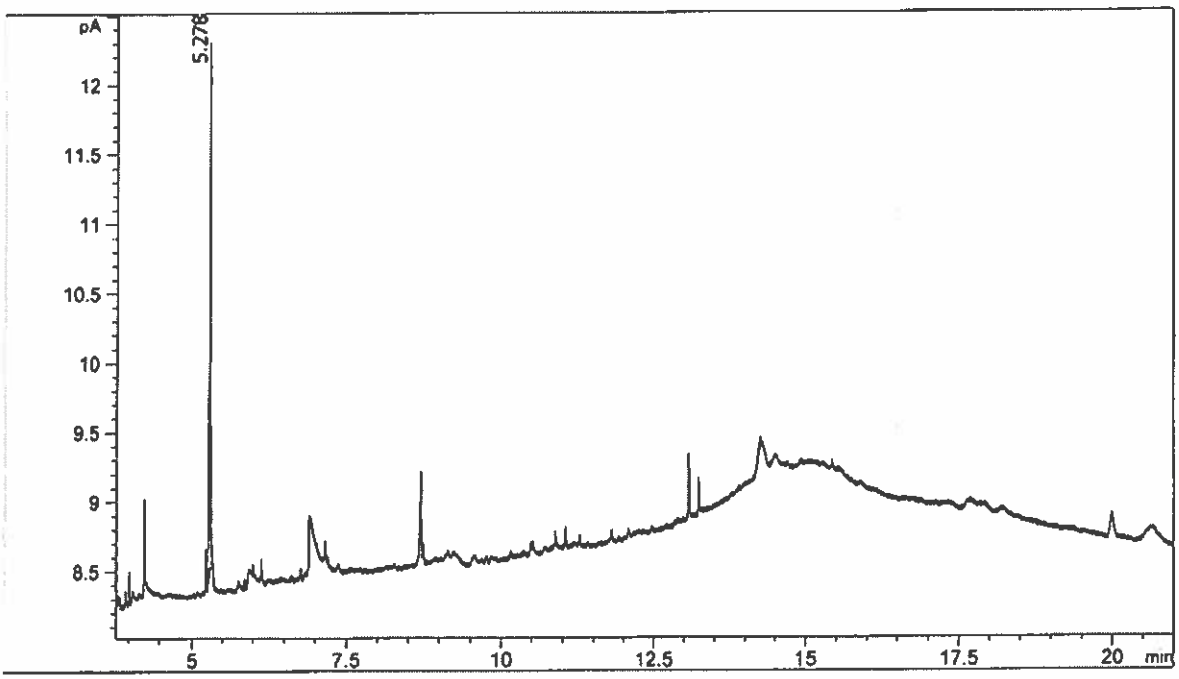
Not used to average RRTs

Current Chromatogram(s)



Injection Date: 9/29/2021 3:18:03 PM Seq Line: 64
Sample Name: SOLVENT BLANK 6 Vial 95
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

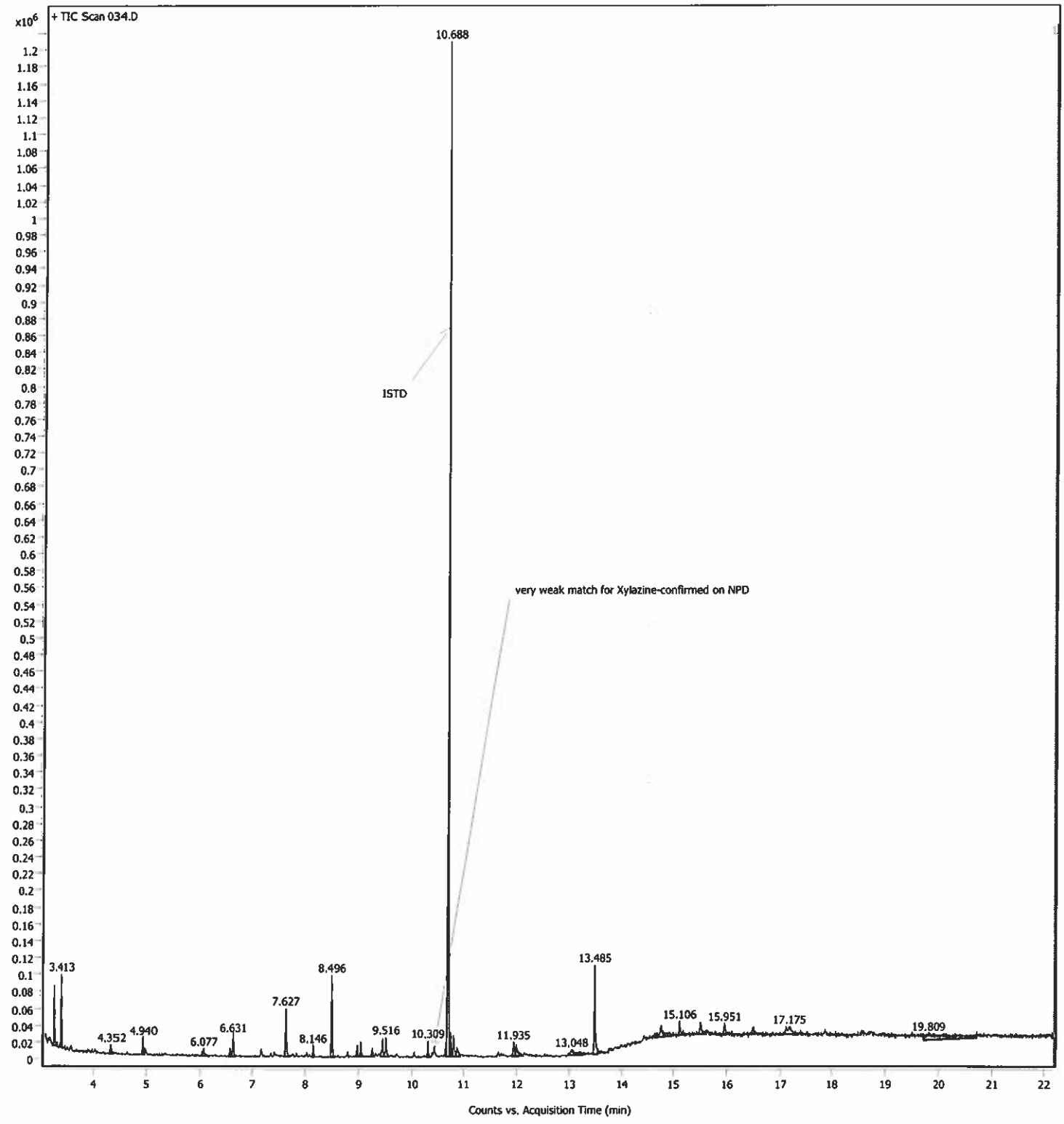
Analysis Report

Agilent

Sample Information

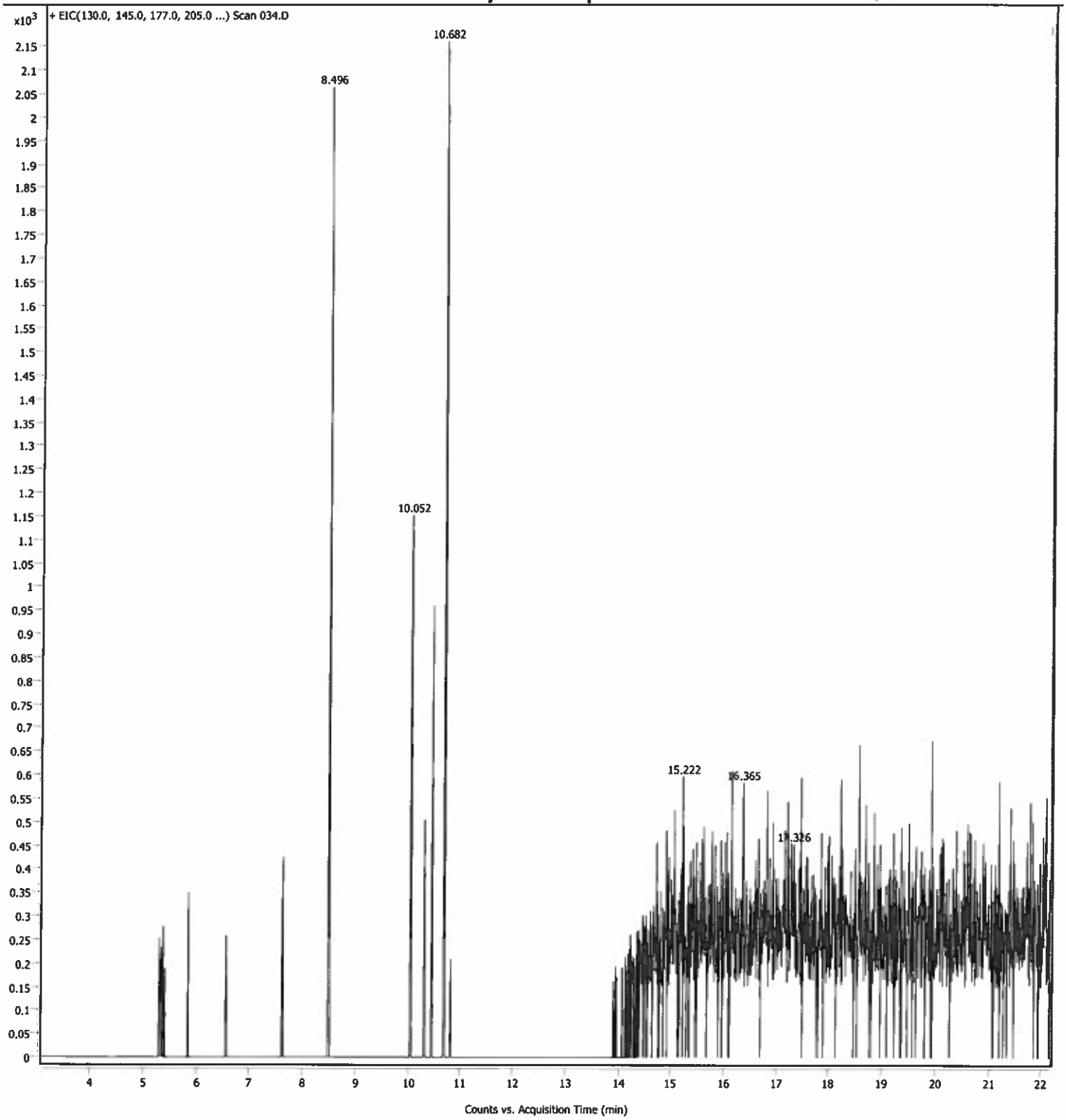
Sample Name	MATRIX 2 LOD - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\034.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 6:02:19 AM (UTC-04:00)
Position	65	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

Agilent



Analysis Report

Agilent

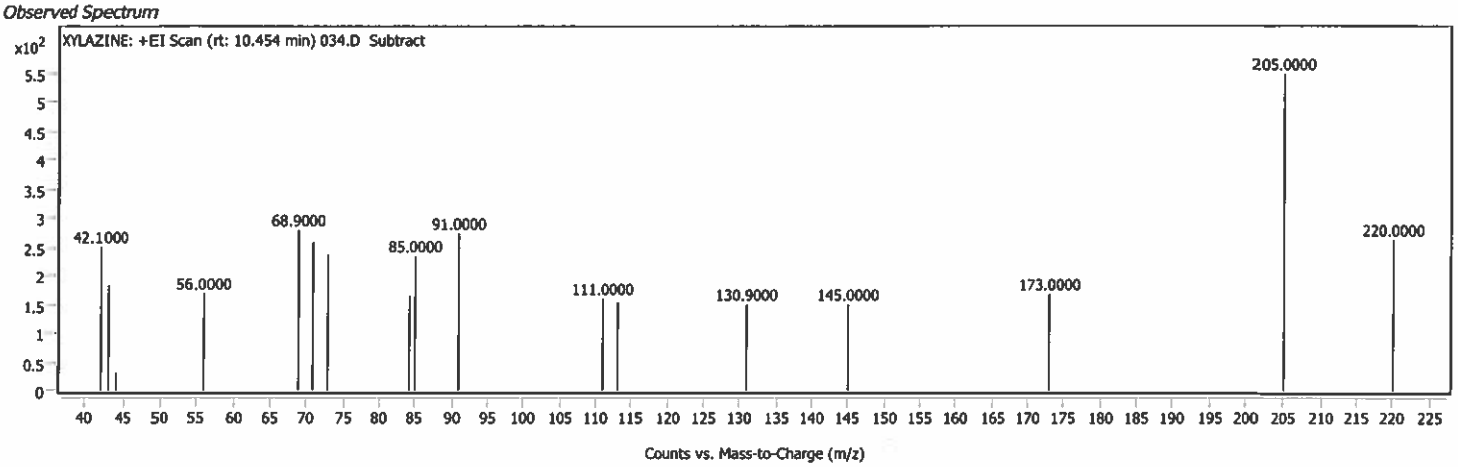
Sample Spectra

+ Scan (rt: 10.425 min)

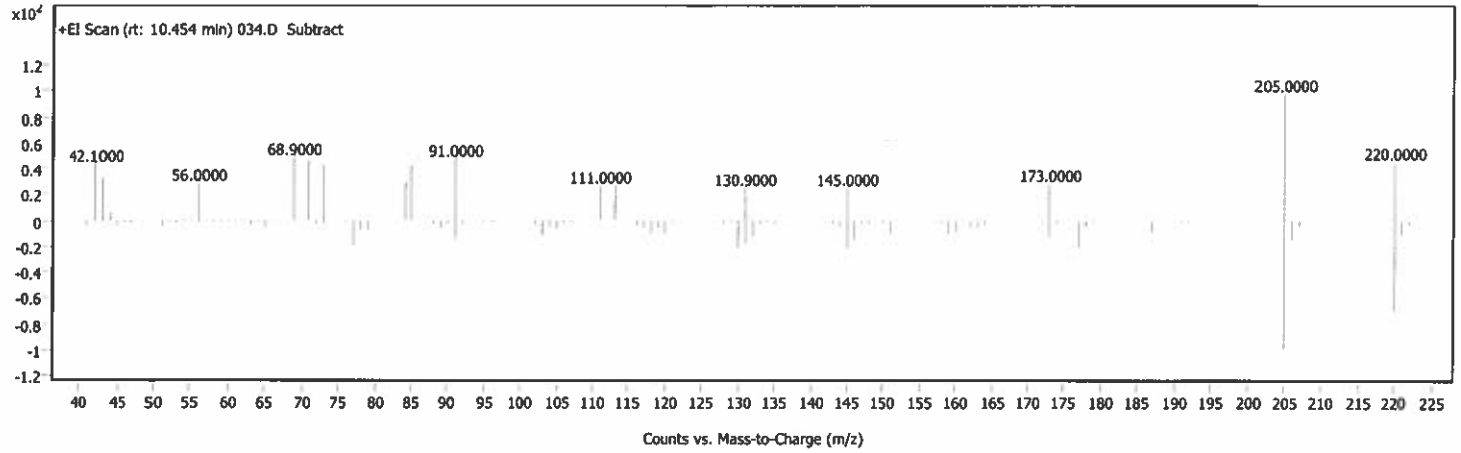
+ Scan (rt: 10.454 min) Sub **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	34.22	aafs.l	MATRIX 2 LOD - BLD	KM/QC DATA IN XYLAZINE VALIDATION

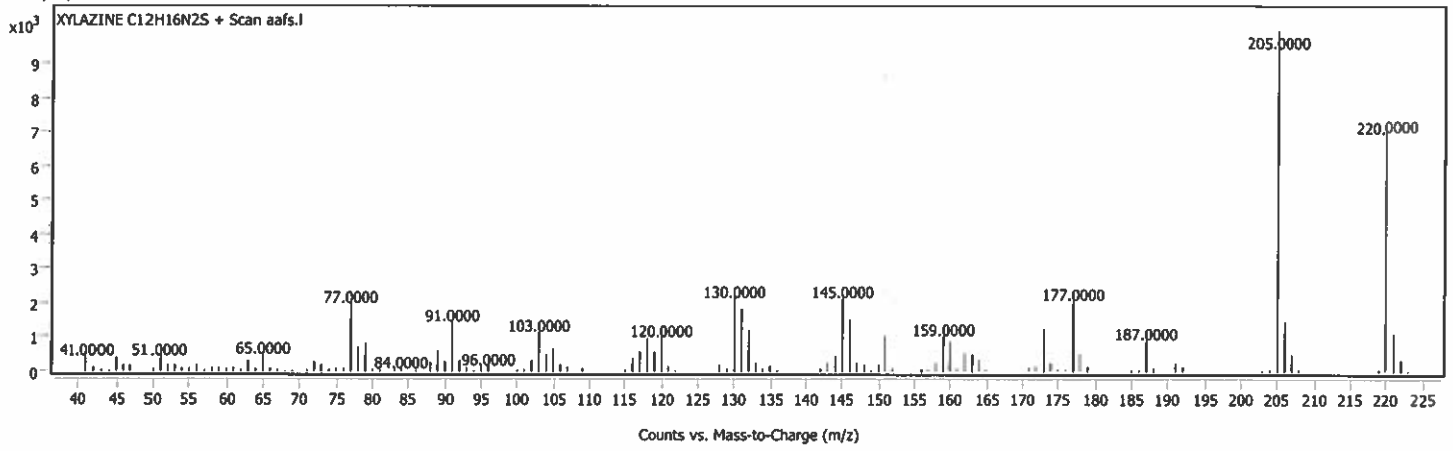
Observed Spectrum



Mirror Plot



Library Spectrum



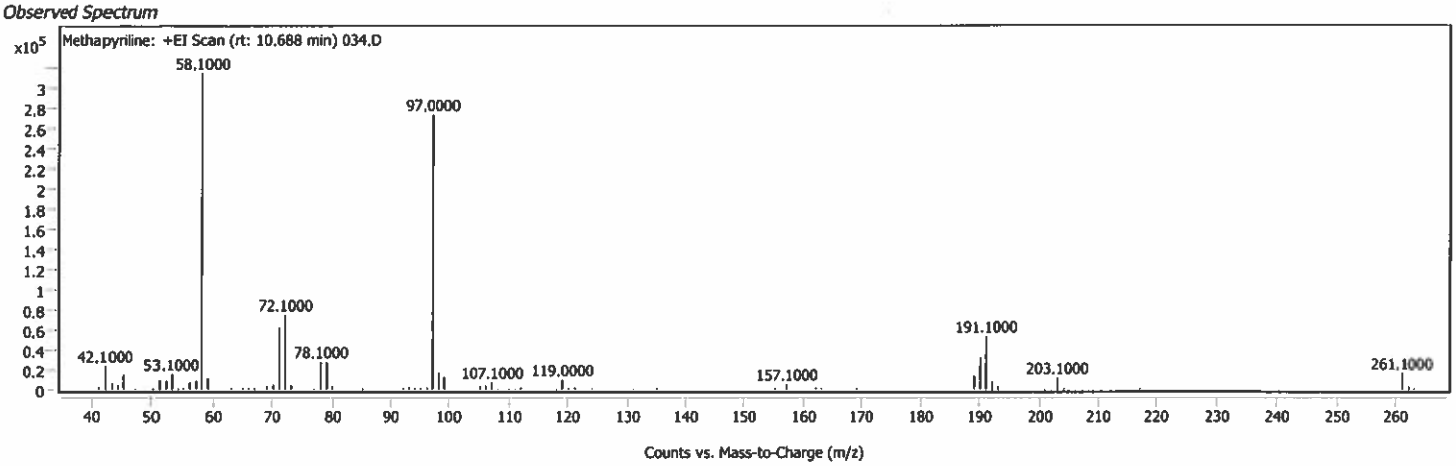
Analysis Report

Agilent

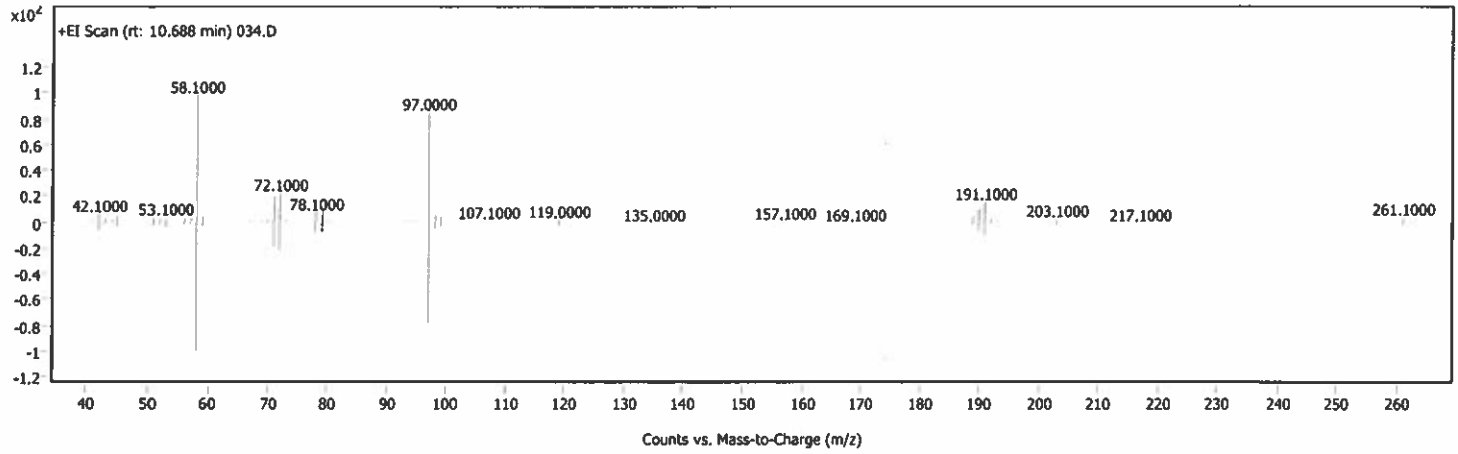
+ Scan (rt: 10.688 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.54	SWGDRUG 3.3.L	MATRIX 2 LOD - BLD	KM/QC DATA IN XYLAZINE VALIDATION

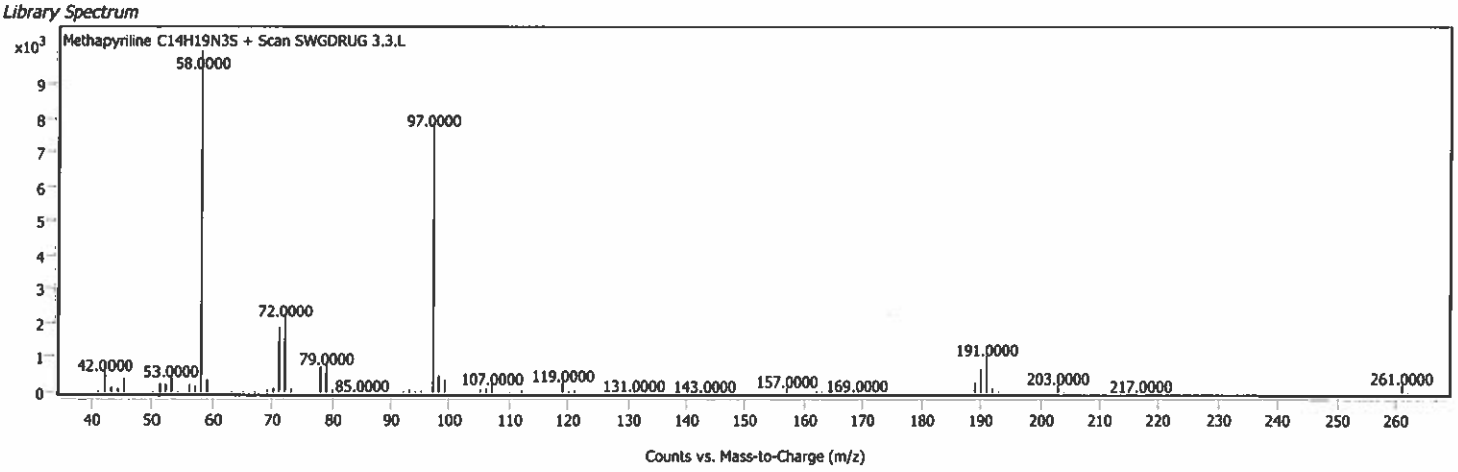
Observed Spectrum



Mirror Plot

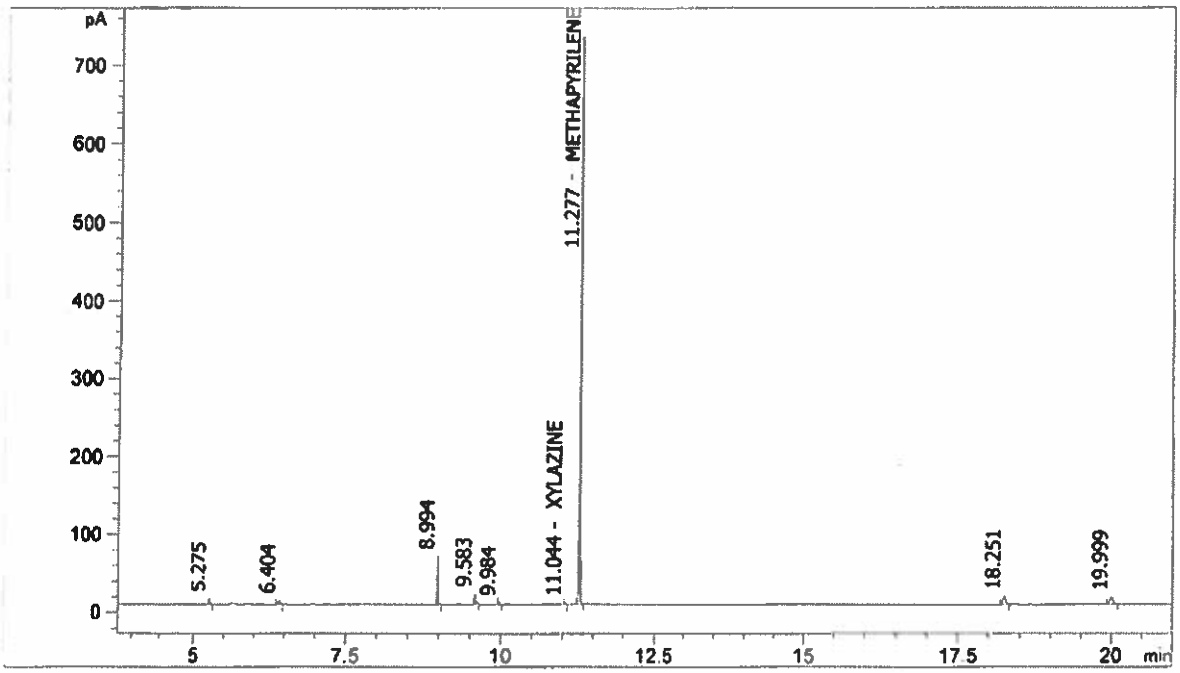


Library Spectrum



Injection Date: 9/29/2021 5:34:00 AM Seq Line: 40
Sample Name: MATRIX 2 LOD - BLD Vial 41
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVAL2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.044	11.046	3.568	2.702	0.000000	XYLAZINE RRT - 0.9793
11.277	11.278	819.356	726.896	1.000000	METHAPYRILENE

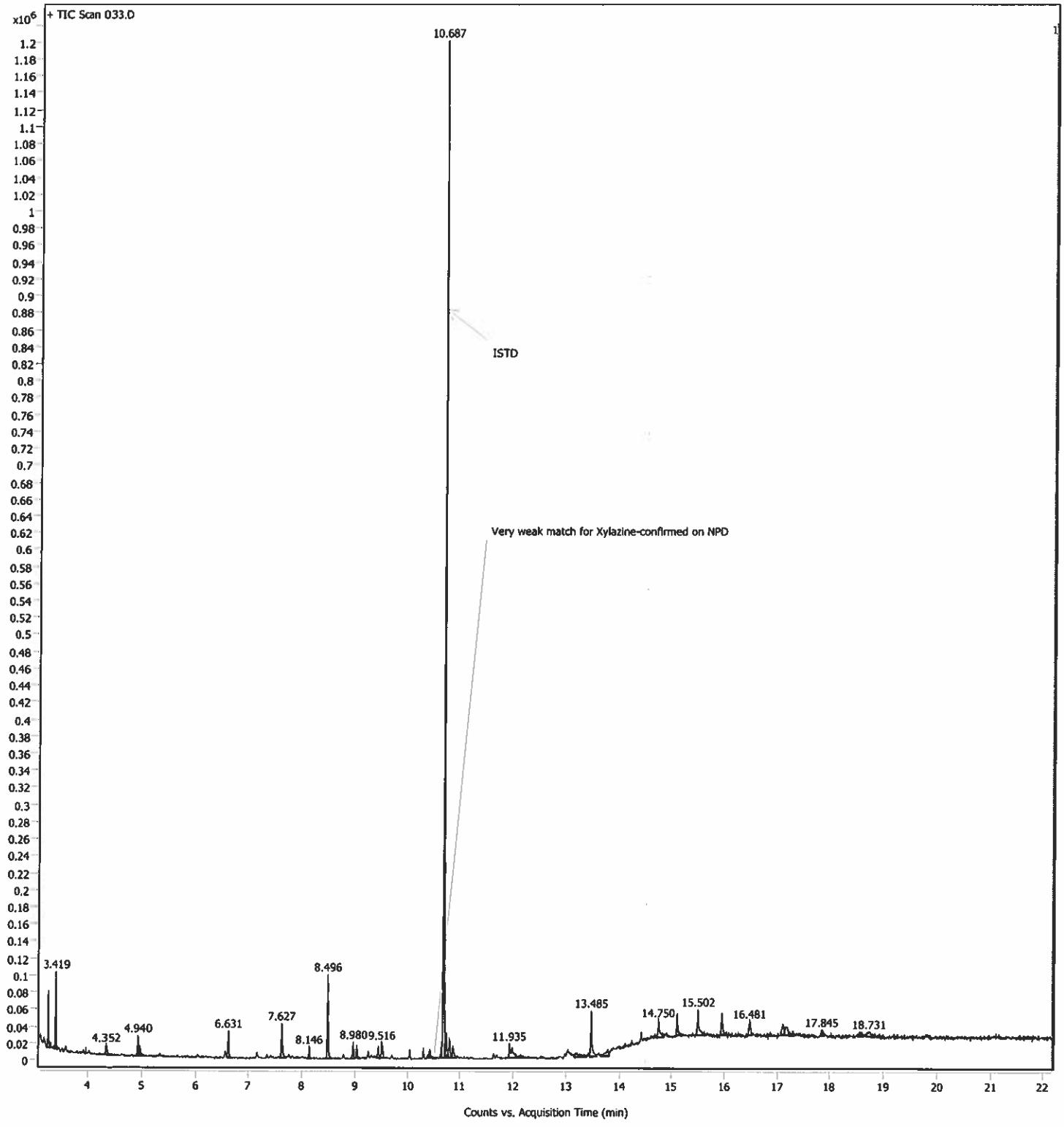
Analysis Report

Agilent

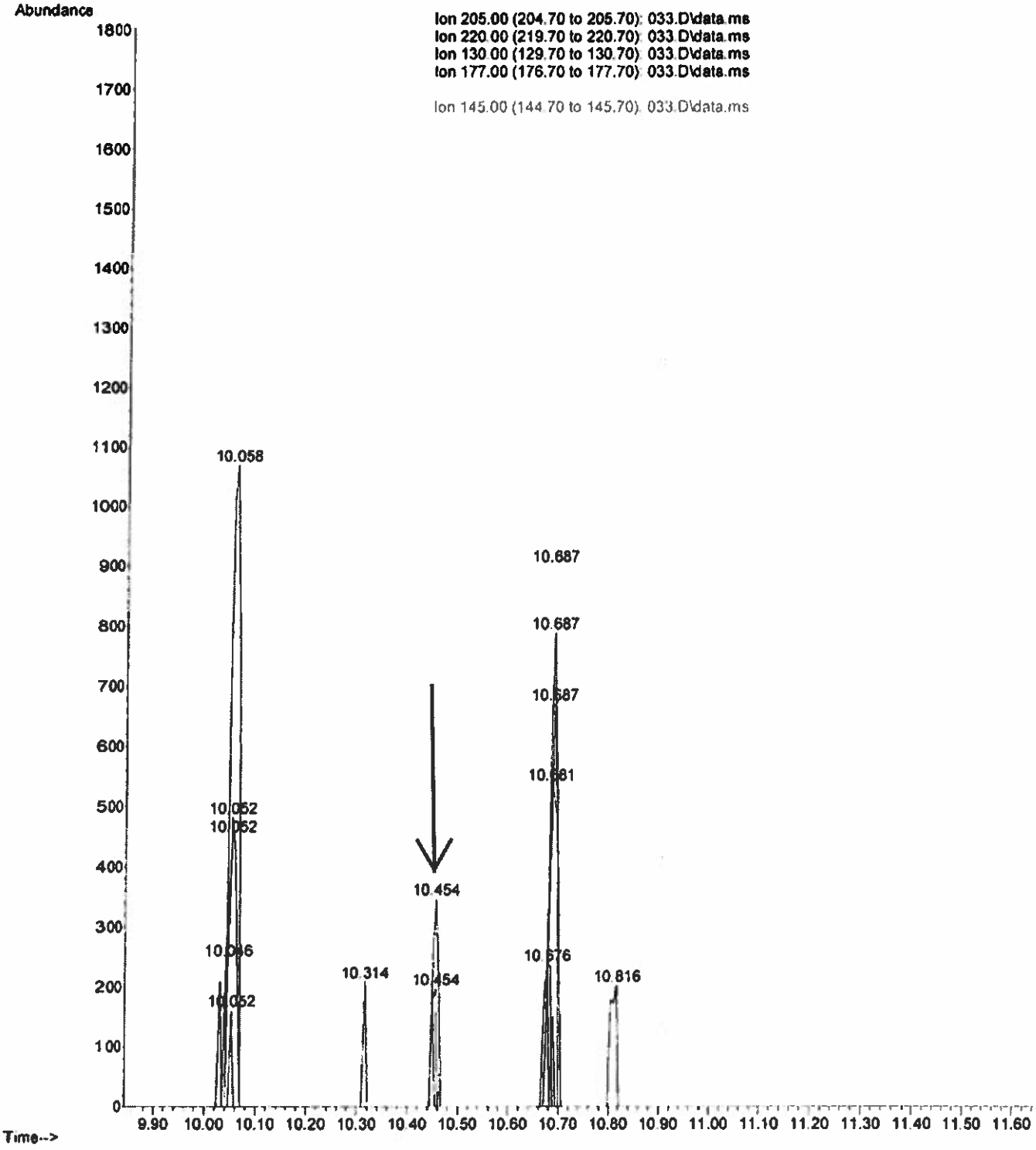
Sample Information

Sample Name	MATRIX 1 LOD - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\033.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 5:36:24 AM (UTC-04:00)
Position	64	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

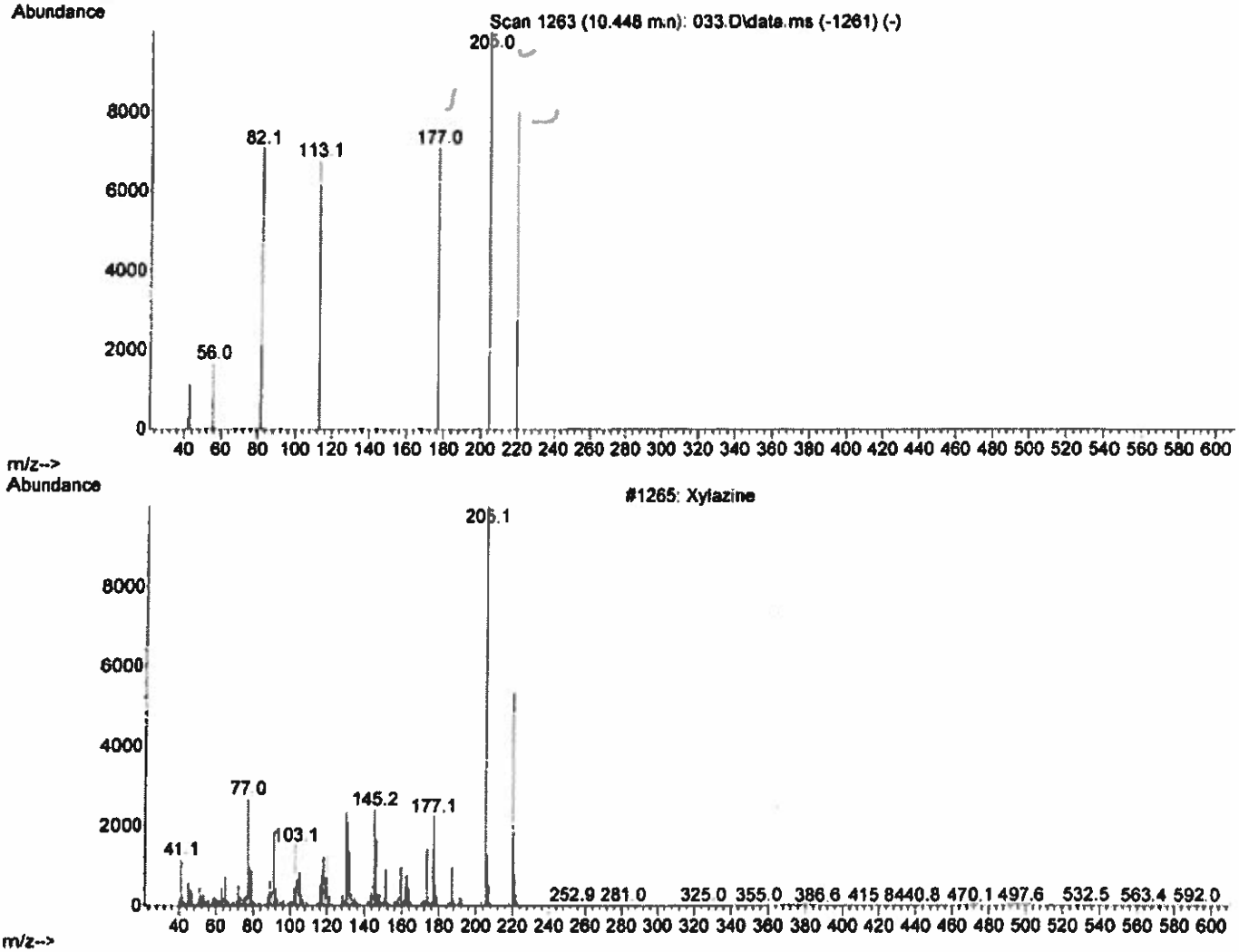
Sample Chromatograms



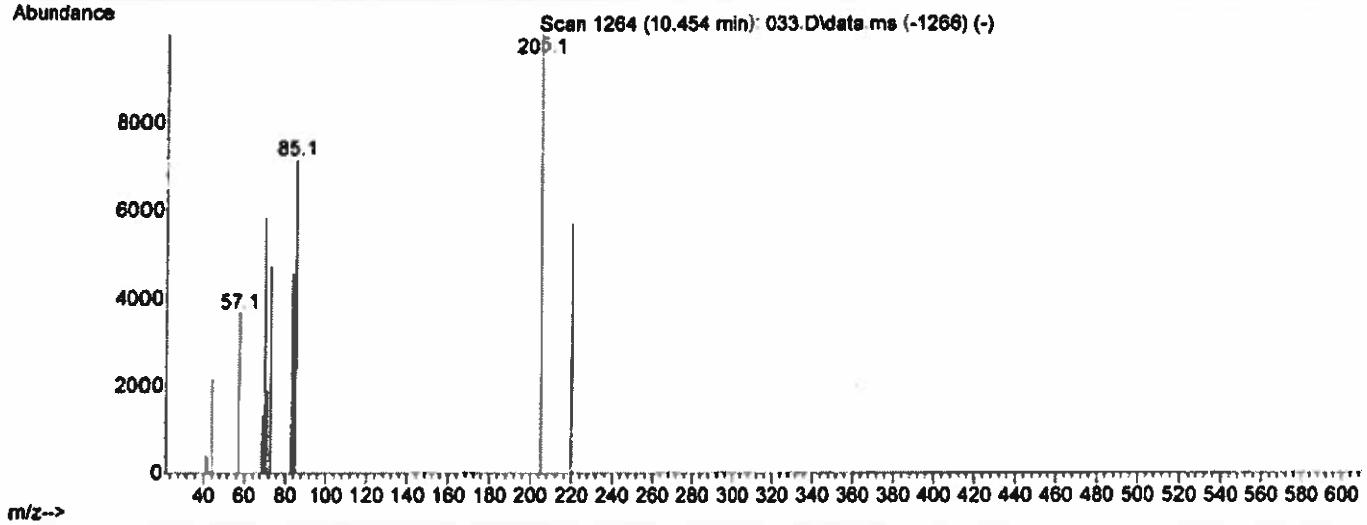
File :C:\Users\TOX\Desktop\092821\033.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 29 Sep 2021 05:36 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX 1 LOD - BLD
Misc Info : 0.005 mg/L - 10 uL of 0.001 mg/mL XYLAZINE WS
Vial Number: 64

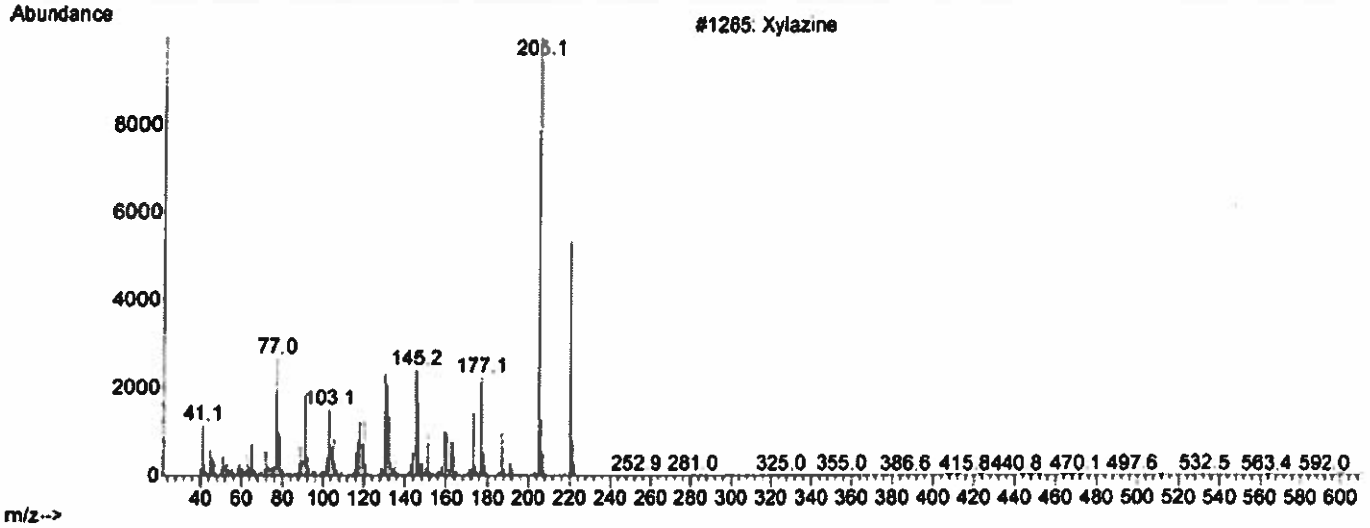


Library Searched : C:\MassHunter\Library\CaymanSpectralLibrary.L
Quality : 2
ID : Xylazine
Sample Name: MATRIX 1 LOD - BLD
File: C:\Users\TOX\Desktop\092821\033.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 05:36
Vial: 64



Library Searched : C:\MassHunter\Library\CaymanSpectralLibrary.L
Quality : 5
ID : Xylazine
Sample Name: MATRIX 1 LOD - BLD
File: C:\Users\TOX\Desktop\092821\033.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 05:36
Vial: 64





Analysis Report

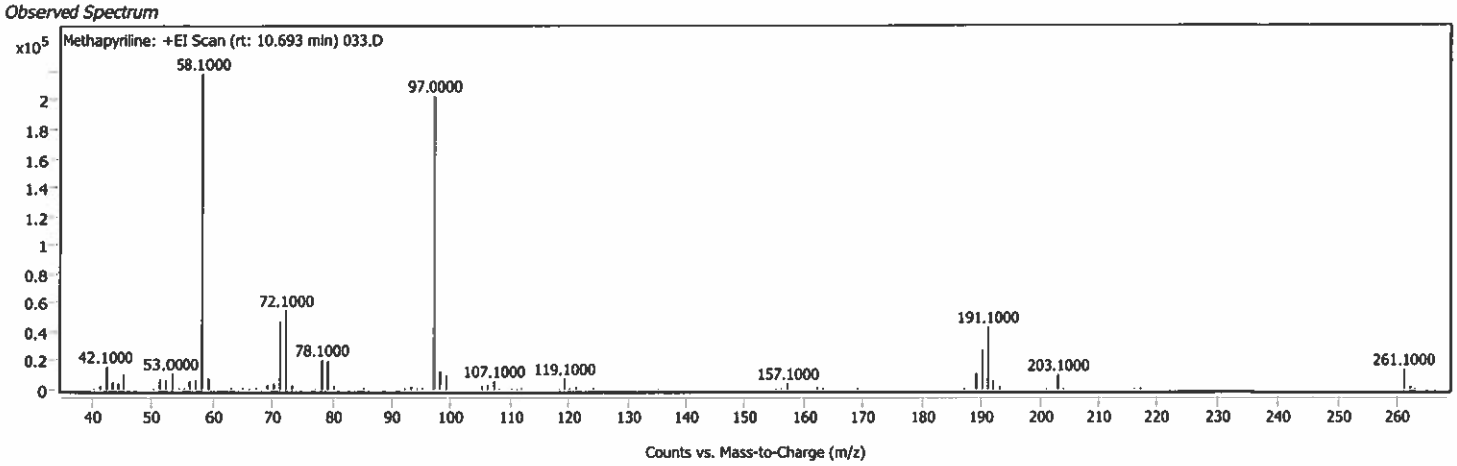
Agilent

Sample Spectra

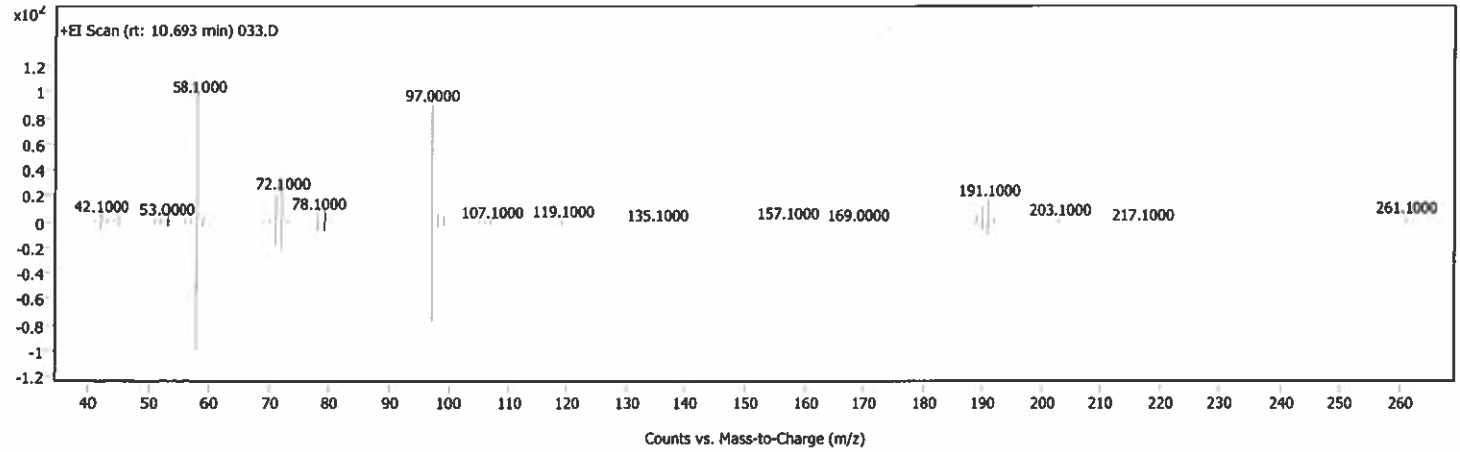
+ Scan (rt: 10.693 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.20	SWGDRUG 3.3.L	MATRIX 1 LOD - BLD	KM/QC DATA IN XYLAZINE VALIDATION

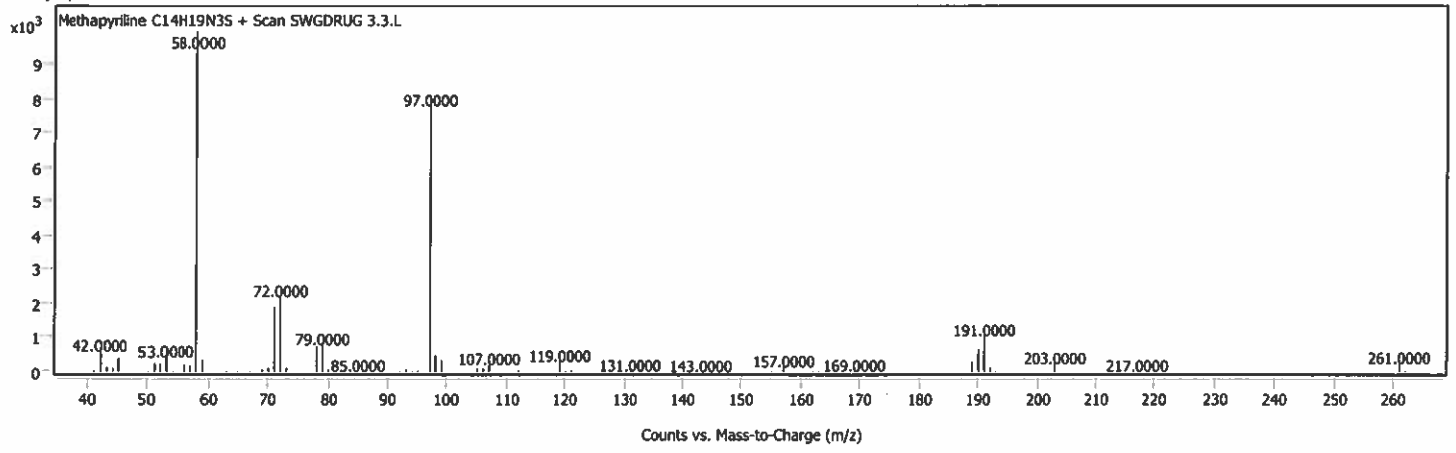
Observed Spectrum



Mirror Plot

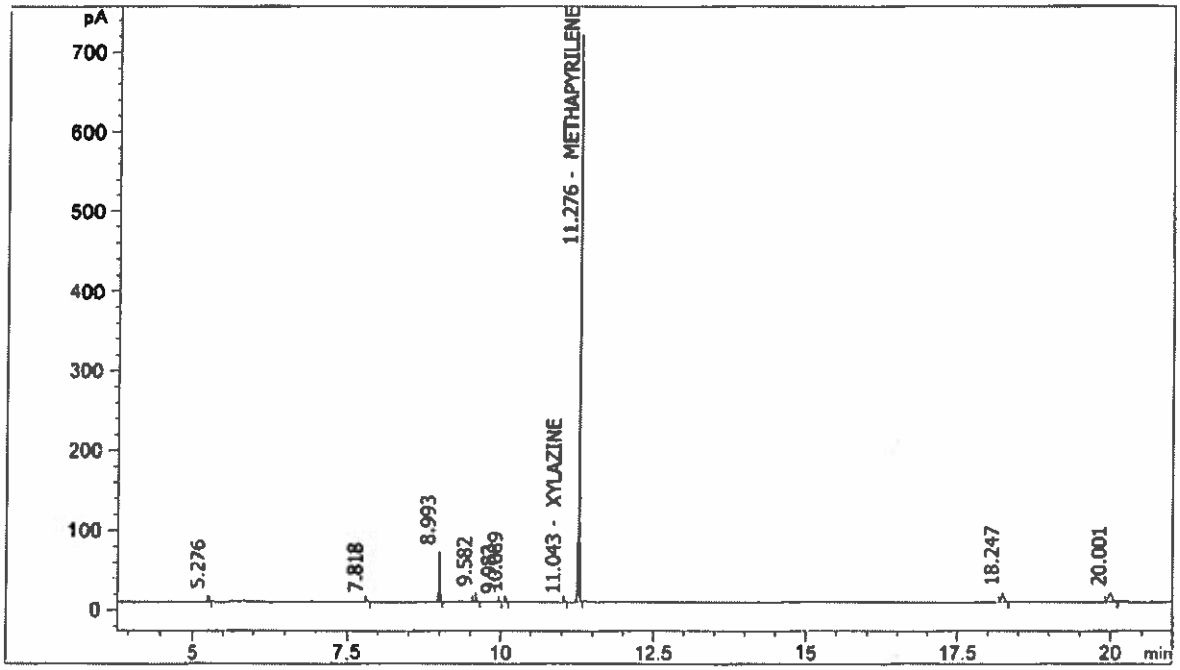


Library Spectrum



Injection Date: 9/29/2021 5:09:36 AM Seq Line: 39
Sample Name: MATRIX 1 LOD - BLD Vial 40
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.043	11.046	2.828	2.134	0.000000	XYLAZINE RRT - 0.9793
11.276	11.278	827.325	711.058	1.000000	METHAPYRILENE

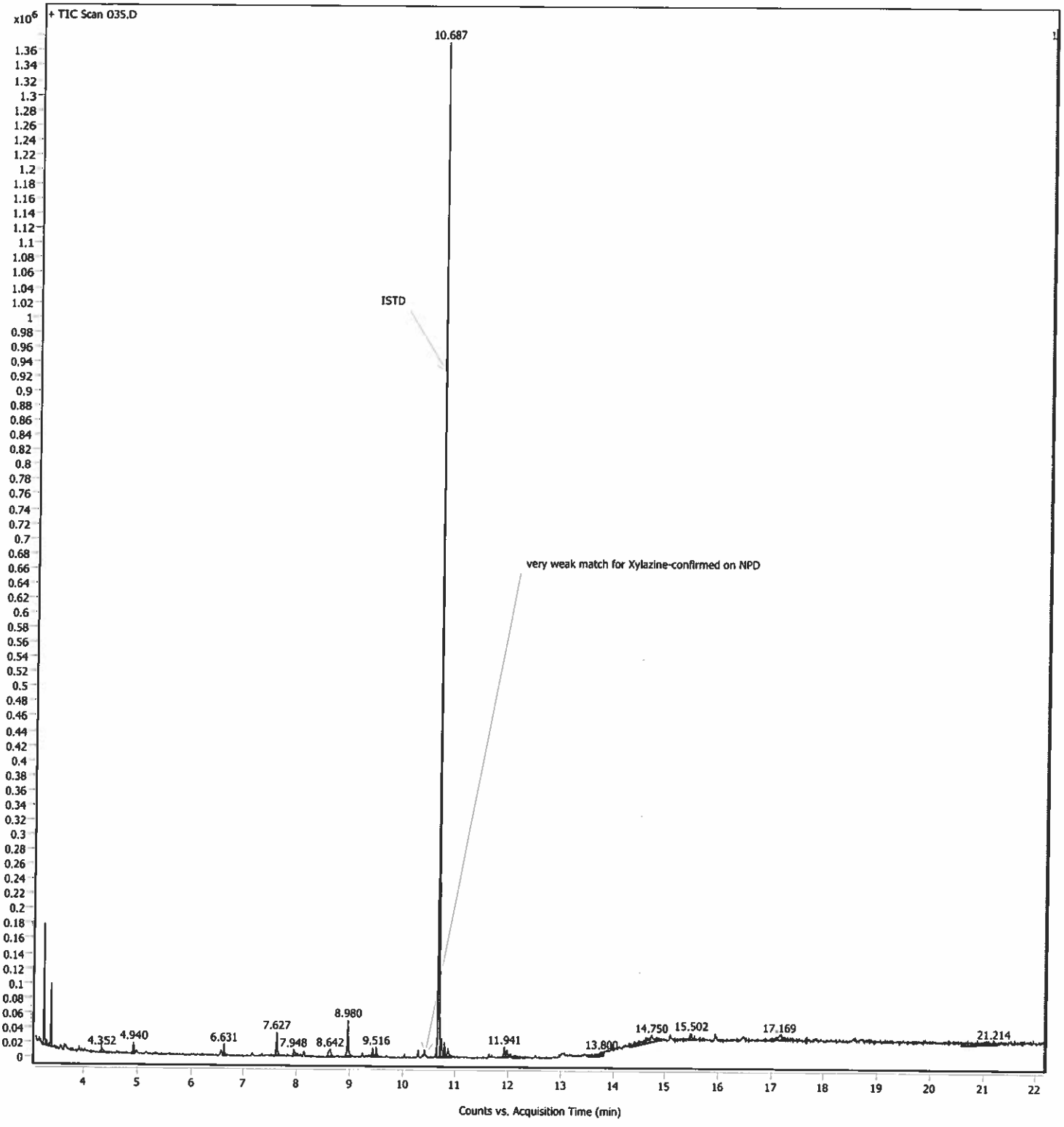
Analysis Report

Agilent

Sample Information

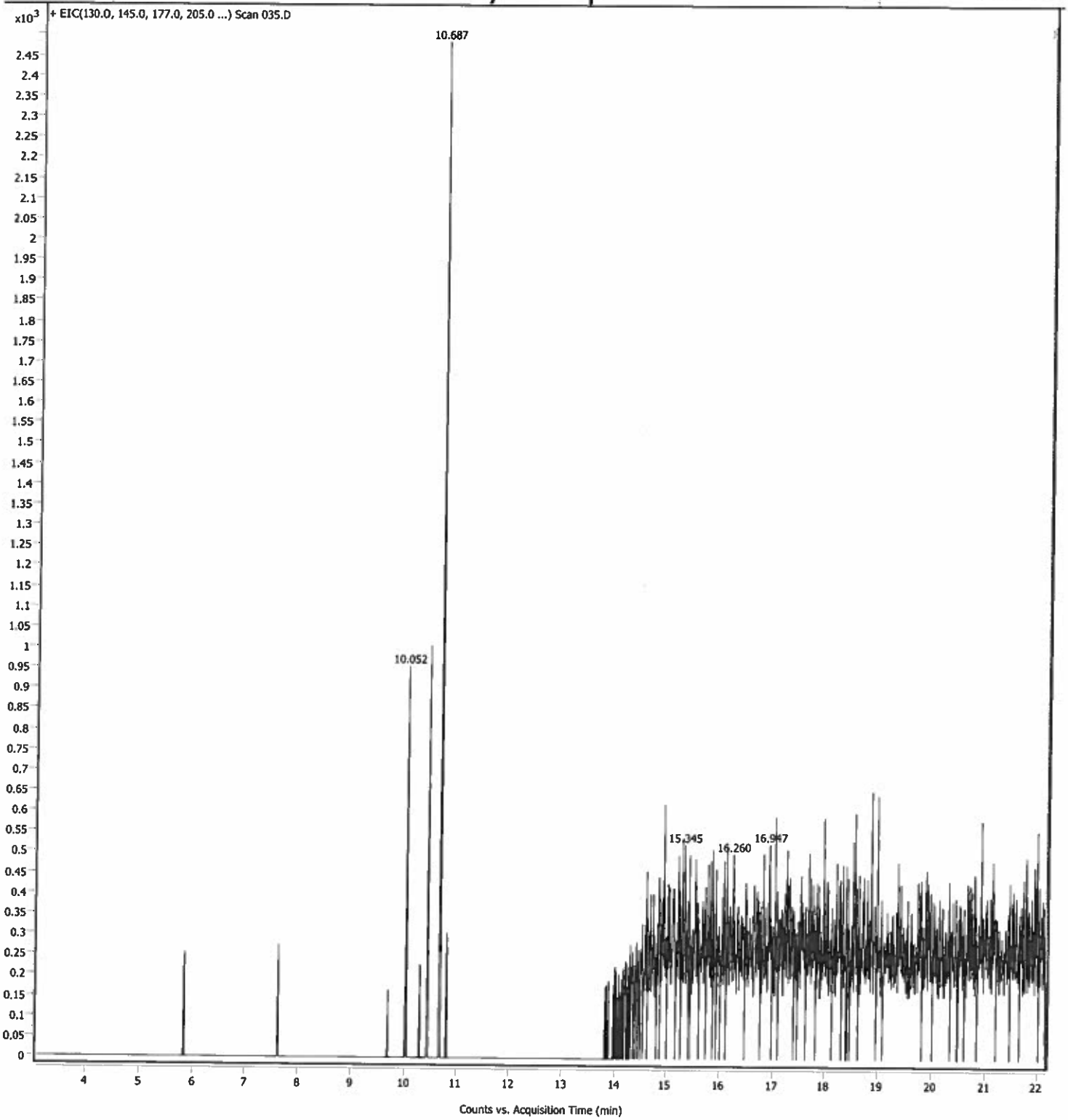
Sample Name	MATRIX 6 LOD - URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\035.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 6:28:06 AM (UTC-04:00)
Position	66	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

Agilent



Analysis Report

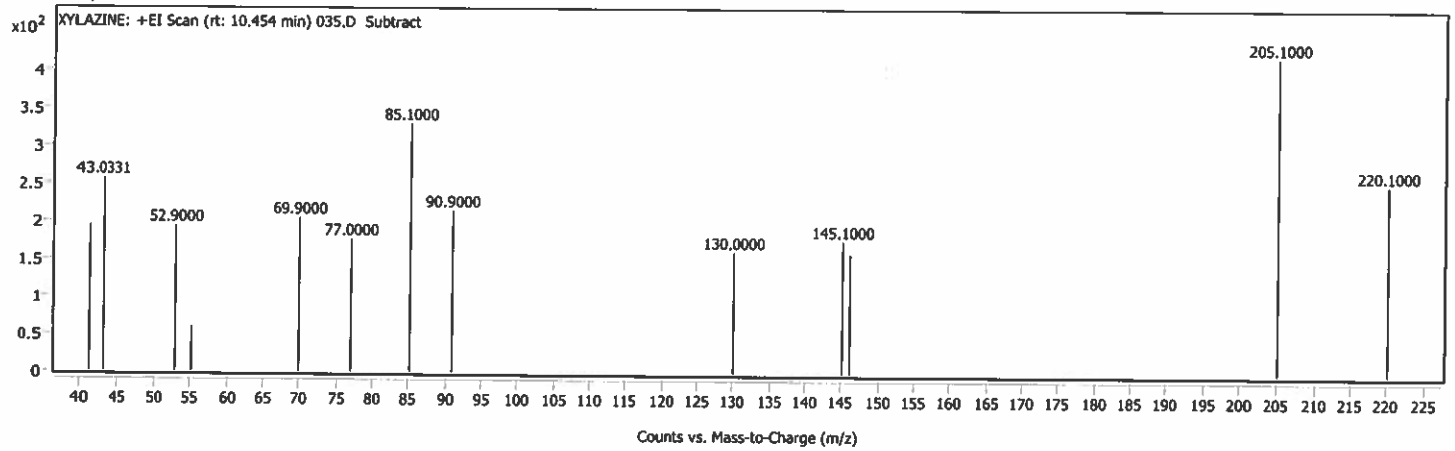
Agilent

Sample Spectra

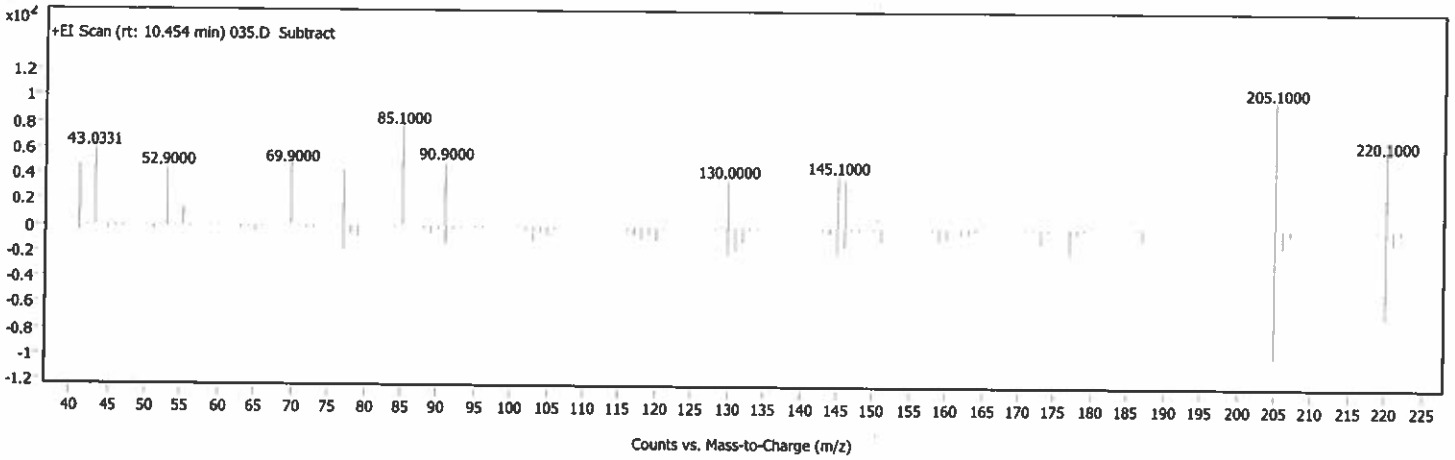
+ Scan (rt: 10.454 min) Sub **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	38.85	aafs.l	MATRIX 6 LOD - URN	KM/QC DATA IN XYLAZINE VALIDATION

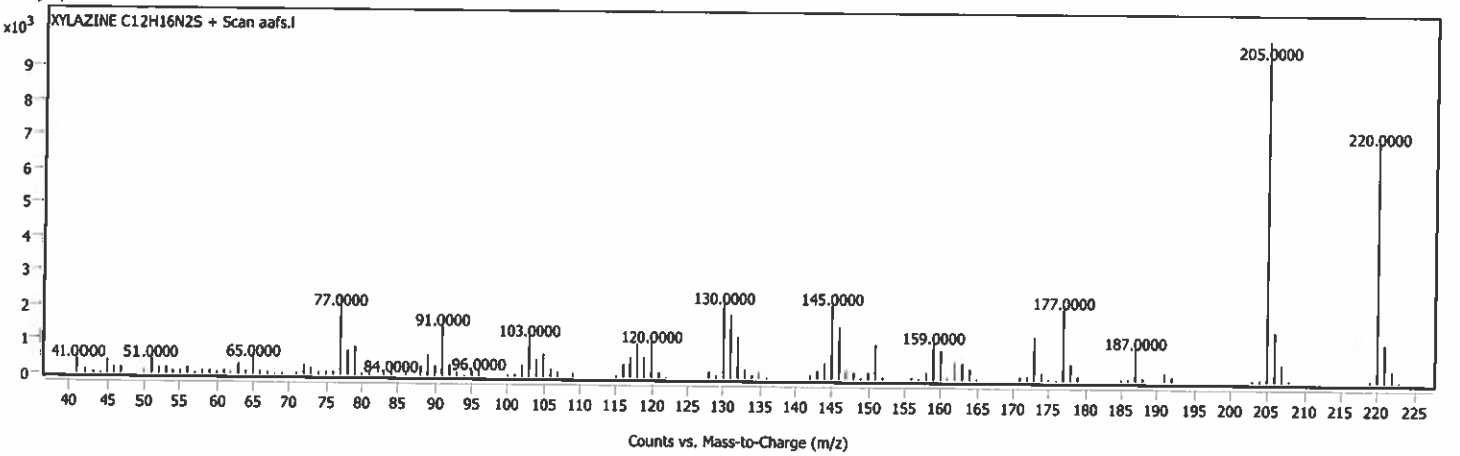
Observed Spectrum



Mirror Plot



Library Spectrum



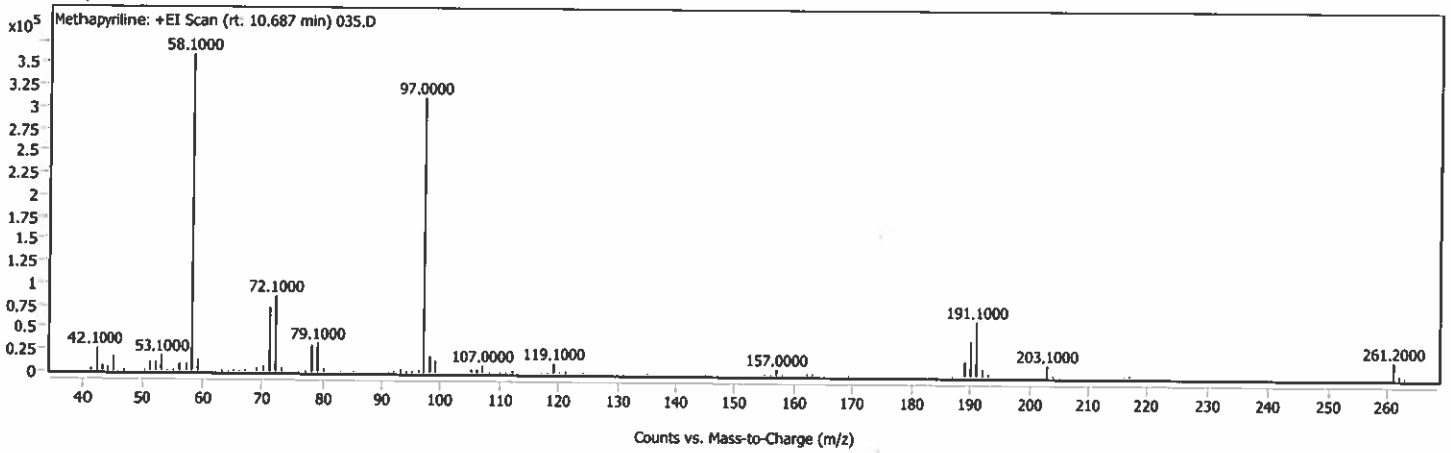
Analysis Report

Agilent

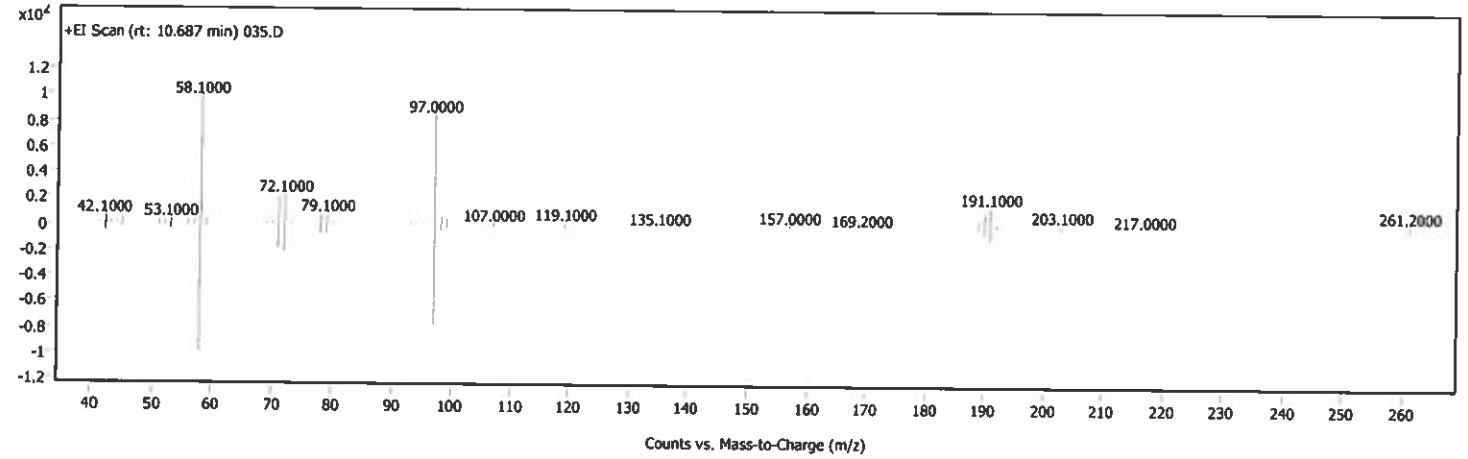
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.64	SWGDRUG 3.3.L	MATRIX 6 LOD - URN	KM/QC DATA IN XYLAZINE VALIDATION

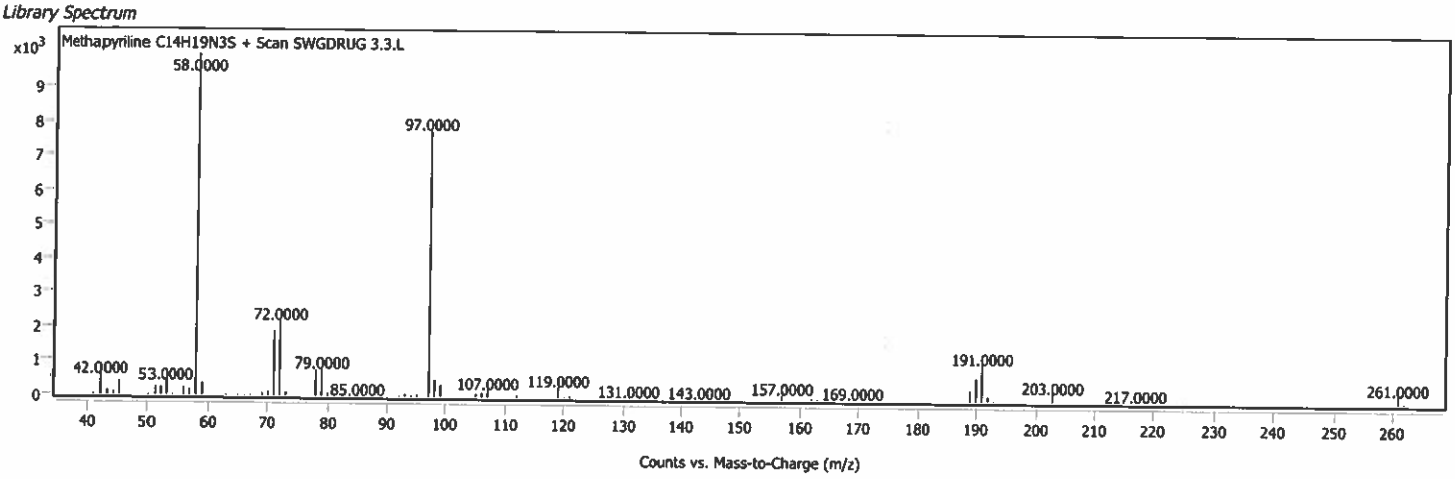
Observed Spectrum



Mirror Plot

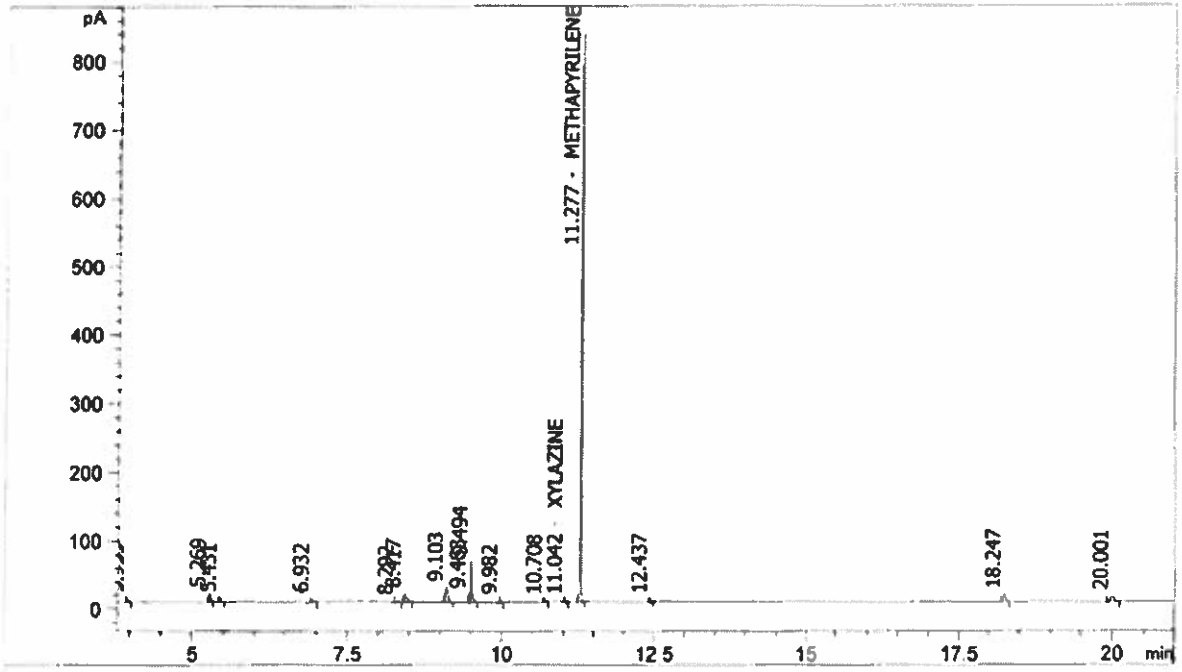


Library Spectrum



Injection Date: 9/29/2021 5:58:17 AM Seq Line: 41
Sample Name: MATRIX 6 LOD - URN Vial 42
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.042	11.046	3.000	2.467	0.000000	XYLAZINE RRT-0.9792
11.277	11.278	949.131	825.492	1.000000	METHAPYRILENE

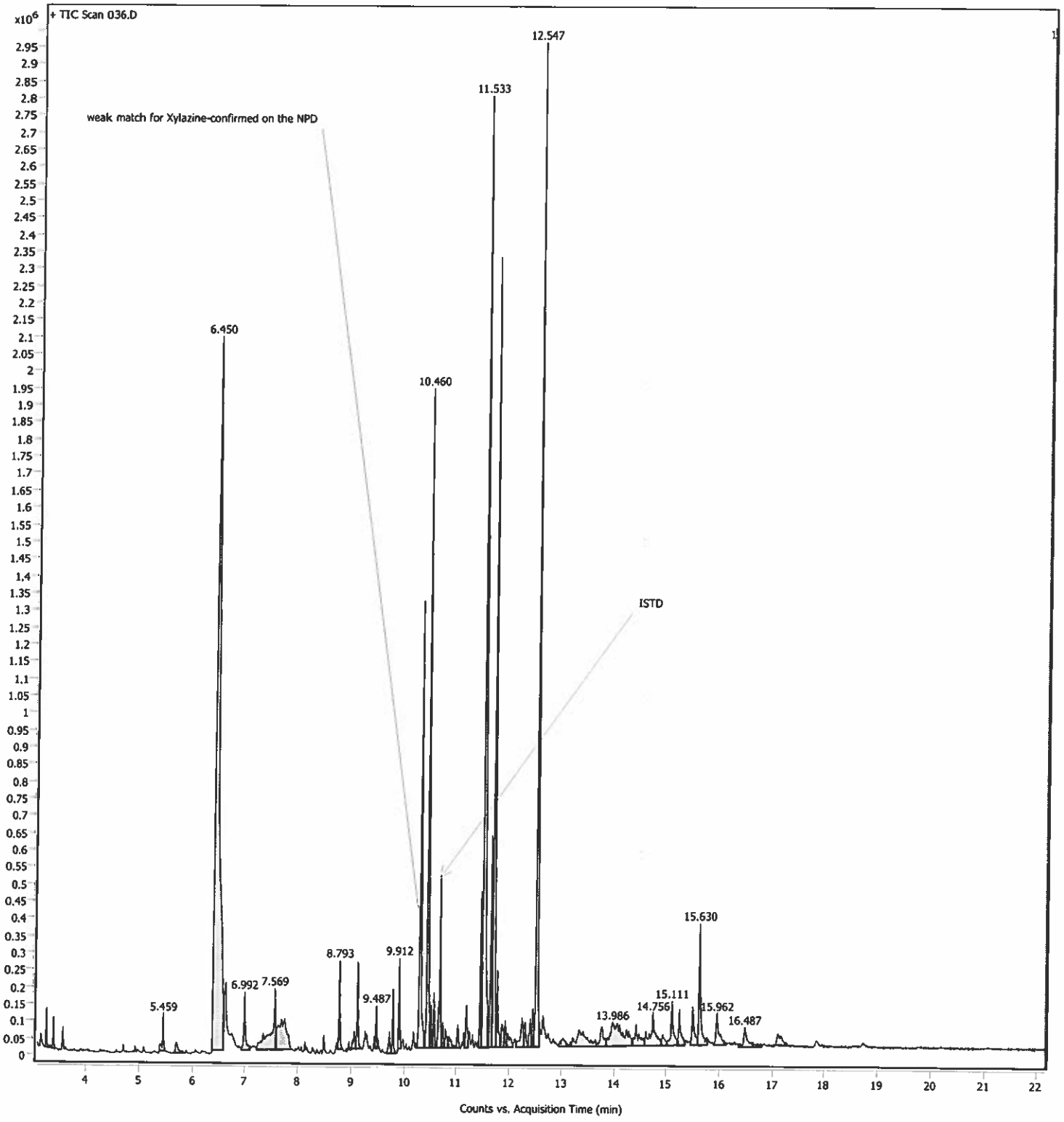
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 10 LOD - LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\036.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 6:53:53 AM (UTC-04:00)
Position	67	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

Agilent

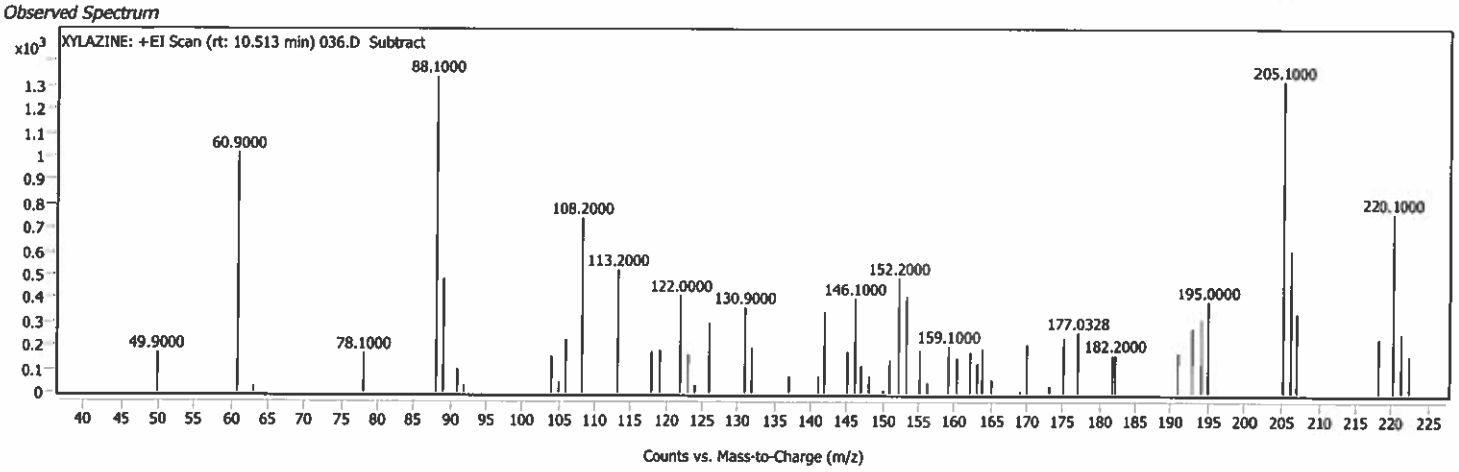
Sample Spectra

+ Scan (rt: 10.687 min)

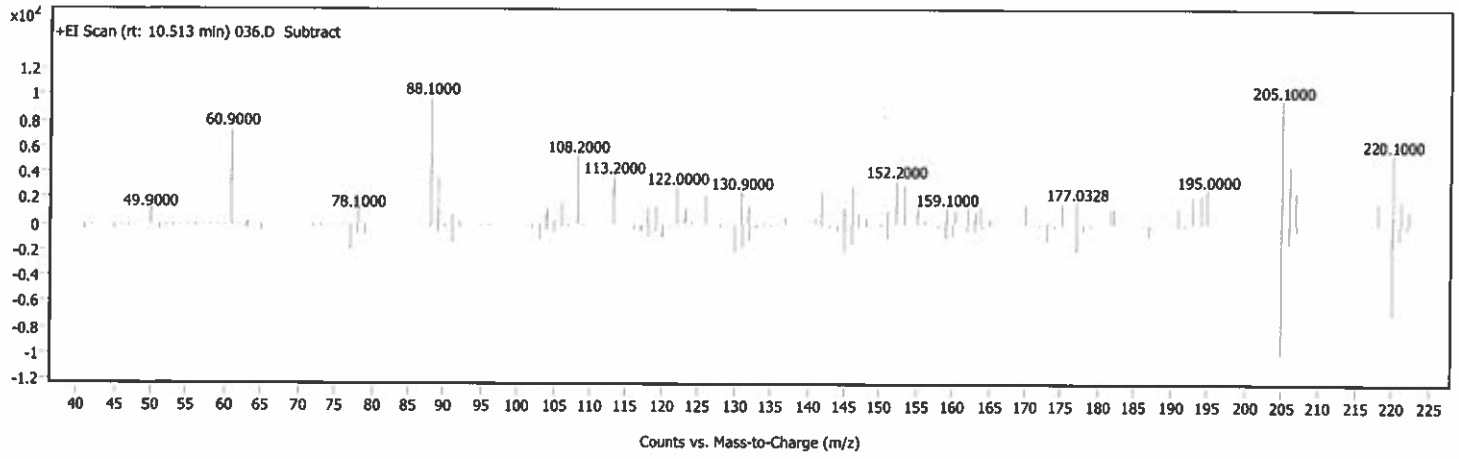
+ Scan (rt: 10.513 min) Sub **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	50.29	aafs.l	MATRIX 10 LOD - LVR	KM/QC DATA IN XYLAZINE VALIDATION

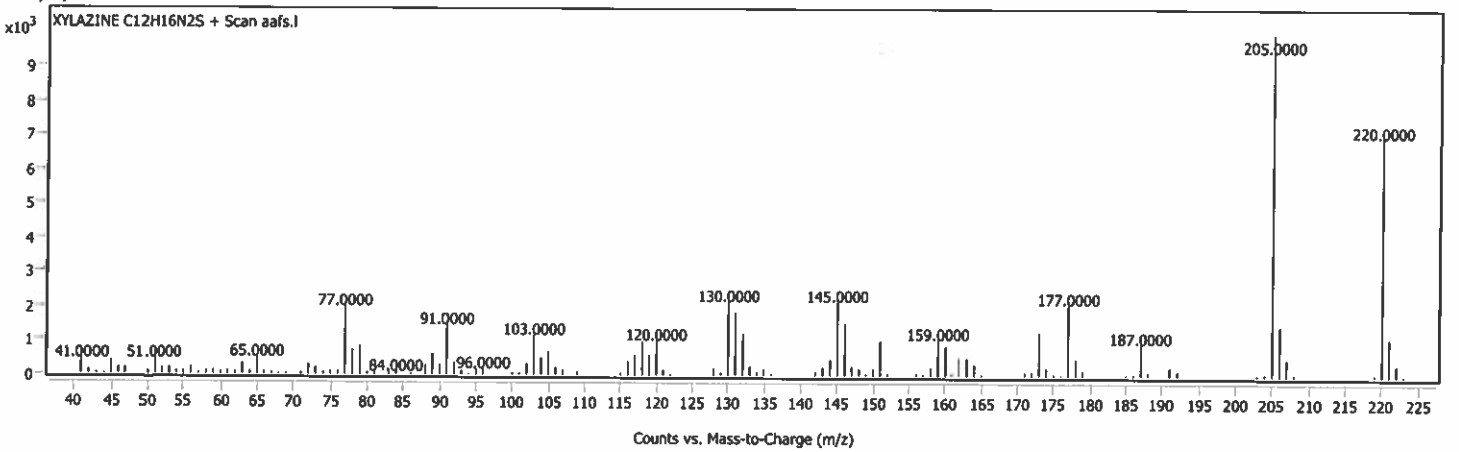
Observed Spectrum



Mirror Plot



Library Spectrum



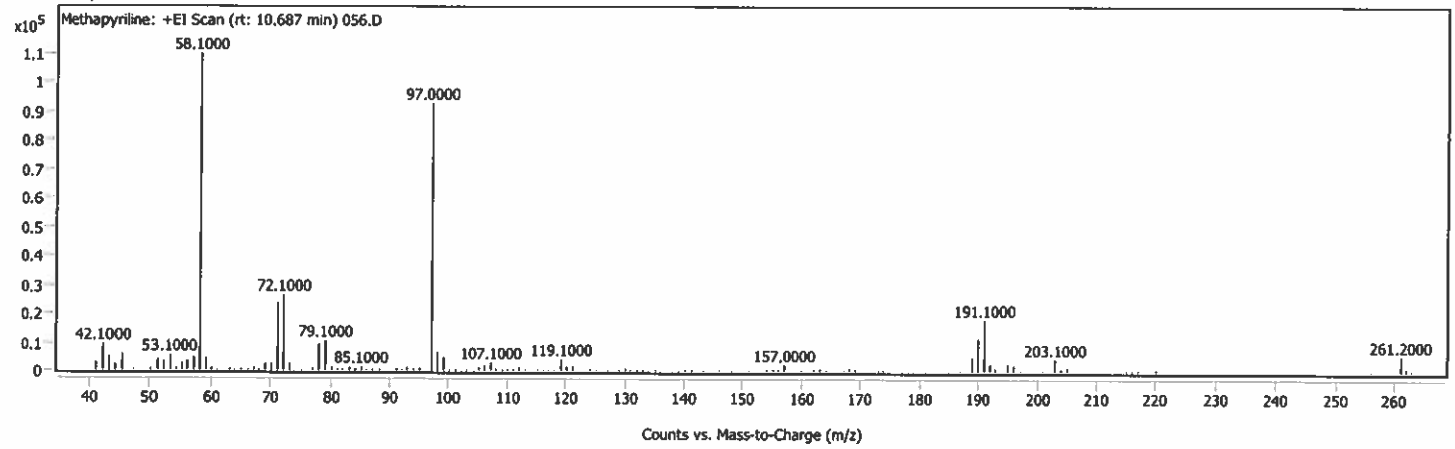
Analysis Report

Agilent

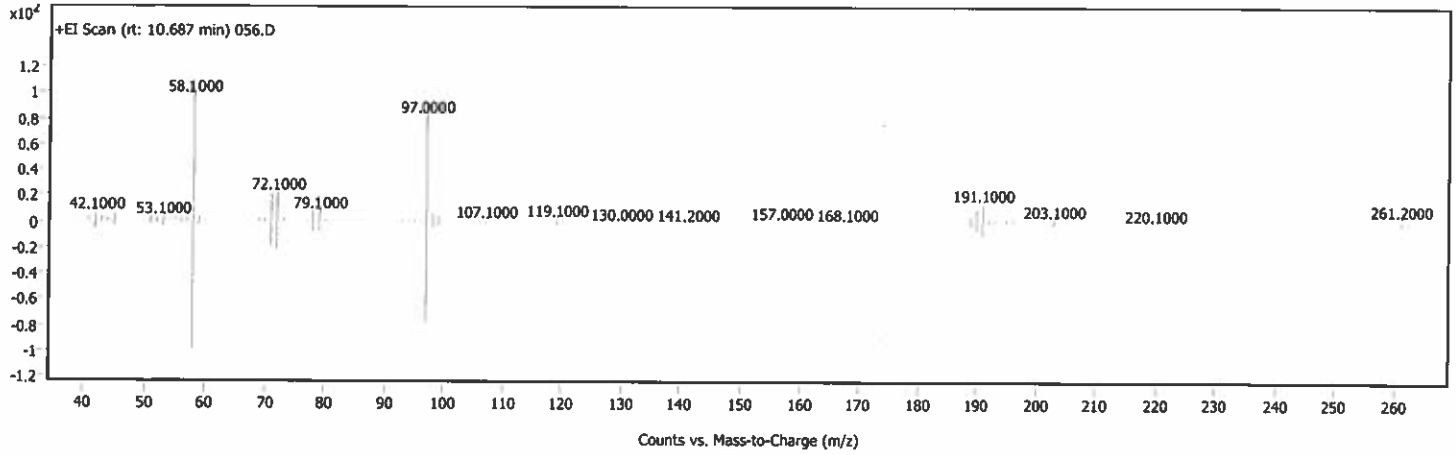
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	93.38	SWGDRUG 3.3.L	MATRIX 10 W/ISTD 2.0 mg/L- LVR	KM/QC DATA IN XYLAZINE VALIDATION

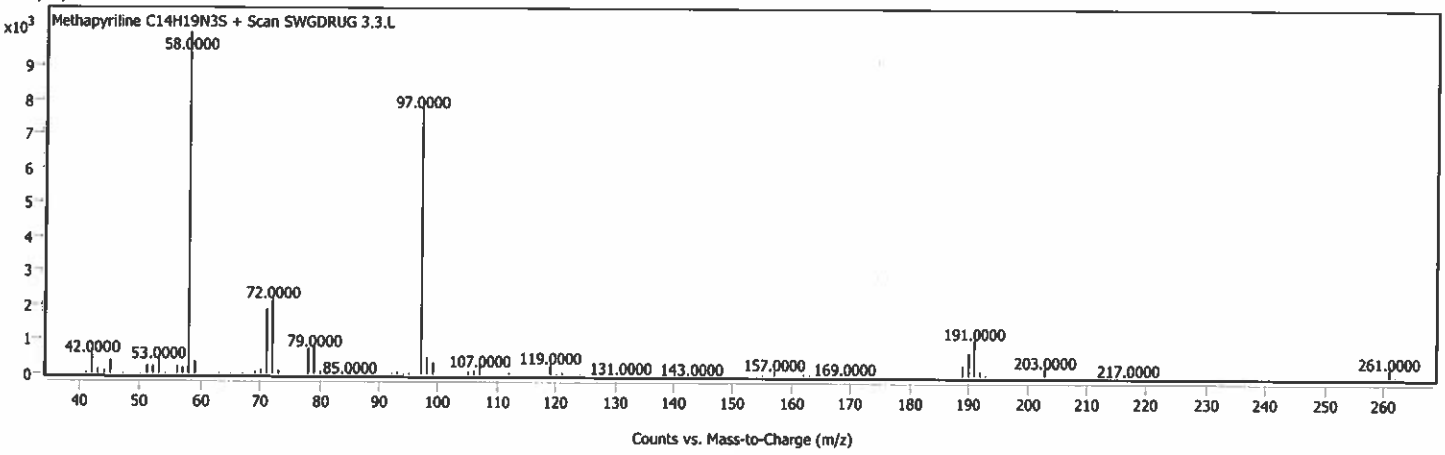
Observed Spectrum



Mirror Plot

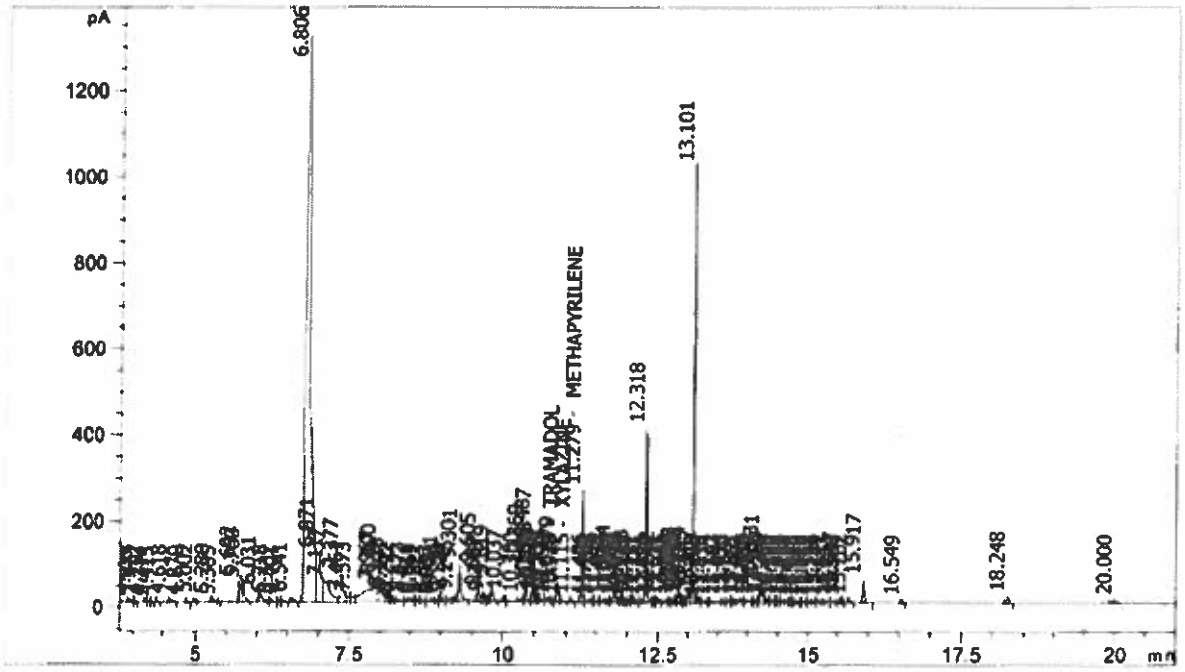


Library Spectrum



Injection Date: 9/29/2021 6:22:37 AM Seq Line: 42
Sample Name: MATRIX 10 LOD - LVR Vial 43
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION

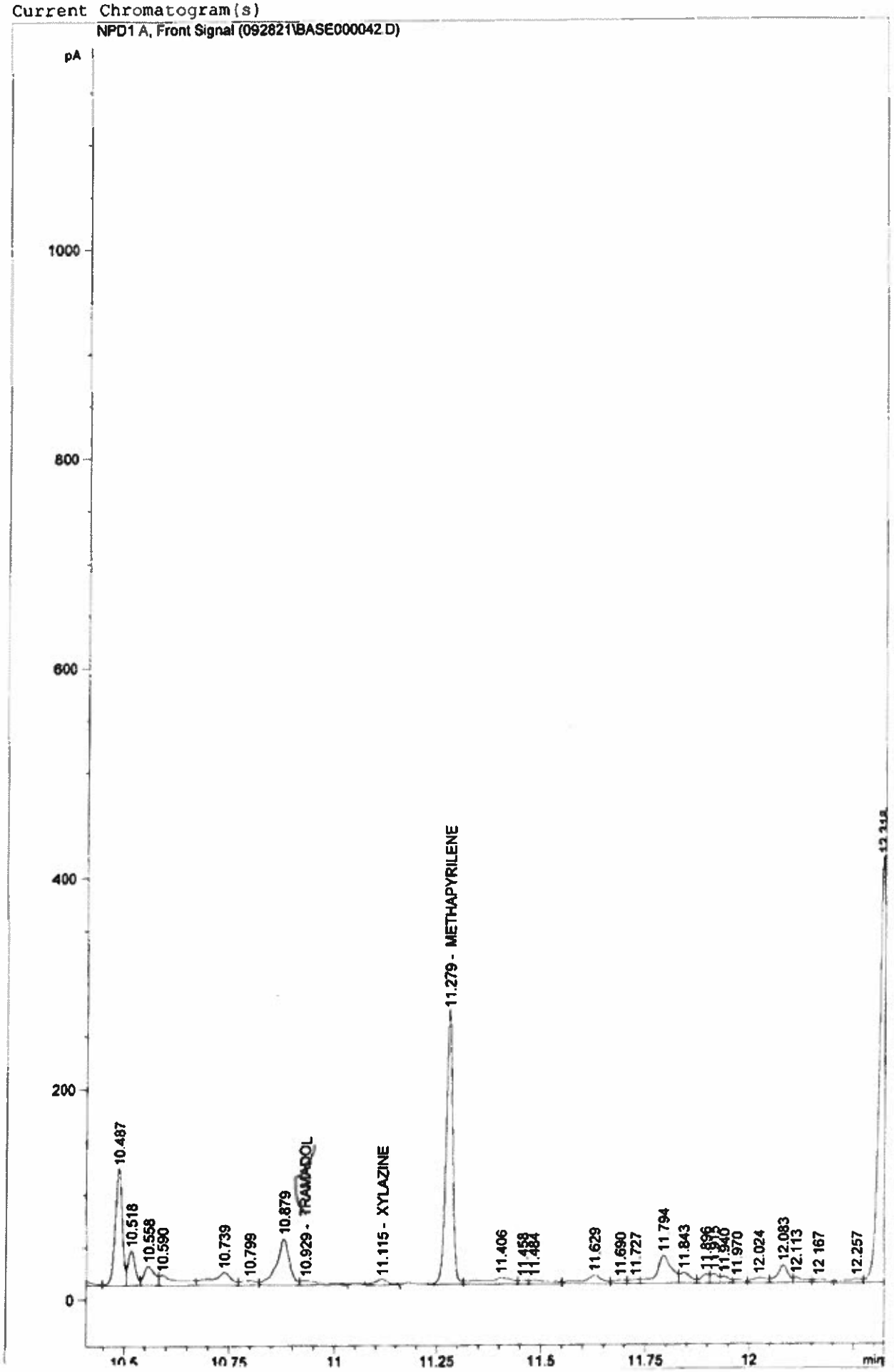


see expanded chromatogram on following page

RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
10.929	11.033	15.959	4.366	0.000000	TRAMADOL ND
11.115	11.046	11.746	5.267	0.000000	XYLAZINE RRT - 0.9855
11.279	11.278	298.938	259.493	1.000000	METHAPYRILENE

LVR not used in avg of RRTs

Current Chromatogram(s)



ASSAY: Base Screen

QC Data File: Xylazine Validation

Analyst(s): K.Meinweiser

	Sample / FS #	Item #	Sample Info
1	MATRIX 2 BASE DRUGS ONLY	BLD	2.0 mg/L - 400uL of 0.01 mg/mL of SWCTL
2	MATRIX 1 BASE DRUGS ONLY	BLD	
3	MATRIX 6 BASE DRUGS ONLY	URN	
4	MATRIX 10 BASE DRUGS ONLY	LVR	2.0 mg/L - 400uL of 0.01 mg/mL of Cal
5	MATRIX 2 BASE DRUGS ONLY	BLD	2.0 mg/L - 400uL of 0.01 mg/mL of IHCTL
6	MATRIX 1 BASE DRUGS ONLY	BLD	
7	MATRIX 6 BASE DRUGS ONLY	URN	
8	MATRIX 10 BASE DRUGS ONLY	LVR	
9	MATRIX 2 BASE DRUGS	BLD	2.0 mg/L - 400uL of 0.01 mg/mL of SWCTL
10	MATRIX 1 BASE DRUGS	BLD	plus 2.0 mg/L - 400uL of 0.01 mg/mL of Xylazine
11	MATRIX 6 BASE DRUGS	URN	
12	MATRIX 10 BASE DRUGS	LVR	2.0 mg/L - 400uL of 0.01 mg/mL of Cal
13	MATRIX 2 BASE DRUGS	BLD	2.0 mg/L - 400uL of 0.01 mg/mL of IHCTL
14	MATRIX 1 BASE DRUGS	BLD	plus 2.0 mg/L - 400uL of 0.01 mg/mL of Xylazine
15	MATRIX 6 BASE DRUGS	URN	
16	MATRIX 10 BASE DRUGS	LVR	*satisfies 2.8.1.1.5
17	MATRIX 2 0.10 mg/L	BLD	20 uL of 0.01 mg/mL std
18	MATRIX 1 0.10 mg/L	BLD	
19	MATRIX 6 0.10 mg/L	URN	
20	MATRIX BLANK		
21	MATRIX 2 0.50 mg/L	BLD	100 uL of 0.01 mg/mL std
22	MATRIX 1 0.50 mg/L	BLD	
23	MATRIX 6 0.50 mg/L	URN	
24	MATRIX BLANK		
25	MATRIX 2 1.0 mg/L	BLD	200 uL of 0.01 mg/mL std

	Sample / FS #	Item #	Sample Info
26	MATRIX 1 1.0 mg/L	BLD	
27	MATRIX 6 1.0 mg/L	URN	
28	MATRIX BLANK		
29	MATRIX 2 2.0 mg/L	BLD	400 uL of 0.01 mg/mL std
30	MATRIX 1 2.0 mg/L	BLD	
31	MATRIX 6 2.0 mg/L	URN	
32	MATRIX BLANK		*satisfies 2.8.1.1.7
33			
34			
35			
36			
37			
38			
39			
40			
41			
42			
43			
44			
45			
46			
47			
48			
49			
50			

Specimens removed from TX ADM storage, aliquots removed for analysis, specimens returned to TX ADM storage by, unless otherwise noted:

Extraction: LL / (SPE) **SPE lot #:** 024170-XD

Control Charts Updated (Initials/Date): N/A

Analyst: Kimberly Meinweiser

Reviewer / Date: _____

Date: 09-28-21

Time Removed: N/A **Time Returned:** N/A

Toxicology Batch Lot Summary Sheet

Analysis:	Base Quant/Screen	
QC Data File:	Xylazine Validation	
Material	**Lot Number**	**Expiration Date**
ISTD	ISTD-210510	5-10-22
Xylazine Cal	C-XYLA-20210922	6-10-23
Phosphate Buffer	9-21-21	9-21-23
Acetic Acid	8-31-21	8-31-23
Methanol	DZ846-US	3-10-22
Hexane	0000269095	9-3-24
THIA	7-9-21	7-9-23
DiH_2O	In-House	N/A
Methylene Chloride/IPA/NH_4OH	9-28-21	9-29-21
Statewide Base Control	BQ200122	01-2022
In-House Base Control	K-IHB-2020	12-18-21
Base Cal 1	C-Base-202102	01-2022
Matrix 1	BB0321-1	
Matrix 2	BB0721-1	
Matrix 6	BUR101017	
Matrix 10	LVR09231	

method: C:\CHEM32\1\METHODS\ALKALI.M
Modified on: 11/2/2022 at 4:25:43 PM

Agilent 7890B

GC	
Oven	
Equilibration Time	0.5 min
Max Temperature	325 °C
Slow Fan	Disabled
Oven Program	On
Oven Program	90 °C for 2 min
Oven#1	then 15 °C/min to 245 °C for 0 min
Oven#2	then 30 °C/min to 300 °C for 7 min
Run Time	21.167 min
Cryo	Off
ALS	
Front Injector	
Syringe Size	10 µL
Syringe	A Syringe has not been selected.
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	4
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	2
Solvent B Washes (PostInj)	4
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	2
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	1 sec
Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0.2 µL
Tray	
Barcode heater	Disabled
Barcode mixer	Disabled
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Pulsed Splitless
Heater	On 260 °C
Pressure	On 18.881 psi
Total Flow	On 44.5 mL/min
Septum Purge Flow	On 3 mL/min
Gas Saver	On 20 After 2 min mL/min
Injection Pulse Pressure	40 psi Until 0.3 min

method: C:\CHEM32\1\METHODS\ALKALI.M
Modified on: 11/2/2022 at 4:25:43 PM

Purge Flow to Split Vent	40 mL/min at 0.5 min
Liner	Agilent 5190-2293: 900 µL (Splitless, single tape
Back SS Inlet He	
	***Excluded from Affecting GC's Readiness State**
Mode	Splitless
Heater	On 250 °C
Pressure	On 9.801 psi
Total Flow	On 41.7 mL/min
Septum Purge Flow	Off
Gas Saver	Off
Purge Flow to Split Vent	40 mL/min at 0.5 min
Liner	Agilent 5183-4647; Lot P02-C6823: 870 µL (Split,
Column	
Column #1	
21080	
Restek RTX-1; SN 1652462	
0 °C–350 °C (350 °C): 30 m x 250 µm x 0.25 µm	
Column lock	Unlocked
In	Front SS Inlet He
Out	Front Detector NPD
(Initial)	90 °C
Pressure	18.881 psi
Flow	1.5 mL/min
Average Velocity	36.082 cm/sec
Holdup Time	1.3857 min
Flow Program	On
Flow Program	1.5 mL/min for 1 min
Flow	then 0.2 mL/min per min to 2.2 mL/min for 0 m
Run Time	21.167 min
Column #2	
10223	
RTX-5	
0 °C–325 °C (325 °C): 30 m x 320 µm x 0.25 µm	
Column lock	Unlocked
In	Back SS Inlet He
Out	Back Detector FID
(Initial)	90 °C
Pressure	9.801 psi
Flow	1.7 mL/min
Average Velocity	31.621 cm/sec
Holdup Time	1.5812 min
Flow Program	On
Flow Program	1.7 mL/min for 1 min
Flow	then 0.2 mL/min per min to 3 mL/min for 0 min
Run Time	21.167 min
Front Detector NPD	
Heater	On 310 °C
H2 Flow	On 3 mL/min
Air Flow	On 60 mL/min
Makeup Flow (Combined)	On 10 mL/min
Carrier Gas Flow Correction	Included in Makeup Flow
Bead	On
Signal 1 Type	NPD
Maximum Bead Voltage	4.095 V
Blos Bead	No

method: C:\CHEM32\1\METHODS\ALKALI.M
Modified on: 11/2/2022 at 4:25:43 PM

Dry Bead	Yes
Auto Adjust Bead	No
Back Detector FID	
	***Excluded from Affecting GC's Readiness State**
Heater	On 280 °C
H2 Flow	Off
Air Flow	Off
Makeup Flow	On 25 mL/min
Carrier Gas Flow Correction	Does not affect Makeup or Fuel Flow
Flame	Off
Electrometer	On
Signals	
Signal #1: Front Signal	
Description	Front Signal
Details	
Save	On
Data Rate	50 Hz
Signal #2: Back Signal	
Description	Back Signal
Details	
Save	Off
Data Rate	5 Hz
Signal #3: Test Plot	
Description	Test Plot
Details	
Save	Off
Data Rate	50 Hz
Signal #4: Test Plot	
Description	Test Plot
Details	
Save	Off
Data Rate	50 Hz
Run Time Events	
Run Time Events	
Run Time Events Time	0 min
Run Time Events Event	Detector H2 Fuel Flow
Run Time Events Position	0
Run Time Events Setpoint	Off
Run Time Events Time	2 min
Run Time Events Event	Detector H2 Fuel Flow
Run Time Events Position	0
Run Time Events Setpoint	On

Sequence Name: C:\MassHunter\GCMS\1\sequence\alkalival.sequence.xml
Comment: Base
Operator: KM/QC DATA IN XYLAZINE VALIDATION KM
Data Path: C:\MassHunter\GCMS\1\data\BASES\092821\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

vials loaded by AJ

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	26	ETOAC	ALKALI	ETOAC
2)	Sample	27	001	ALKALI	MATRIX 1 0.10 mg/L - BLD
3)	Sample	28	002	ALKALI	MATRIX 2 0.10 mg/L - BLD
4)	Sample	29	003	ALKALI	MATRIX 6 0.10 mg/L - URN
5)	Sample	30	004	ALKALI	MATRIX BLANK after 0.1 mg/L
6)	Sample	31	005	ALKALI	MATRIX 1 0.50 mg/L - BLD
7)	Sample	32	006	ALKALI	MATRIX 2 0.50 mg/L - BLD
8)	Sample	33	007	ALKALI	MATRIX 6 0.50 mg/L - URN
9)	Sample	34	008	ALKALI	MATRIX BLANK after 0.5 mg/L
10)	Sample	35	009	ALKALI	MATRIX 1 1.0 mg/L - BLD
11)	Sample	36	010	ALKALI	MATRIX 2 1.0 mg/L - BLD
12)	Sample	37	011	ALKALI	MATRIX 6 1.0 mg/L - URN
13)	Sample	38	012	ALKALI	MATRIX BLANK after 1.0 mg/L
14)	Sample	39	013	ALKALI	MATRIX 1 2.0 mg/L - BLD
15)	Sample	40	014	ALKALI	MATRIX 2 2.0 mg/L - BLD
16)	Sample	41	015	ALKALI	MATRIX 6 2.0 mg/L - URN
17)	Sample	42	016	ALKALI	MATRIX BLANK after 2.0 mg/L
18)	Sample	43	0147	ALKALI	MATRIX 1 W/ SW CTL - BLD
19)	Sample	44	018	ALKALI	MATRIX 2 W/ SW CTL - BLD
20)	Sample	45	019	ALKALI	MATRIX 6 W/ SW CTL - URN
21)	Sample	46	020	ALKALI	MATRIX 10 W/ 0.01 mg/L CAL -
22)	Sample	47	SOL	ALKALI	Solvent Blank
23)	Sample	48	021	ALKALI	MATRIX 1 W/ IH CTL - BLD
24)	Sample	49	022	ALKALI	MATRIX 2 W/ IH CTL - BLD
25)	Sample	50	023	ALKALI	MATRIX 6 W/ IH CTL - URN
26)	Sample	51	024	ALKALI	MATRIX 10 W/ IH CTL - LVR
27)	Sample	52	SOL1	ALKALI	Solvent Blank 1
28)	Sample	53	025	ALKALI	MATRIX 1 W/ SW CTL + XYLAXINE
29)	Sample	54	026	ALKALI	MATRIX 2 W/ SW CTL + XYLAZINE
30)	Sample	55	027	ALKALI	MATRIX 6 W/ SW CTL + XYLAZINE
31)	Sample	56	028	ALKALI	MATRIX 10 W/ 0.01 mg/L CAL +
32)	Sample	57	SOL2	ALKALI	Solvent Blank 2
33)	Sample	58	029	ALKALI	MATRIX 1 W/ IH CTL + XYLAZINE
34)	Sample	59	030	ALKALI	MATRIX 2 W/ IH CTL + XYLAZINE
35)	Sample	60	031	ALKALI	MATRIX 6 W/ IH CTL + XYLAZINE
36)	Sample	61	032	ALKALI	MATRIX 10 W/ IH CTL + XYLAZINE KM 9/29/21
37)	Sample	62	SOL3	ALKALI	Solvent Blank 3
38)	Sample	63	SOL4	ALKALI	Solvent Blank 4
39)	Sample	64	033	ALKALI	MATRIX 1 LOD - BLD
40)	Sample	65	034	ALKALI	MATRIX 2 LOD - BLD
41)	Sample	66	035	ALKALI	MATRIX 6 LOD - URN

vial check 9/29/21 KM

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	C:\MassHunter\GCMS\1\methods\ALKALI.m
Tune file	ATUNE.U
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	150
Fixed Electron energy (eV)	70.3
Acquisition Type	Scan
Stop time (min)	22.17
Solvent delay (min)	3.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed
3.00	40	550	150	1,562 [N=2]

Timed Events

Time	Type of Event	Parameter

Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A
Extracted Ion	Scan 1-1	40	550

Self-Cleaning Ion Source Parameters

Mode	No Cleaning

INSTRUMENT CONTROL PARAMETERS: #3 - Enhanced

C:\MassHunter\GCMS\1\methods\ALKALI.m
Tue Sep 28 11:40:23 2021

Control Information

Sample Inlet	: GC
Injection Source	: GC ALS
Injection Location:	Front
Mass Spectrometer	: Enabled

No Sample Prep method has been assigned to this method.

GC

GC Summary	
Run Time	22.167 min
Post Run Time	0 min
Oven	
Temperature	
Setpoint	On
(Initial)	90 °C
Hold Time	2 min
Post Run	0 °C
Program	
#1 Rate	15 °C/min
#1 Value	245 °C
#1 Hold Time	0 min
#2 Rate	30 °C/min
#2 Value	300 °C
#2 Hold Time	8 min
Equilibration Time	0.5 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS

Front Injector	
Syringe Size	10 µL
Injection Volume	1 µL
Injection Repetitions	1
Injection Delay	0 sec
Solvent A Washes (PreInj)	4
Solvent A Washes (PostInj)	4
Solvent A Volume	8 µL
Solvent B Washes (PreInj)	4
Solvent B Washes (PostInj)	4
Solvent B Volume	8 µL
Sample Washes	0
Sample Wash Volume	8 µL
Sample Pumps	2
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min

Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec
Sample Depth	Disabled
Tower Fan	On
Solvent Wash Mode	A-A2,B-B2
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Pulsed Splitless
Heater	On 260 °C
Pressure	On 15.177 psi
Total Flow	On 46.869 mL/min
Septum Purge Flow	On 3 mL/min
Septum Purge Flow Mode	Standard
Gas Saver	On 20 After 2 min mL/min
Injection Pulse Pressure	40 psi Until 0.3 min
Purge Flow to Split Vent	42.4 mL/min at 0.5 min
Liner	A Liner has not been selected.
Thermal Aux 2 (MSD Transfer Line)	
Temperature	
Setpoint	On
(Initial)	280 °C
Column	
Column #1	
Flow	
Setpoint	On
(Initial)	1.4687 mL/min
Hold Time	1 min
Post Run	1.2 mL/min
Program	
#1 Rate	0.2 mL/min per min
#1 Value	3 mL/min
#1 Hold Time	0 min
Column Information	Restek 10123
Rtx-1 SN 1652464	
Temperature Range	-60 °C–350 °C (350 °C)
Dimensions	30 m x 250 µm x 0.25 µm
In	Front SS Inlet He
Out	MSD
(Initial)	90 °C
Pressure	15.177 psi
Flow	1.4687 mL/min
Average Velocity	45 cm/sec
Holdup Time	1.1111 min
Control Mode	Ramped Flow
Column Outlet Pressure	0 psi
Front Detector NPD	
	Excluded from Affecting GC's Readiness State
Makeup	He
Heater	Off
H2 Flow	Off
Air Flow	Off
Makeup Flow	Off

Carrier Gas Flow Correction	Constant Makeup and Fuel Flow
Bead	Off
Maximum Bead Voltage	4.095 V
Blos Bead	No
Dry Bead	Yes
Auto Adjust Bead	No

Signals
Signal #1:
Description None

Signal #2:
Description None

Signal #3:
Description None

Signal #4:
Description None

TUNE PARAMETERS for SN: US71236345

Trace Ion Detection is OFF.

34.610	:	EMISSION
70.347	:	ENERGY
28.232	:	REPELLER
90.157	:	IONFOCUS
32.000	:	ENTRANCE_LENS
1894.118	:	EMVOLTS
		1894.118 : Actual EMV
		0.81 : GAIN FACTOR
2284.000	:	AMUGAIN
119.688	:	AMUOFFSET
1.000	:	FILAMENT
0.000	:	DCPOLARITY
18.573	:	ENTLENSOFFSET
-530.000	:	MASSGAIN
-36.000	:	MASSOFFSET

END OF TUNE PARAMETERS

END OF INSTRUMENT CONTROL PARAMETERS

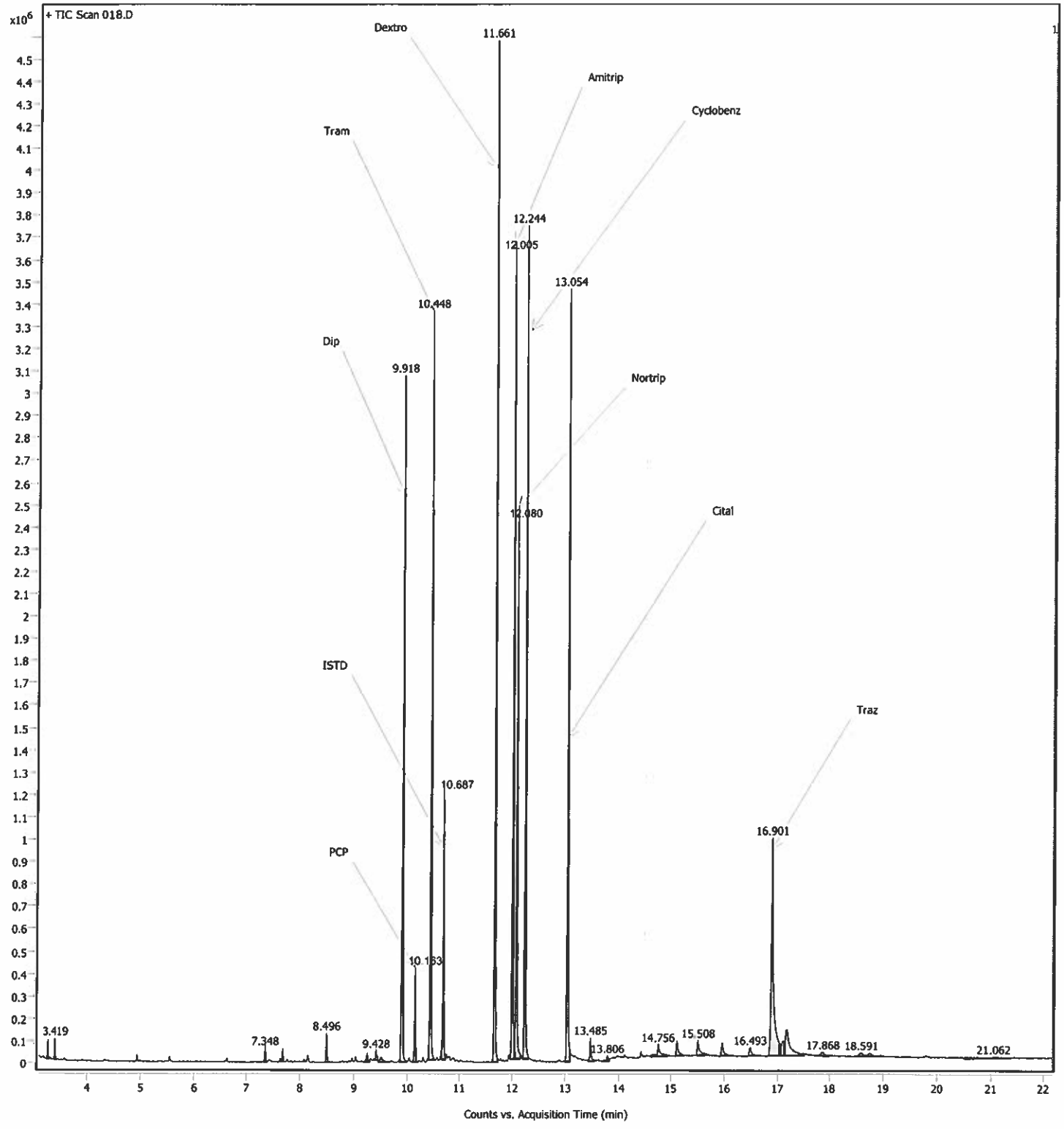
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2 W/ SW CTL - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\018.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 8:59:46 PM (UTC-04:00)
Position	44	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

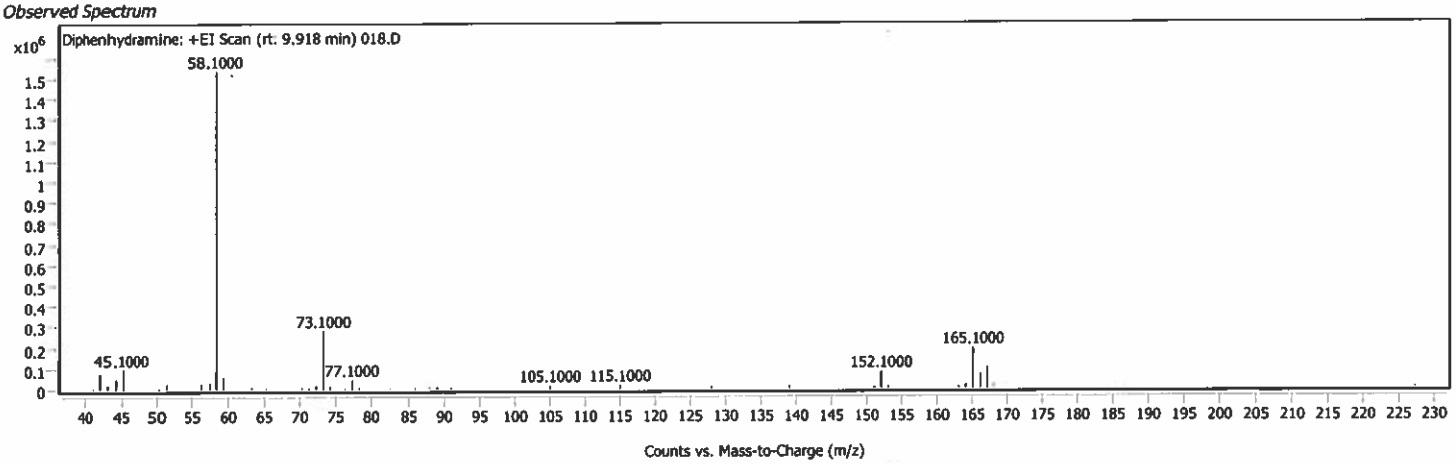
Agilent

Sample Spectra

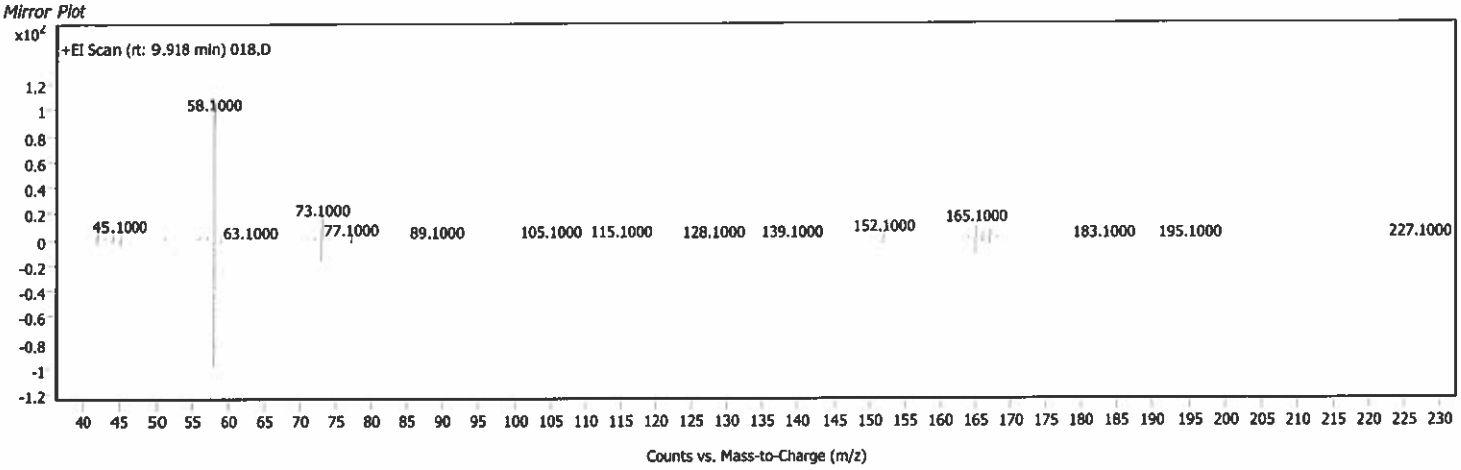
+ Scan (rt: 9.918 min) **Diphenhydramine; C17H21NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Diphenhydramine	C17H21NO	98.29	SWGDRUG 3.3.L	MATRIX 2 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

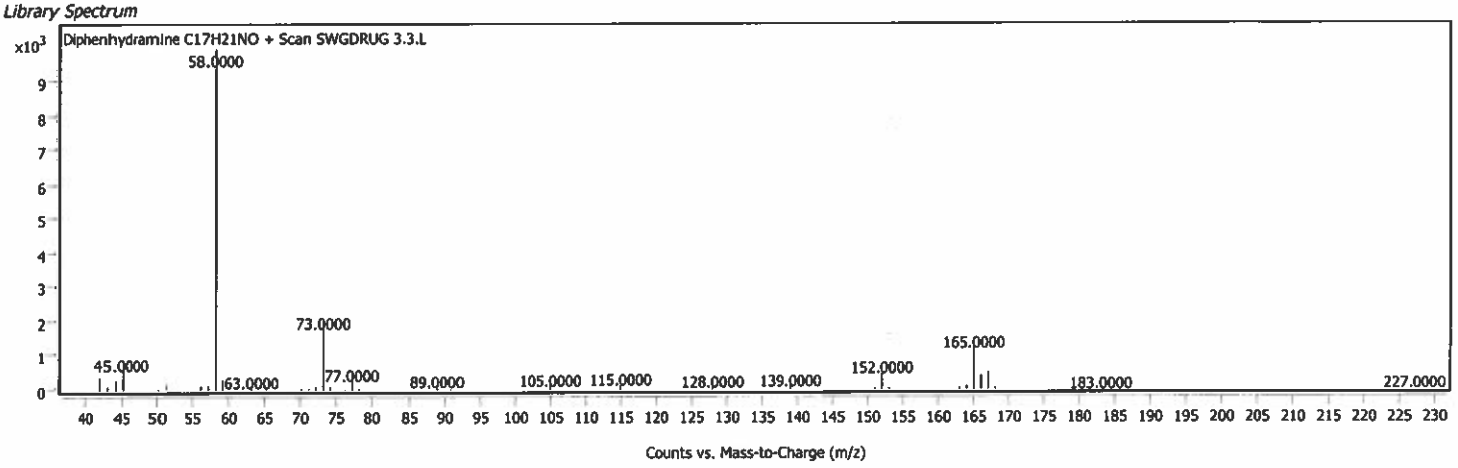
Observed Spectrum



Mirror Plot



Library Spectrum



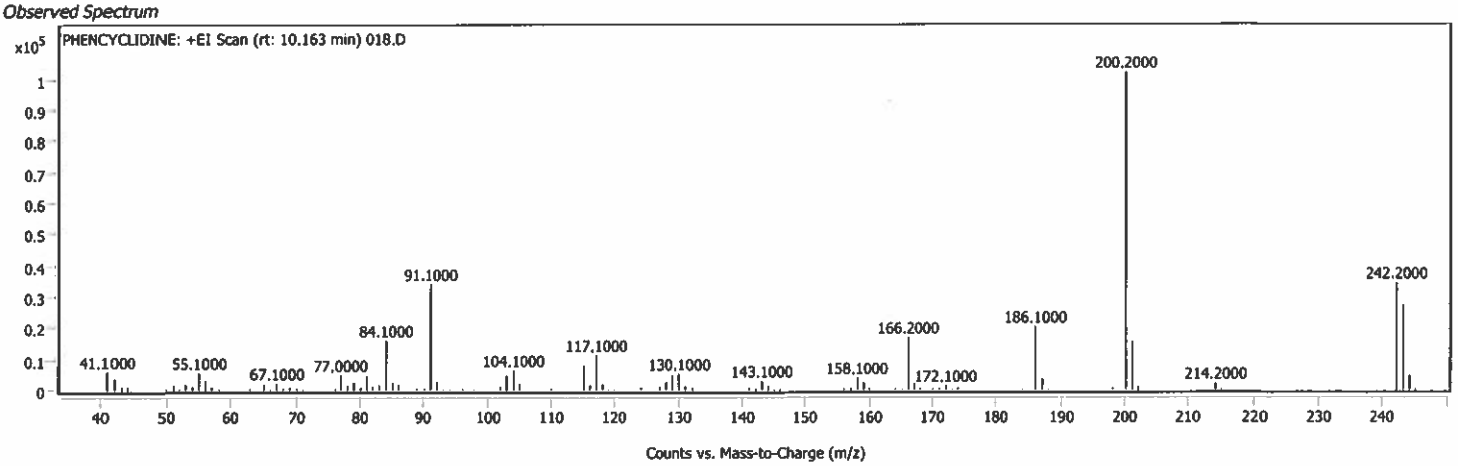
Analysis Report

Agilent

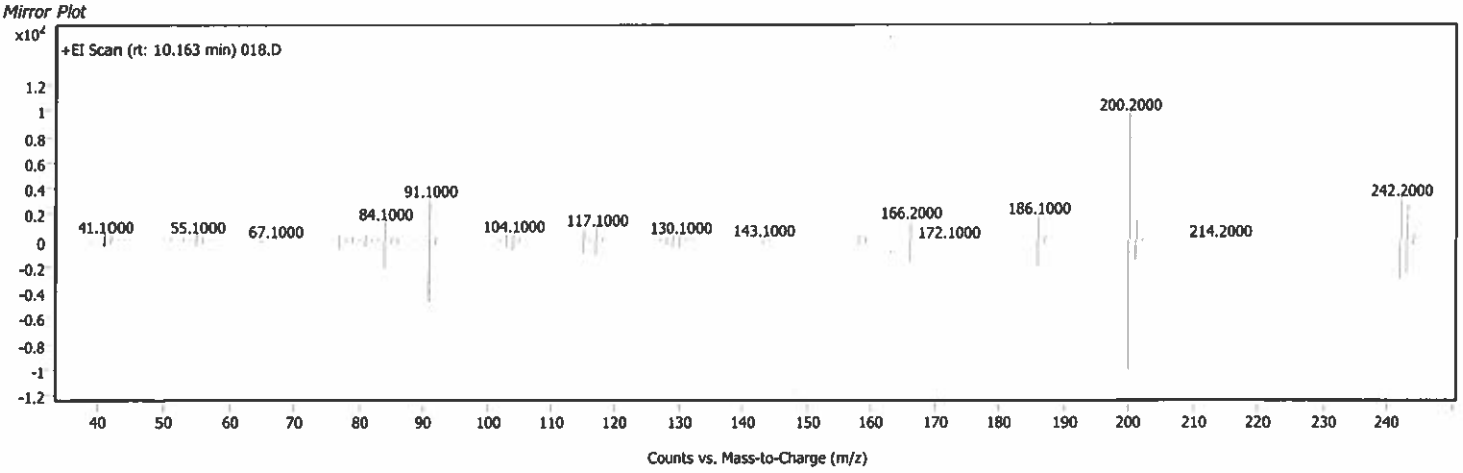
+ Scan (rt: 10.163 min) **PHENCYCLIDINE; C17H25N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
PHENCYCLIDINE	C17H25N	98.84	aafs.l	MATRIX 2 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

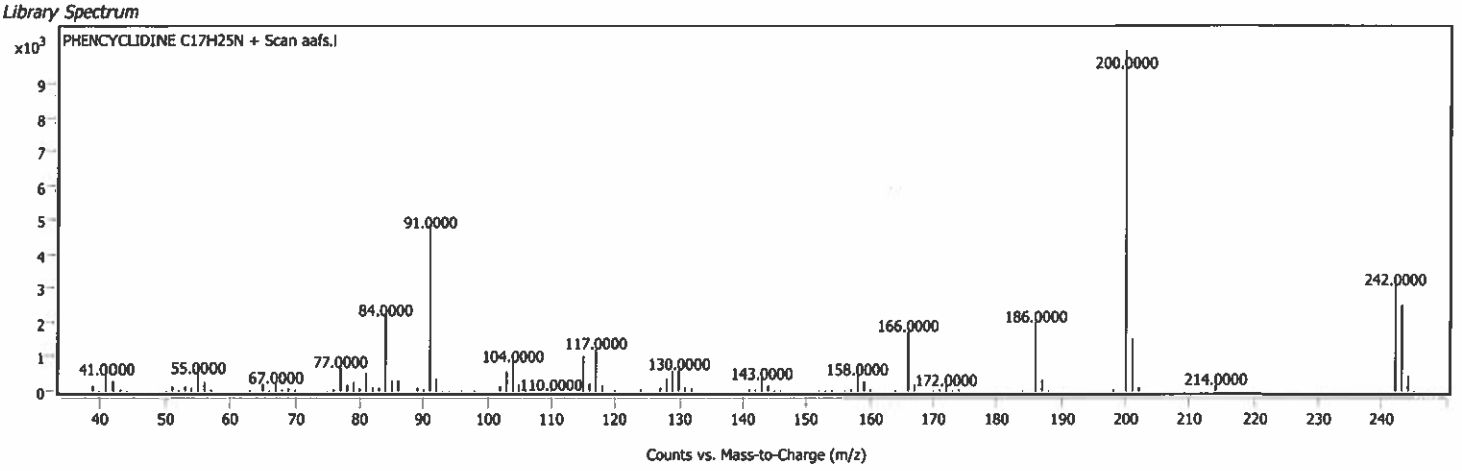
Observed Spectrum



Mirror Plot



Library Spectrum



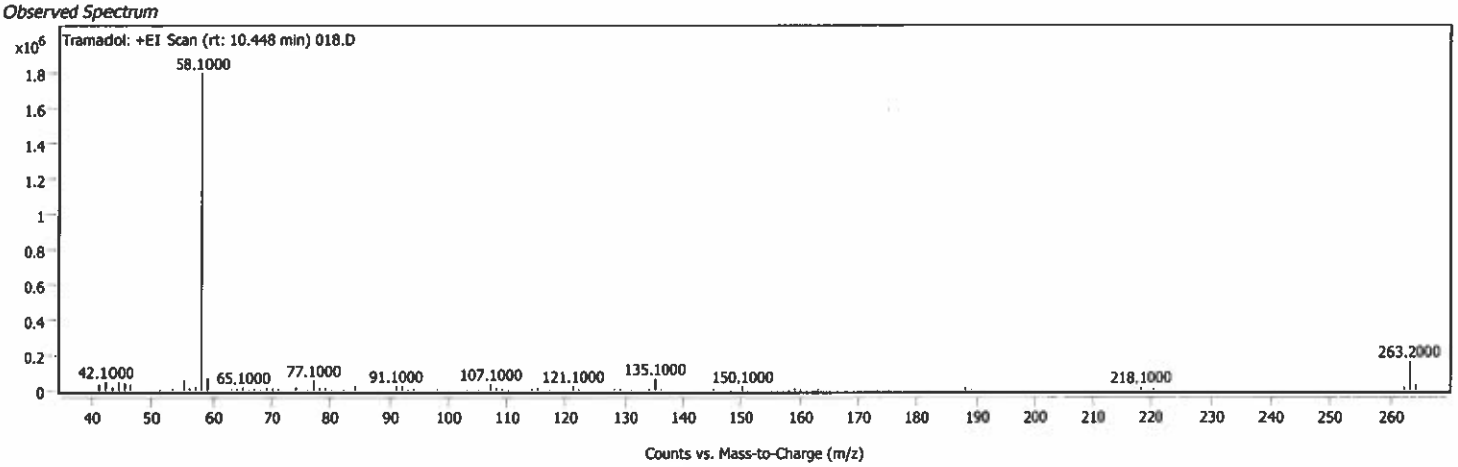
Analysis Report

Agilent

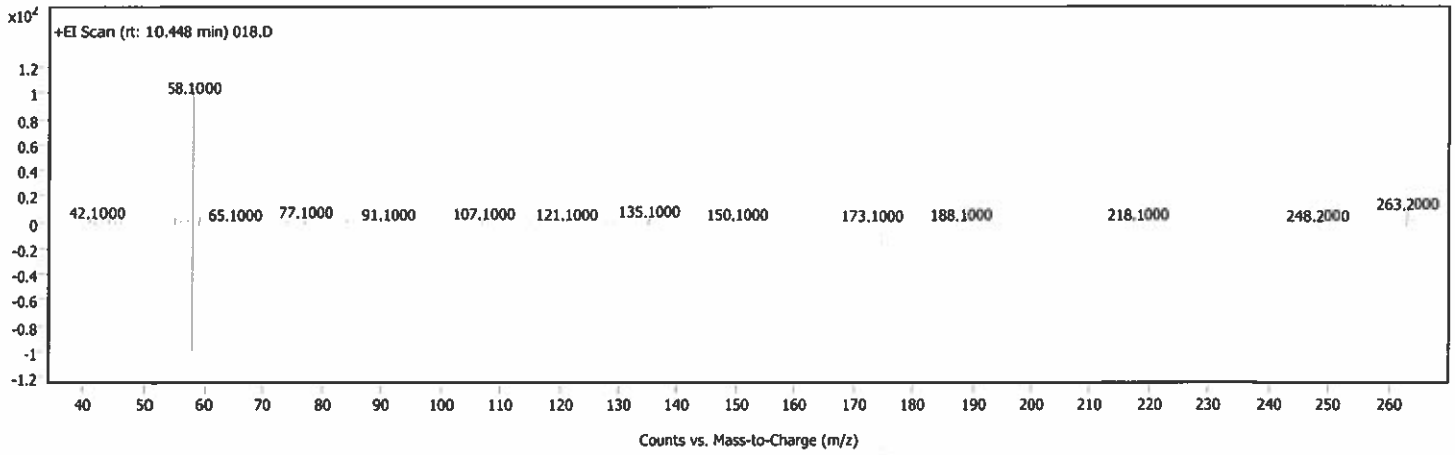
+ Scan (rt: 10.448 min) **Tramadol; C16H25NO2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Tramadol	C16H25NO2	96.16	SWGDRUG 3.3.L	MATRIX 2 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

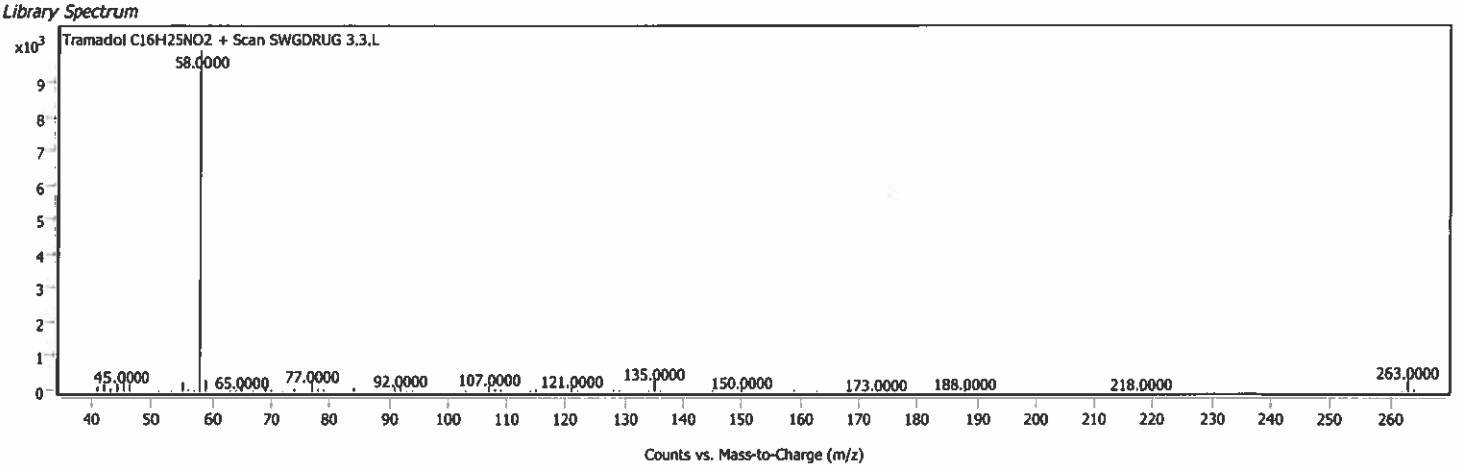
Observed Spectrum



Mirror Plot



Library Spectrum



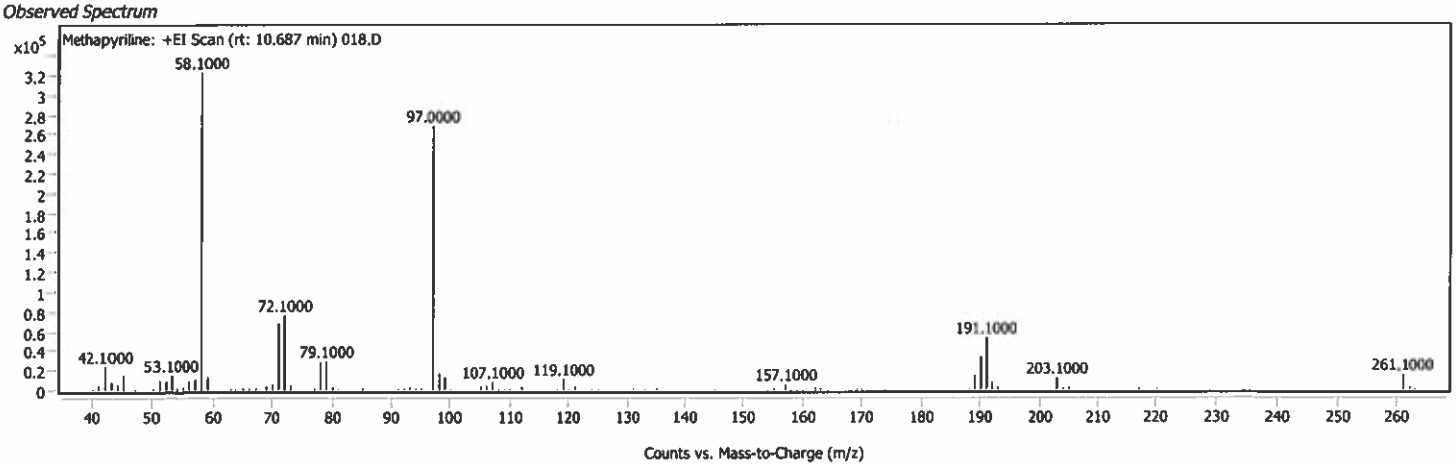
Analysis Report

Agilent

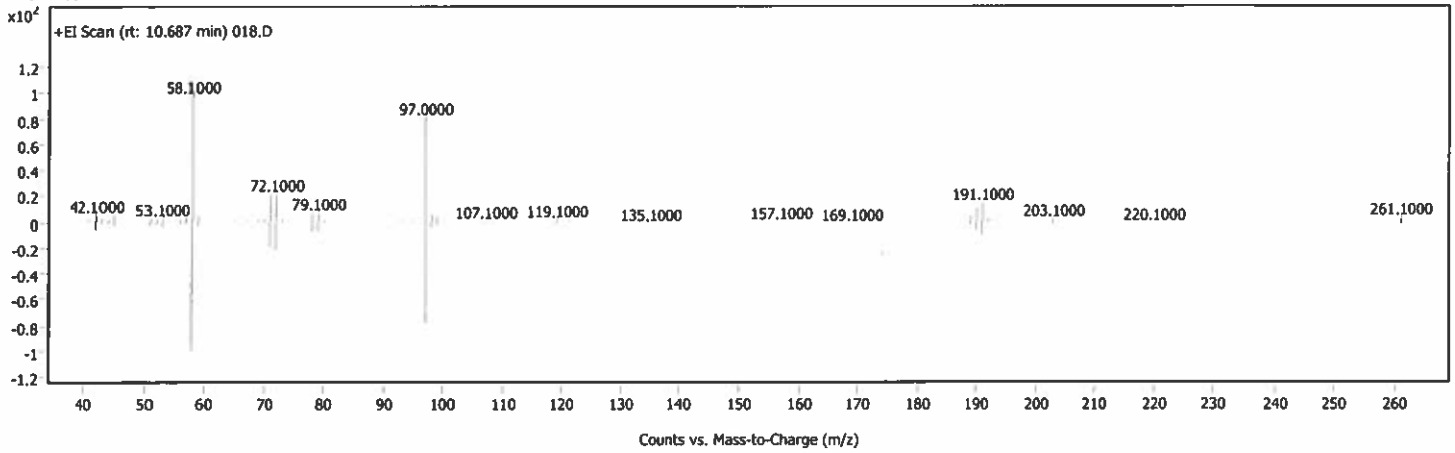
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.08	SWGDRUG 3.3.L	MATRIX 2 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

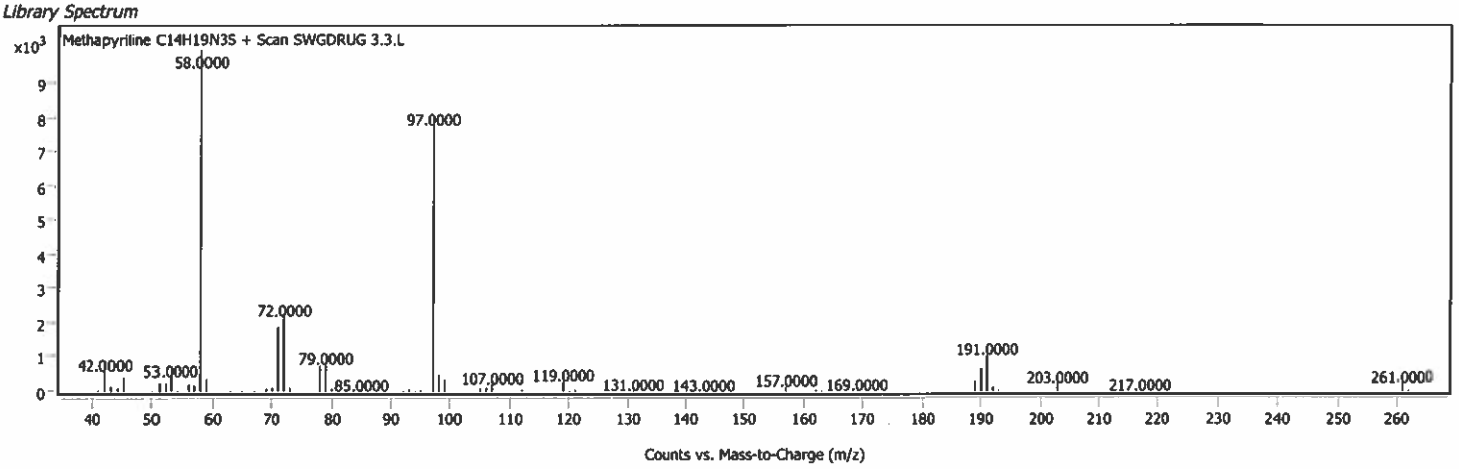
Observed Spectrum



Mirror Plot



Library Spectrum



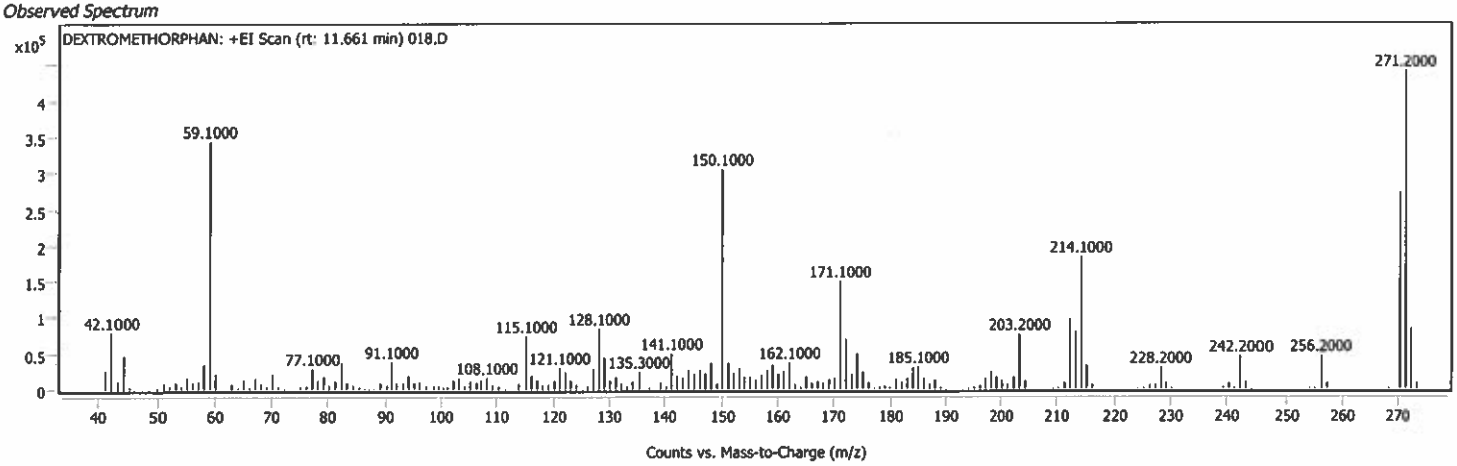
Analysis Report

Agilent

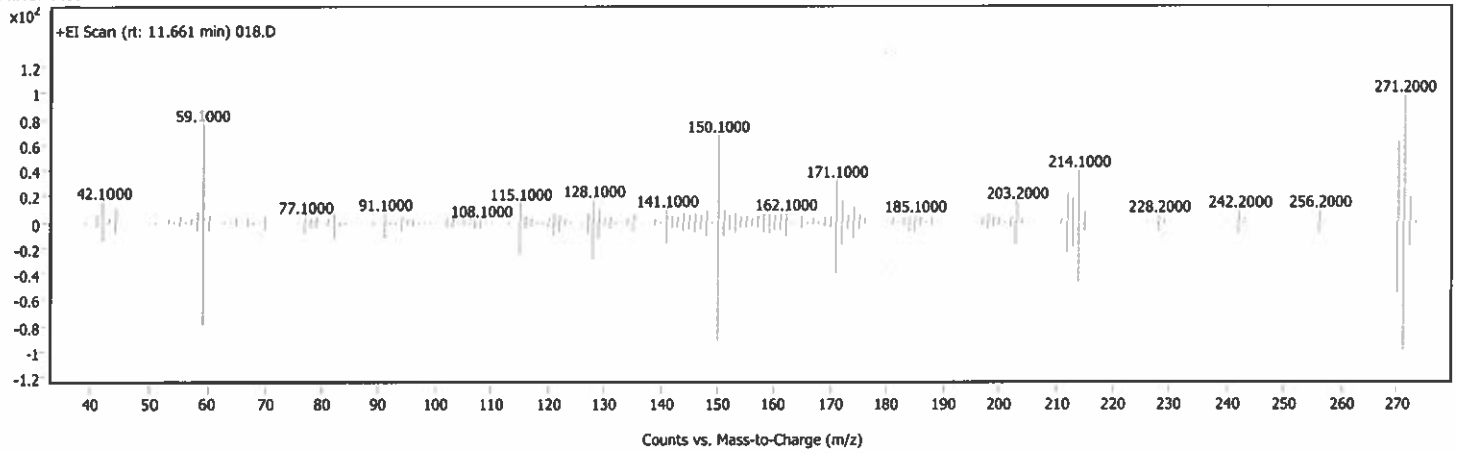
+ Scan (rt: 11.661 min) **DEXTROMETHORPHAN; C18H25NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DEXTROMETHORPHAN	C18H25NO	92.43	aafs.l	MATRIX 2 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

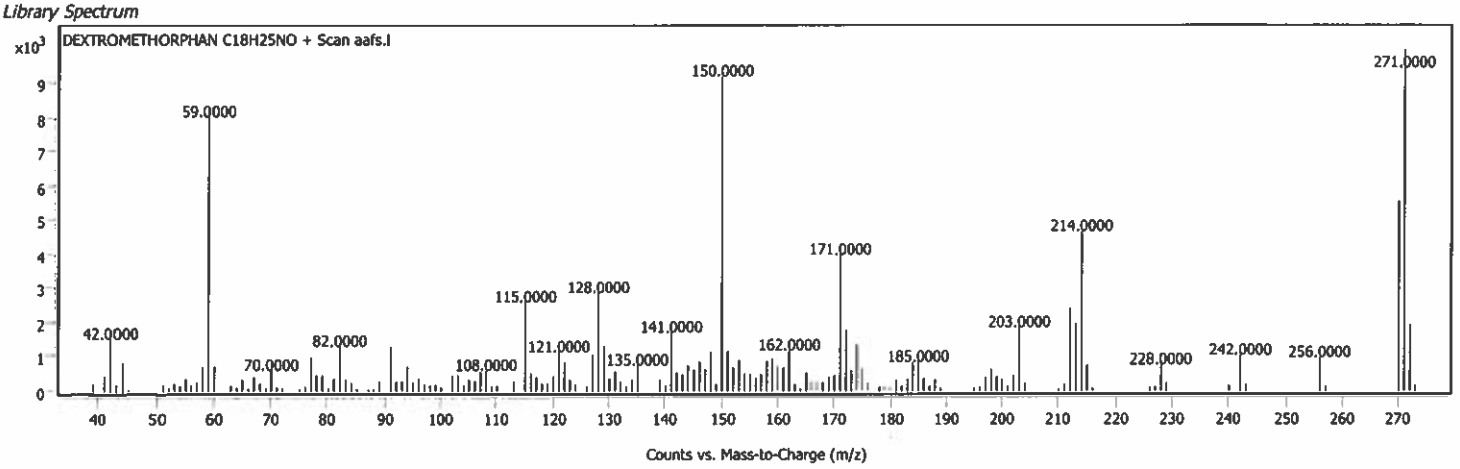
Observed Spectrum



Mirror Plot



Library Spectrum



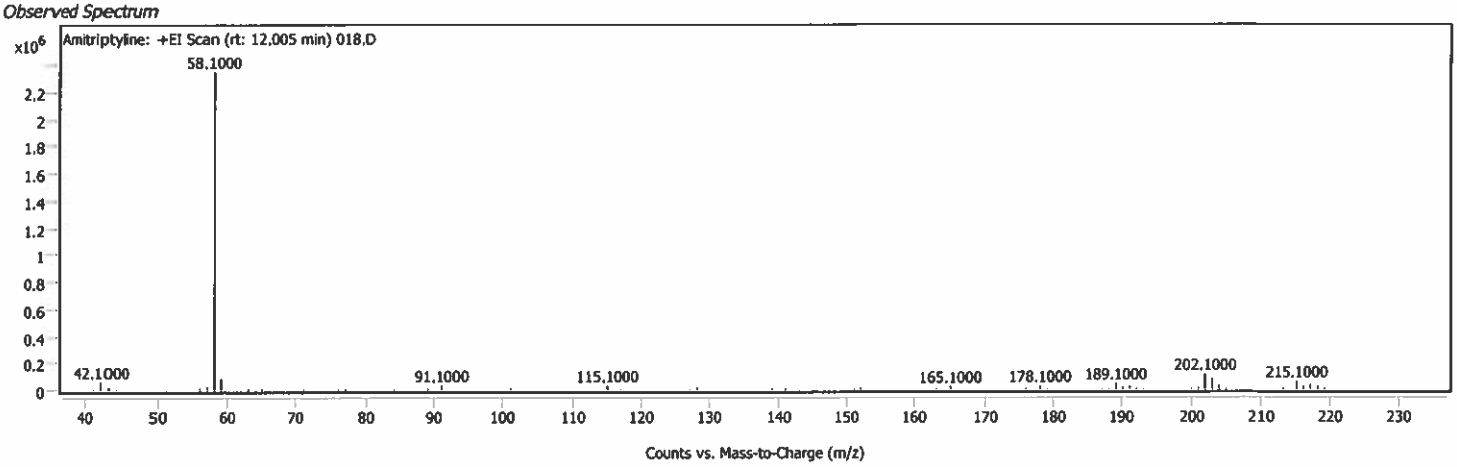
Analysis Report

Agilent

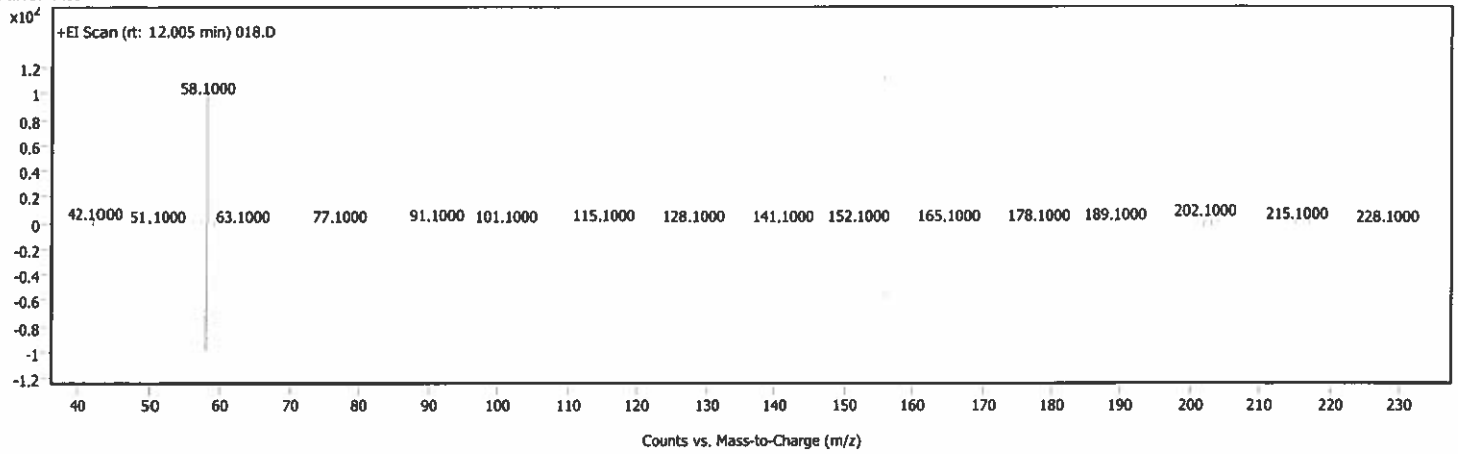
+ Scan (rt: 12.005 min) **Amitriptyline; C20H23N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Amitriptyline	C20H23N	97.94	SWGDRUG 3.3.L	MATRIX 2 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

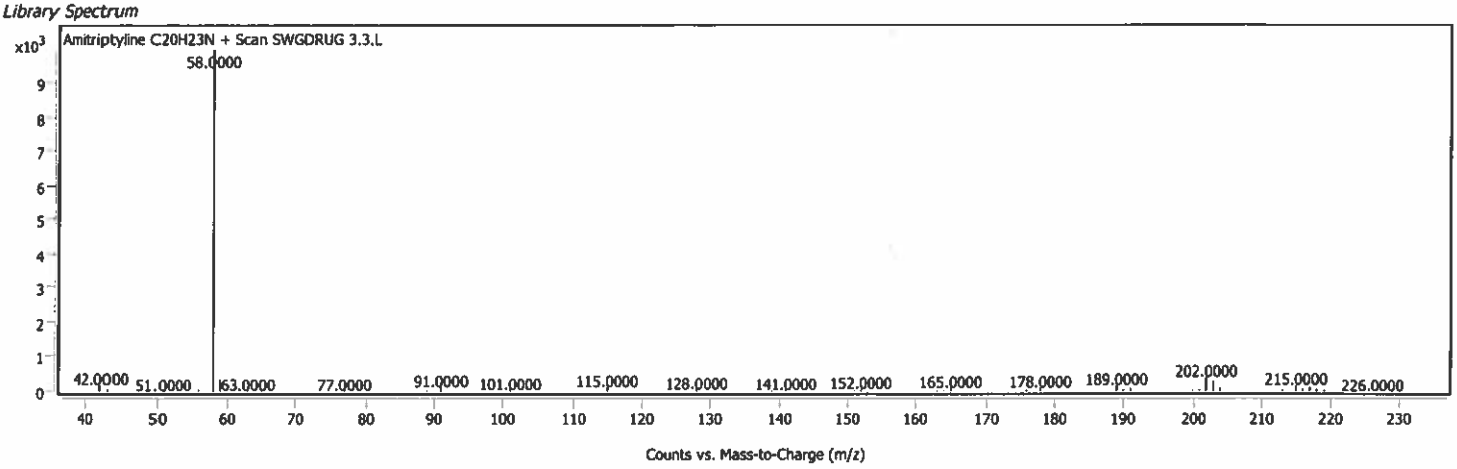
Observed Spectrum



Mirror Plot



Library Spectrum



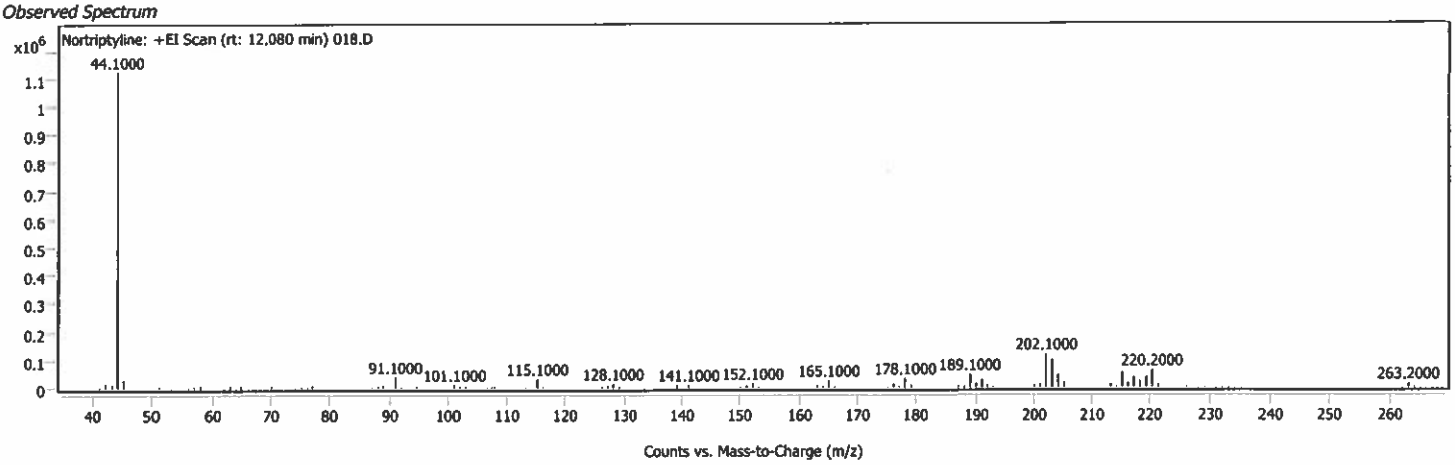
Analysis Report

Agilent

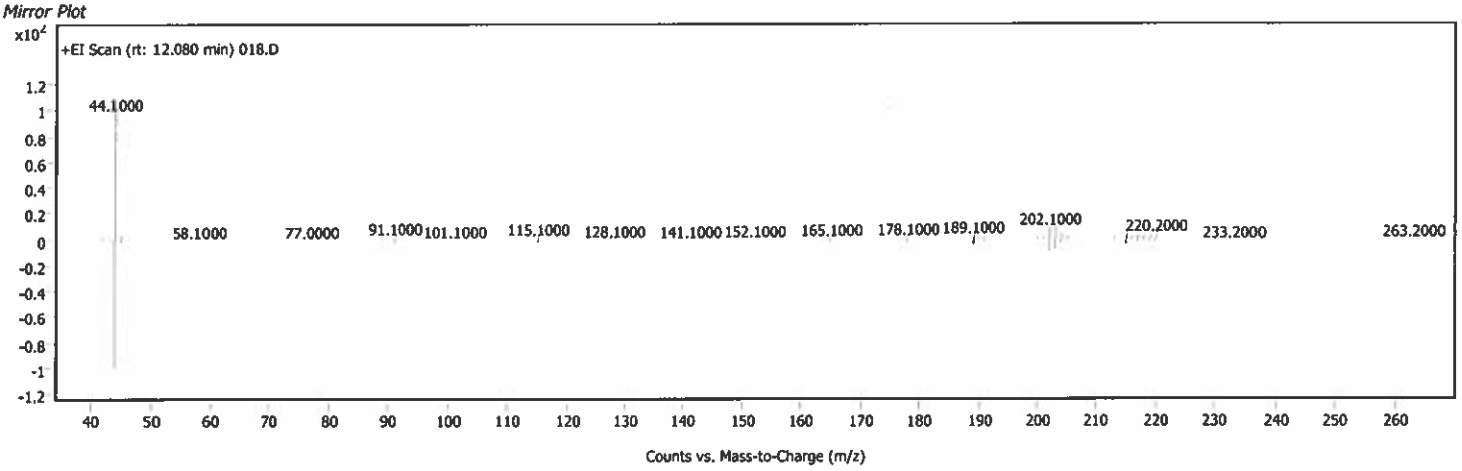
+ Scan (rt: 12.080 min) **Nortriptyline; C19H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Nortriptyline	C19H21N	97.77	SWGDRUG 3.3.L	MATRIX 2 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

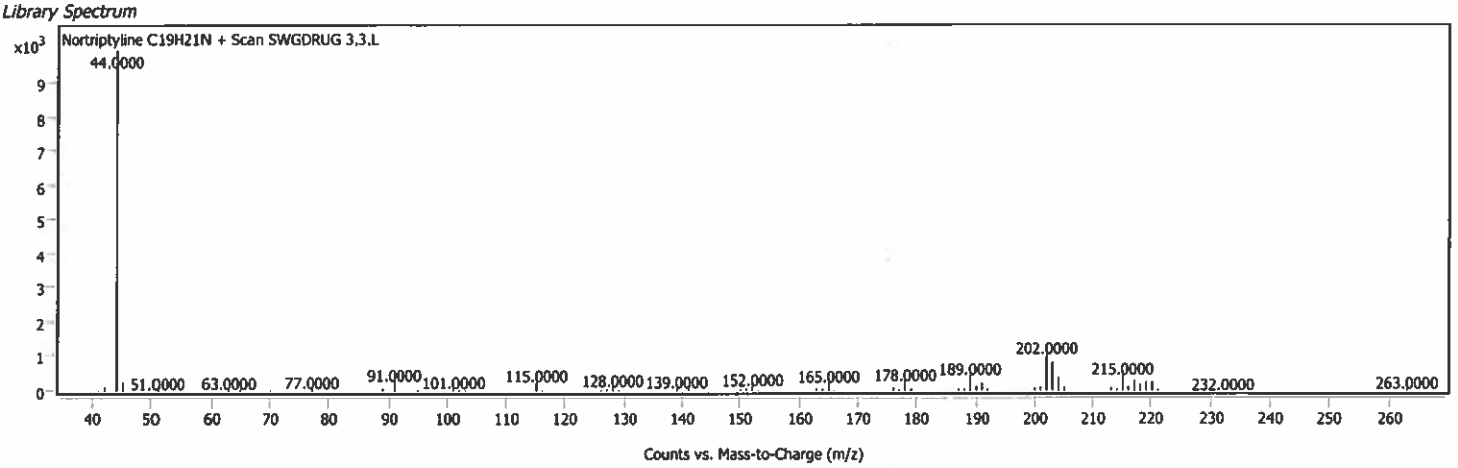
Observed Spectrum



Mirror Plot



Library Spectrum



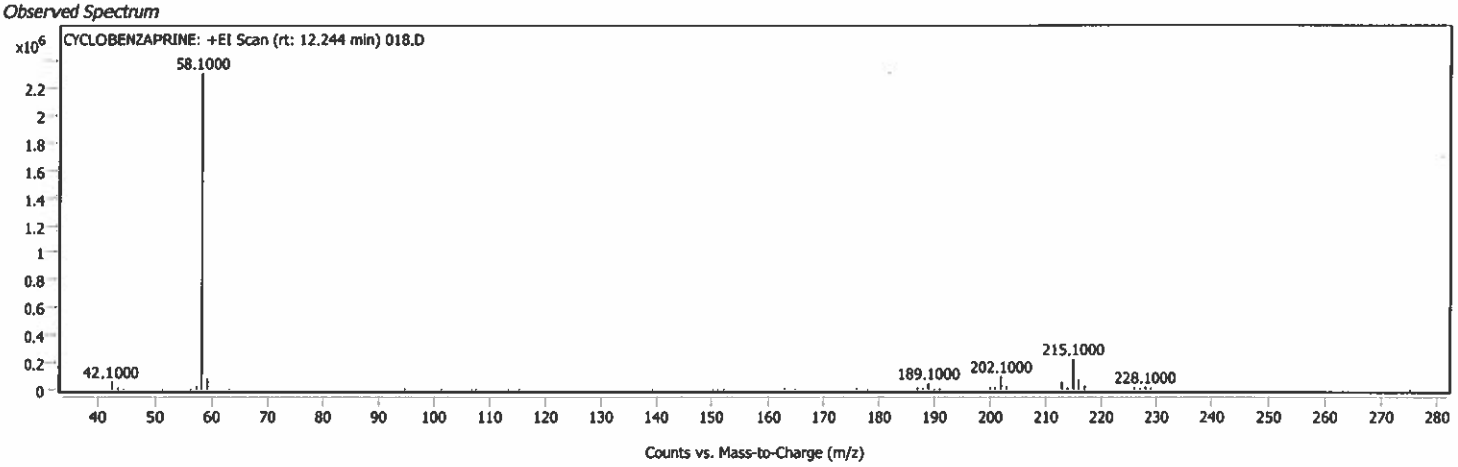
Analysis Report

Agilent

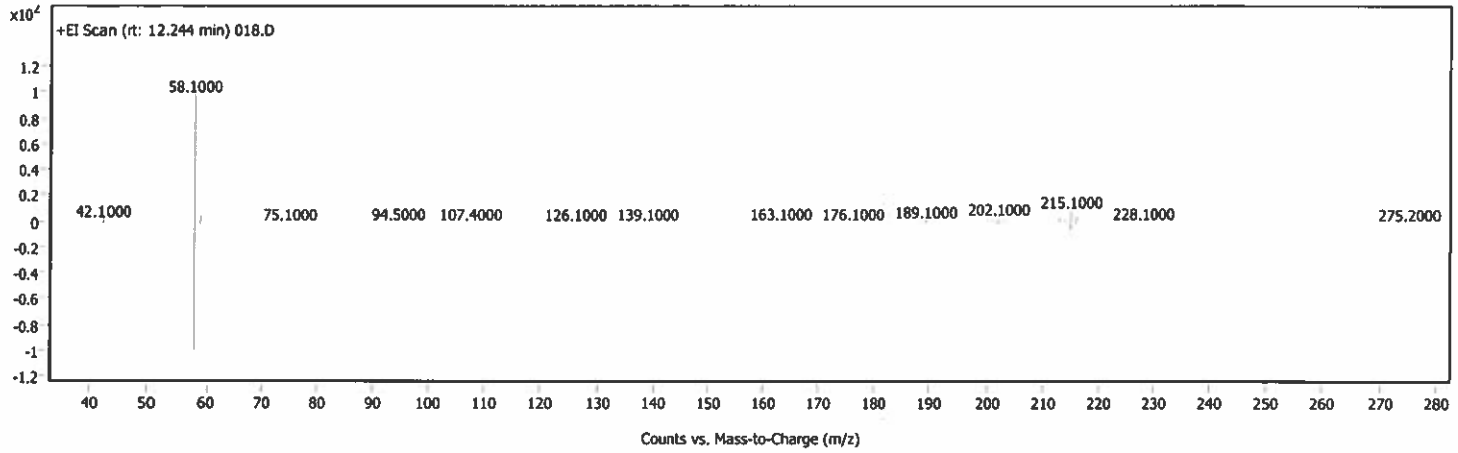
+ Scan (rt: 12.244 min) **CYCLOBENZAPRINE; C20H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CYCLOBENZAPRINE	C20H21N	96.83	aafs.l	MATRIX 2 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

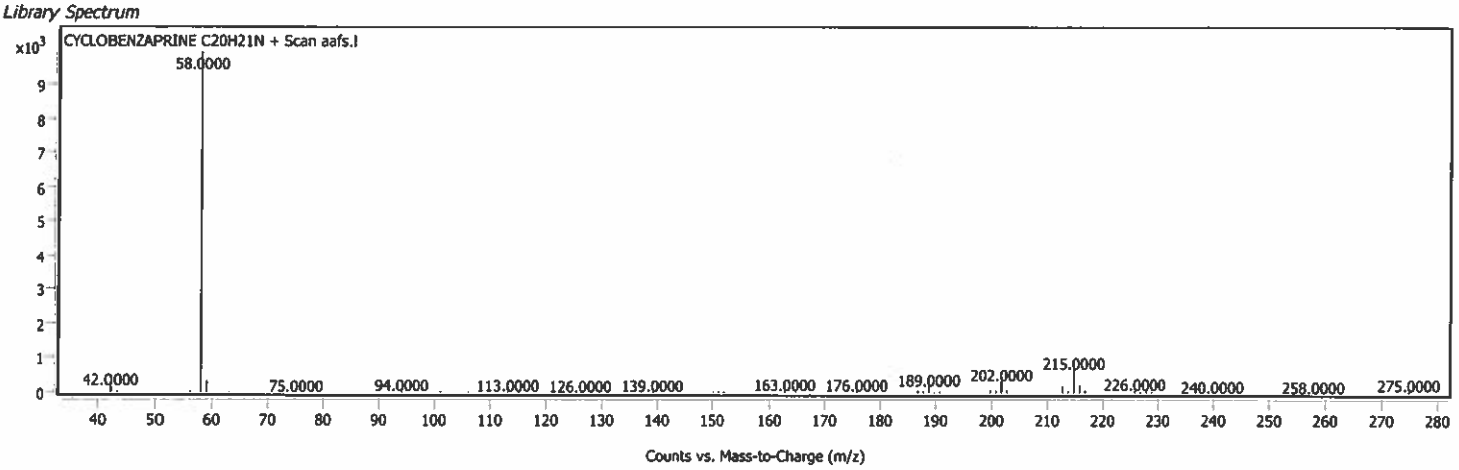
Observed Spectrum



Mirror Plot



Library Spectrum



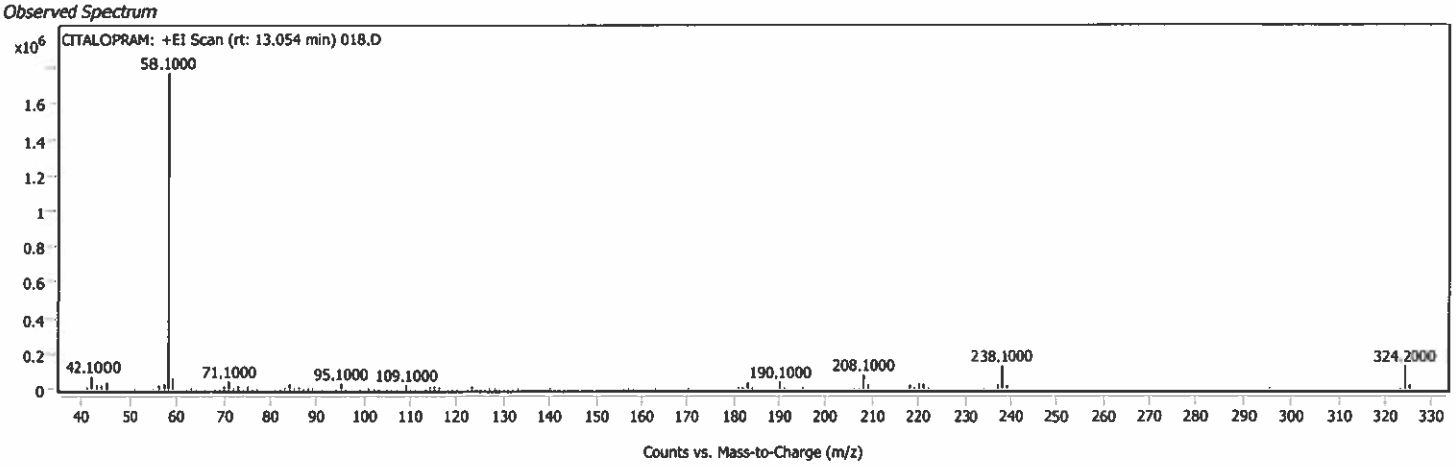
Analysis Report

Agilent

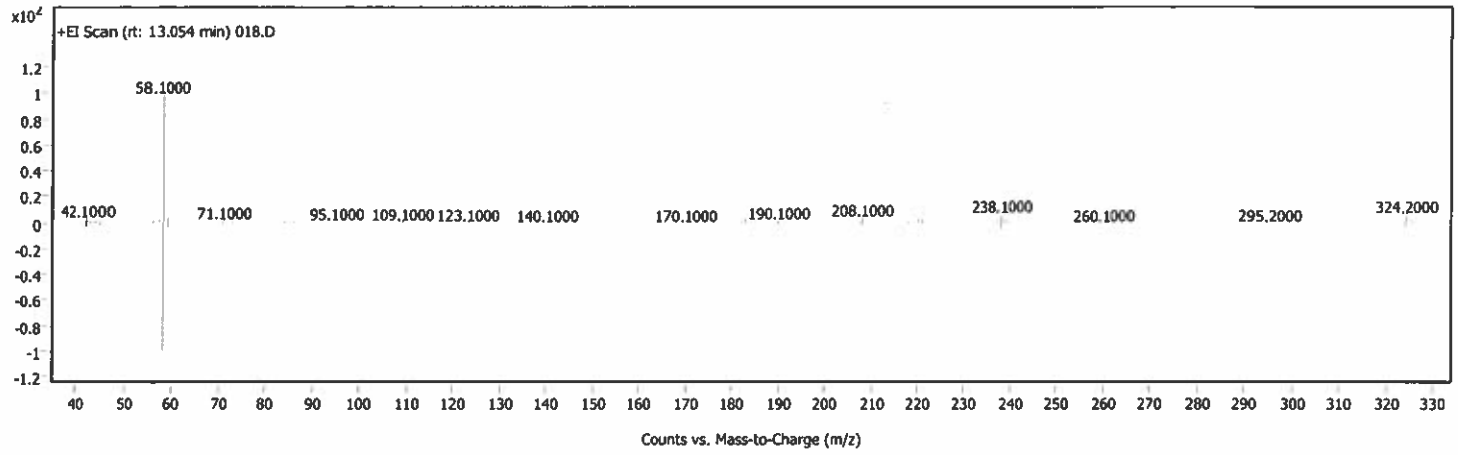
+ Scan (rt: 13.054 min) **CITALOPRAM; C20H21FN2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CITALOPRAM	C20H21FN2O	96.09	aafs.l	MATRIX 2 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

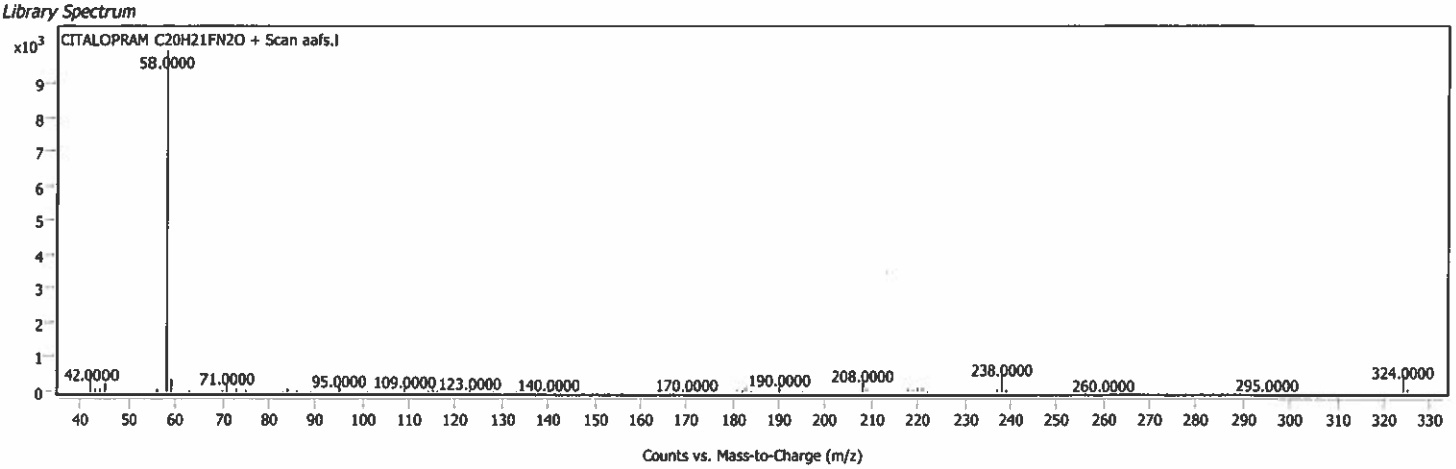
Observed Spectrum



Mirror Plot



Library Spectrum



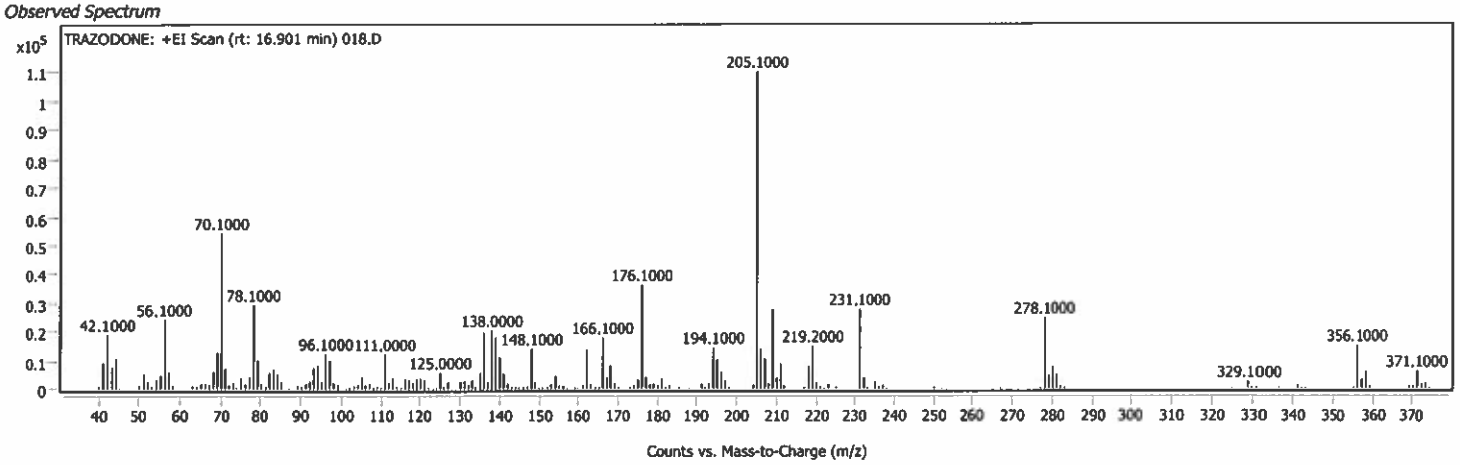
Analysis Report

Agilent

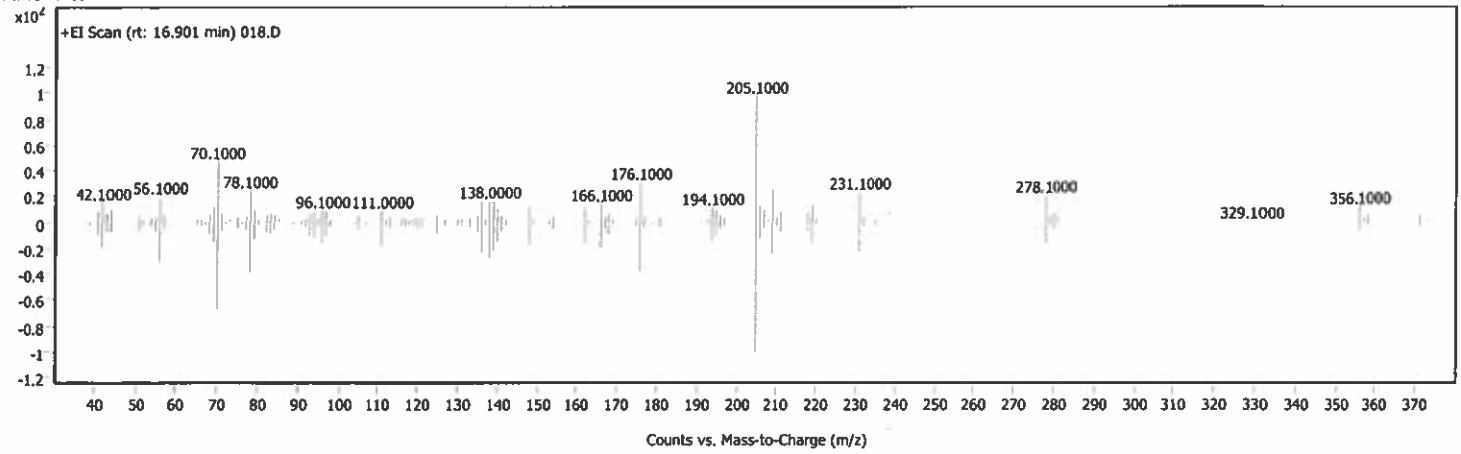
+ Scan (rt: 16.901 min) **TRAZODONE**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
TRAZODONE		95.19	aafs.l	MATRIX 2 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

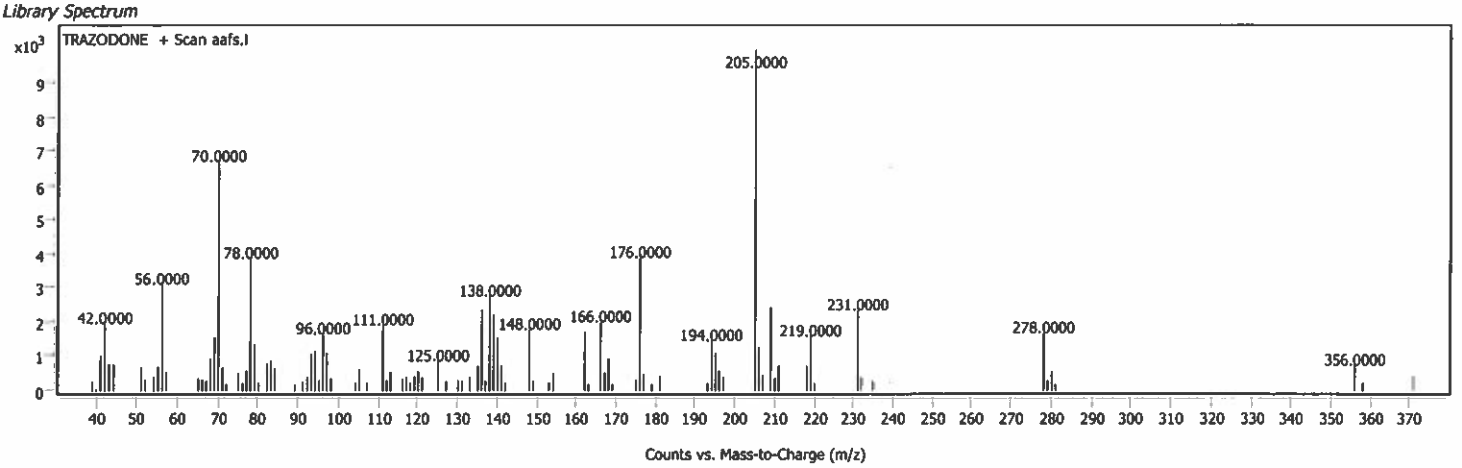
Observed Spectrum



Mirror Plot

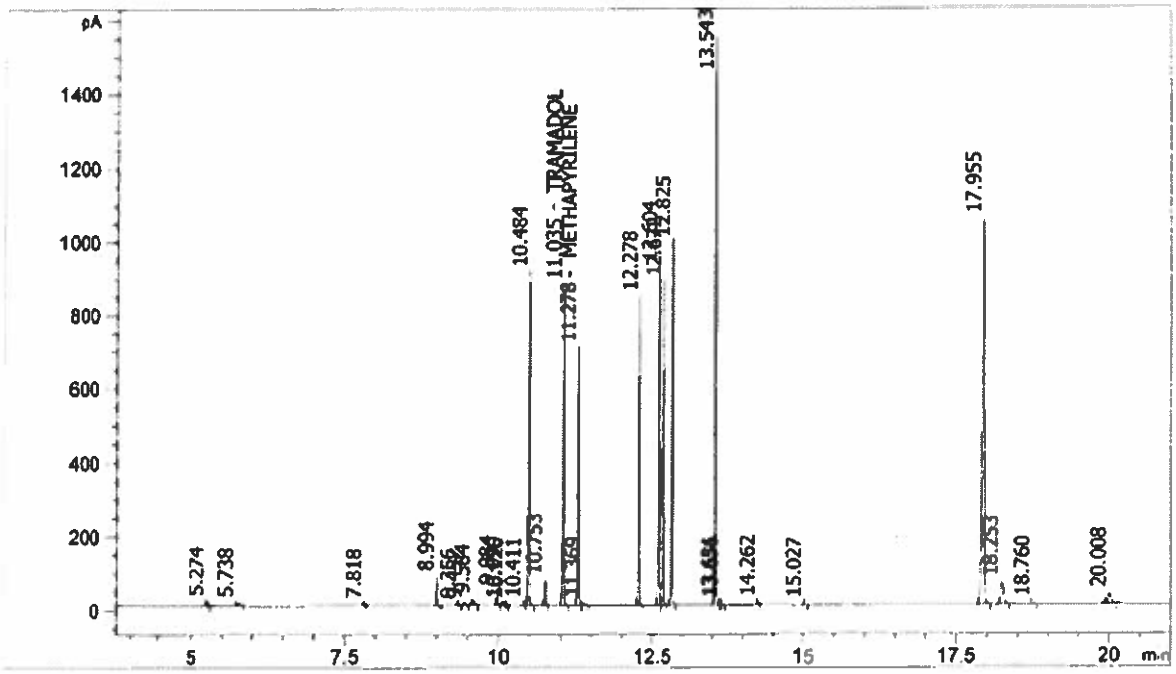


Library Spectrum



Injection Date: 9/28/2021 9:03:11 PM Seq Line: 19
Sample Name: MATRIX 2 W/ SW CTL - -> Vial 20
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.035	11.033	1079.018	871.382	0.000000	TRAMADOL RRT - 0.9785
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
11.278	11.278	799.039	694.321	1.000000	METHAPYRILENE

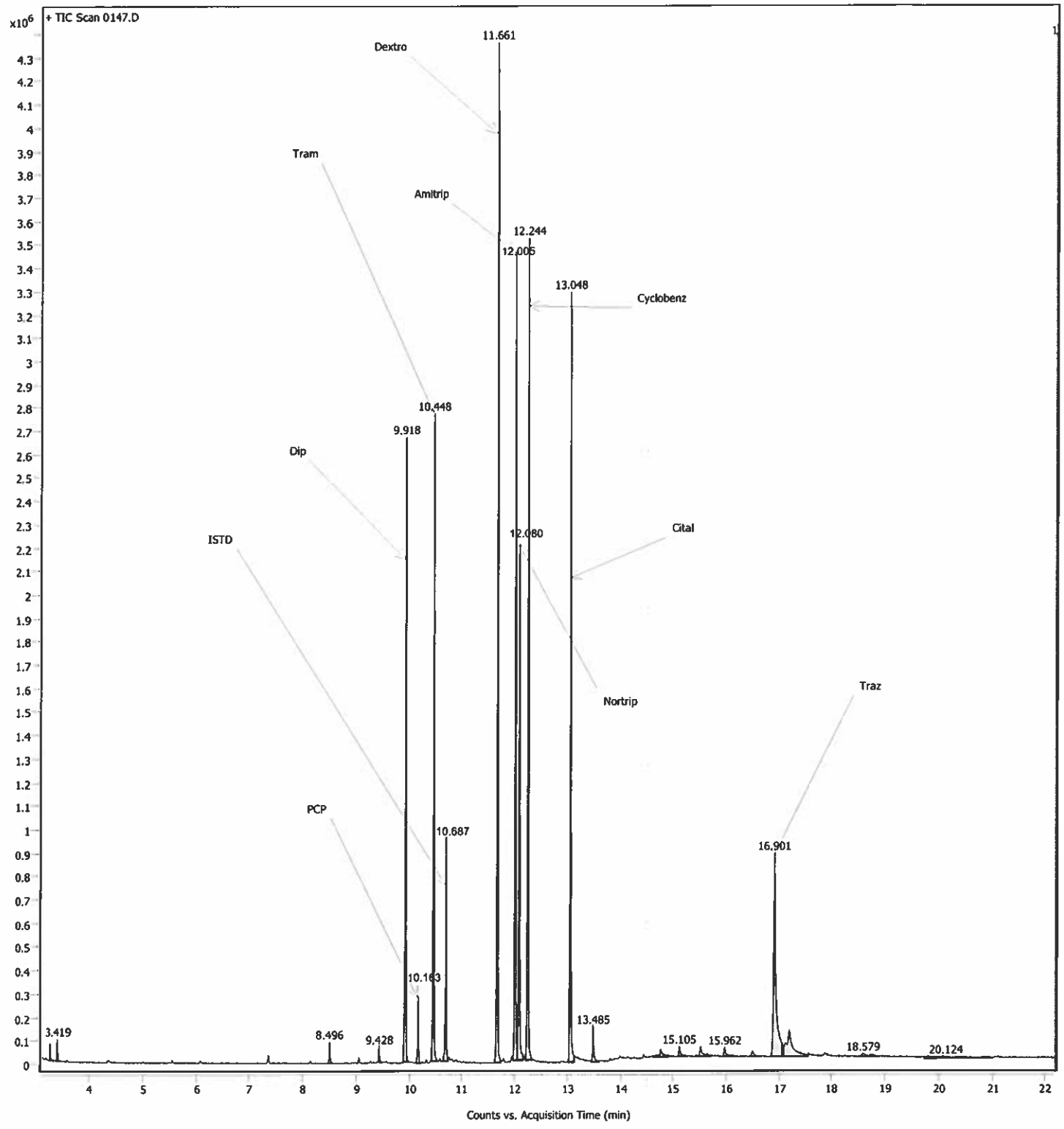
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 W/ SW CTL - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\0147.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 8:33:54 PM (UTC-04:00)
Position	43	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

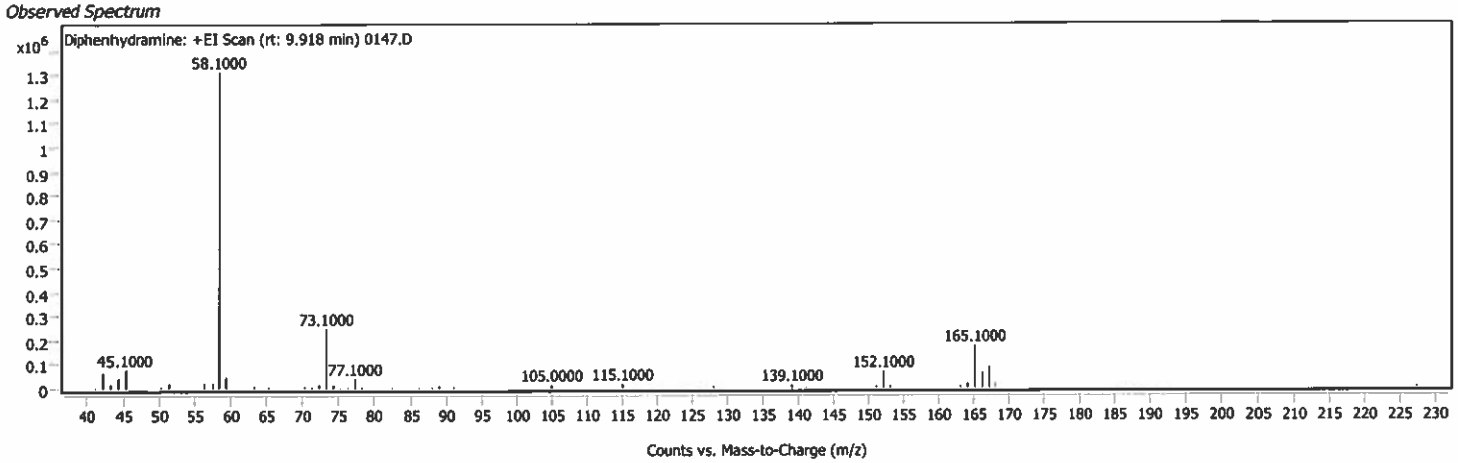
Agilent

Sample Spectra

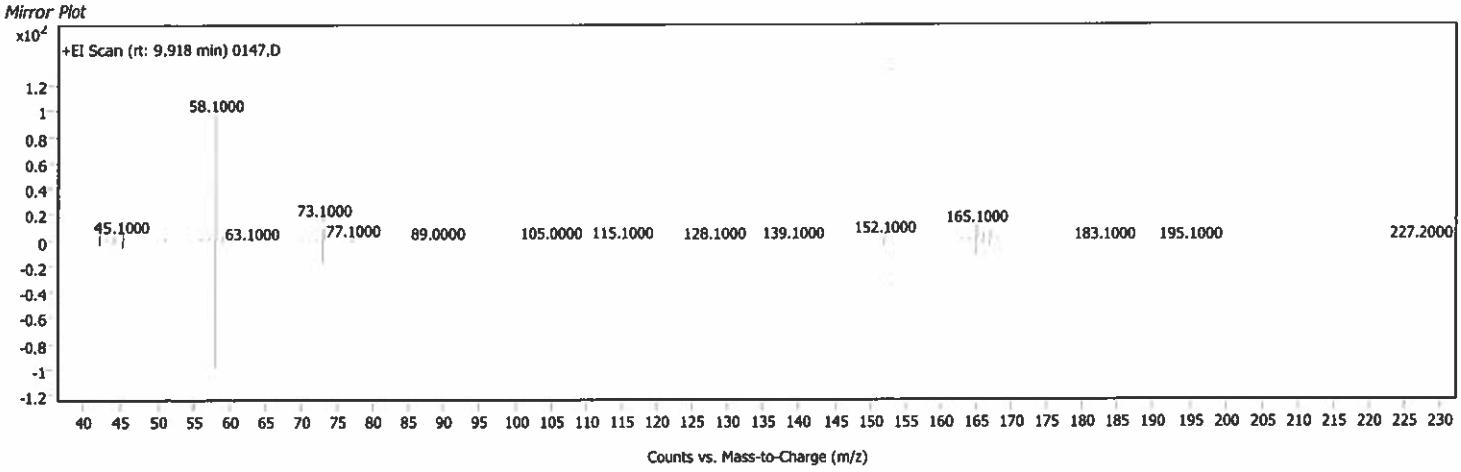
+ Scan (rt: 9.918 min) **Diphenhydramine; C17H21NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Diphenhydramine	C17H21NO	98.42	SWGDRUG 3.3.L	MATRIX 1 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

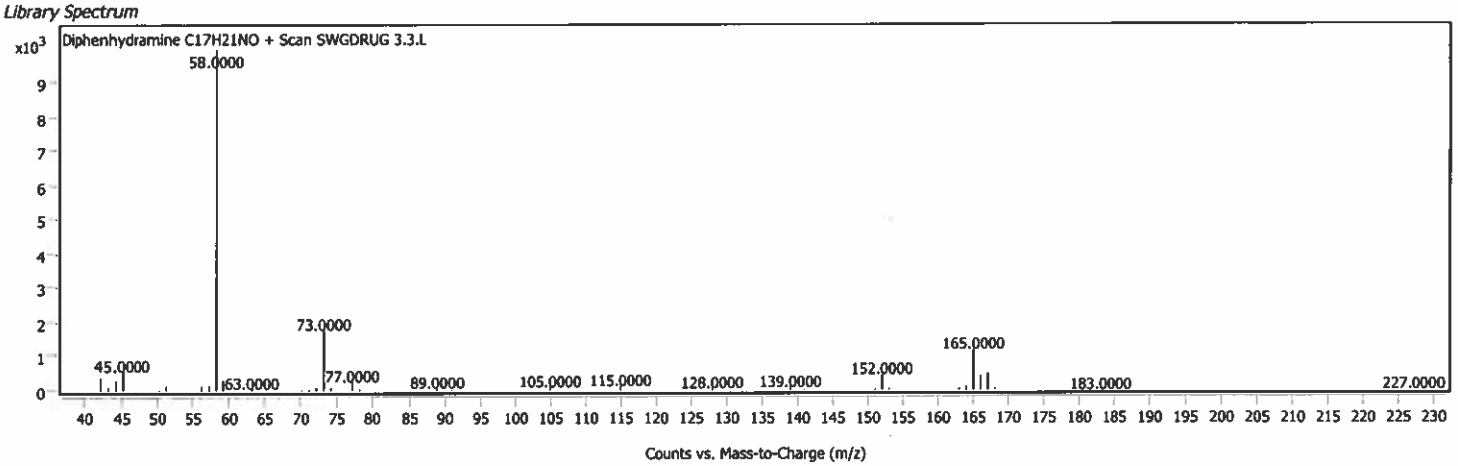
Observed Spectrum



Mirror Plot



Library Spectrum



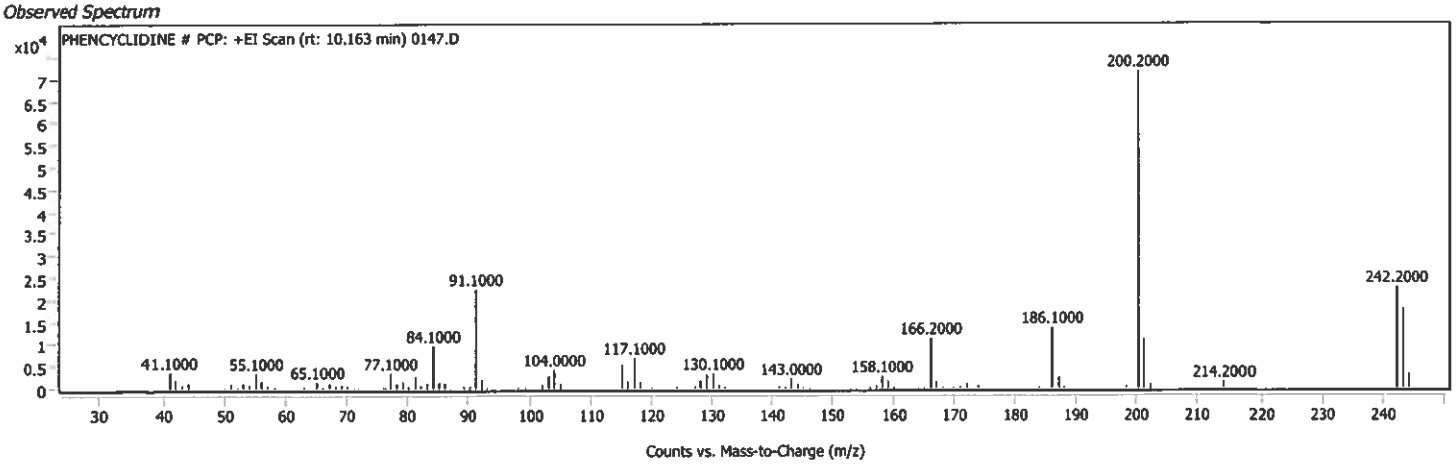
Analysis Report

Agilent

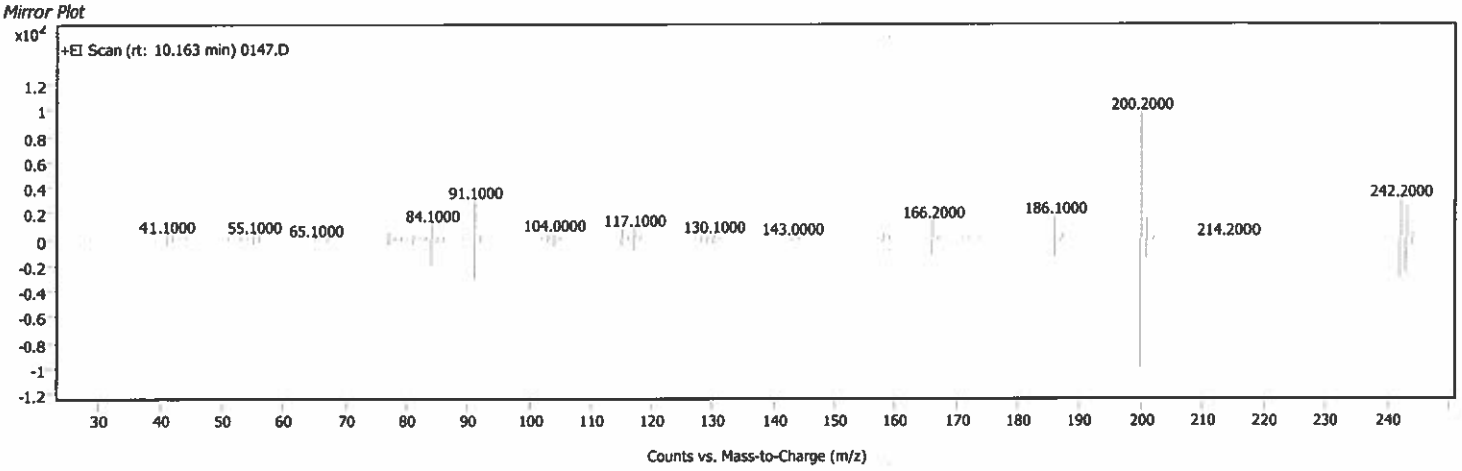
+ Scan (rt: 10.163 min) **PHENCYCLIDINE # PCP; C17H25N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
PHENCYCLIDINE # PCP	C17H25N	98.27	aafs.l	MATRIX 1 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

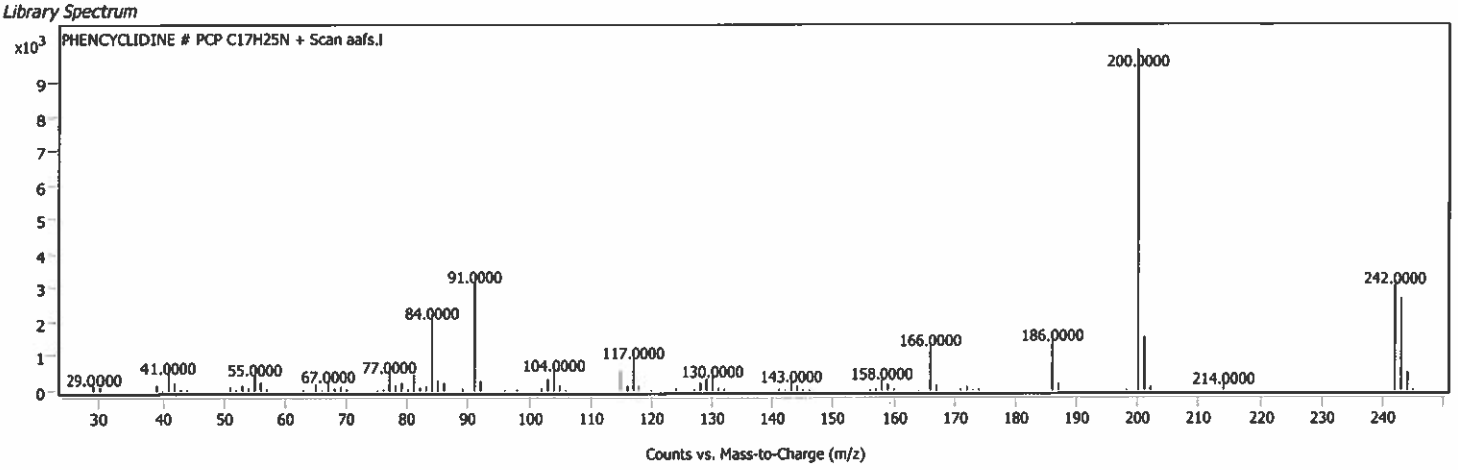
Observed Spectrum



Mirror Plot



Library Spectrum



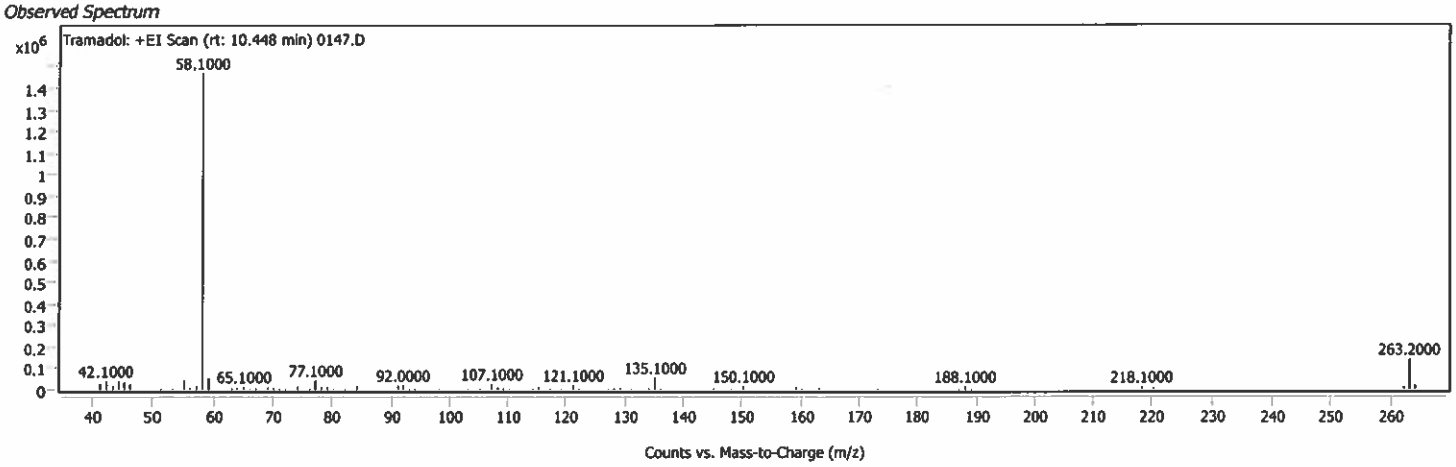
Analysis Report

Agilent

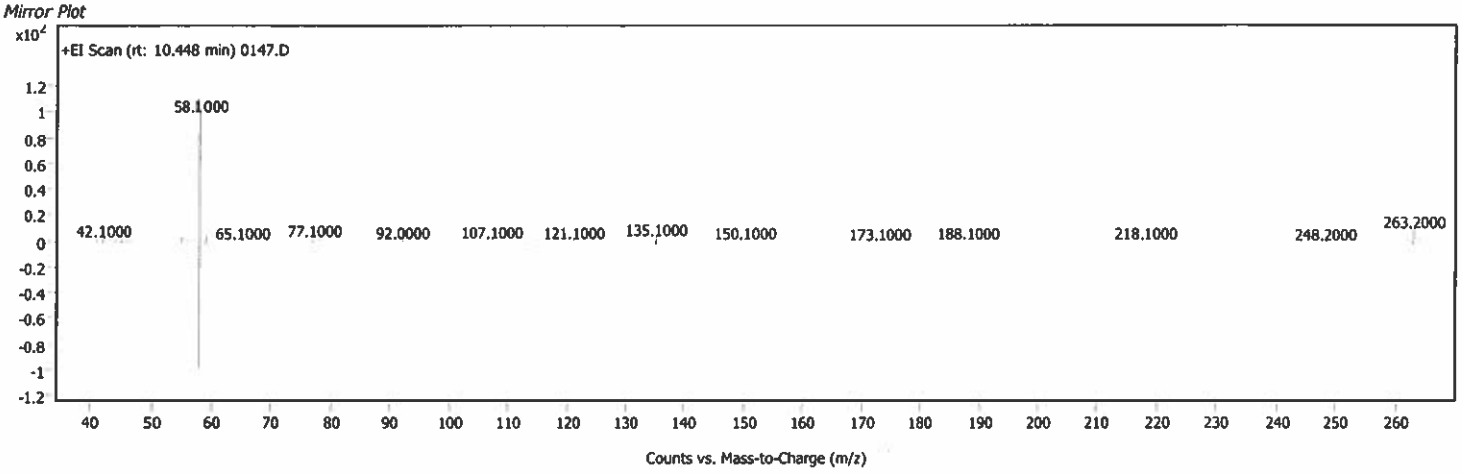
+ Scan (rt: 10.448 min) **Tramadol; C16H25NO2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Tramadol	C16H25NO2	95.46	SWGDRUG 3.3.L	MATRIX 1 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

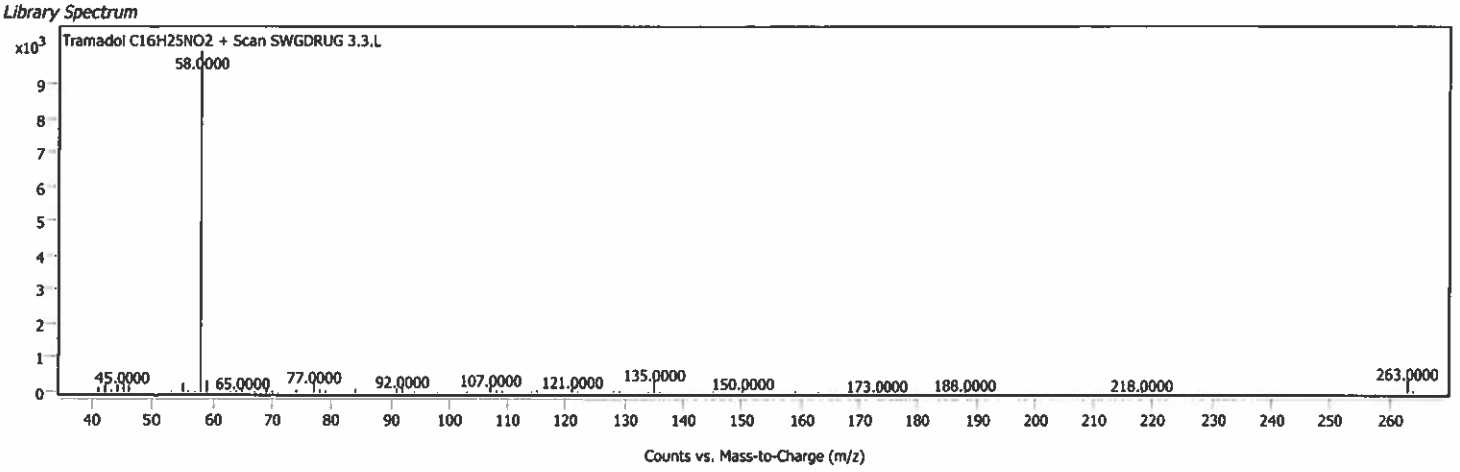
Observed Spectrum



Mirror Plot



Library Spectrum



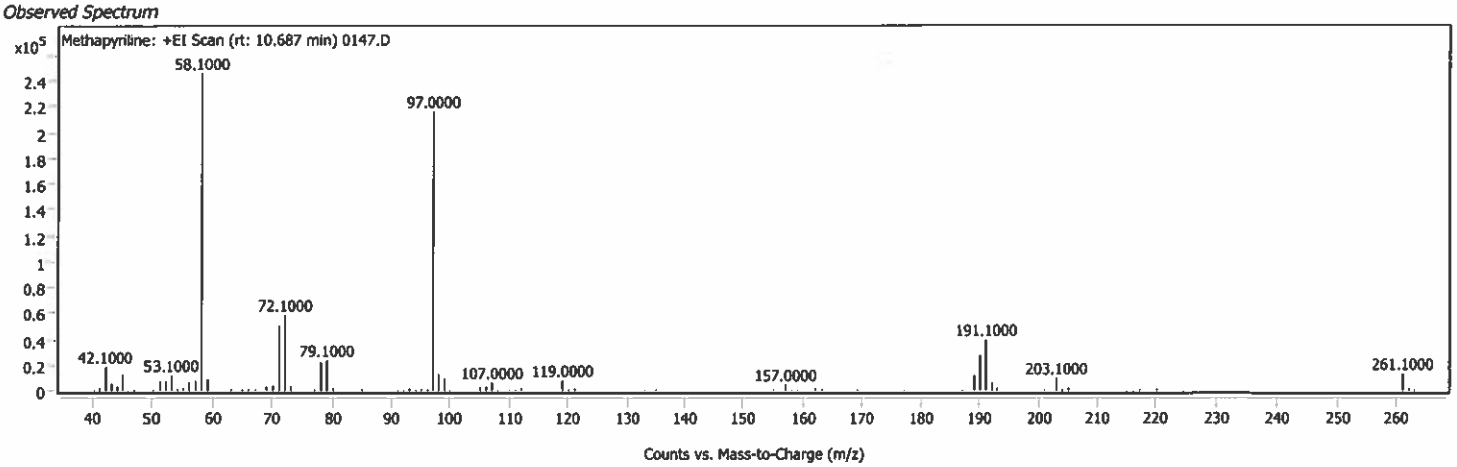
Analysis Report

Agilent

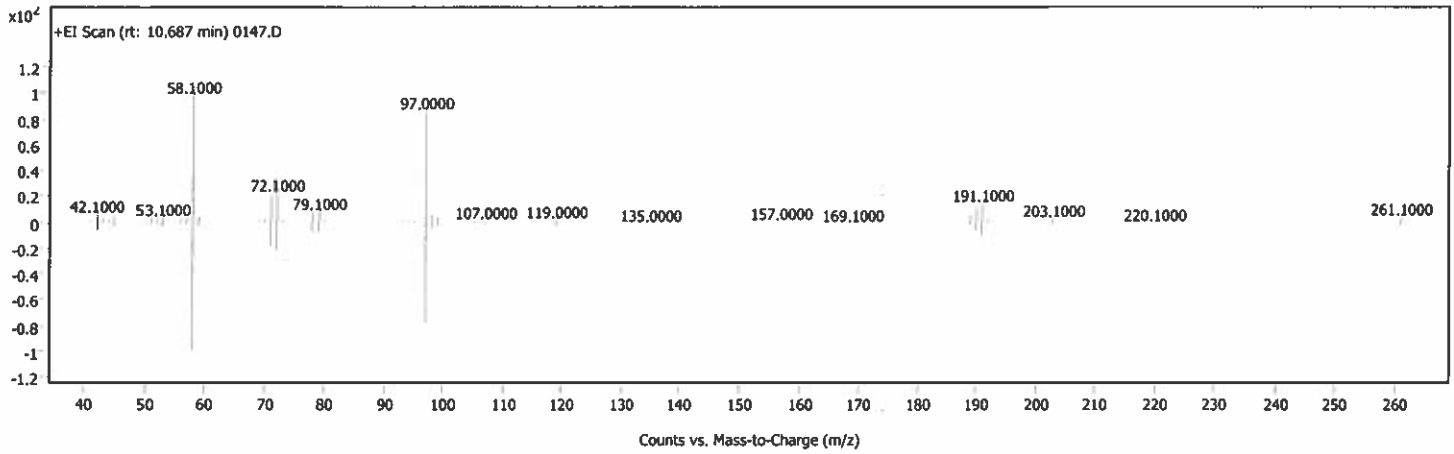
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	97.55	SWGDRUG 3.3.L	MATRIX 1 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

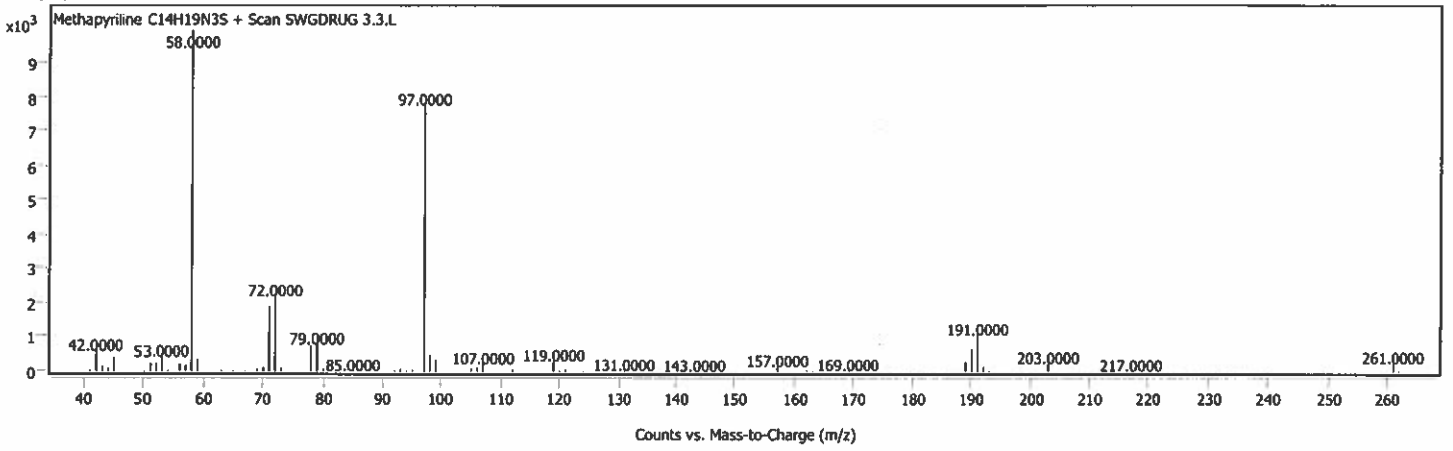
Observed Spectrum



Mirror Plot



Library Spectrum



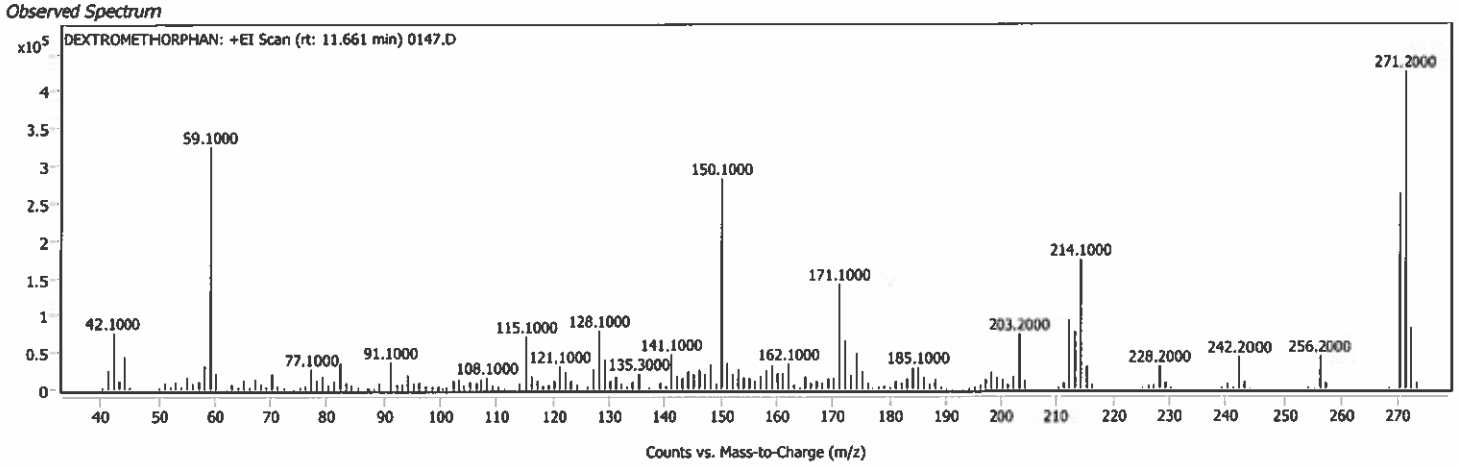
Analysis Report

Agilent

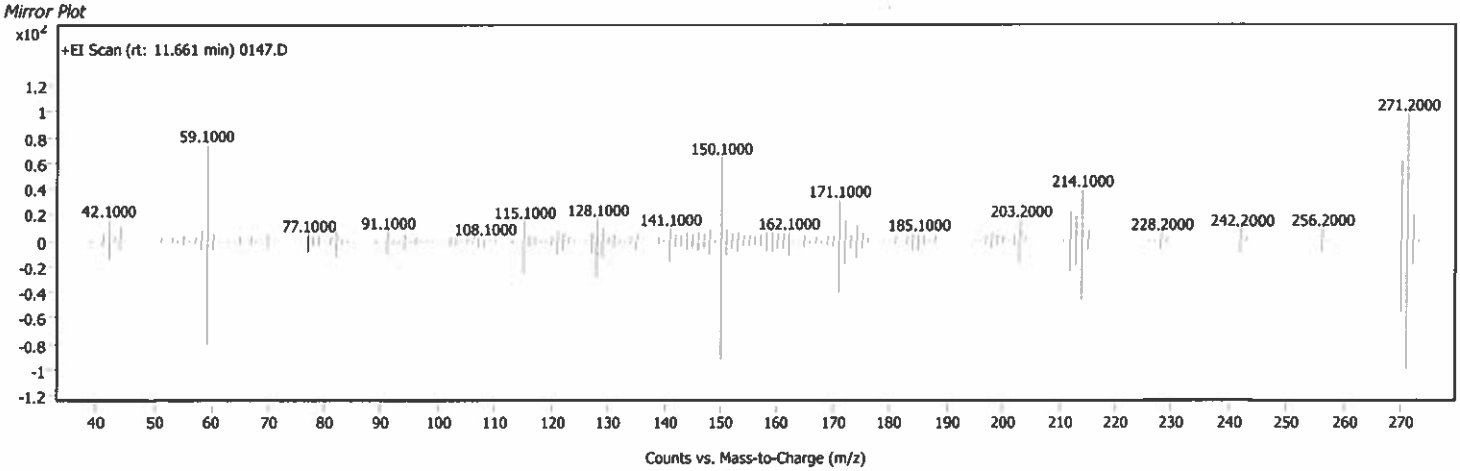
+ Scan (rt: 11.661 min) **DEXTROMETHORPHAN; C18H25NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DEXTROMETHORPHAN	C18H25NO	92.19	aafs.l	MATRIX 1 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

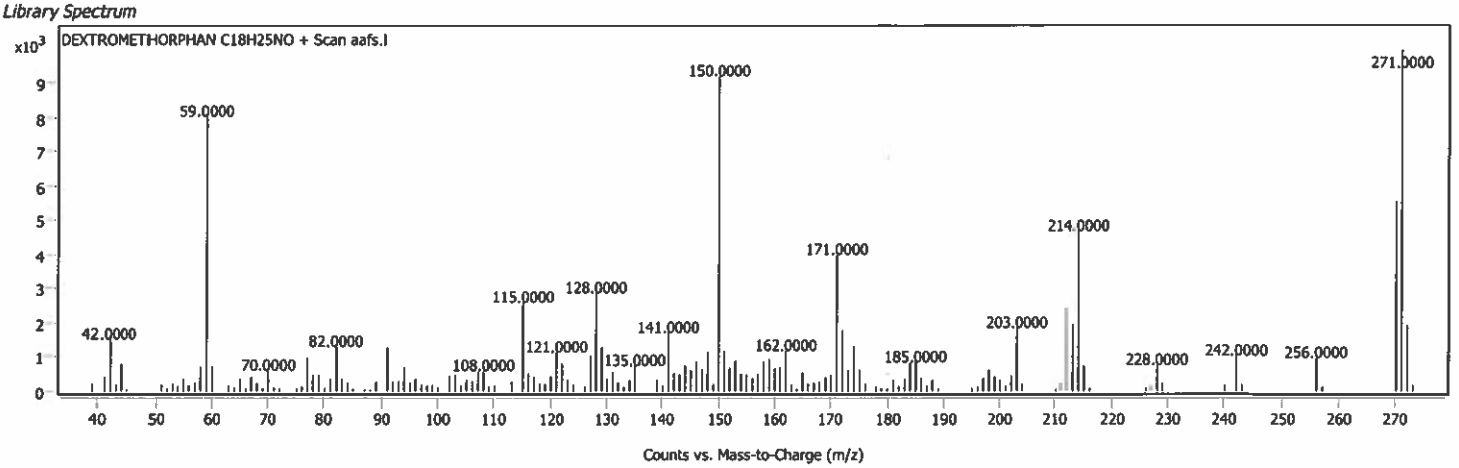
Observed Spectrum



Mirror Plot



Library Spectrum



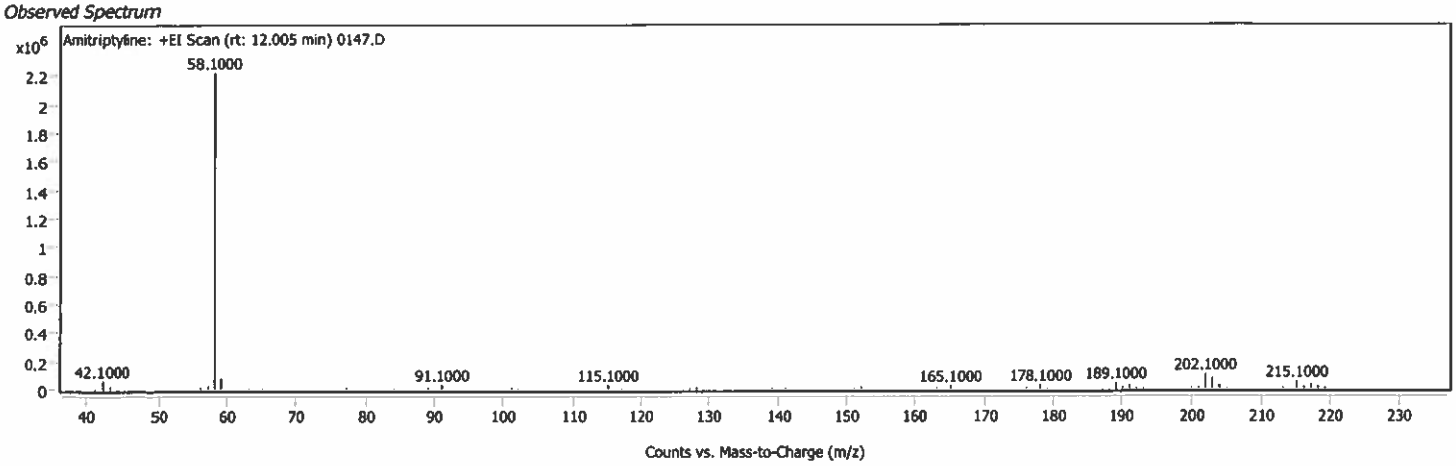
Analysis Report

Agilent

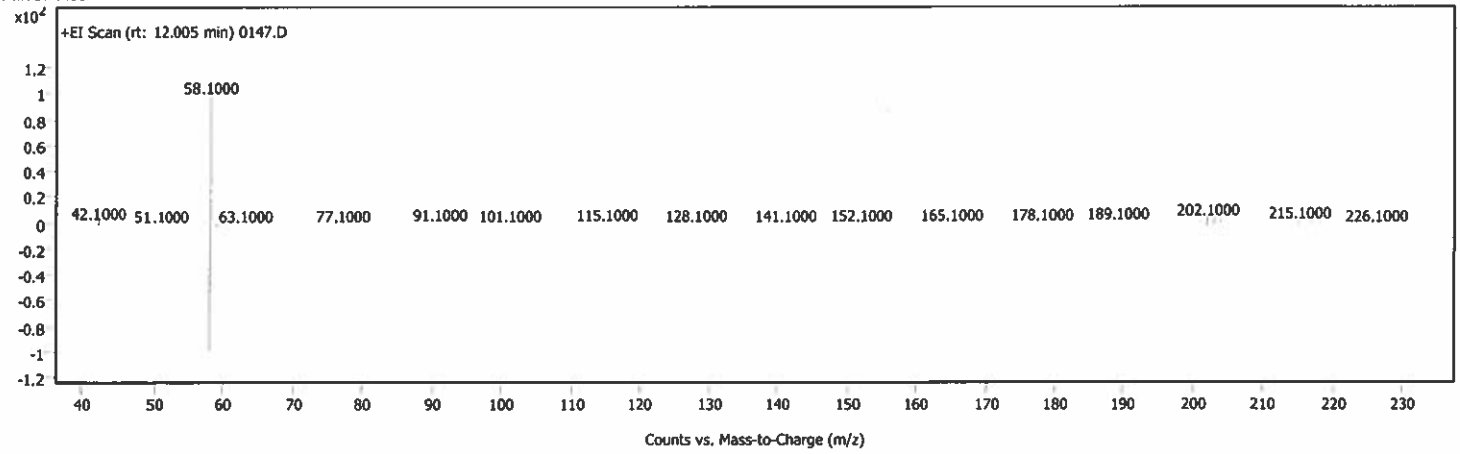
+ Scan (rt: 12.005 min) **Amitriptyline; C20H23N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Amitriptyline	C20H23N	97.96	SWGDRUG 3.3.L	MATRIX 1 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

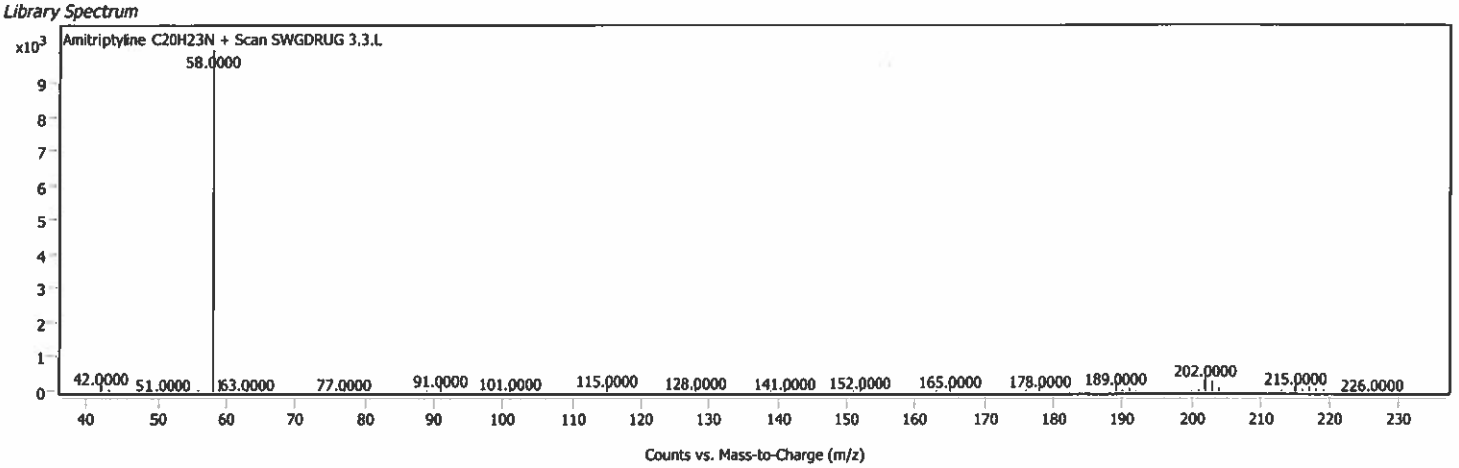
Observed Spectrum



Mirror Plot



Library Spectrum



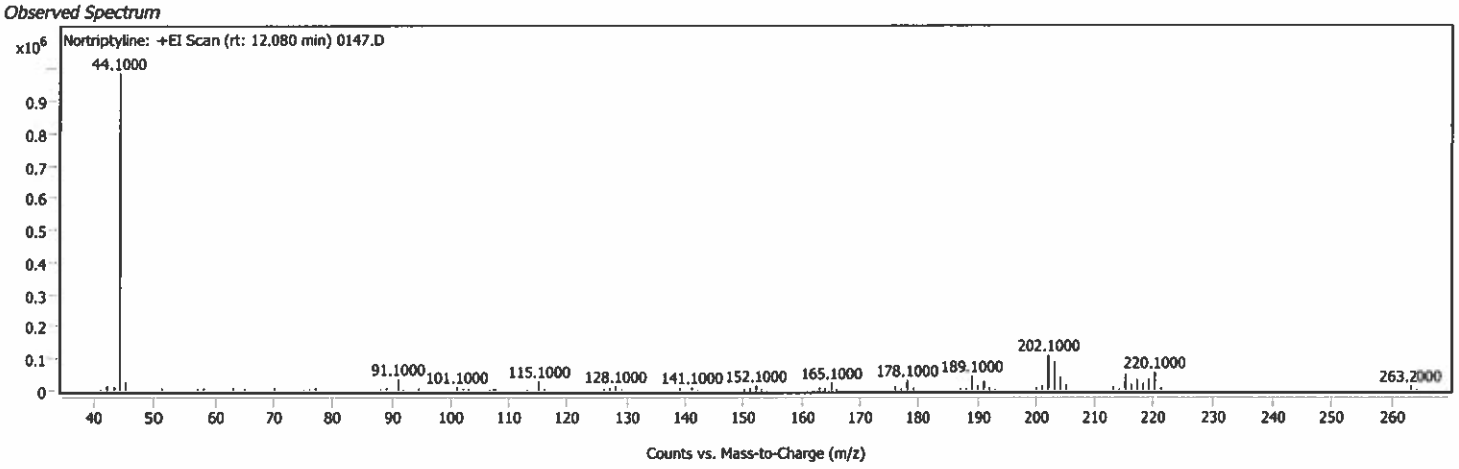
Analysis Report

Agilent

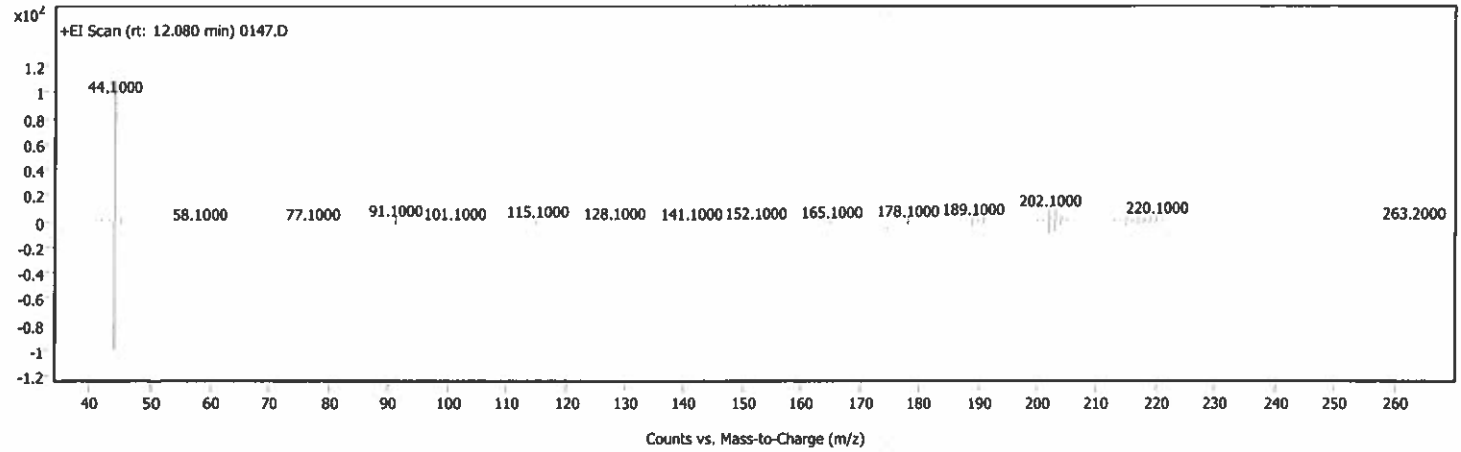
+ Scan (rt: 12.080 min) **Nortriptyline; C19H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Nortriptyline	C19H21N	97.83	SWGDRUG 3.3.L	MATRIX 1 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

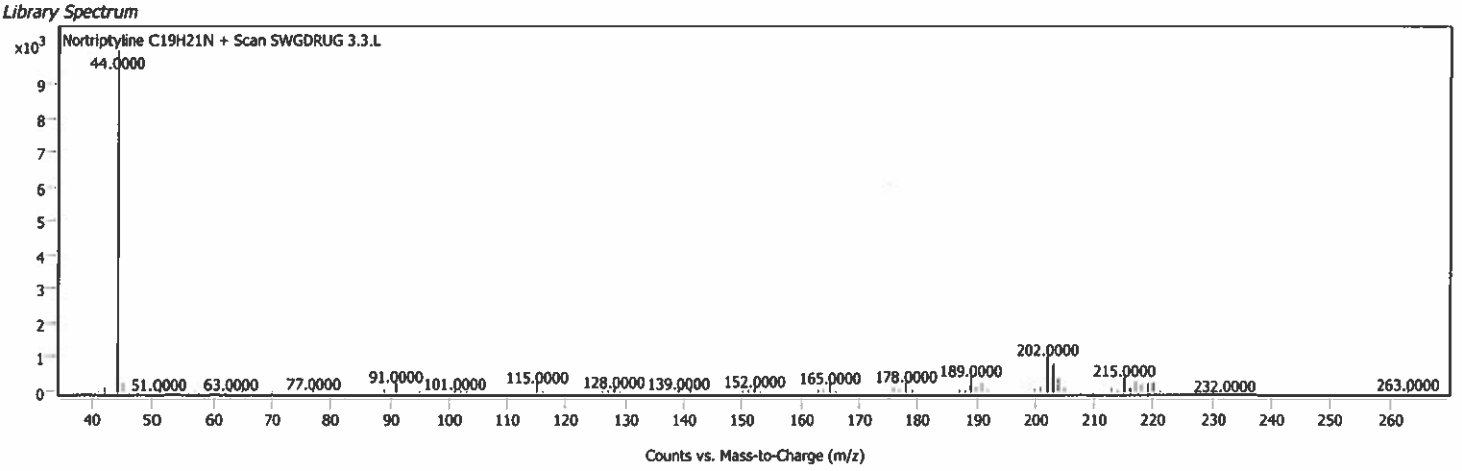
Observed Spectrum



Mirror Plot



Library Spectrum



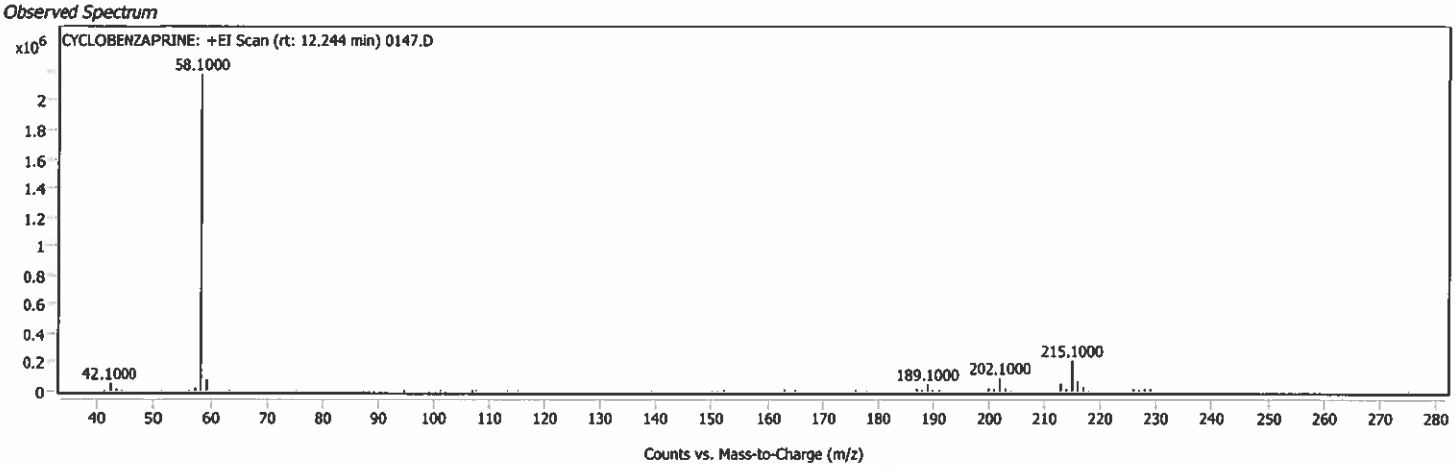
Analysis Report

Agilent

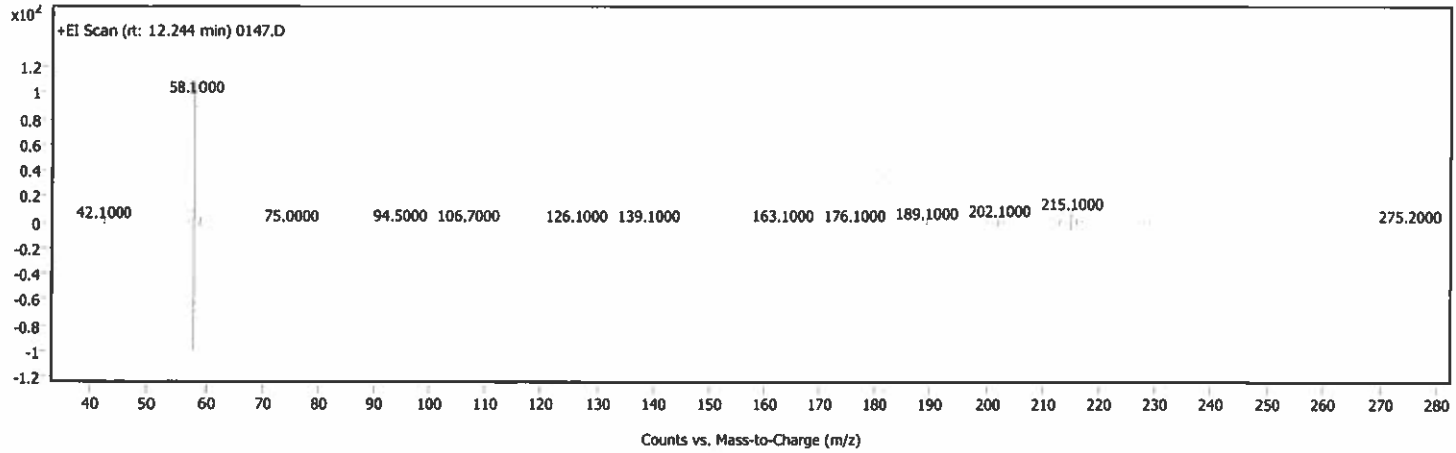
+ Scan (rt: 12.244 min) **CYCLOBENZAPRINE; C20H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CYCLOBENZAPRINE	C20H21N	96.65	aafs.l	MATRIX 1 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

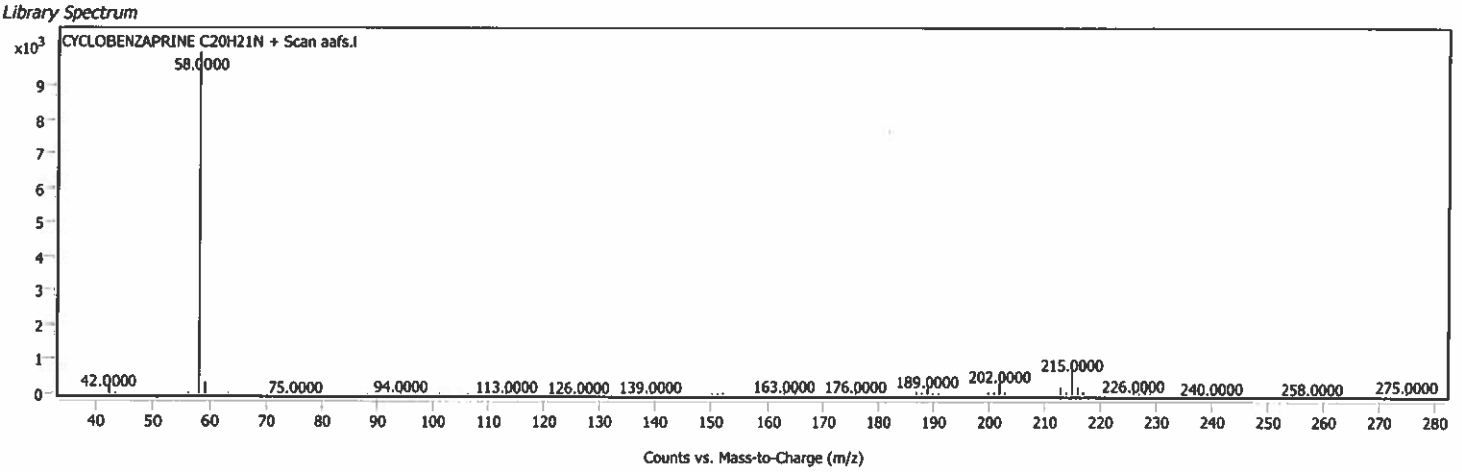
Observed Spectrum



Mirror Plot



Library Spectrum



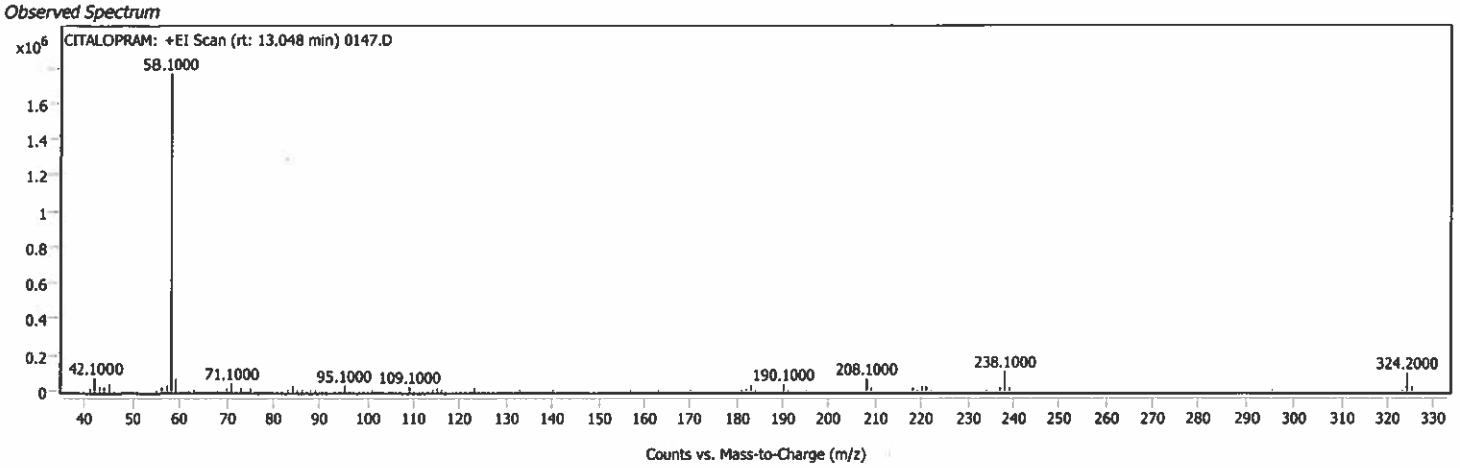
Analysis Report

Agilent

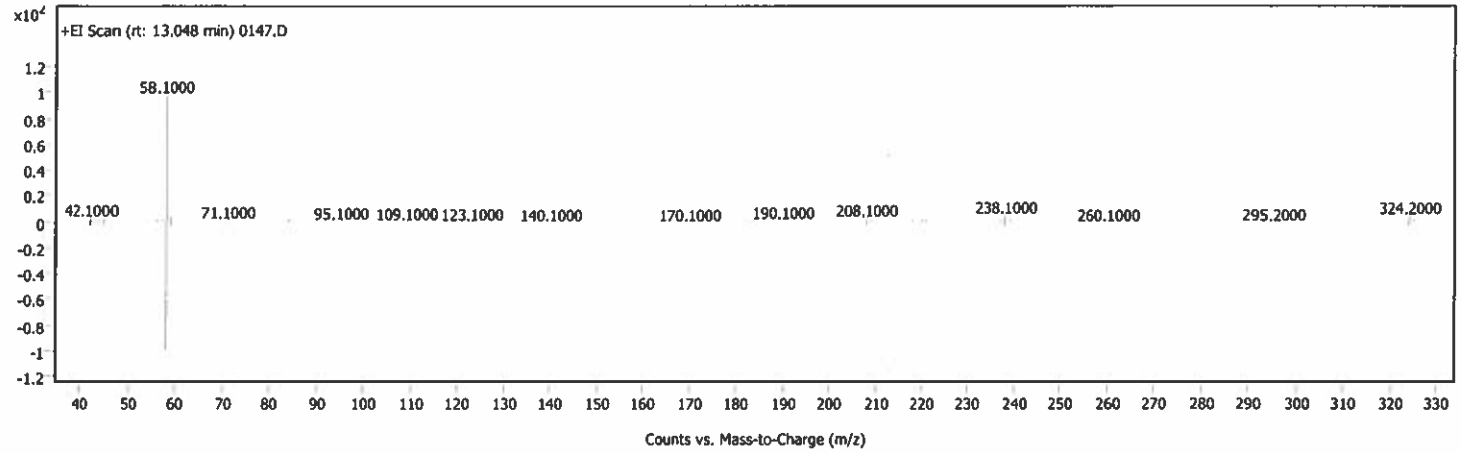
+ Scan (rt: 13.048 min) **CITALOPRAM; C20H21FN2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CITALOPRAM	C20H21FN2O	96.68	aafs.l	MATRIX 1 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

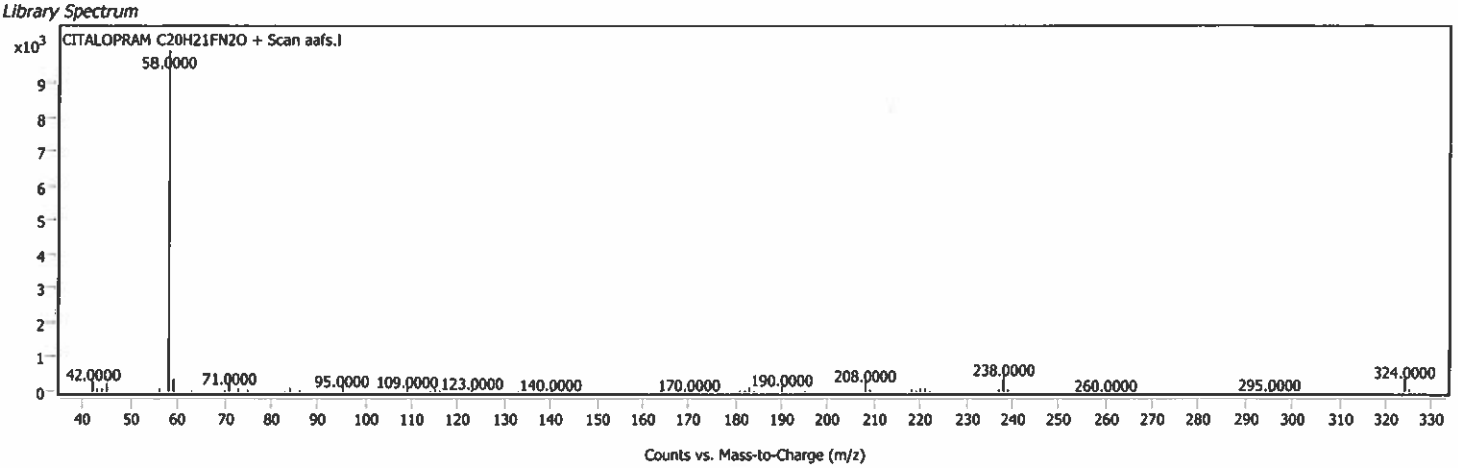
Observed Spectrum



Mirror Plot



Library Spectrum



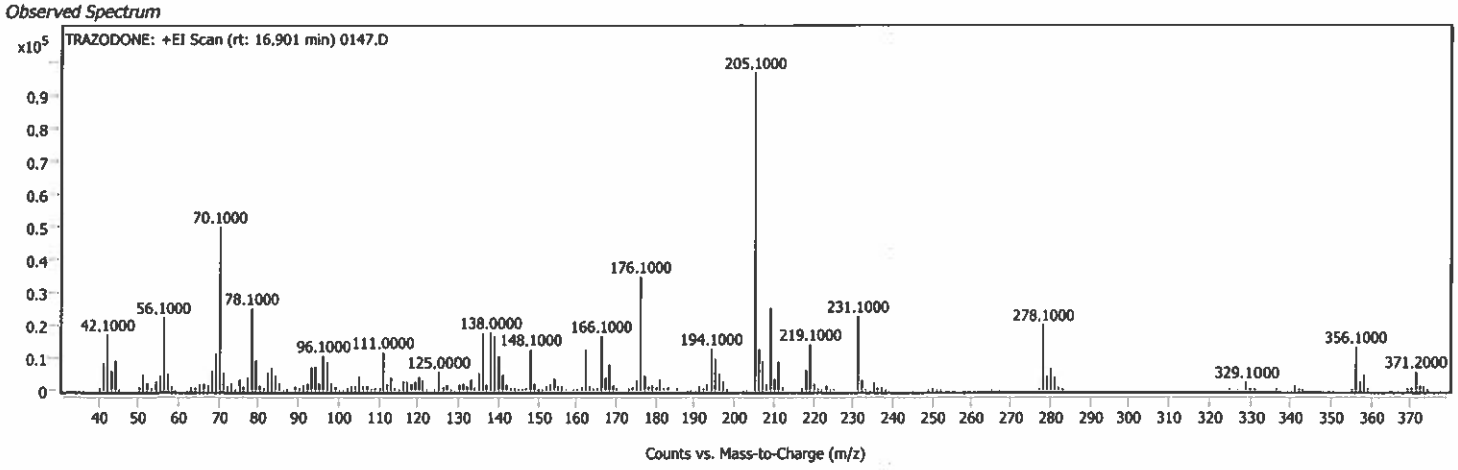
Analysis Report

Agilent

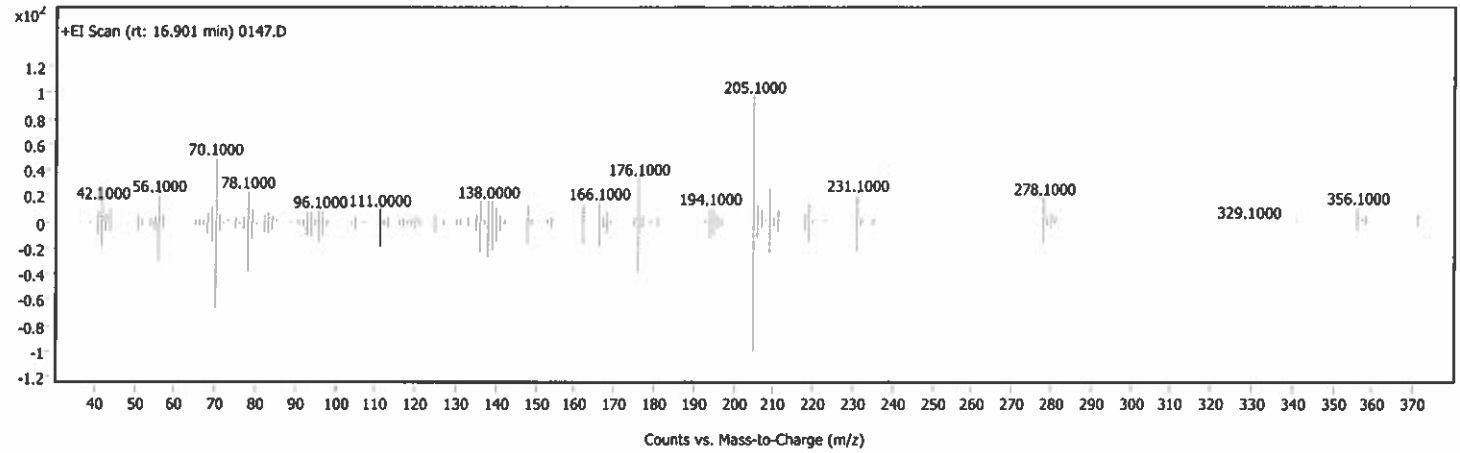
+ Scan (rt: 16.901 min) **TRAZODONE**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
TRAZODONE		95.40	aafs.l	MATRIX 1 W/ SW CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

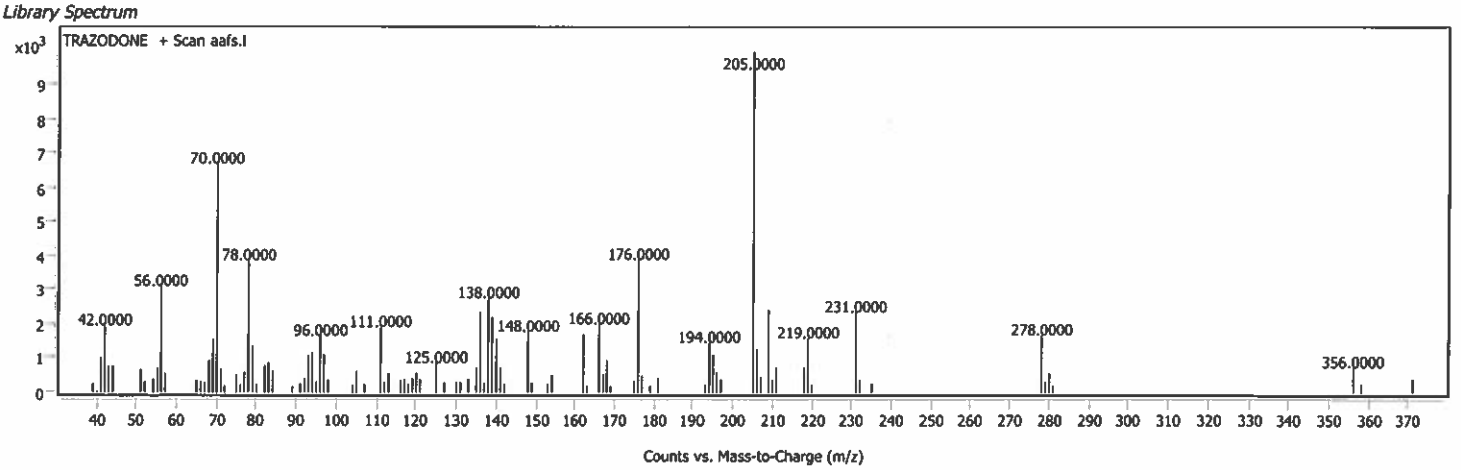
Observed Spectrum



Mirror Plot

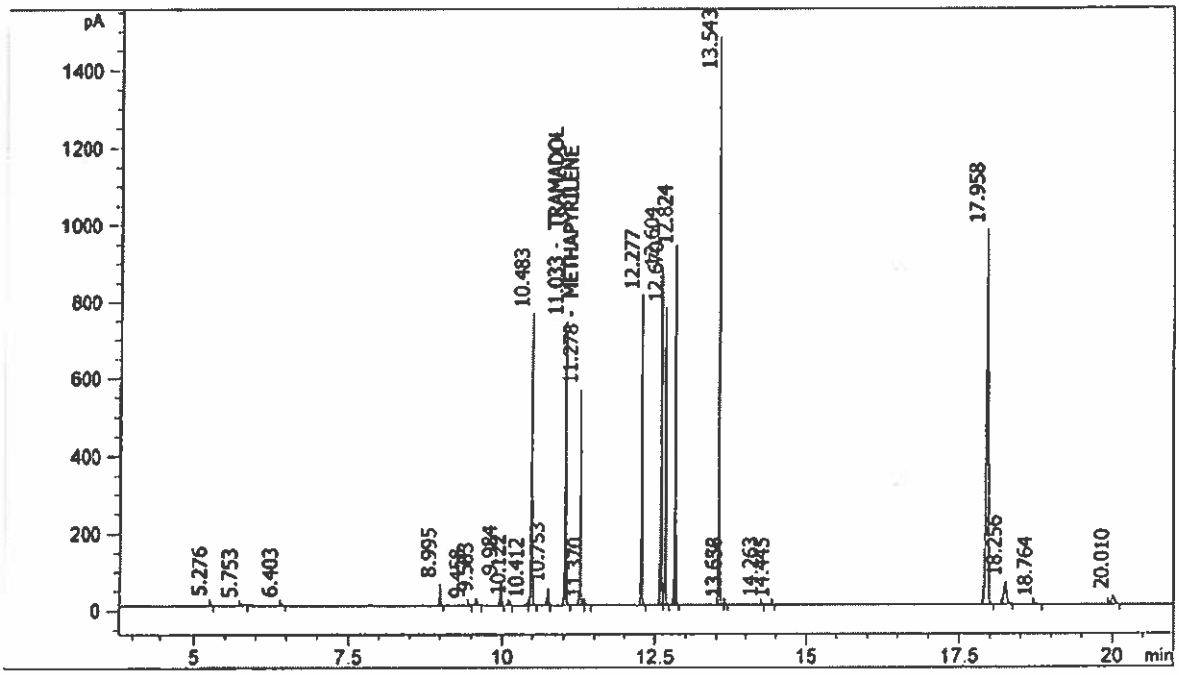


Library Spectrum



Injection Date: 9/28/2021 8:38:50 PM Seq Line: 18
Sample Name: MATRIX 1 W/ SW CTL - -> Vial 19
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.033	11.033	911.867	733.780	0.000000	TRAMADOL RRT - 0.9783
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
11.278	11.278	648.027	555.823	1.000000	METHAPYRILENE

*RT for Tramadol set from sample

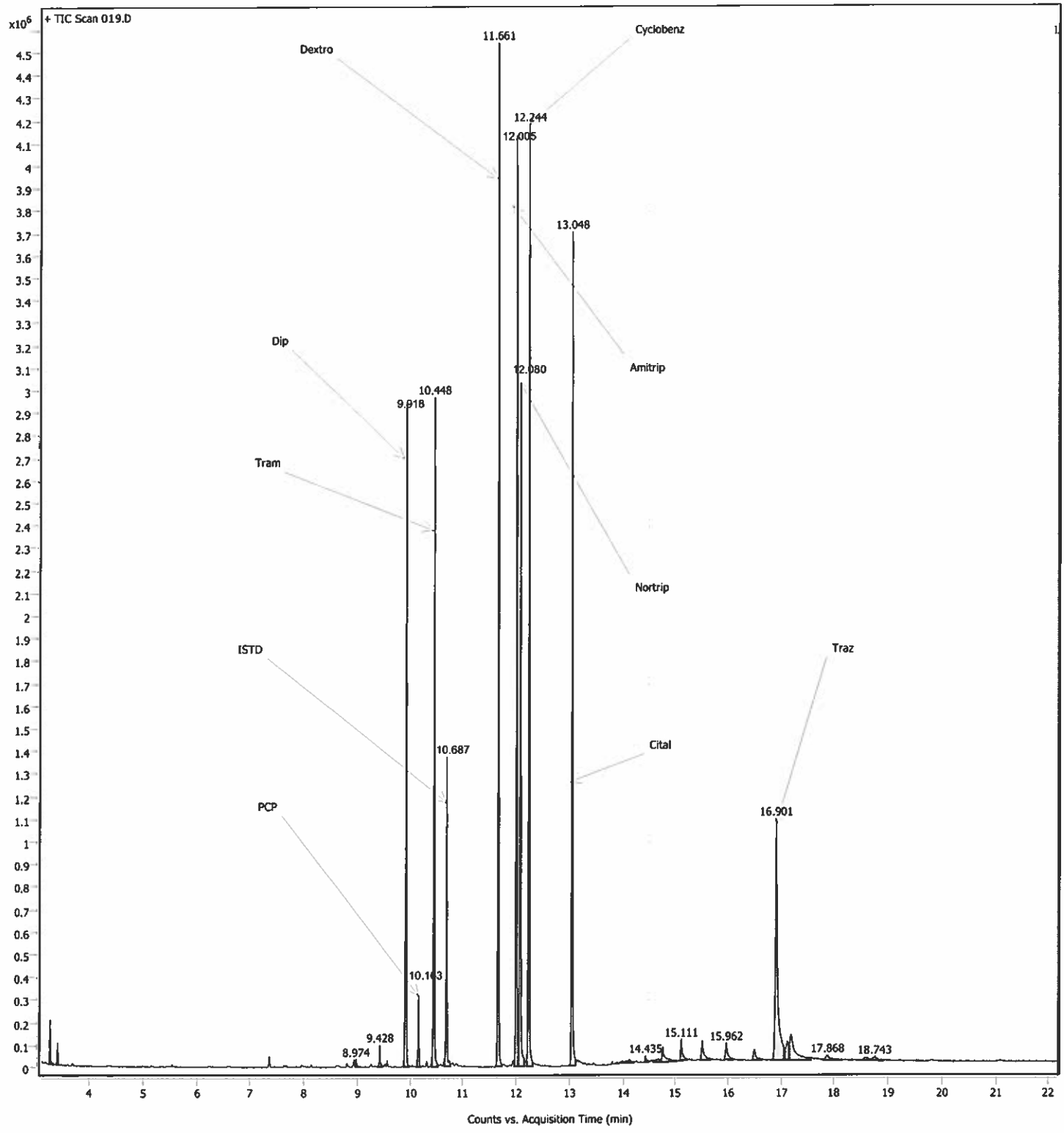
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 W/ SW CTL - URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\019.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 9:25:34 PM (UTC-04:00)
Position	45	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

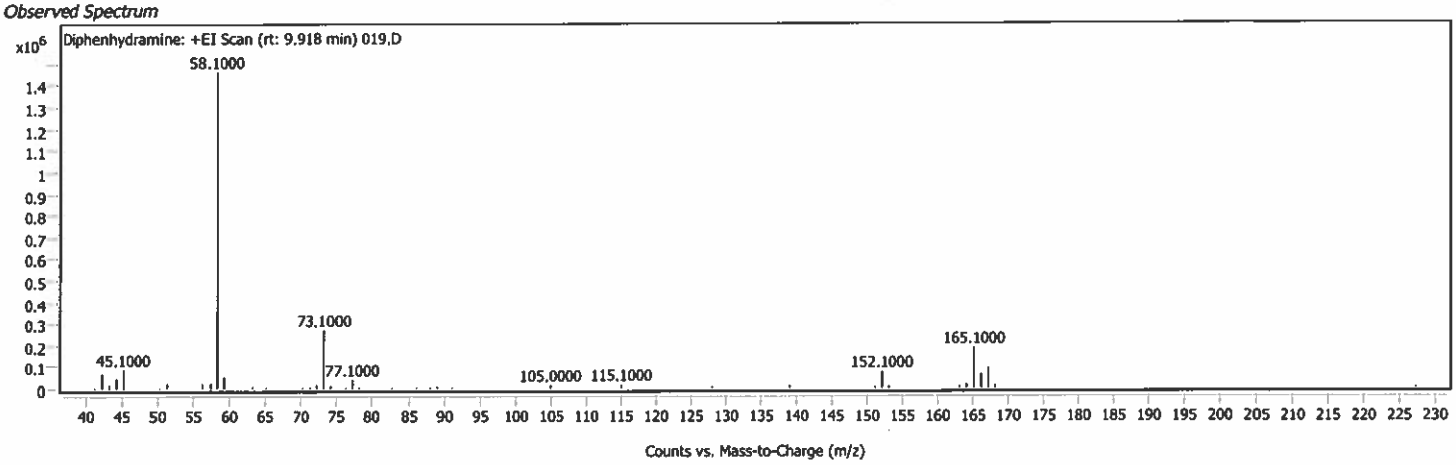
Agilent

Sample Spectra

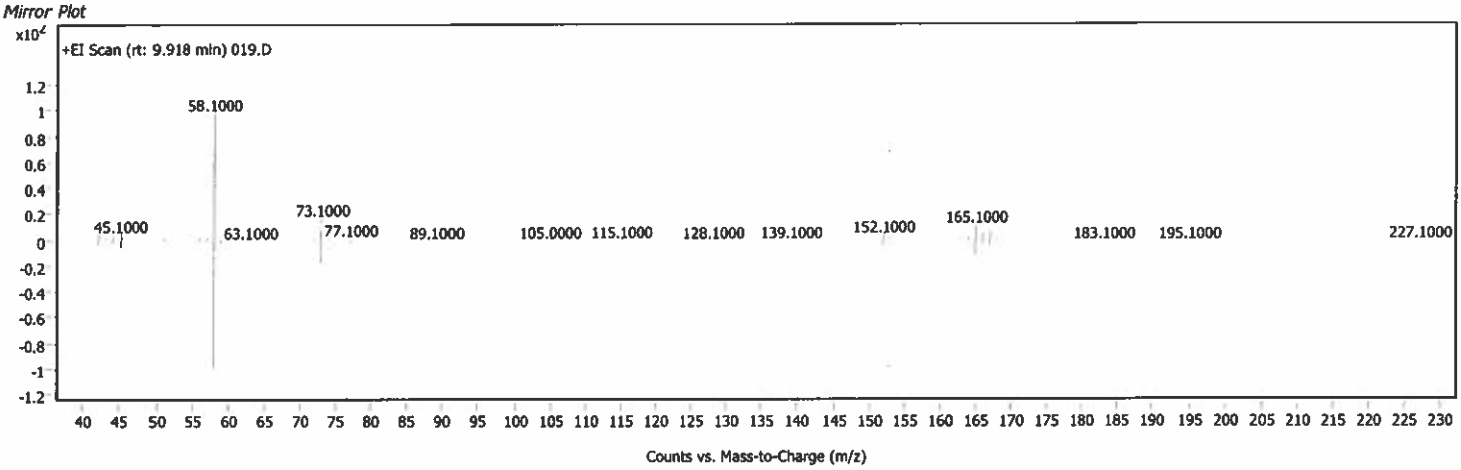
+ Scan (rt: 9.918 min) **Diphenhydramine; C17H21NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Diphenhydramine	C17H21NO	98.31	SWGDRUG 3.3.L	MATRIX 6 W/ SW CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

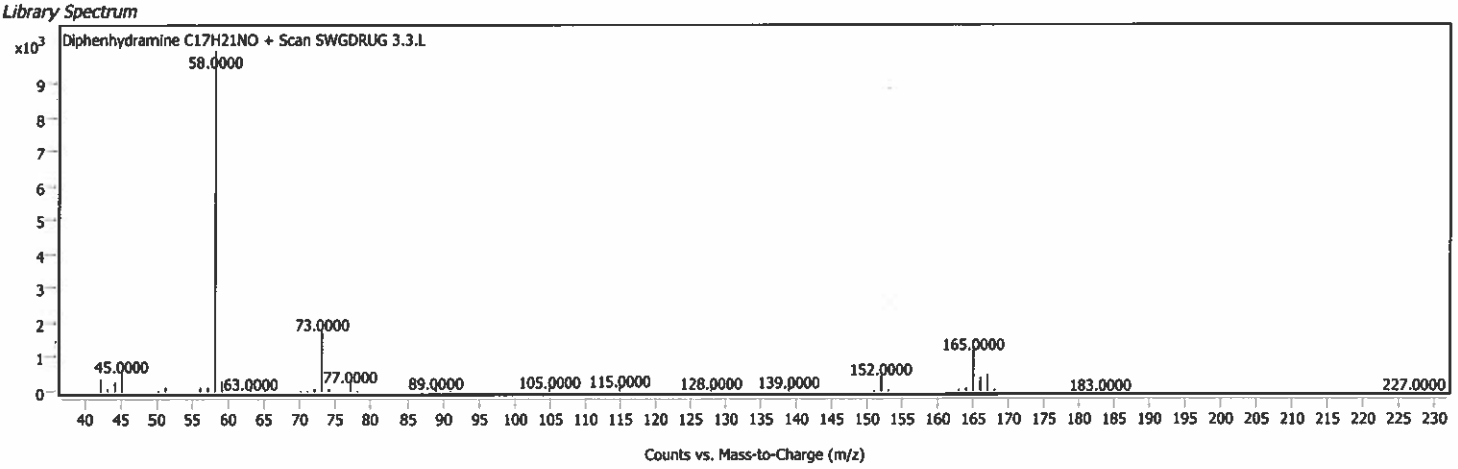
Observed Spectrum



Mirror Plot



Library Spectrum



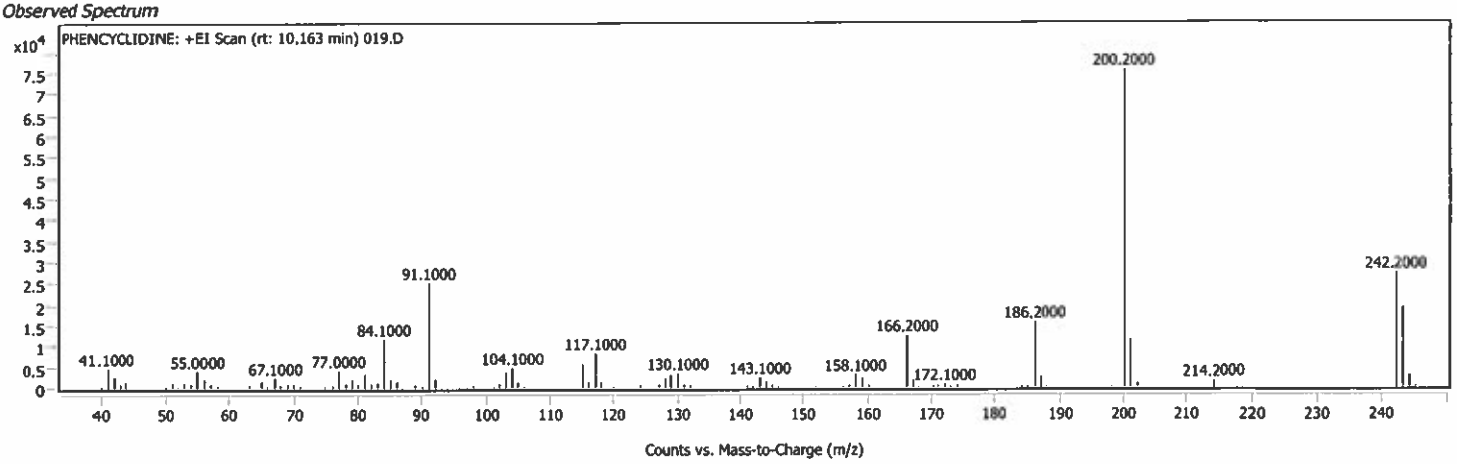
Analysis Report

Agilent

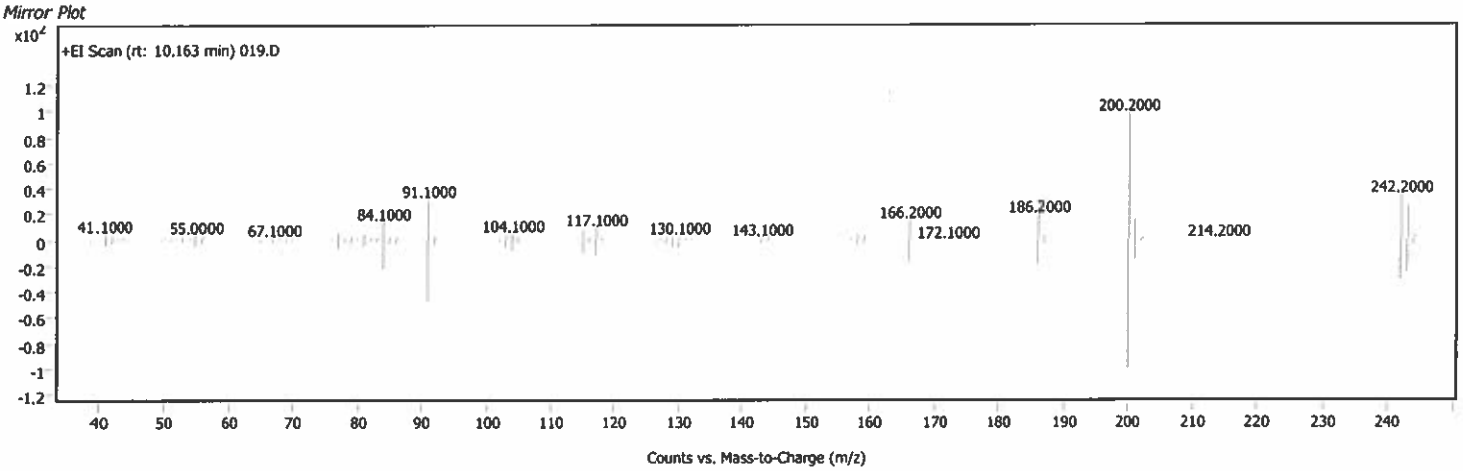
+ Scan (rt: 10.163 min) **PHENCYCLIDINE; C17H25N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
PHENCYCLIDINE	C17H25N	98.50	aafs.l	MATRIX 6 W/ SW CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

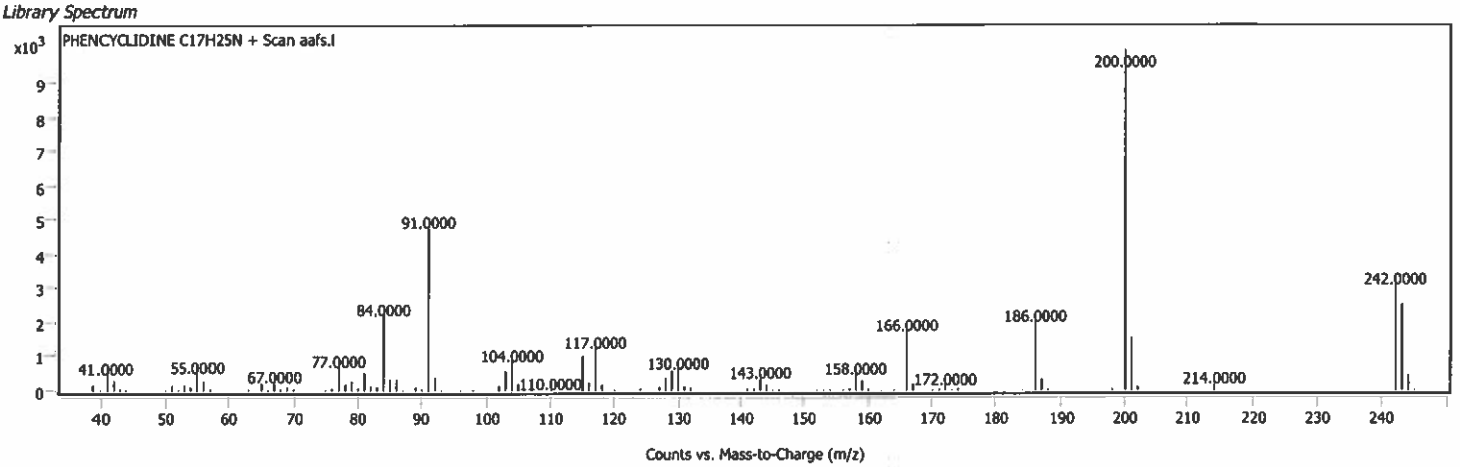
Observed Spectrum



Mirror Plot



Library Spectrum



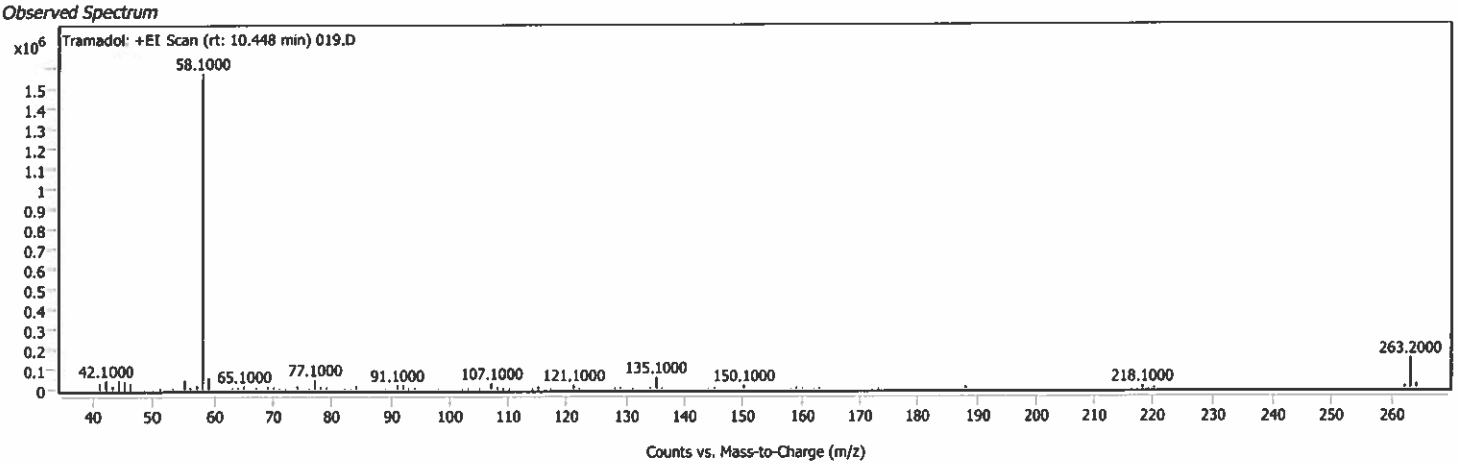
Analysis Report

Agilent

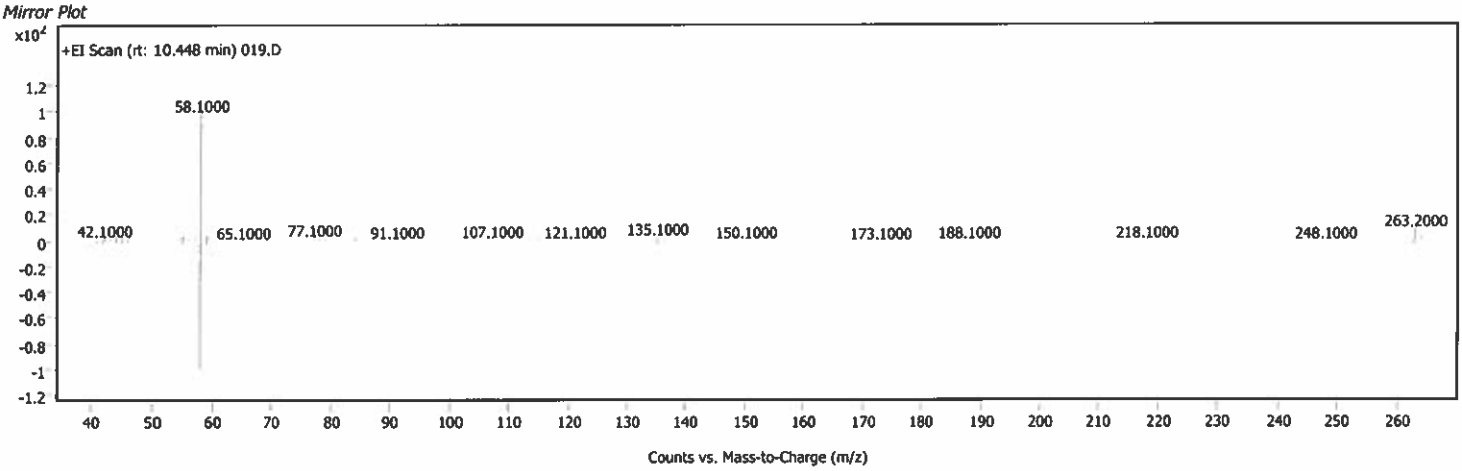
+ Scan (rt: 10.448 min) **Tramadol; C16H25NO2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Tramadol	C16H25NO2	95.71	SWGDRUG 3.3.L	MATRIX 6 W/ SW CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

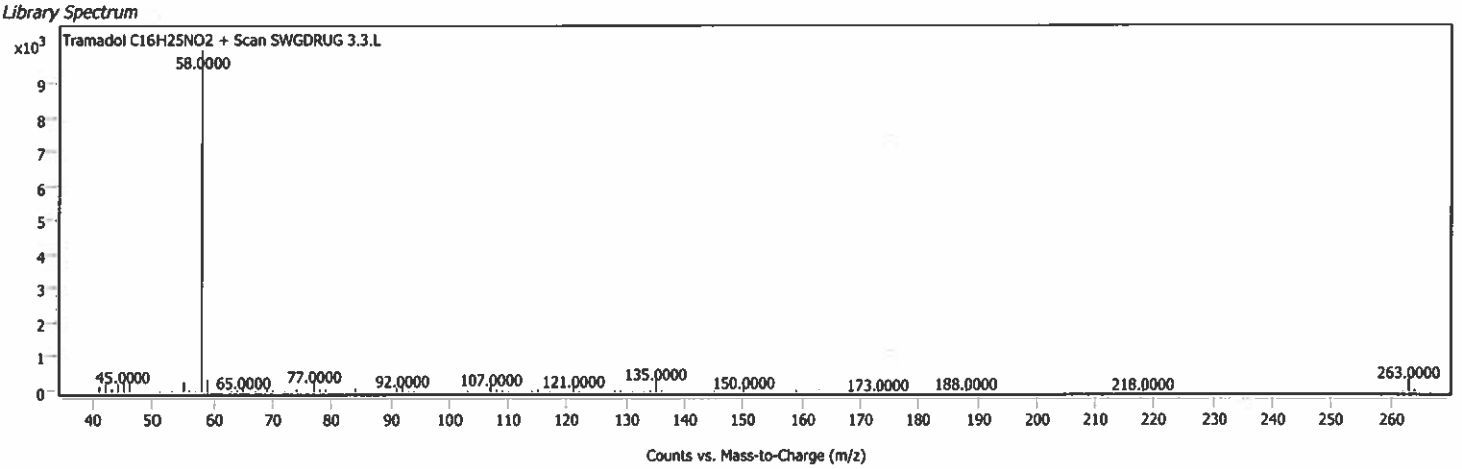
Observed Spectrum



Mirror Plot



Library Spectrum



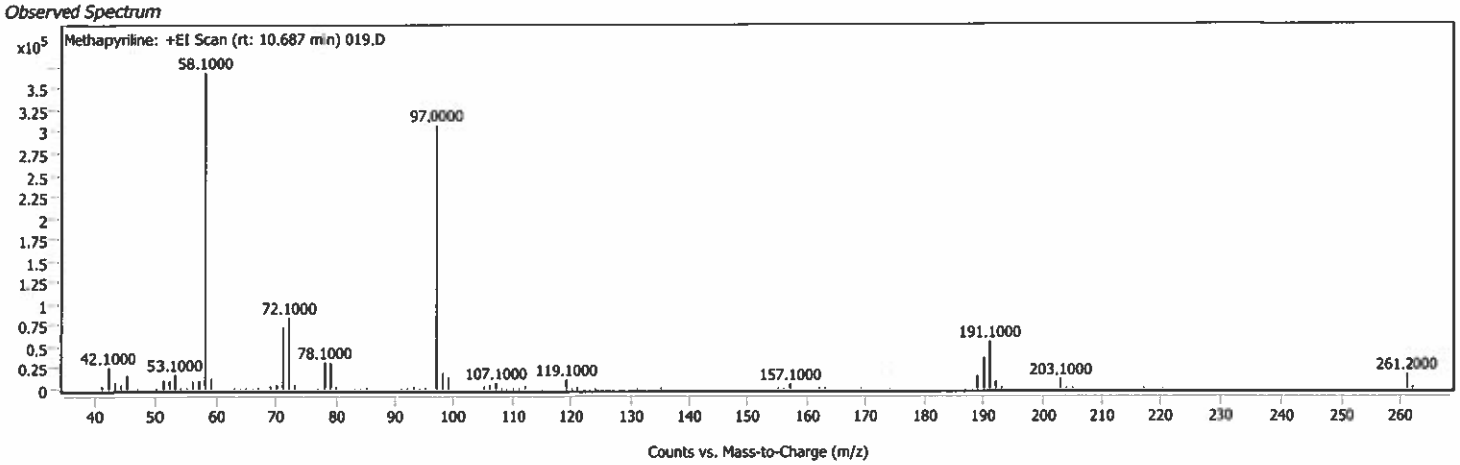
Analysis Report

Agilent

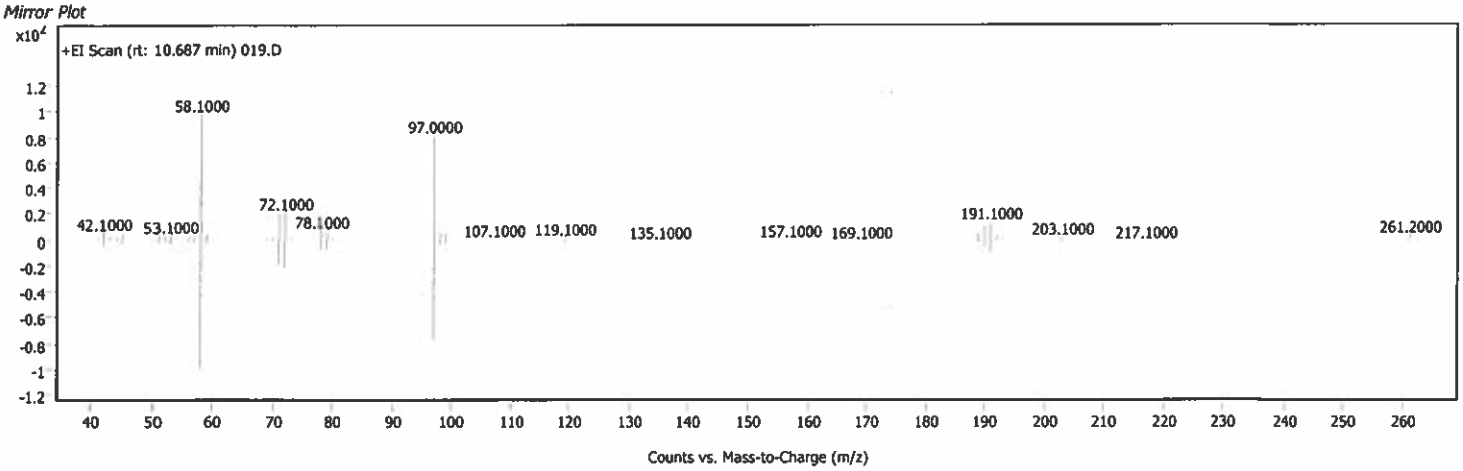
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.37	SWGDRUG 3.3.L	MATRIX 6 W/ SW CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

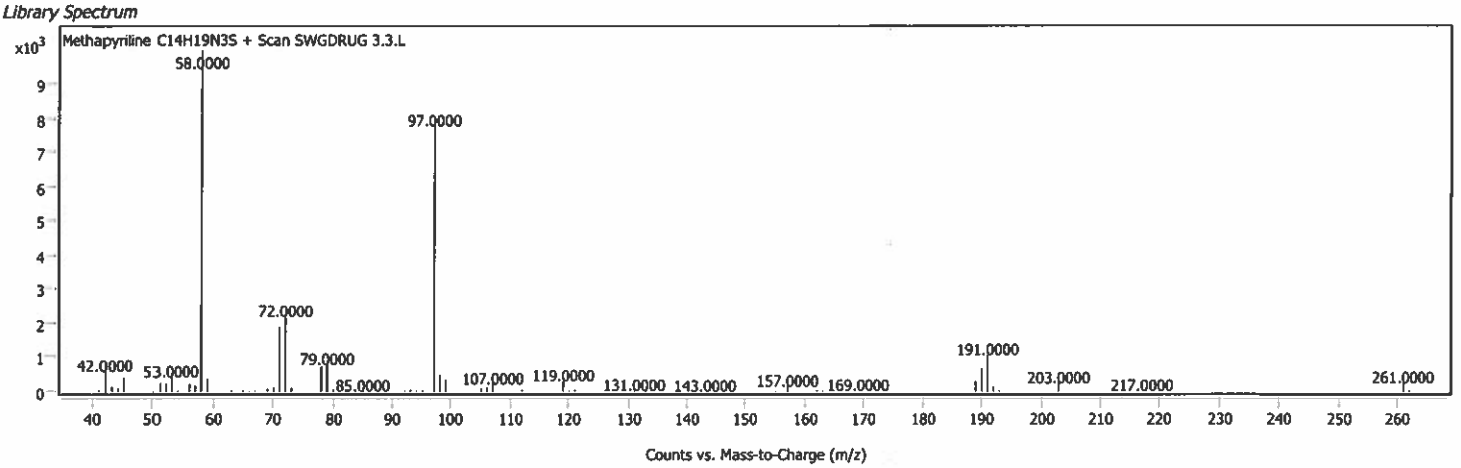
Observed Spectrum



Mirror Plot



Library Spectrum



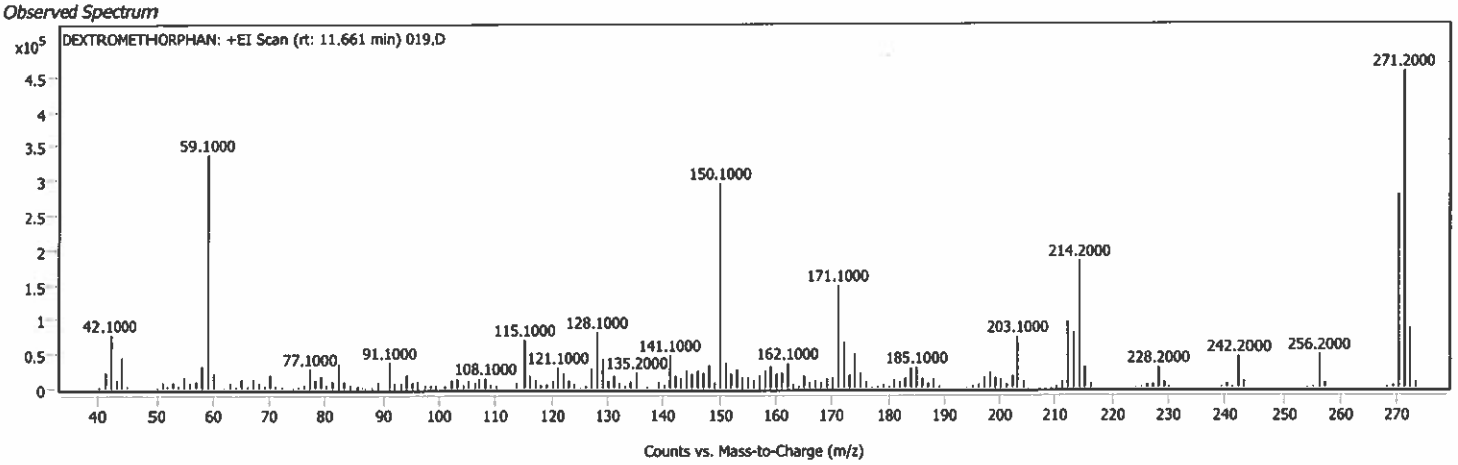
Analysis Report

Agilent

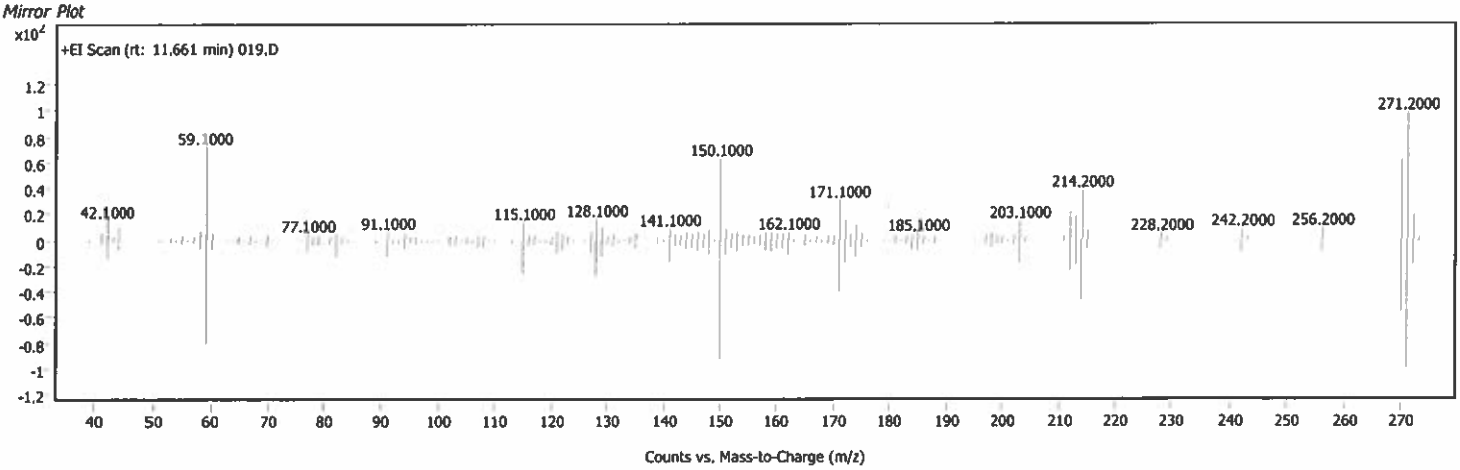
+ Scan (rt: 11.661 min) **DEXTROMETHORPHAN; C18H25NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DEXTROMETHORPHAN	C18H25NO	92.32	aafs.l	MATRIX 6 W/ SW CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

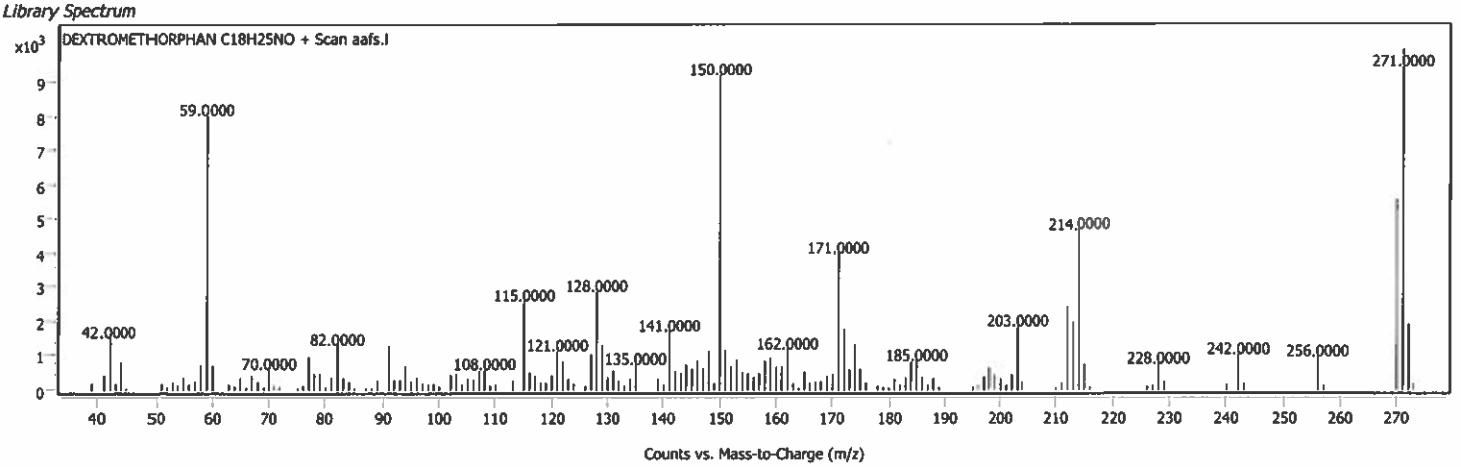
Observed Spectrum



Mirror Plot



Library Spectrum



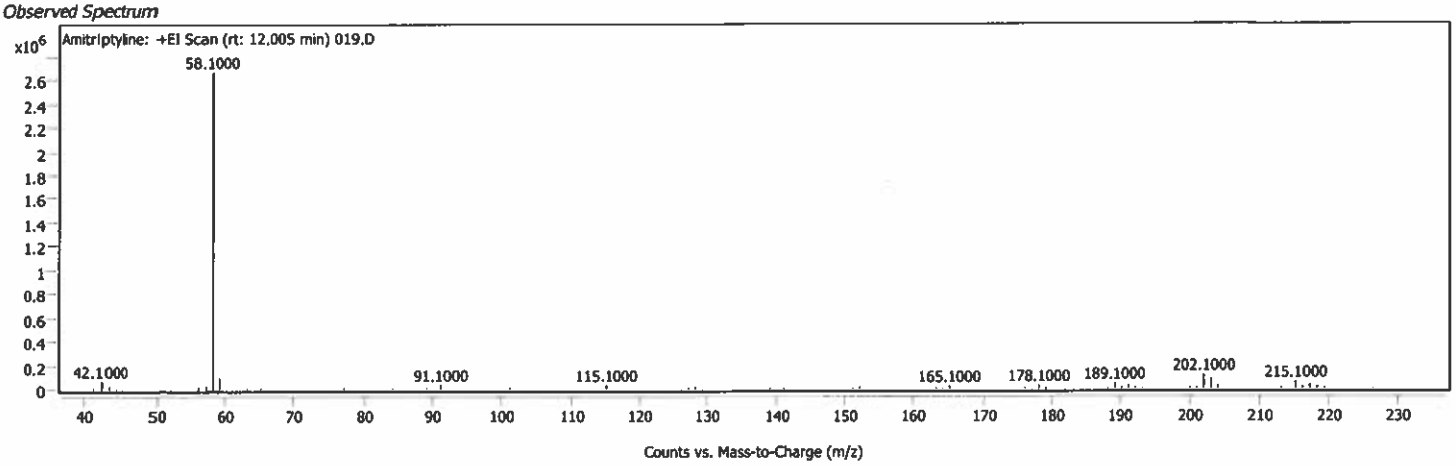
Analysis Report

Agilent

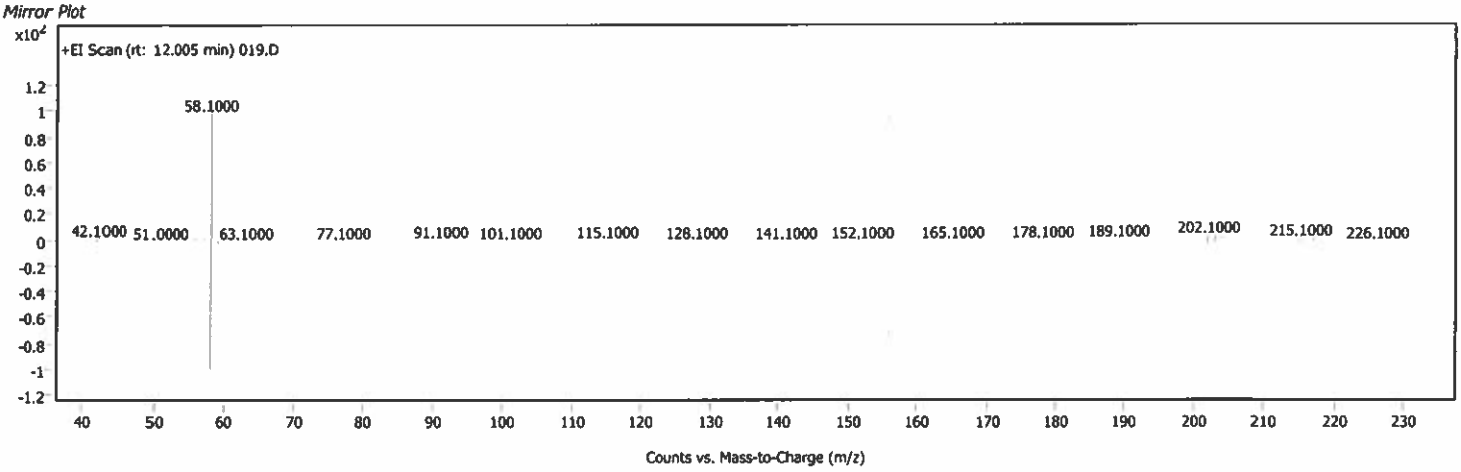
+ Scan (rt: 12.005 min) **Amitriptyline; C20H23N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Amitriptyline	C20H23N	98.02	SWGDRUG 3.3.L	MATRIX 6 W/ SW CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

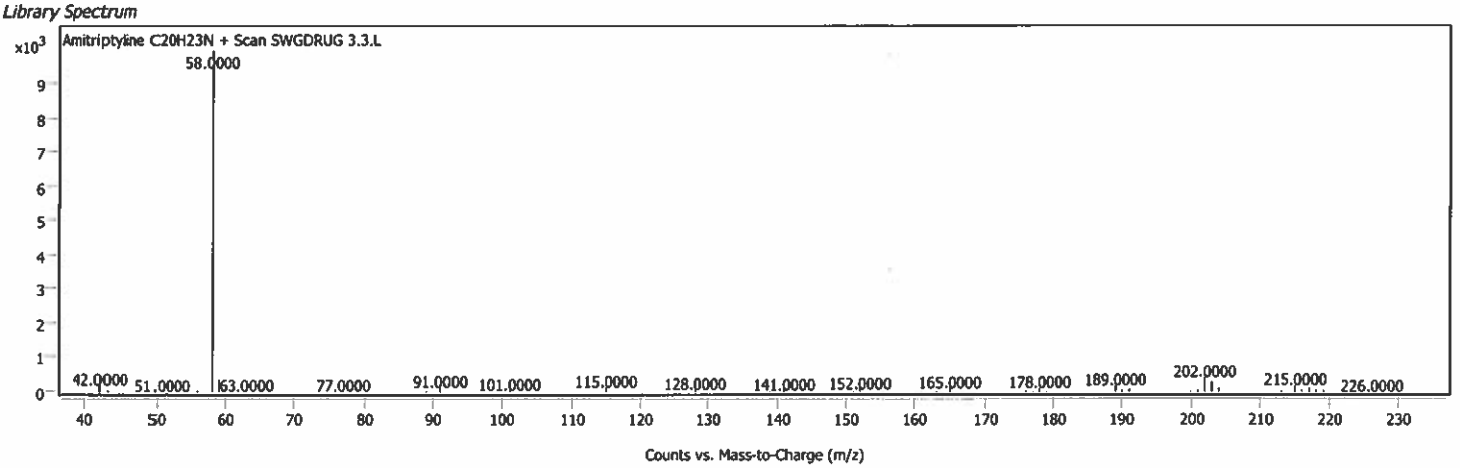
Observed Spectrum



Mirror Plot



Library Spectrum



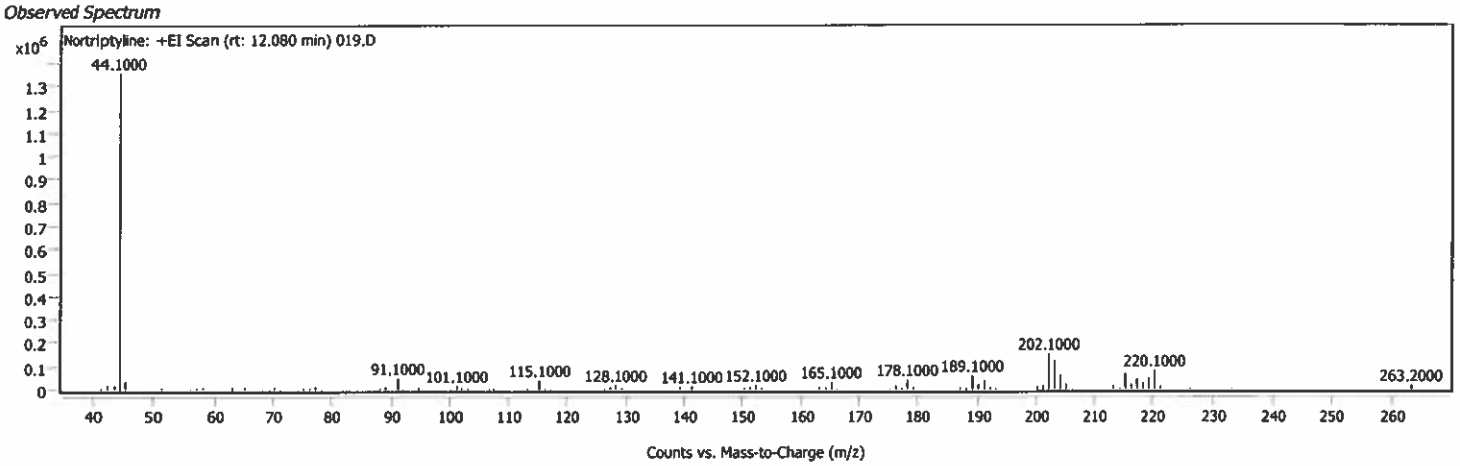
Analysis Report

Agilent

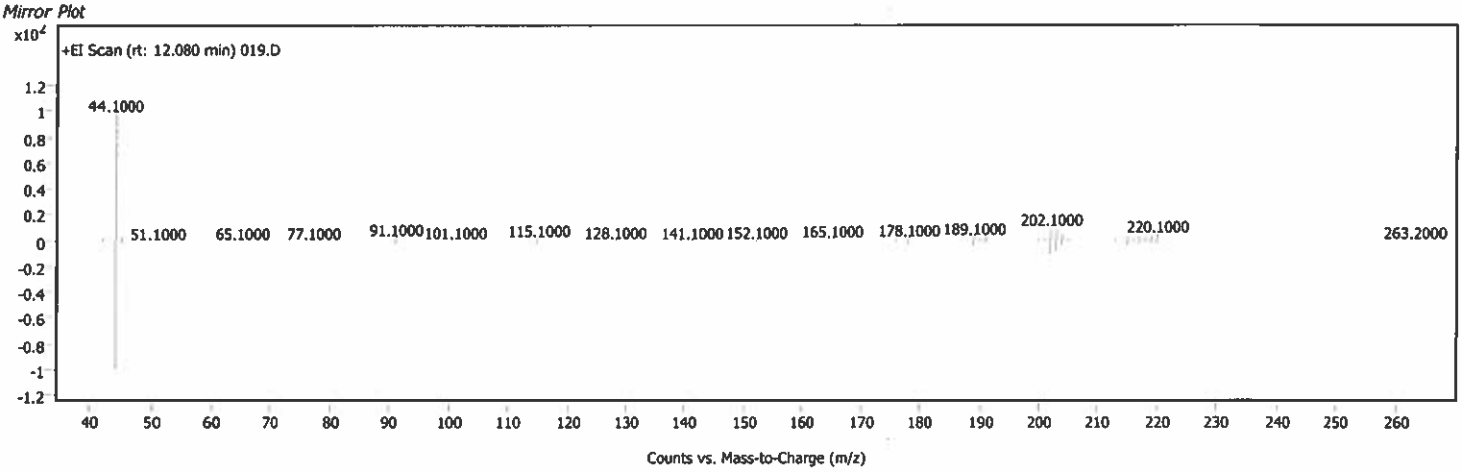
+ Scan (rt: 12.080 min) **Nortriptyline; C19H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Nortriptyline	C19H21N	97.74	SWGDRUG 3.3.L	MATRIX 6 W/ SW CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

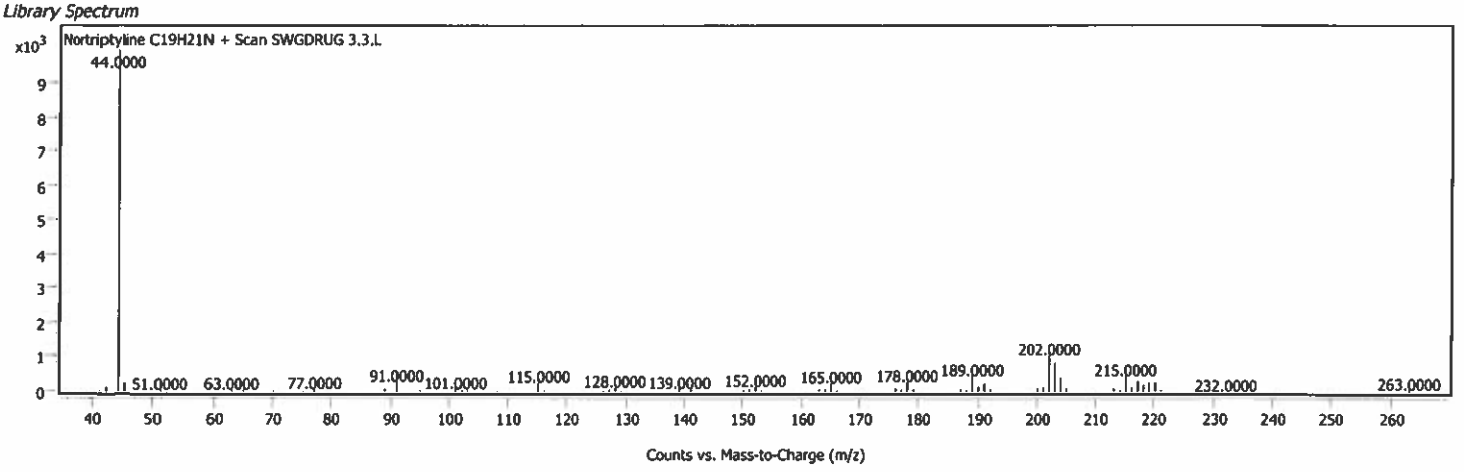
Observed Spectrum



Mirror Plot



Library Spectrum



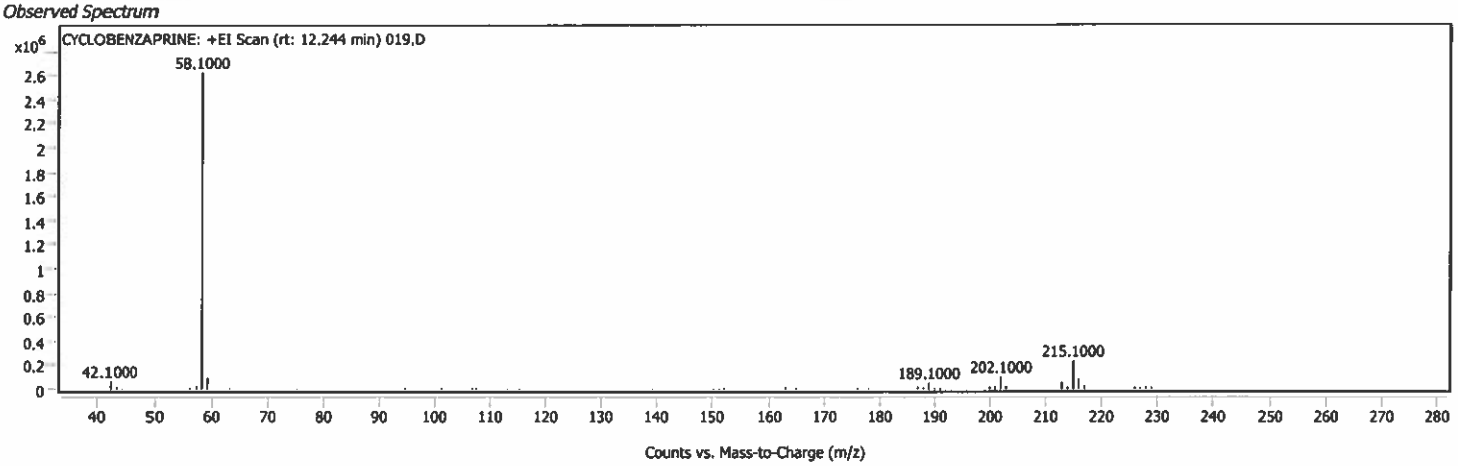
Analysis Report

Agilent

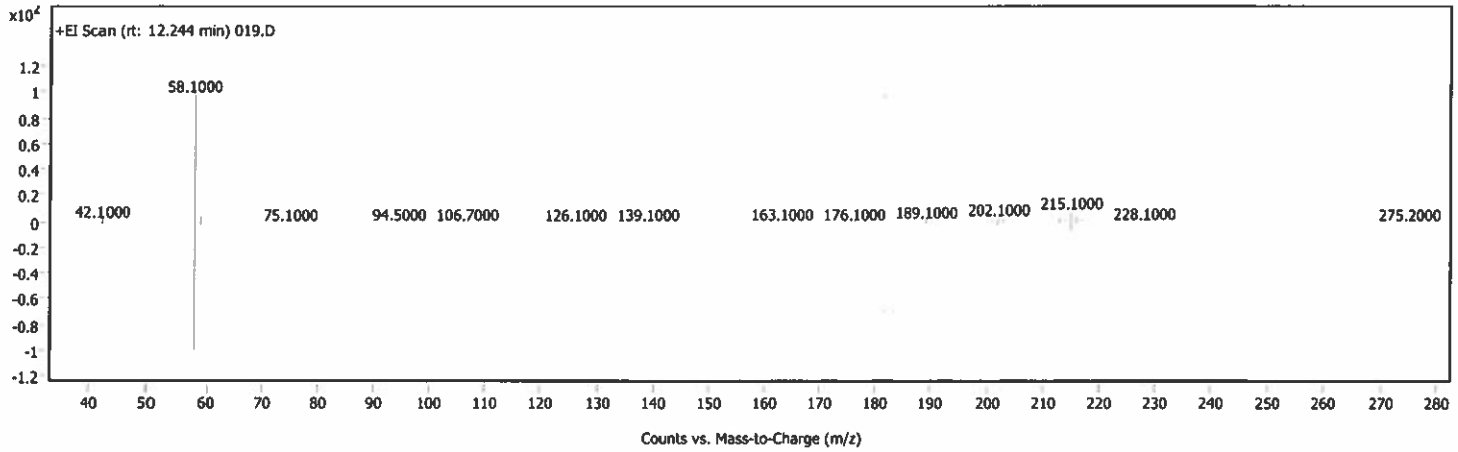
+ Scan (rt: 12.244 min) **CYCLOBENZAPRINE; C20H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CYCLOBENZAPRINE	C20H21N	96.38	aafs.l	MATRIX 6 W/ SW CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

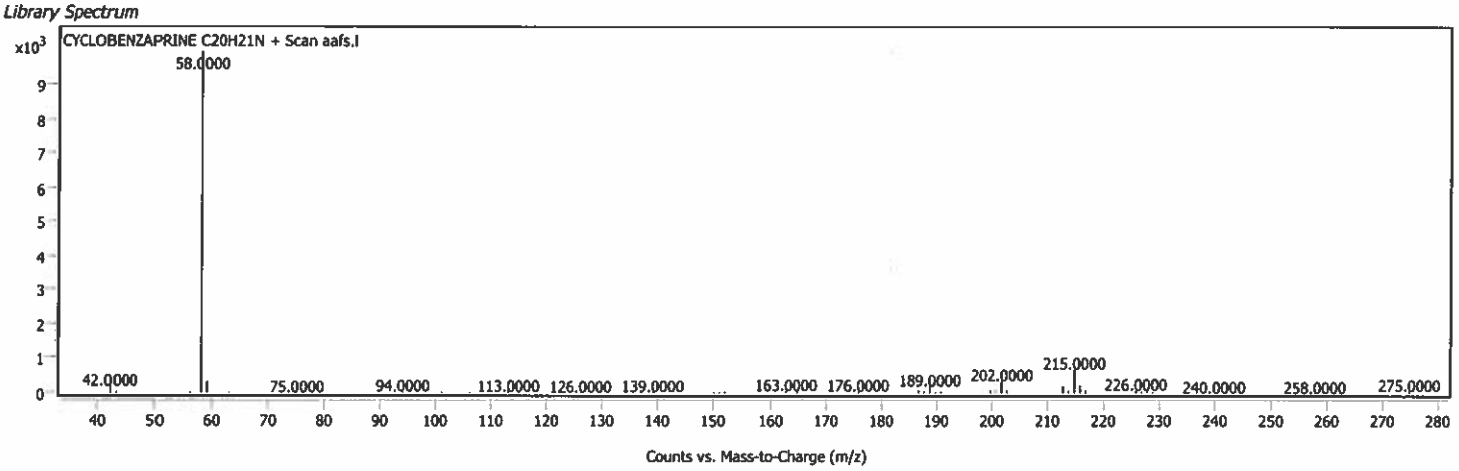
Observed Spectrum



Mirror Plot



Library Spectrum



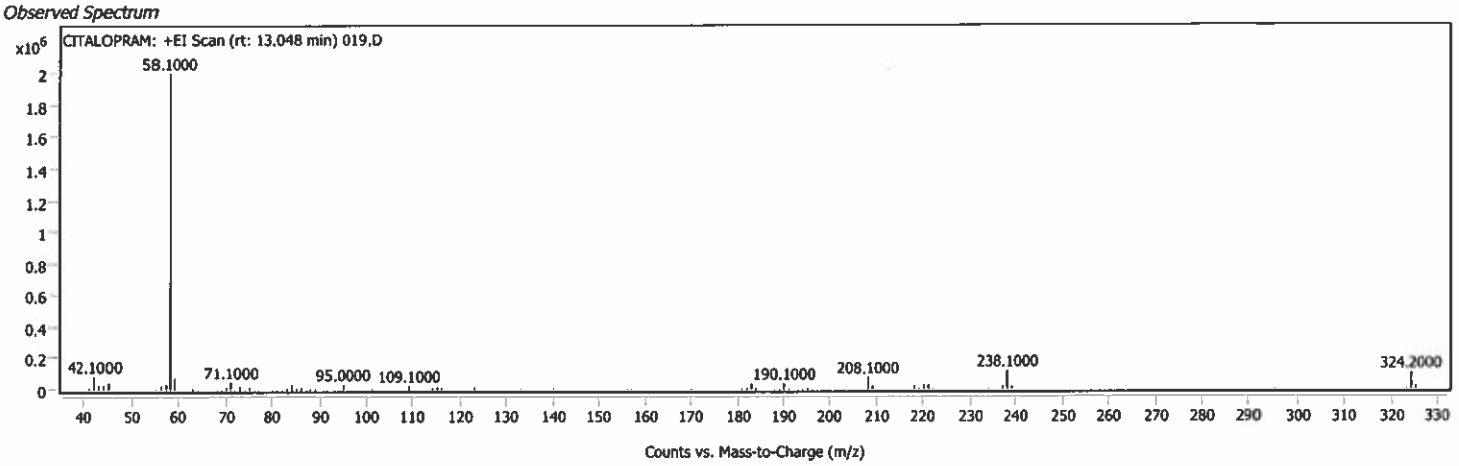
Analysis Report

Agilent

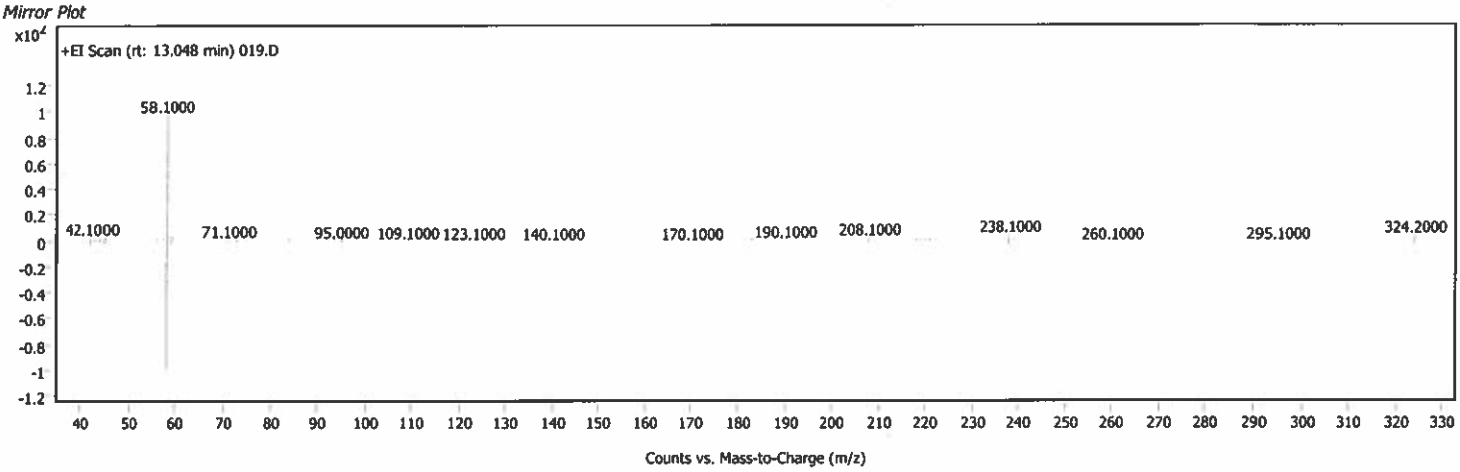
+ Scan (rt: 13.048 min) **CITALOPRAM; C20H21FN2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CITALOPRAM	C20H21FN2O	96.72	aafs.l	MATRIX 6 W/ SW CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

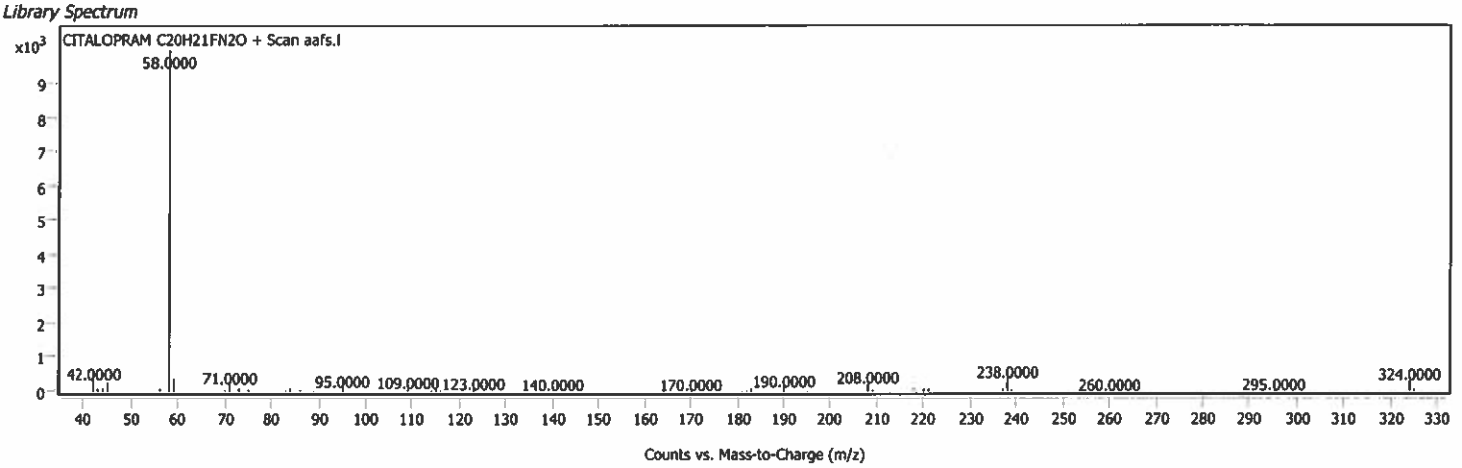
Observed Spectrum



Mirror Plot



Library Spectrum



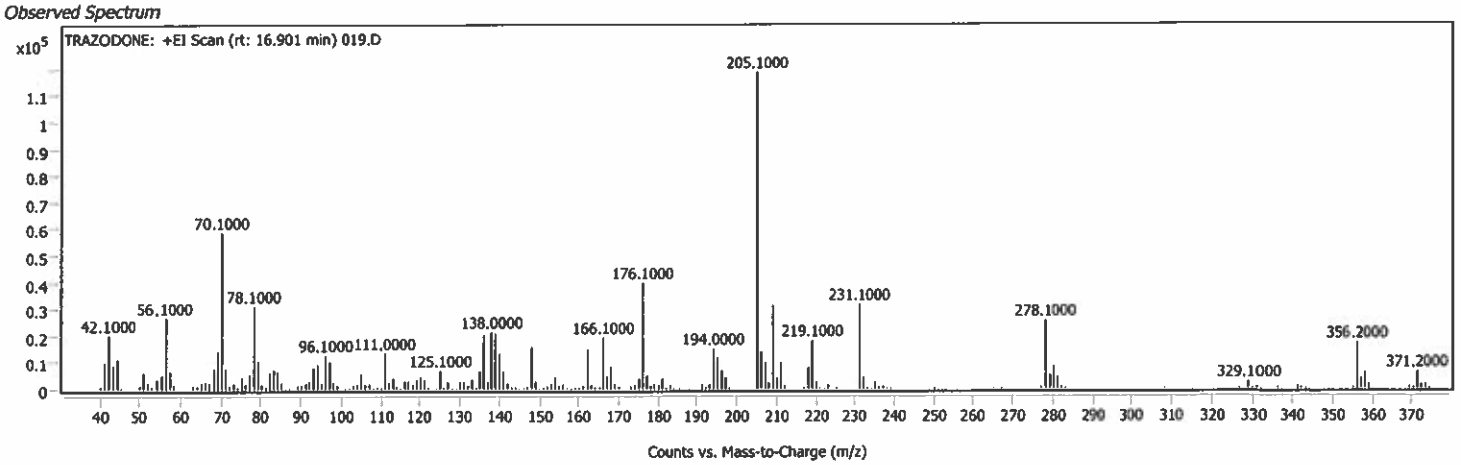
Analysis Report

Agilent

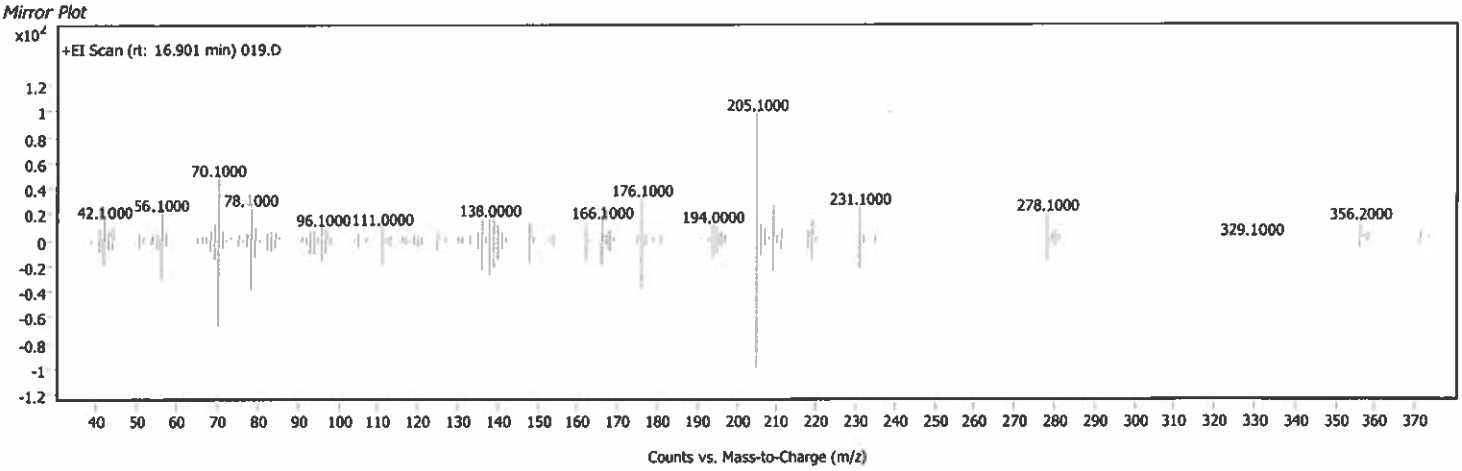
+ Scan (rt: 16.901 min) **TRAZODONE**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
TRAZODONE		95.29	aafs.l	MATRIX 6 W/ SW CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

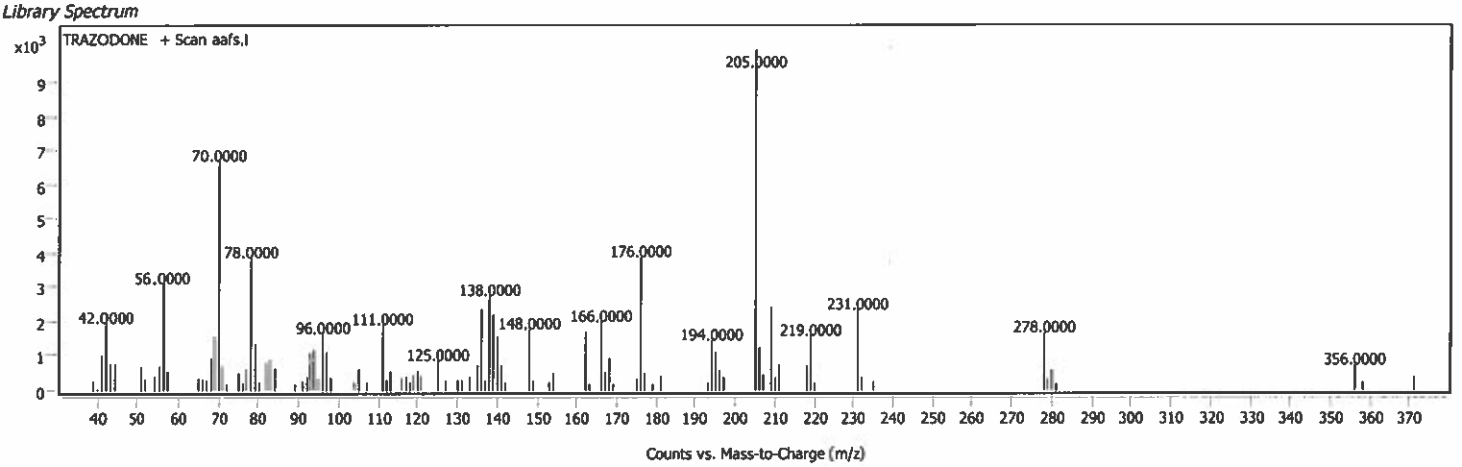
Observed Spectrum



Mirror Plot

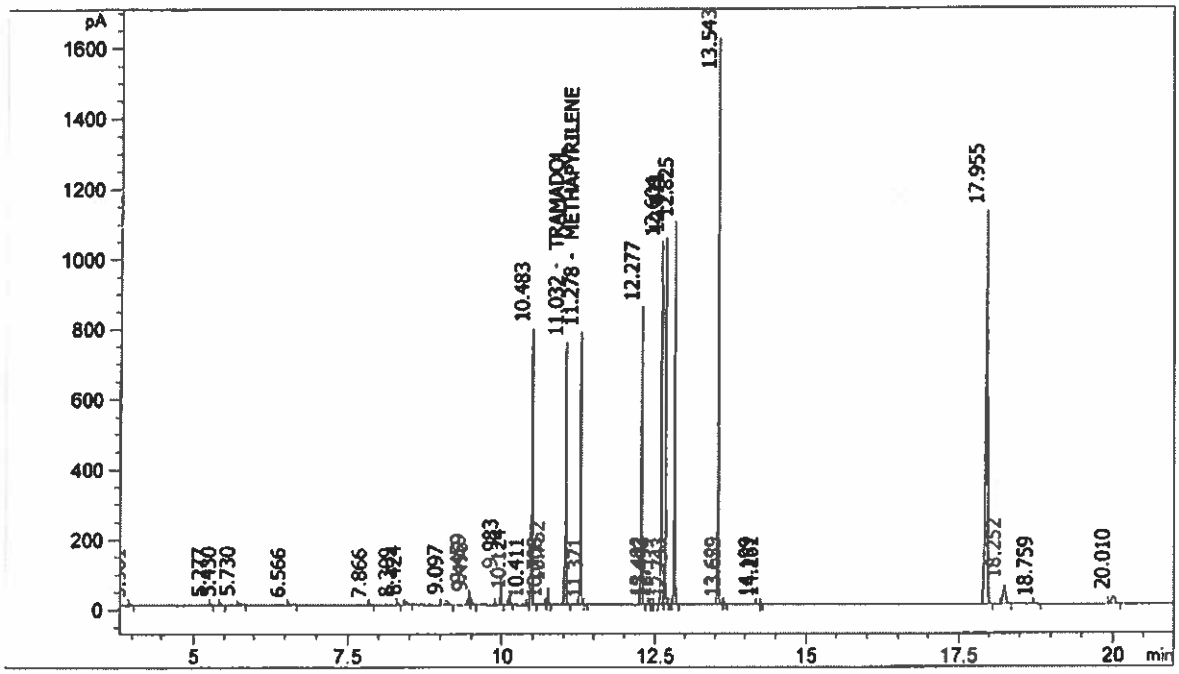


Library Spectrum



Injection Date: 9/28/2021 9:27:29 PM Seq Line: 20
Sample Name: MATRIX 6 W/ SW CTL - -> Vial 21
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.032	11.033	949.633	748.275	0.000000	TRAMADOL RRT - 0.9782
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
11.278	11.278	901.578	775.774	1.000000	METHAPYRILENE

Analysis Report

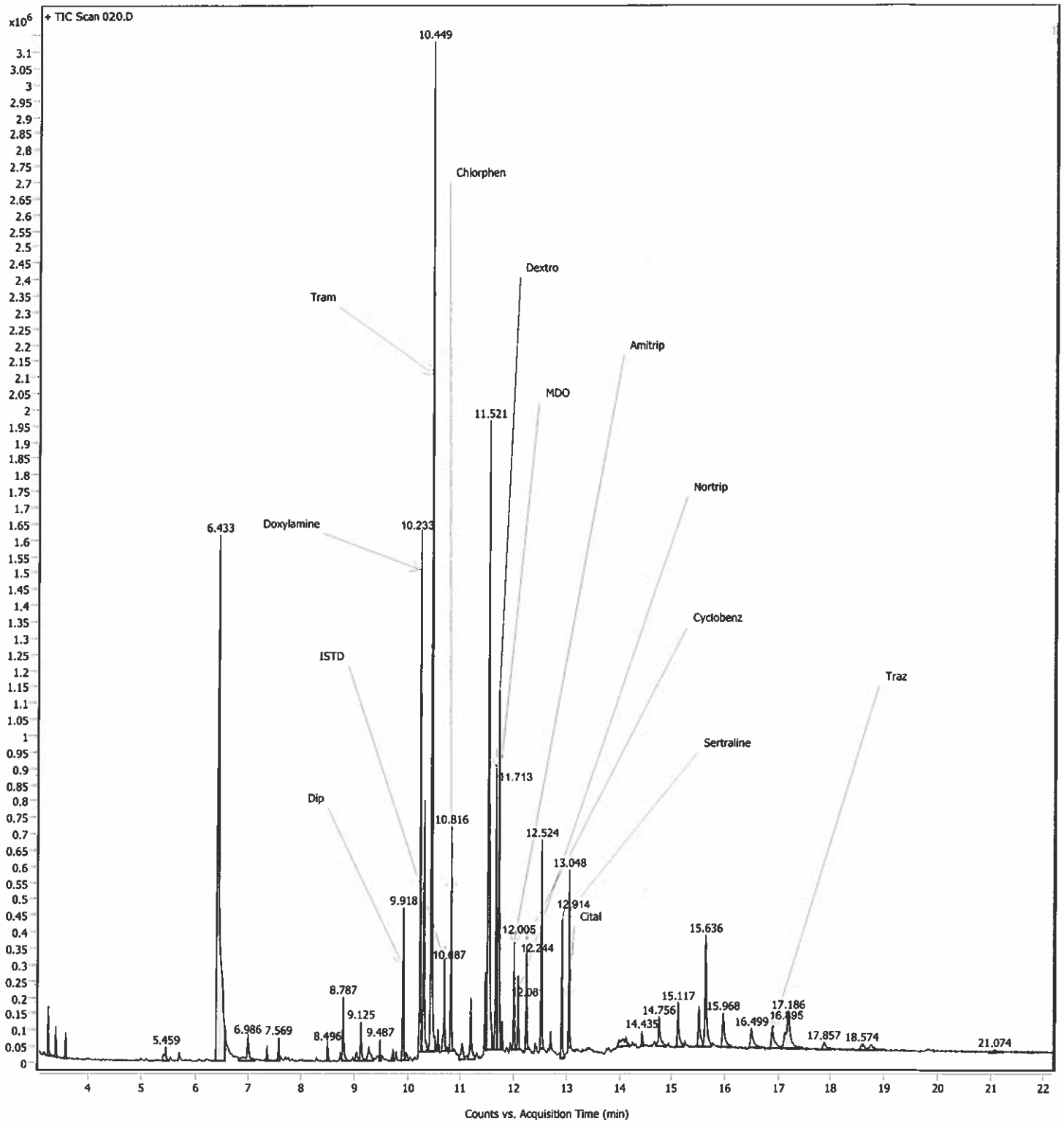
Agilent

Sample Information

Sample Name	MATRIX 10 W/ 0.01 mg/L CAL - LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\020.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 9:51:21 PM (UTC-04:00)
Position	46	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

2.0 mg/L - ~~400uL of 0.01mg/L~~ KM 4/17/23

Sample Chromatograms



Analysis Report

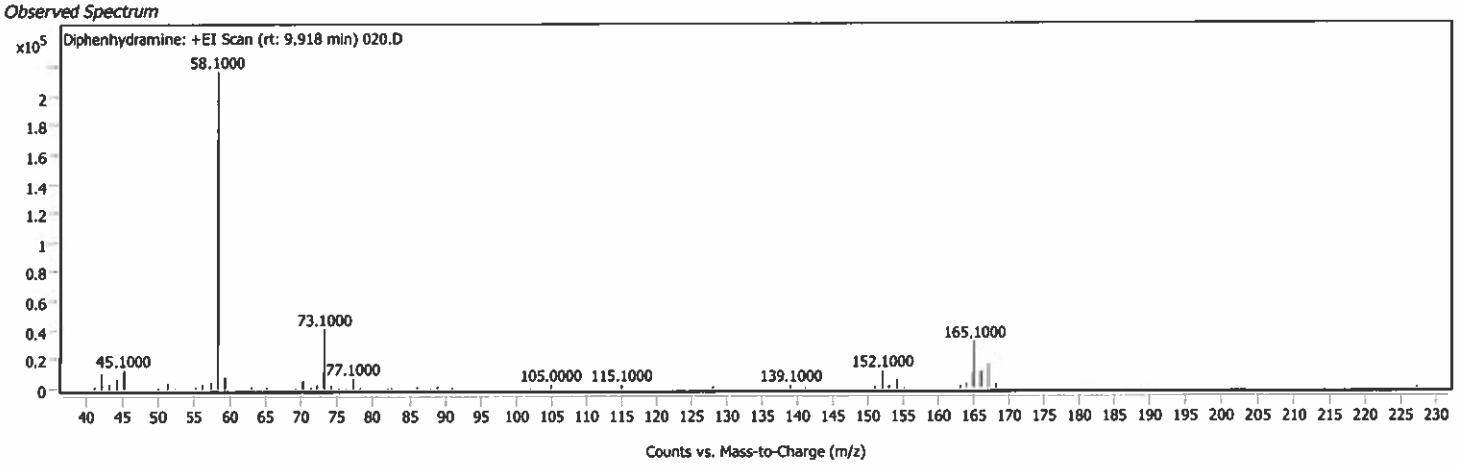
Agilent

Sample Spectra

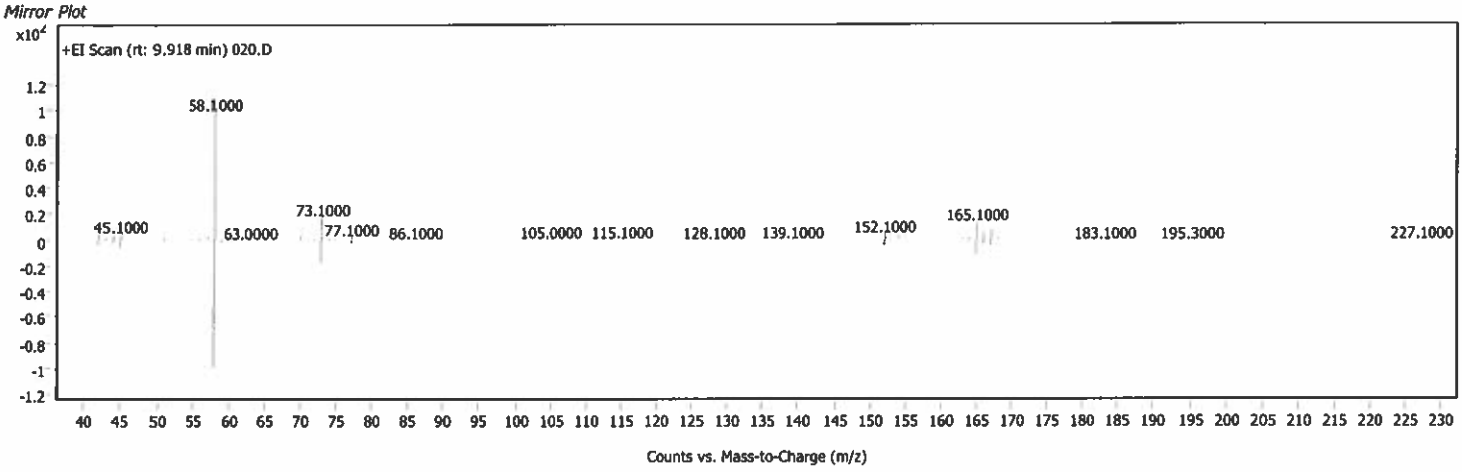
+ Scan (rt: 9.918 min) **Diphenhydramine; C17H21NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Diphenhydramine	C17H21NO	95.61	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

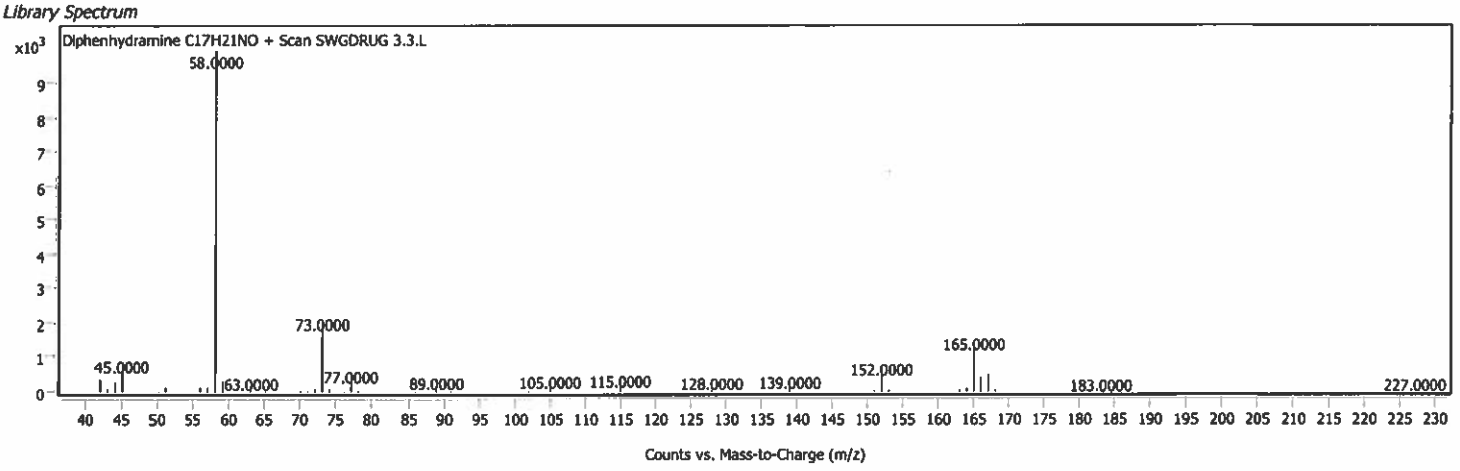
Observed Spectrum



Mirror Plot



Library Spectrum



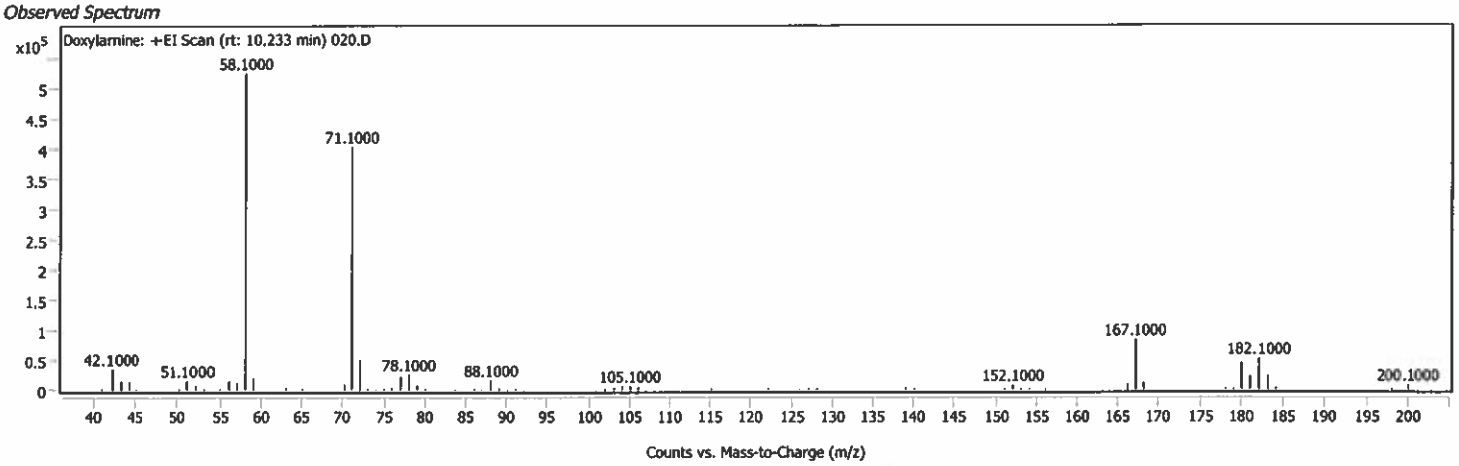
Analysis Report

Agilent

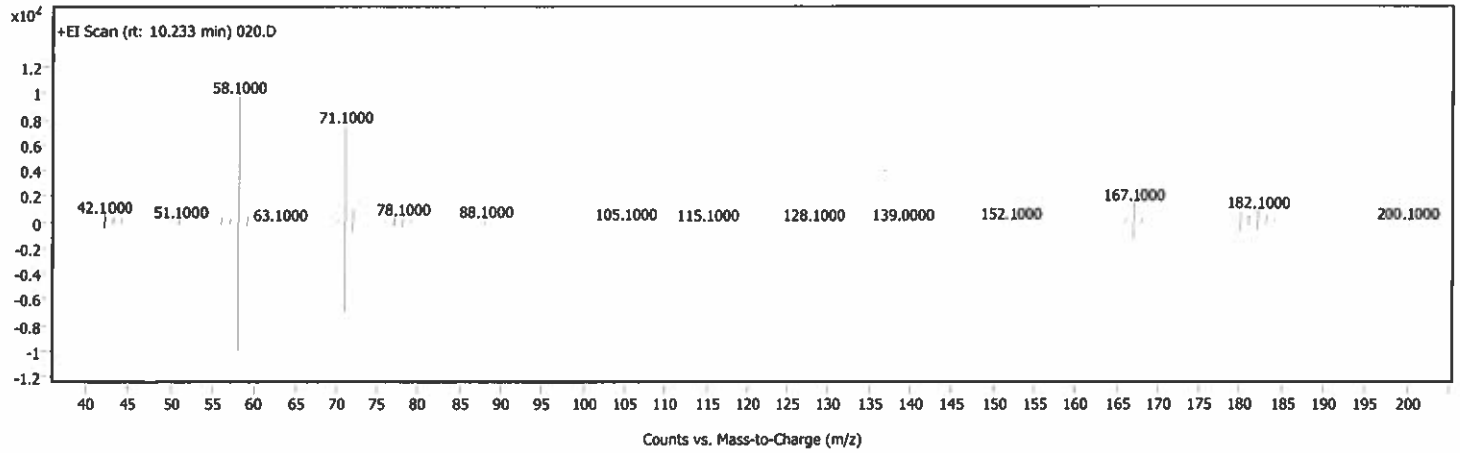
+ Scan (rt: 10.233 min) **Doxylamine; C17H22N2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Doxylamine	C17H22N2O	98.83	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

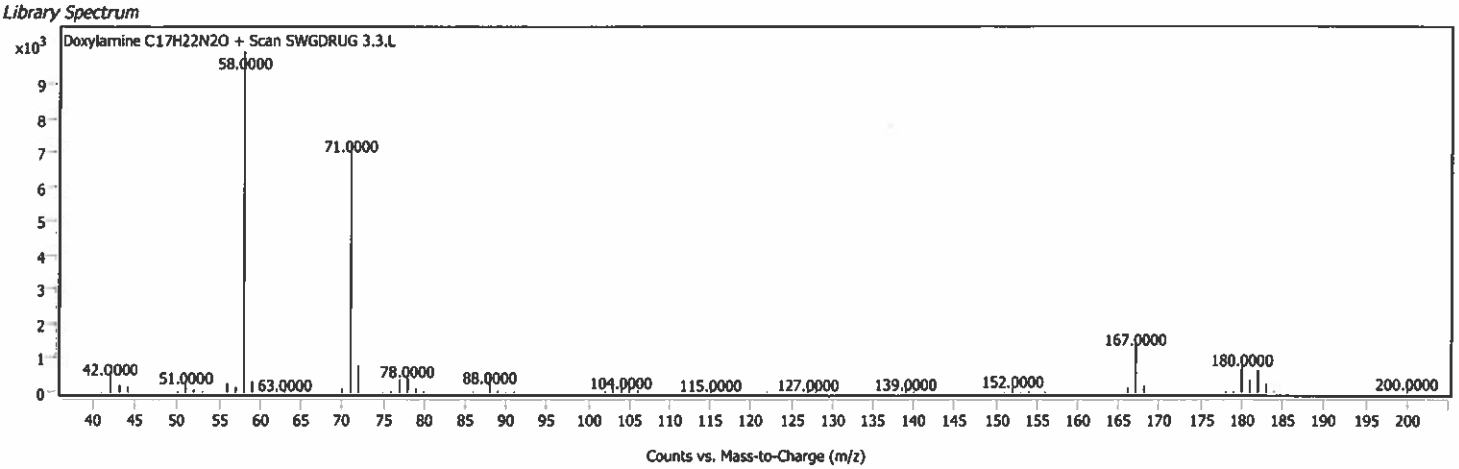
Observed Spectrum



Mirror Plot



Library Spectrum



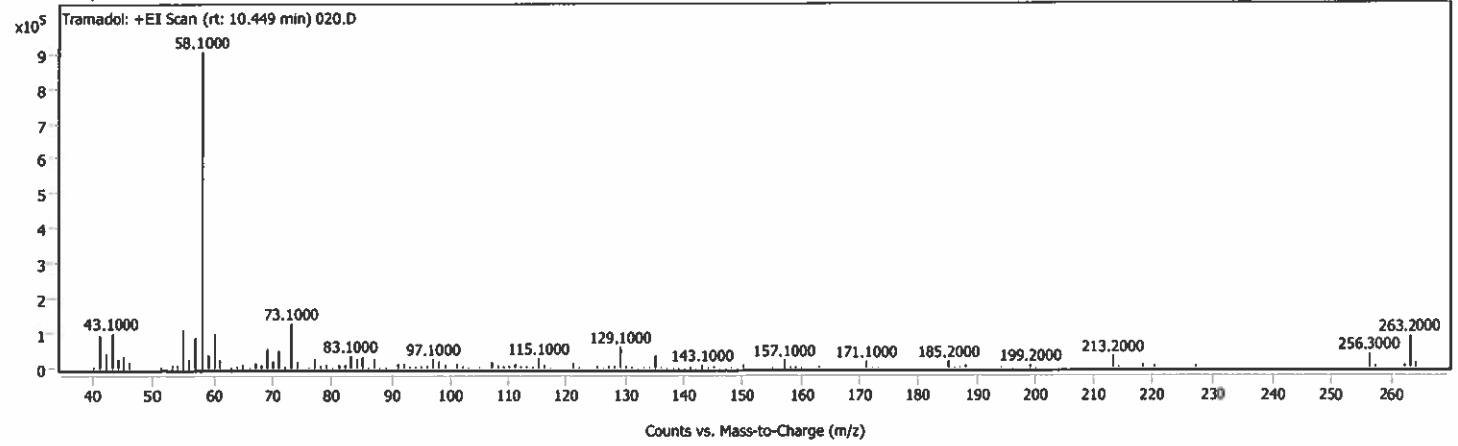
Analysis Report

Agilent

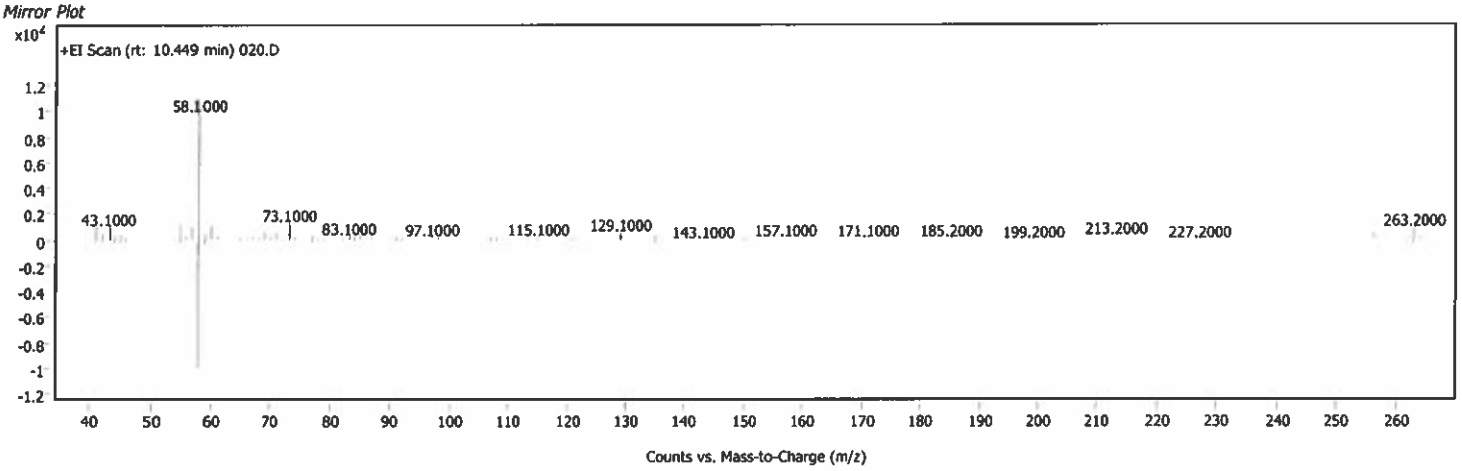
+ Scan (rt: 10.449 min) **Tramadol; C16H25NO2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Tramadol	C16H25NO2	71.28	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

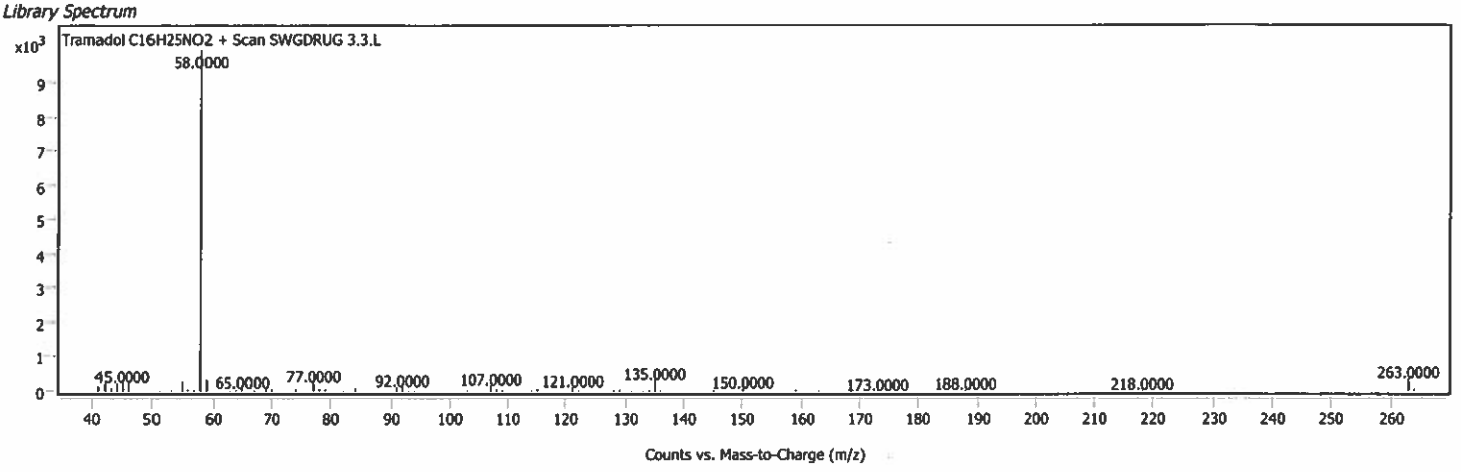
Observed Spectrum



Mirror Plot



Library Spectrum



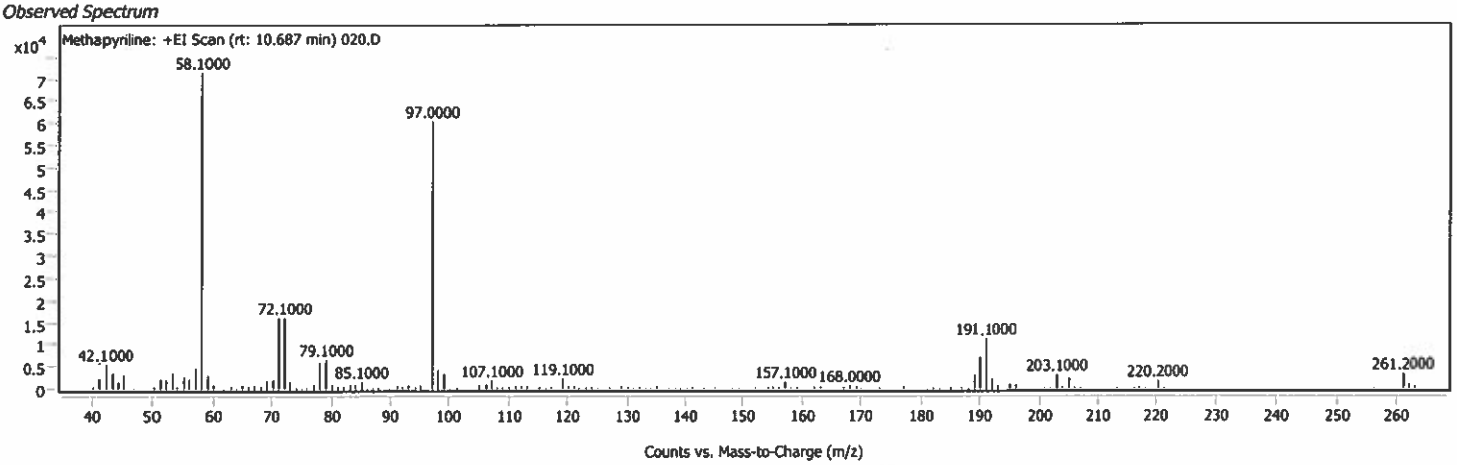
Analysis Report

Agilent

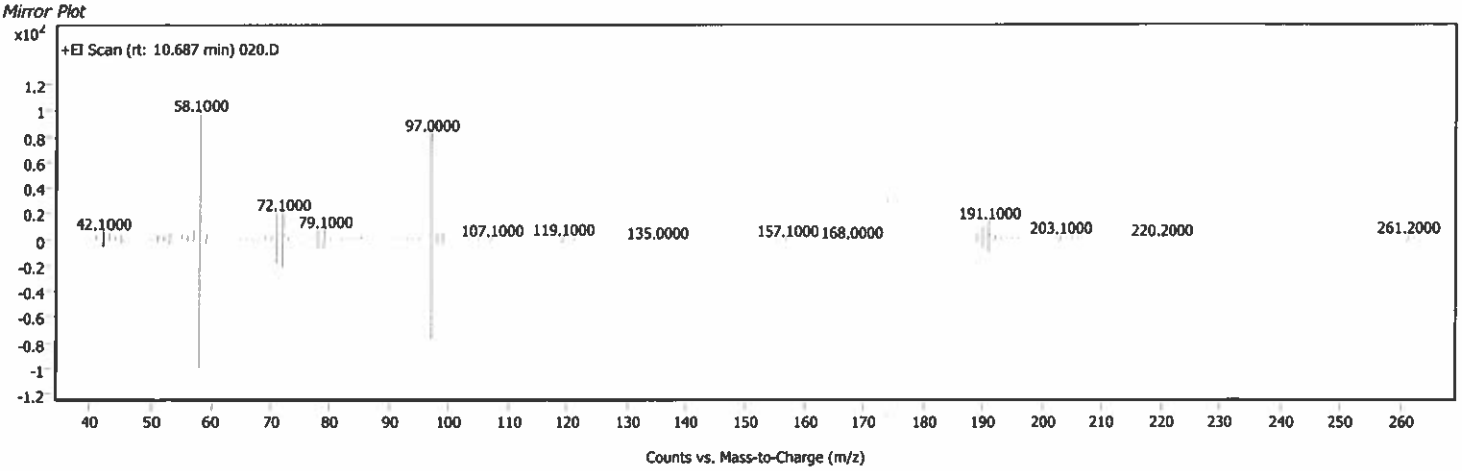
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	91.11	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

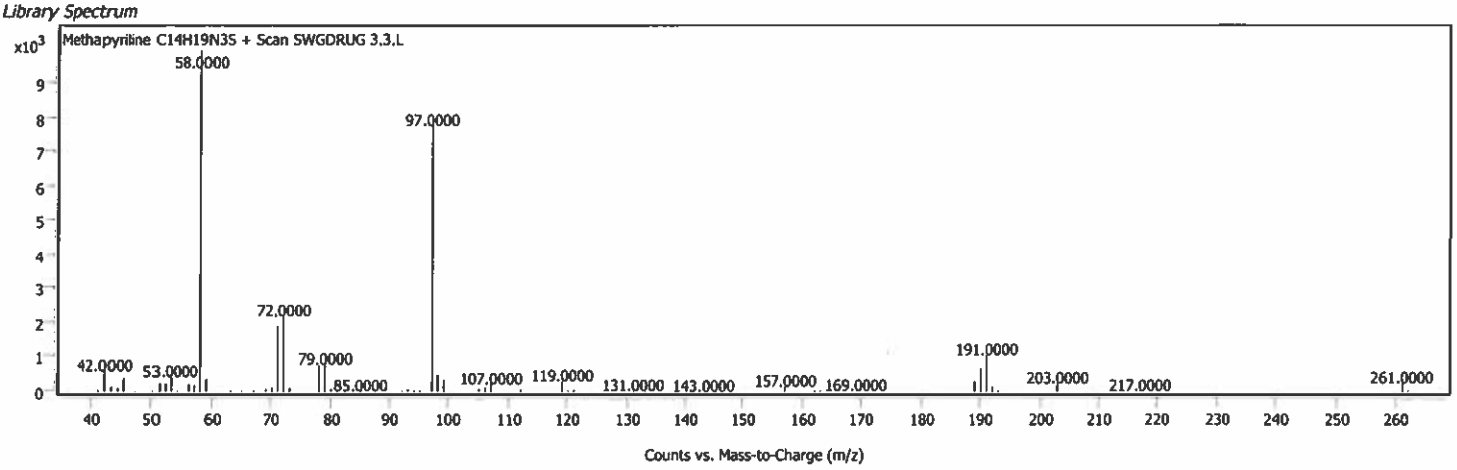
Observed Spectrum



Mirror Plot



Library Spectrum



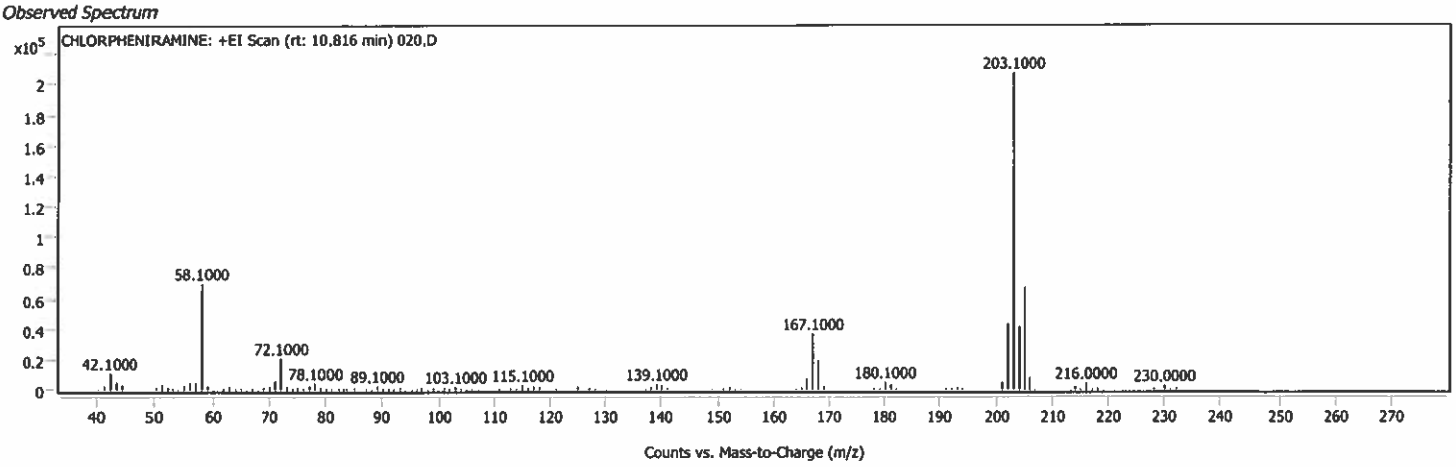
Analysis Report

Agilent

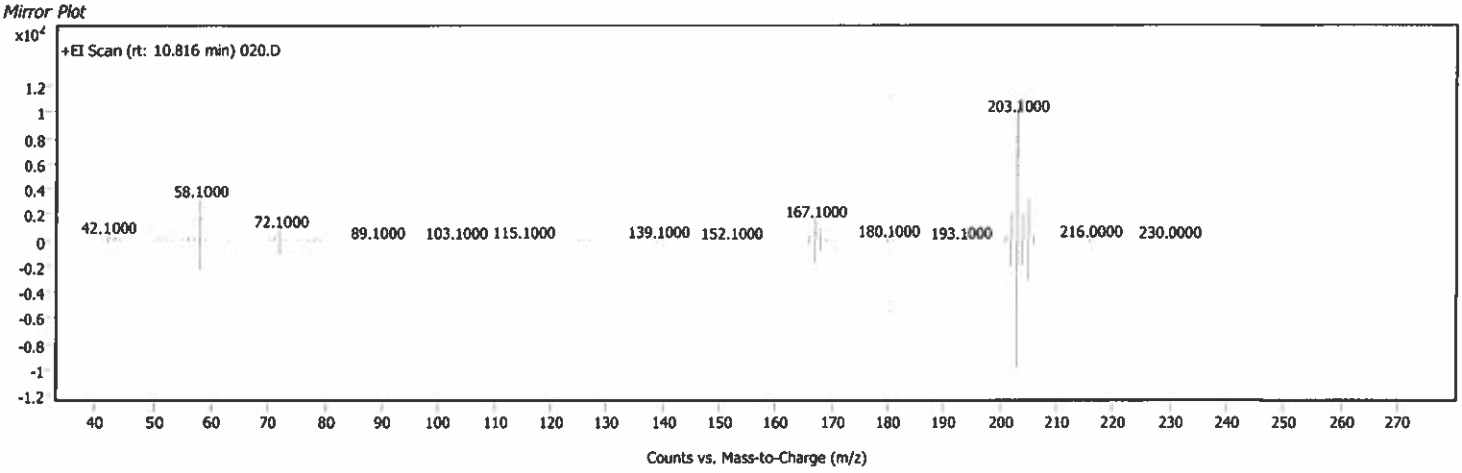
+ Scan (rt: 10.816 min) **CHLORPHENIRAMINE; C16H19ClN2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CHLORPHENIRAMINE	C16H19ClN2	98.30	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

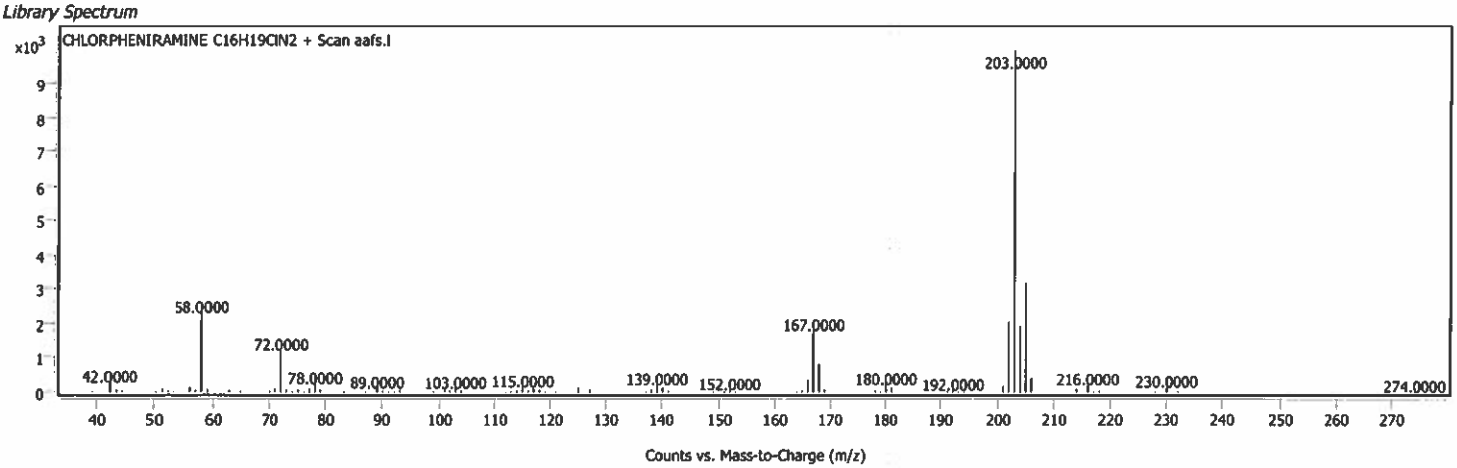
Observed Spectrum



Mirror Plot



Library Spectrum



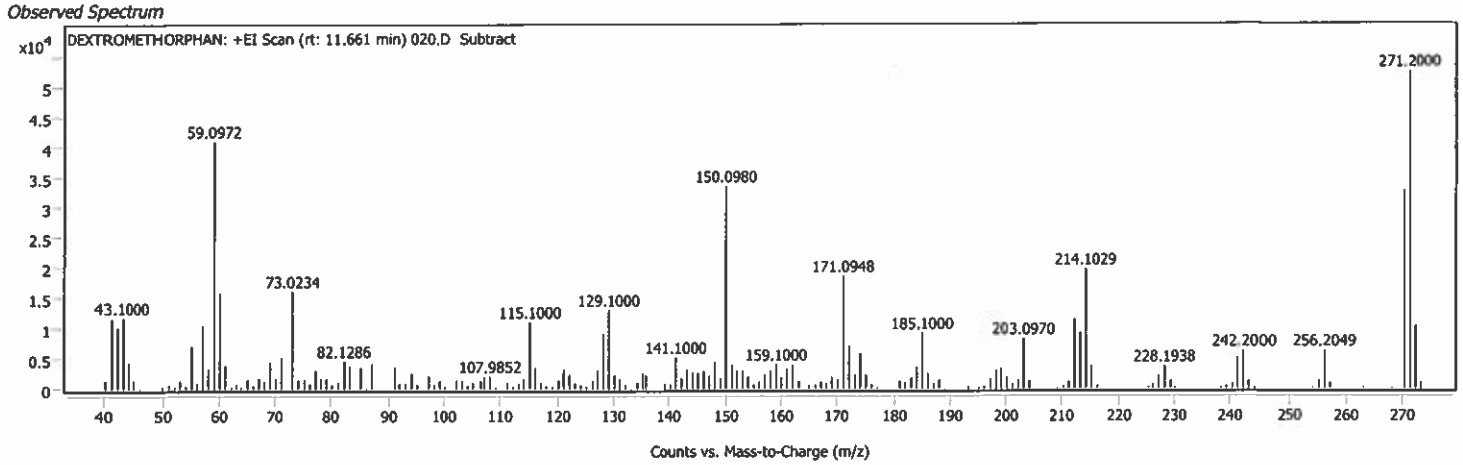
Analysis Report

Agilent

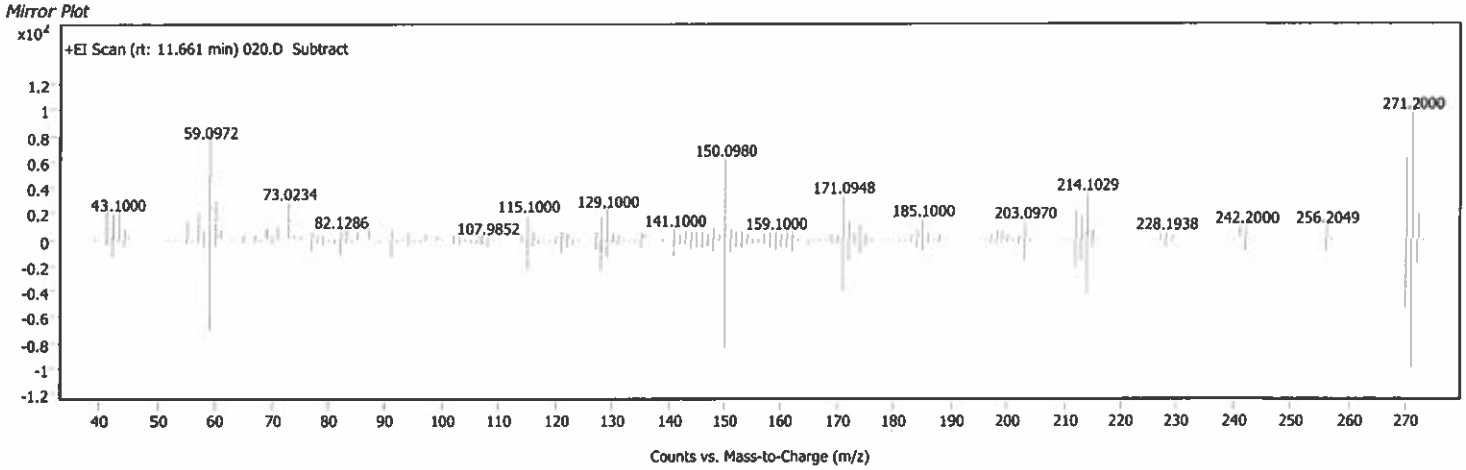
+ Scan (rt: 11.661 min) Sub **DEXTROMETHORPHAN; C18H25NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DEXTROMETHORPHAN	C18H25NO	83.26	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

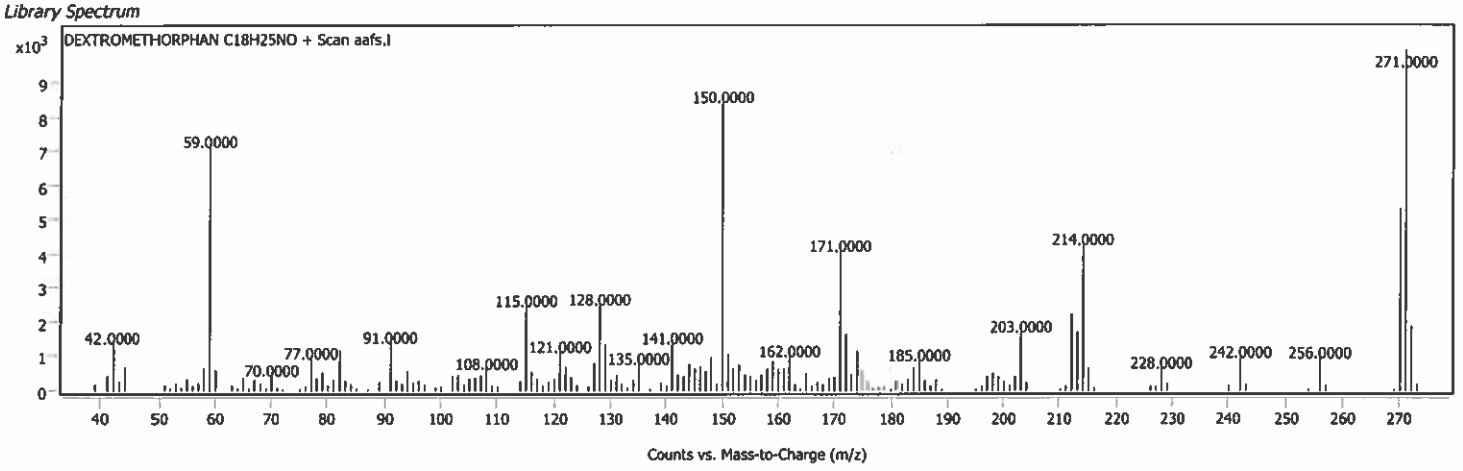
Observed Spectrum



Mirror Plot



Library Spectrum



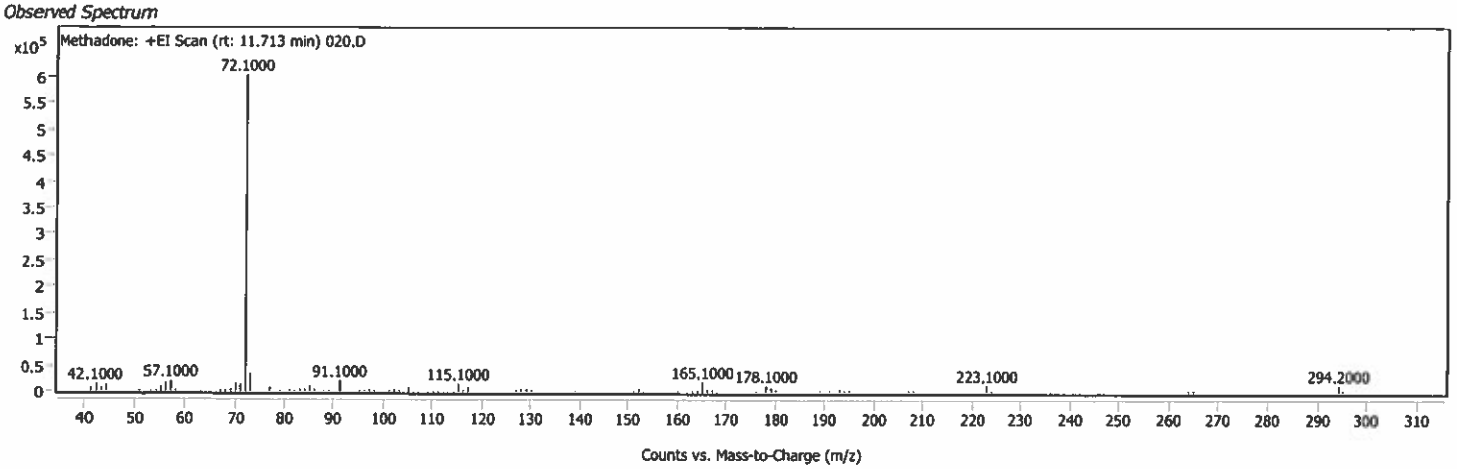
Analysis Report

Agilent

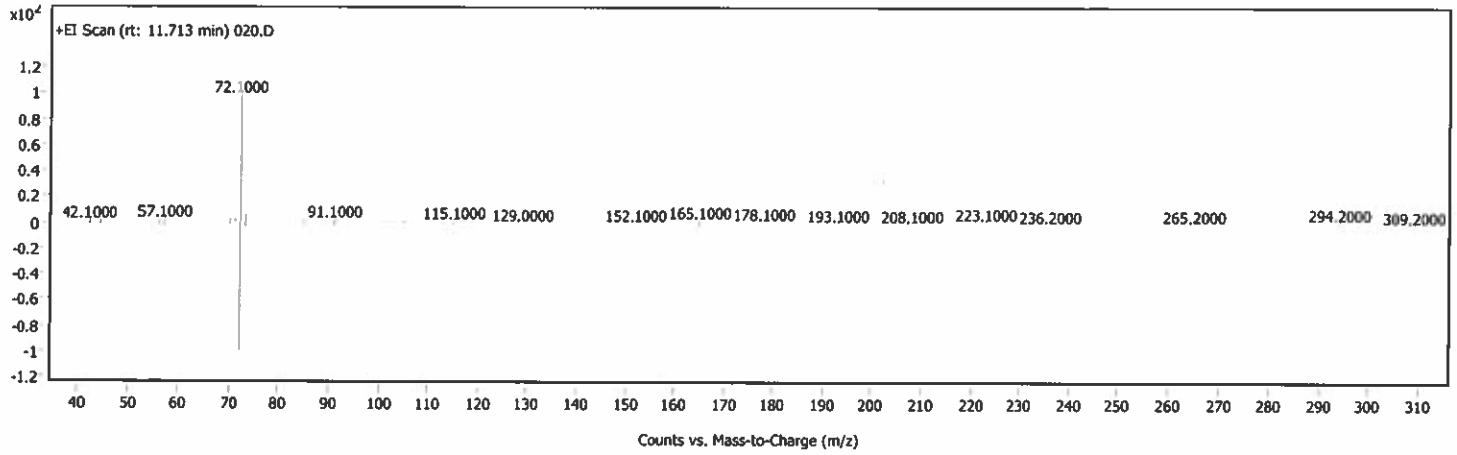
+ Scan (rt: 11.713 min) **Methadone; C21H27NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methadone	C21H27NO	92.81	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

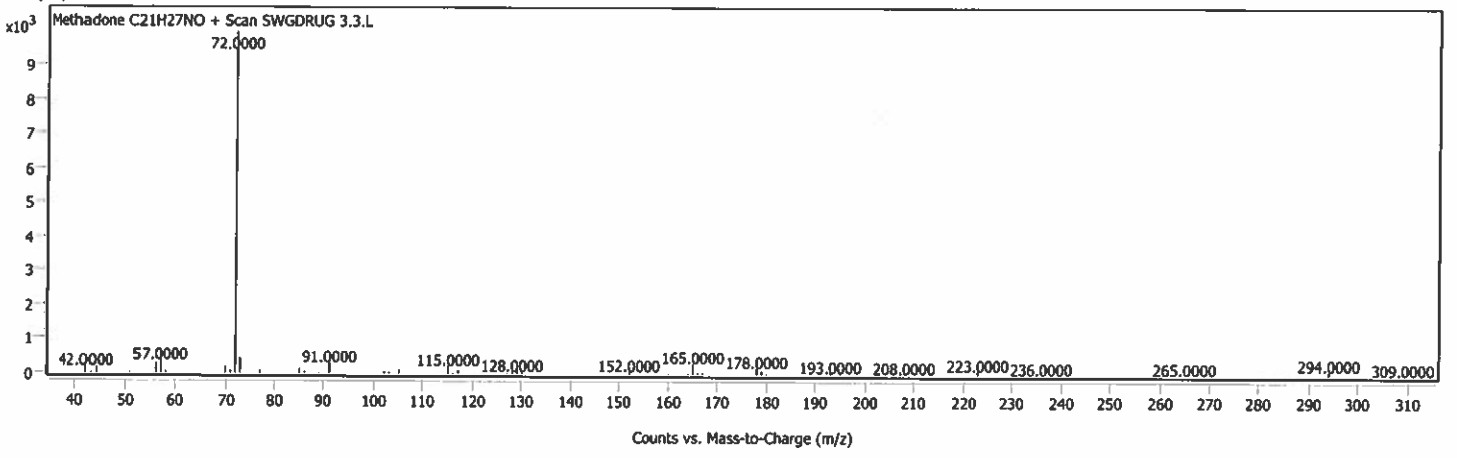
Observed Spectrum



Mirror Plot



Library Spectrum



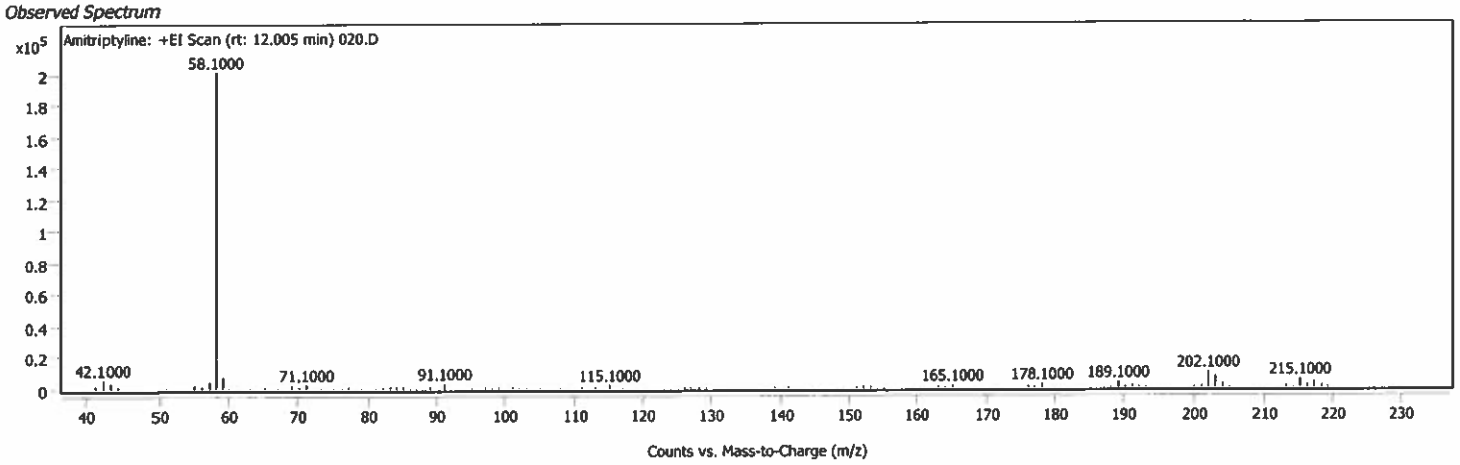
Analysis Report

Agilent

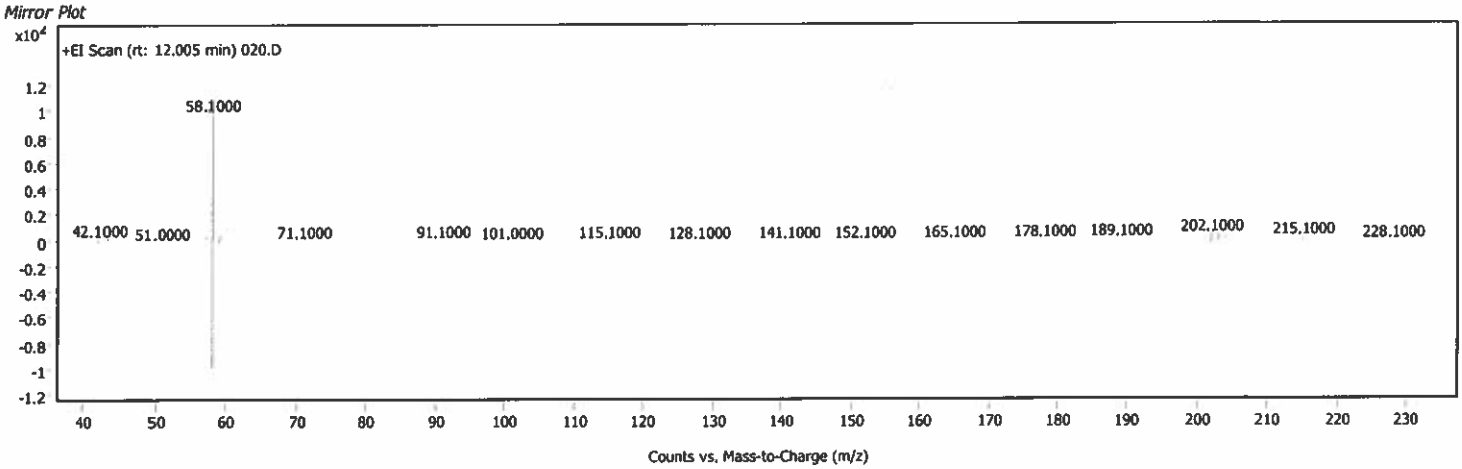
+ Scan (rt: 12.005 min) **Amitriptyline; C20H23N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Amitriptyline	C20H23N	91.90	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

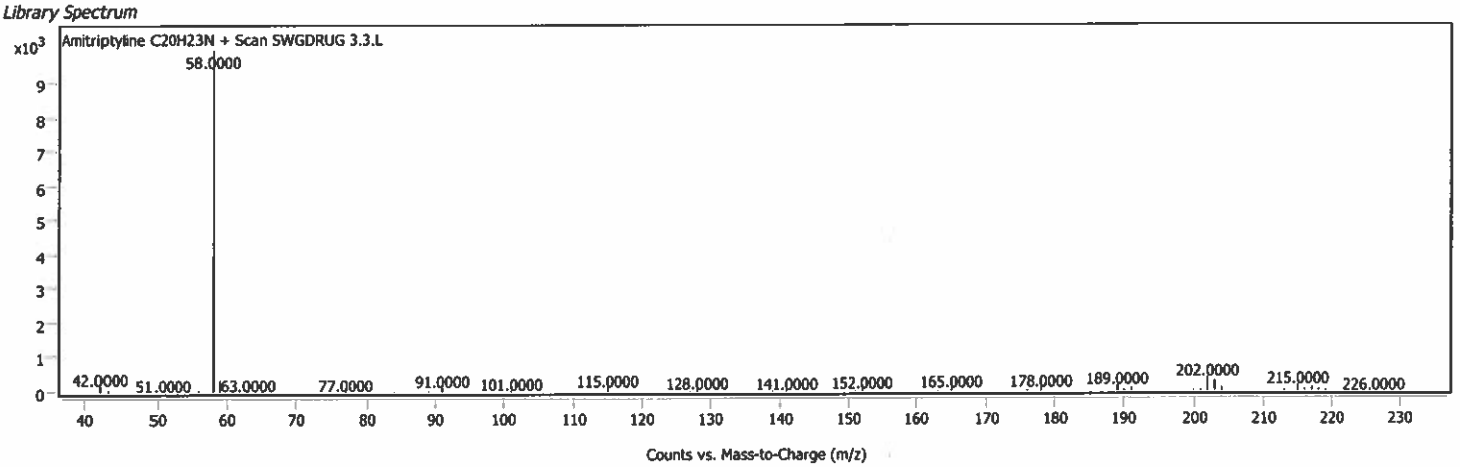
Observed Spectrum



Mirror Plot



Library Spectrum



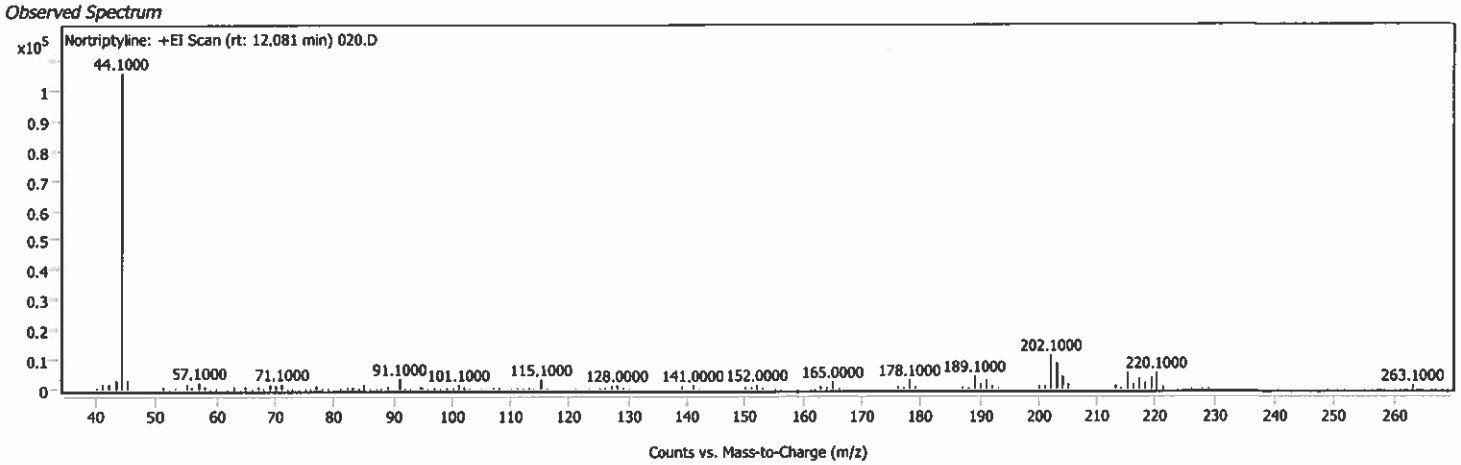
Analysis Report

Agilent

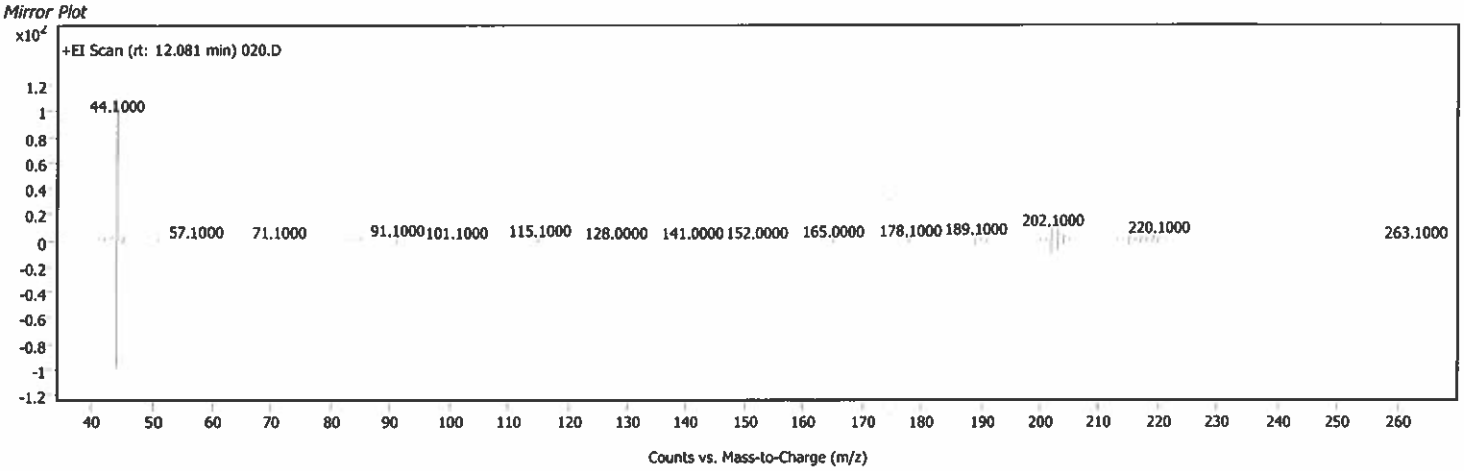
+ Scan (rt: 12.081 min) **Nortriptyline; C19H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Nortriptyline	C19H21N	92.68	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

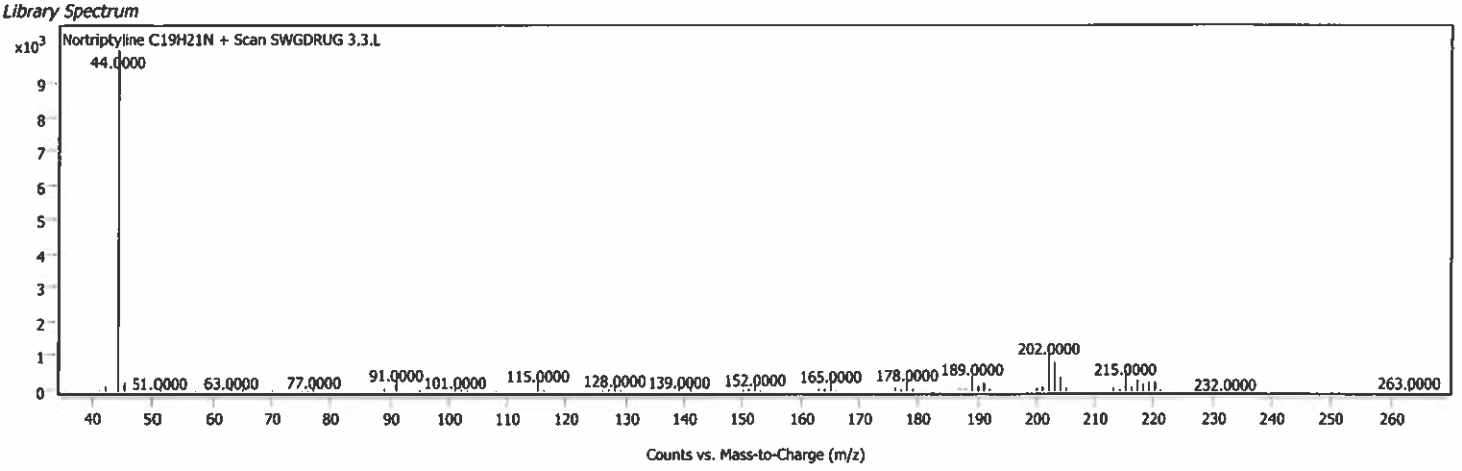
Observed Spectrum



Mirror Plot



Library Spectrum



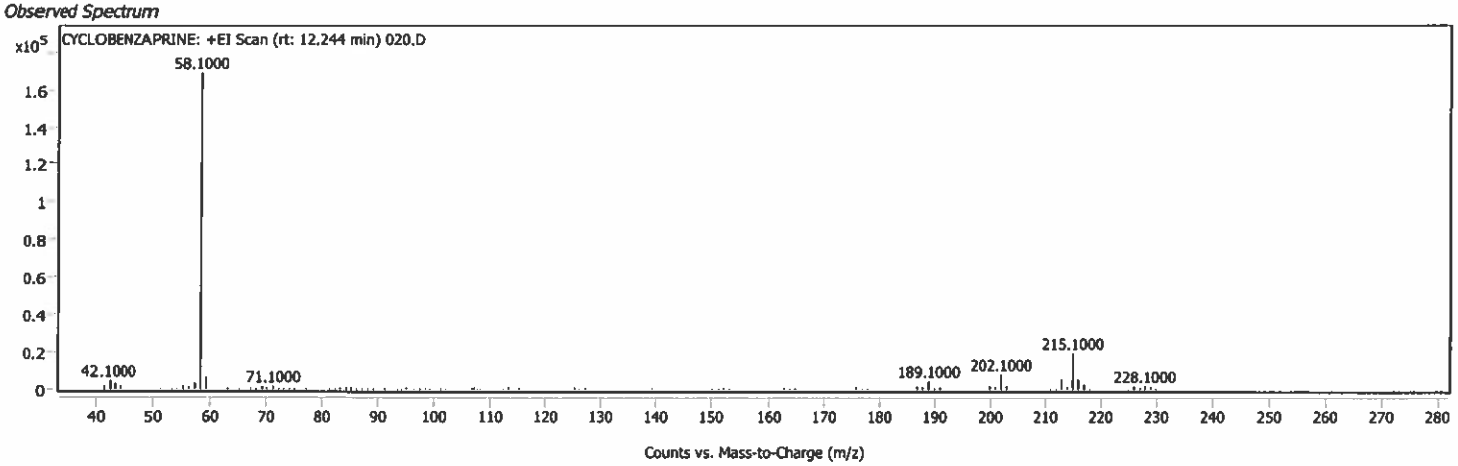
Analysis Report

Agilent

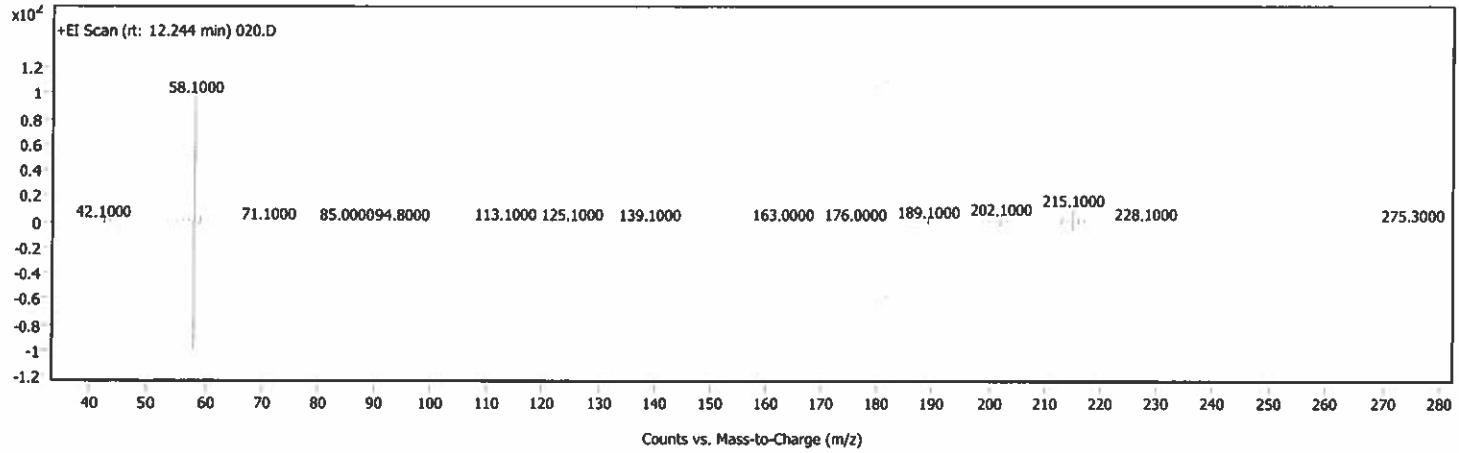
+ Scan (rt: 12.244 min) **CYCLOBENZAPRINE; C20H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CYCLOBENZAPRINE	C20H21N	91.06	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

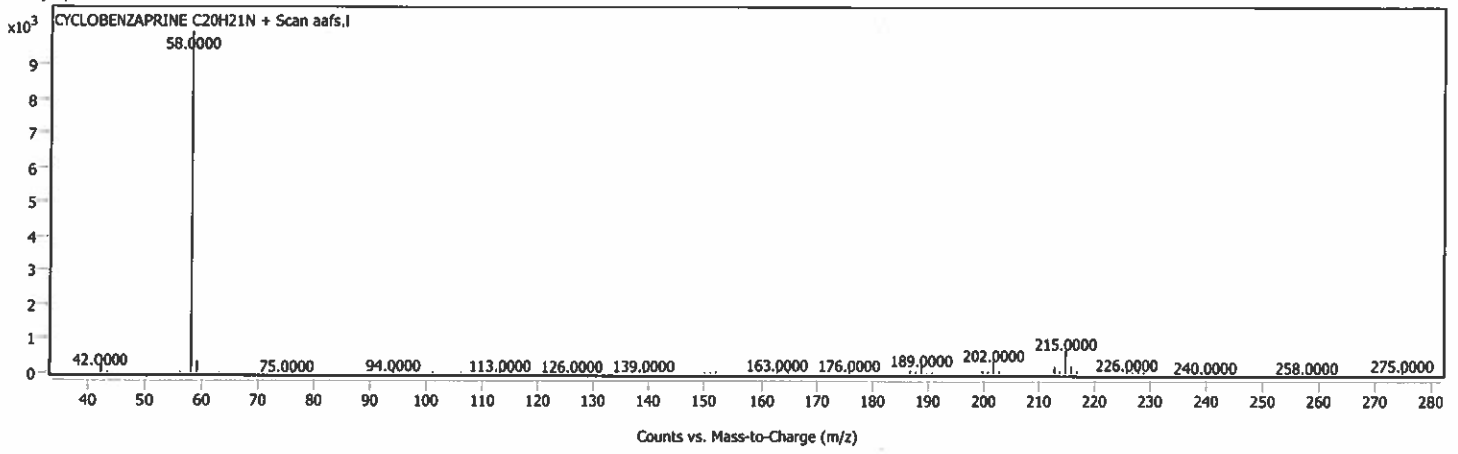
Observed Spectrum



Mirror Plot



Library Spectrum



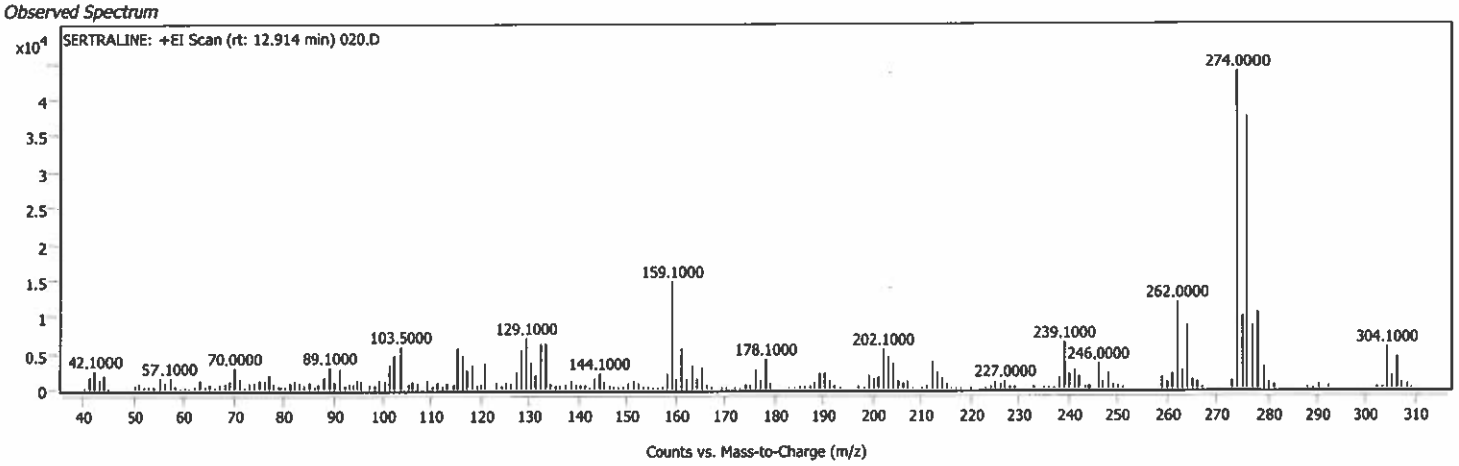
Analysis Report

Agilent

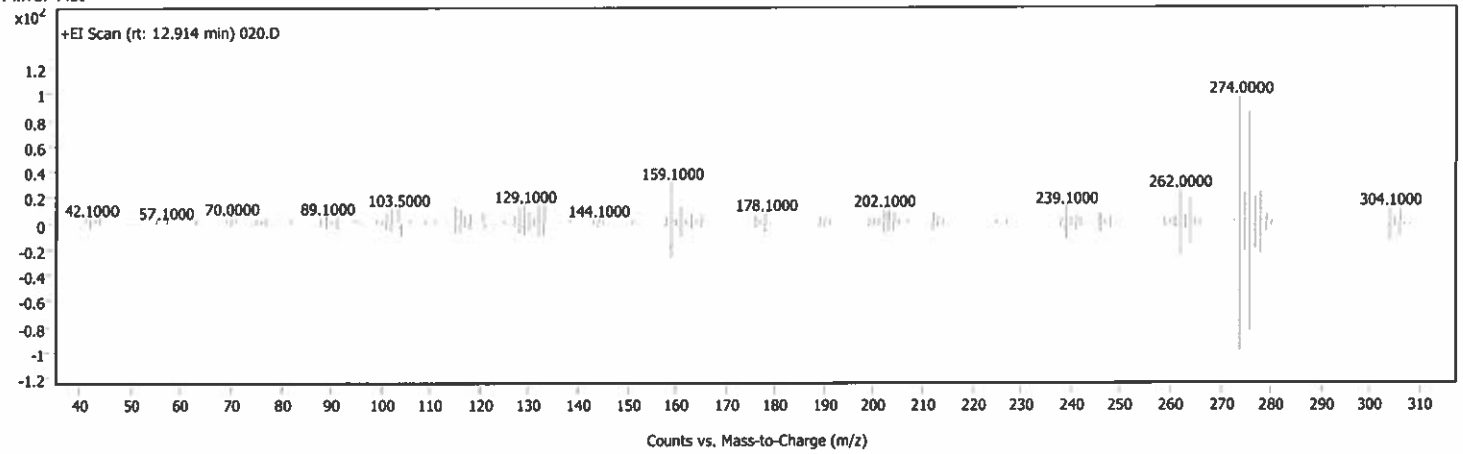
+ Scan (rt: 12.914 min) **SERTRALINE; C17H17Cl2N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
SERTRALINE	C17H17Cl2N	90.27	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

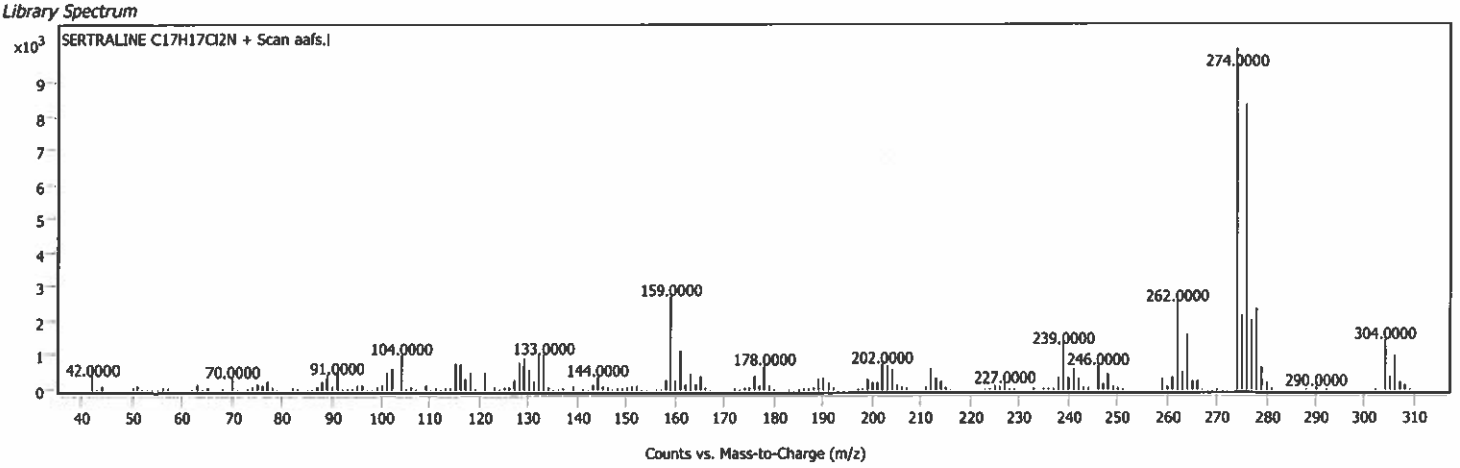
Observed Spectrum



Mirror Plot



Library Spectrum



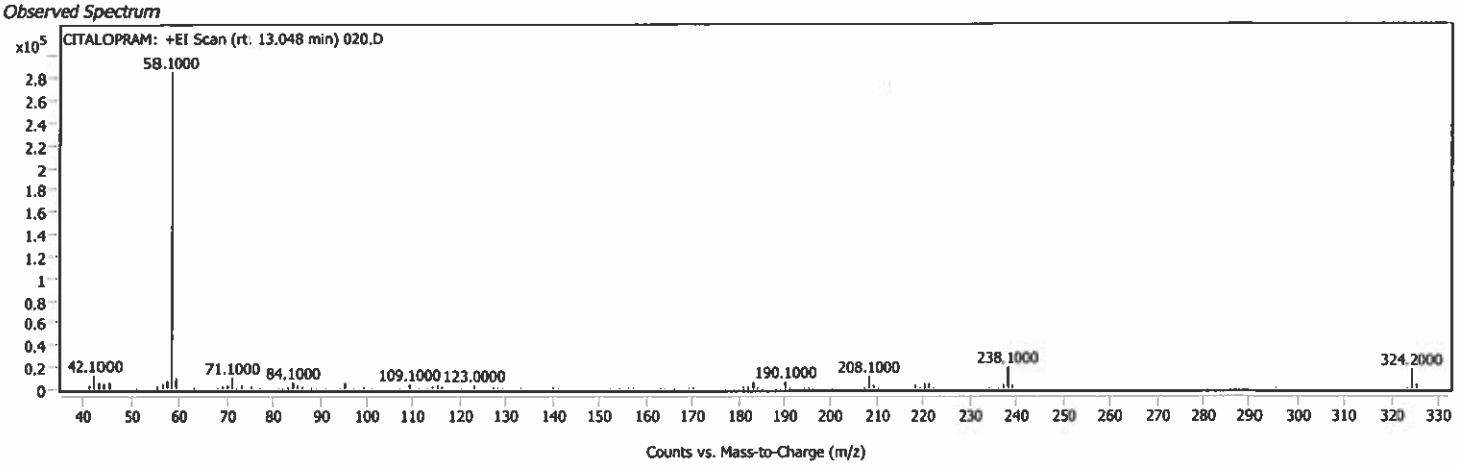
Analysis Report

Agilent

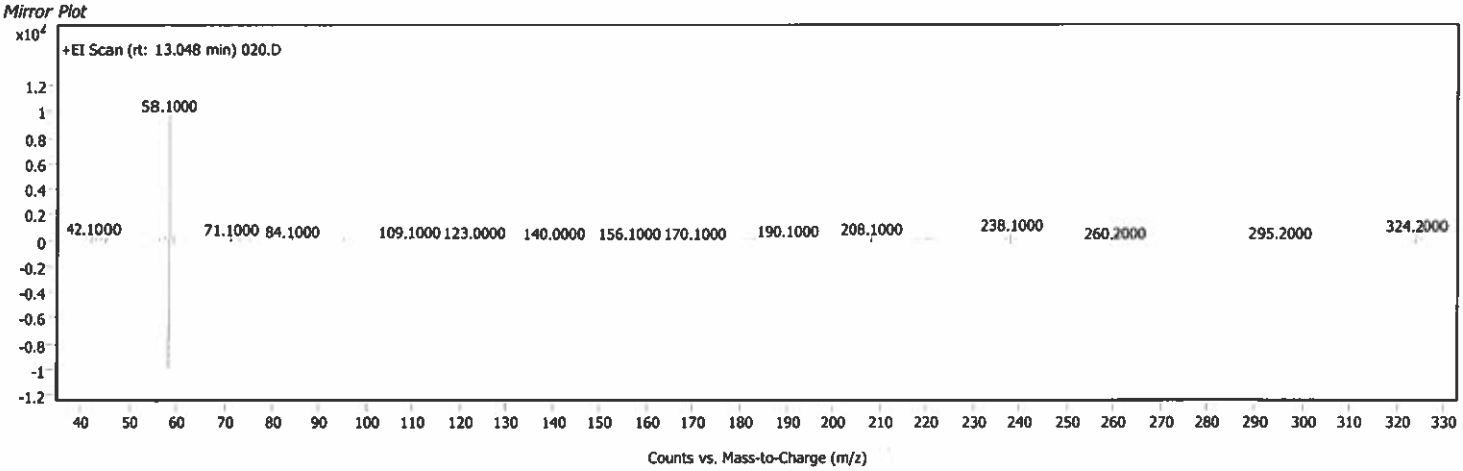
+ Scan (rt: 13.048 min) **CITALOPRAM; C20H21FN2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CITALOPRAM	C20H21FN2O	93.49	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

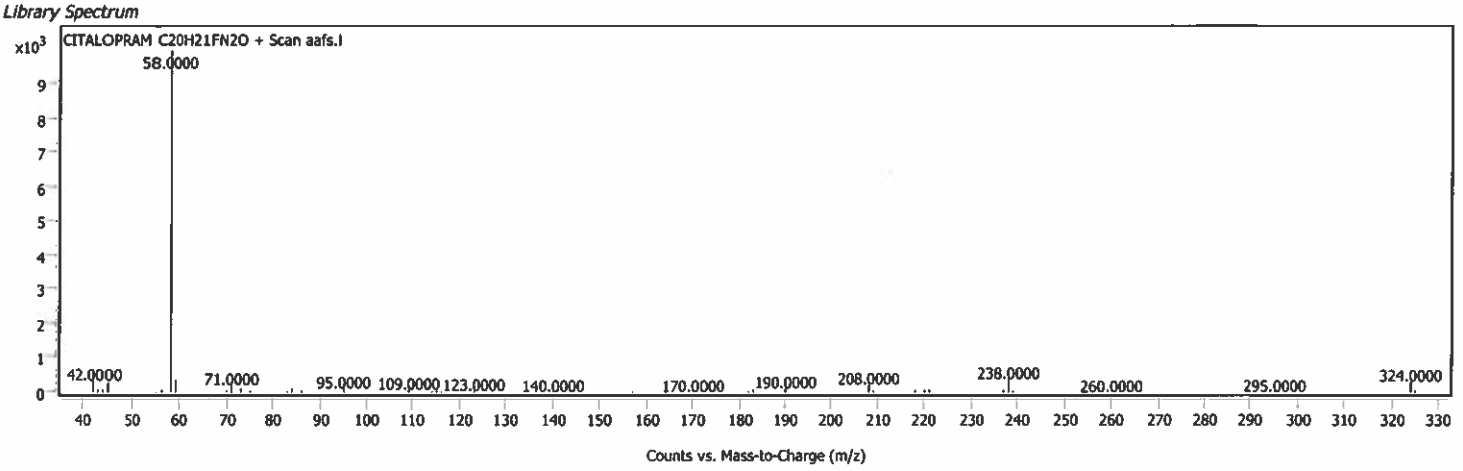
Observed Spectrum



Mirror Plot



Library Spectrum



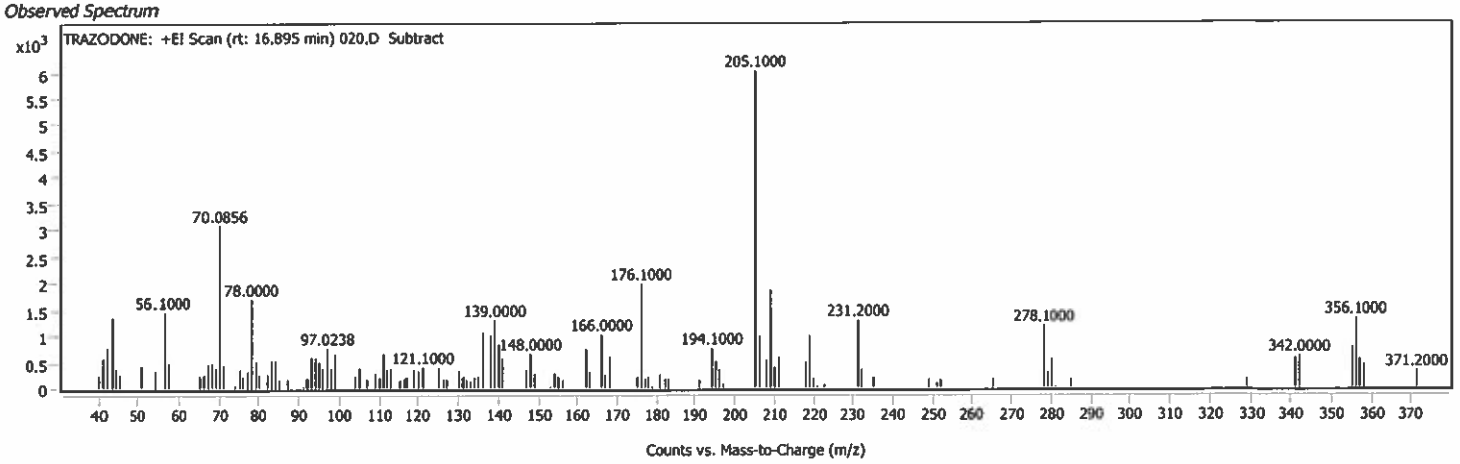
Analysis Report

Agilent

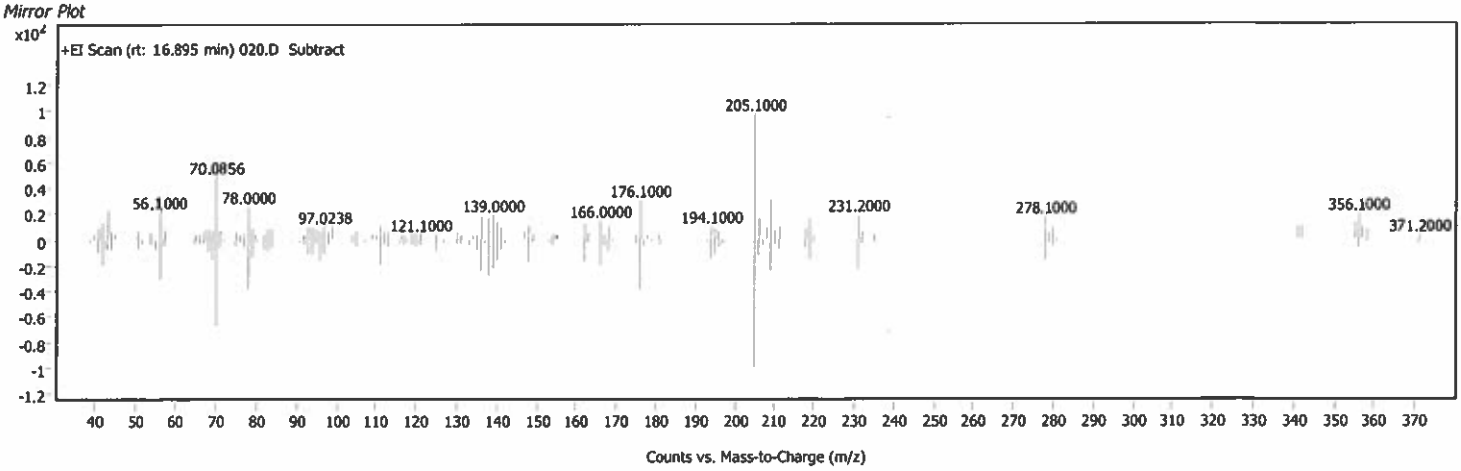
+ Scan (rt: 16.895 min) Sub **TRAZODONE**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
TRAZODONE		82.12	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

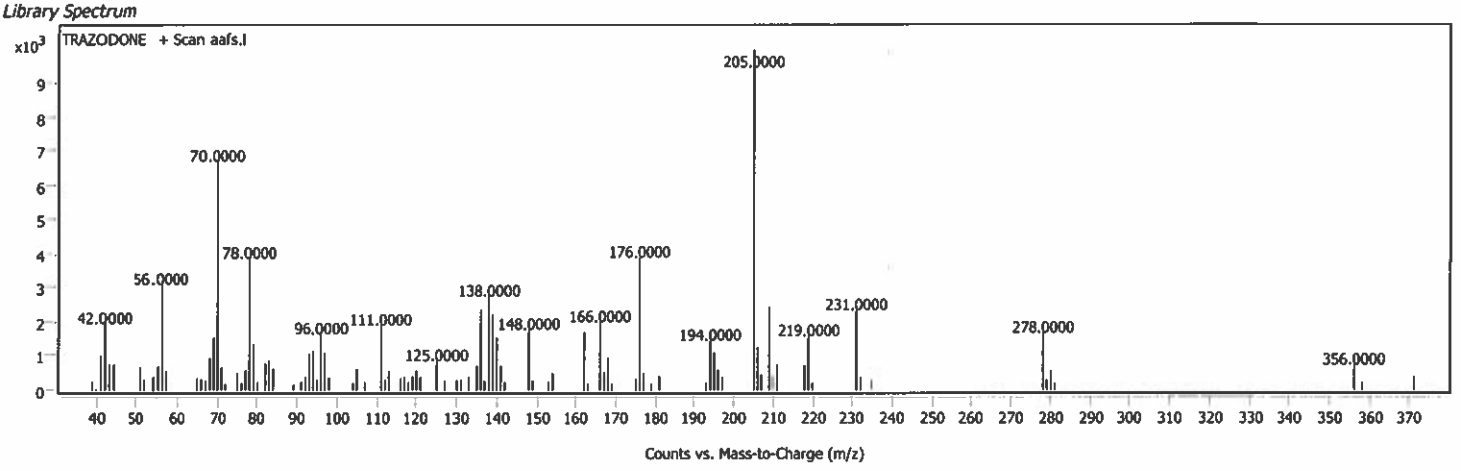
Observed Spectrum



Mirror Plot

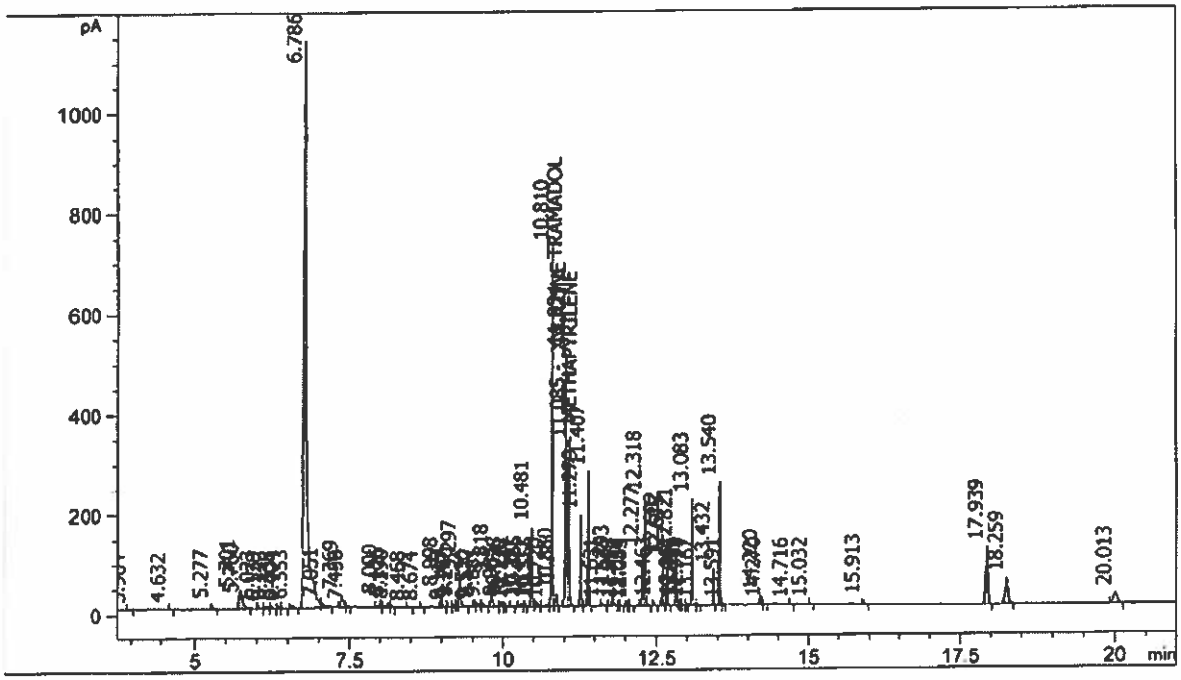


Library Spectrum



Injection Date: 9/29/2021 1:55:08 AM Seq Line: 31
Sample Name: MATRIX 10 W/ 0.1mg/L -> Vial 32
Sample Info: cal + xylazine
KM 11/17/22

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION

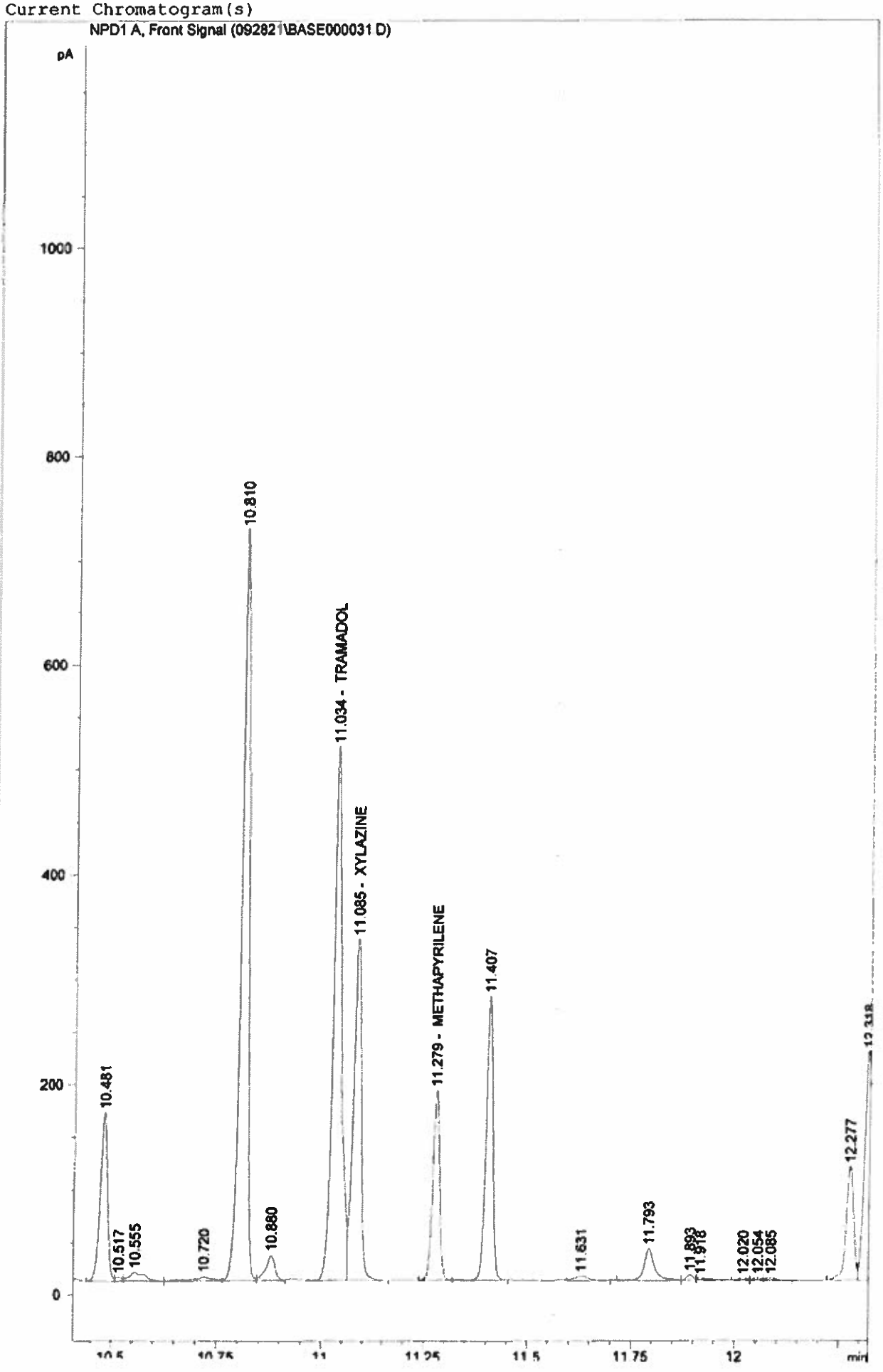


see expanded chromatogram on following page

RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.034	11.033	717.094	508.150	0.000000	TRAMADOL RRT - 0.9783
11.085	11.046	429.555	324.796	0.000000	XYLAZINE RRT - 0.9828
11.279	11.278	207.807	180.817	1.000000	METHAPYRILENE

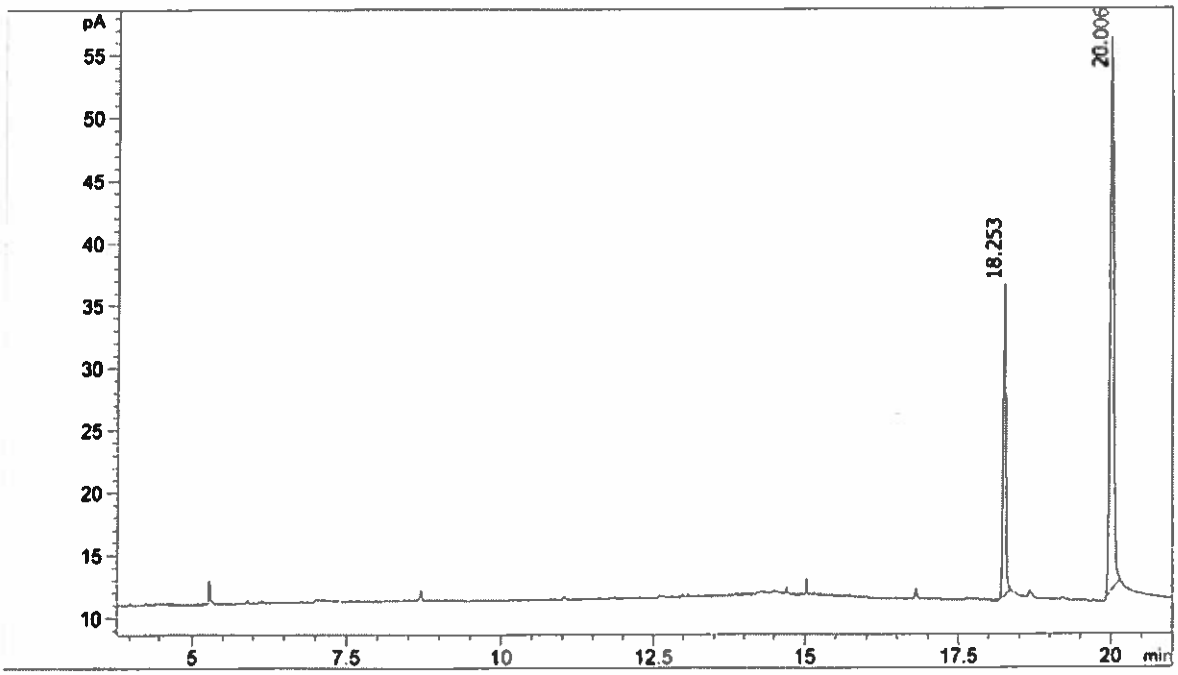
LVR not used in avg of RRTs

Current Chromatogram(s)



Injection Date: 9/29/2021 2:19:25 AM Seq Line: 32
Sample Name: SOLVENT BLANK 2 Vial 33
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

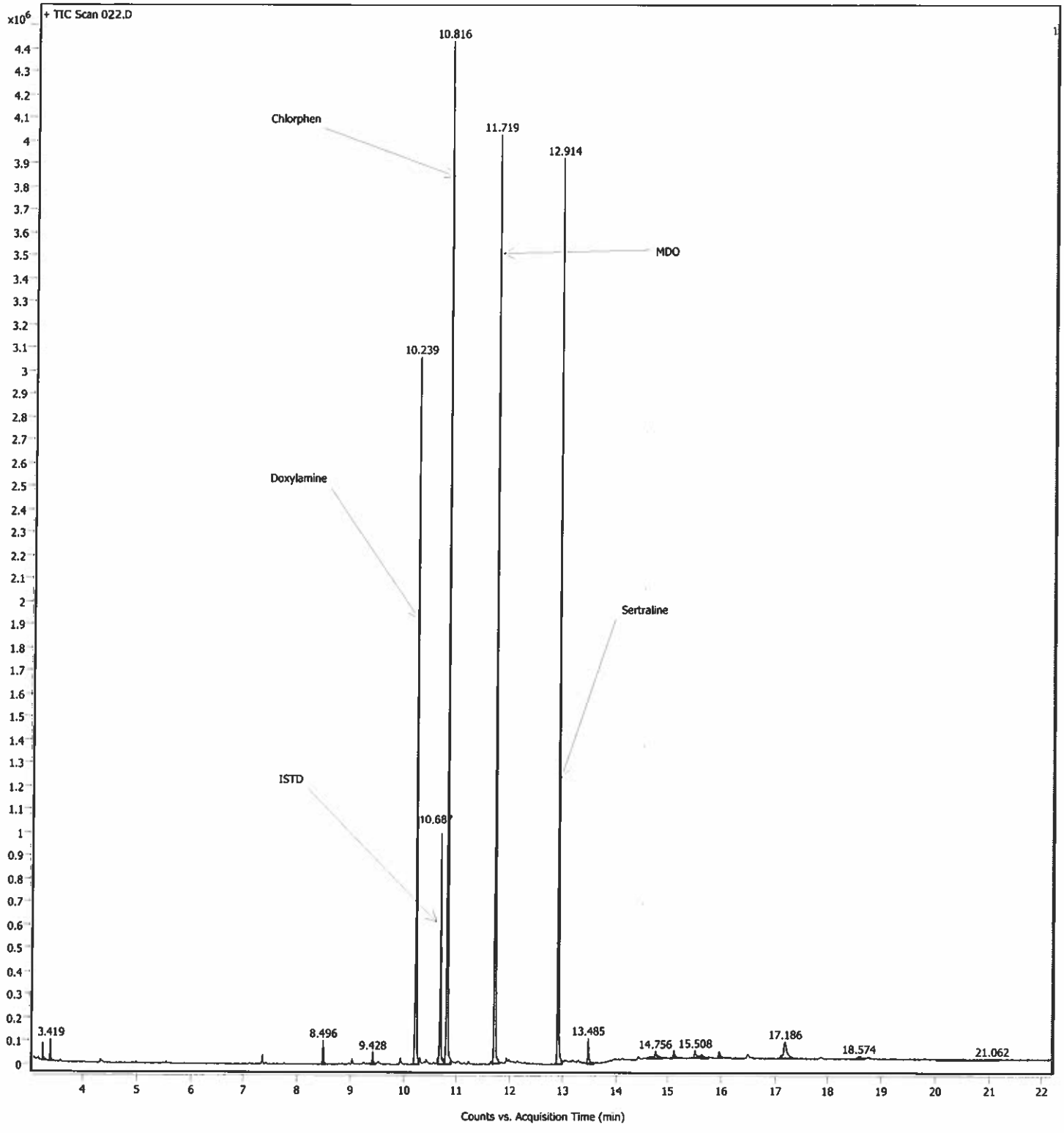
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2 W/ IH CTL - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\022.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 11:08:49 PM (UTC-04:00)
Position	49	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

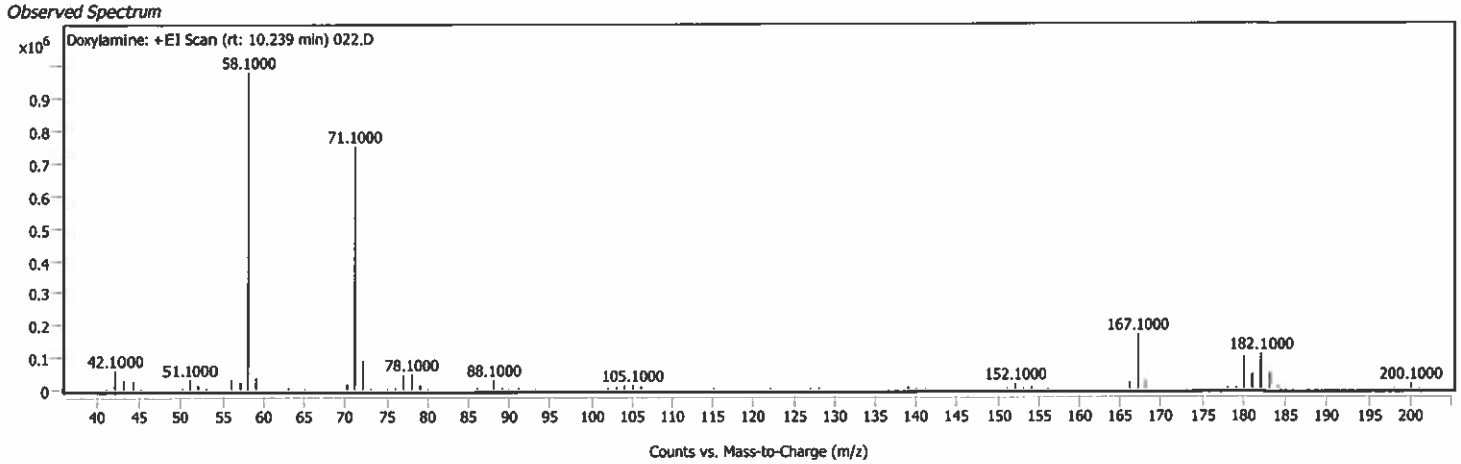
Agilent

Sample Spectra

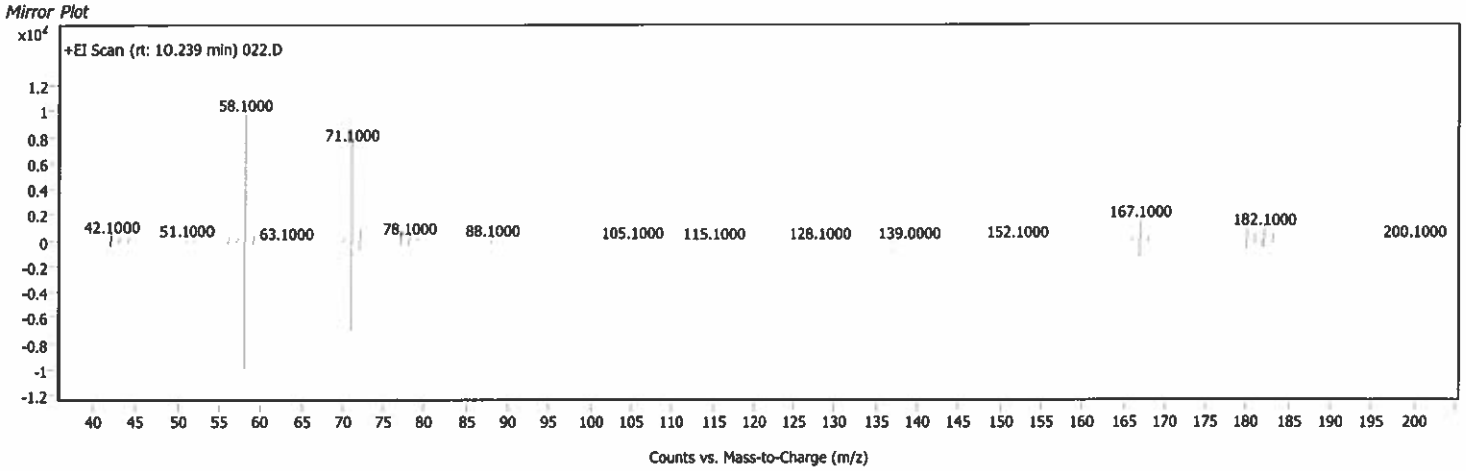
+ Scan (rt: 10.239 min) **Doxylamine; C17H22N2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Doxylamine	C17H22N2O	98.79	SWGDRUG 3.3.L	MATRIX 2 W/ IH CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

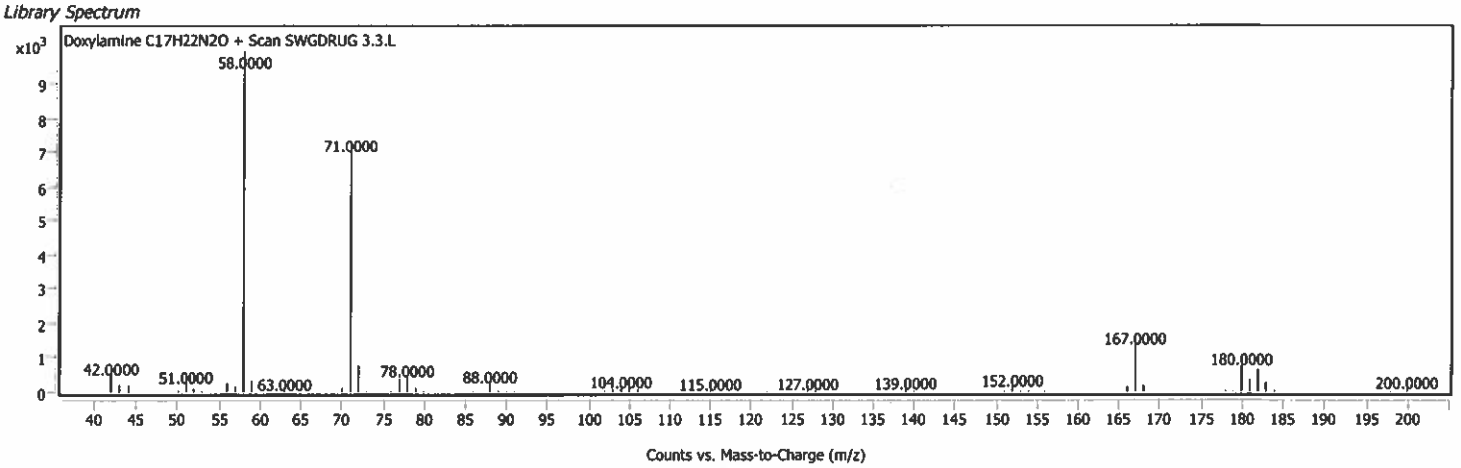
Observed Spectrum



Mirror Plot



Library Spectrum



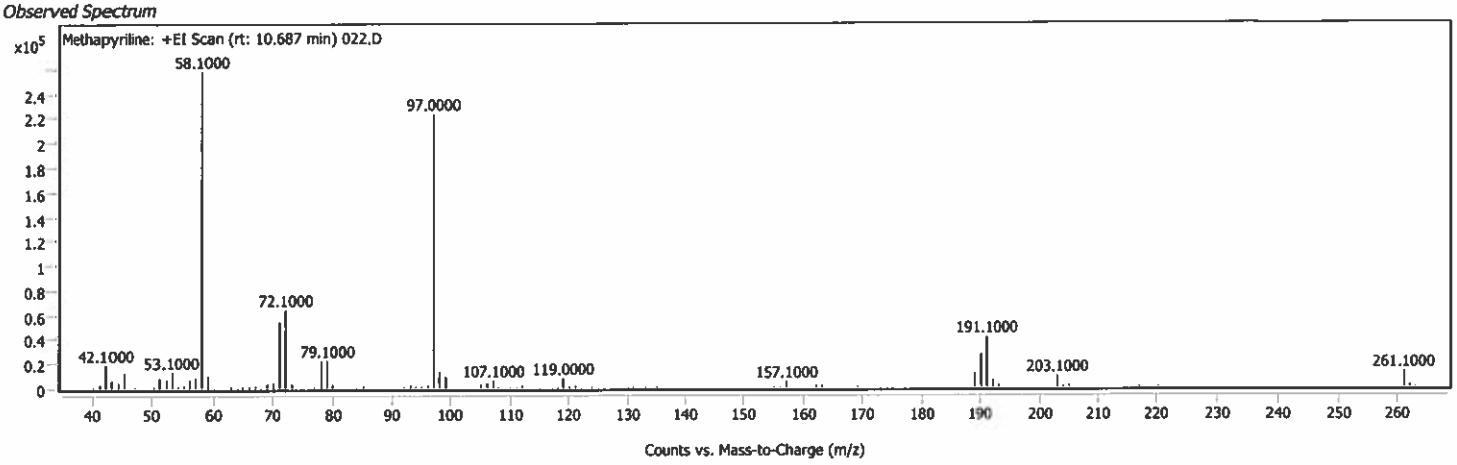
Analysis Report

Agilent

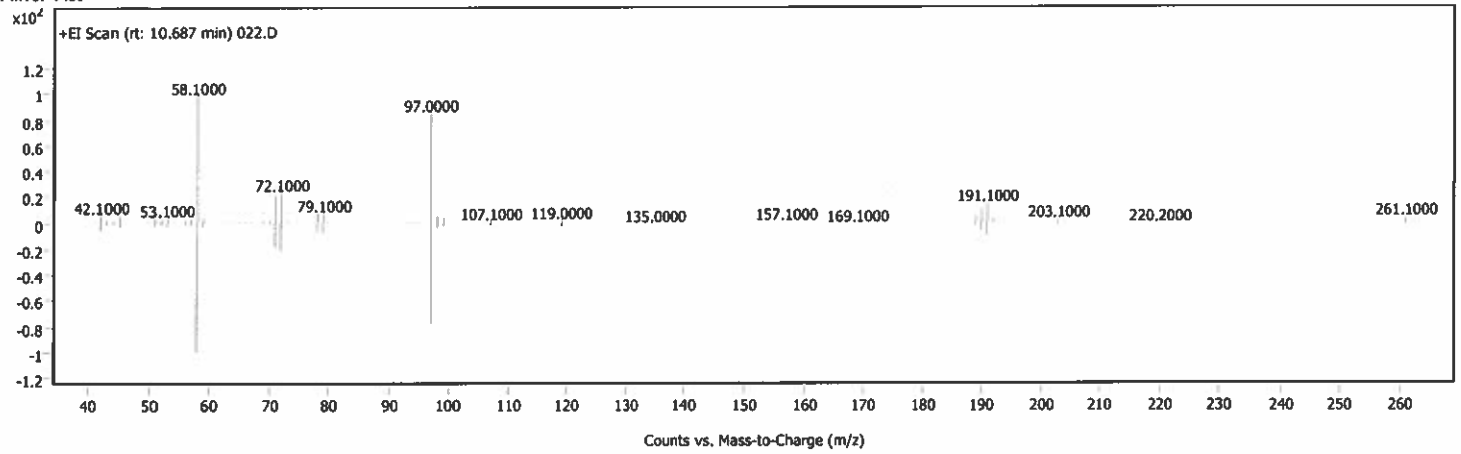
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.26	SWGDRUG 3.3.L	MATRIX 2 W/ IH CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

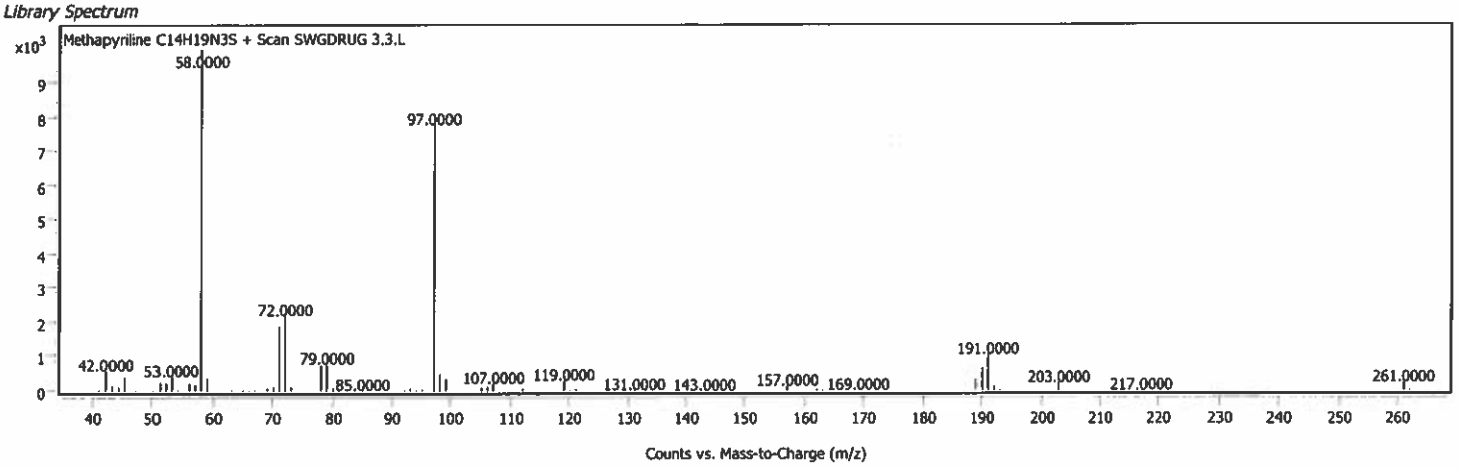
Observed Spectrum



Mirror Plot



Library Spectrum



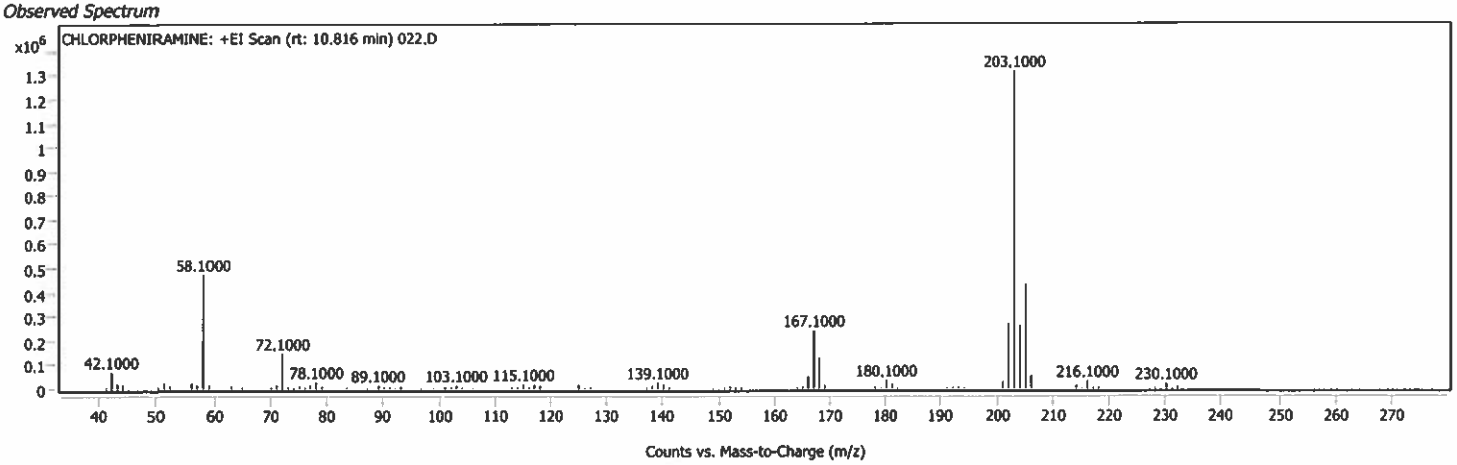
Analysis Report

Agilent

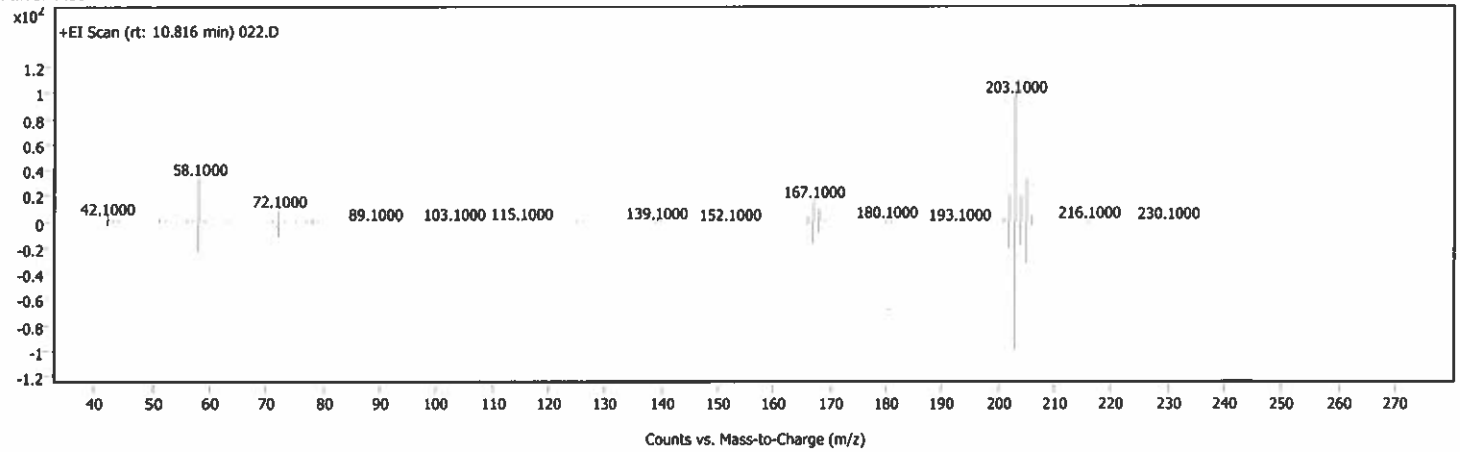
+ Scan (rt: 10.816 min) **CHLORPHENIRAMINE; C16H19ClN2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CHLORPHENIRAMINE	C16H19ClN2	99.01	aafs.l	MATRIX 2 W/ IH CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

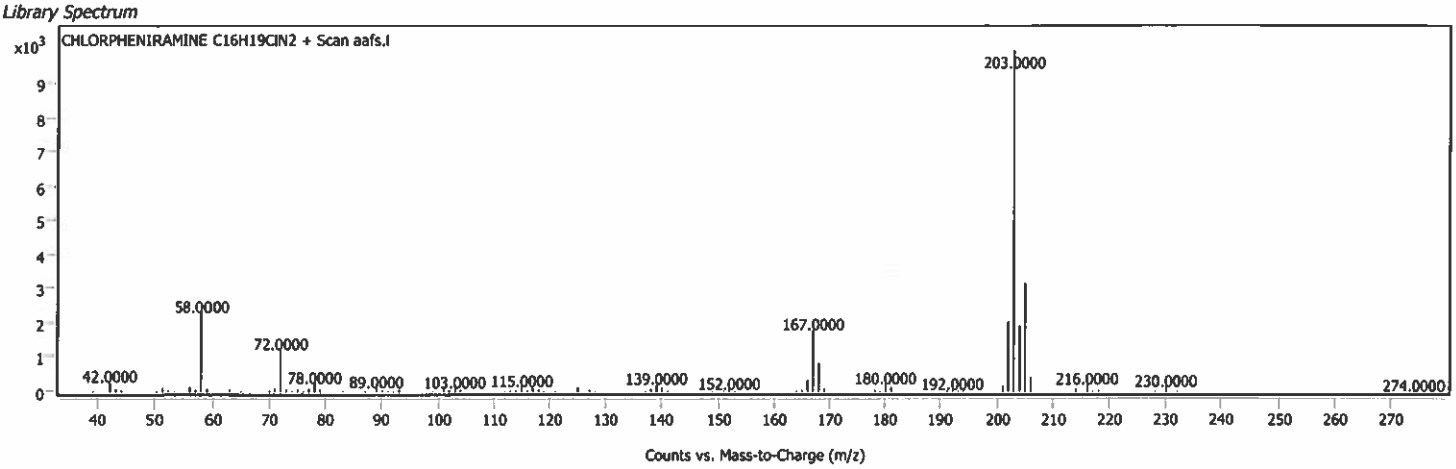
Observed Spectrum



Mirror Plot



Library Spectrum



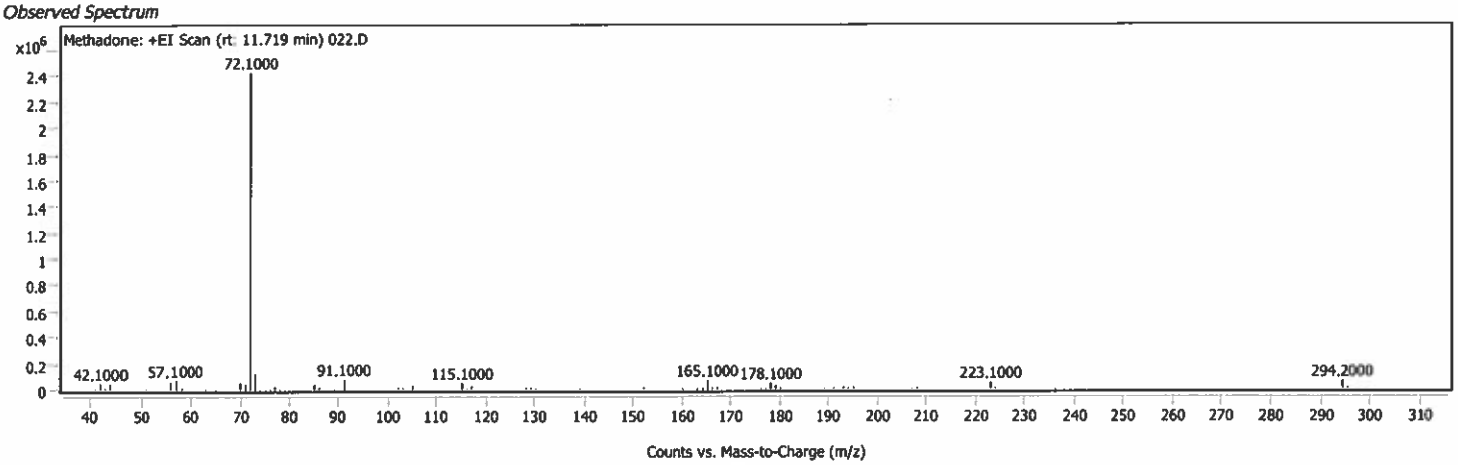
Analysis Report

Agilent

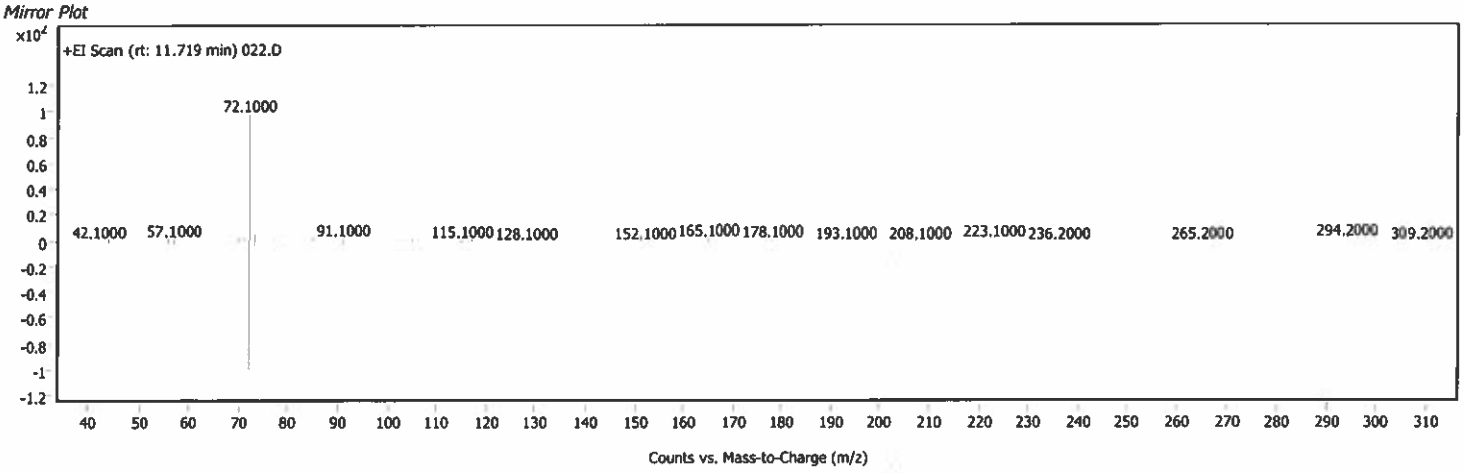
+ Scan (rt: 11.719 min) **Methadone; C21H27NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methadone	C21H27NO	97.27	SWGDRUG 3.3.L	MATRIX 2 W/ IH CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

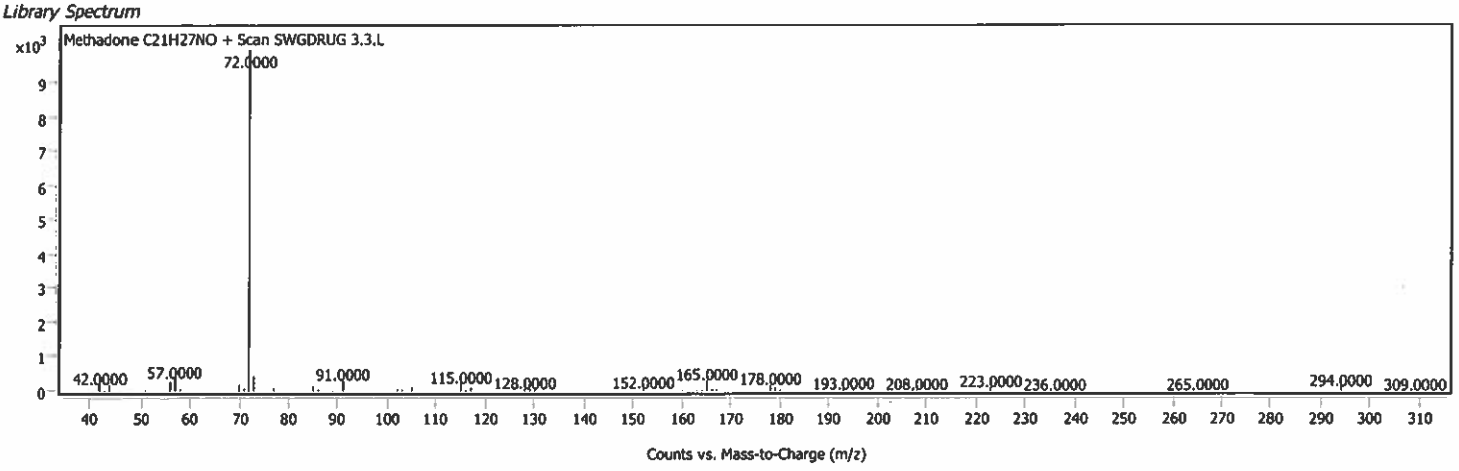
Observed Spectrum



Mirror Plot



Library Spectrum



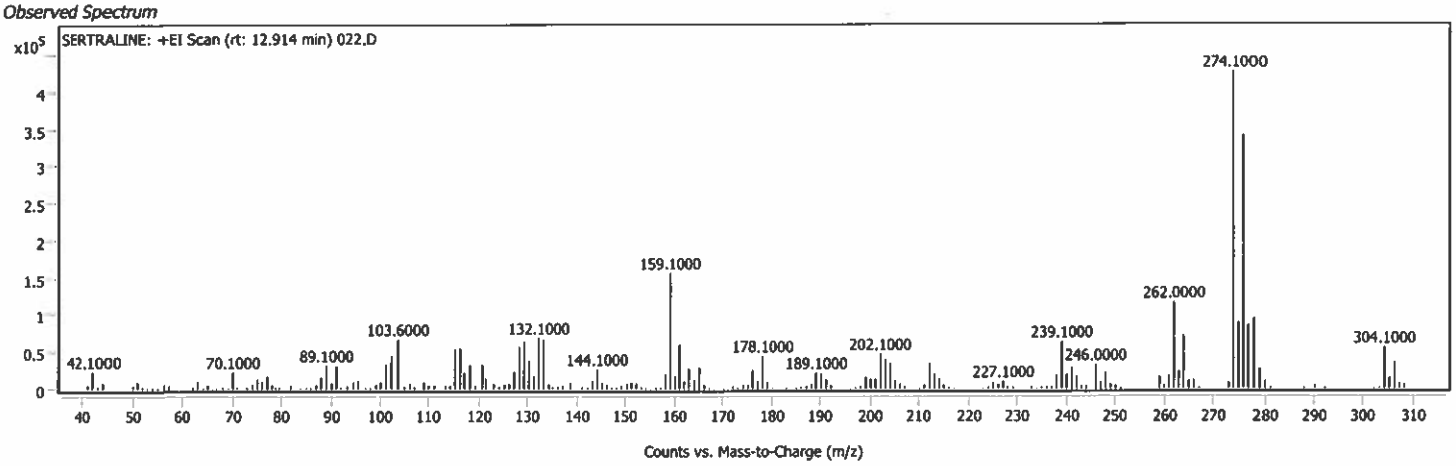
Analysis Report

Agilent

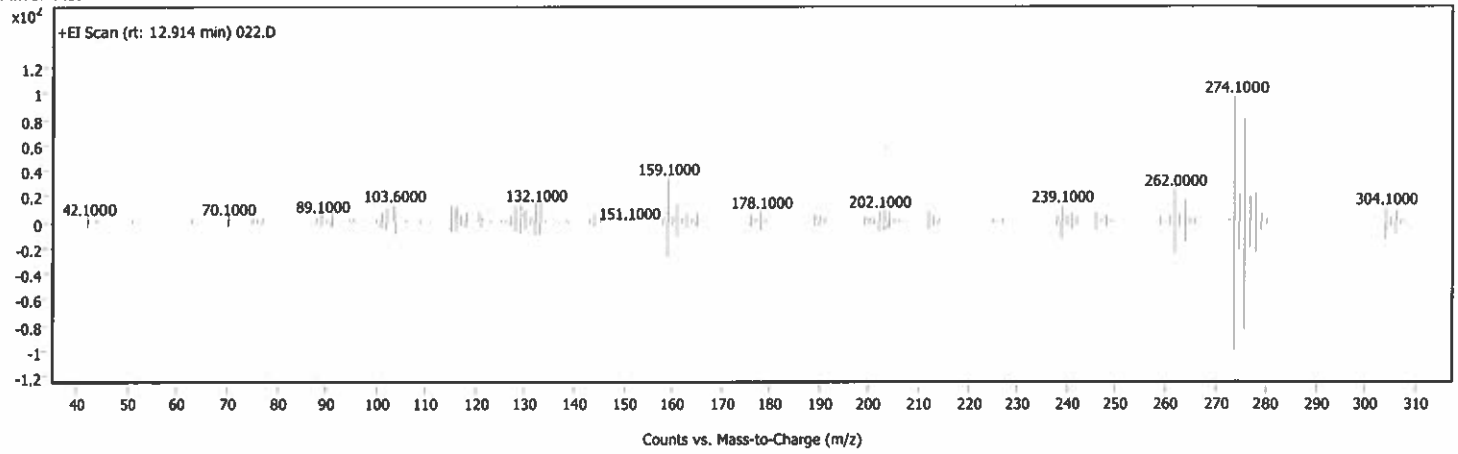
+ Scan (rt: 12.914 min) **SERTRALINE; C17H17Cl2N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
SERTRALINE	C17H17Cl2N	91.98	aafs.l	MATRIX 2 W/ IH CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

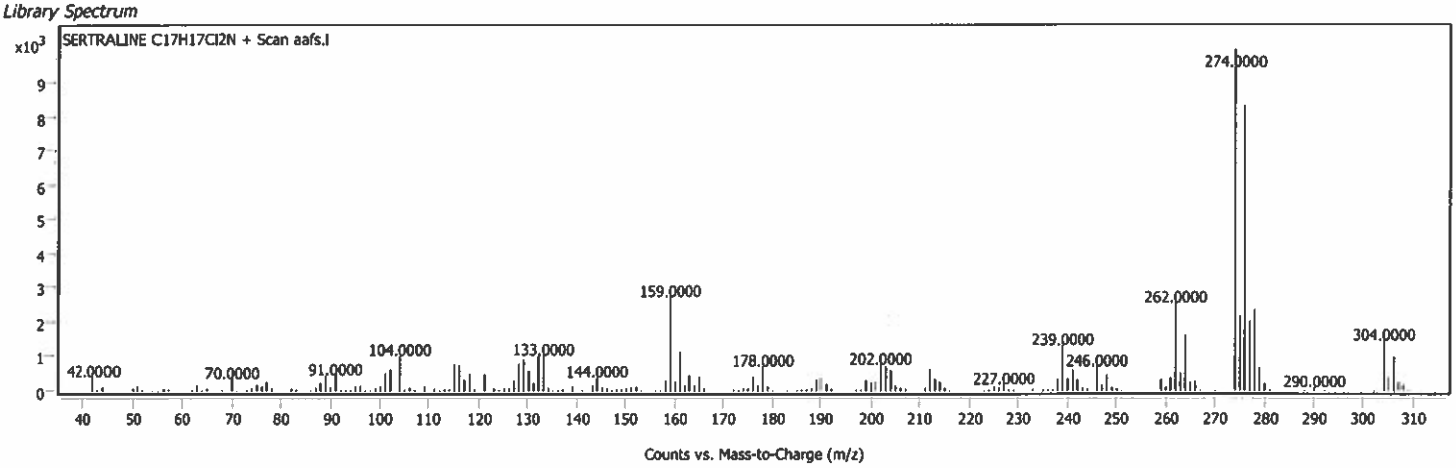
Observed Spectrum



Mirror Plot

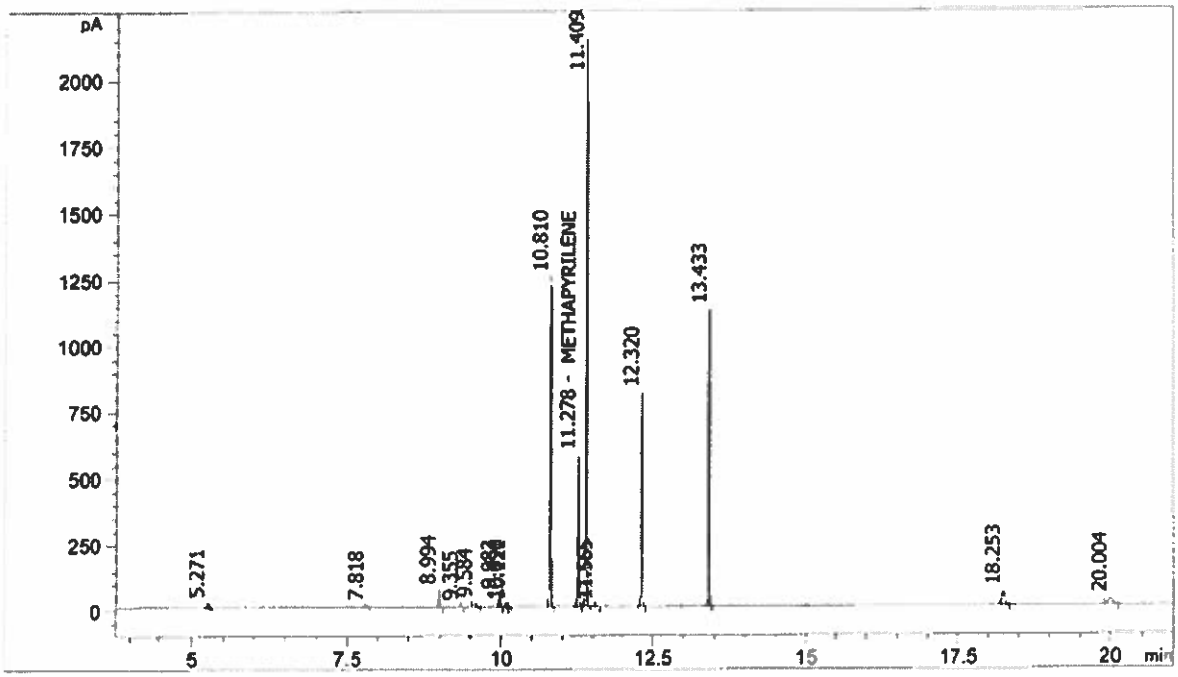


Library Spectrum



Injection Date: 9/28/2021 11:04:42 PM Seq Line: 24
Sample Name: MATRIX 2 W/ IH CTL - -> Vial 25
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
11.278	11.278	654.601	569.257	1.000000	METHAPYRILENE

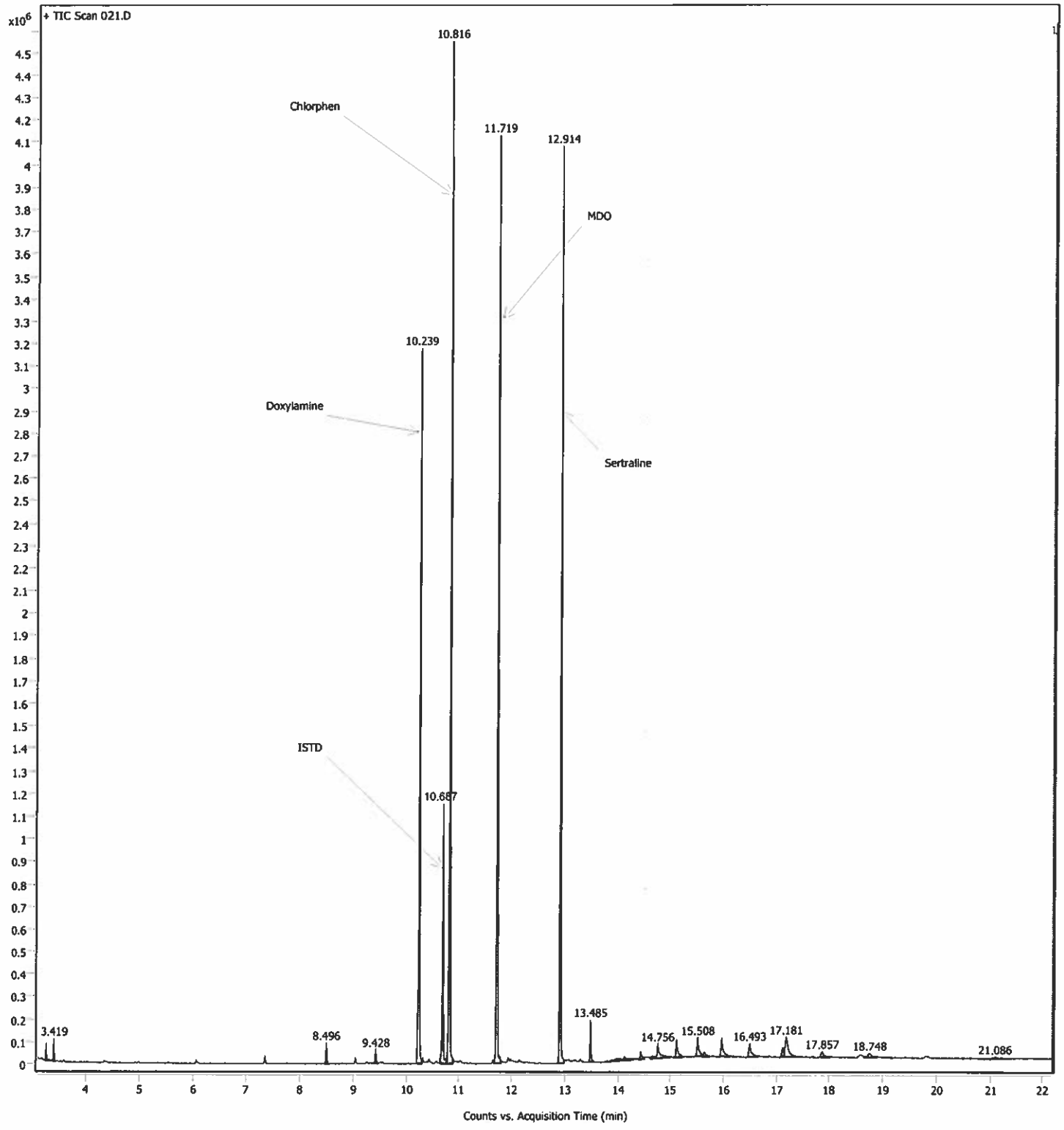
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 W/ IH CTL - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\021.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 10:43:02 PM (UTC-04:00)
Position	48	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

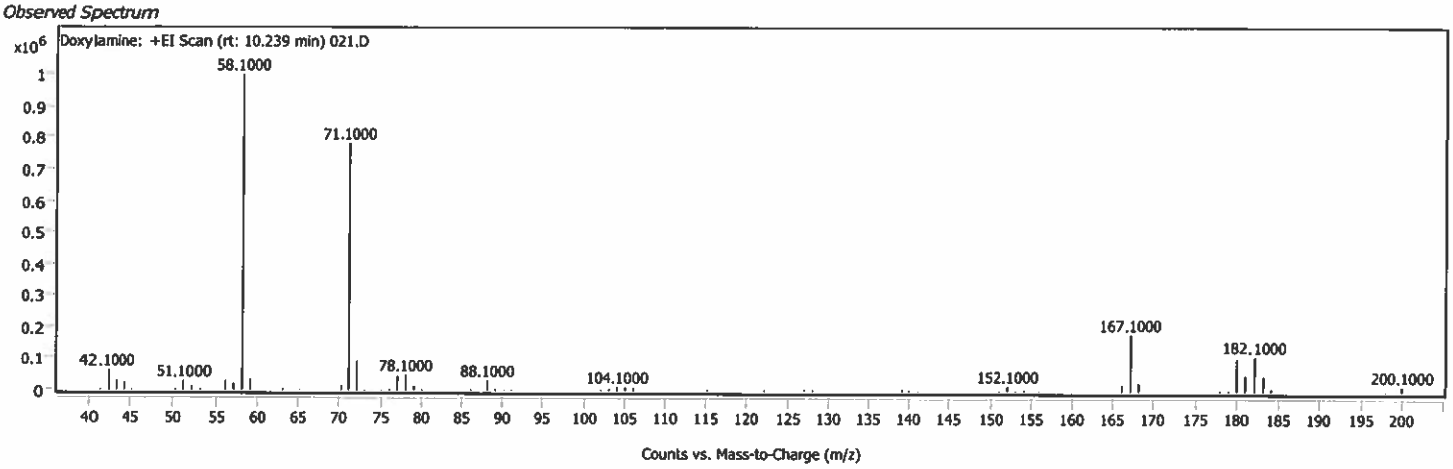
Agilent

Sample Spectra

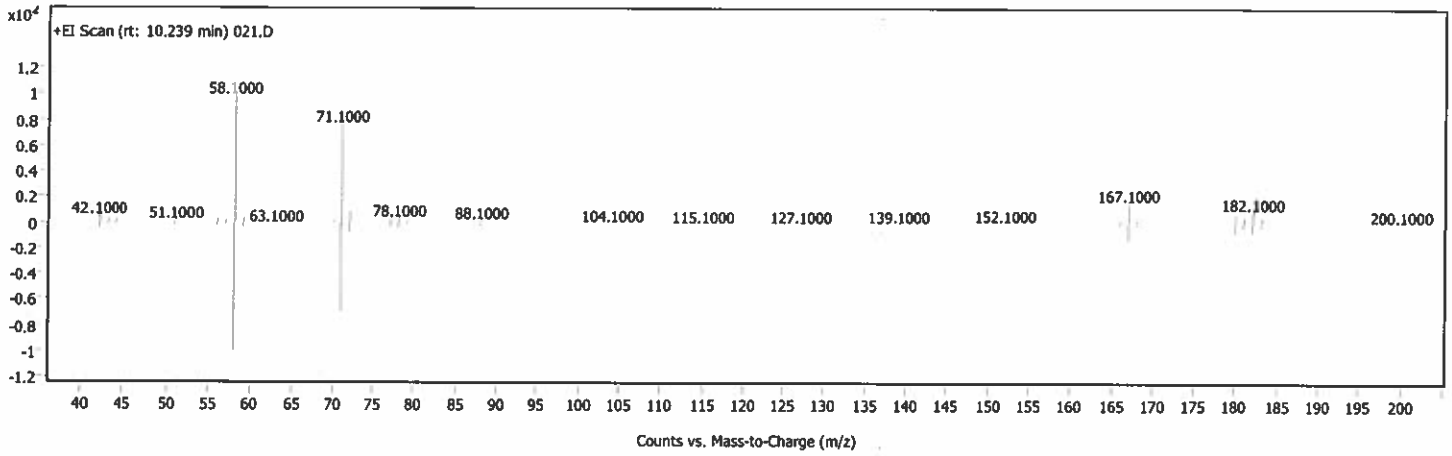
+ Scan (rt: 10.239 min) **Doxylamine; C17H22N2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Doxylamine	C17H22N2O	98.91	SWGDRUG 3.3.L	MATRIX 1 W/ IH CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

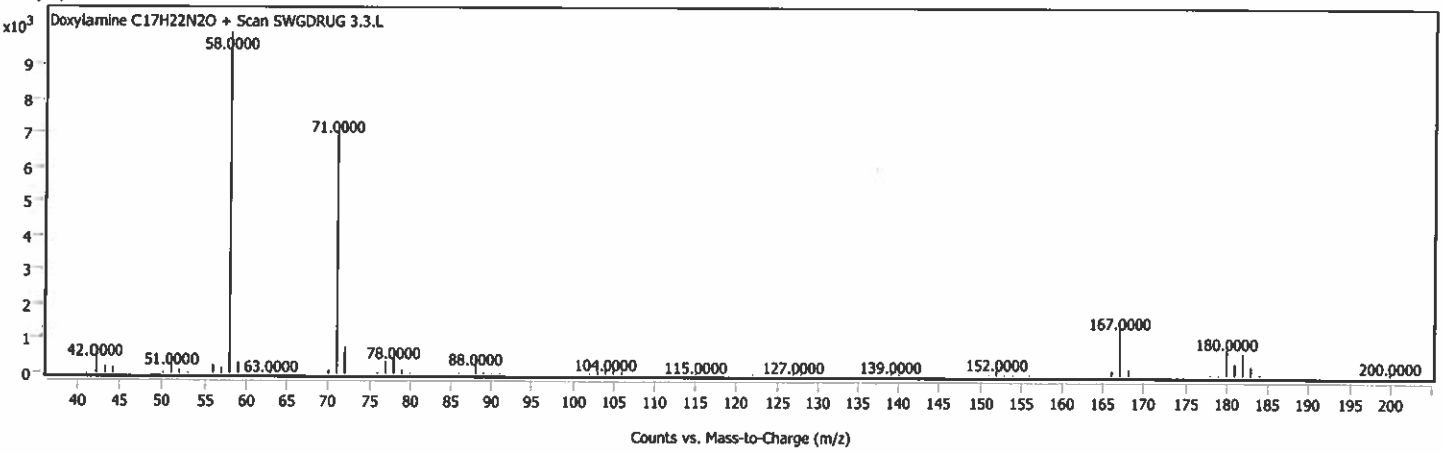
Observed Spectrum



Mirror Plot



Library Spectrum



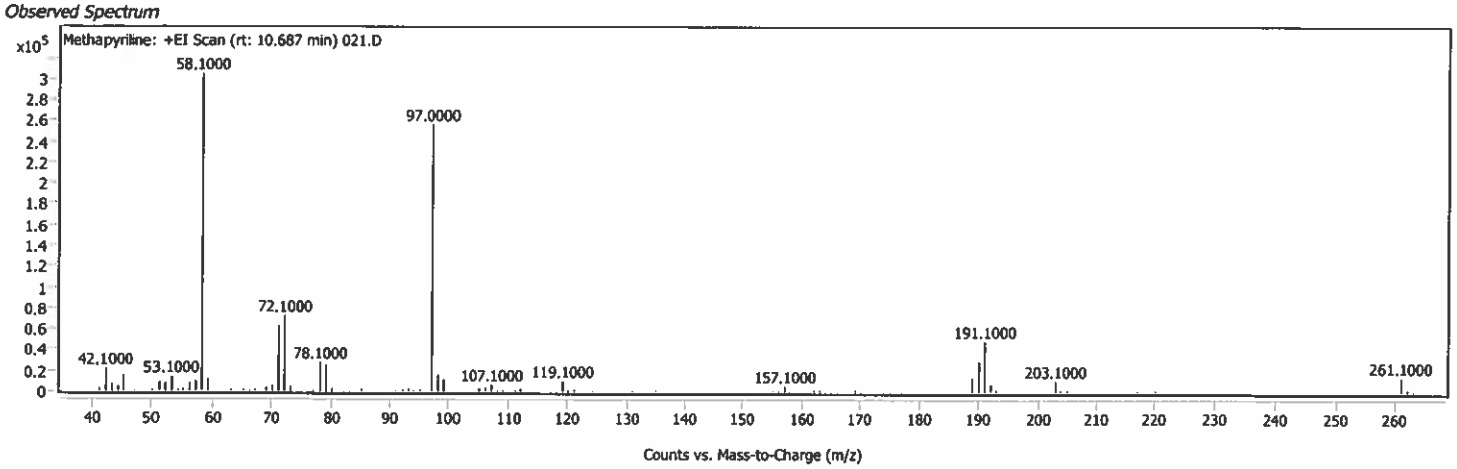
Analysis Report

Agilent

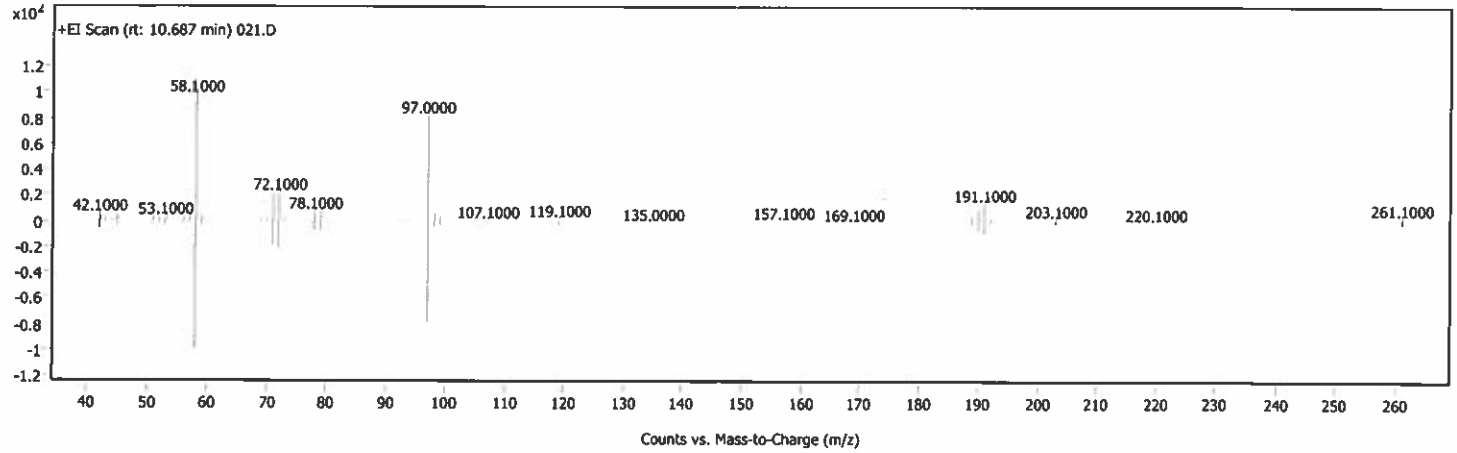
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.45	SWGDRUG 3.3.L	MATRIX 1 W/ IH CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

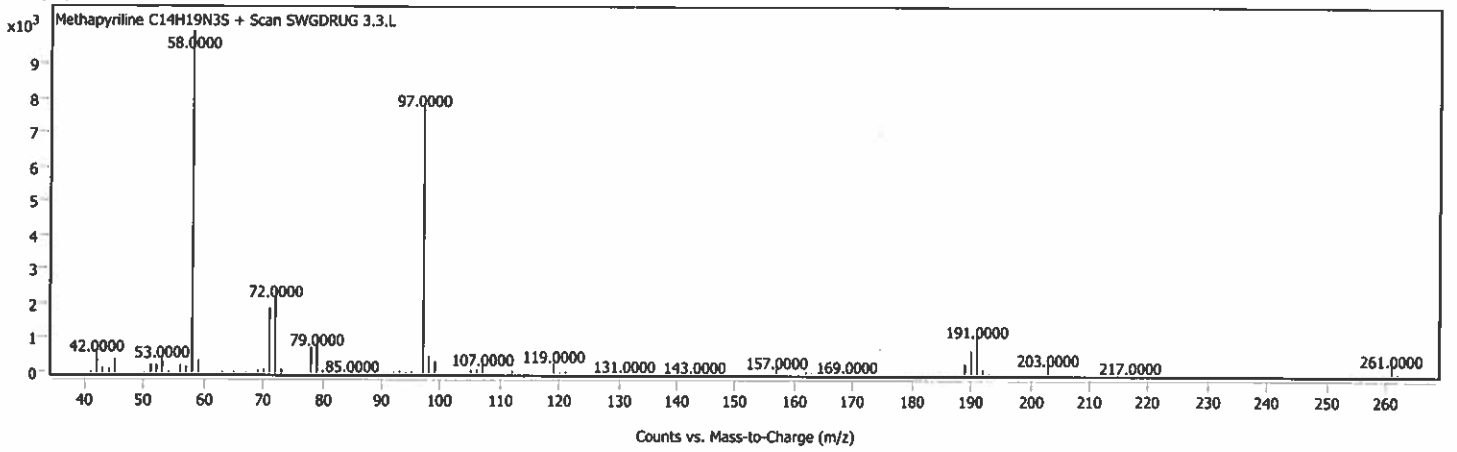
Observed Spectrum



Mirror Plot



Library Spectrum



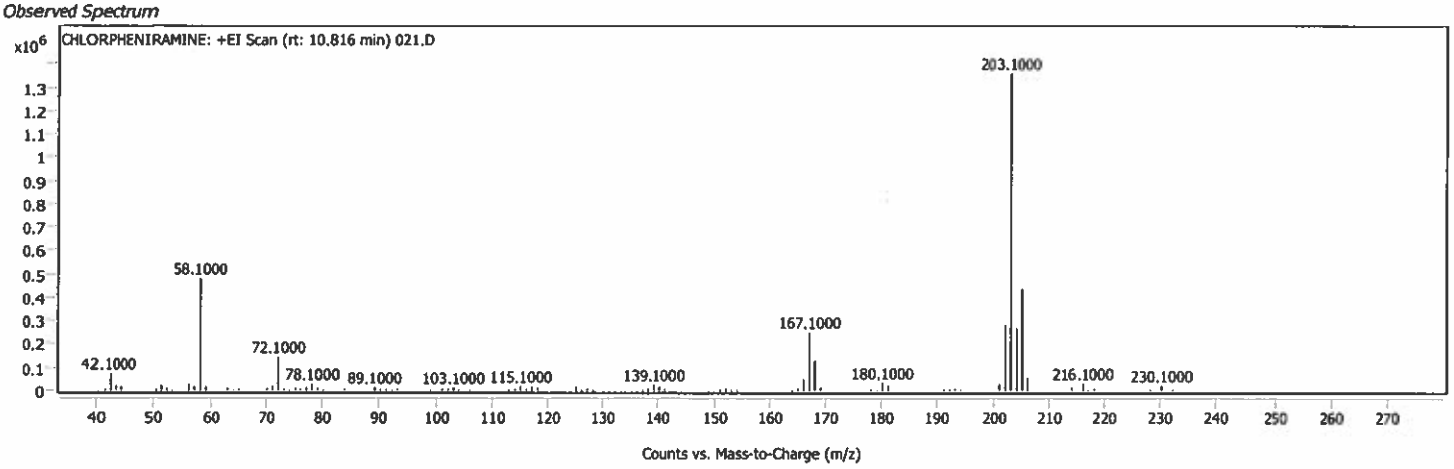
Analysis Report

Agilent

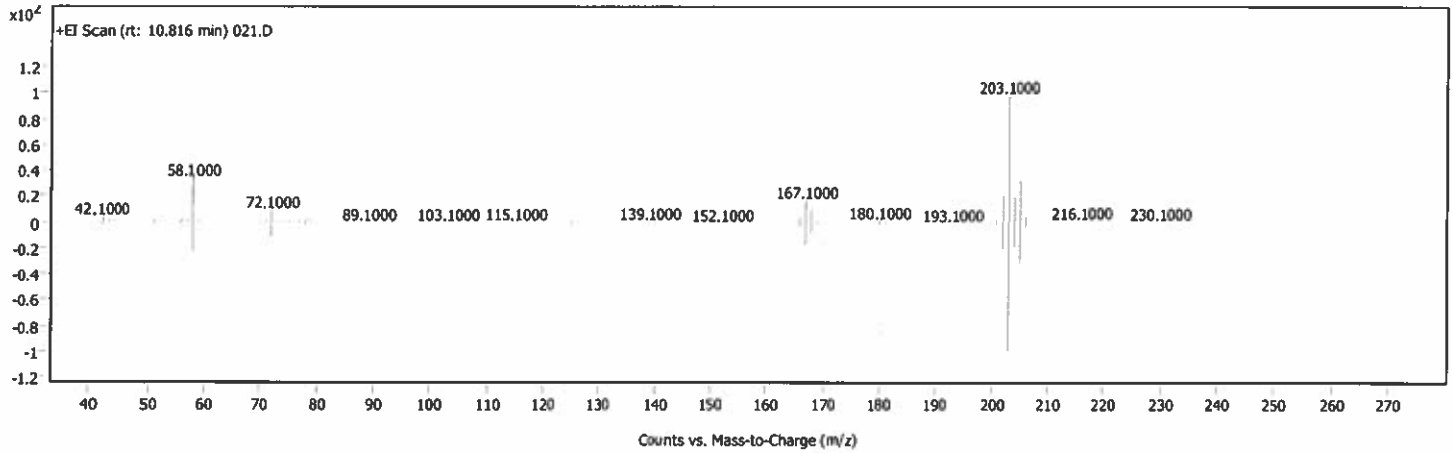
+ Scan (rt: 10.816 min) **CHLORPHENIRAMINE; C16H19ClN2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CHLORPHENIRAMINE	C16H19ClN2	99.12	aafs.l	MATRIX 1 W/ IH CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

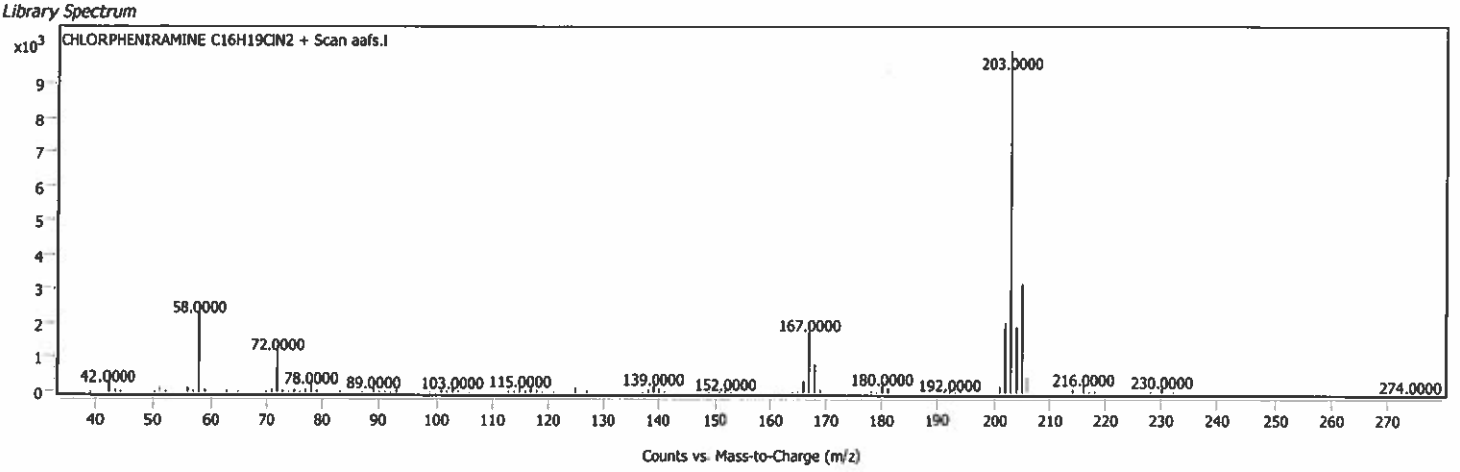
Observed Spectrum



Mirror Plot



Library Spectrum



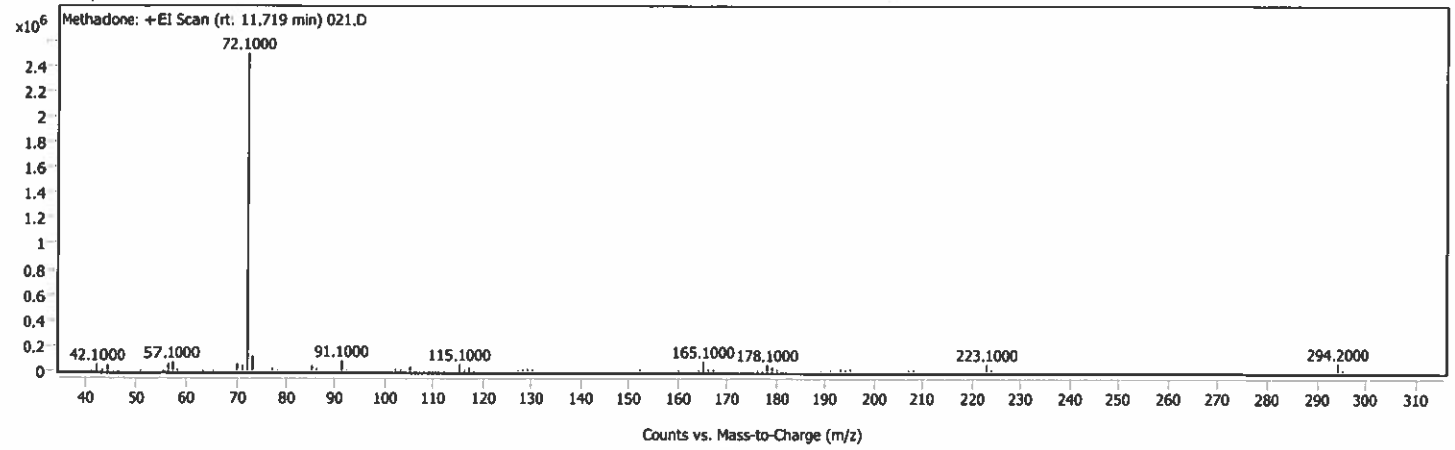
Analysis Report

Agilent

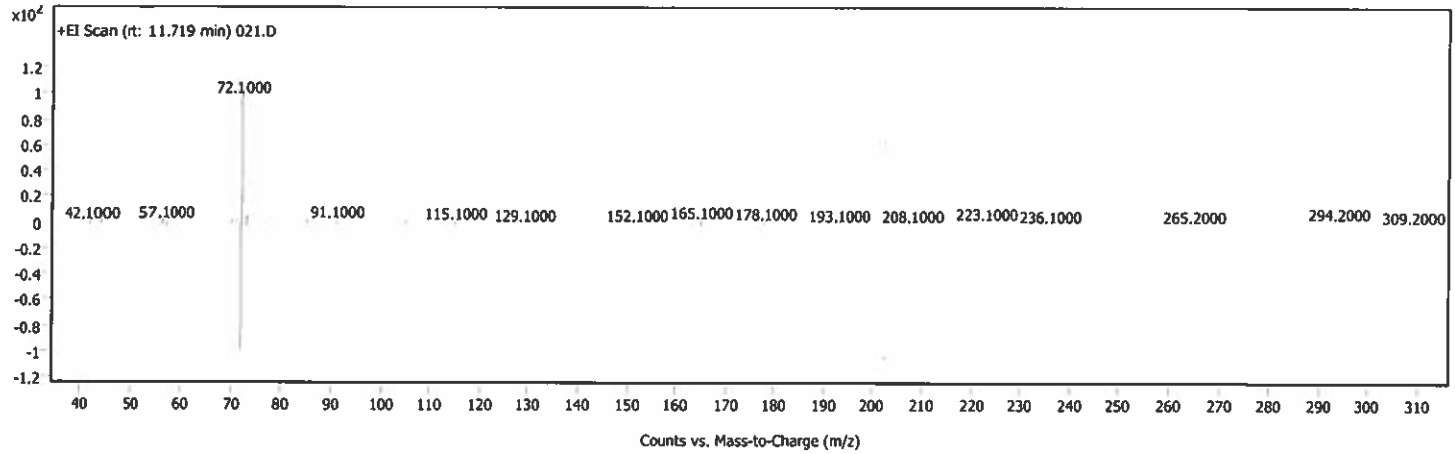
+ Scan (rt: 11.719 min) **Methadone; C21H27NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methadone	C21H27NO	97.44	SWGDRUG 3.3.L	MATRIX 1 W/ IH CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

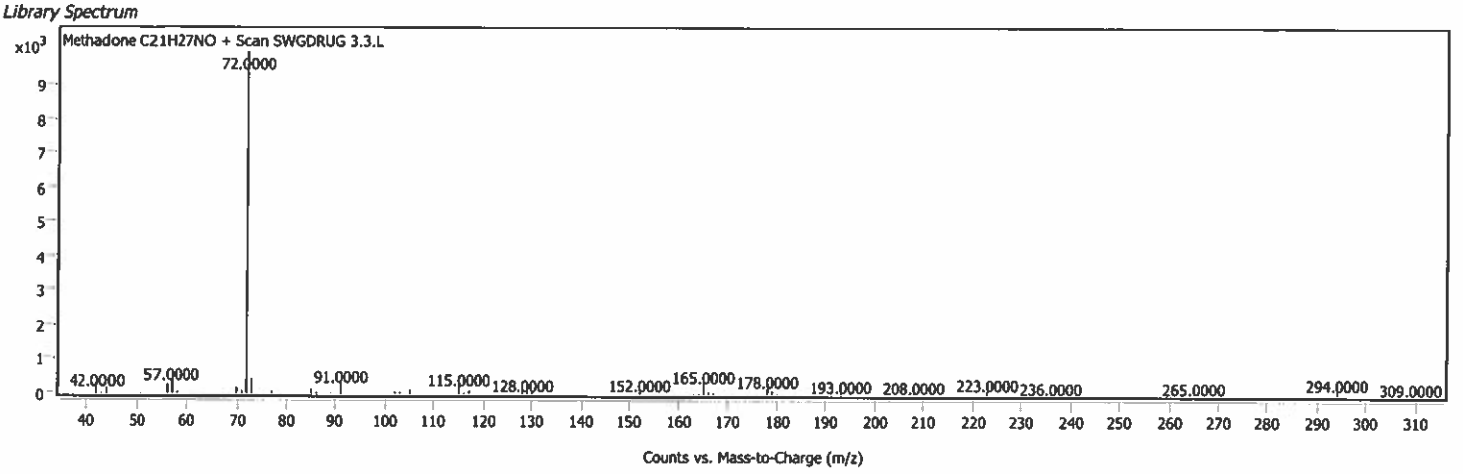
Observed Spectrum



Mirror Plot



Library Spectrum



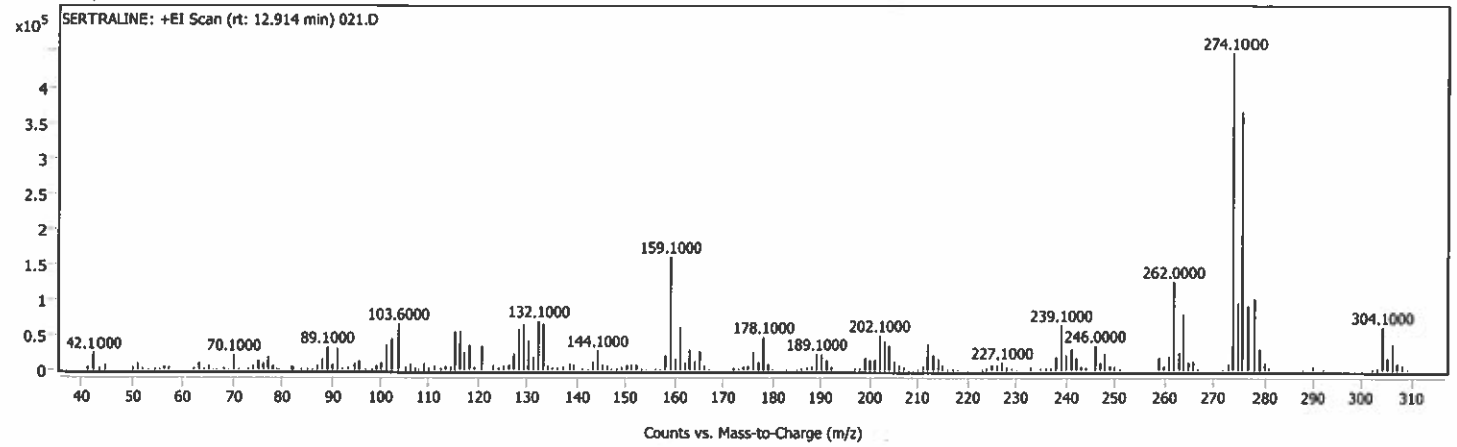
Analysis Report

Agilent

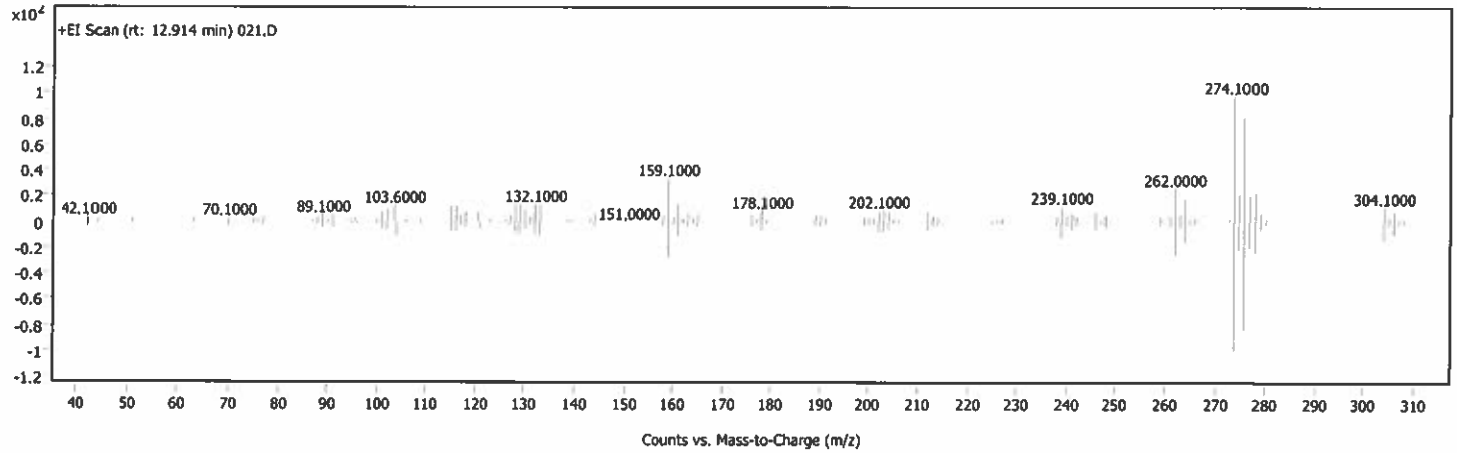
+ Scan (rt: 12.914 min) **SERTRALINE; C17H17Cl2N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
SERTRALINE	C17H17Cl2N	92.28	aafs.l	MATRIX 1 W/ IH CTL - BLD	KM/QC DATA IN XYLAZINE VALIDATION

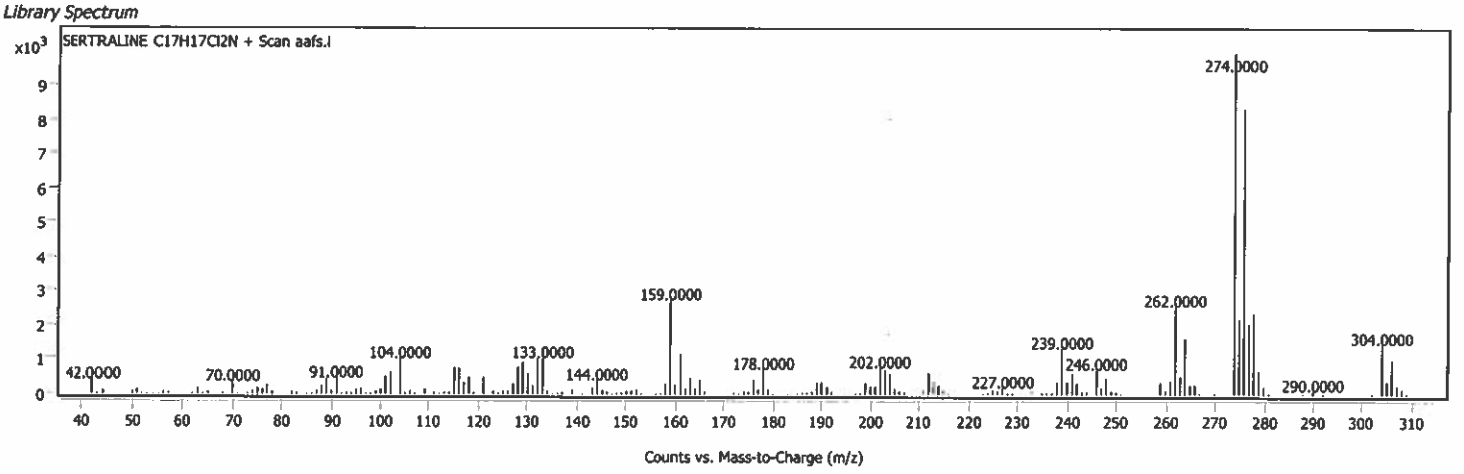
Observed Spectrum



Mirror Plot

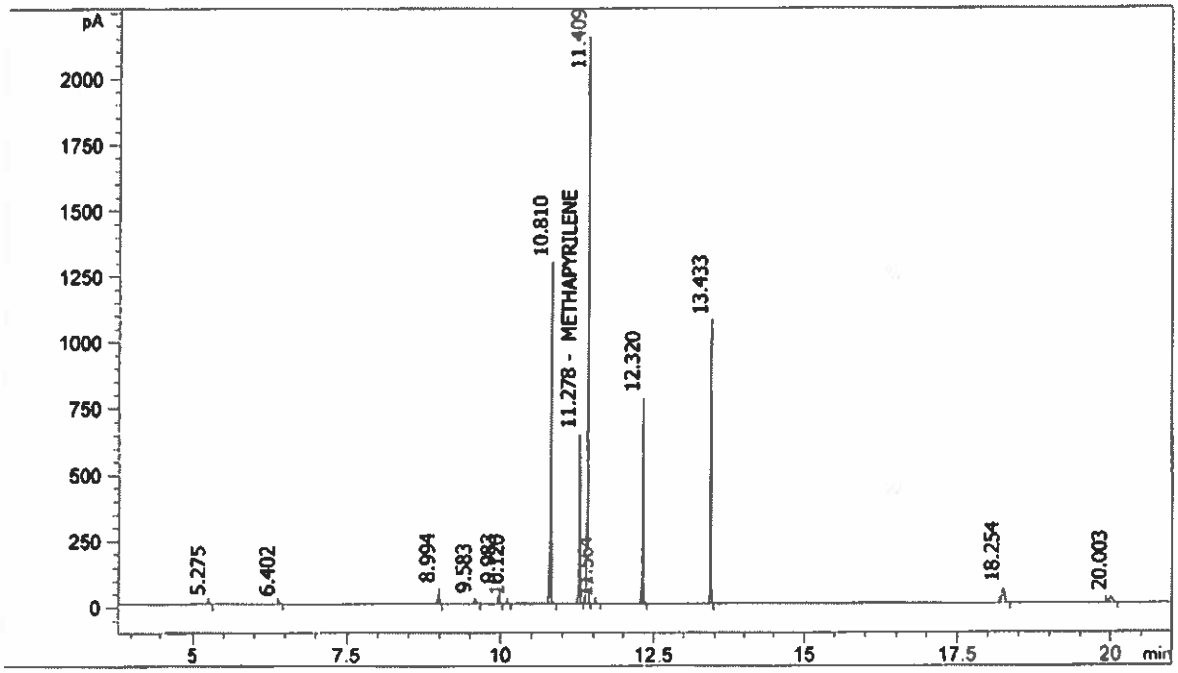


Library Spectrum



Injection Date: 9/28/2021 10:40:26 PM Seq Line: 23
Sample Name: MATRIX 1 W/ IH CTL - -> Vial 24
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
11.278	11.278	747.753	639.091	1.000000	METHAPYRILENE

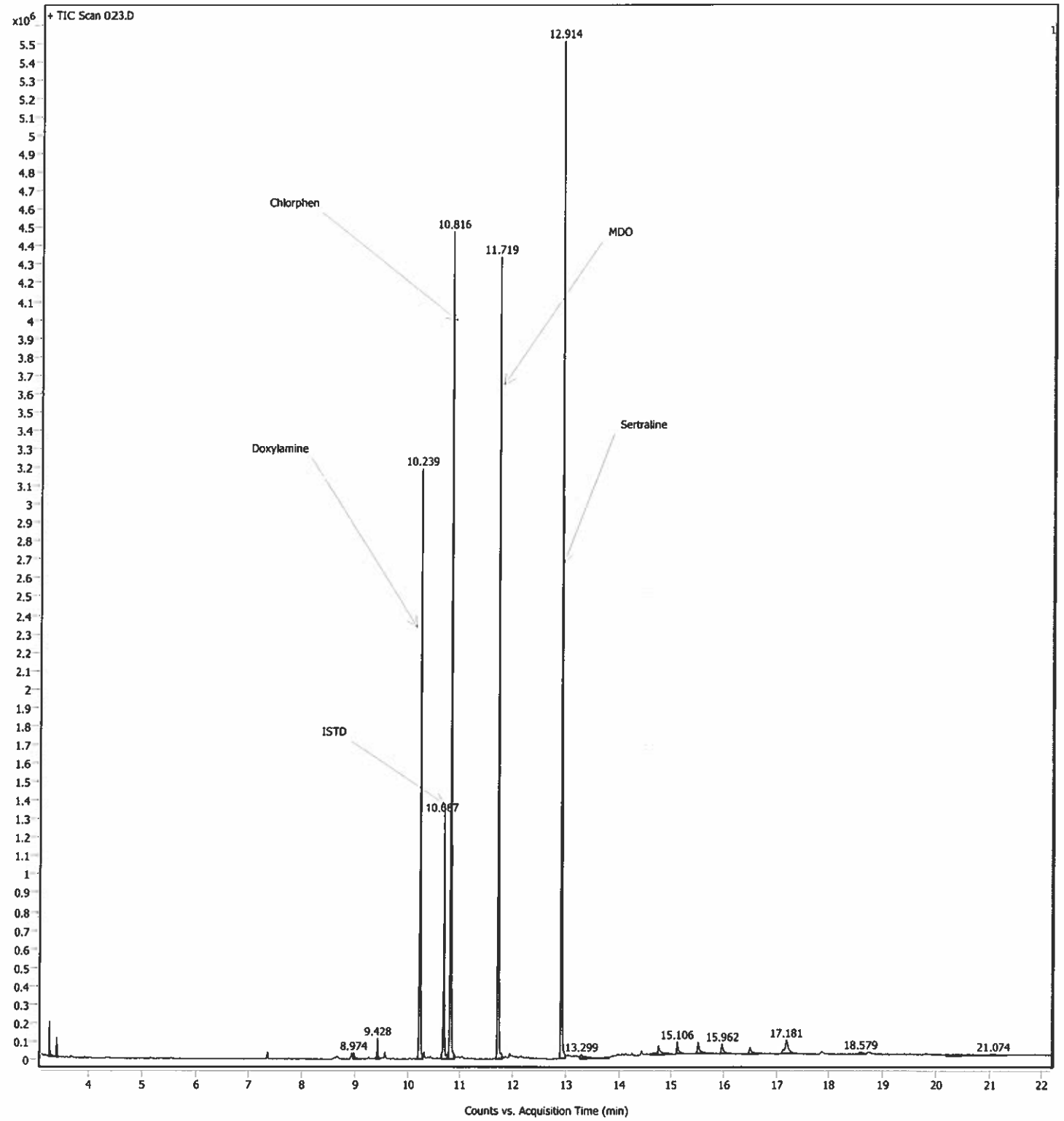
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 W/ IH CTL - URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\023.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 11:34:42 PM (UTC-04:00)
Position	50	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

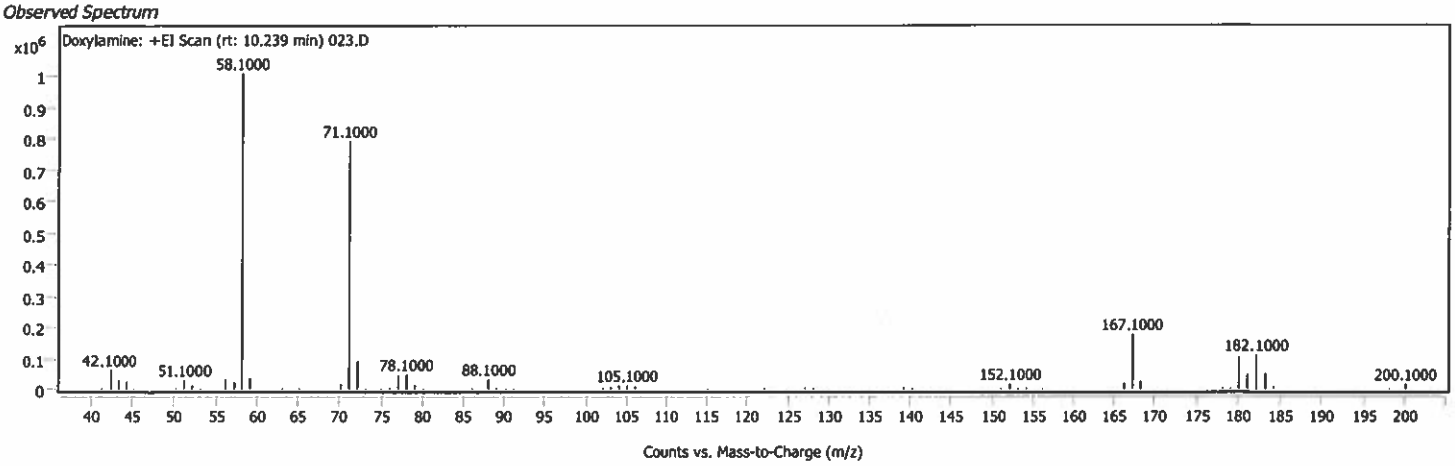
Agilent

Sample Spectra

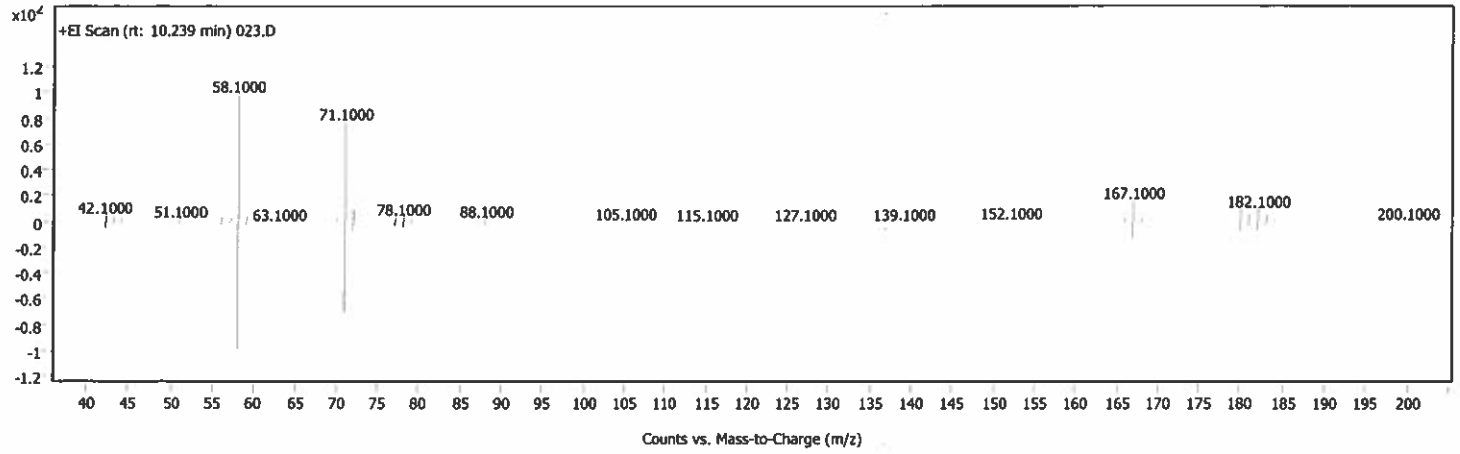
+ Scan (rt: 10.239 min) **Doxylamine; C17H22N2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Doxylamine	C17H22N2O	98.80	SWGDRUG 3.3.L	MATRIX 6 W/ IH CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

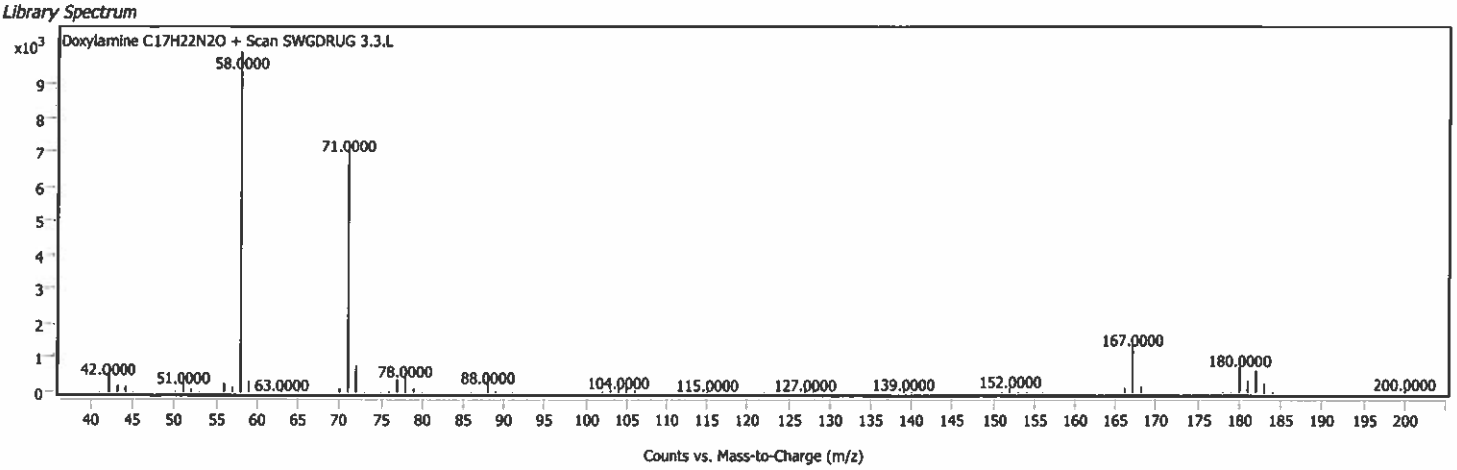
Observed Spectrum



Mirror Plot



Library Spectrum



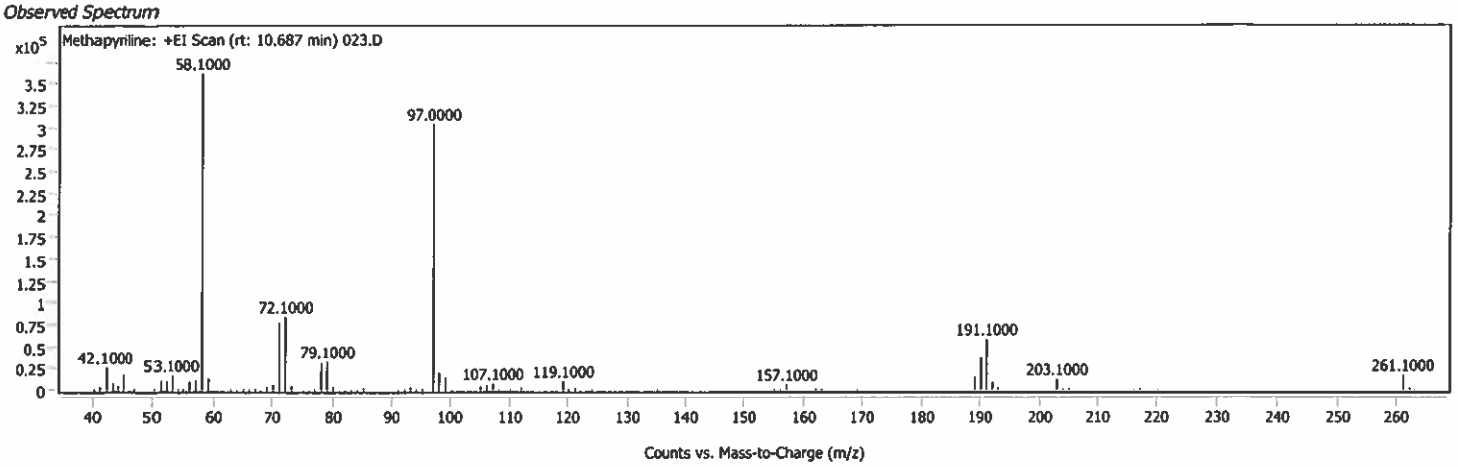
Analysis Report

Agilent

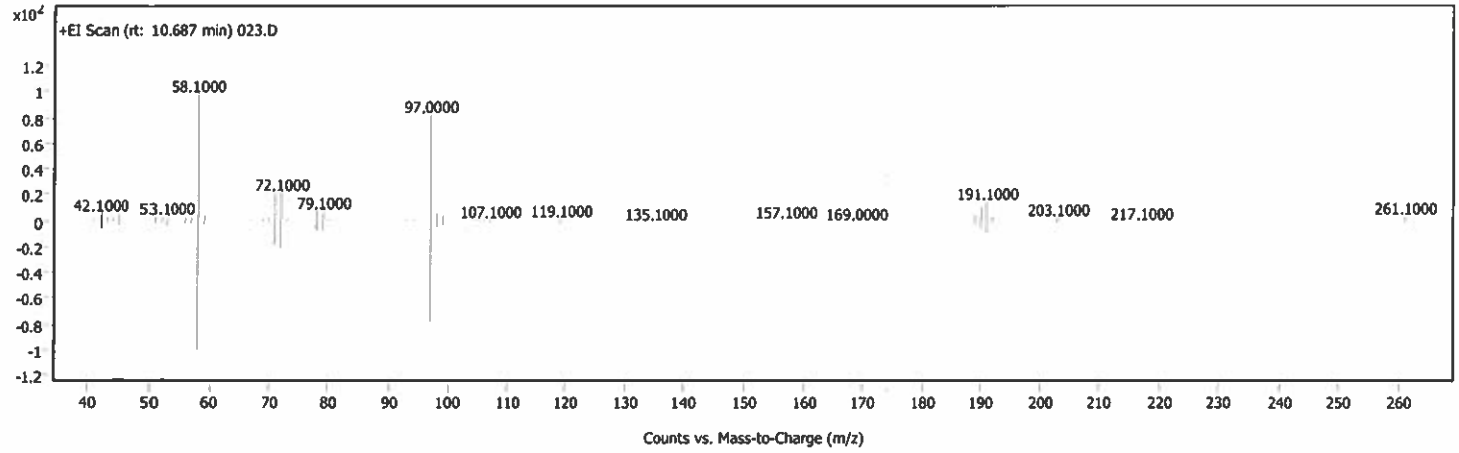
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.59	SWGDRUG 3.3.L	MATRIX 6 W/ IH CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

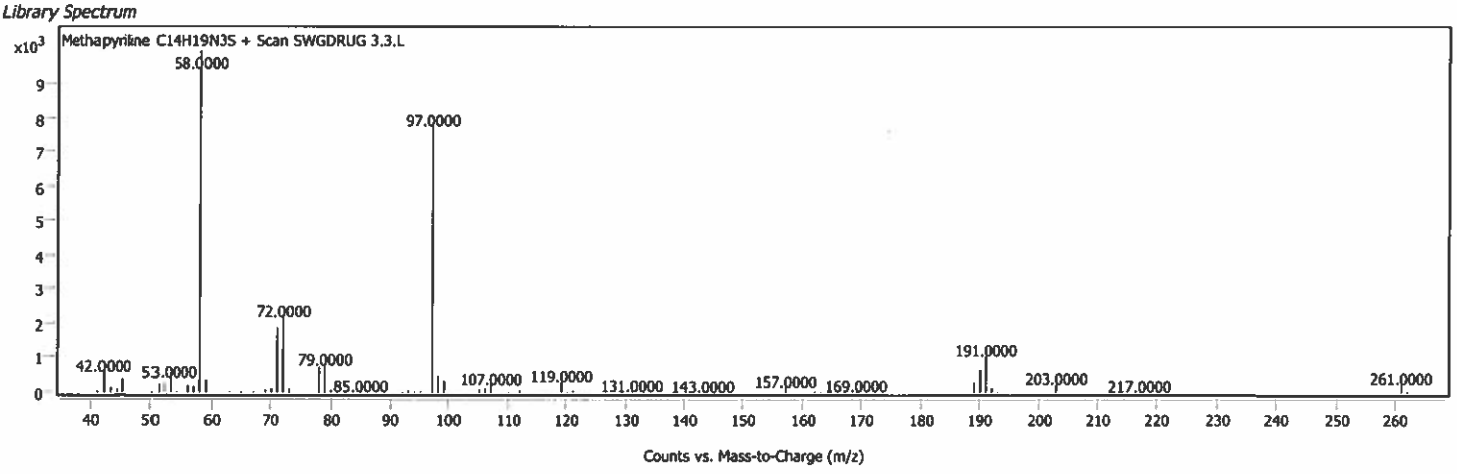
Observed Spectrum



Mirror Plot



Library Spectrum



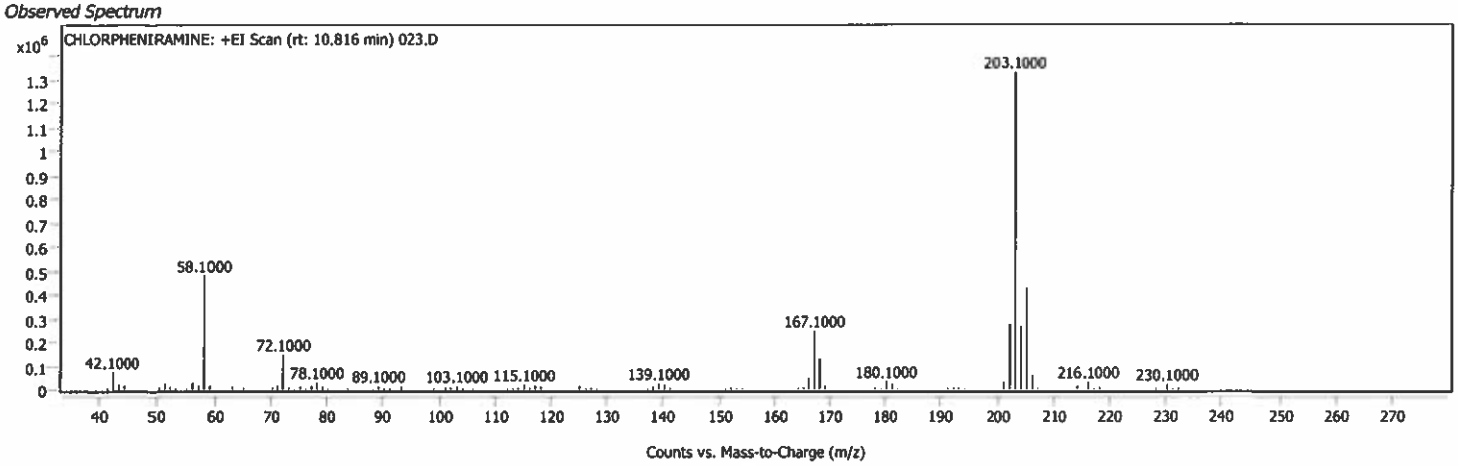
Analysis Report

Agilent

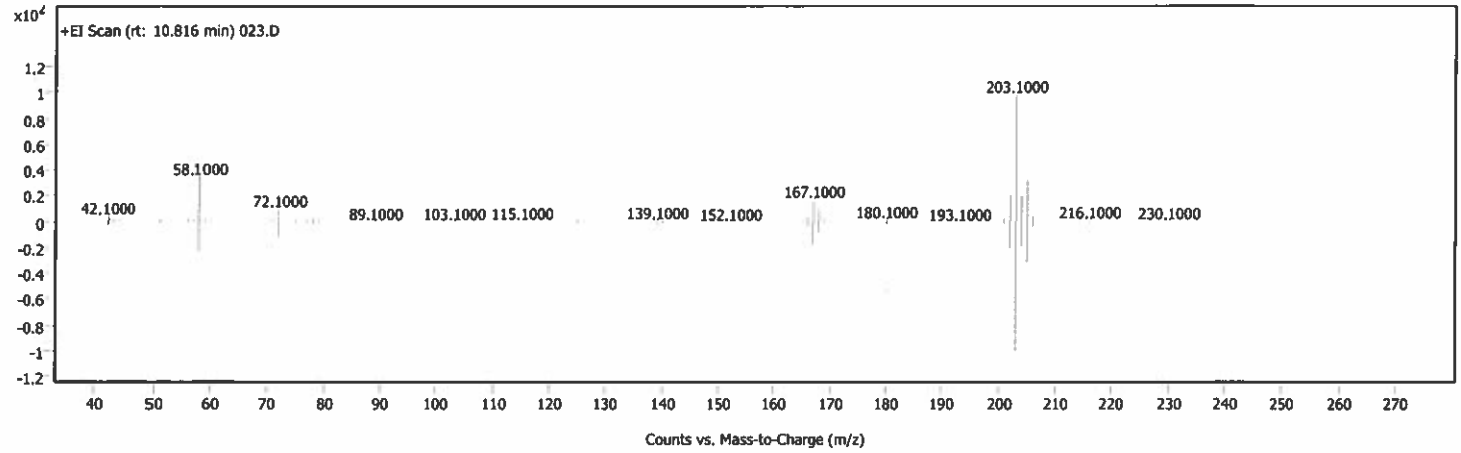
+ Scan (rt: 10.816 min) **CHLORPHENIRAMINE; C16H19ClN2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CHLORPHENIRAMINE	C16H19ClN2	99.03	aafs.l	MATRIX 6 W/ IH CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

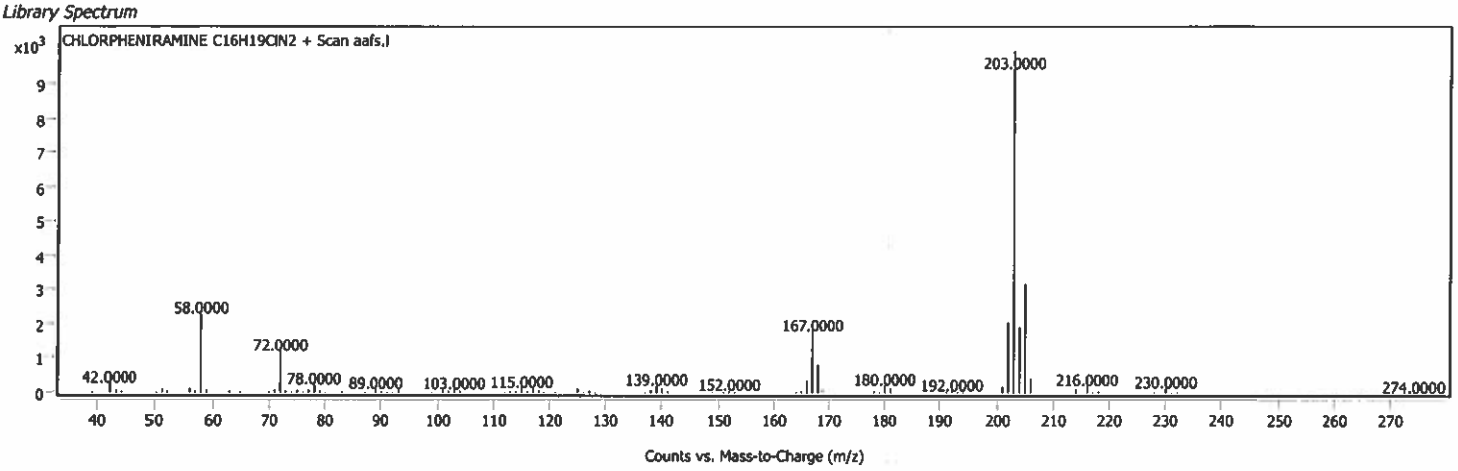
Observed Spectrum



Mirror Plot



Library Spectrum



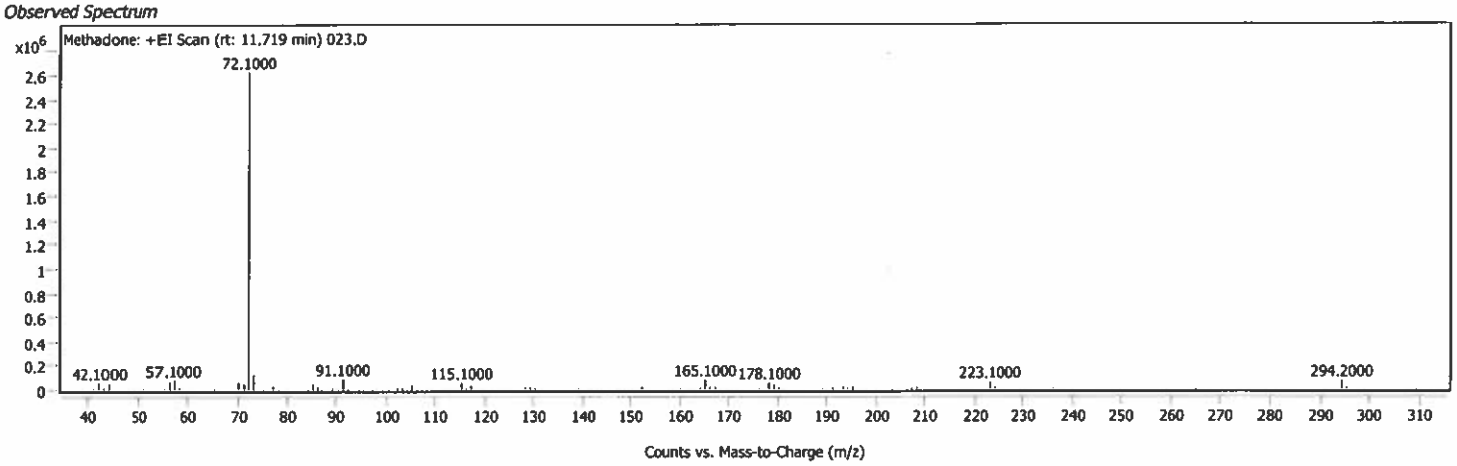
Analysis Report

Agilent

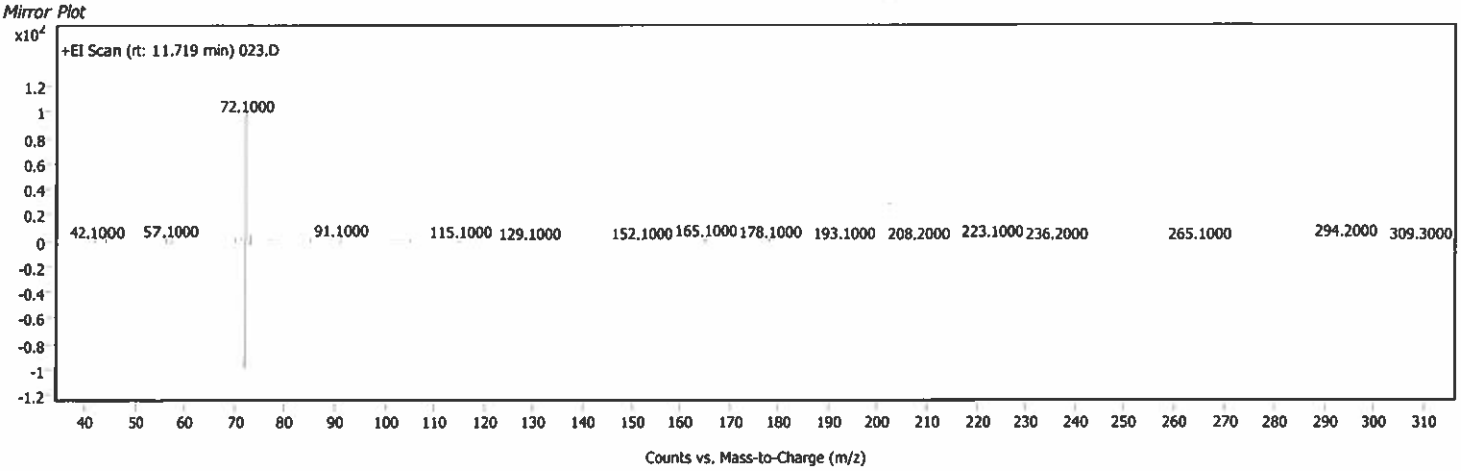
+ Scan (rt: 11.719 min) **Methadone; C21H27NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methadone	C21H27NO	97.37	SWGDRUG 3.3.L	MATRIX 6 W/ IH CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

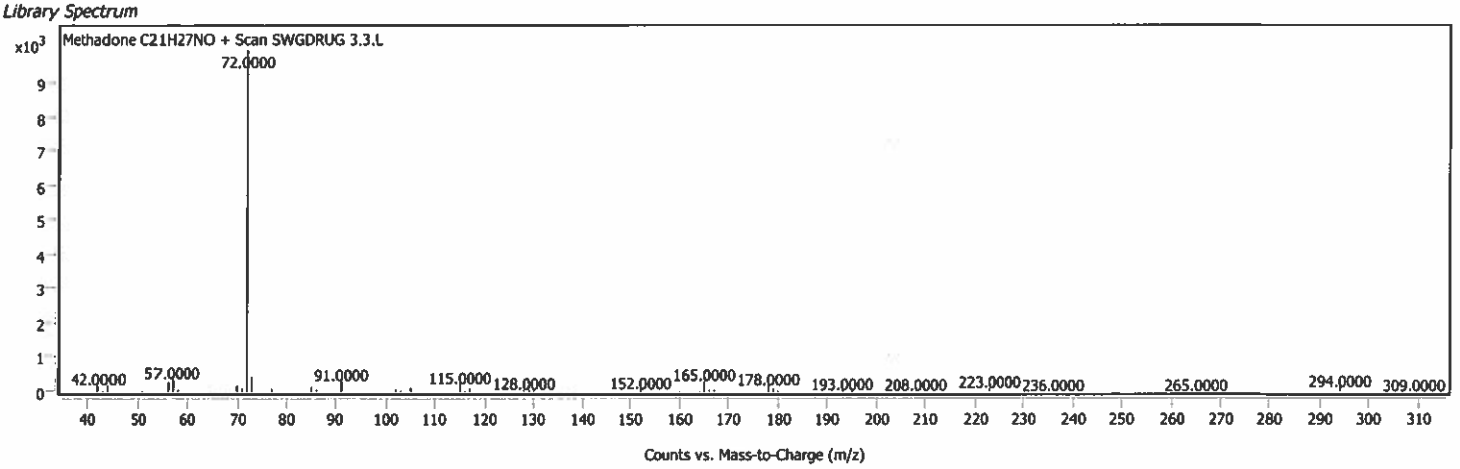
Observed Spectrum



Mirror Plot



Library Spectrum



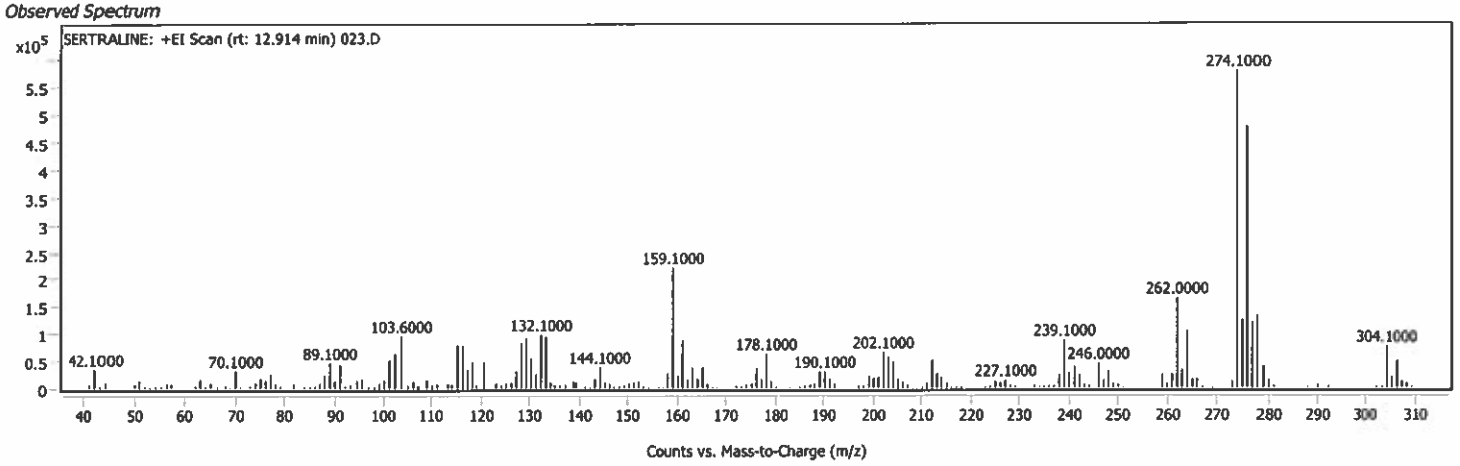
Analysis Report

Agilent

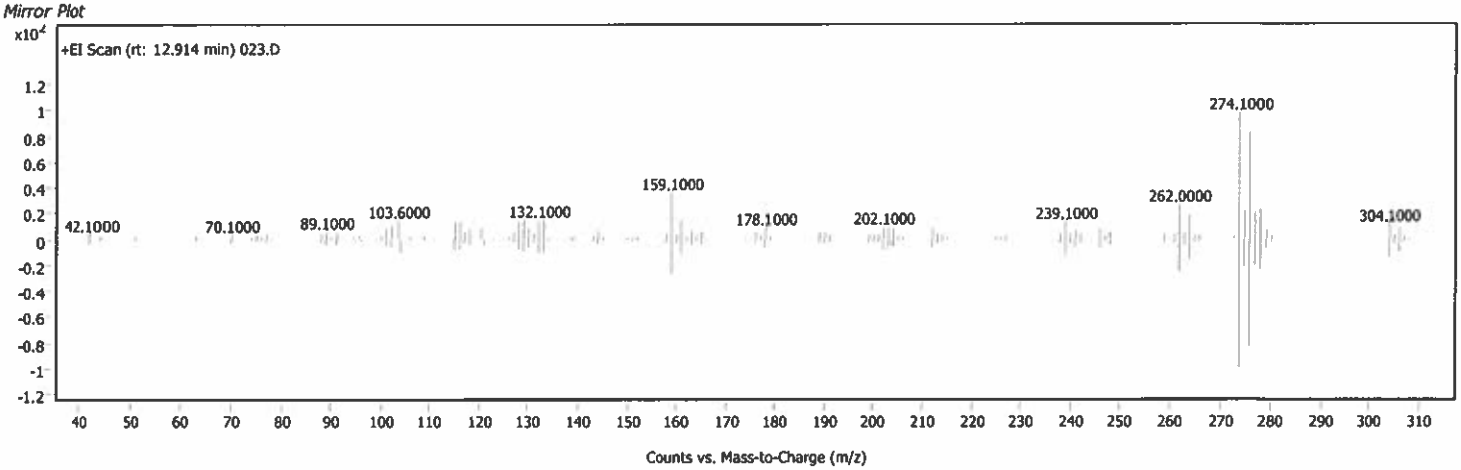
+ Scan (rt: 12.914 min) **SERTRALINE; C17H17Cl2N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
SERTRALINE	C17H17Cl2N	91.96	aafs.l	MATRIX 6 W/ IH CTL - URN	KM/QC DATA IN XYLAZINE VALIDATION

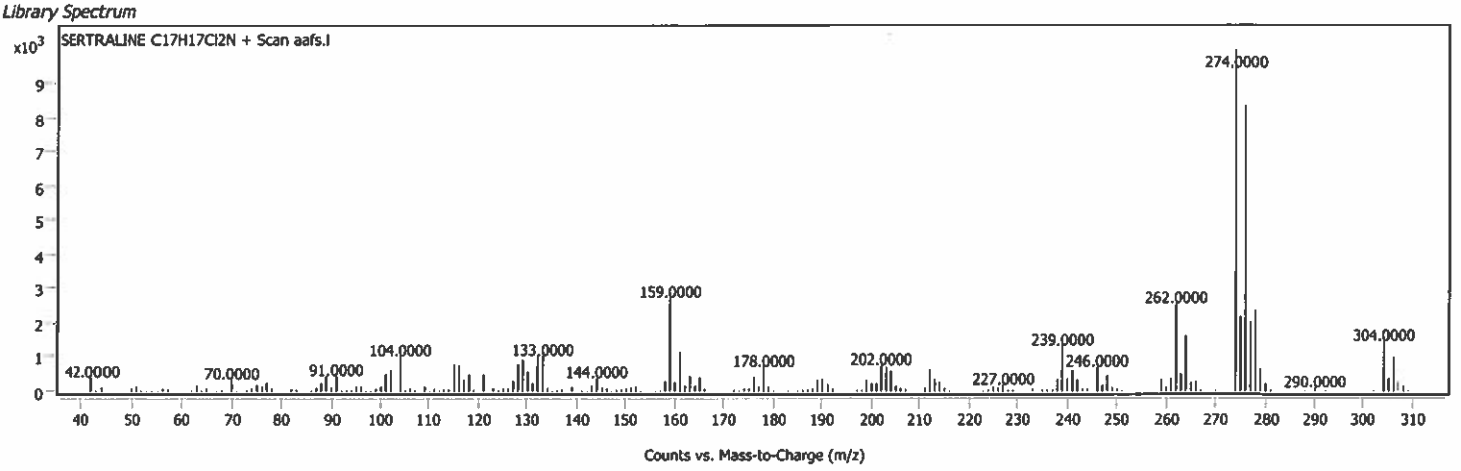
Observed Spectrum



Mirror Plot

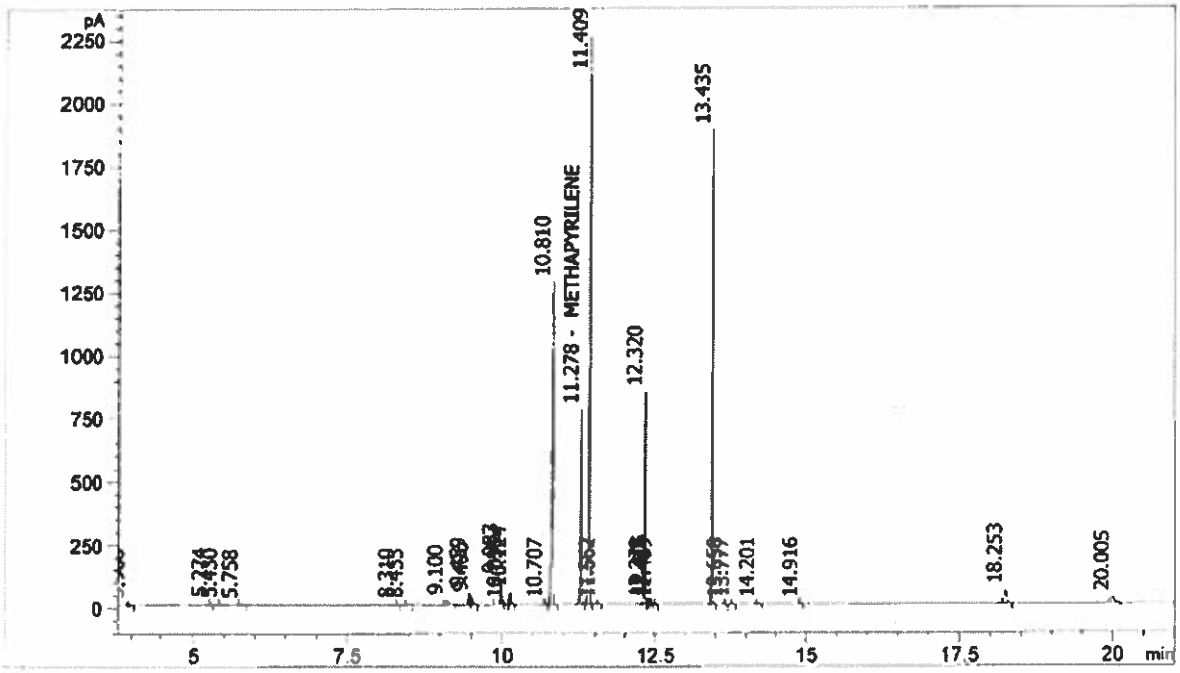


Library Spectrum



Injection Date: 9/28/2021 11:29:06 PM Seq Line: 25
Sample Name: MATRIX 6 W/ IH CTL - -> Vial 26
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
11.278	11.278	913.743	769.209	1.000000	METHAPYRILENE

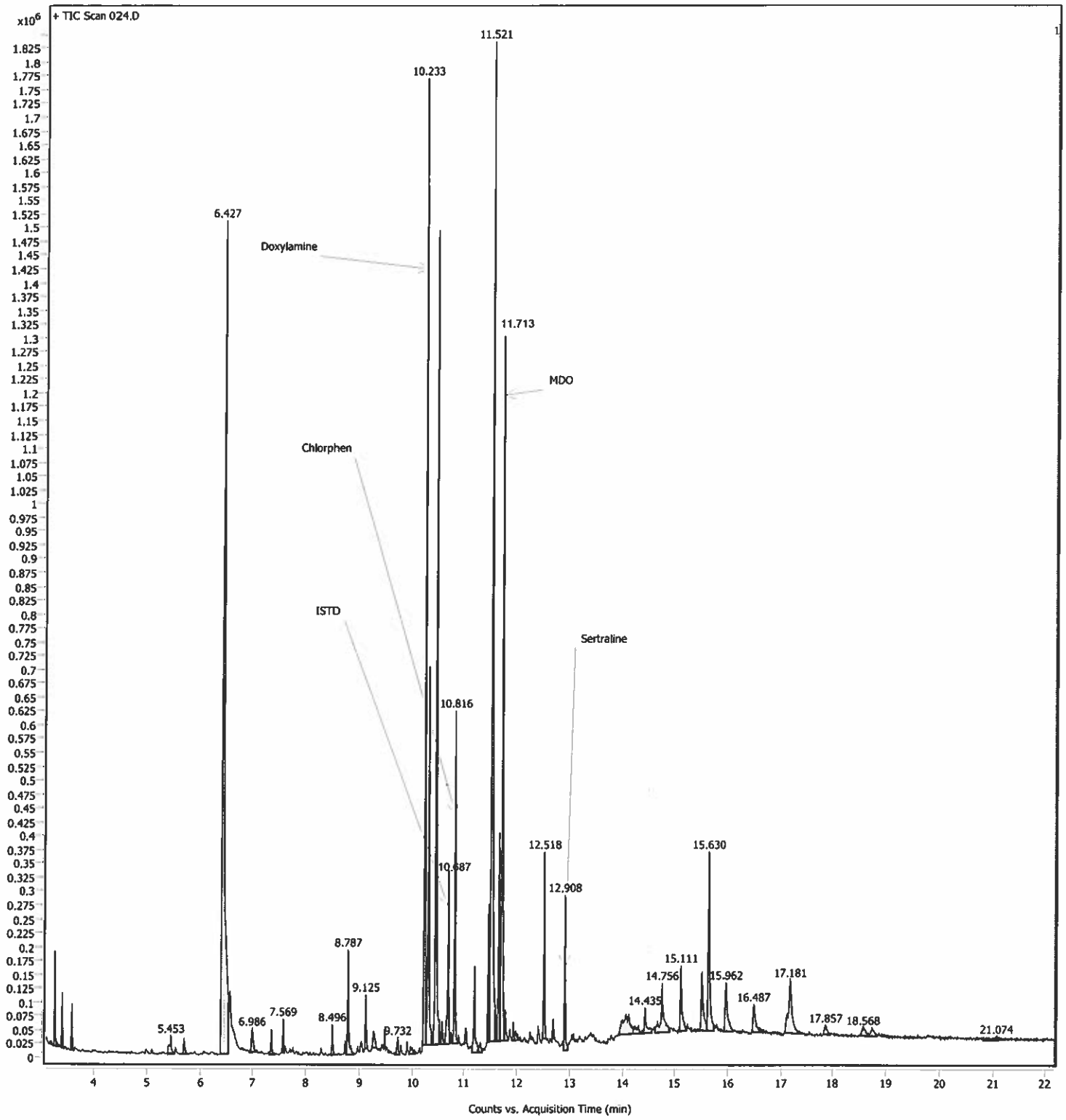
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 10 W/ IH CTL - LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\024.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 12:00:30 AM (UTC-04:00)
Position	51	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

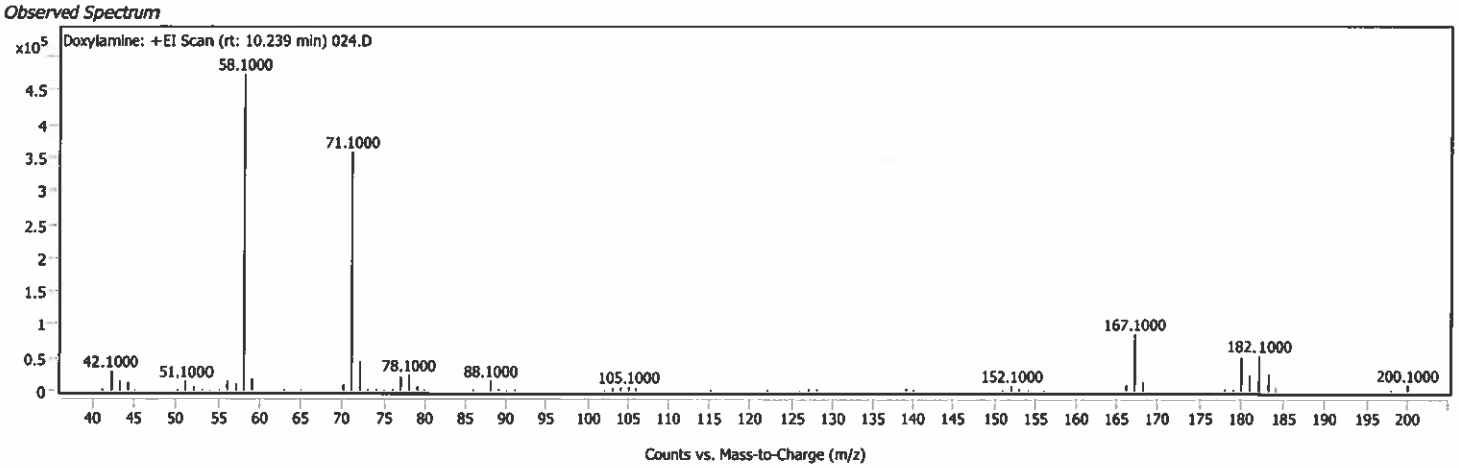
Agilent

Sample Spectra

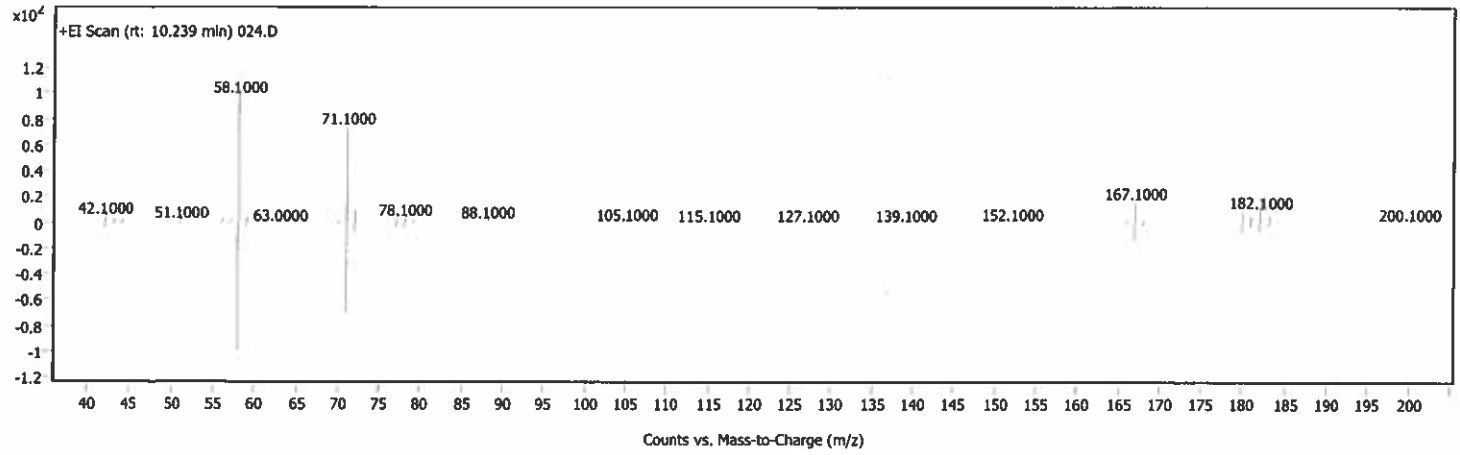
+ Scan (rt: 10.239 min) **Doxylamine; C17H22N2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Doxylamine	C17H22N2O	98.23	SWGDRUG 3.3.L	MATRIX 10 W/ IH CTL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

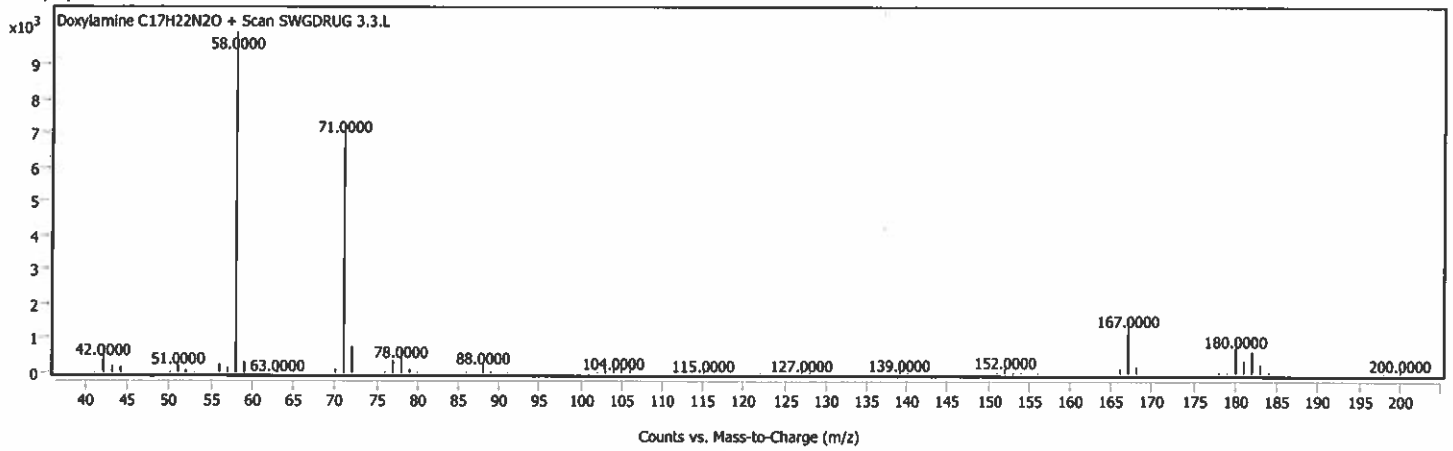
Observed Spectrum



Mirror Plot



Library Spectrum



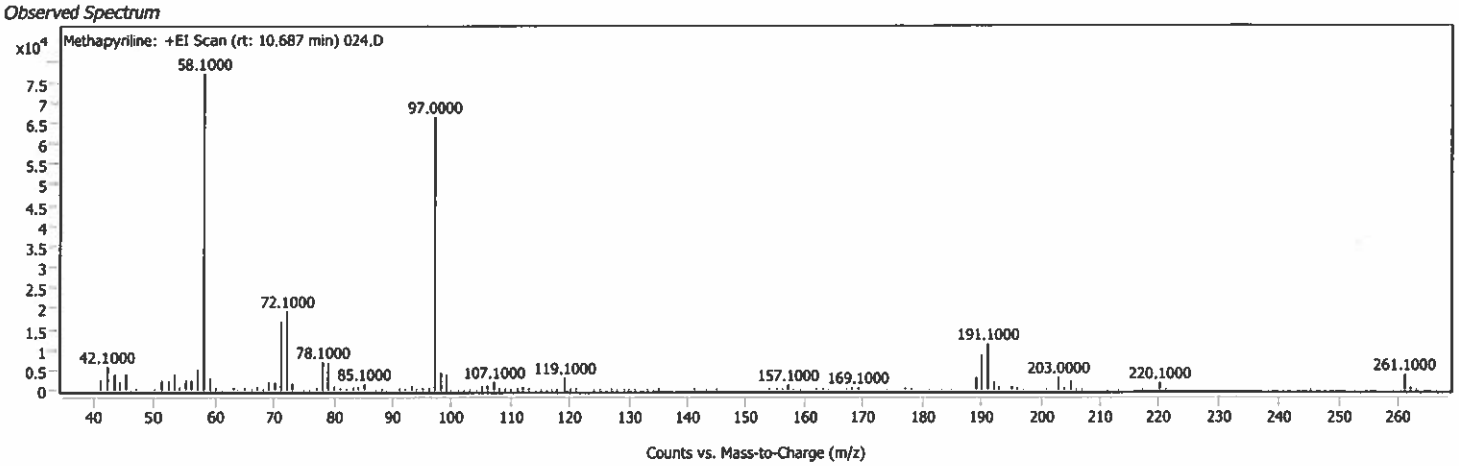
Analysis Report

Agilent

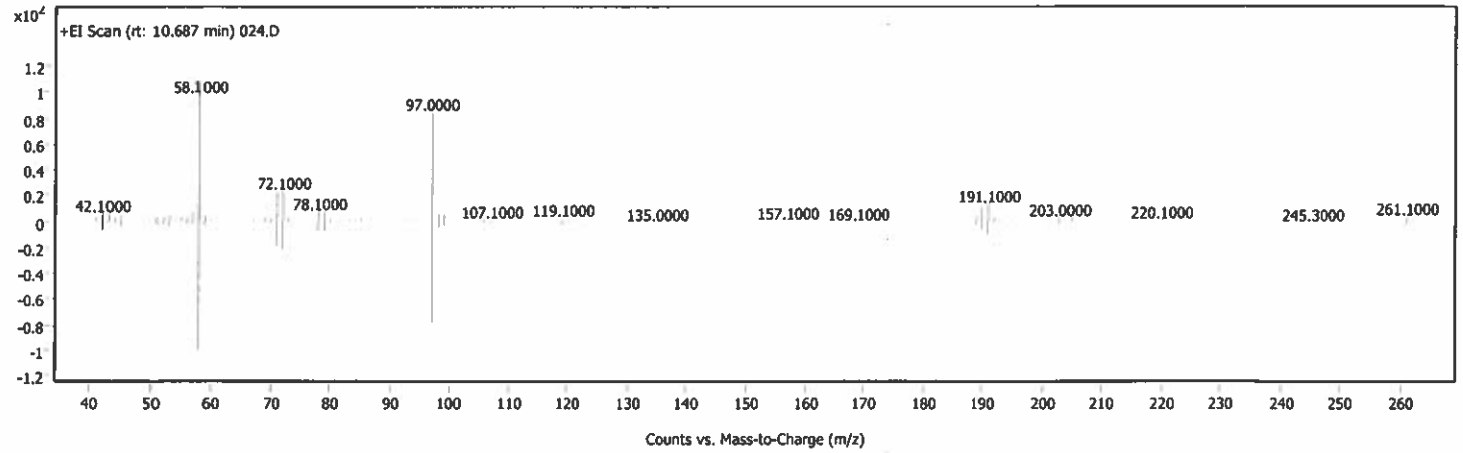
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	92.15	SWGDRUG 3.3.L	MATRIX 10 W/ IH CTL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

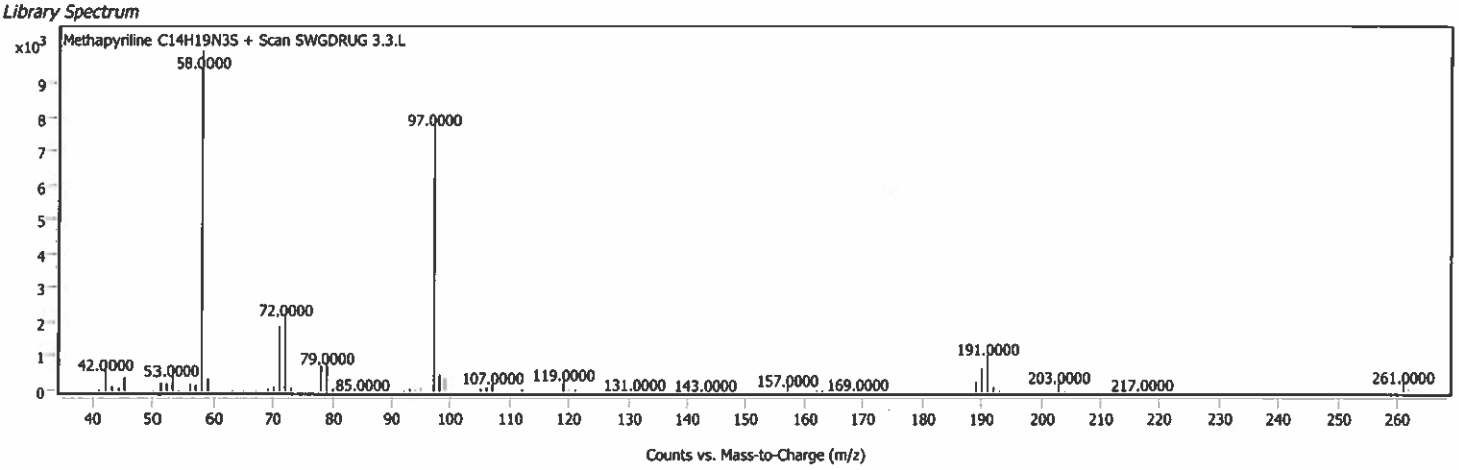
Observed Spectrum



Mirror Plot



Library Spectrum



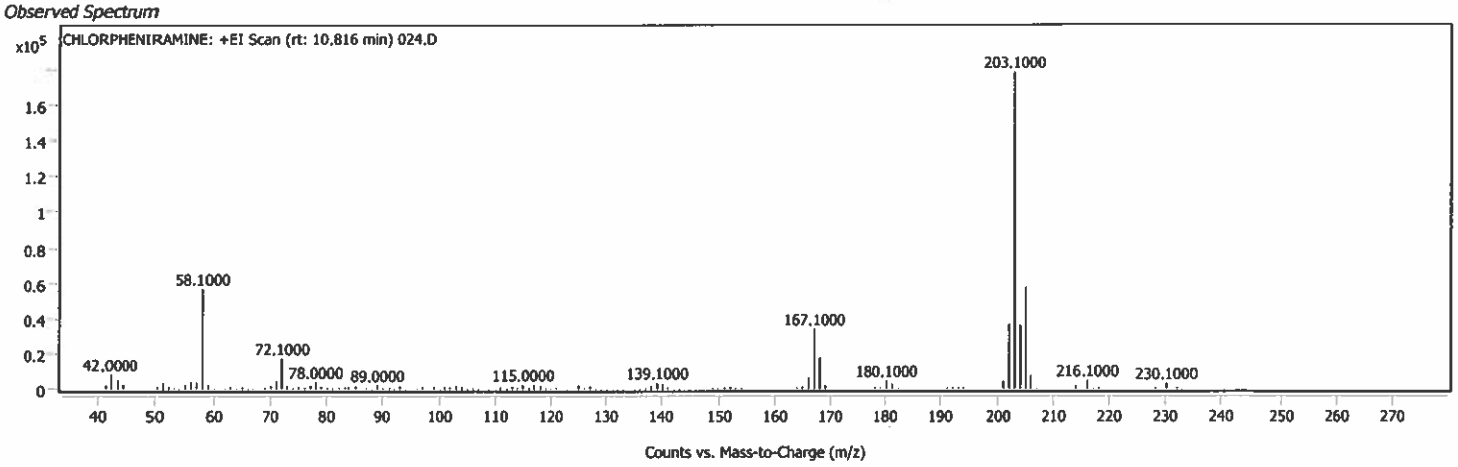
Analysis Report

Agilent

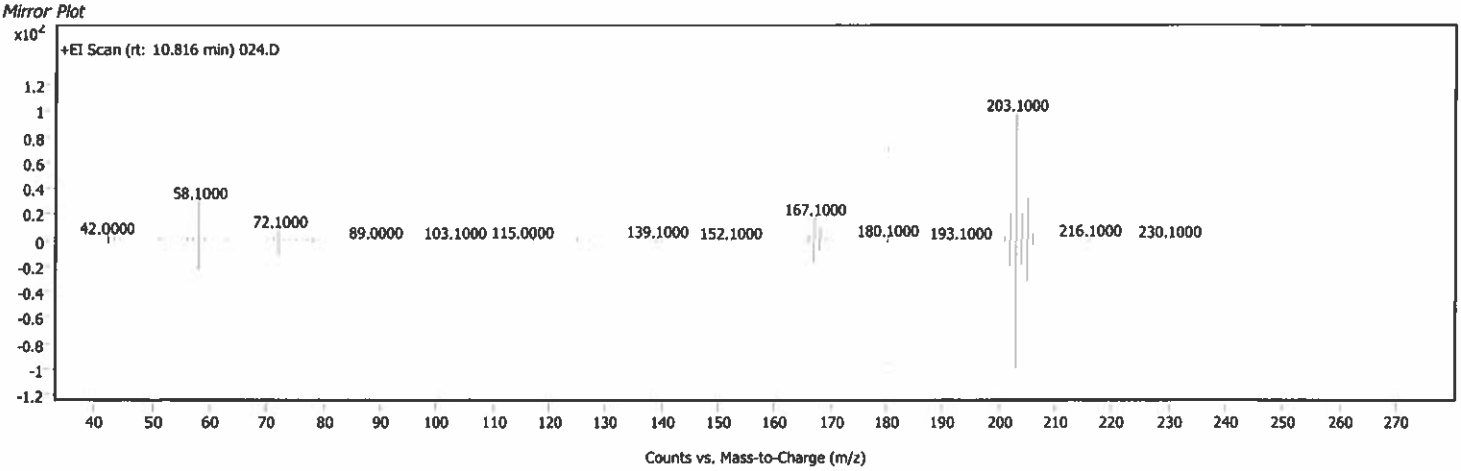
+ Scan (rt: 10.816 min) **CHLORPHENIRAMINE; C16H19ClN2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CHLORPHENIRAMINE	C16H19ClN2	98.24	aafs.l	MATRIX 10 W/ IH CTL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

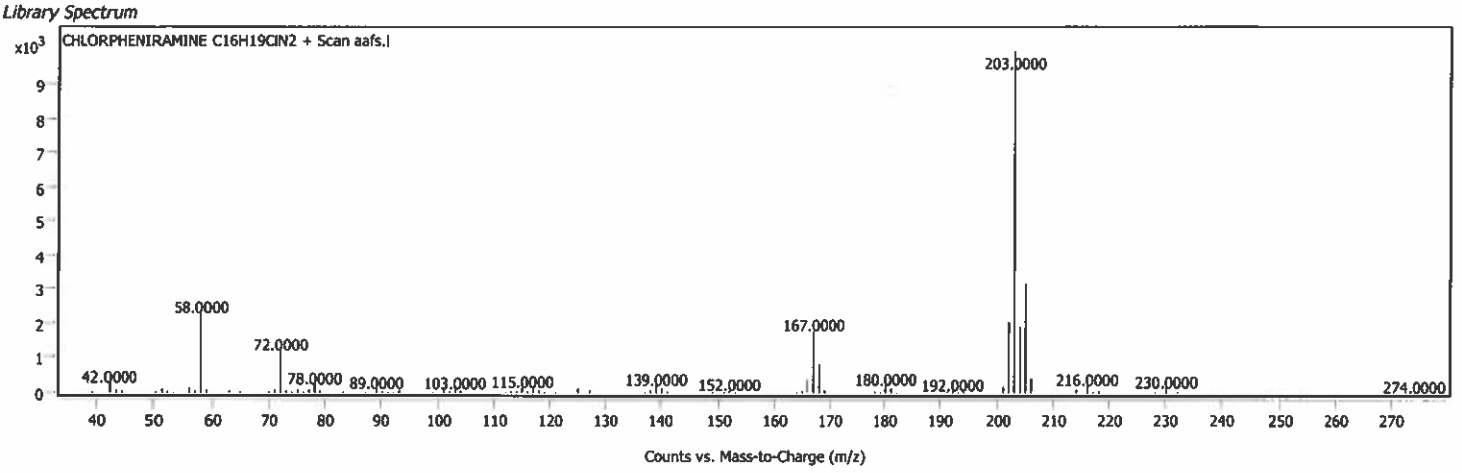
Observed Spectrum



Mirror Plot



Library Spectrum



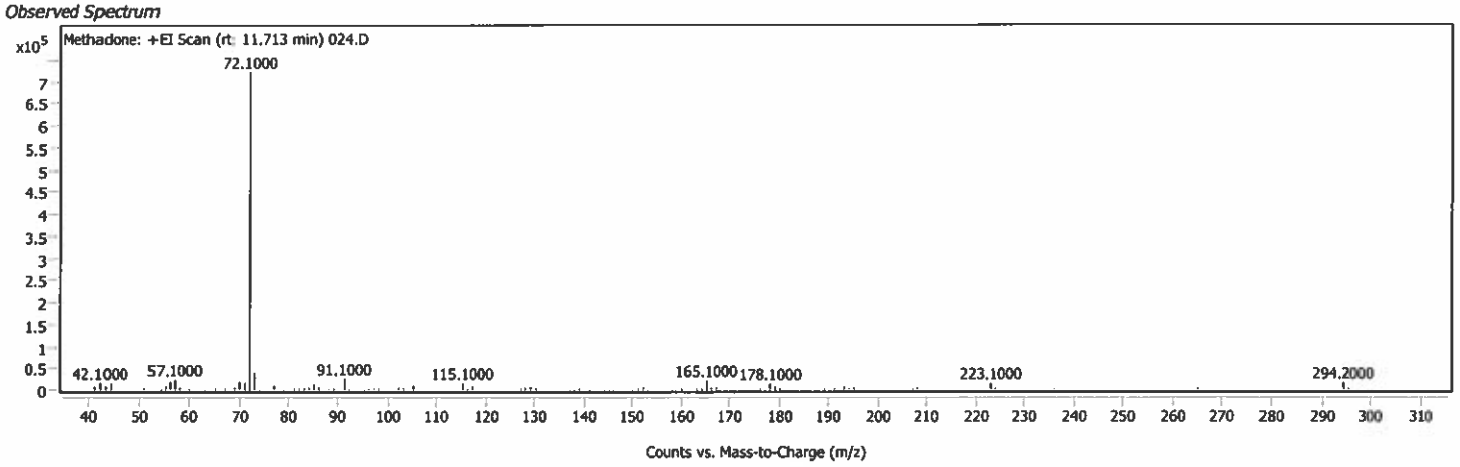
Analysis Report

Agilent

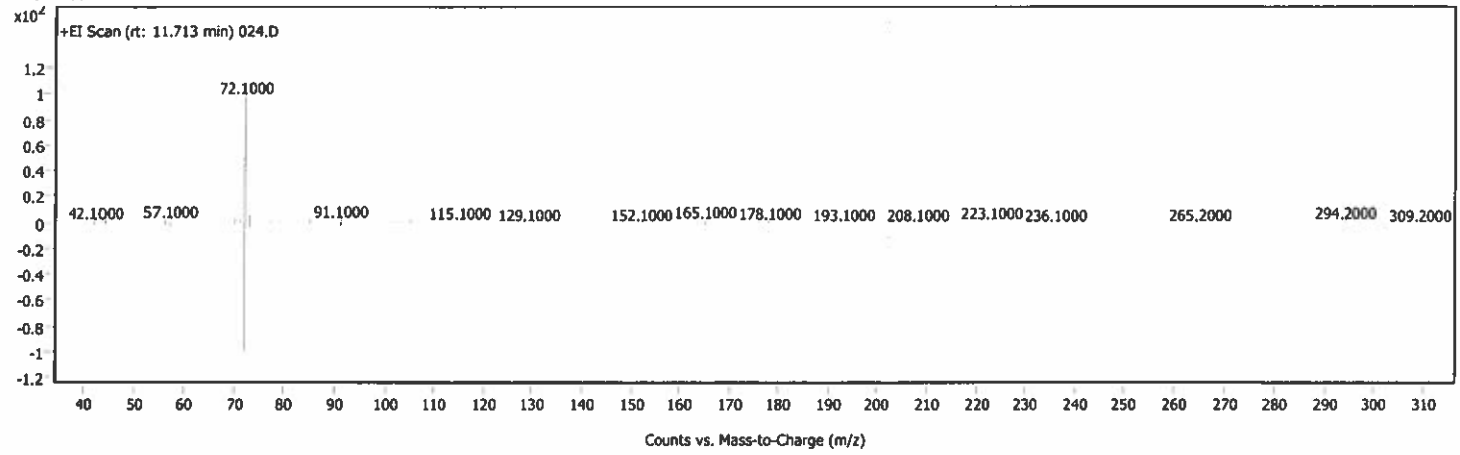
+ Scan (rt: 11.713 min) **Methadone; C21H27NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methadone	C21H27NO	93.88	SWGDRUG 3.3.L	MATRIX 10 W/ IH CTL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

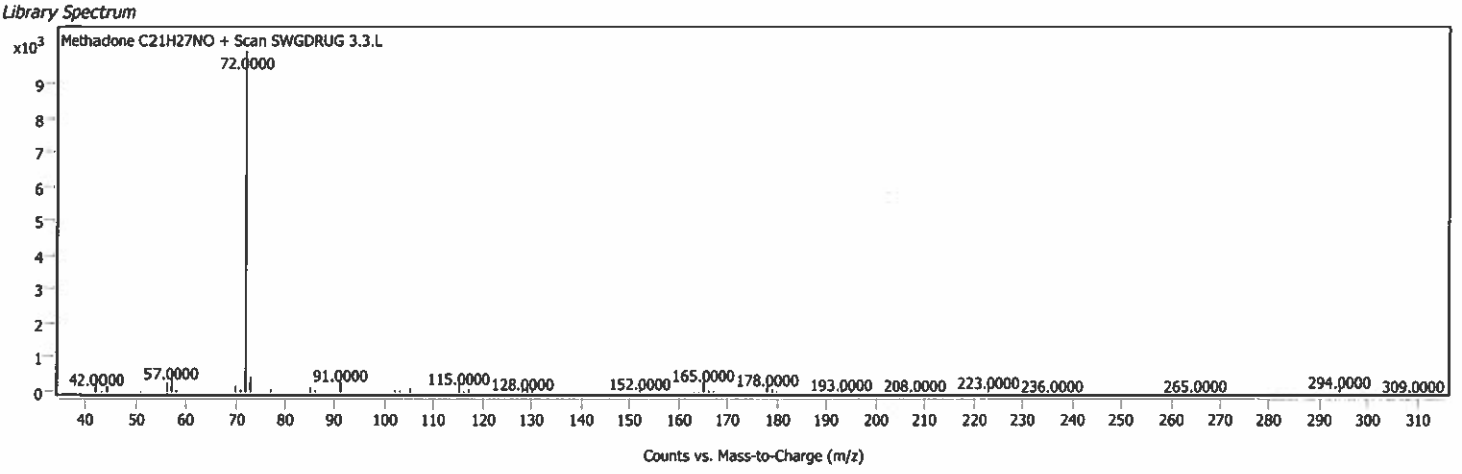
Observed Spectrum



Mirror Plot



Library Spectrum



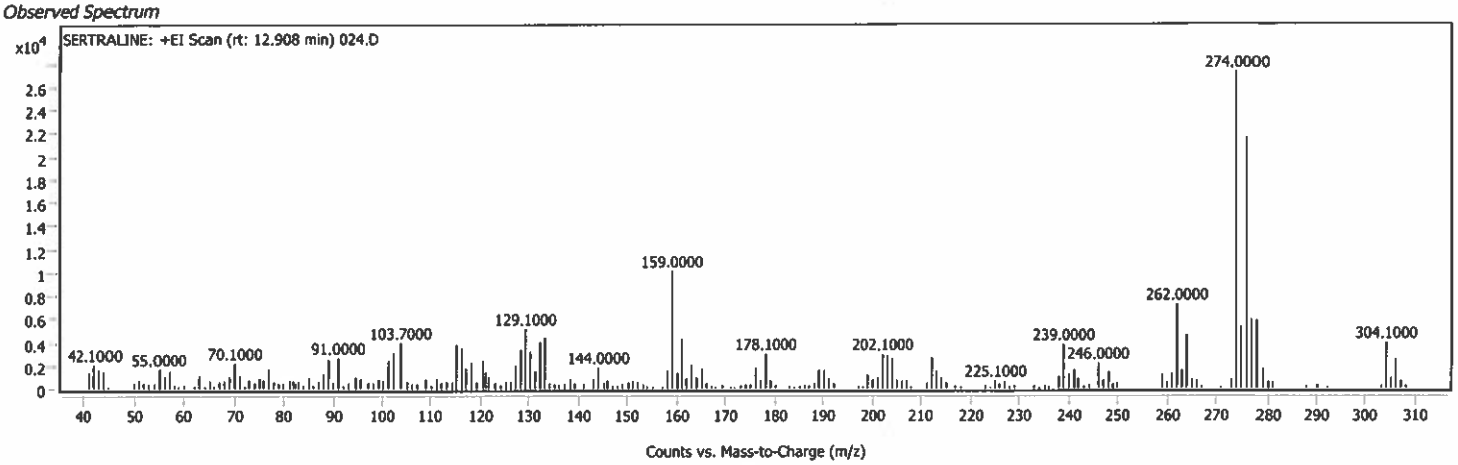
Analysis Report

Agilent

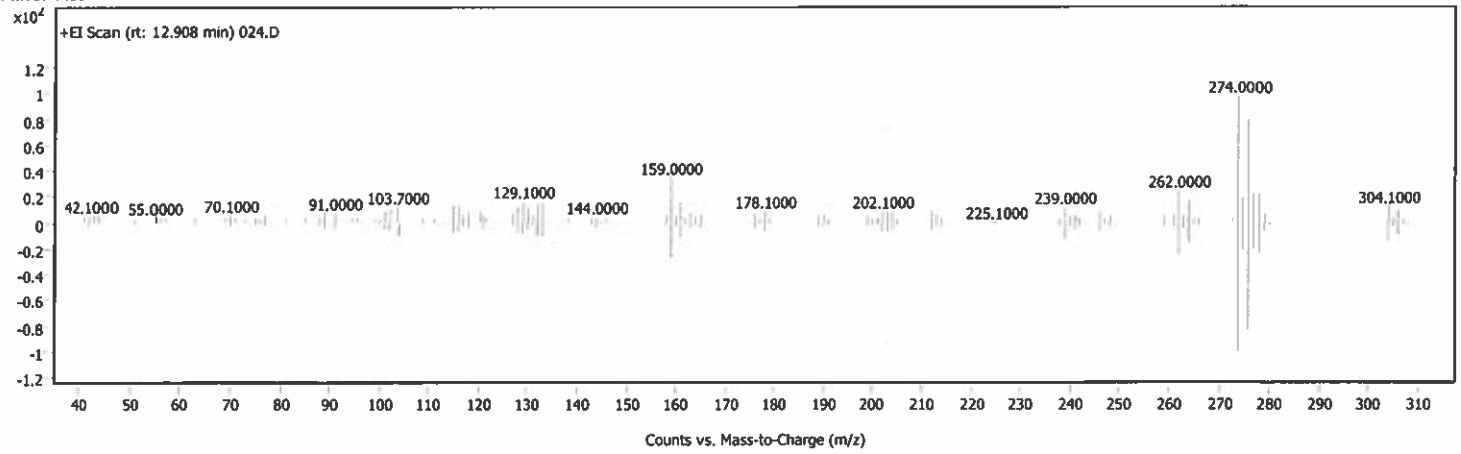
+ Scan (rt: 12.908 min) **SERTRALINE; C17H17Cl2N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
SERTRALINE	C17H17Cl2N	88.76	aafs.l	MATRIX 10 W/ IH CTL - LVR	KM/QC DATA IN XYLAZINE VALIDATION

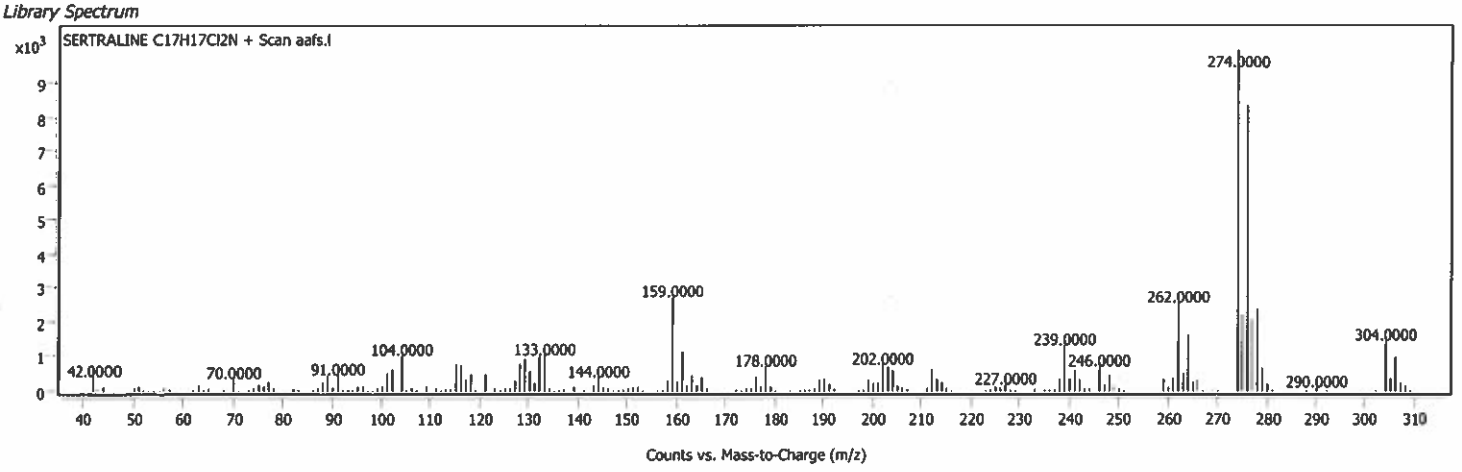
Observed Spectrum



Mirror Plot



Library Spectrum



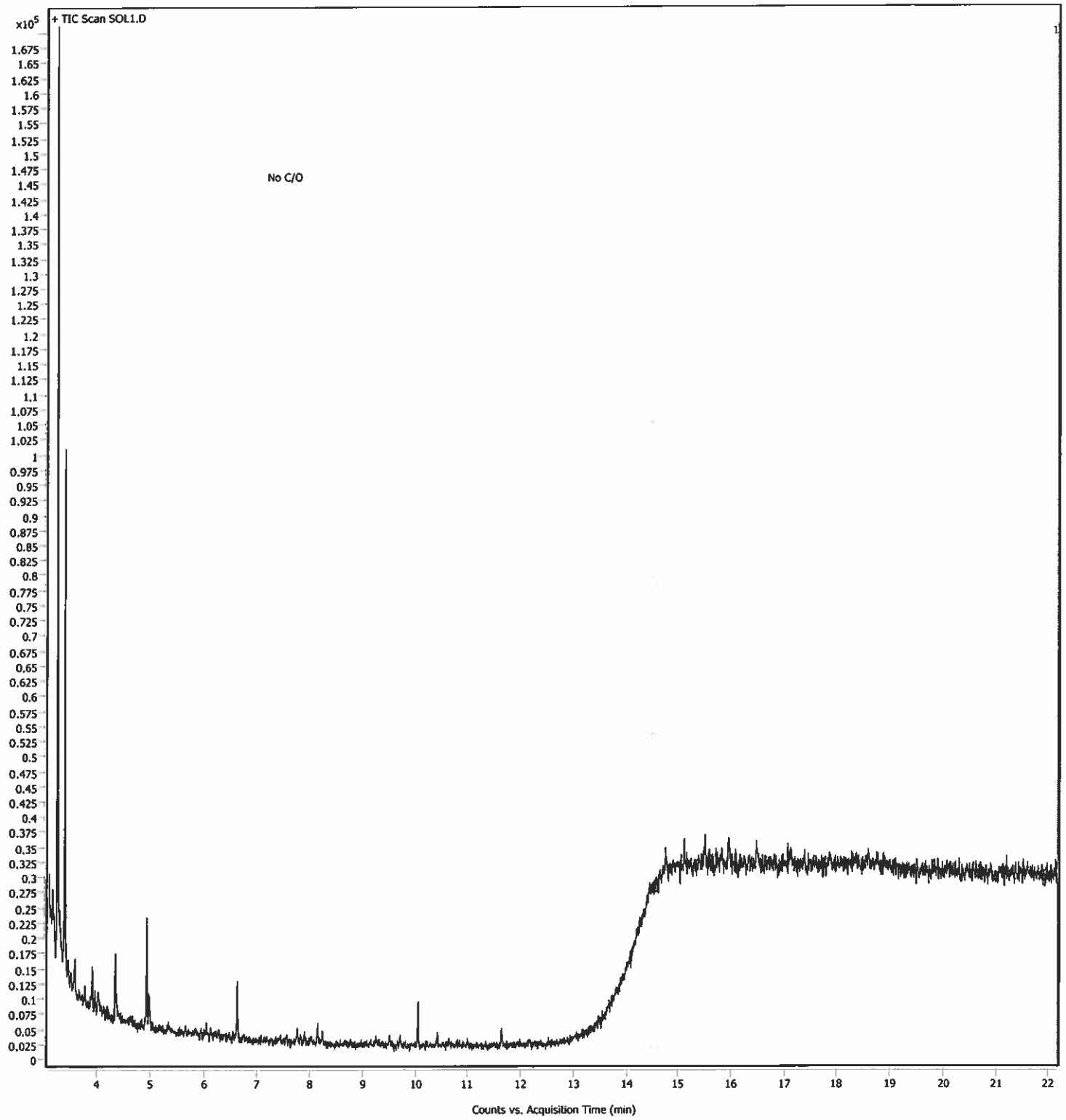
Analysis Report

Agilent

Sample Information

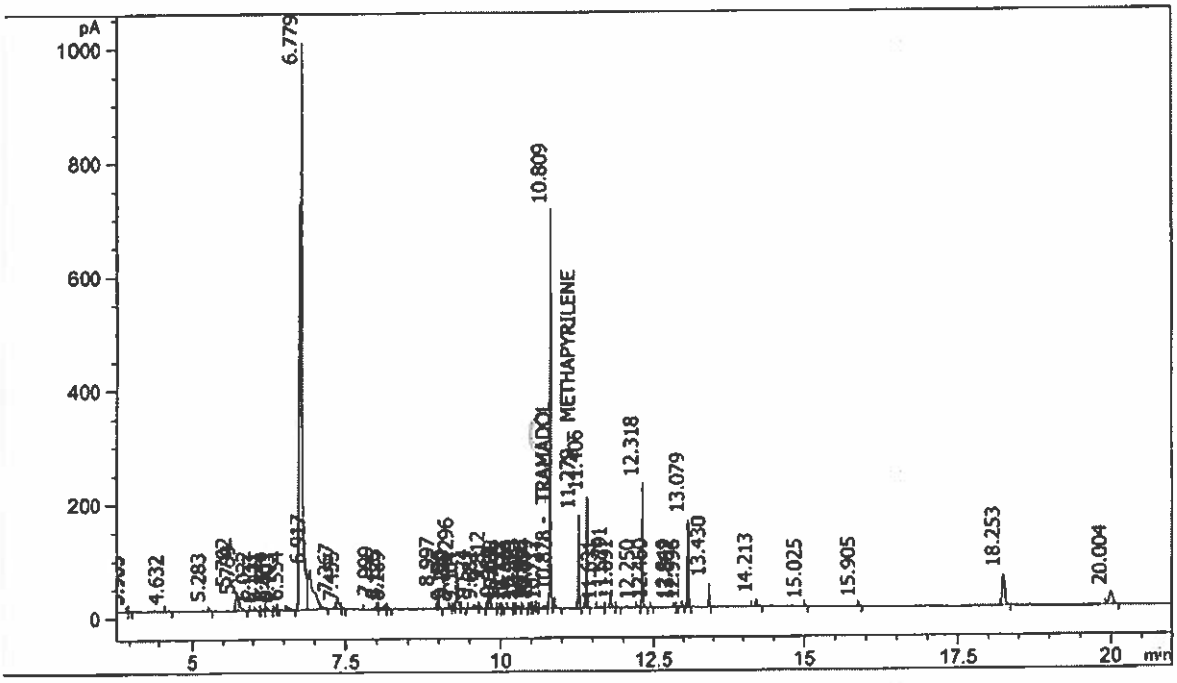
Sample Name	Solvent Blank 1	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\SOL1.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 12:26:18 AM (UTC-04:00)
Position	52	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Injection Date: 9/28/2021 11:53:23 PM Seq Line: 26
Sample Name: MATRIX 10 W/ IH CTL --> Vial 27
Sample Info:

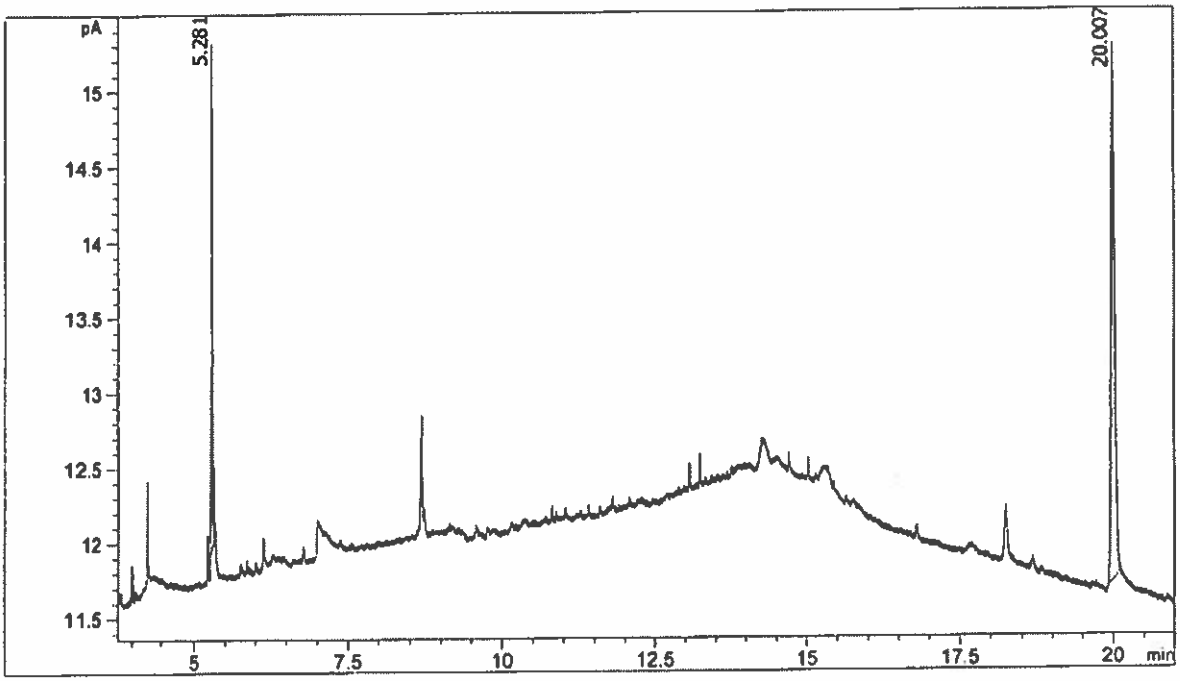
Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
10.878	11.033	36.176	20.639	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
11.279	11.278	191.207	163.954	1.000000	METHAPYRILENE

Injection Date: 9/29/2021 12:17:41 AM Seq Line: 27
Sample Name: SOLVENT BLANK 1 Vial 28
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

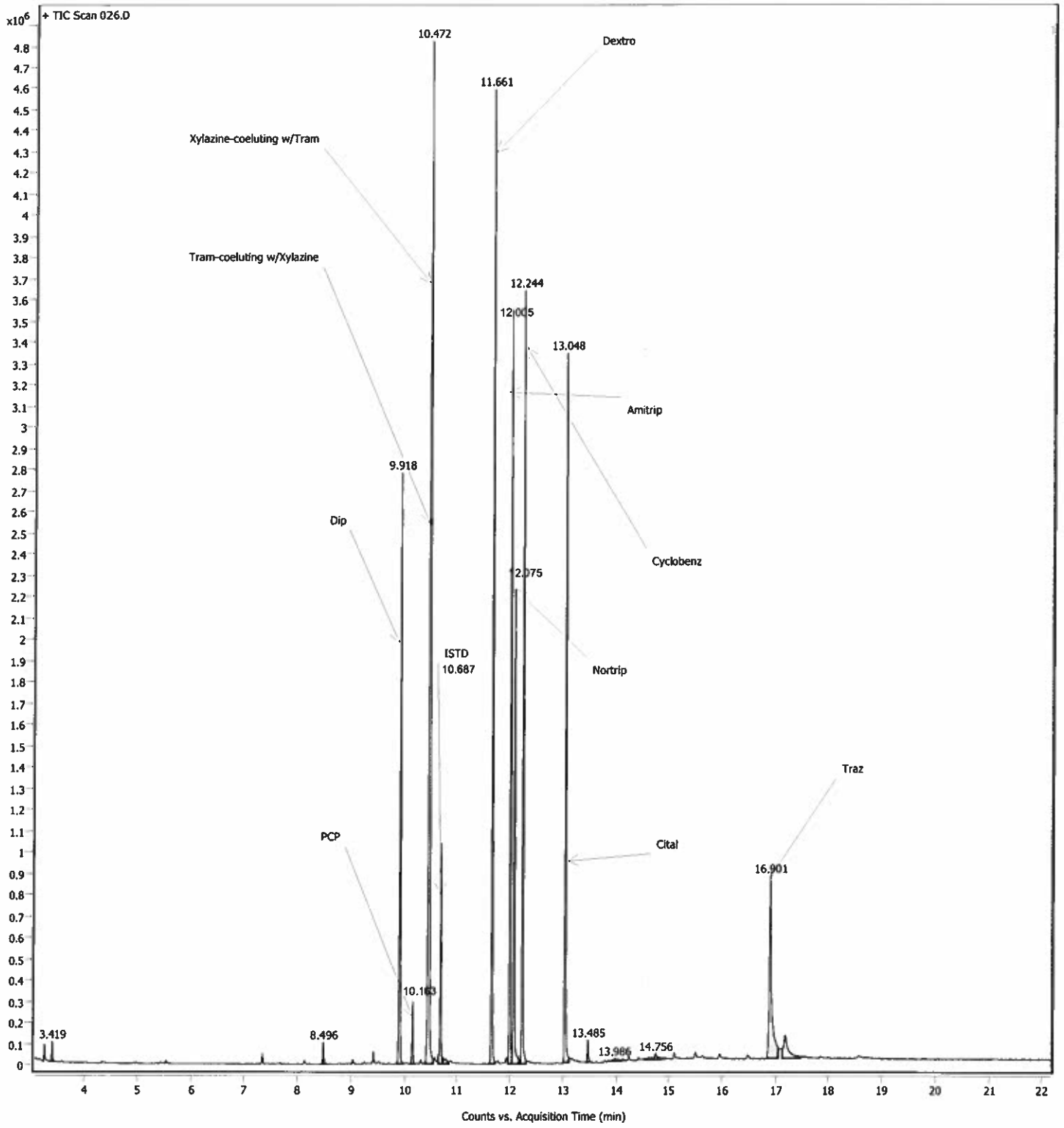
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2 W/ SW CTL + XYLAZINE - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\026.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 1:18:11 AM (UTC-04:00)
Position	54	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

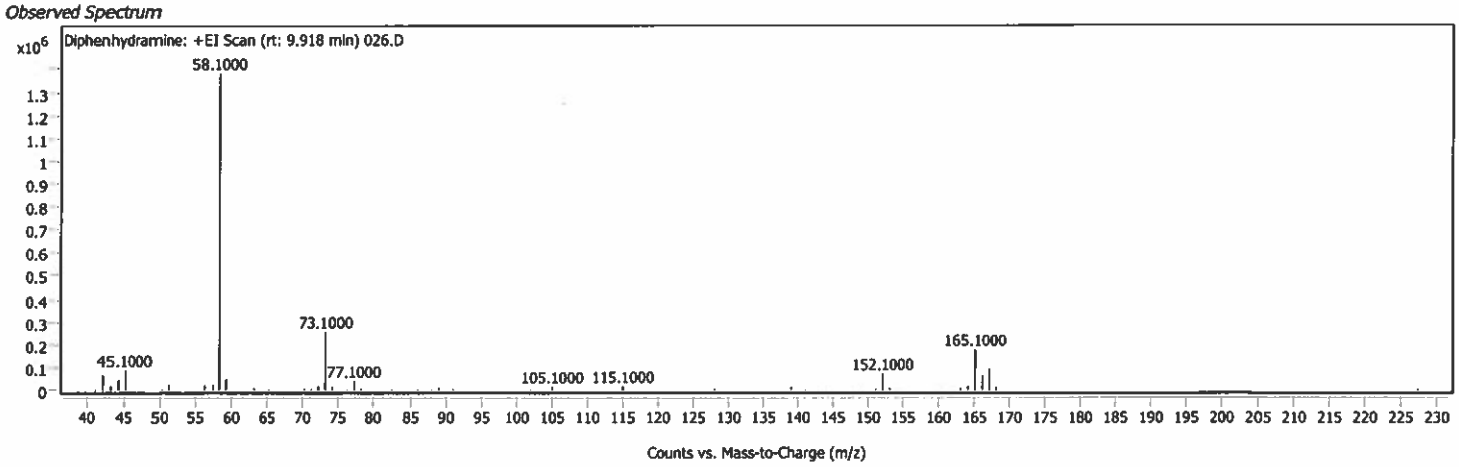
Agilent

Sample Spectra

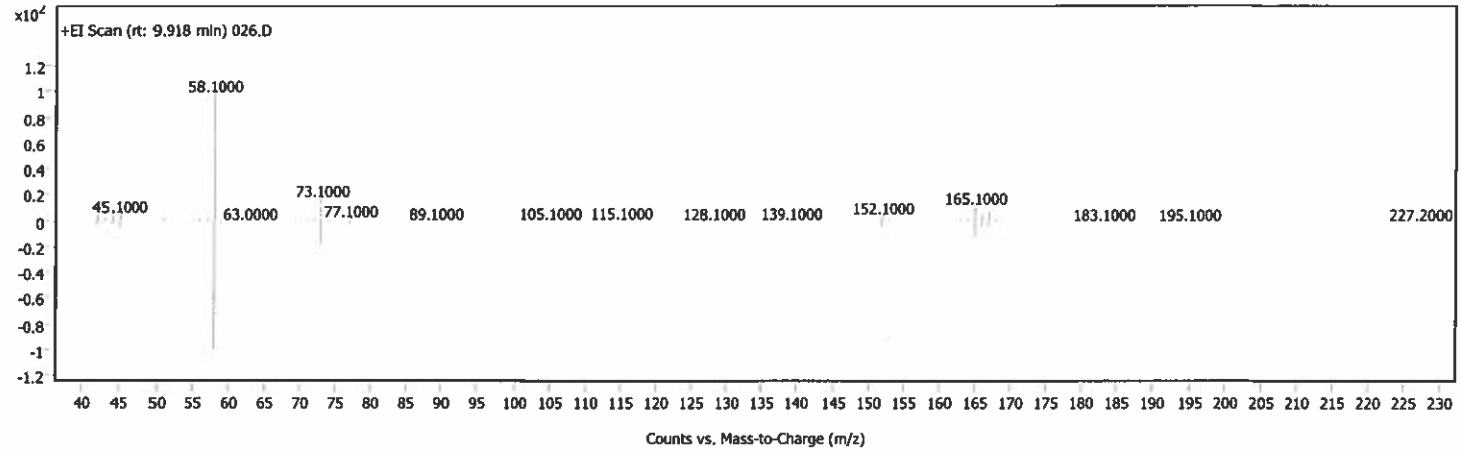
+ Scan (rt: 9.918 min) **Diphenhydramine; C17H21NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Diphenhydramine	C17H21NO	98.24	SWGDRUG 3.3.L	MATRIX 2 W/ SW CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

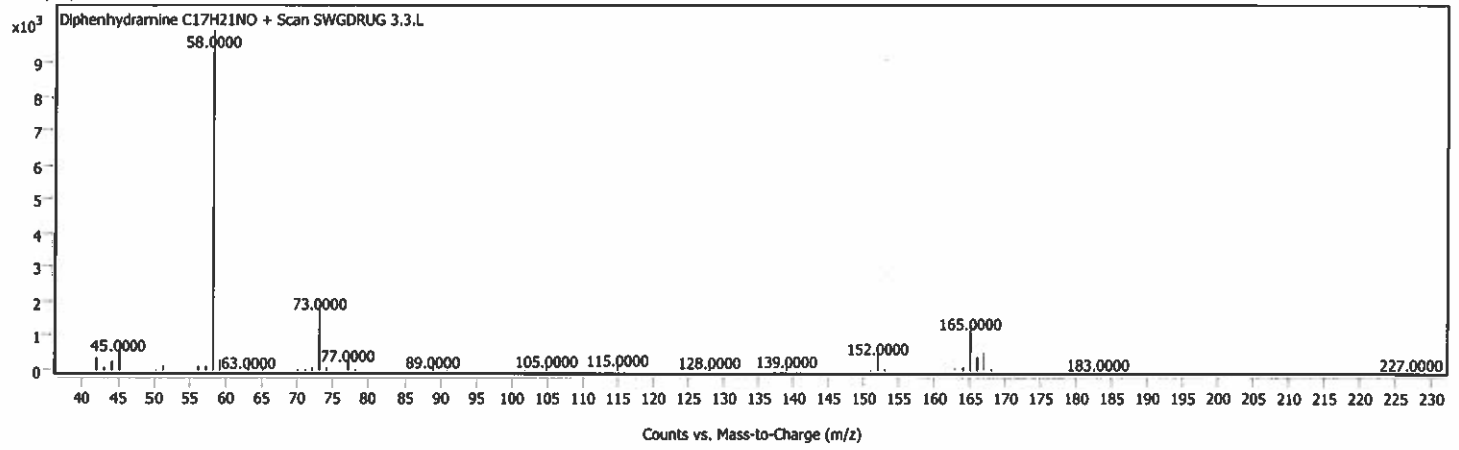
Observed Spectrum



Mirror Plot



Library Spectrum



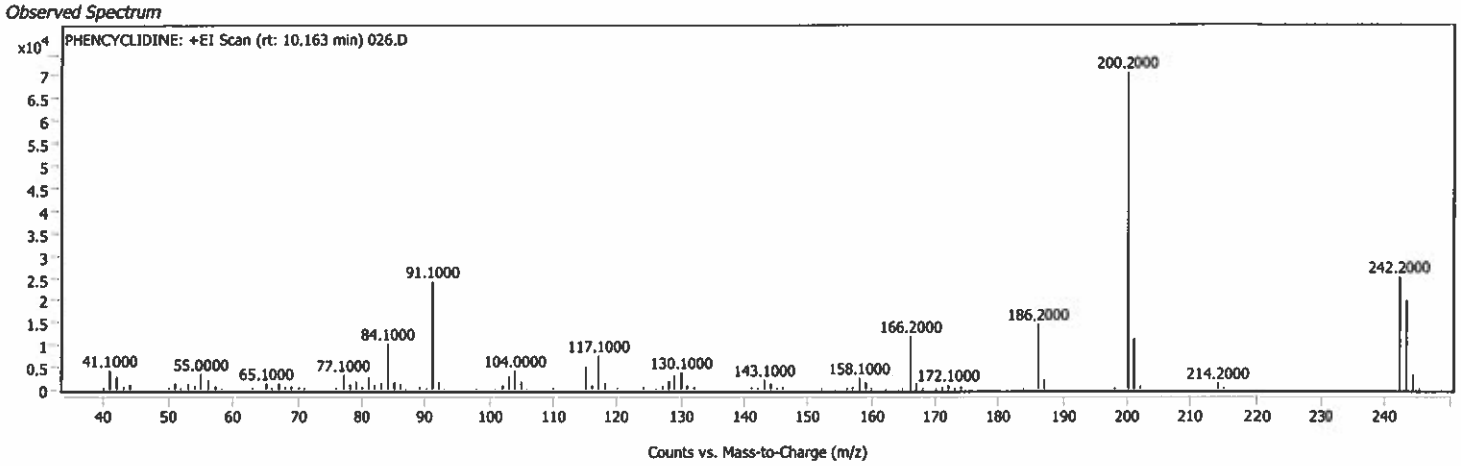
Analysis Report

Agilent

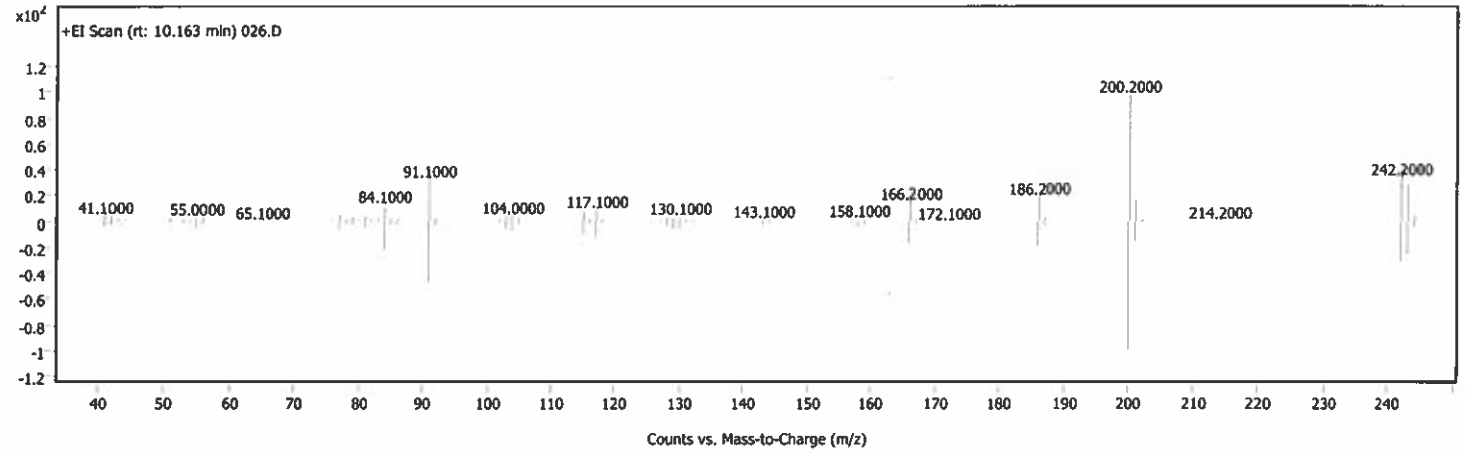
+ Scan (rt: 10.163 min) **PHENCYCLIDINE; C17H25N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
PHENCYCLIDINE	C17H25N	98.67	aafs.l	MATRIX 2 W/ SW CTL + XYLAZINE = BLD	KM/QC DATA IN XYLAZINE VALIDATION

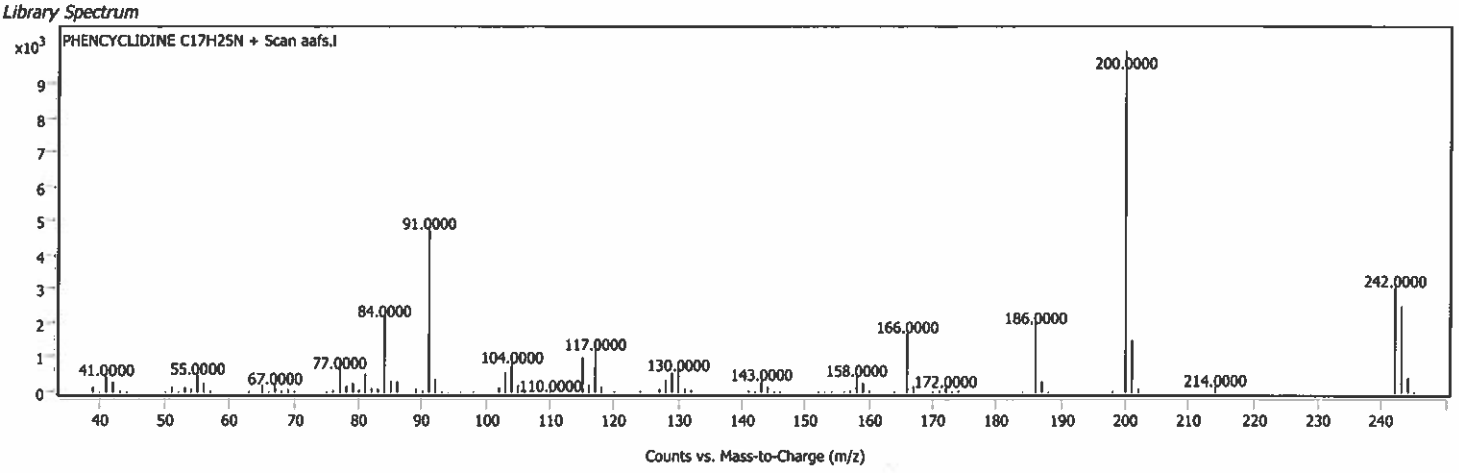
Observed Spectrum



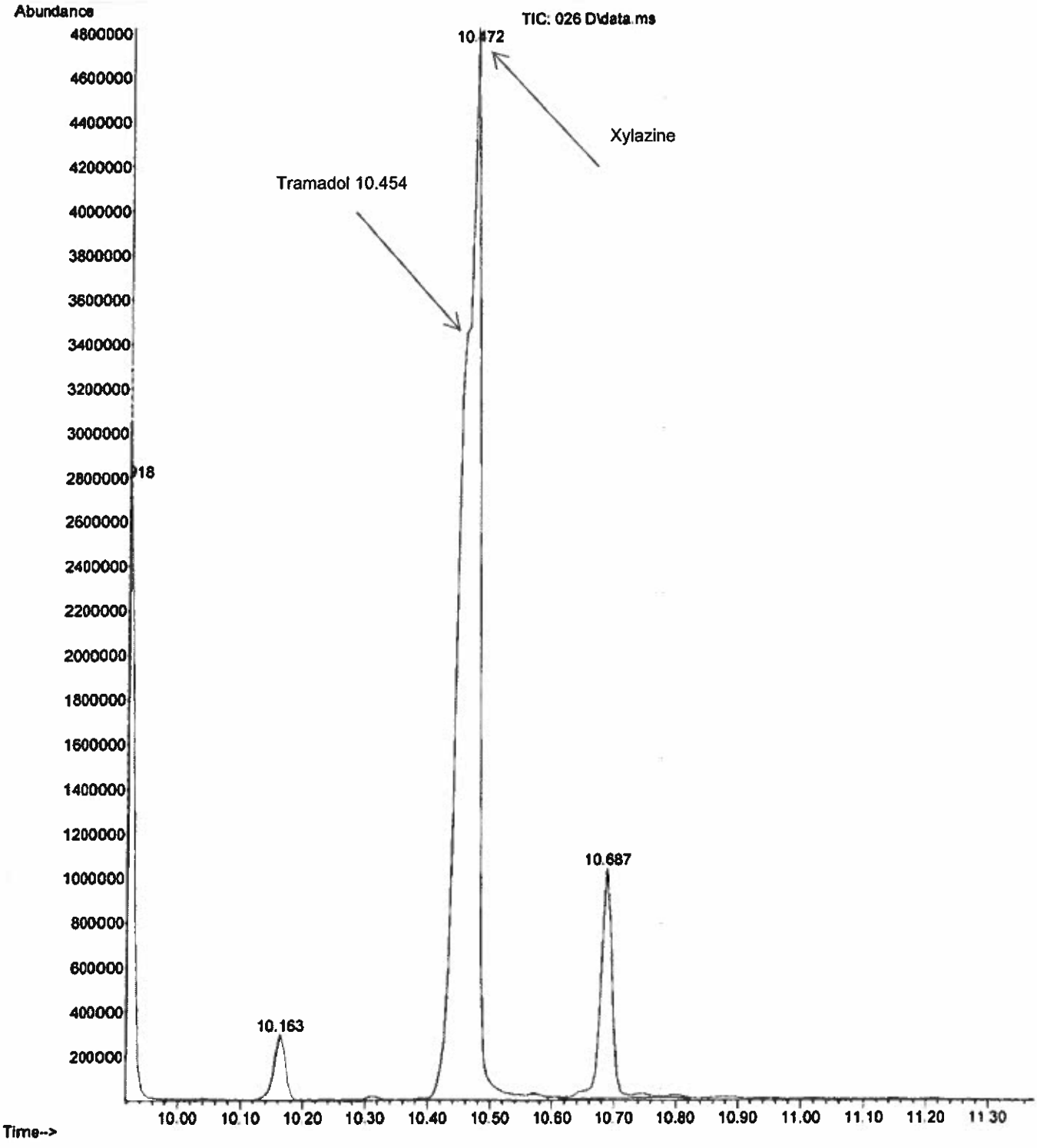
Mirror Plot



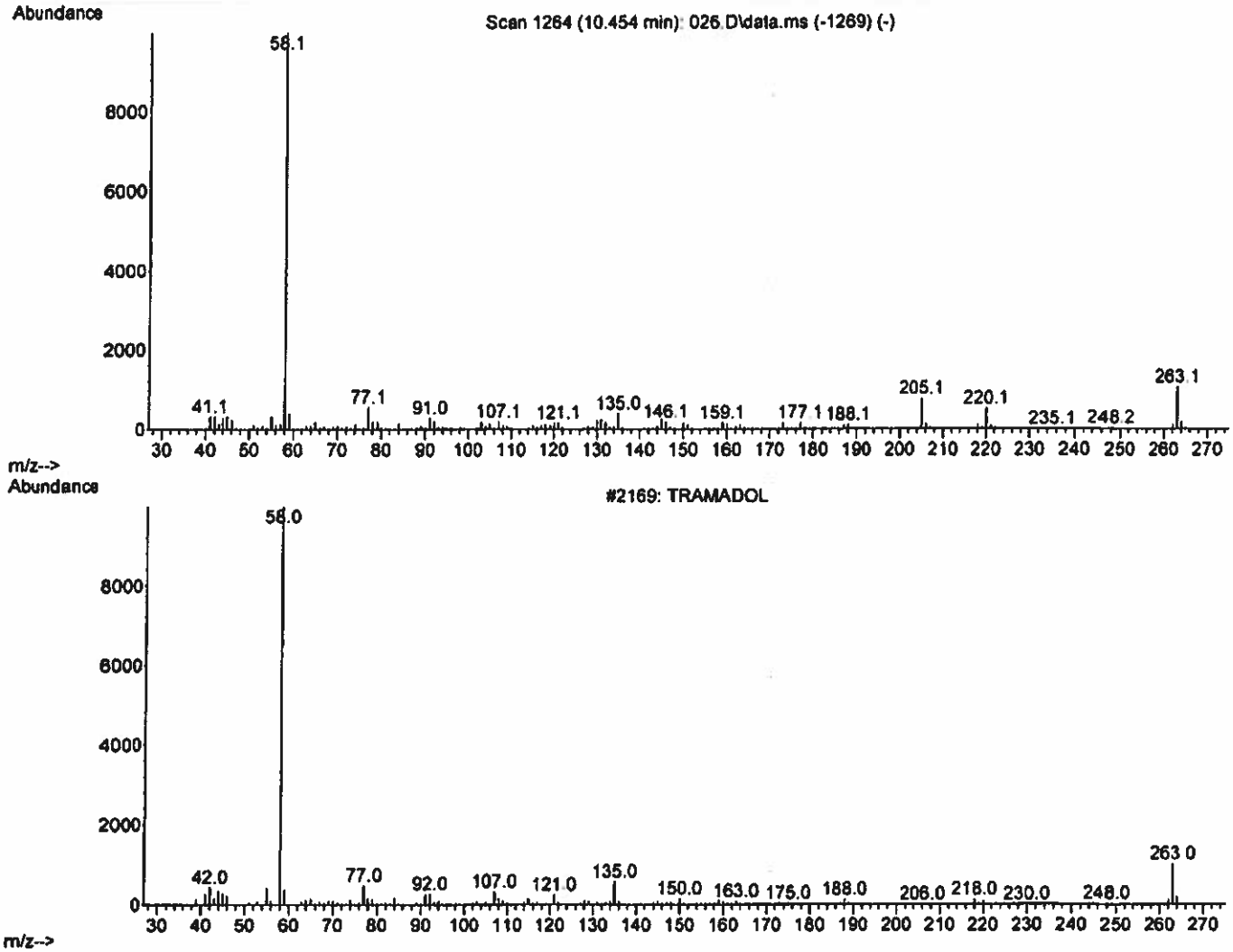
Library Spectrum



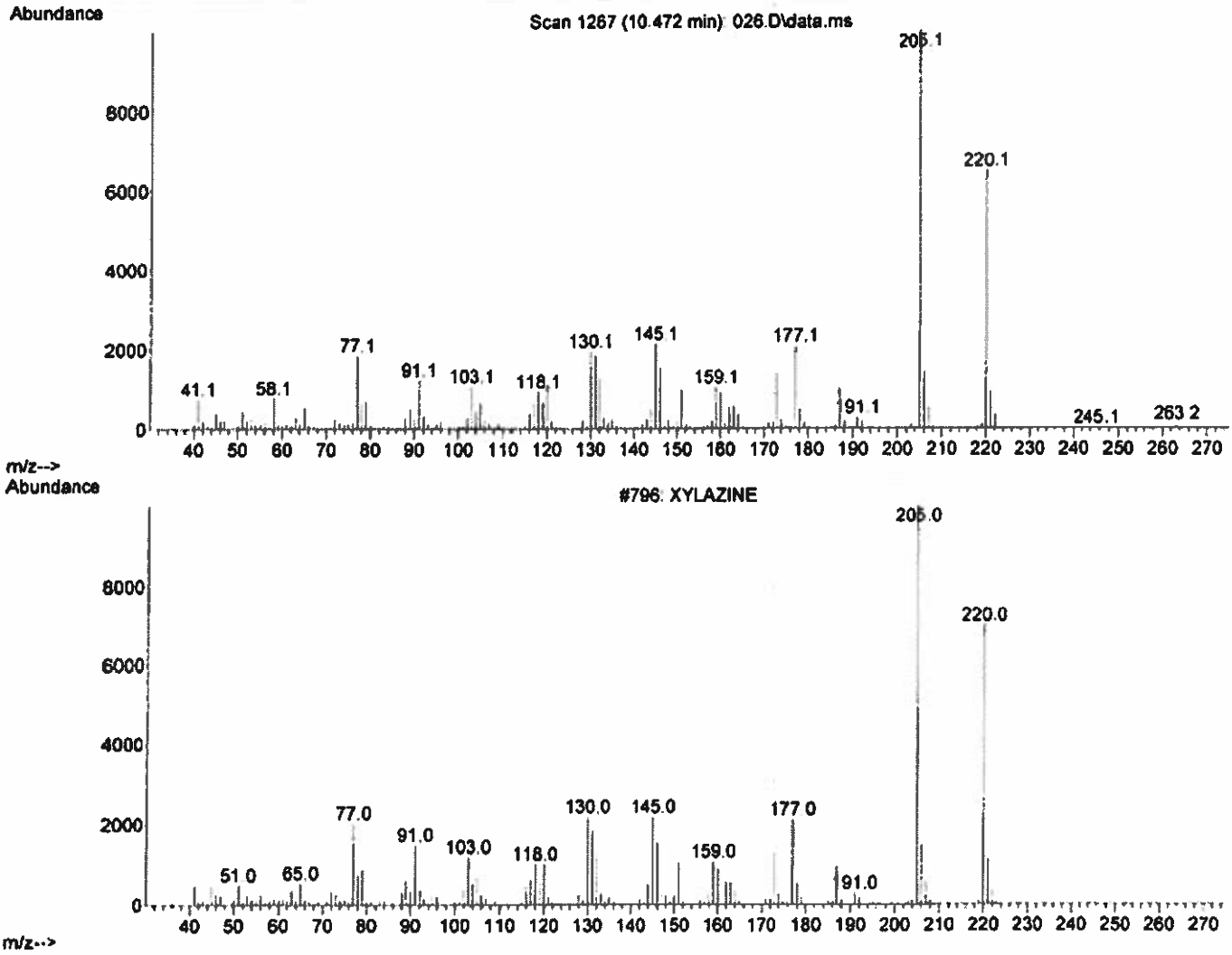
File :C:\Users\TOX\Desktop\092821\026.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 29 Sep 2021 01:18 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX 2 W/ SW CTL + XYLAZINE - BLD
Misc Info : 2.0 mg/L - 400uL of 0.01 mg/mL CTL, plus 400uL 0.1 mg/mL XYLAZINE
Vial Number: 54



Library Searched : C:\MassHunter\Library\aafs.l
Quality : 95
ID : TRAMADOL
Sample Name: MATRIX 2 W/ SW CTL + XYLAZINE - BLD
File: C:\Users\TOX\Desktop\092821\026.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 01:18
Vial: 54



Library Searched : C:\MassHunter\Library\aafs.l
Quality : 99
ID : XYLAZINE
Sample Name: MATRIX 2 W/ SW CTL + XYLAZINE - BLD
File: C:\Users\TOX\Desktop\092821\026.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 01:18
Vial: 54



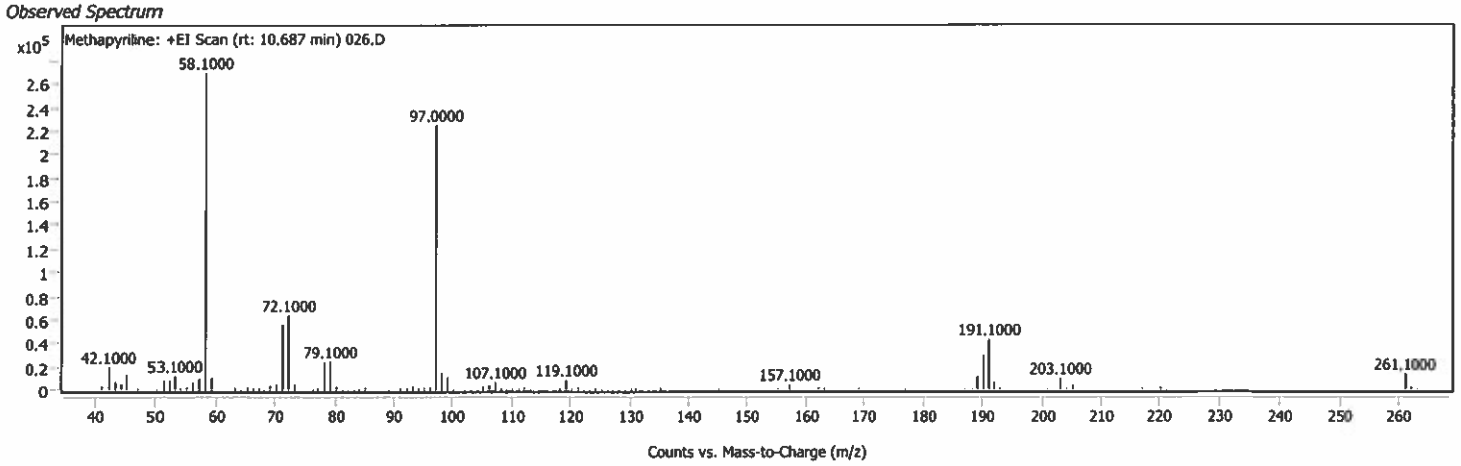
Analysis Report

Agilent

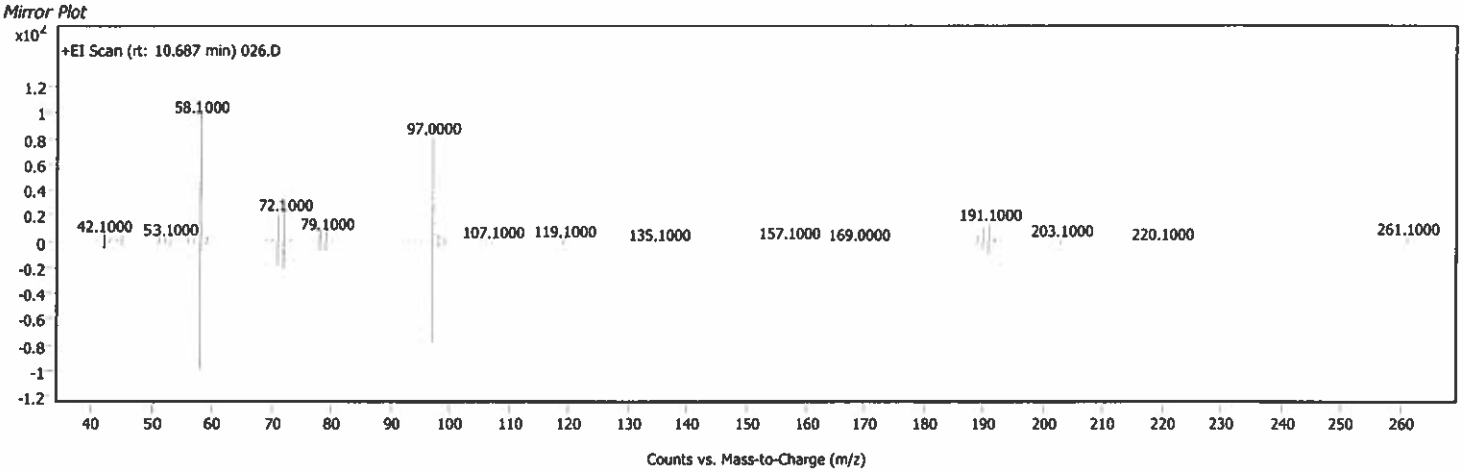
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	97.32	SWGDRUG 3.3.L	MATRIX 2 W/ SW CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

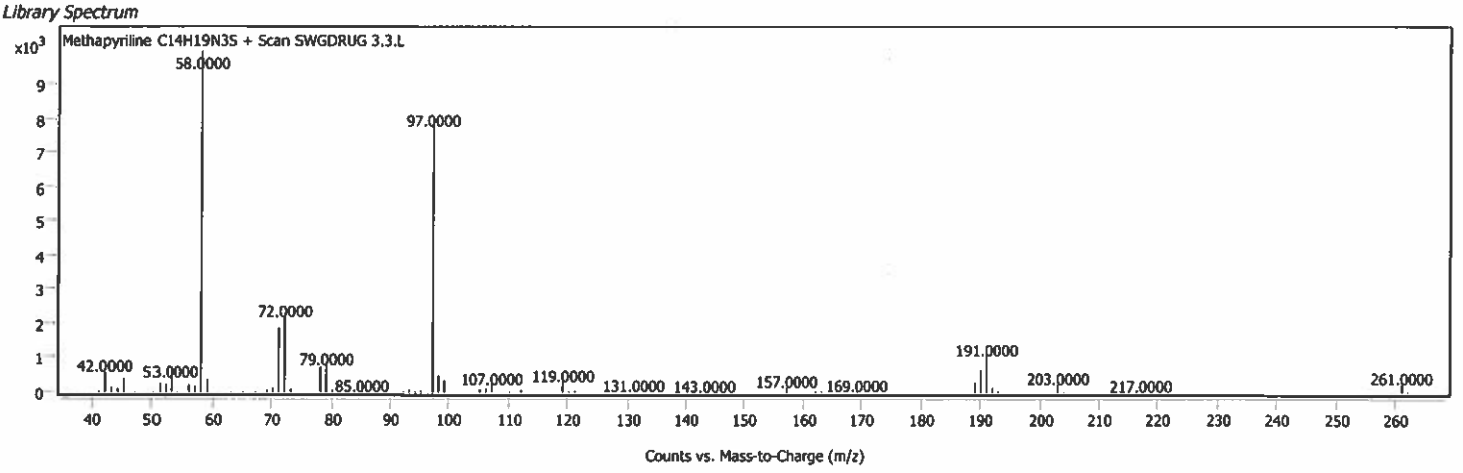
Observed Spectrum



Mirror Plot



Library Spectrum



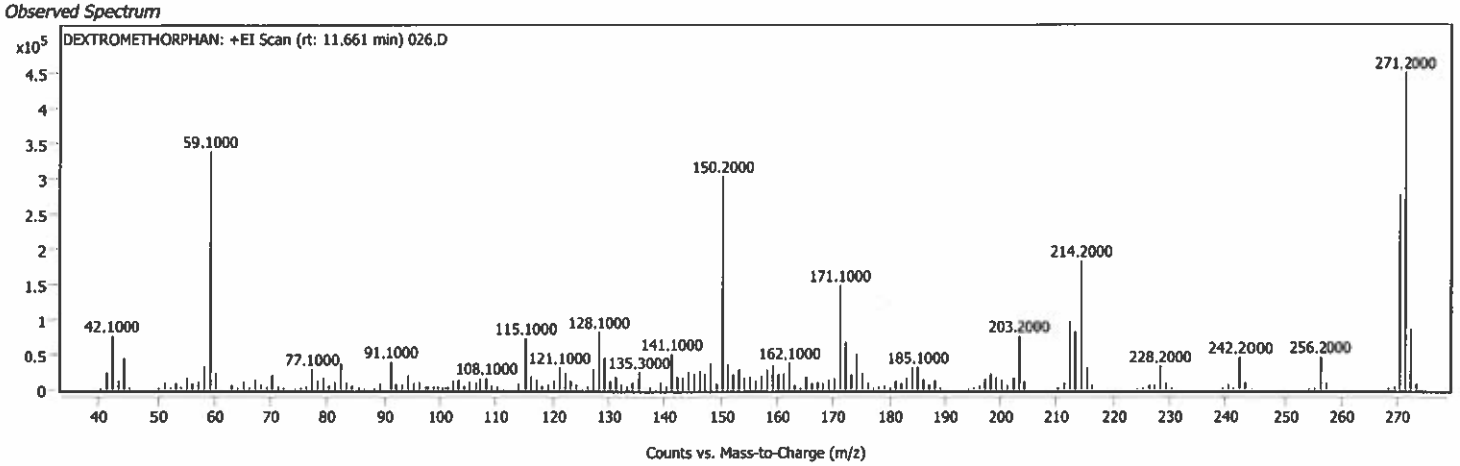
Analysis Report

Agilent

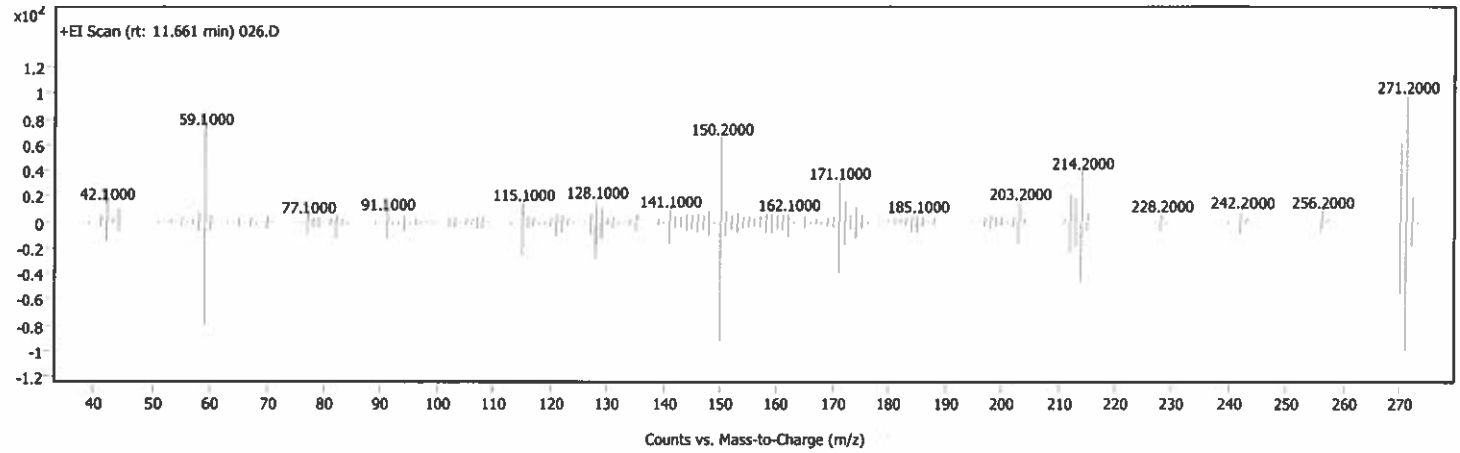
+ Scan (rt: 11.661 min) **DEXTROMETHORPHAN; C18H25NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DEXTROMETHORPHAN	C18H25NO	92.25	aafs.l	MATRIX 2 W/ SW CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

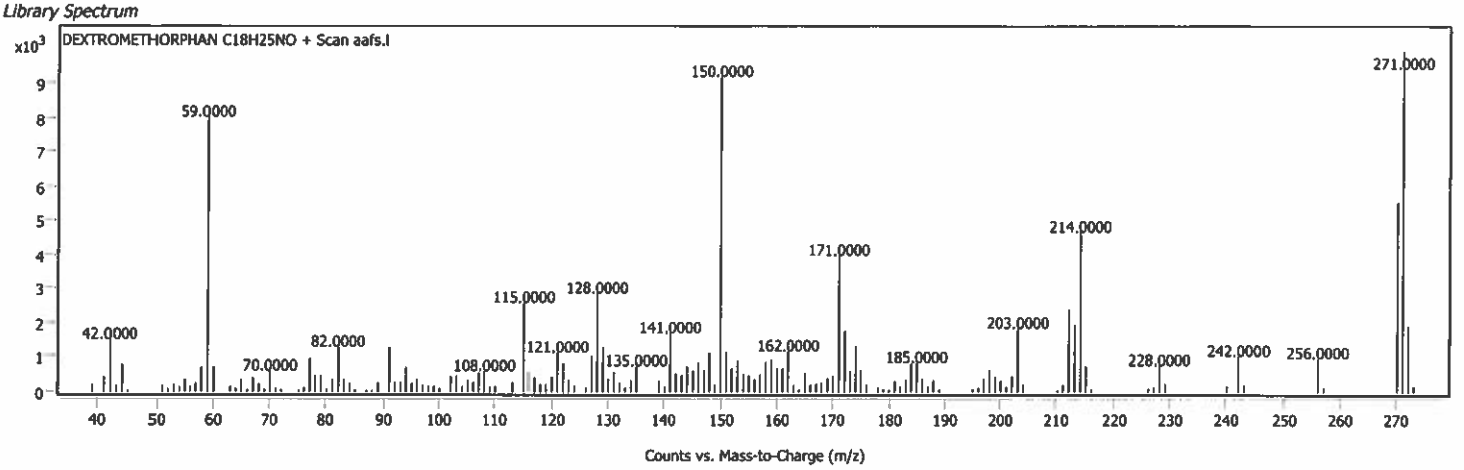
Observed Spectrum



Mirror Plot



Library Spectrum



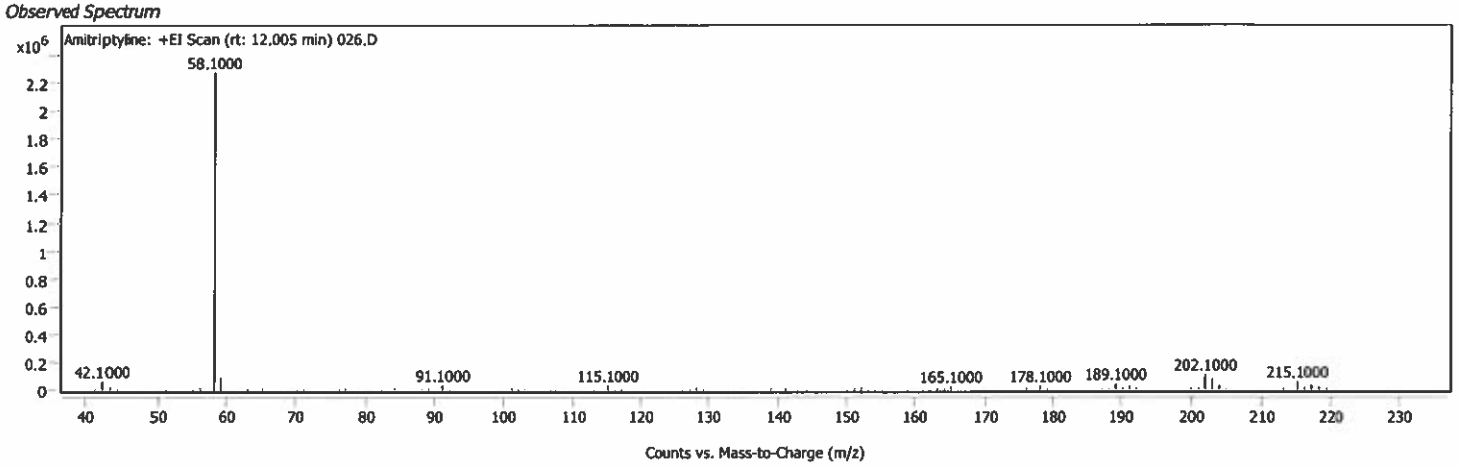
Analysis Report

Agilent

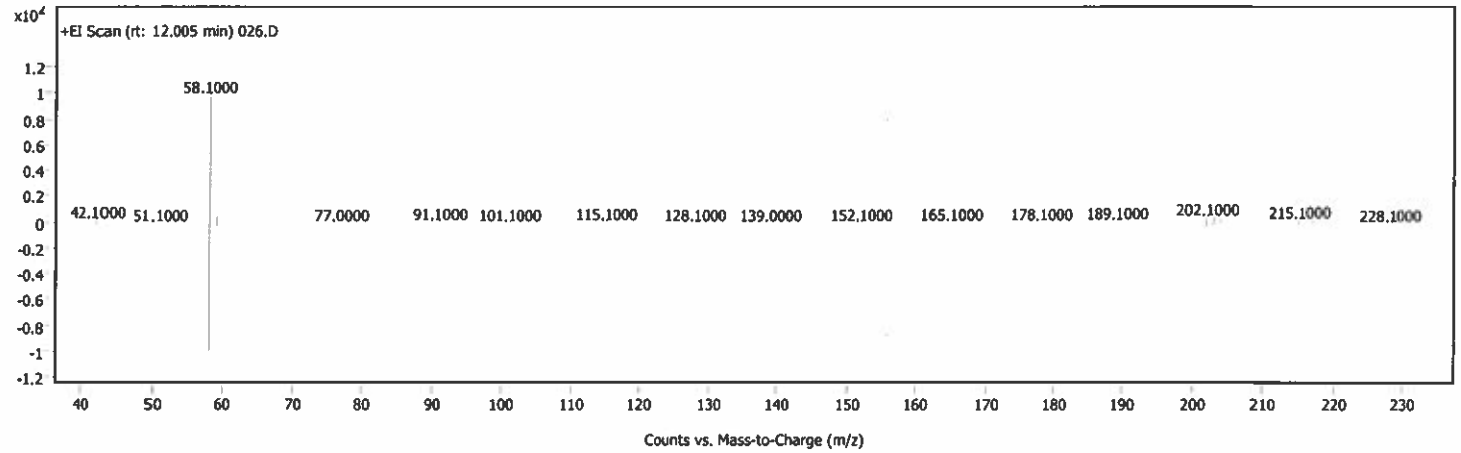
+ Scan (rt: 12.005 min) **Amitriptyline; C20H23N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Amitriptyline	C20H23N	98.16	SWGDRUG 3.3.L	MATRIX 2 W/ SW CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

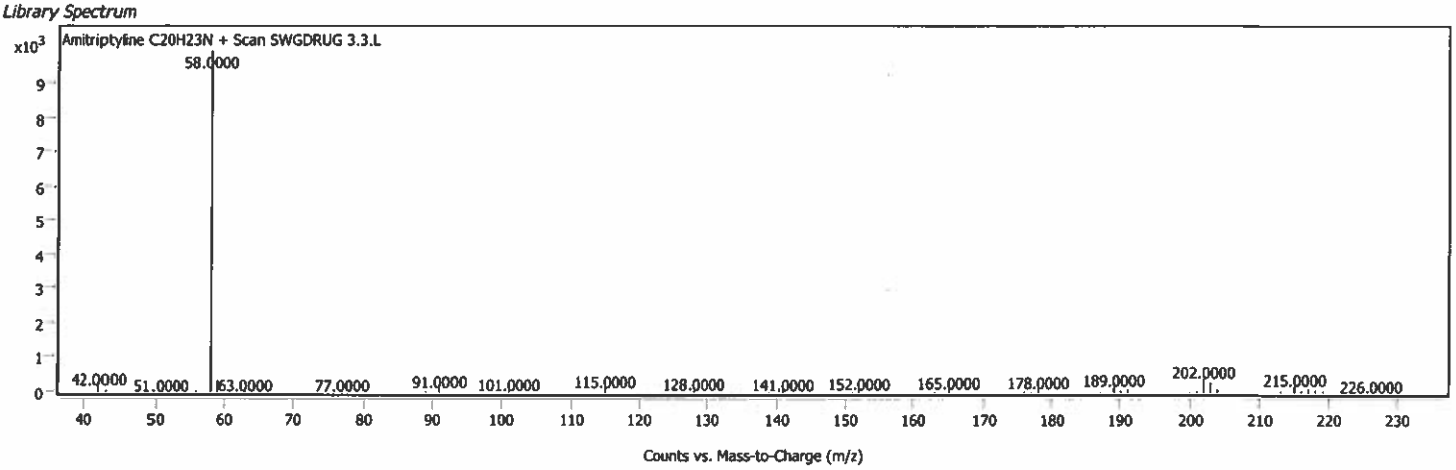
Observed Spectrum



Mirror Plot



Library Spectrum



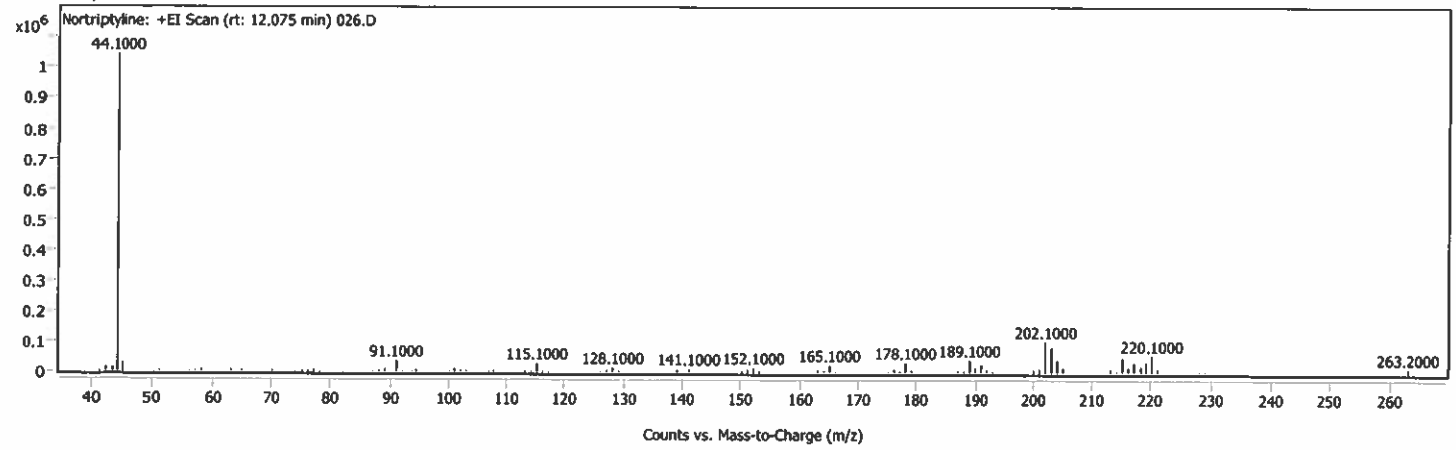
Analysis Report

Agilent

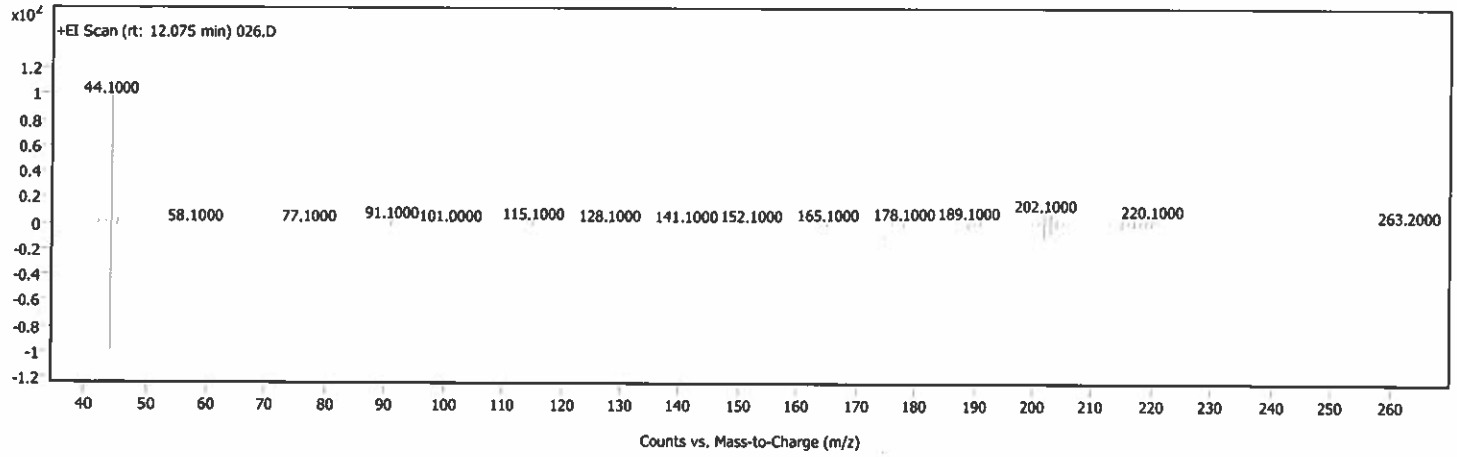
+ Scan (rt: 12.075 min) **Nortriptyline; C19H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Nortriptyline	C19H21N	97.29	SWGDRUG 3.3.L	MATRIX 2 W/ SW CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

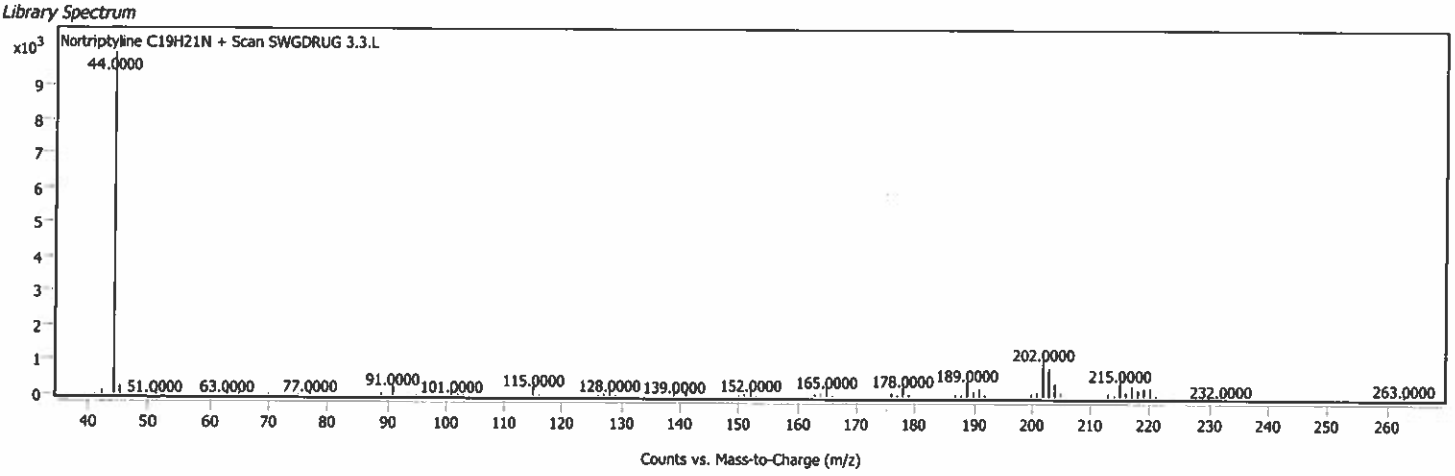
Observed Spectrum



Mirror Plot



Library Spectrum



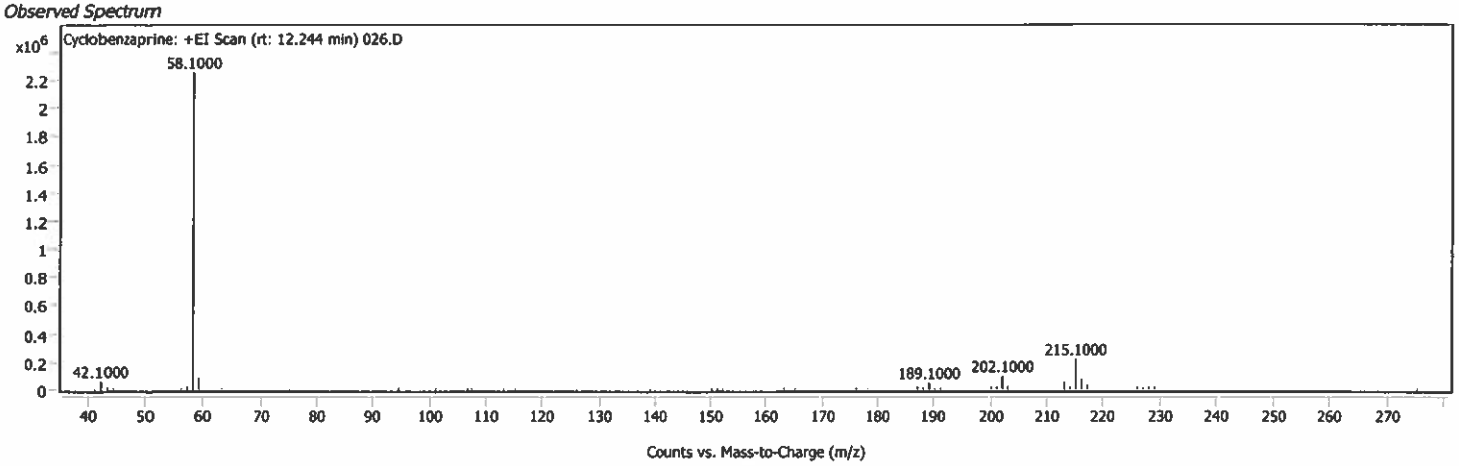
Analysis Report

Agilent

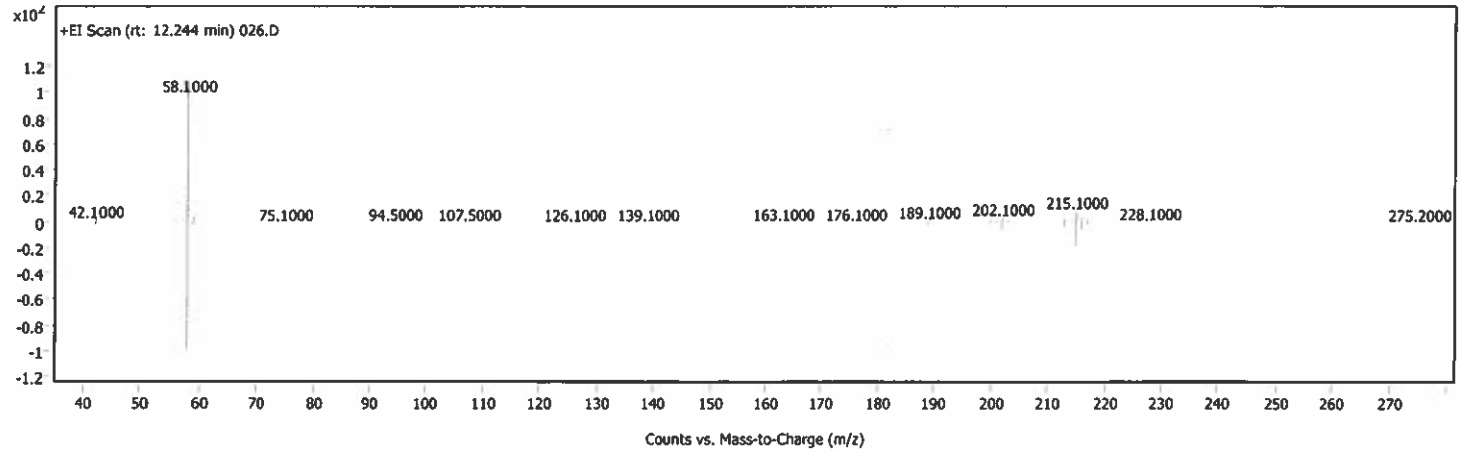
+ Scan (rt: 12.244 min) **Cyclobenzaprine; C20H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Cyclobenzaprine	C20H21N	96.72	SWGDRUG 3.3.L	MATRIX 2 W/ SW CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

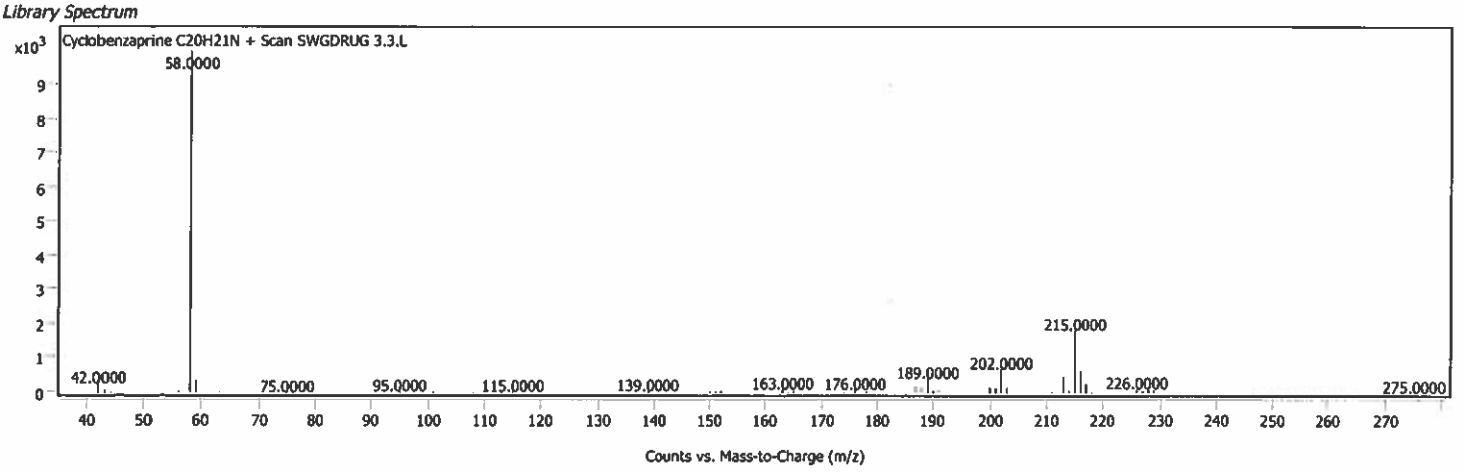
Observed Spectrum



Mirror Plot



Library Spectrum



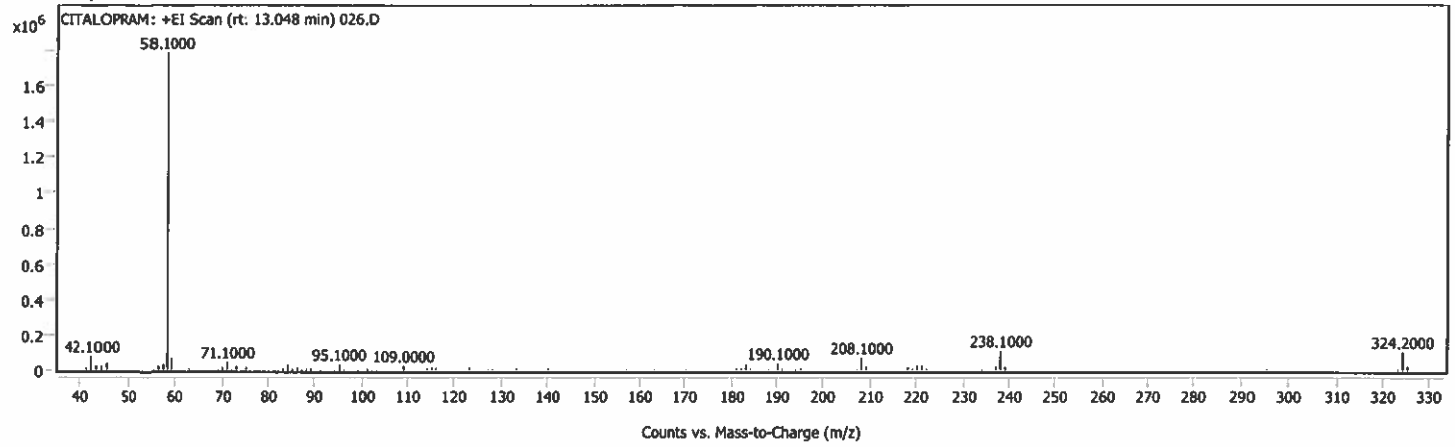
Analysis Report

Agilent

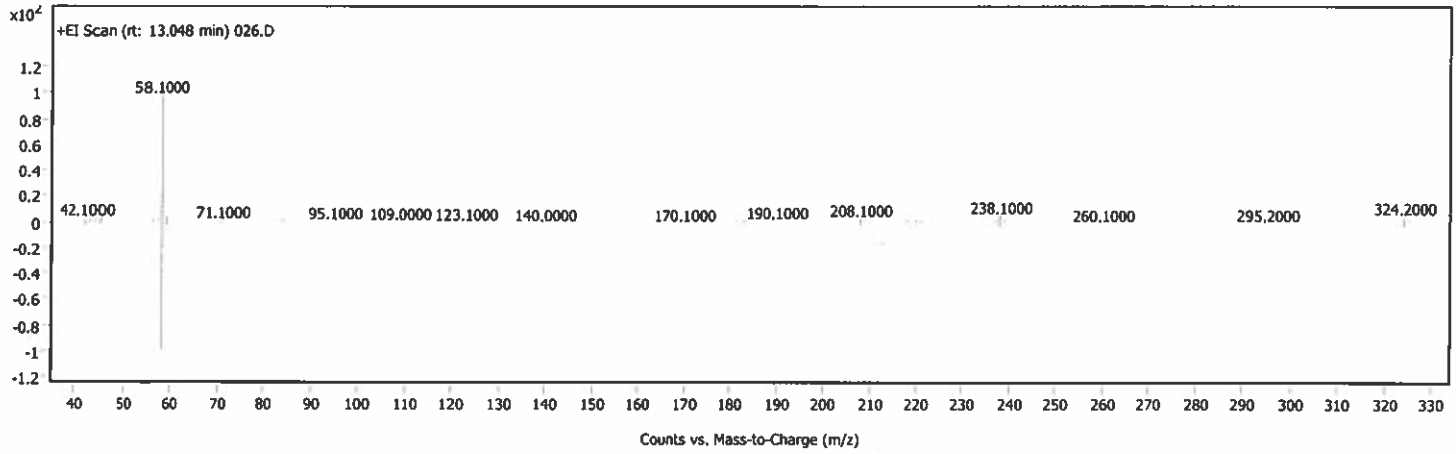
+ Scan (rt: 13.048 min) **CITALOPRAM; C20H21FN2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CITALOPRAM	C20H21FN2O	96.79	aafs.l	MATRIX 2 W/ SW CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

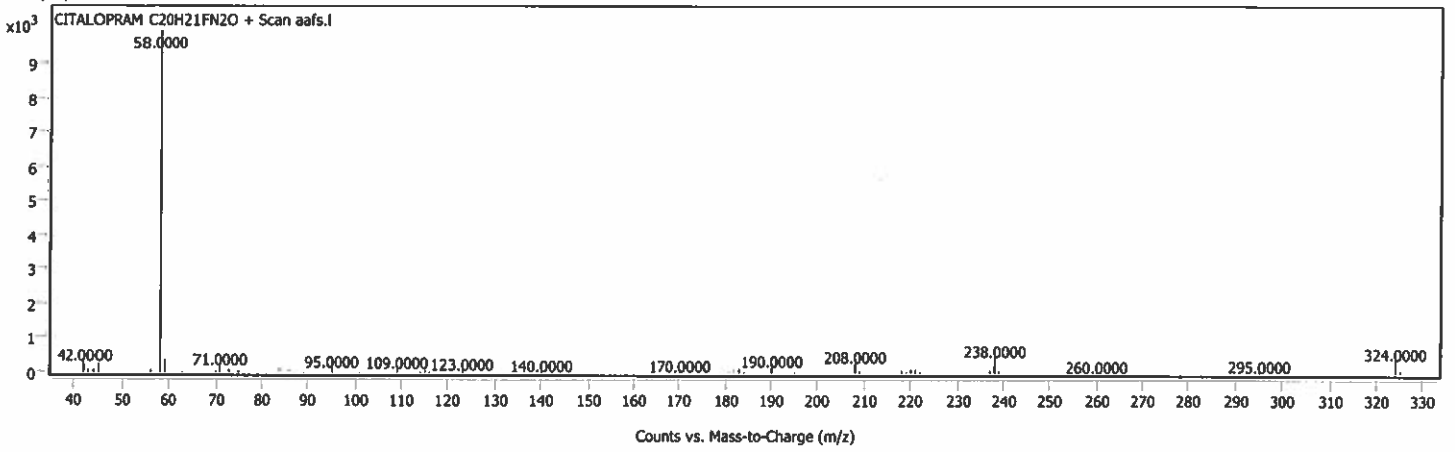
Observed Spectrum



Mirror Plot



Library Spectrum



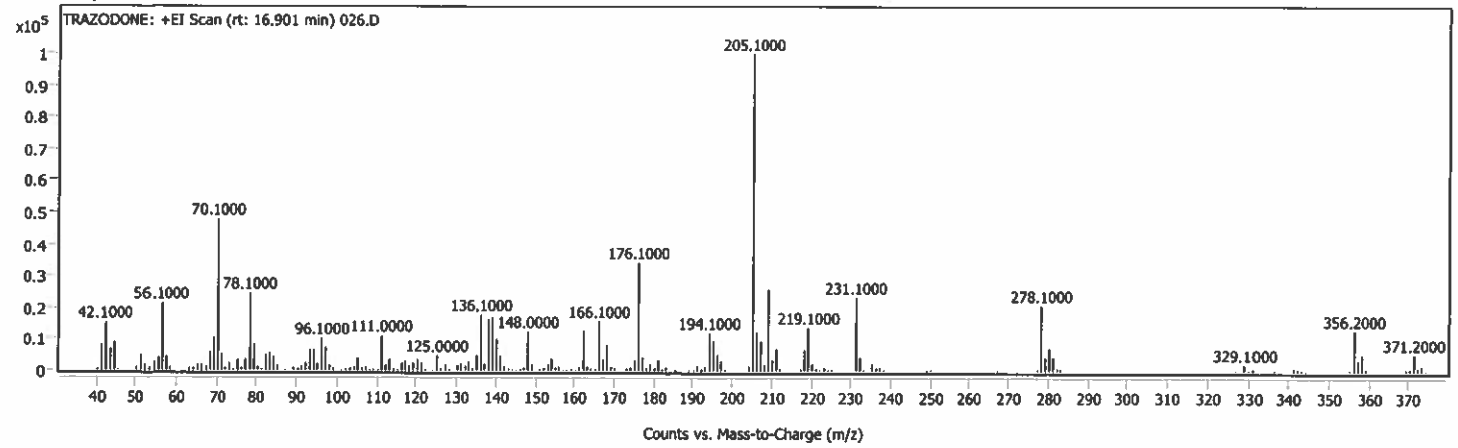
Analysis Report

Agilent

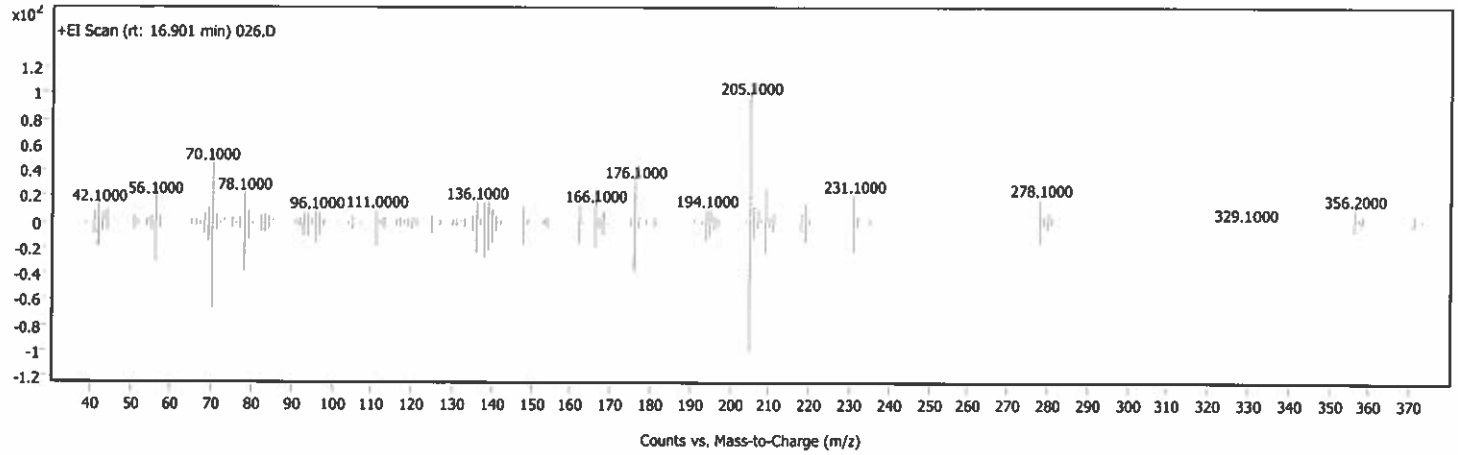
+ Scan (rt: 16.901 min) **TRAZODONE**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
TRAZODONE		94.29	aafs.l	MATRIX 2 W/ SW CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

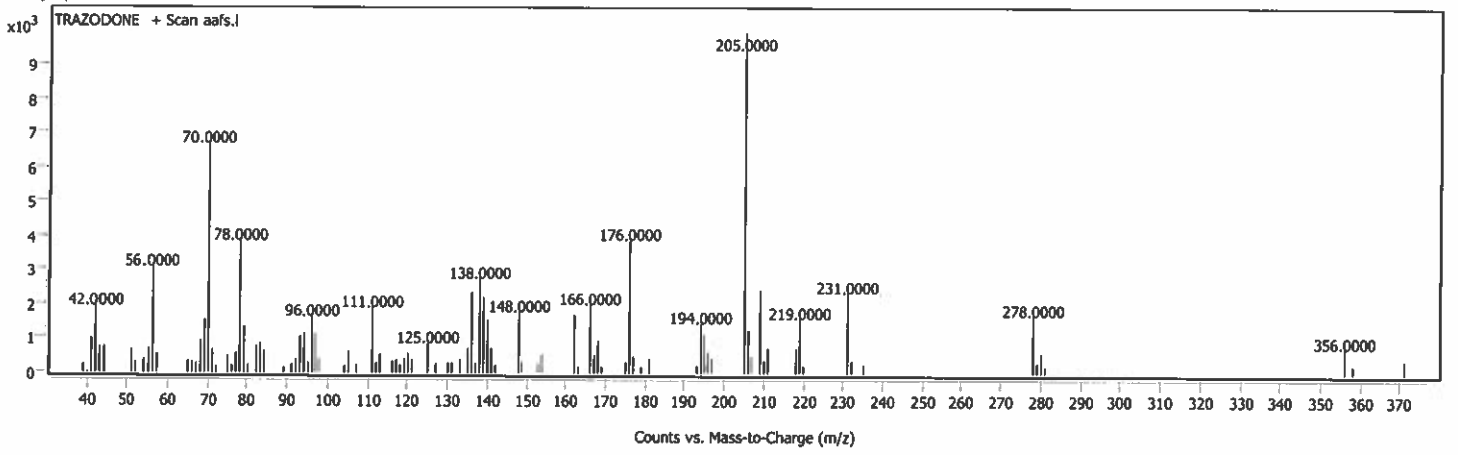
Observed Spectrum



Mirror Plot

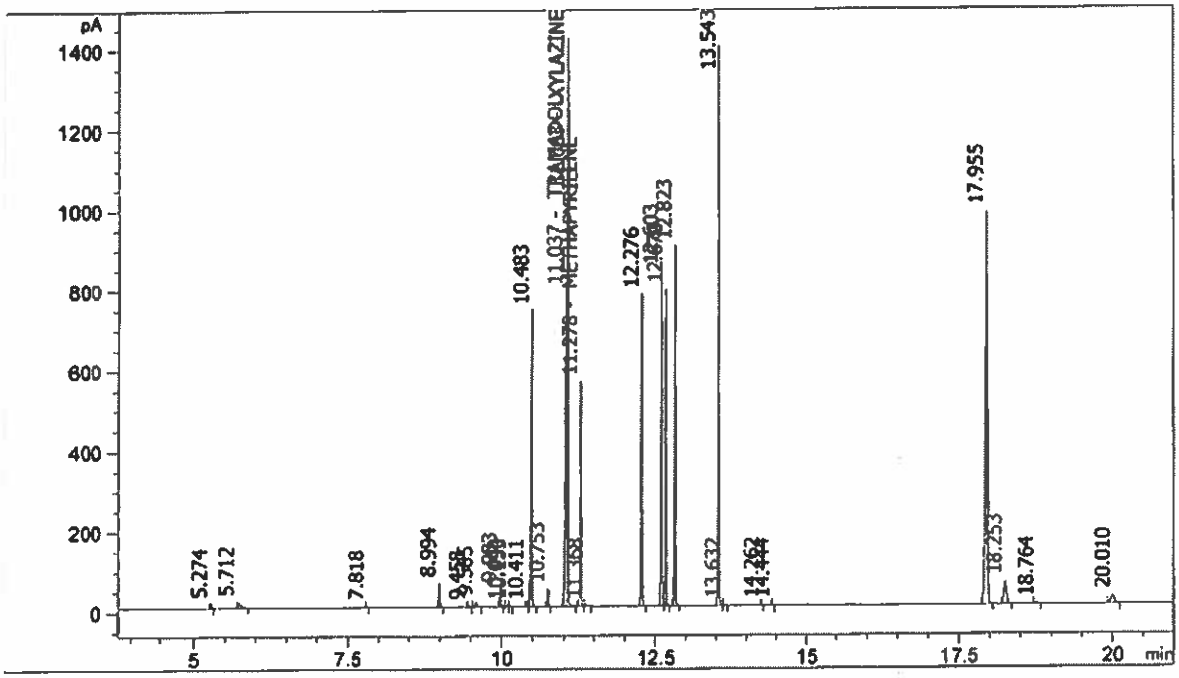


Library Spectrum



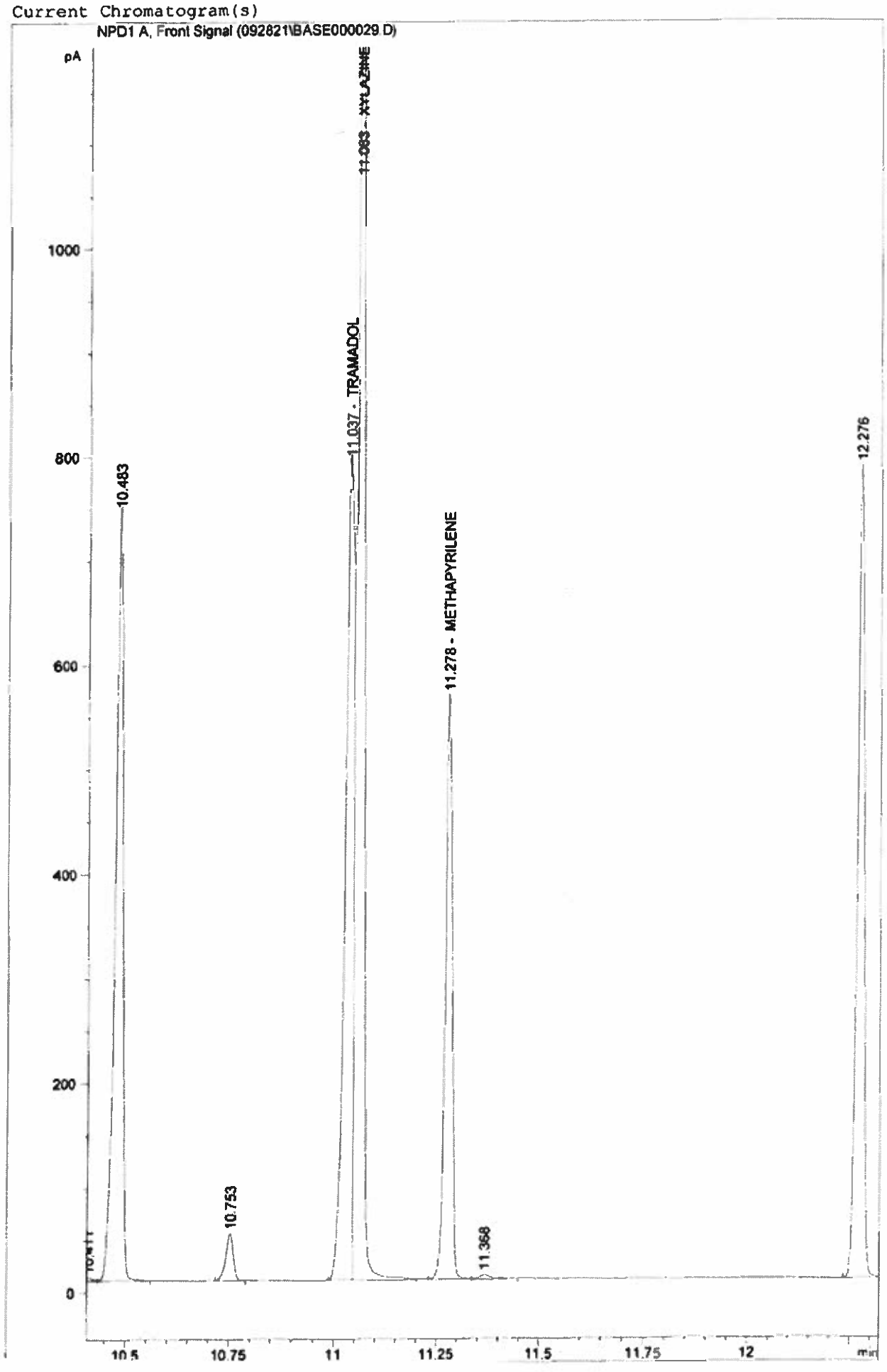
Injection Date: 9/29/2021 1:06:20 AM Seq Line: 29
Sample Name: MATRIX 2 W/ SW CTL + -> Vial 30
Sample Info: xylazine KM 11/17/22

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



see expanded chromatogram on following page

RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.037	11.033	1085.410	785.224	0.000000	TRAMADOL RRT - 0.9786
11.063	11.046	1667.894	1410.112	0.000000	XYLAZINE RRT- 0.9809
11.278	11.278	654.919	558.788	1.000000	METHAPYRILENE


Current Chromatogram(s)
NPD1 A, Front Signal (092821\BASE000029.D)
pA
1000
800
600
400
200
0
10.483
10.753
11.037 - TRAMADOL
11.083 - XYLAZINE
11.278 - METHAPYRILENE
11.368
12.276
10.5
10.75
11
11.25
11.5
11.75
12
min

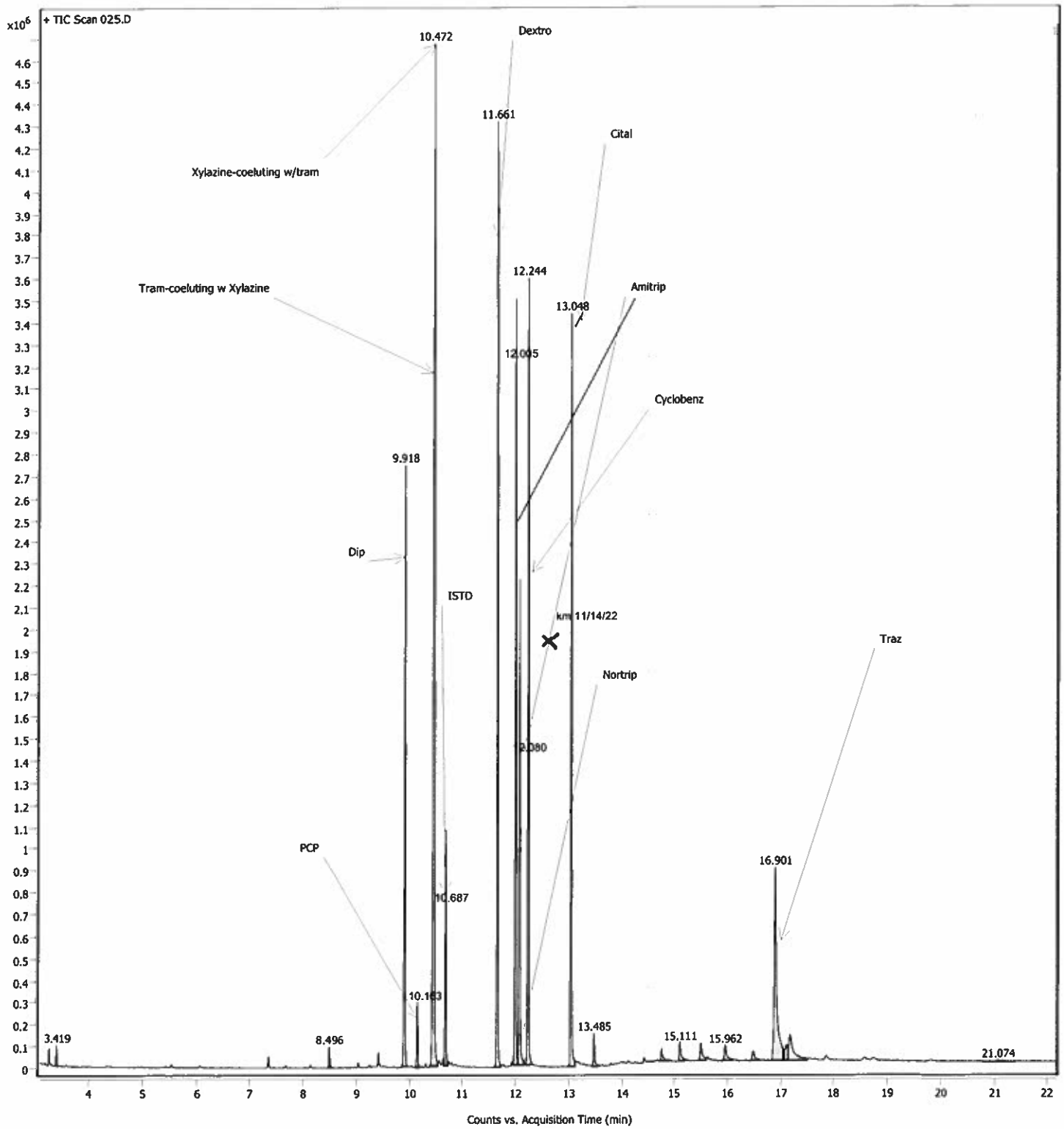
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\025.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 12:52:10 AM (UTC-04:00)
Position	53	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

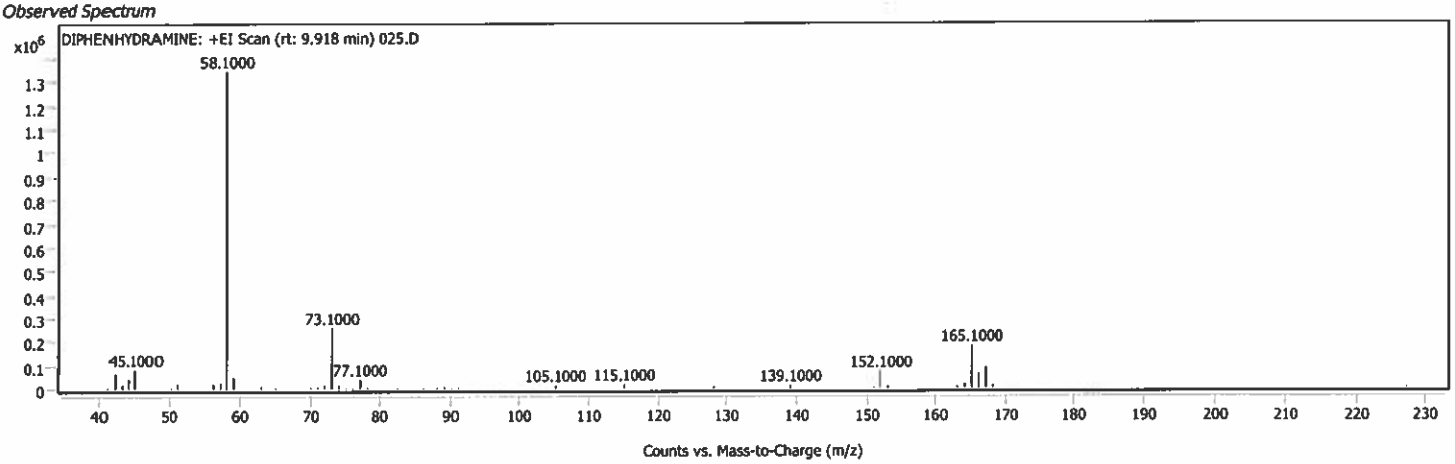
Agilent

Sample Spectra

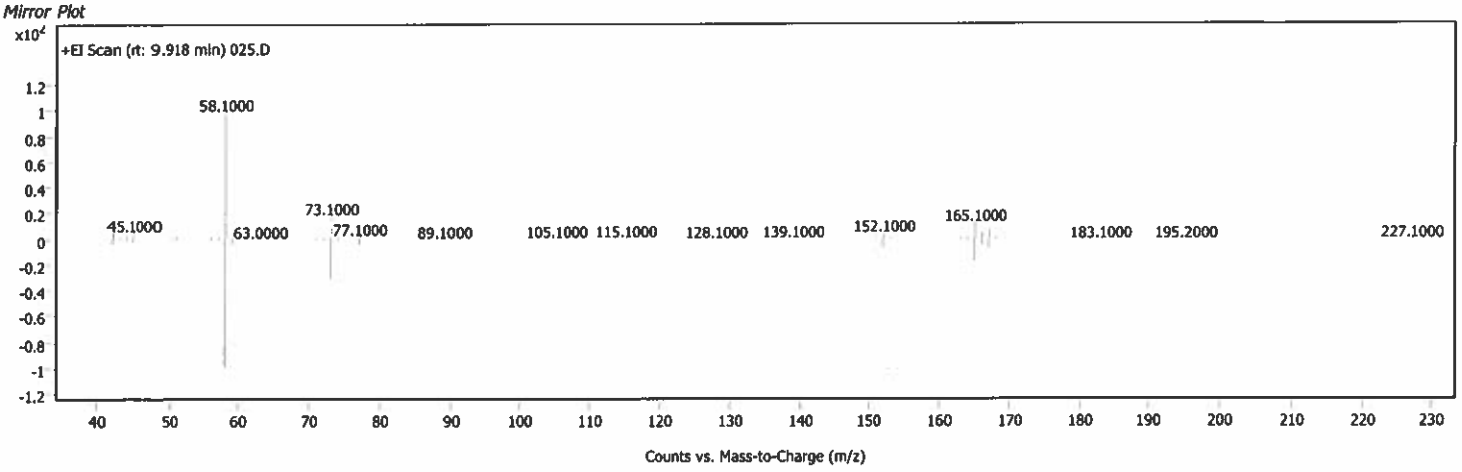
+ Scan (rt: 9.918 min) **DIPHENHYDRAMINE; C17H21NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DIPHENHYDRAMINE	C17H21NO	98.31	aafs.l	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

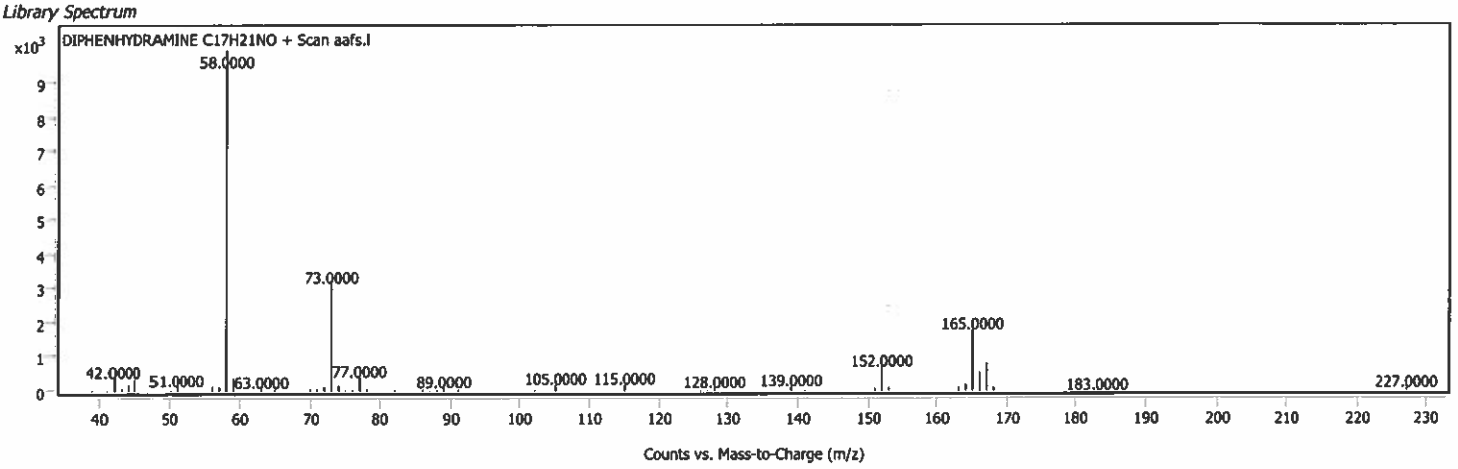
Observed Spectrum



Mirror Plot



Library Spectrum



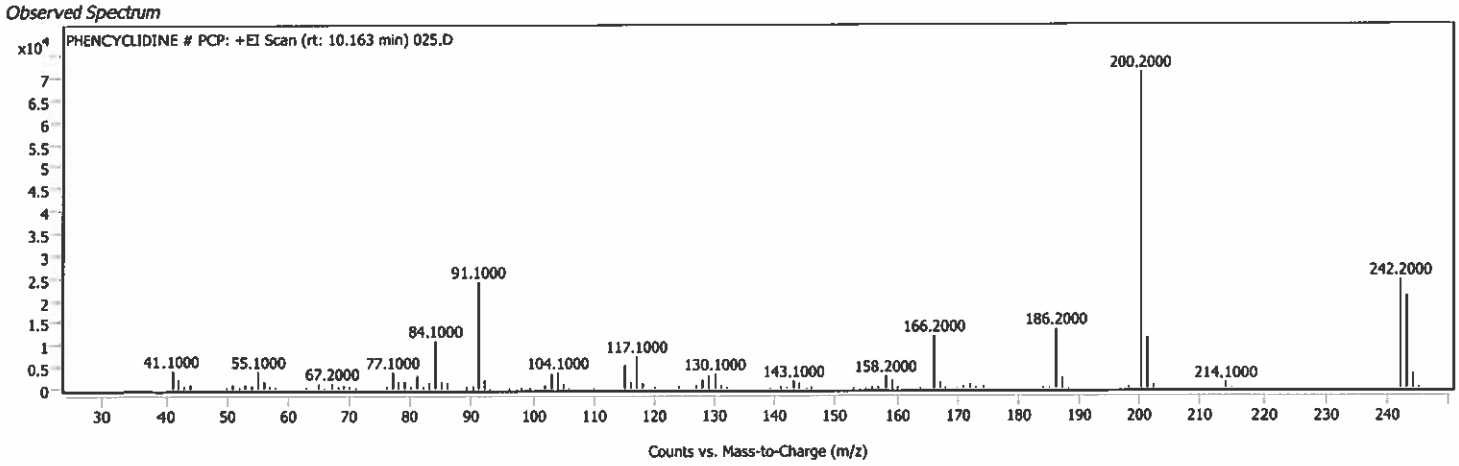
Analysis Report

Agilent

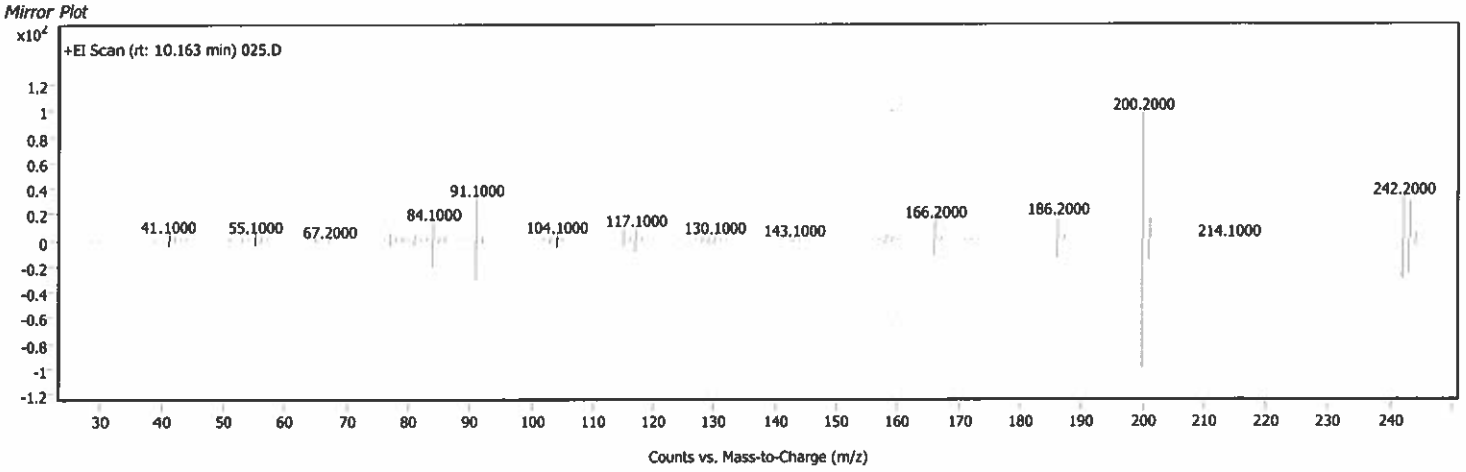
+ Scan (rt: 10.163 min) **PHENCYCLIDINE # PCP; C17H25N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
PHENCYCLIDINE # PCP	C17H25N	98.37	aafs.l	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

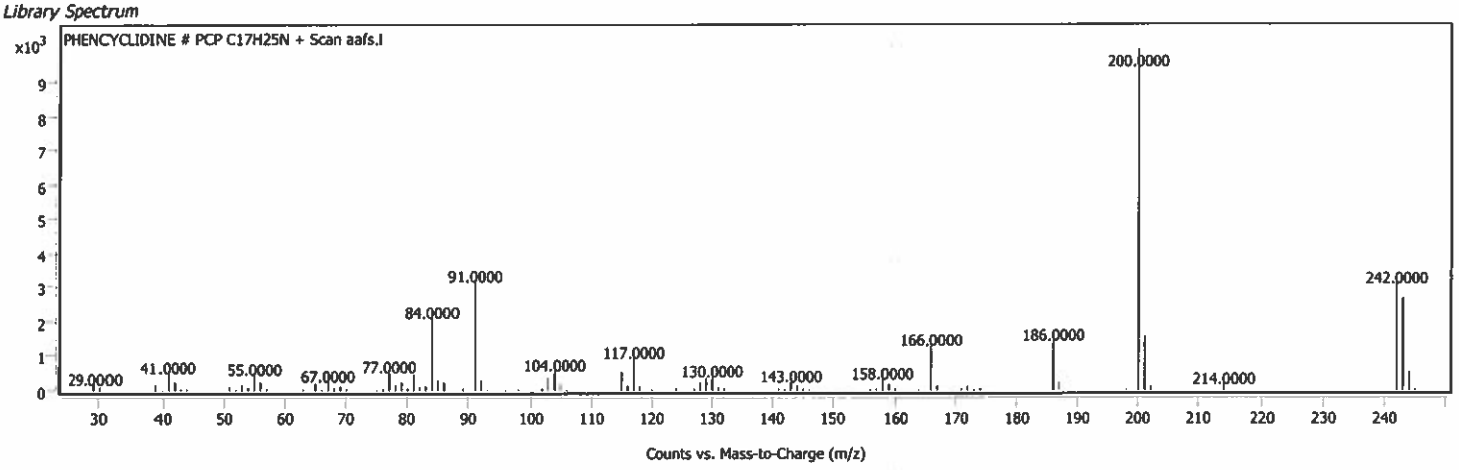
Observed Spectrum



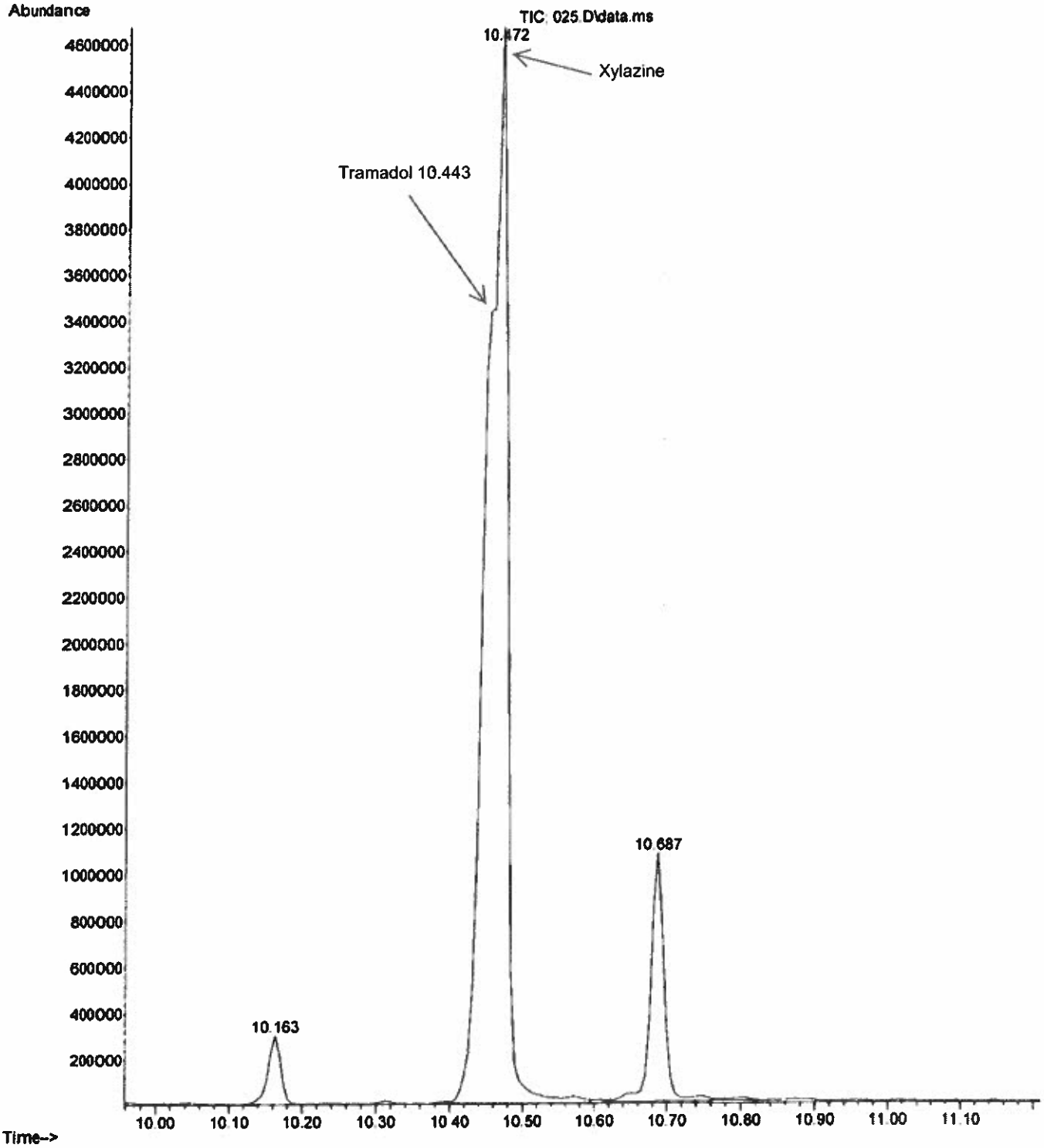
Mirror Plot



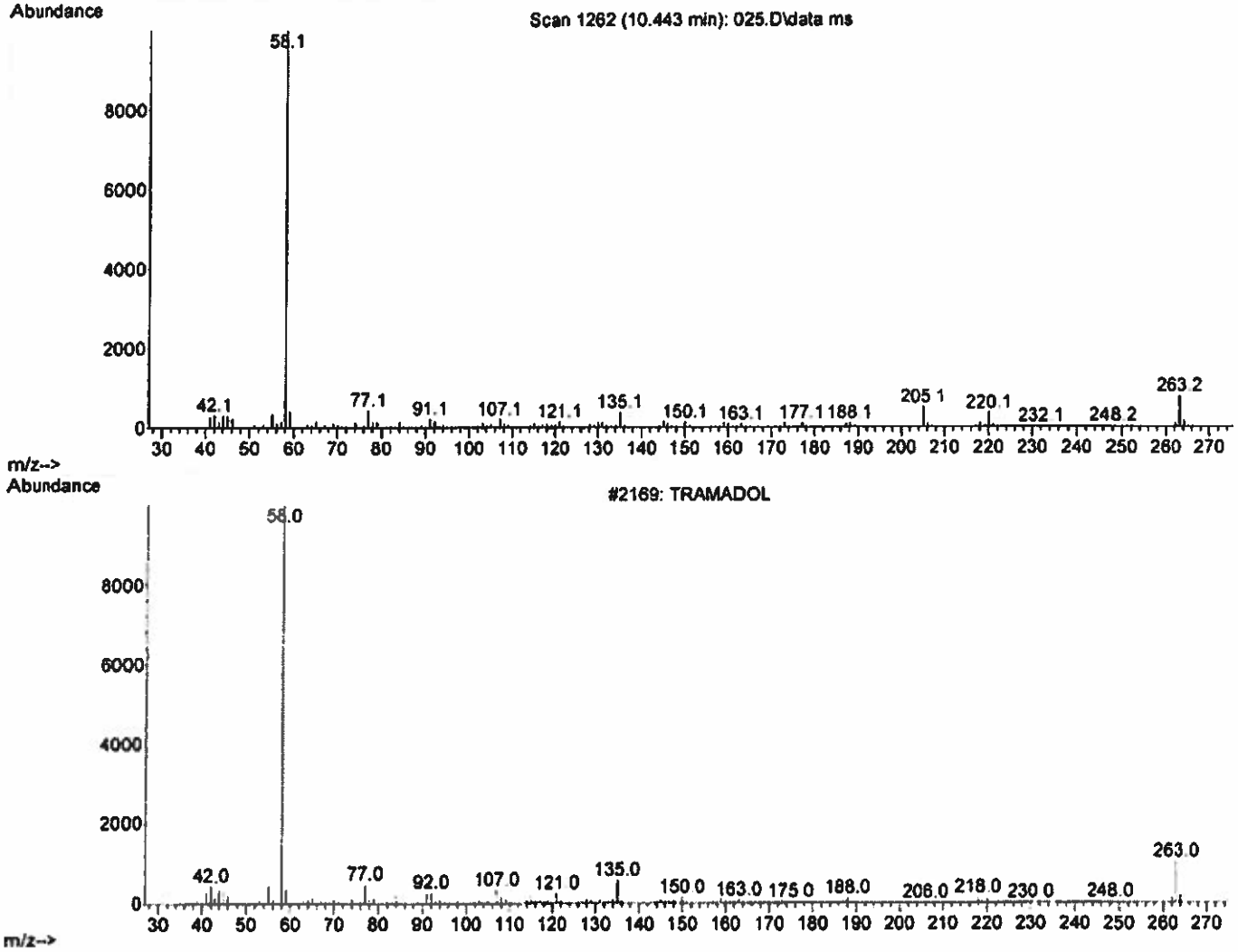
Library Spectrum



File :C:\Users\TOX\Desktop\092821\025.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 29 Sep 2021 00:52 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX 1 W/ SW CTL + XYLAXINE - BLD
Misc Info : 2.0 mg/l - 400uL of 0.01 mg/mL CTL, plus 400uL 0.1 mg/mL XYLAZINE
Vial Number: 53



Library Searched : C:\MassHunter\Library\aafs.l
Quality : 95
ID : TRAMADOL
Sample Name: MATRIX 1 W/ SW CTL + XYLAXINE - BLD
File: C:\Users\TOX\Desktop\092821\025.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 00:52
Vial: 53



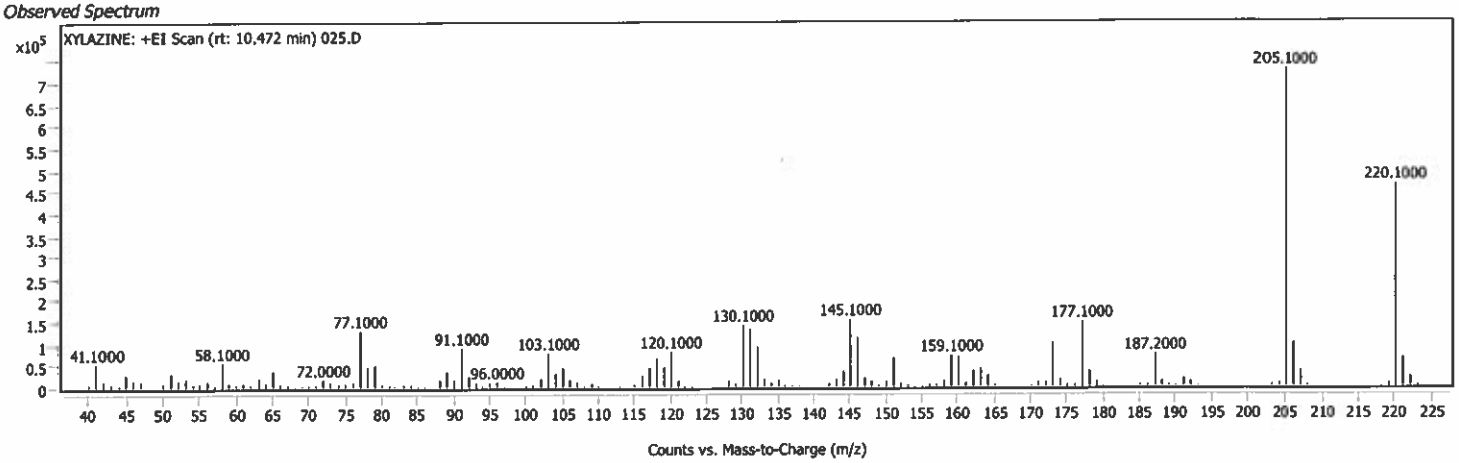
Analysis Report

Agilent

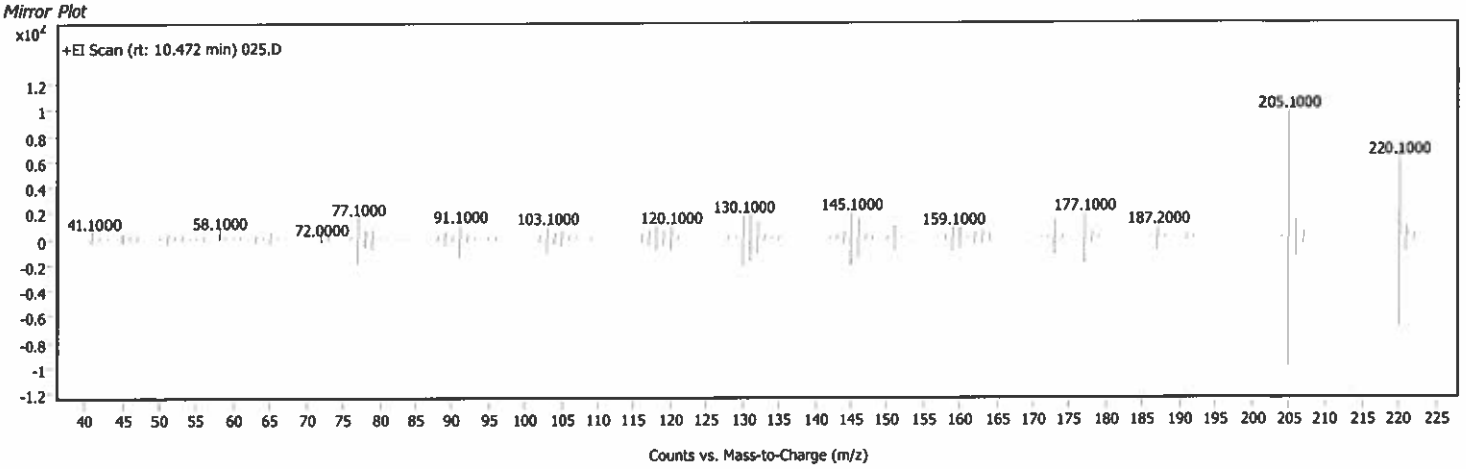
+ Scan (rt: 10.472 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.28	aafs.l	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

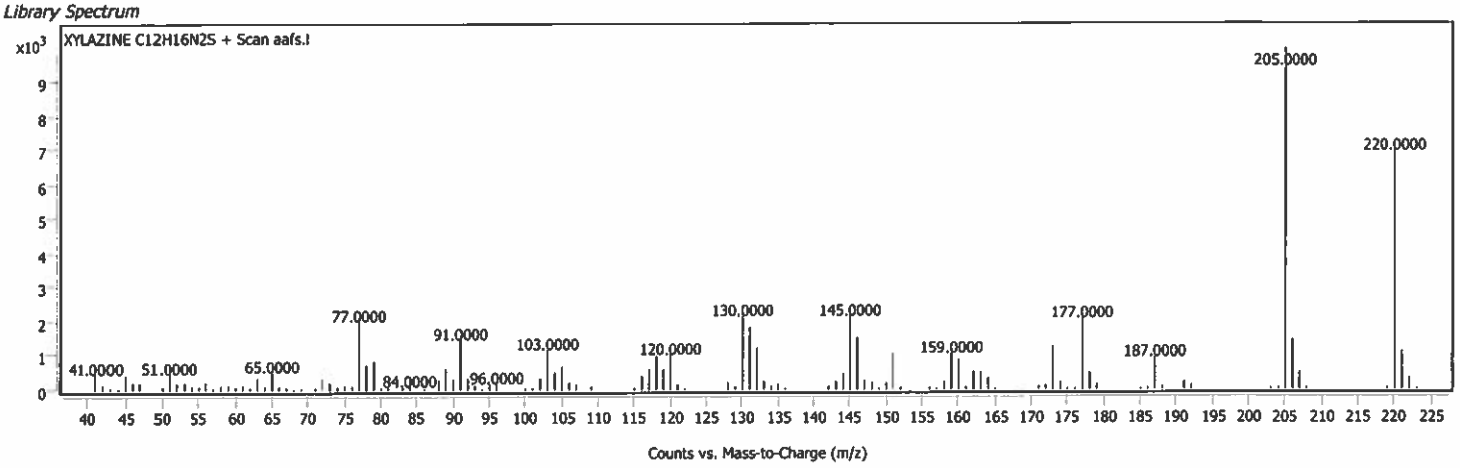
Observed Spectrum



Mirror Plot



Library Spectrum



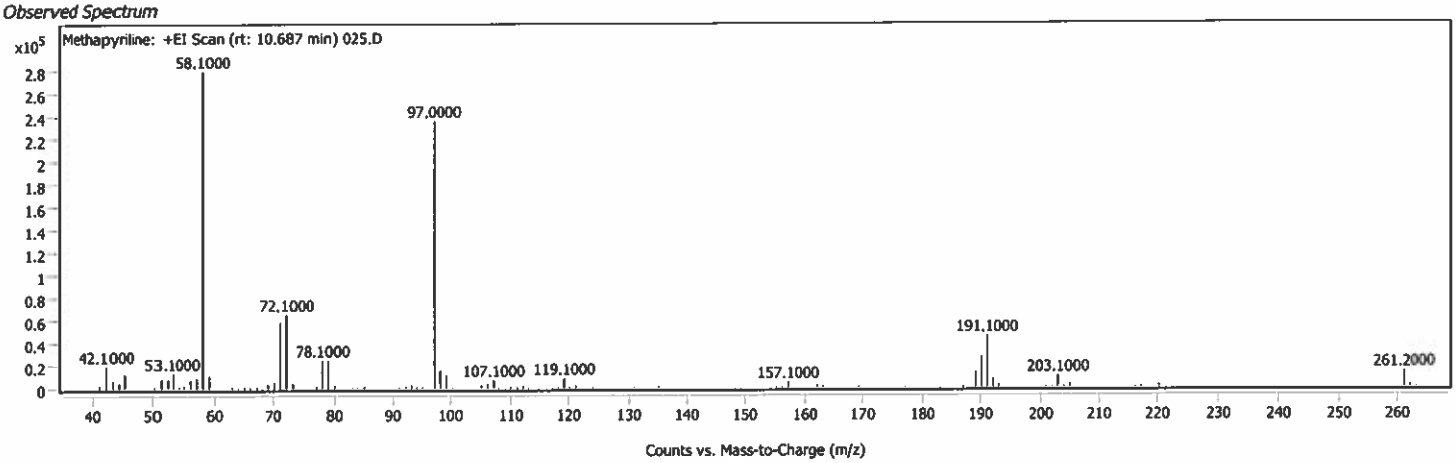
Analysis Report

Agilent

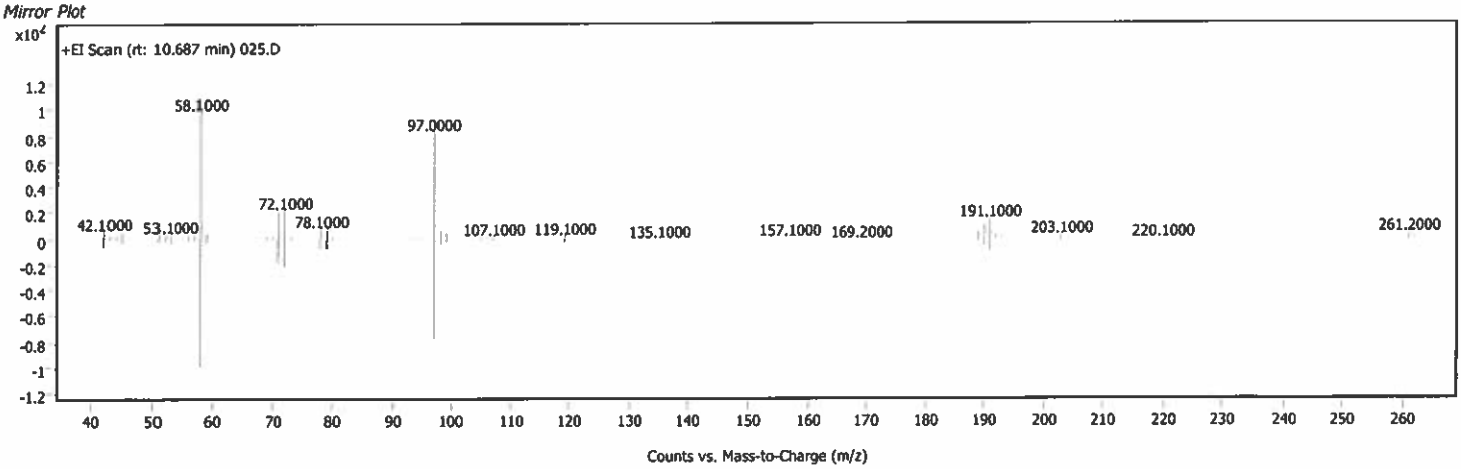
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	97.37	SWGDRUG 3.3.L	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

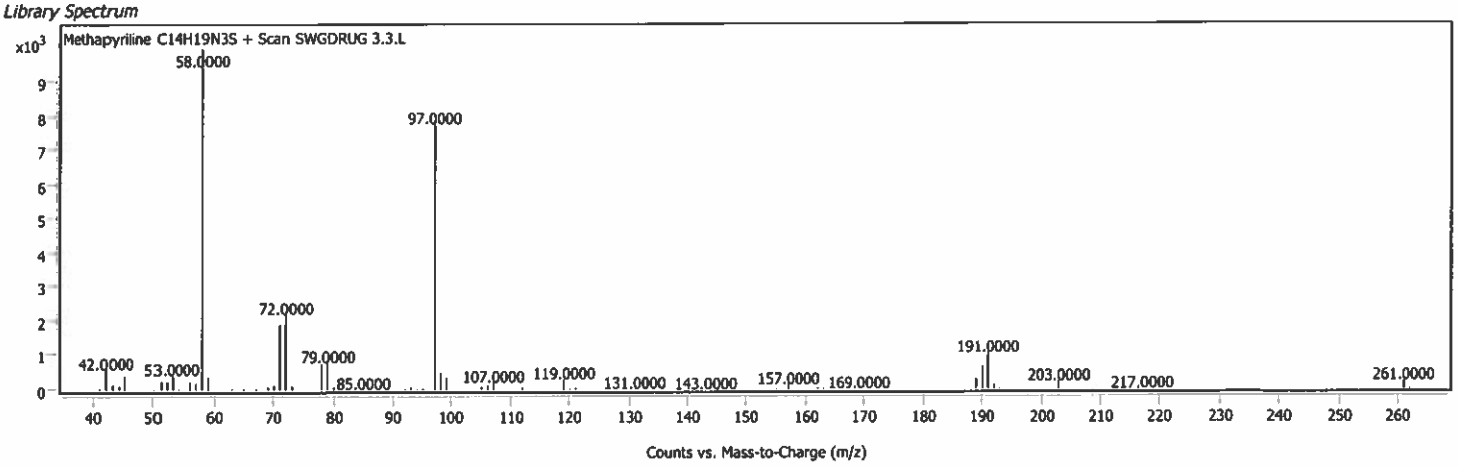
Observed Spectrum



Mirror Plot



Library Spectrum



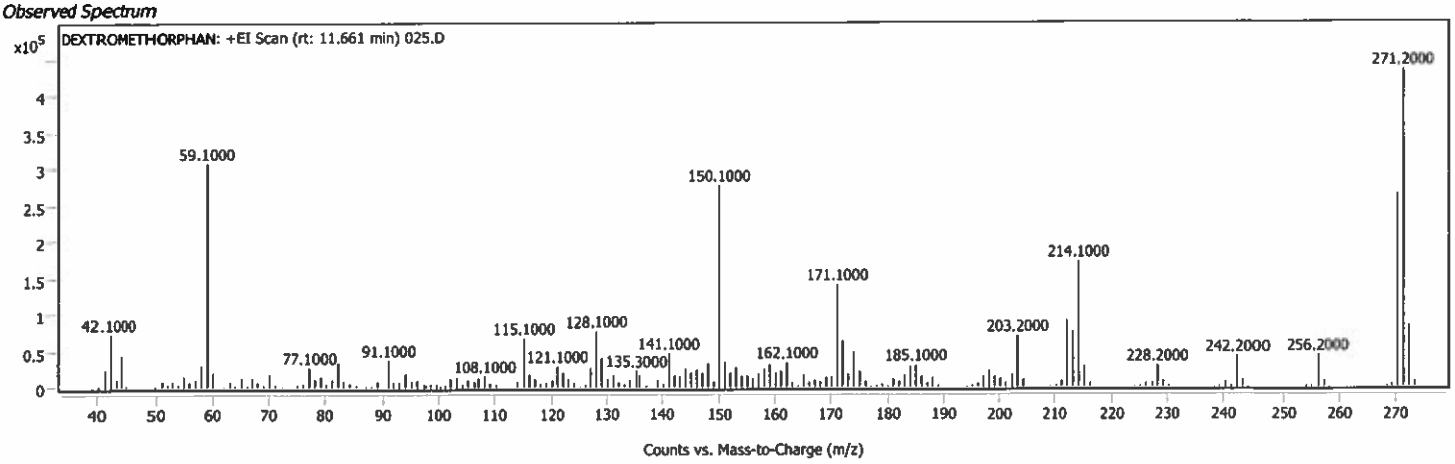
Analysis Report

Agilent

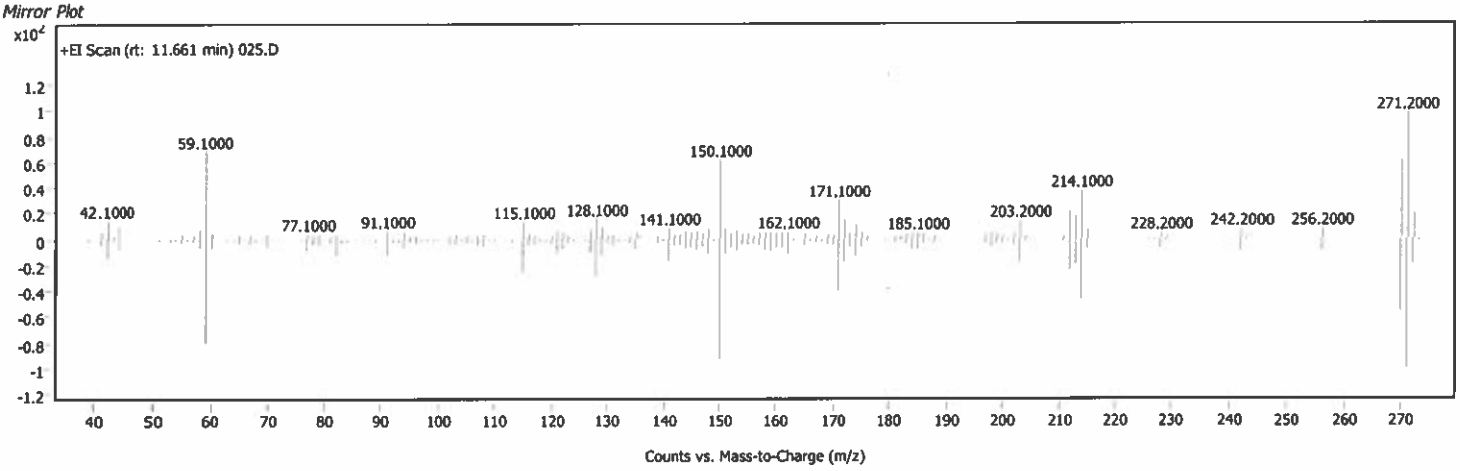
+ Scan (rt: 11.661 min) **DEXTROMETHORPHAN; C18H25NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DEXTROMETHORPHAN	C18H25NO	91.99	aafs.l	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

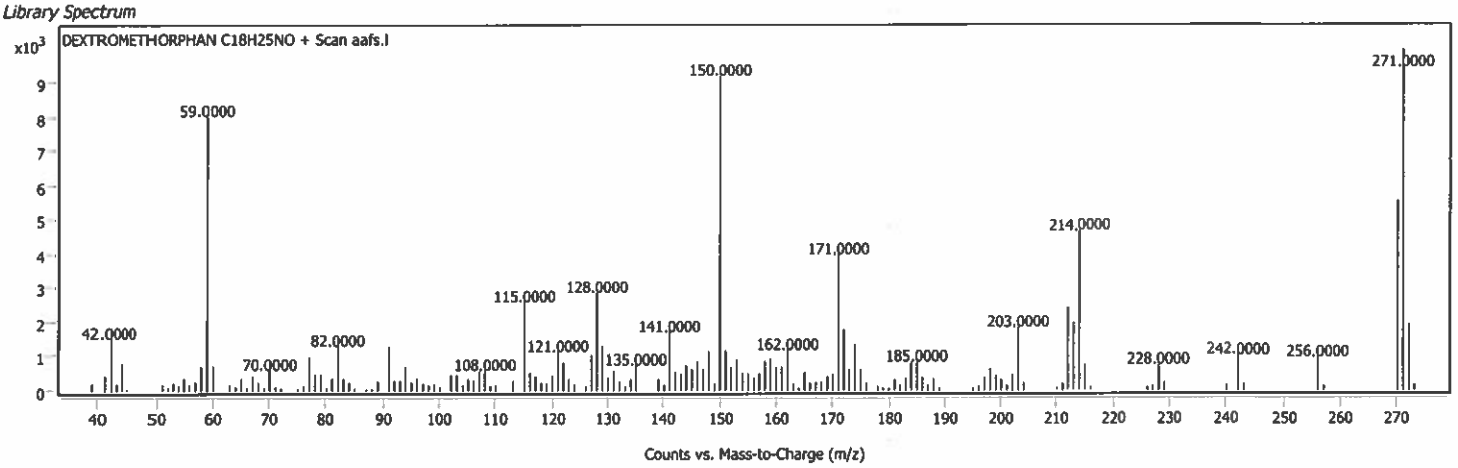
Observed Spectrum



Mirror Plot



Library Spectrum



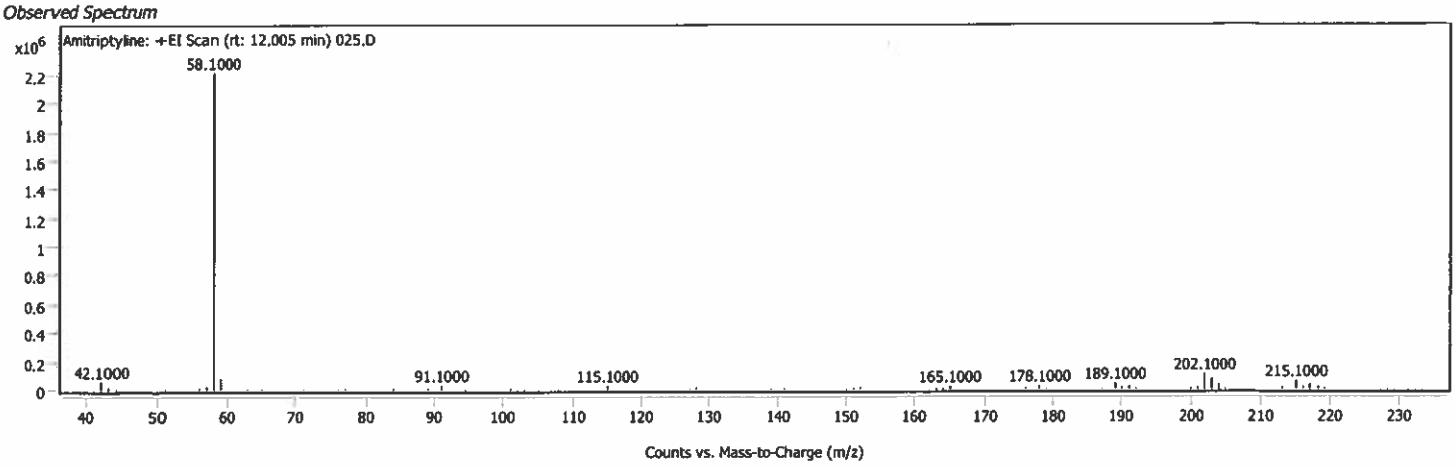
Analysis Report

Agilent

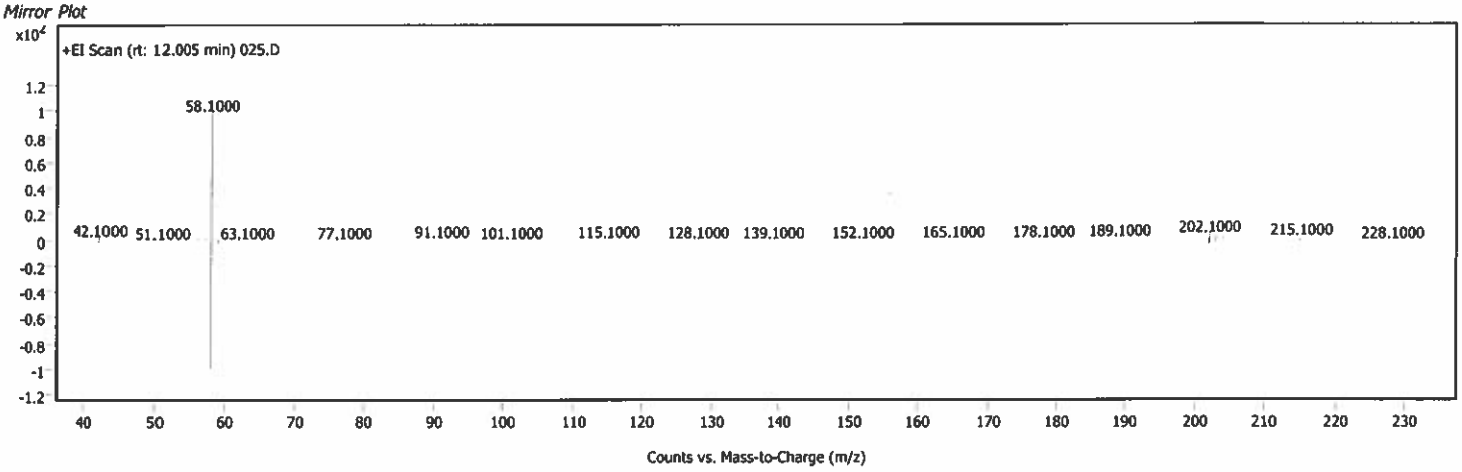
+ Scan (rt: 12.005 min) **Amitriptyline; C20H23N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Amitriptyline	C20H23N	97.89	SWGDRUG 3.3.L	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

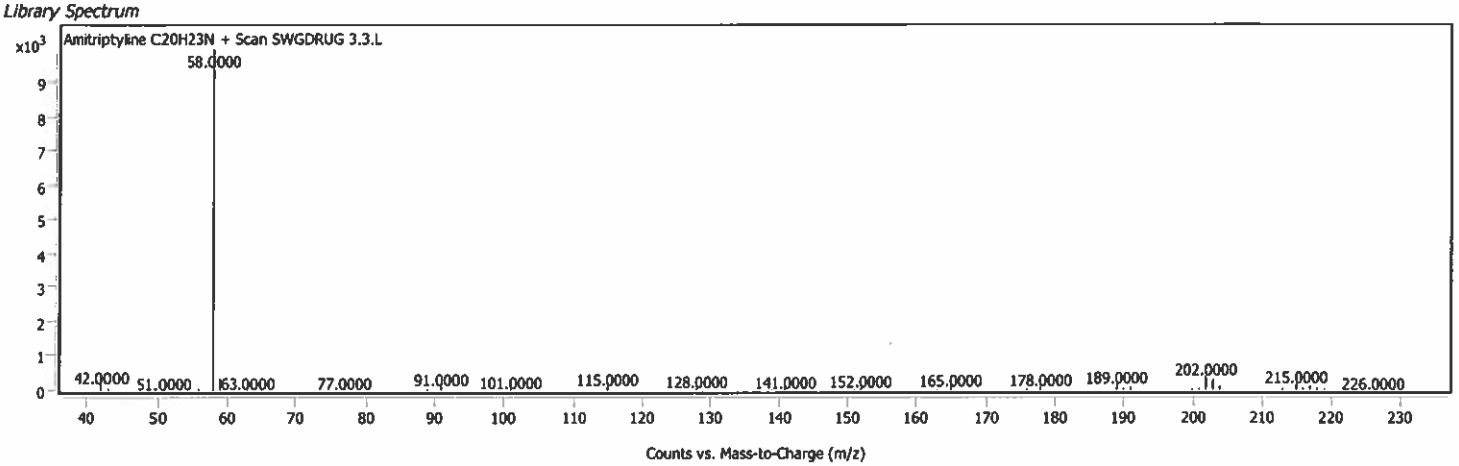
Observed Spectrum



Mirror Plot



Library Spectrum



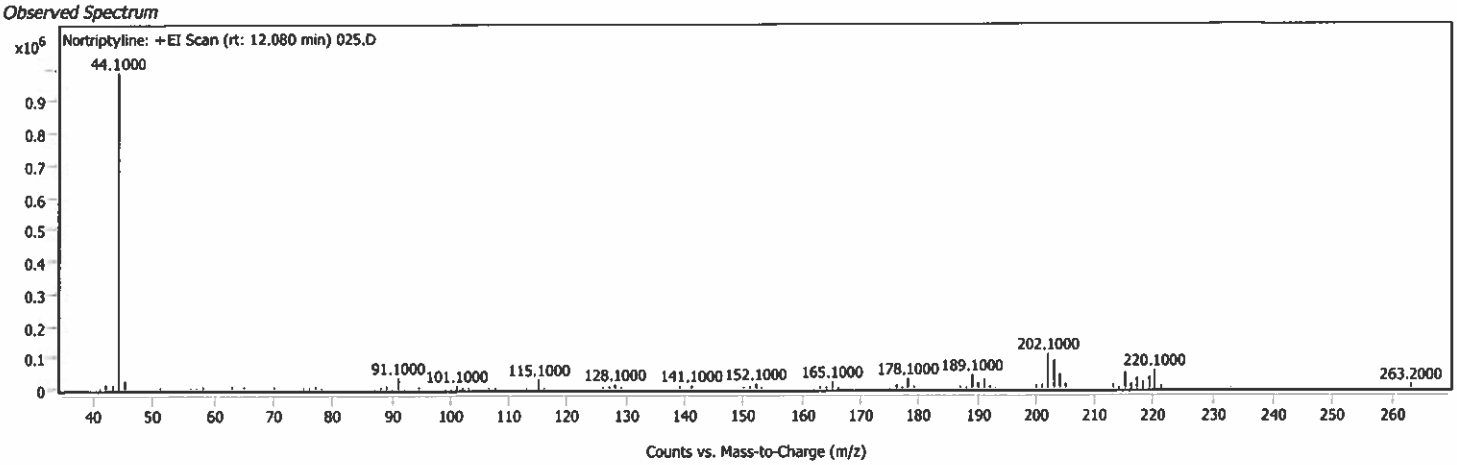
Analysis Report

Agilent

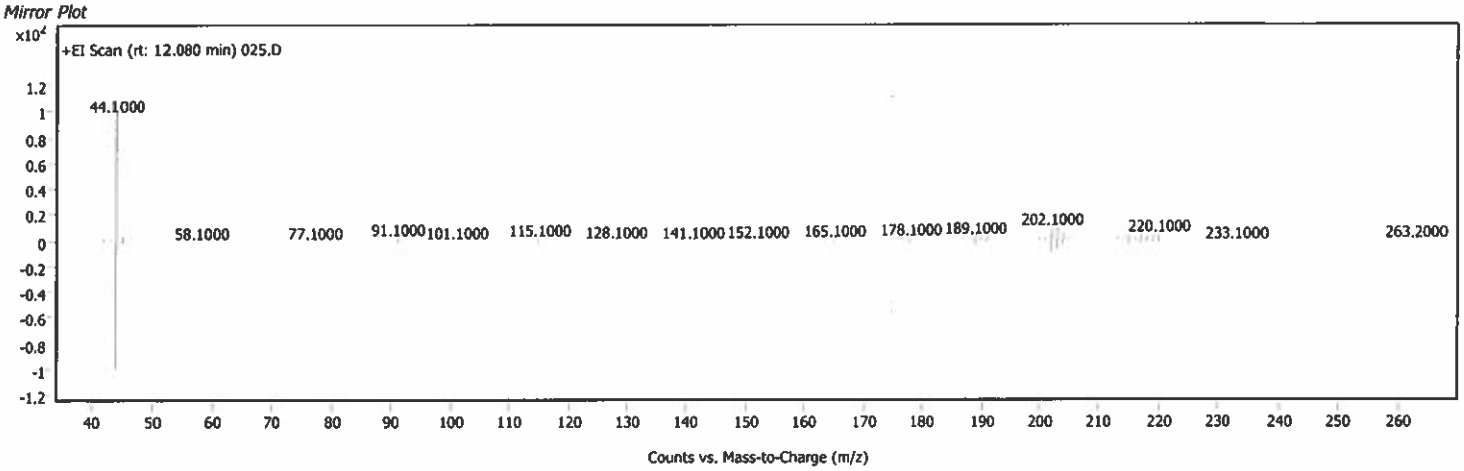
+ Scan (rt: 12.080 min) **Nortriptyline; C19H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Nortriptyline	C19H21N	97.70	SWGDRUG 3.3.L	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

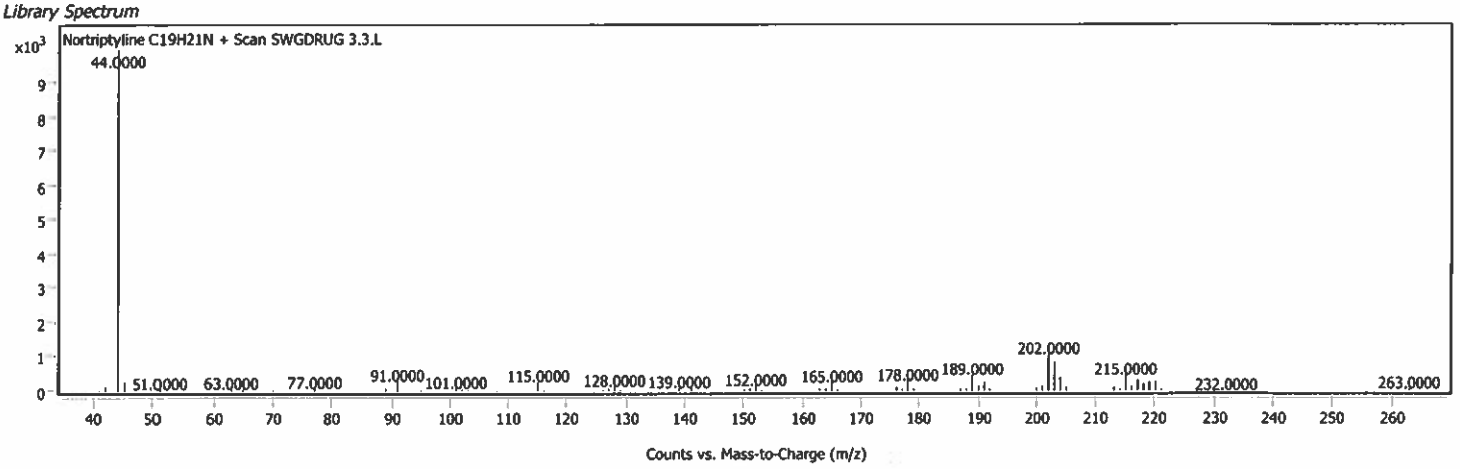
Observed Spectrum



Mirror Plot



Library Spectrum



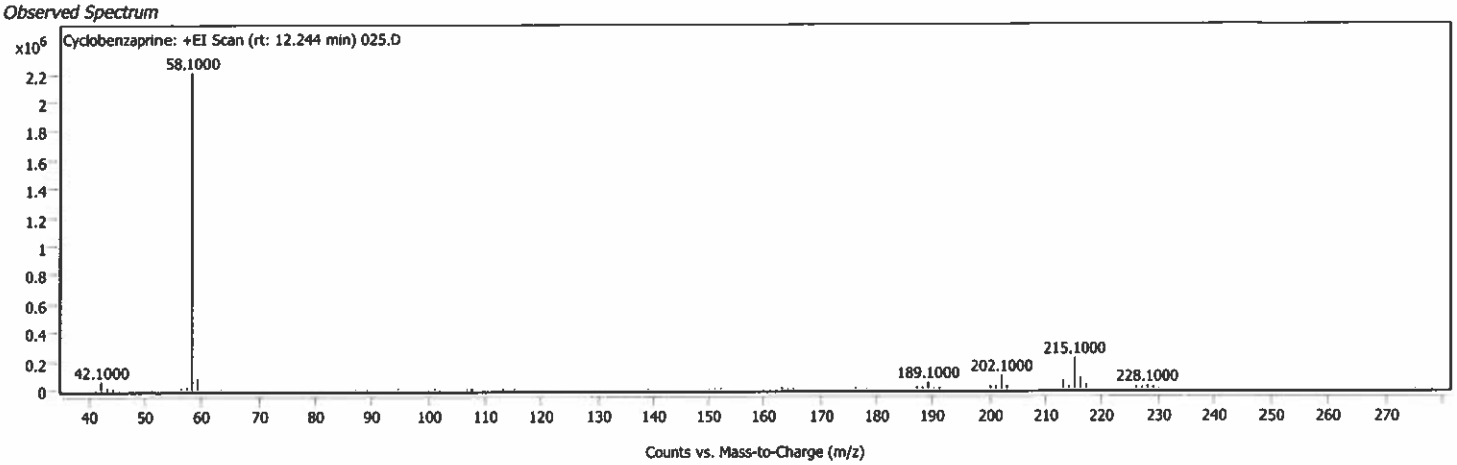
Analysis Report

Agilent

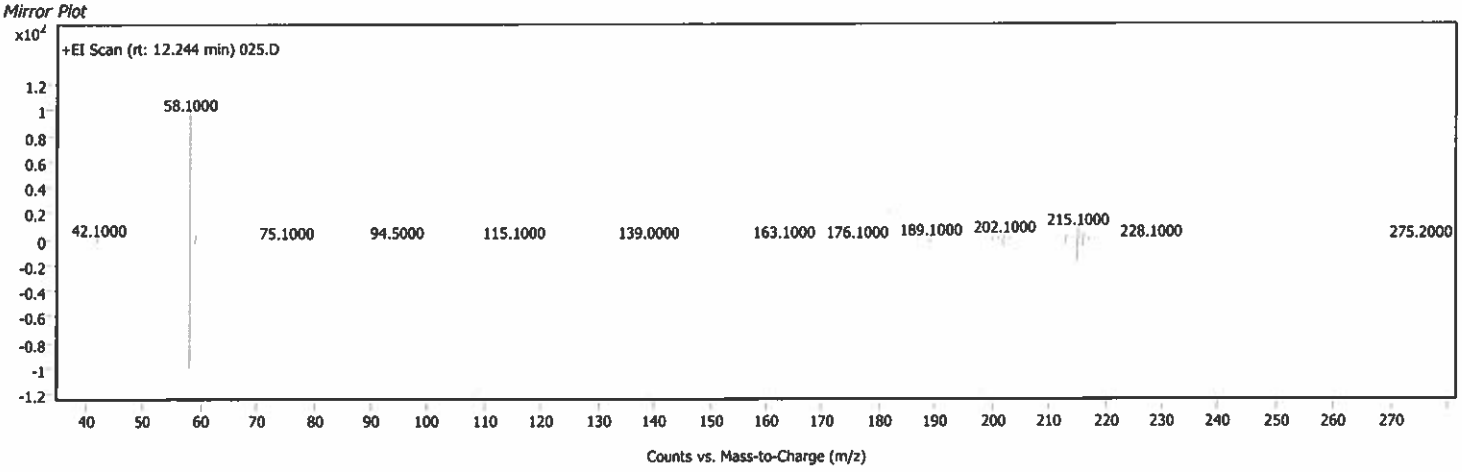
+ Scan (rt: 12.244 min) **Cyclobenzaprine; C20H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Cyclobenzaprine	C20H21N	96.87	SWGDRUG 3.3.L	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

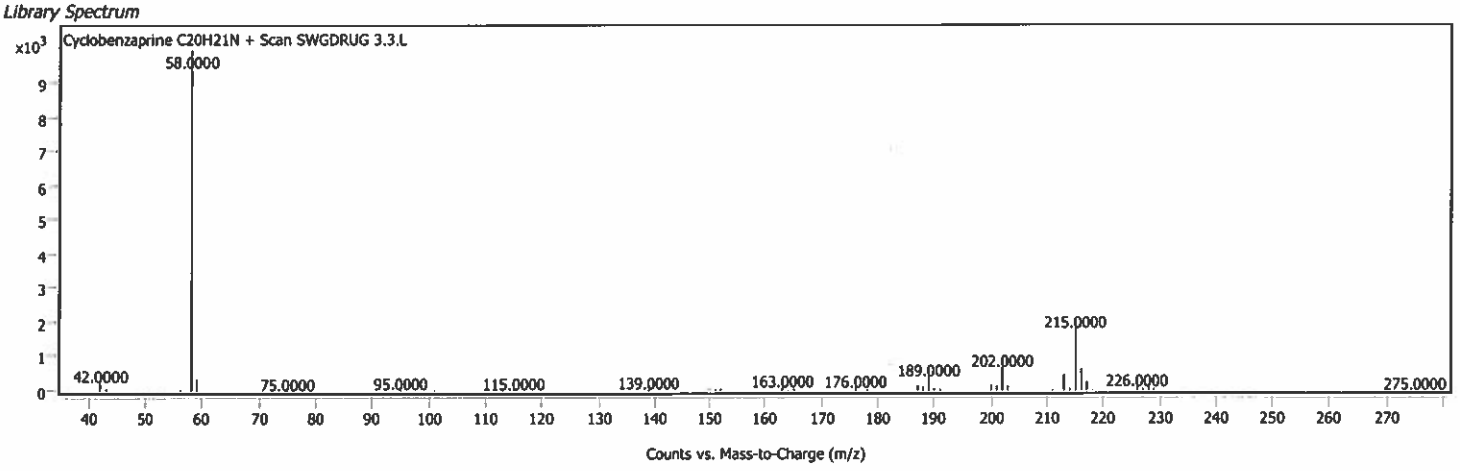
Observed Spectrum



Mirror Plot



Library Spectrum



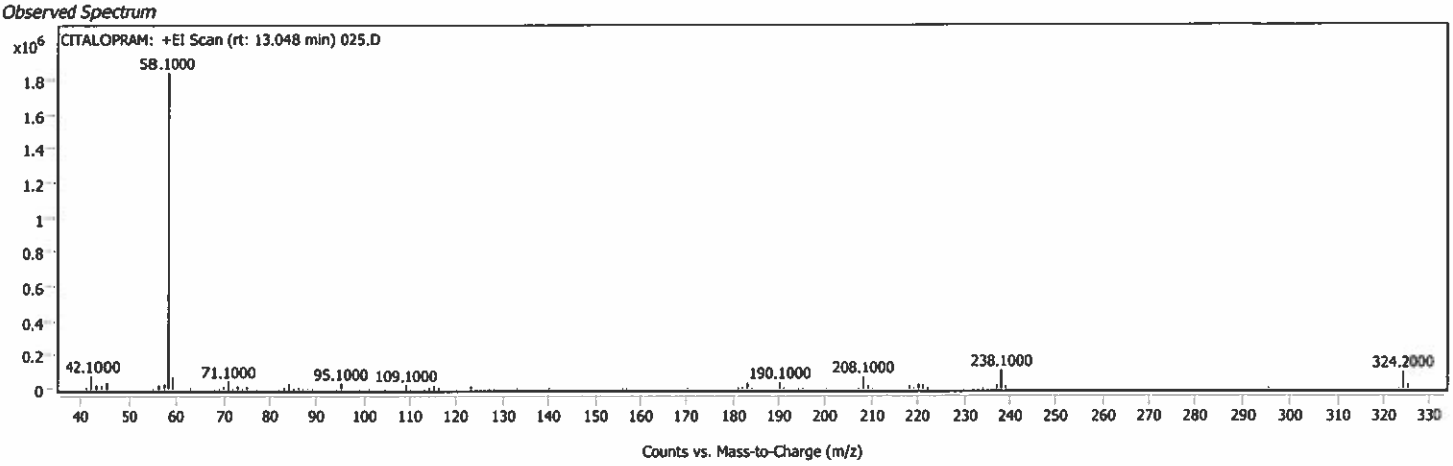
Analysis Report

Agilent

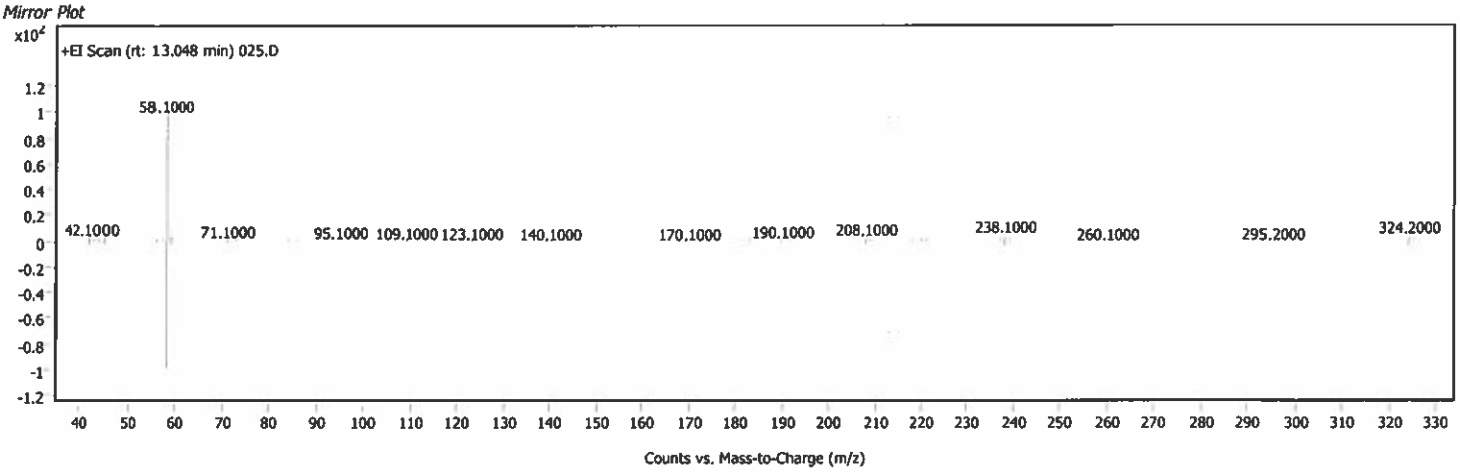
+ Scan (rt: 13.048 min) **CITALOPRAM; C20H21FN2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CITALOPRAM	C20H21FN2O	96.65	aafs.l	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

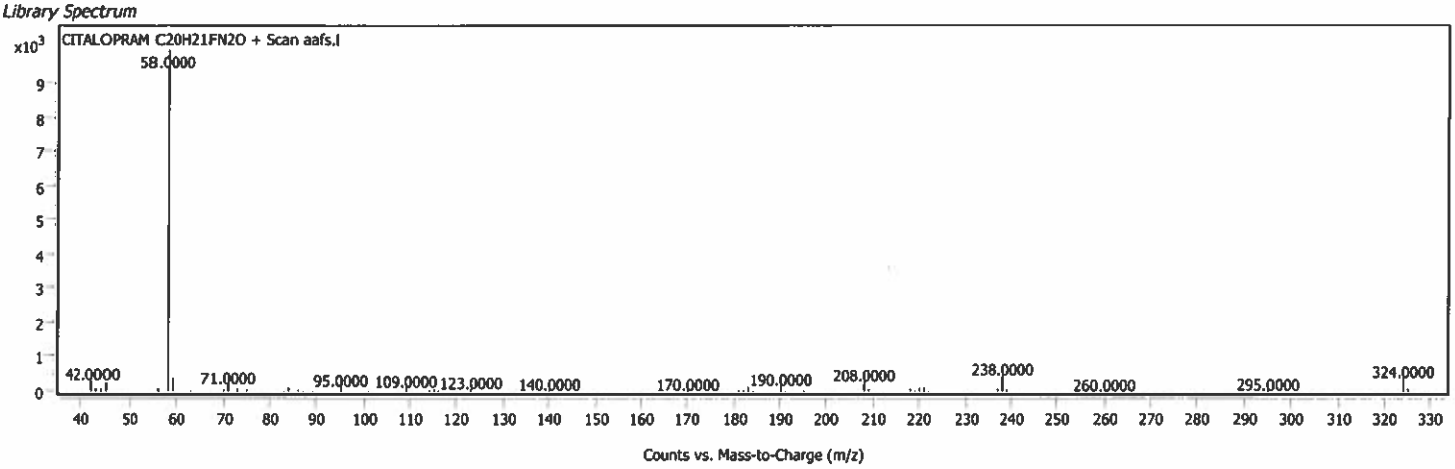
Observed Spectrum



Mirror Plot



Library Spectrum



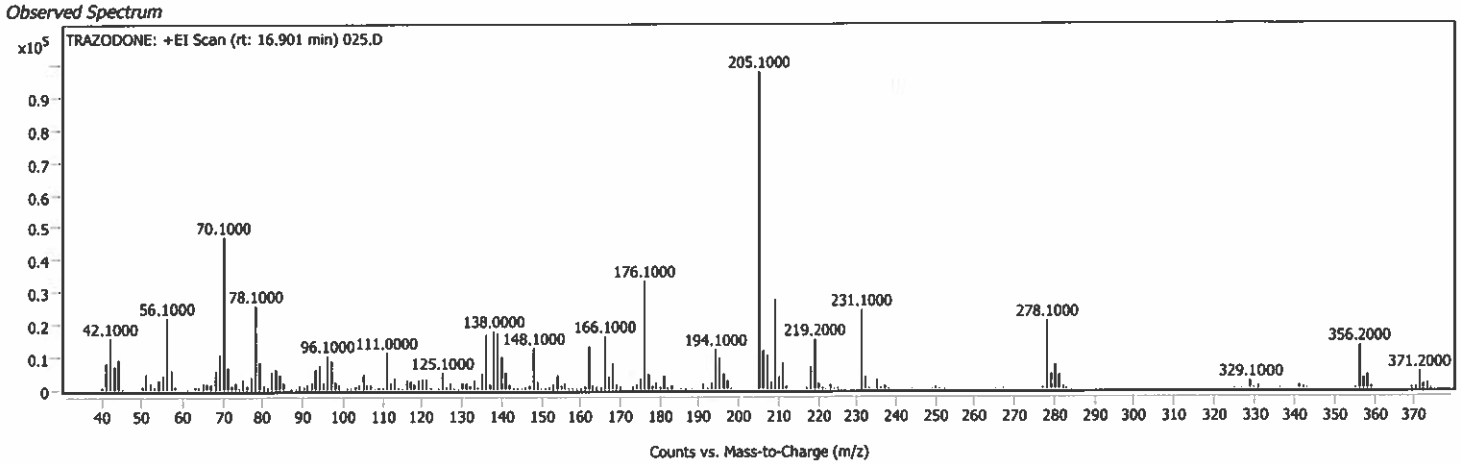
Analysis Report

Agilent

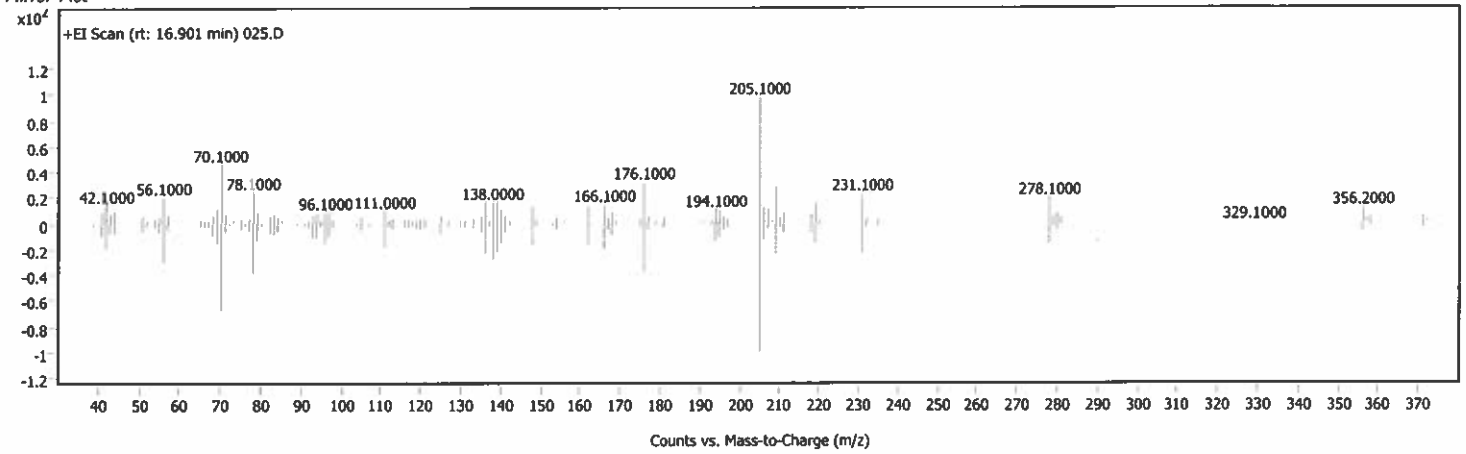
+ Scan (rt: 16.901 min) **TRAZODONE**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
TRAZODONE		94.10	aafs.l	MATRIX 1 W/ SW CTL + XYLAXINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

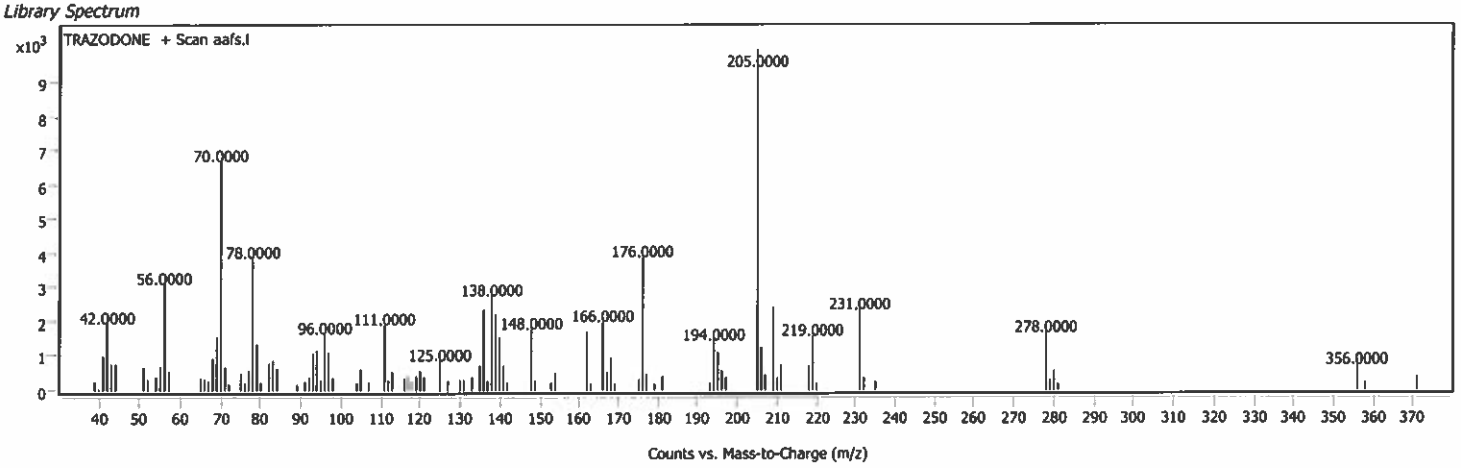
Observed Spectrum



Mirror Plot

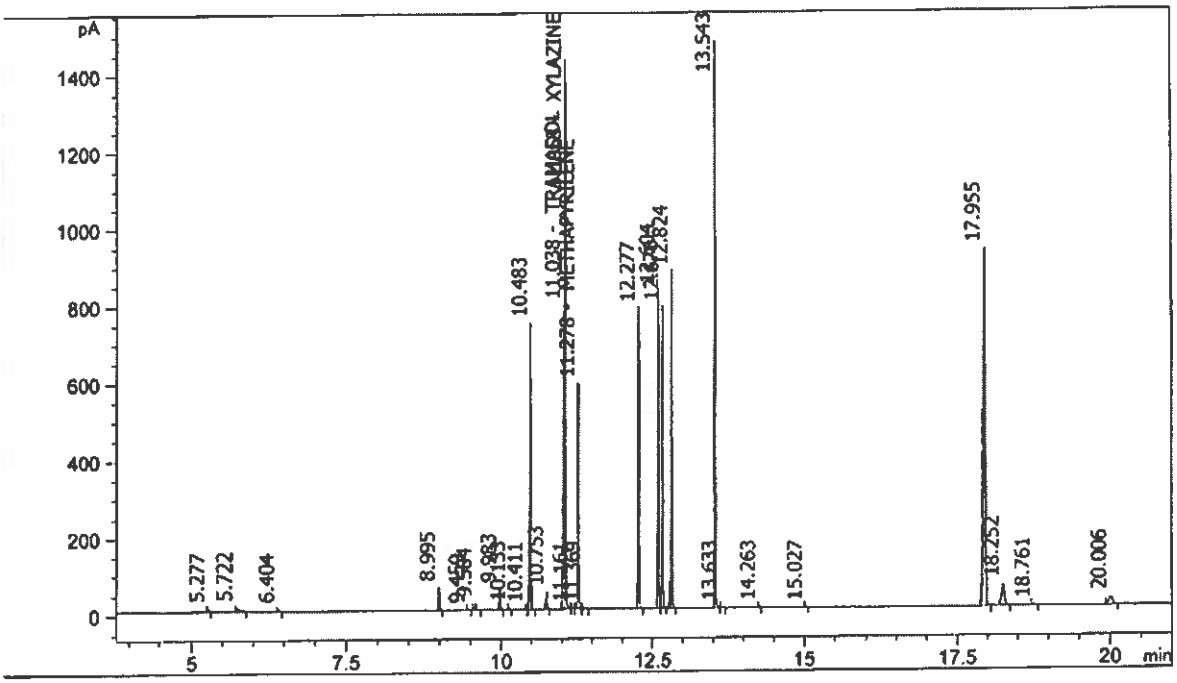


Library Spectrum



Injection Date: 9/29/2021 12:42:03 AM Seq Line: 28
Sample Name: MATRIX 1 W/ SW CTL + -> Vial 29
Sample Info: xylazine KM 11/11/22

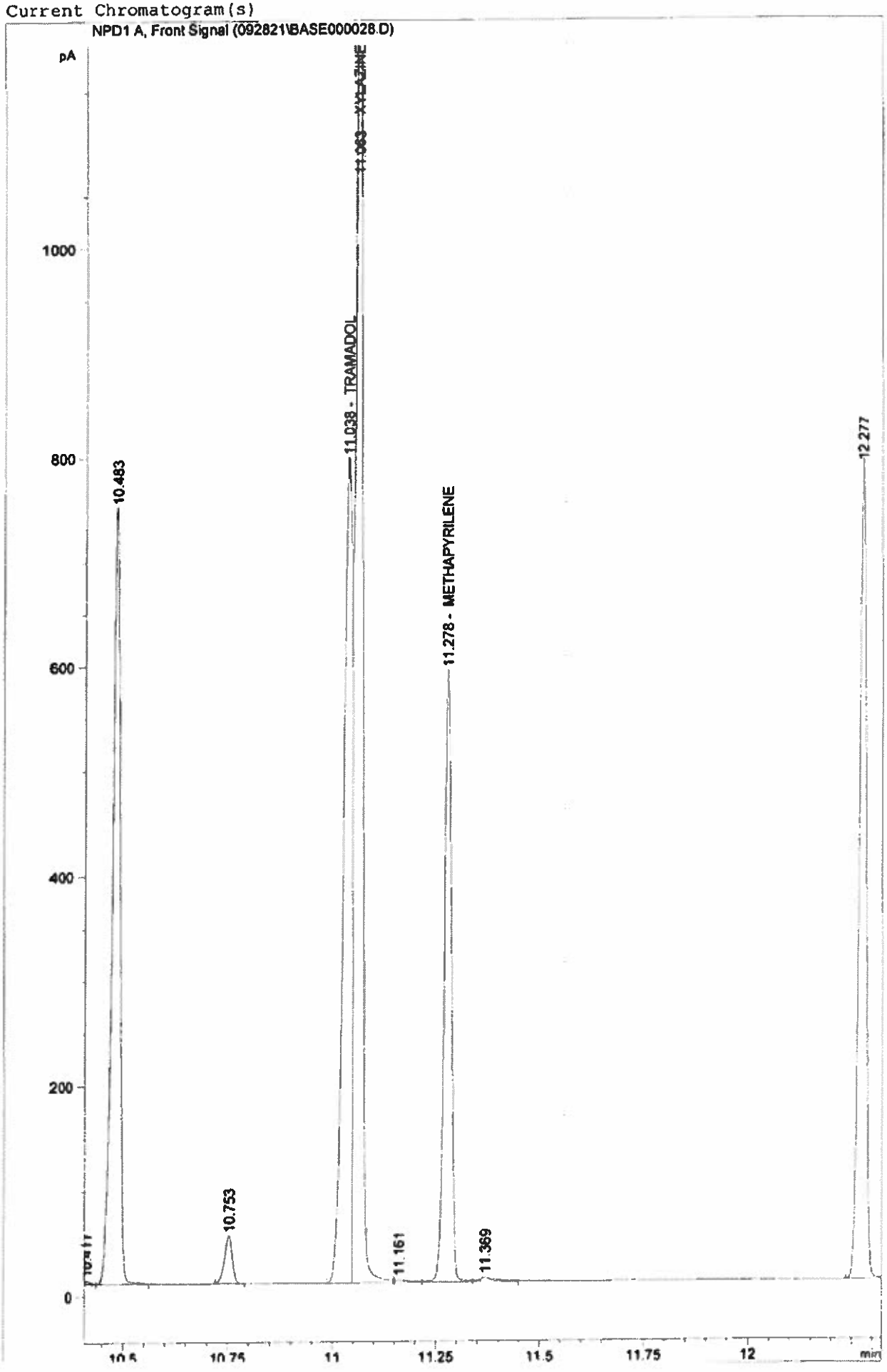
Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



see following page for expanded chromatogram

RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.038	11.033	1103.519	786.955	0.000000	TRAMADOL RRT-0.9787
11.063	11.046	1646.089	1424.104	0.000000	XYLAZINE RRT-0.9809
11.278	11.278	687.821	583.640	1.000000	METHAPYRILENE

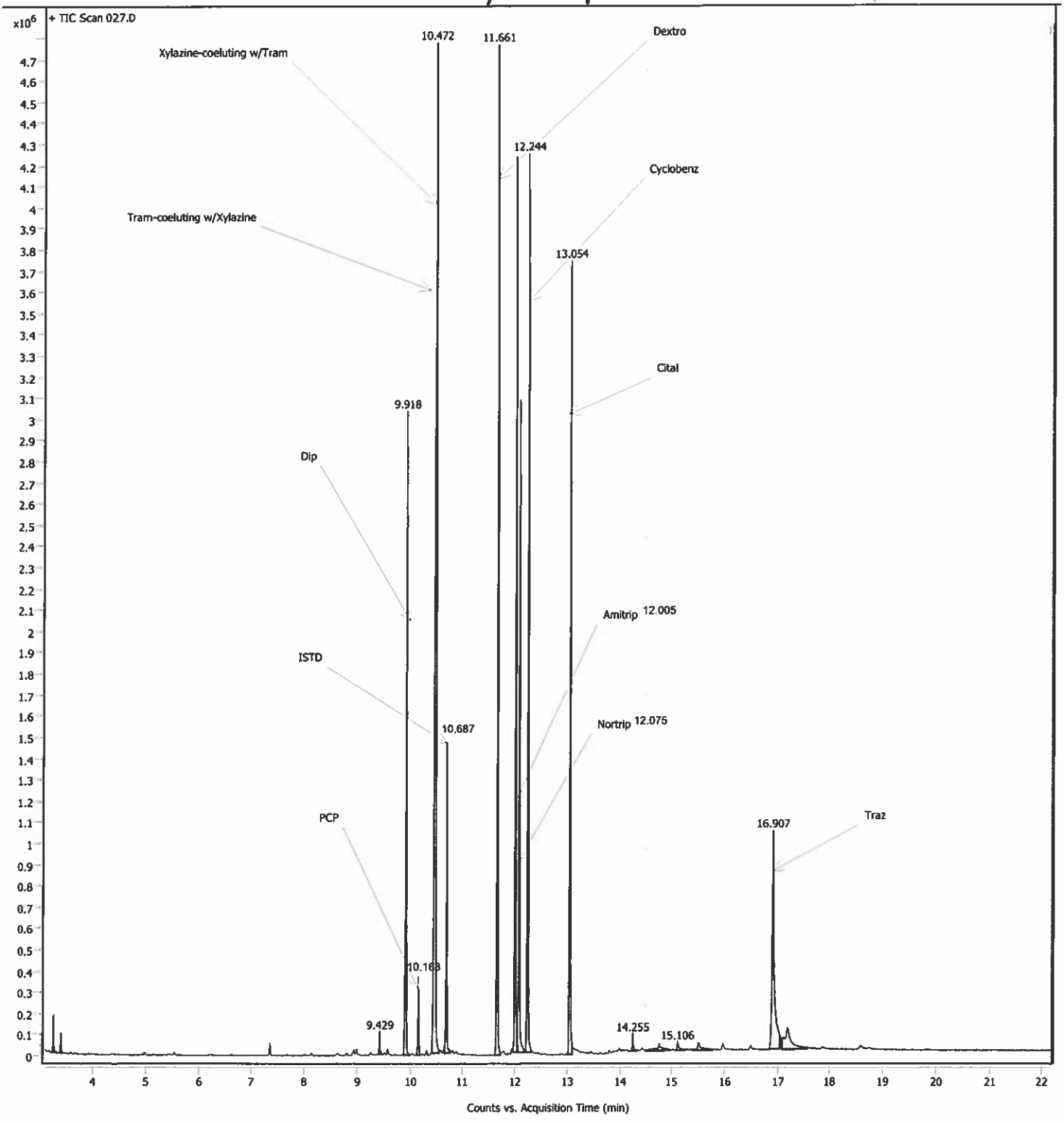
Current Chromatogram(s)



Matrix 6 URN w/ SW Ctl + Xylazine

Analysis Report

Agilent



Analysis Report

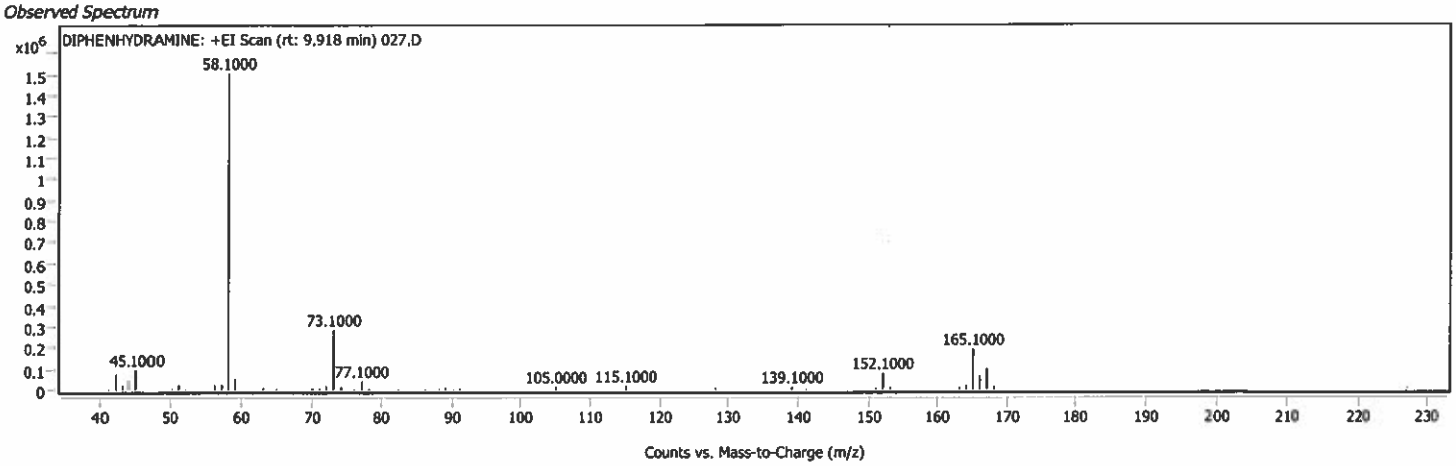
Agilent

Sample Spectra

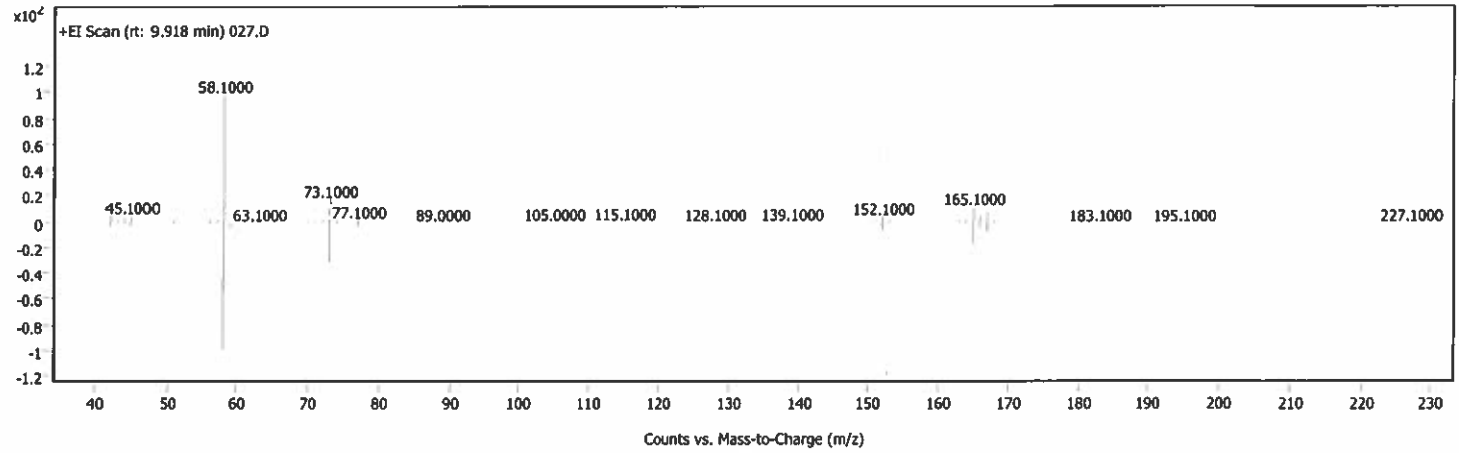
+ Scan (rt: 9.918 min) **DIPHENHYDRAMINE; C17H21NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DIPHENHYDRAMINE	C17H21NO	98.21	aafs.l	MATRIX 6 W/ SW CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

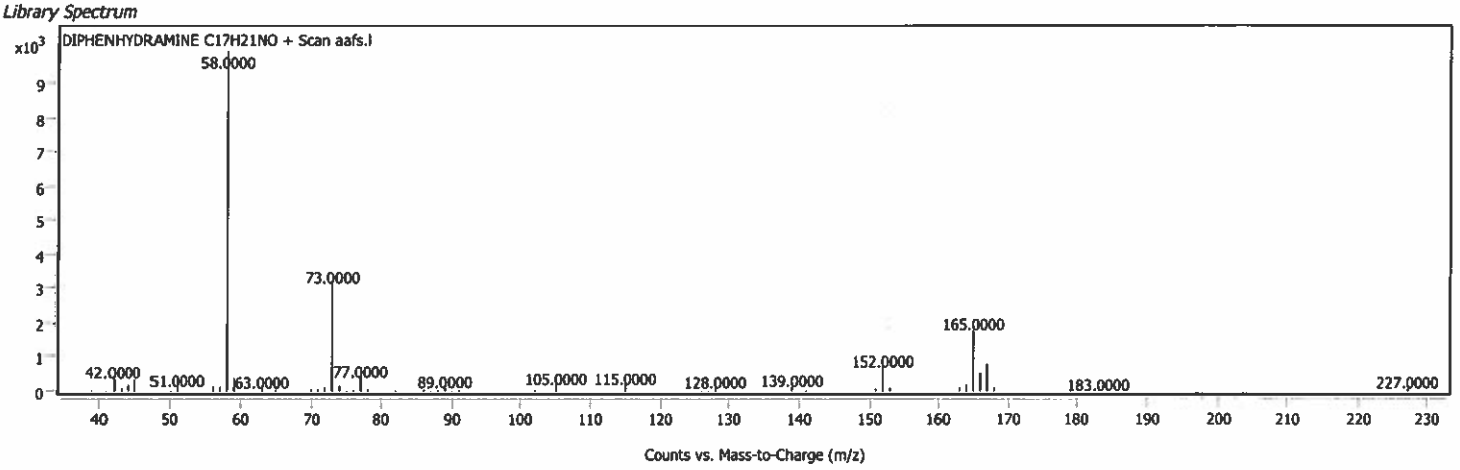
Observed Spectrum



Mirror Plot



Library Spectrum



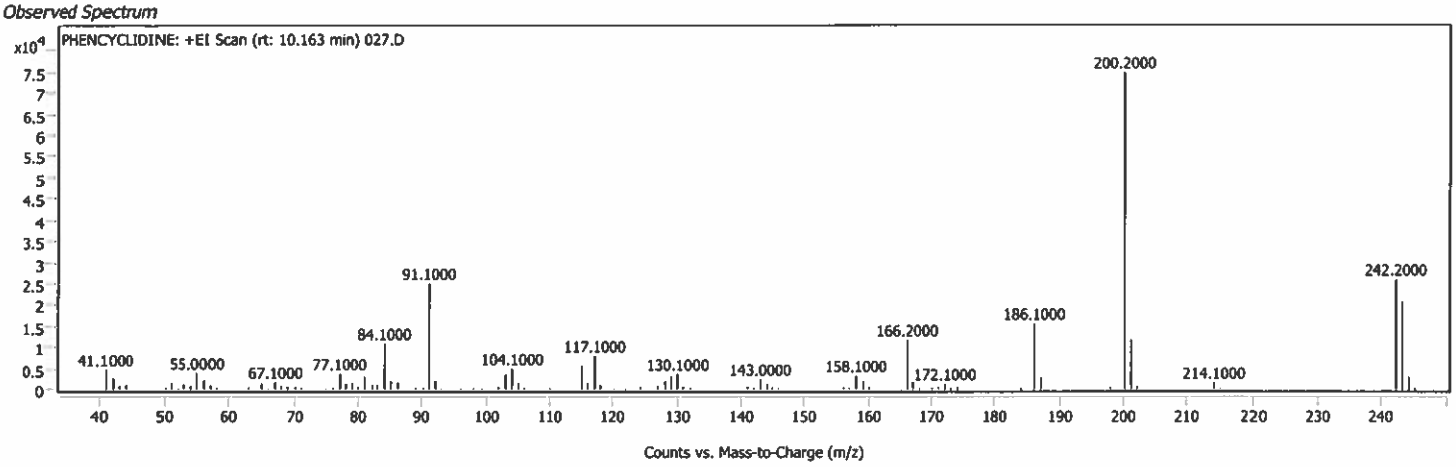
Analysis Report

Agilent

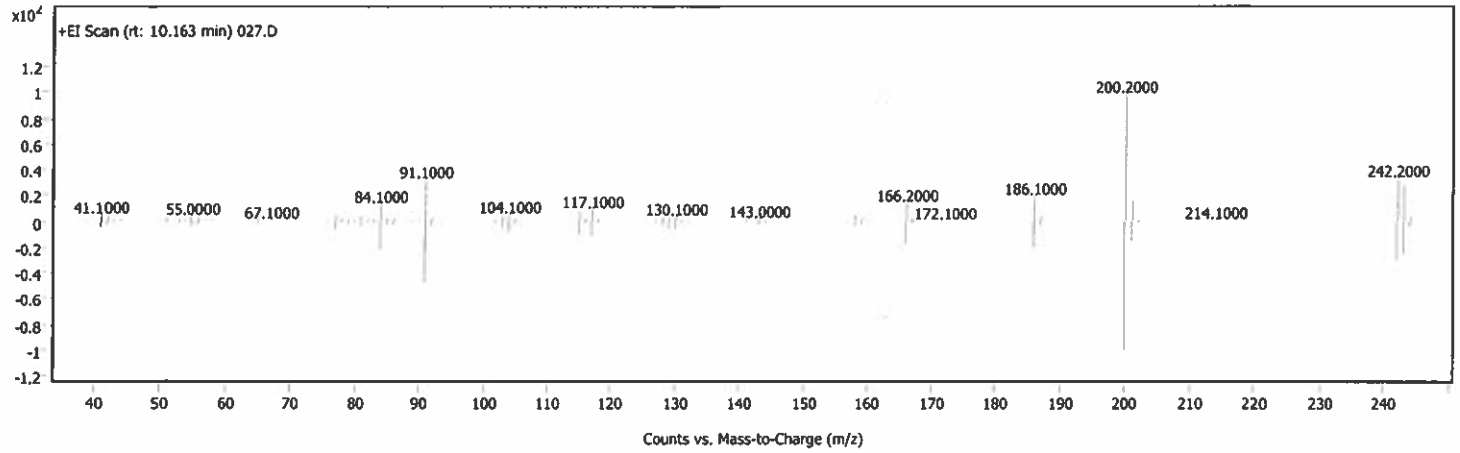
+ Scan (rt: 10.163 min) **PHENCYCLIDINE; C17H25N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
PHENCYCLIDINE	C17H25N	98.55	aafs.l	MATRIX 6 W/ SW CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

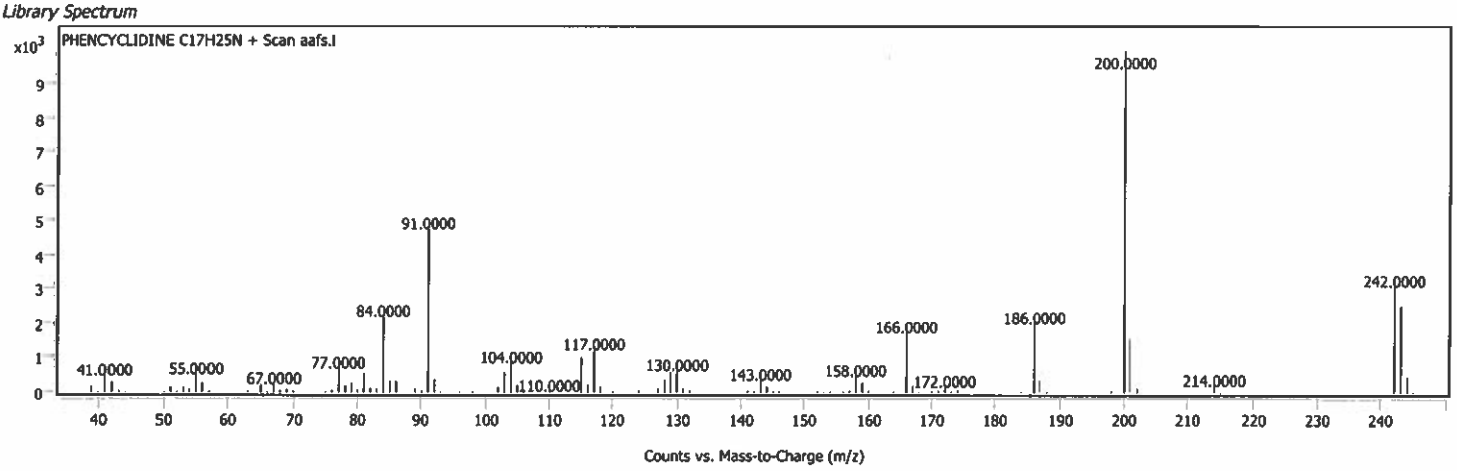
Observed Spectrum



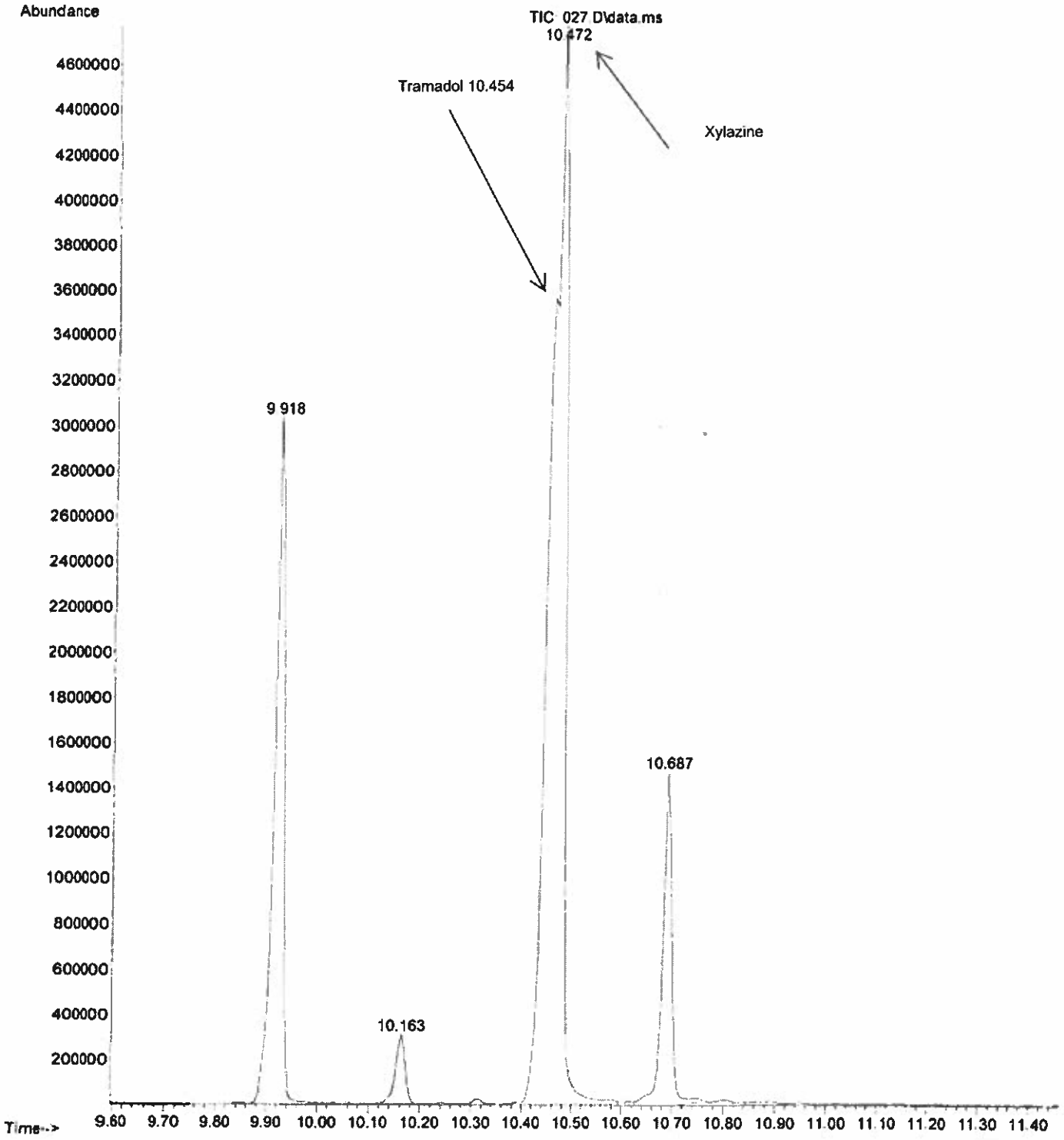
Mirror Plot



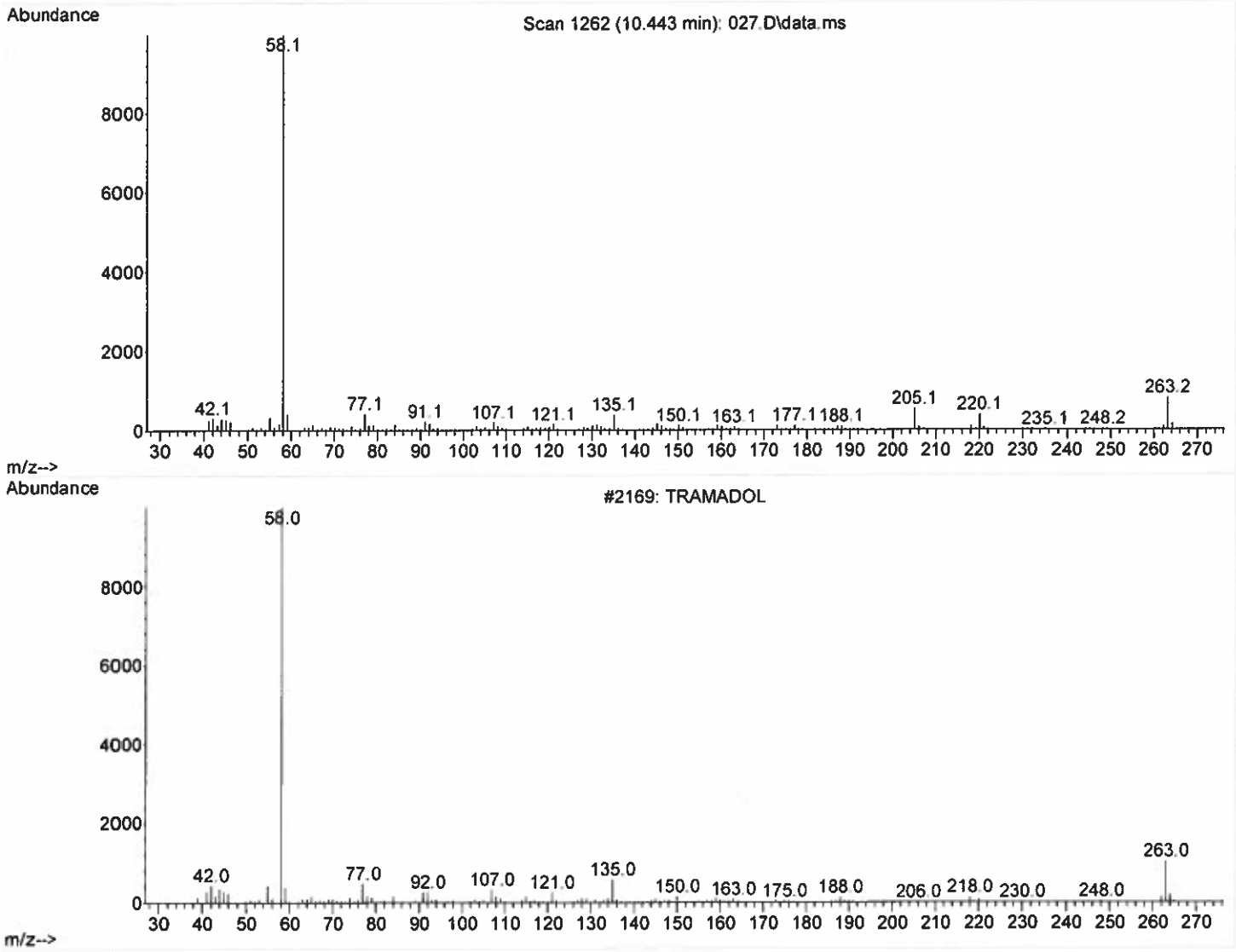
Library Spectrum



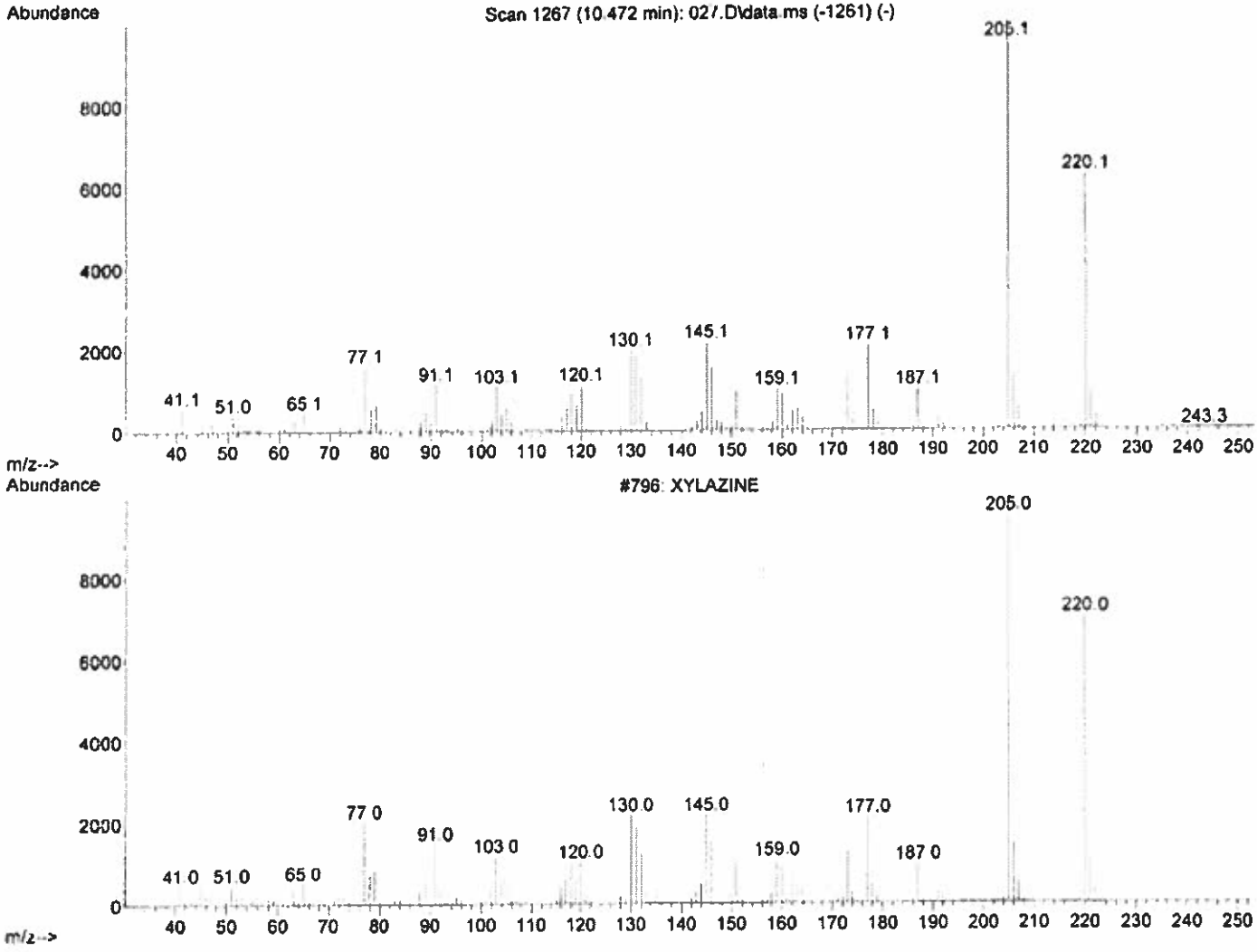
File :C:\Users\TOX\Desktop\092821\027.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 29 Sep 2021 01:43 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX 6 W/ SW CTL + XYLAZINE - URN
Misc Info : 2.0 mg/L - 400uL of 0.01 mg/mL CTL, plus 400uL 0.1 mg/mL XYLAZINE
Vial Number: 55



Library Searched : C:\MassHunter\Library\aafs.l
Quality : 95
ID : TRAMADOL
Sample Name: MATRIX 6 W/ SW CTL + XYLAZINE - URN
File: C:\Users\TOX\Desktop\092821\027.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 01:43
Vial: 55



Library Searched : C:\MassHunter\Library\aafs.l
Quality : 99
ID : XYLAZINE
Sample Name: MATRIX 6 W/ SW CTL + XYLAZINE - URN
File: C:\Users\TOX\Desktop\092821\027.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 01:43
Vial: 55



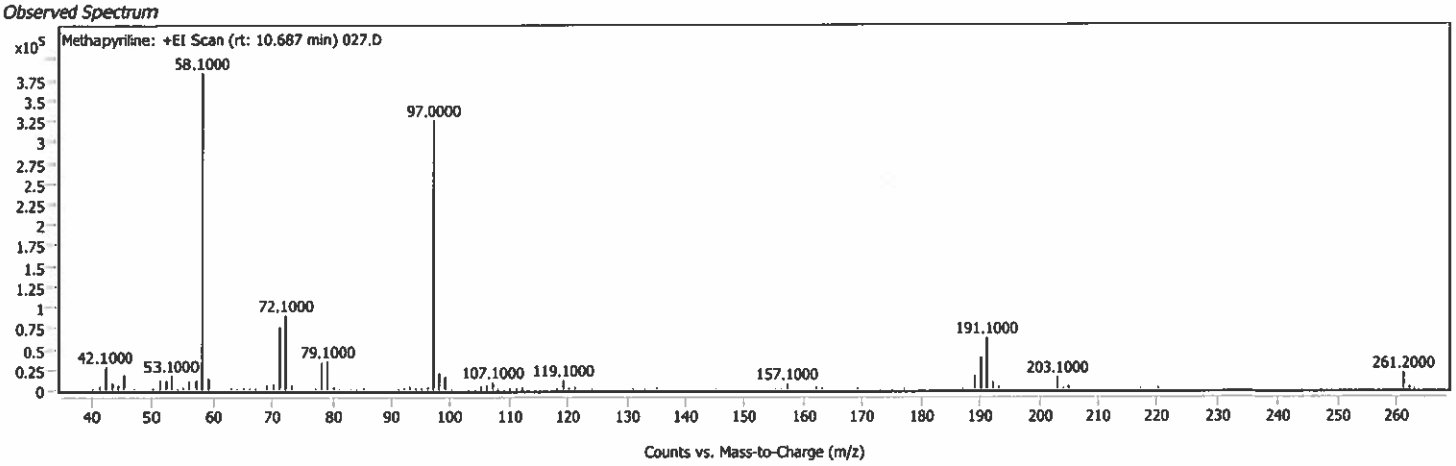
Analysis Report

Agilent

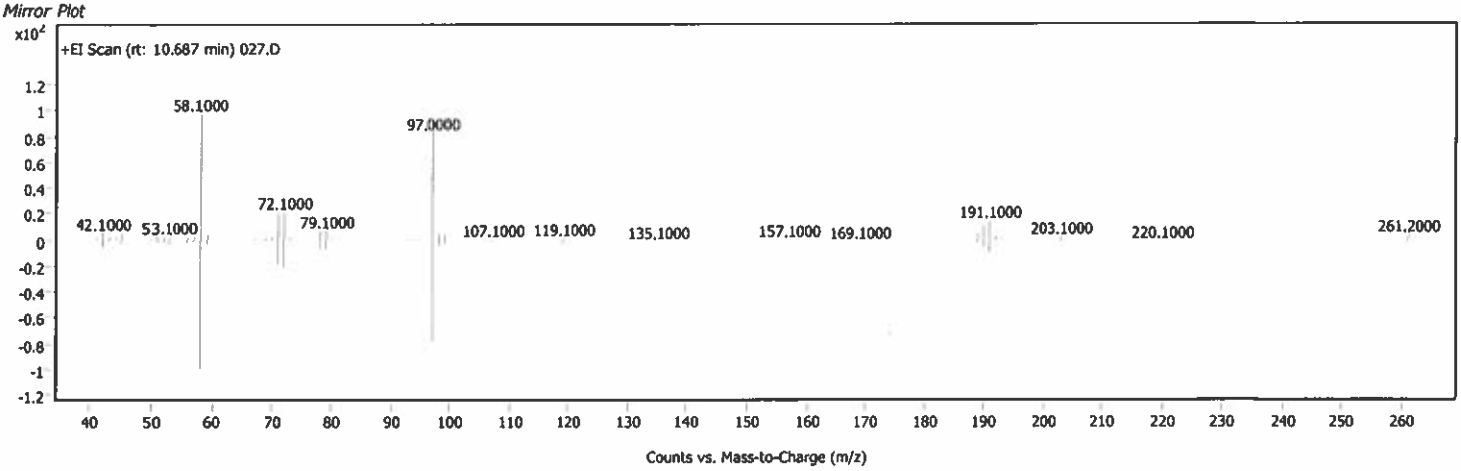
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	97.83	SWGDRUG 3.3.L	MATRIX 6 W/ SW CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

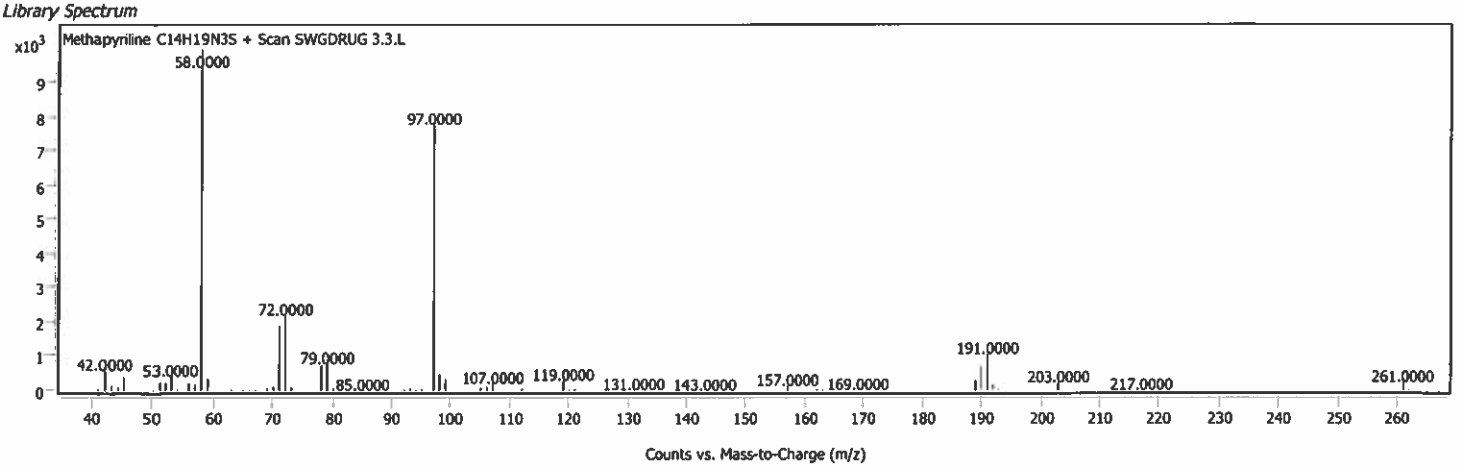
Observed Spectrum



Mirror Plot



Library Spectrum



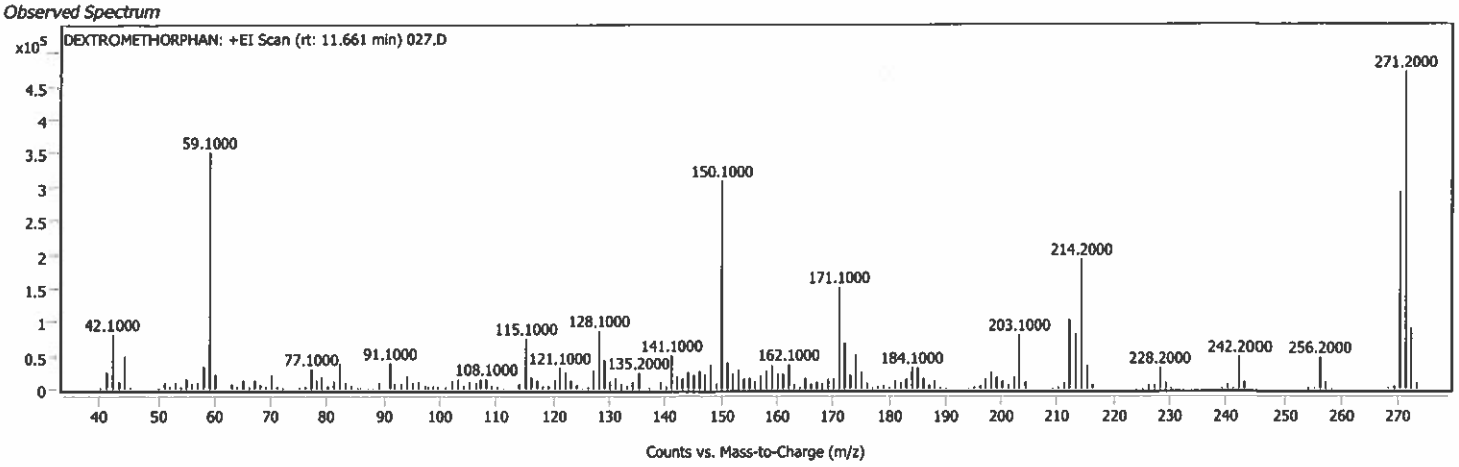
Analysis Report

Agilent

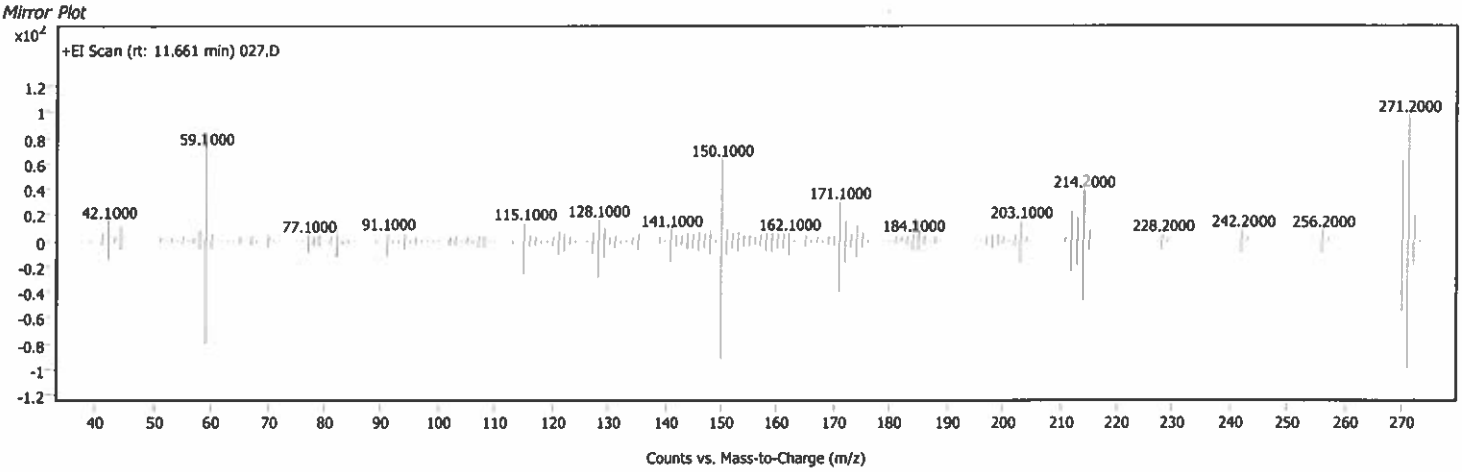
+ Scan (rt: 11.661 min) **DEXTROMETHORPHAN; C18H25NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DEXTROMETHORPHAN	C18H25NO	92.20	aafs.l	MATRIX 6 W/ SW CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

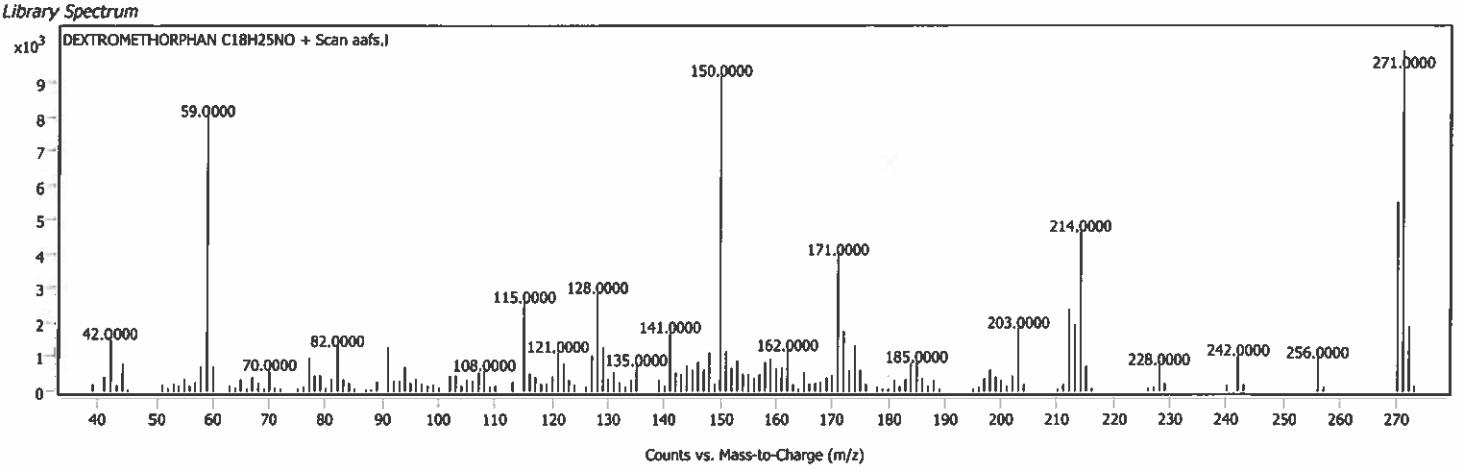
Observed Spectrum



Mirror Plot



Library Spectrum



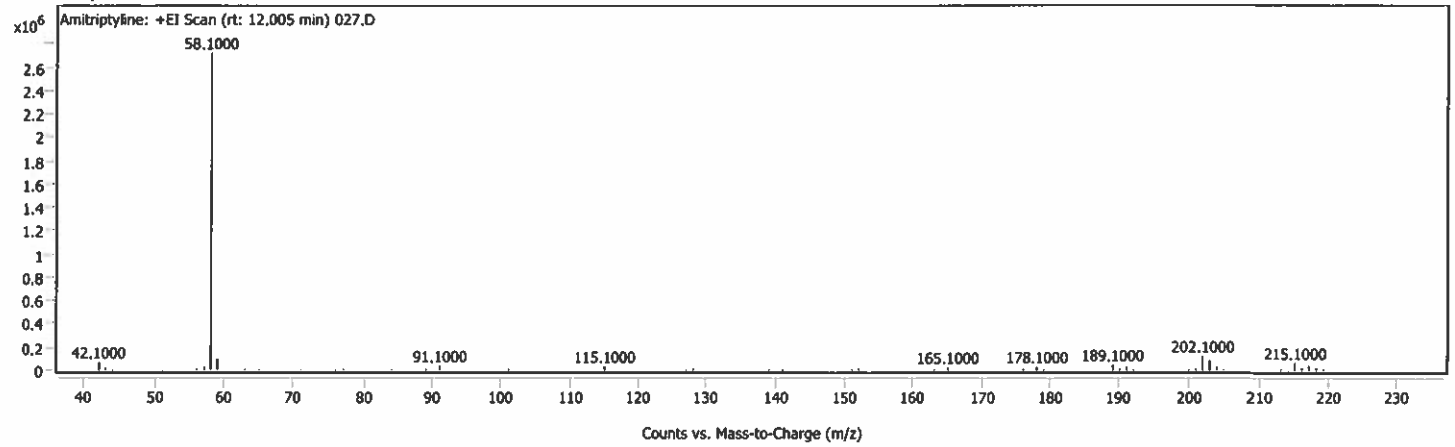
Analysis Report

Agilent

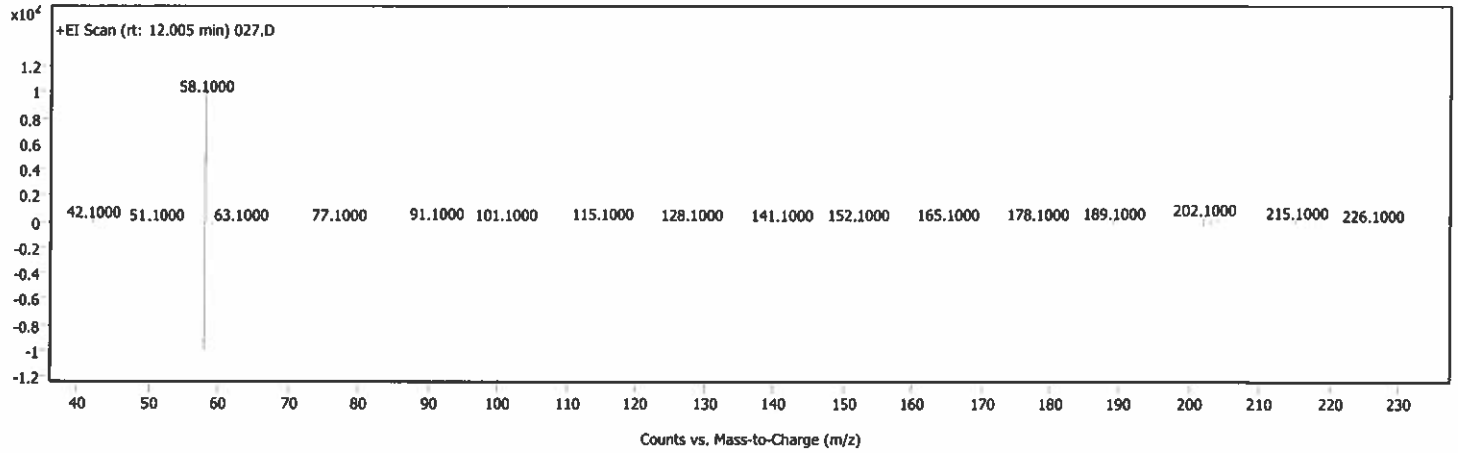
+ Scan (rt: 12.005 min) **Amitriptyline; C20H23N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Amitriptyline	C20H23N	97.86	SWGDRUG 3.3.L	MATRIX 6 W/ SW CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

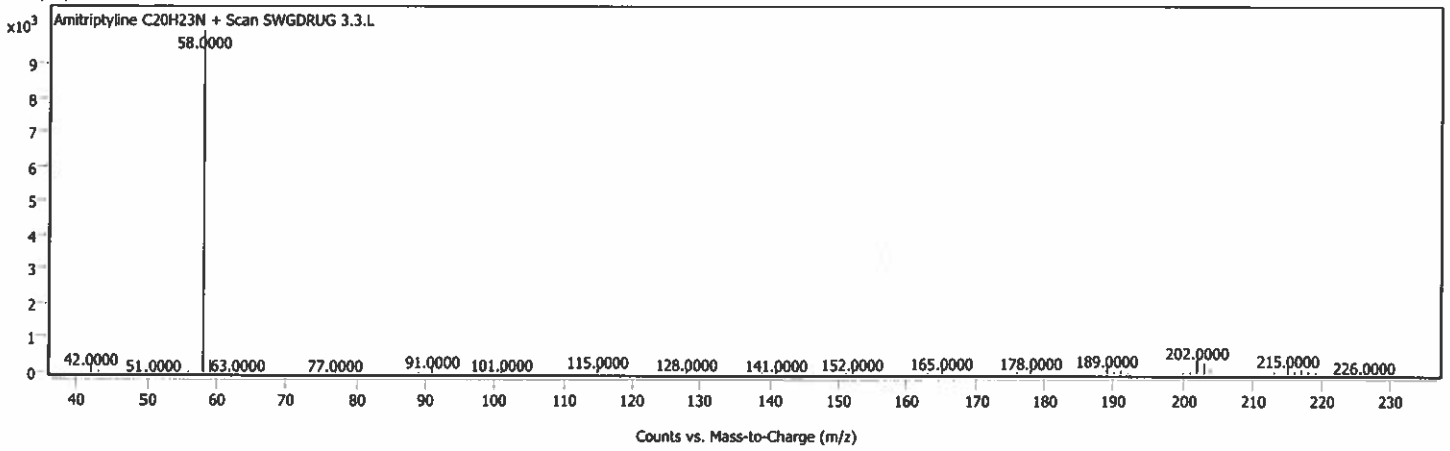
Observed Spectrum



Mirror Plot



Library Spectrum



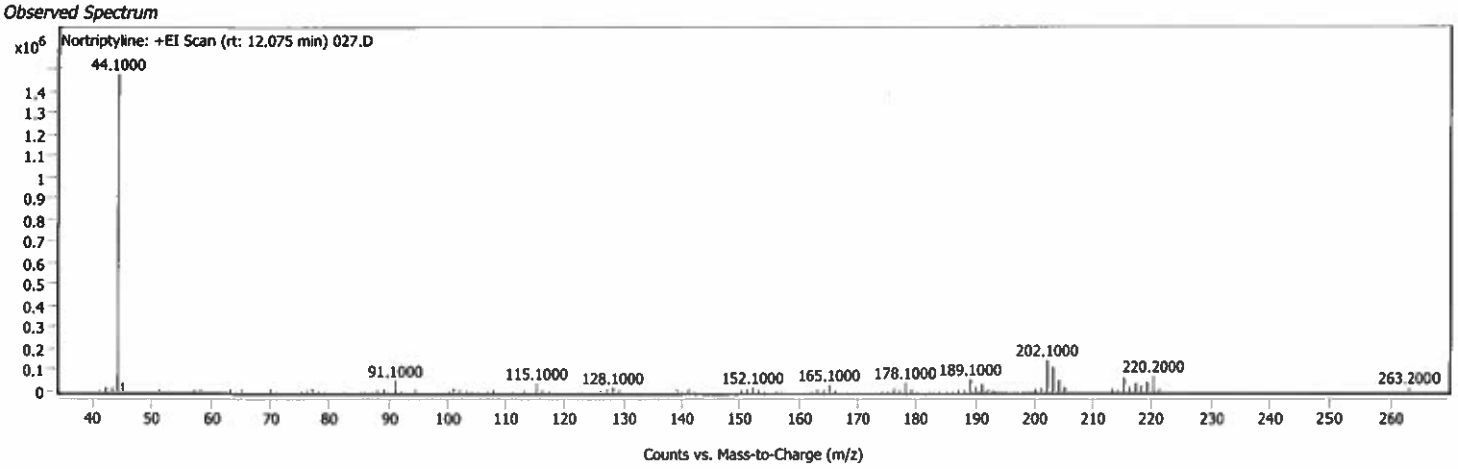
Analysis Report

Agilent

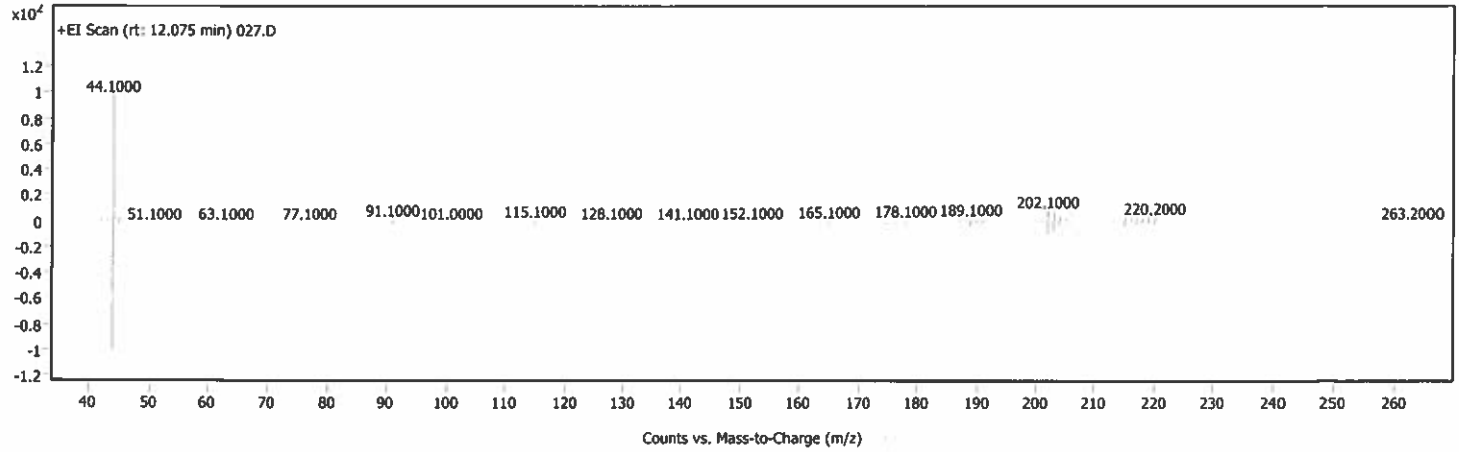
+ Scan (rt: 12.075 min) **Nortriptyline; C19H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Nortriptyline	C19H21N	97.80	SWGDRUG 3.3.L	MATRIX 6 W/ SW CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

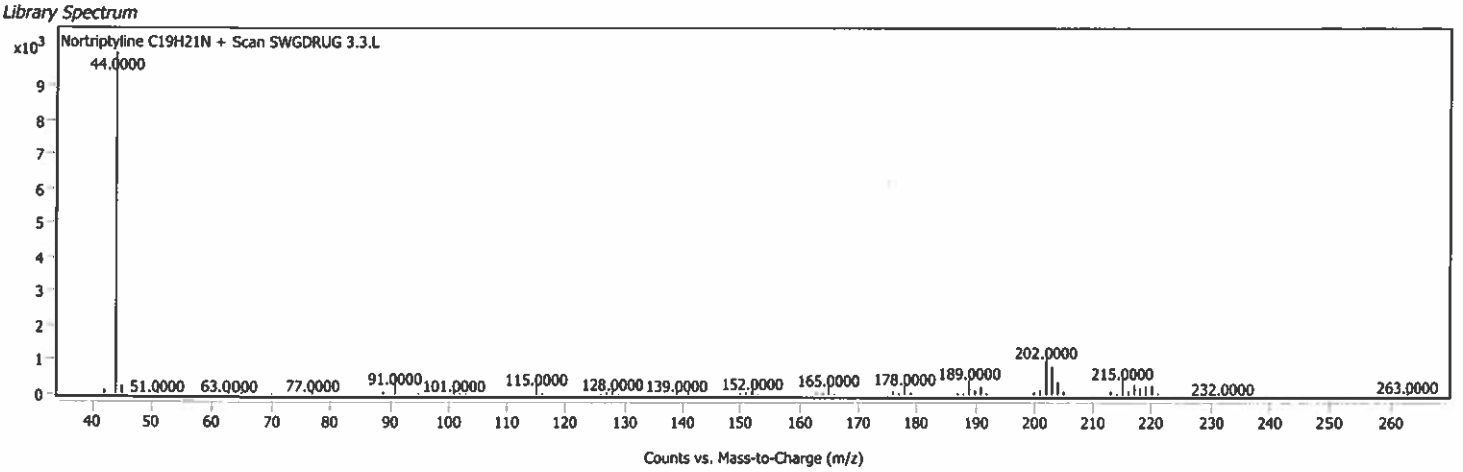
Observed Spectrum



Mirror Plot



Library Spectrum



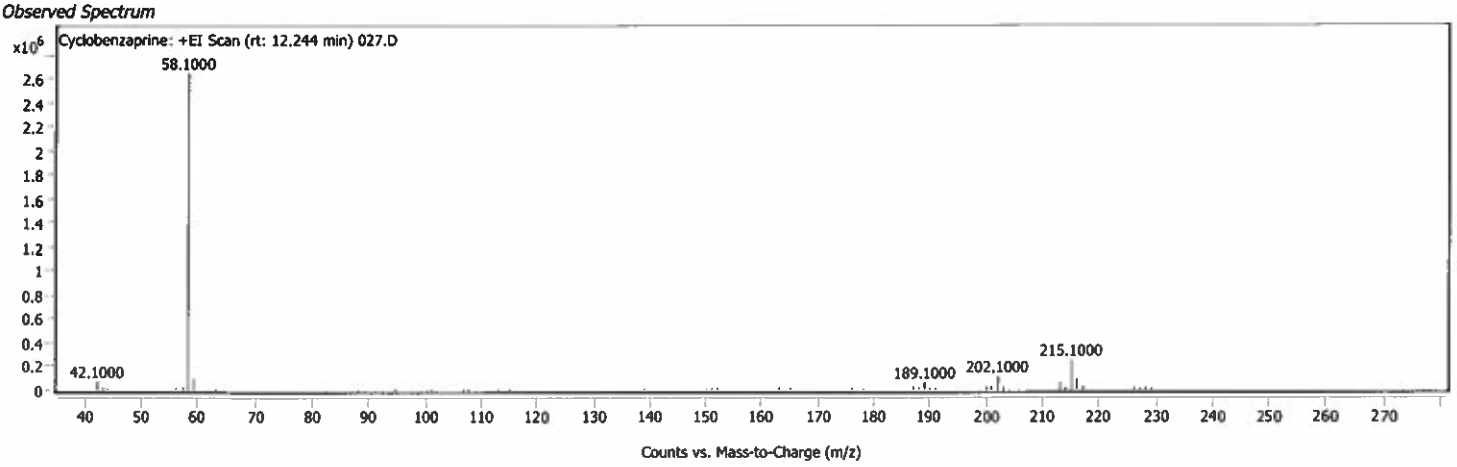
Analysis Report

Agilent

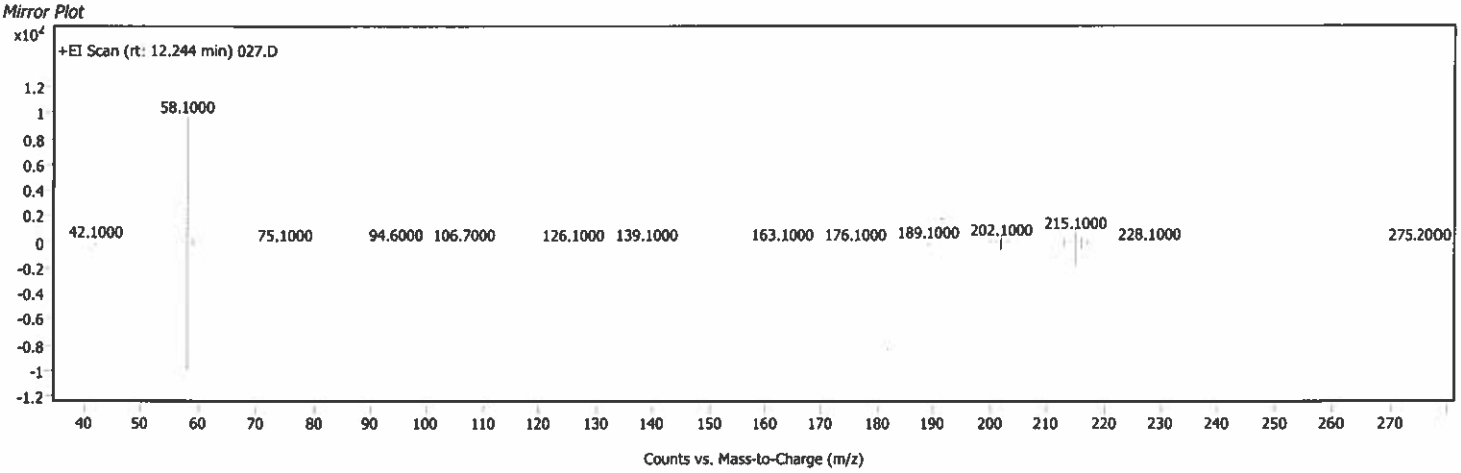
+ Scan (rt: 12.244 min) **Cyclobenzaprine; C20H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Cyclobenzaprine	C20H21N	96.63	SWGDRUG 3.3.L	MATRIX 6 W/ SW CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

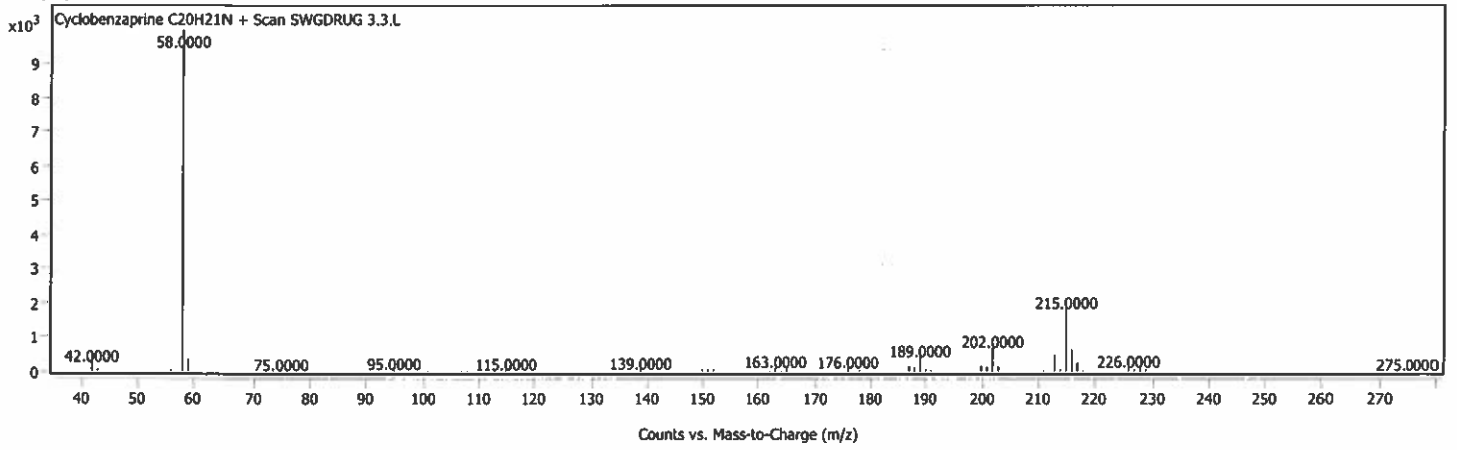
Observed Spectrum



Mirror Plot



Library Spectrum



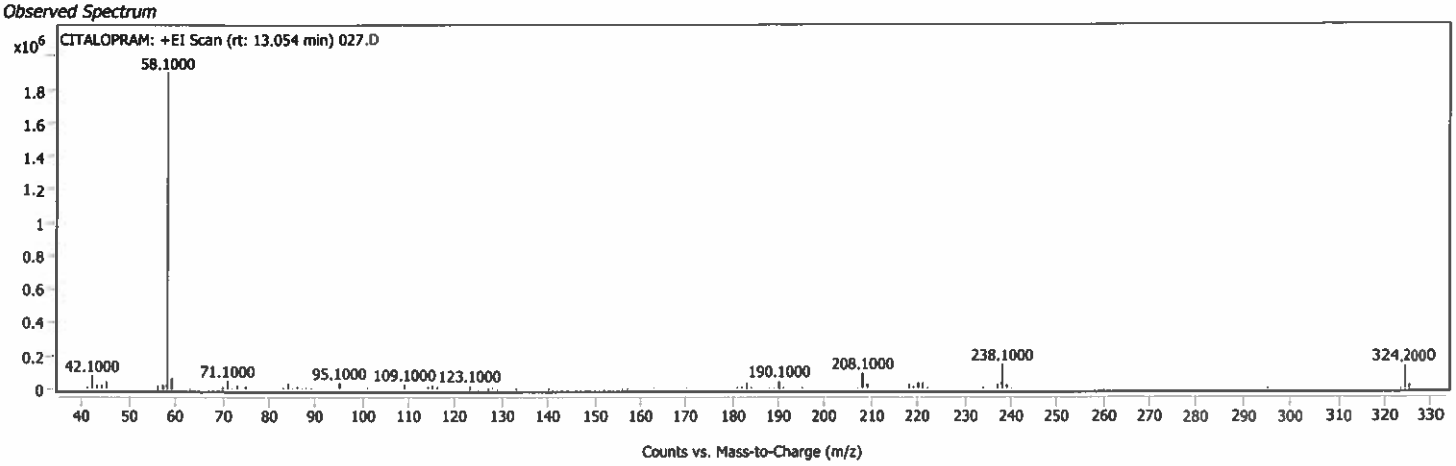
Analysis Report

Agilent

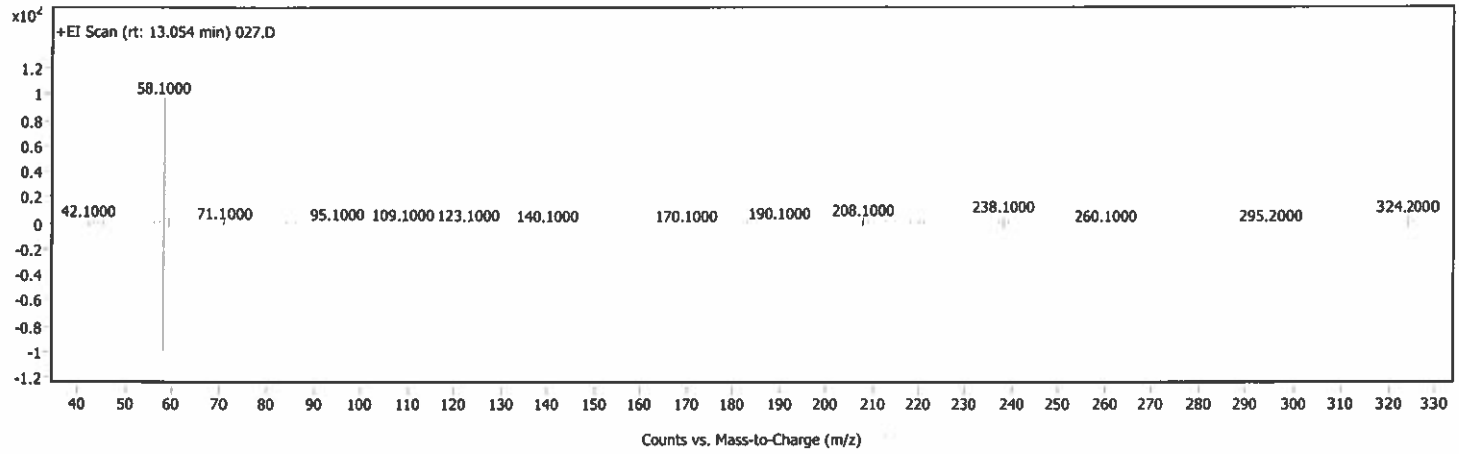
+ Scan (rt: 13.054 min) **CITALOPRAM; C20H21FN2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CITALOPRAM	C20H21FN2O	96.27	aafs.l	MATRIX 6 W/ SW CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

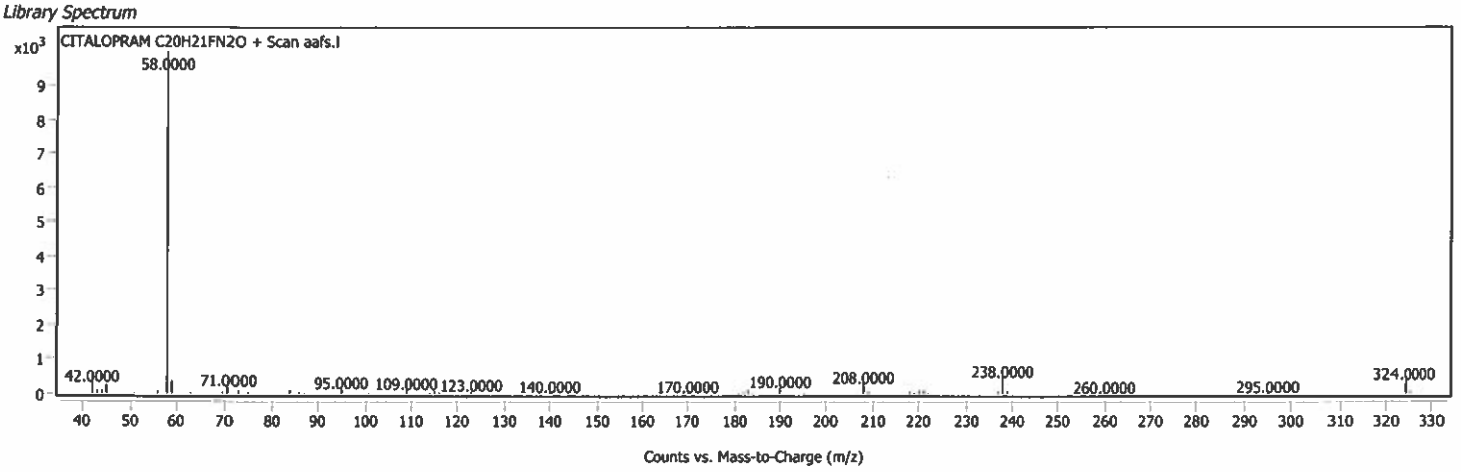
Observed Spectrum



Mirror Plot



Library Spectrum



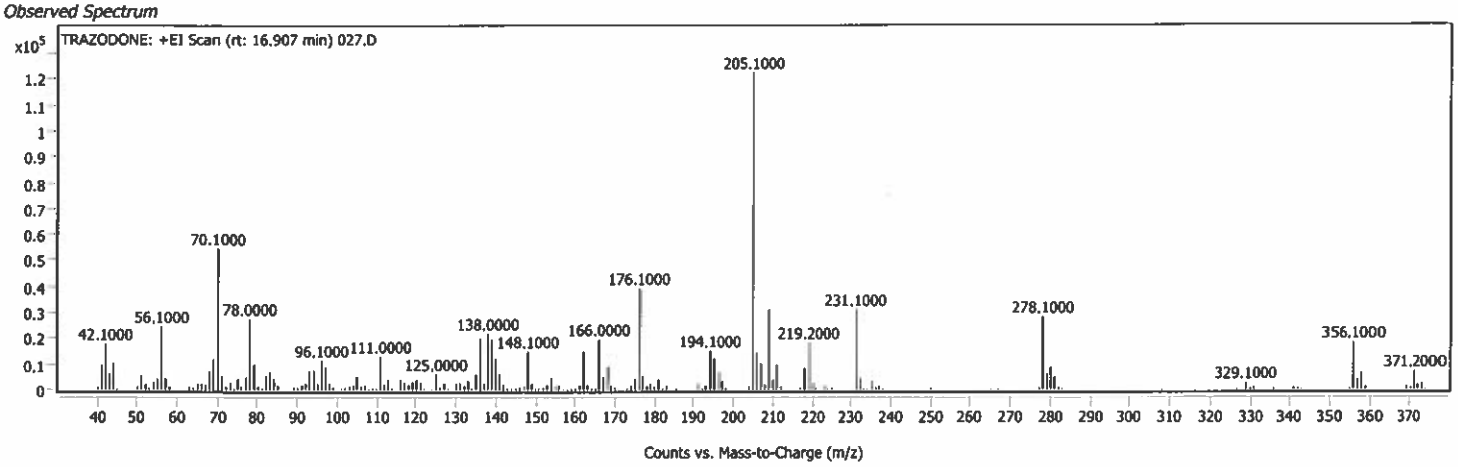
Analysis Report

Agilent

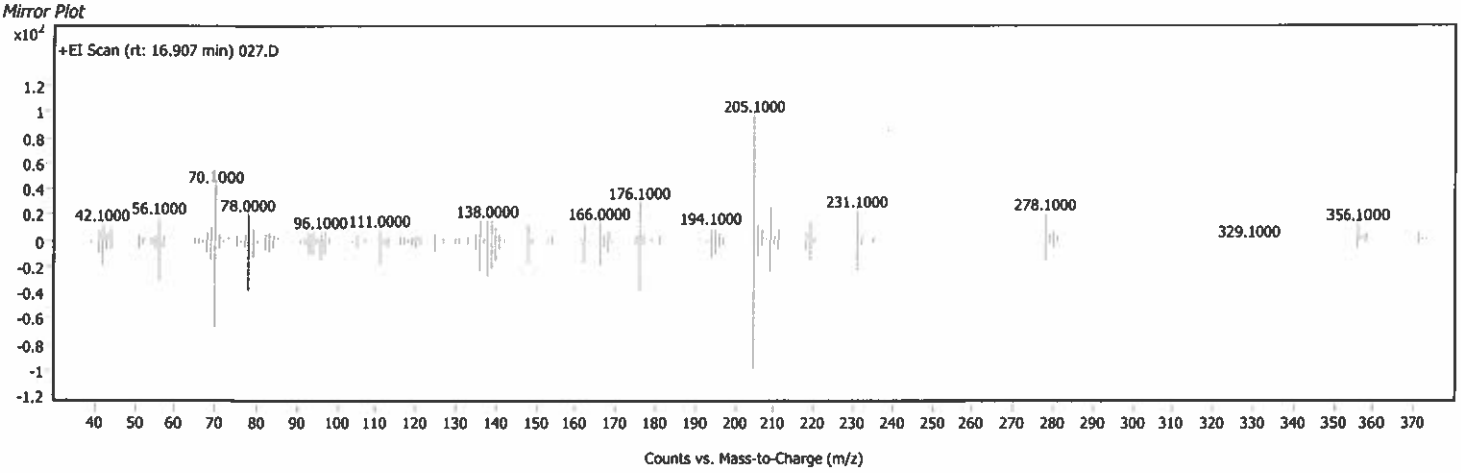
+ Scan (rt: 16.907 min) **TRAZODONE**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
TRAZODONE		93.56	aafs.l	MATRIX 6 W/ SW CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

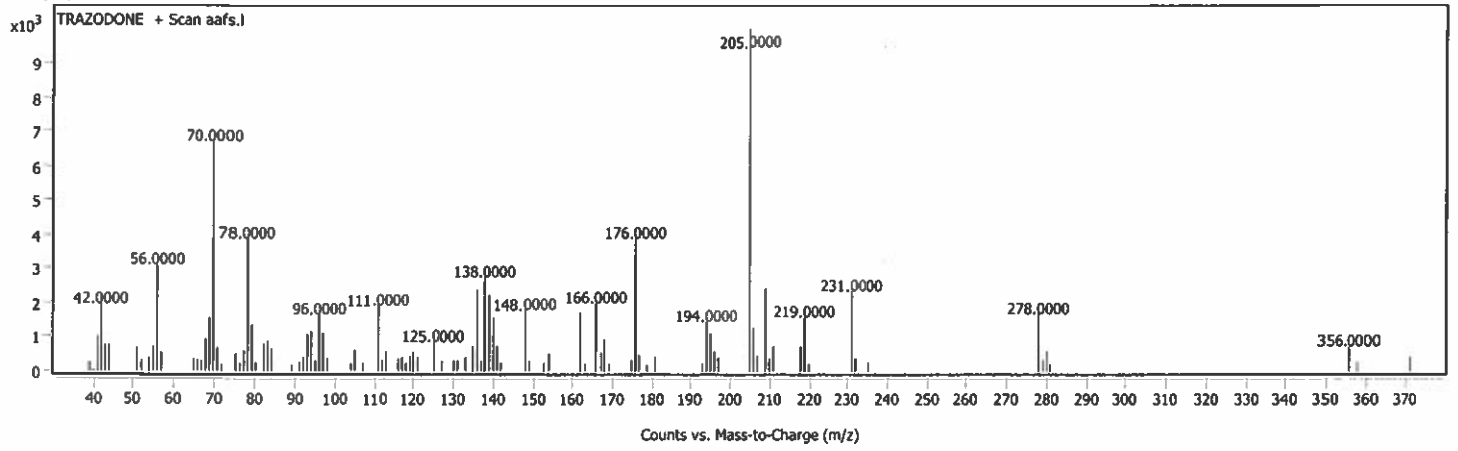
Observed Spectrum



Mirror Plot

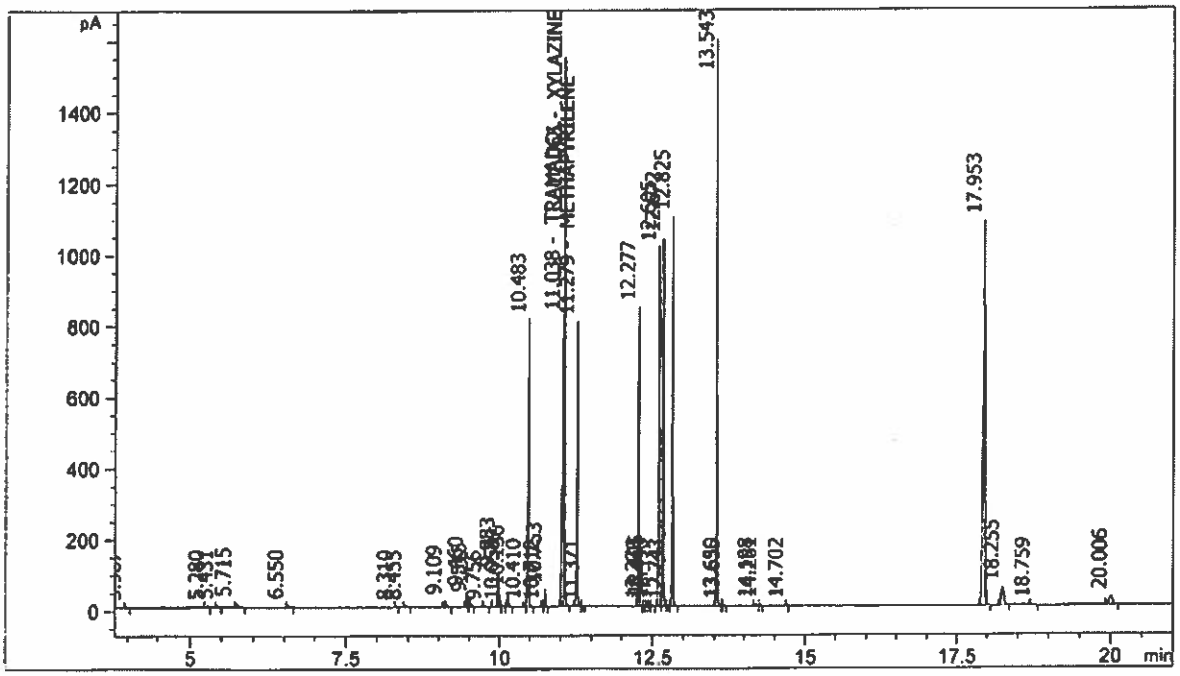


Library Spectrum



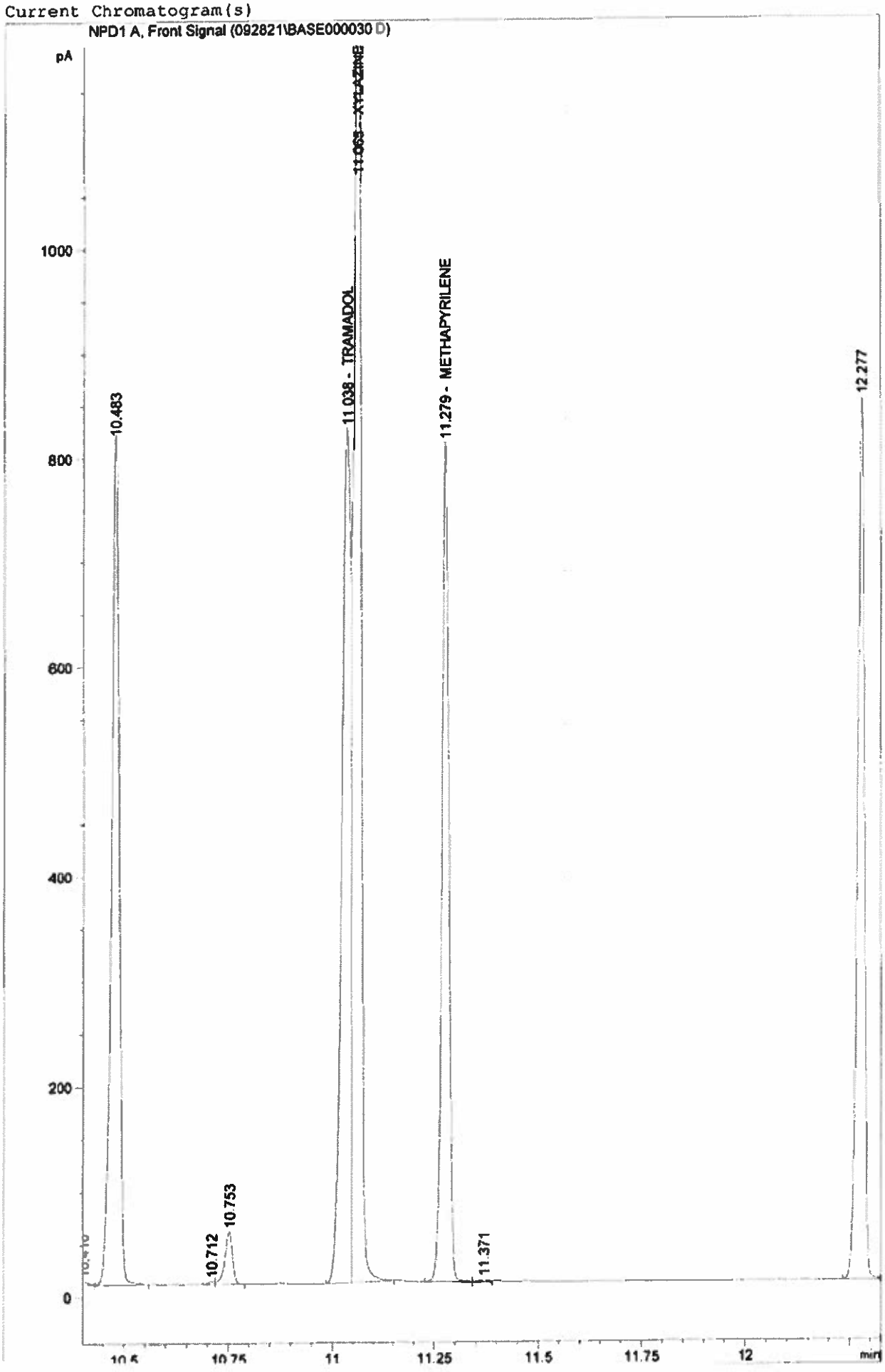
Injection Date: 9/29/2021 1:30:38 AM Seq Line: 30
Sample Name: MATRIX 6 W/ SW CTL + -> Vial 31
Sample Info: xylazine KM 11/17/22

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



see expanded chromatogram on following page

RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.038	11.033	1174.023	814.611	0.000000	TRAMADOL RRT - 0.9786
11.065	11.046	1814.521	1531.839	0.000000	XYLAZINE RRT - 0.9810
11.279	11.278	916.308	800.216	1.000000	METHAPYRILENE


Current Chromatogram(s)
NPD1 A, Front Signal (092821\BASE000030 D)
pA
1000
800
600
400
200
0
10.483
10.712
10.753
11.038 - TRAMADOL
11.063 - XYLAZINE
11.279 - METHAPYRILENE
11.371
12.277
10.5
10.75
11
11.25
11.5
11.75
12
min

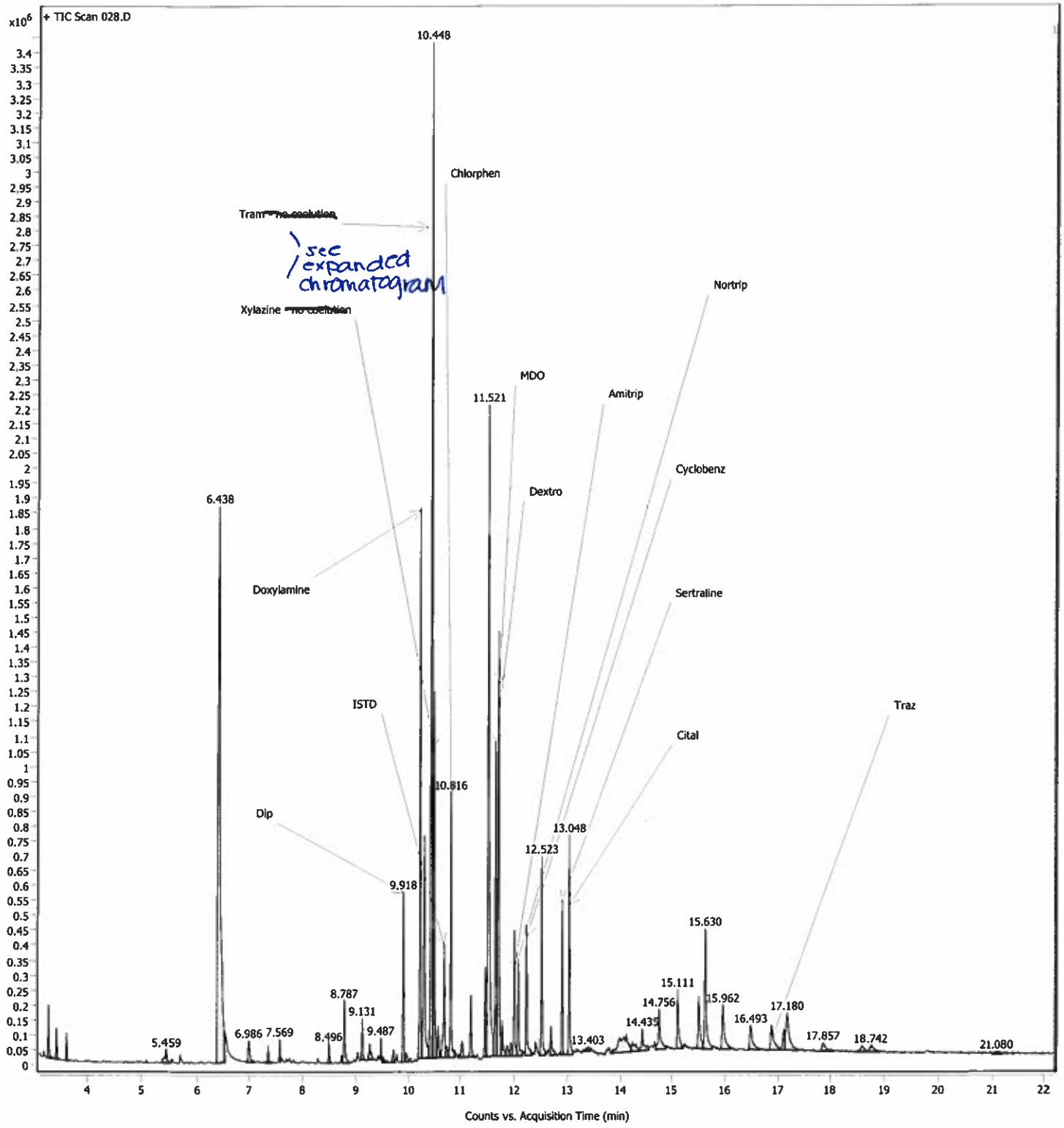
Analysis Report

Agilent

Sample Information

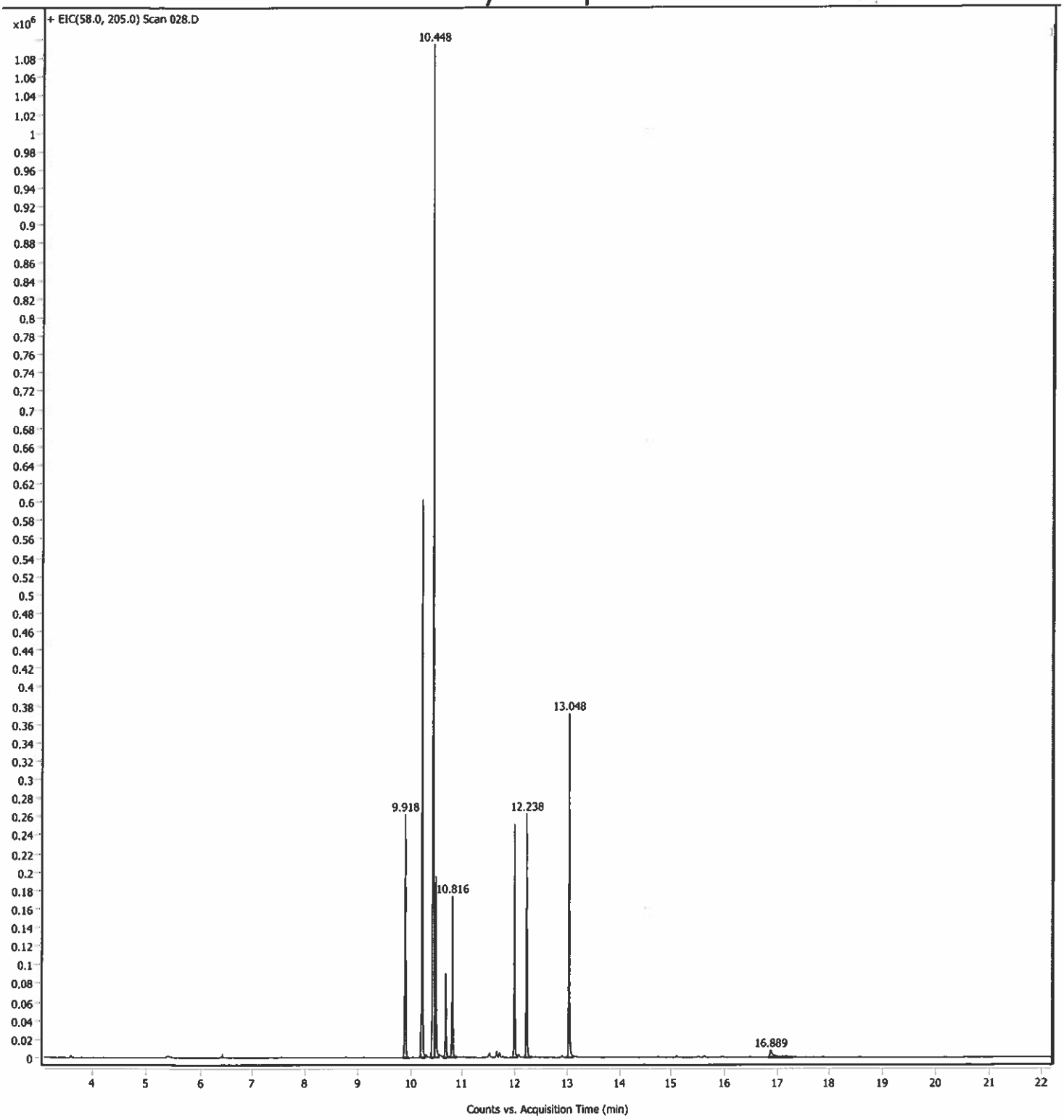
Sample Name	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\028.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 2:09:52 AM (UTC-04:00)
Position	56	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

Agilent



Analysis Report

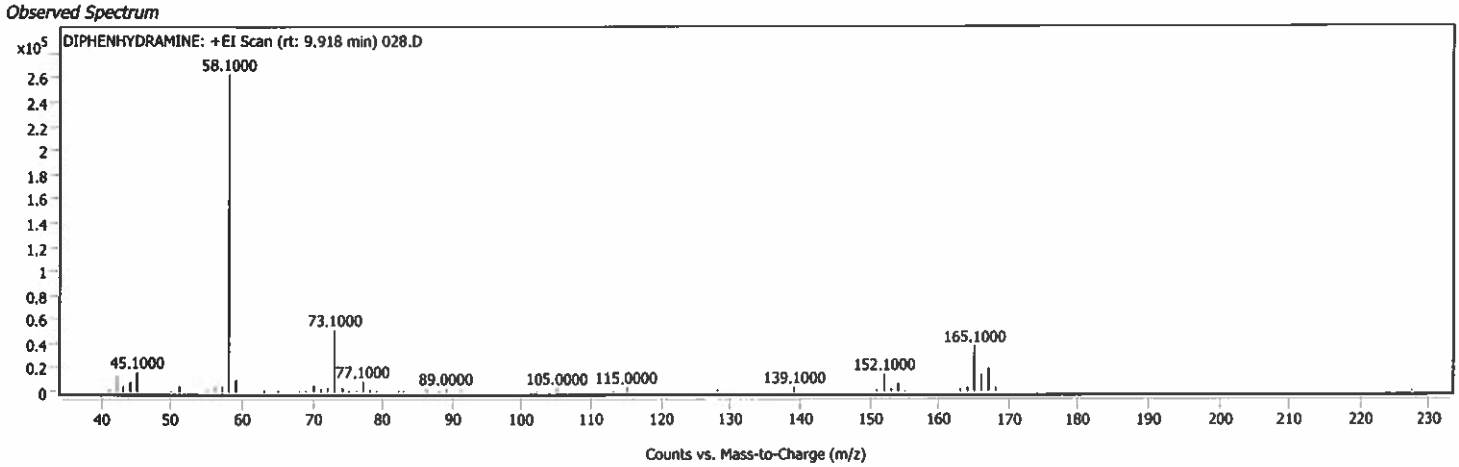
Agilent

Sample Spectra

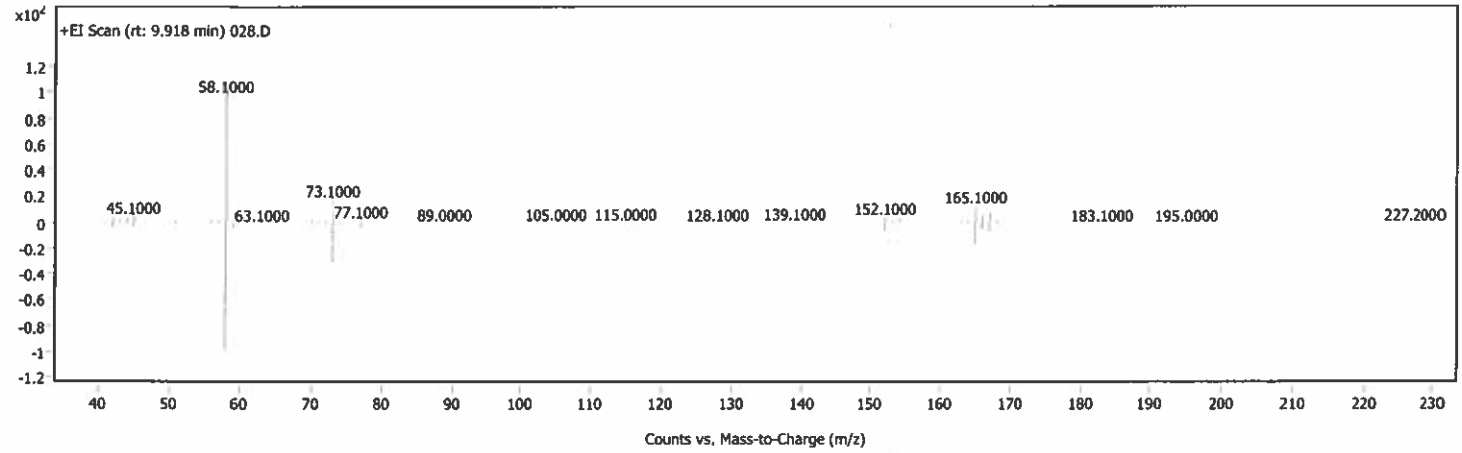
+ Scan (rt: 9.918 min) **DIPHENHYDRAMINE; C17H21NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DIPHENHYDRAMINE	C17H21NO	95.91	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

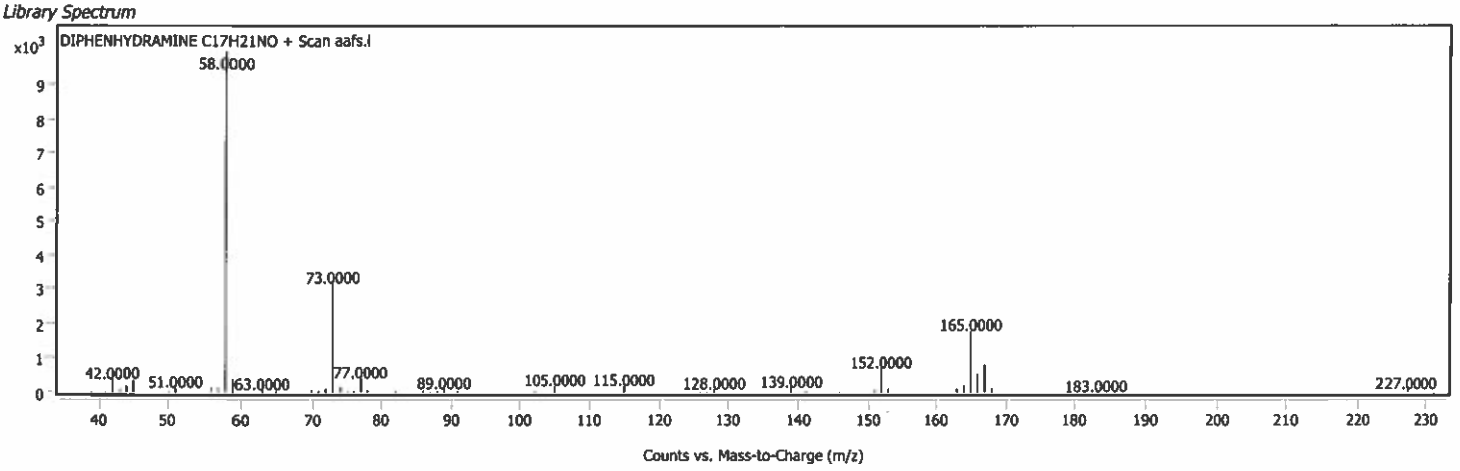
Observed Spectrum



Mirror Plot



Library Spectrum



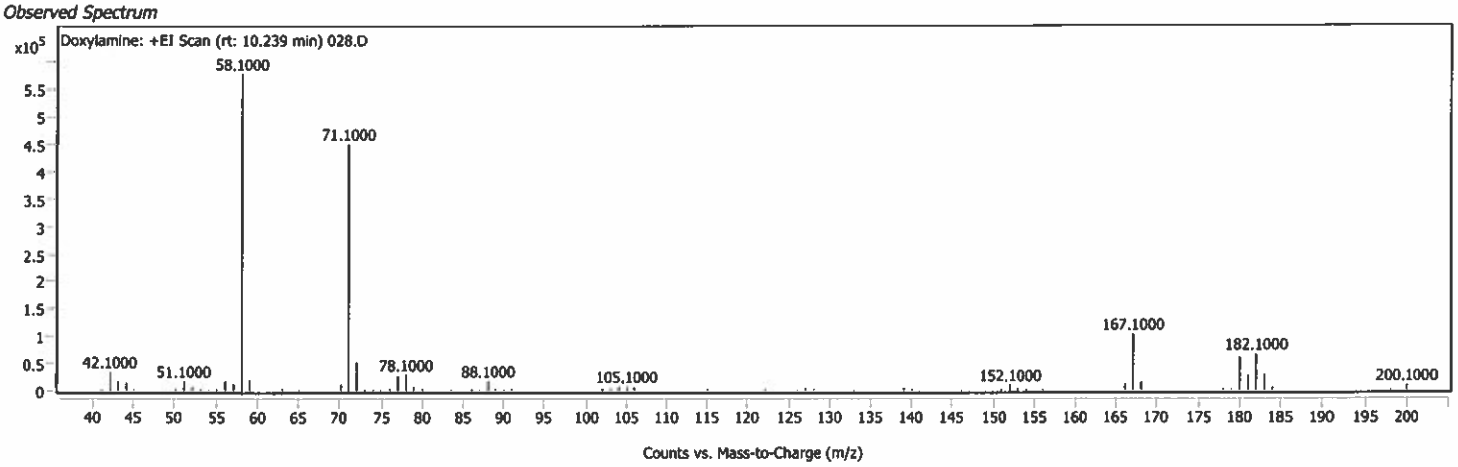
Analysis Report

Agilent

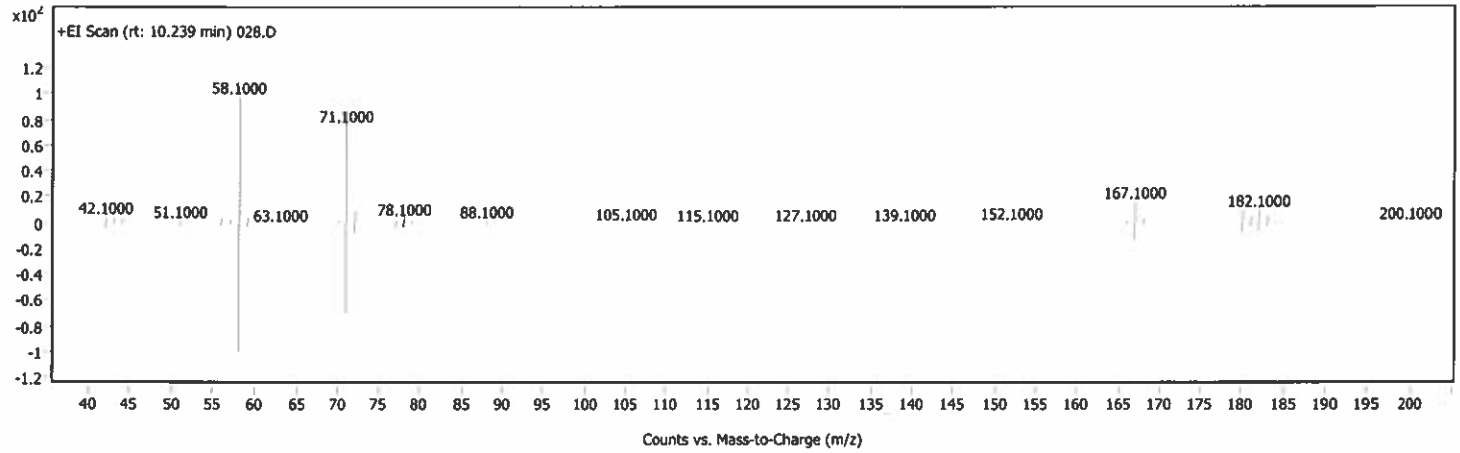
+ Scan (rt: 10.239 min) **Doxylamine; C17H22N2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Doxylamine	C17H22N2O	98.61	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

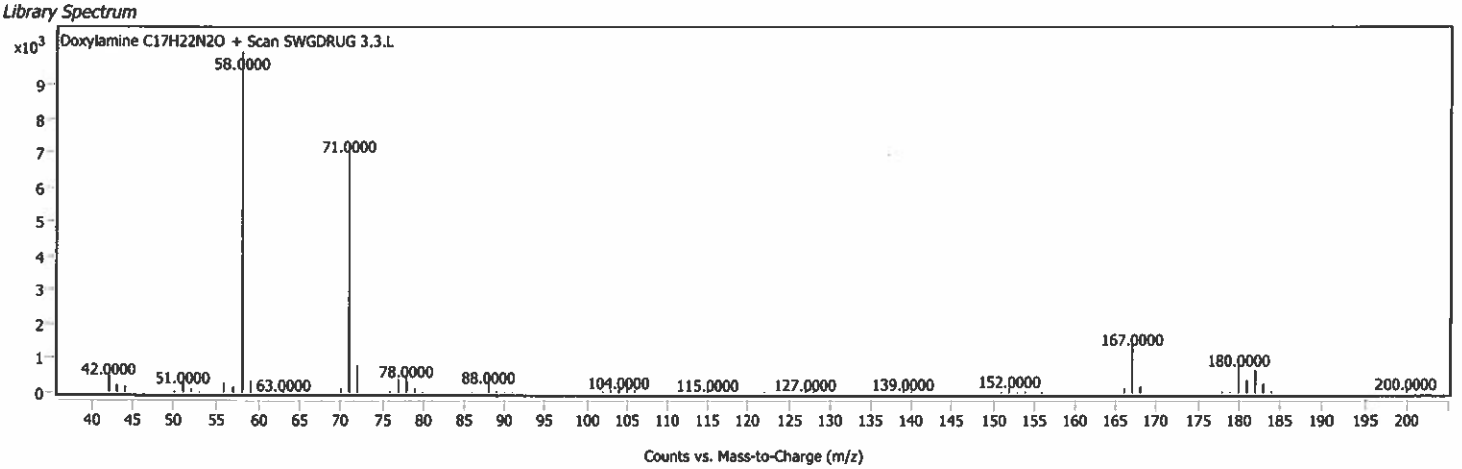
Observed Spectrum



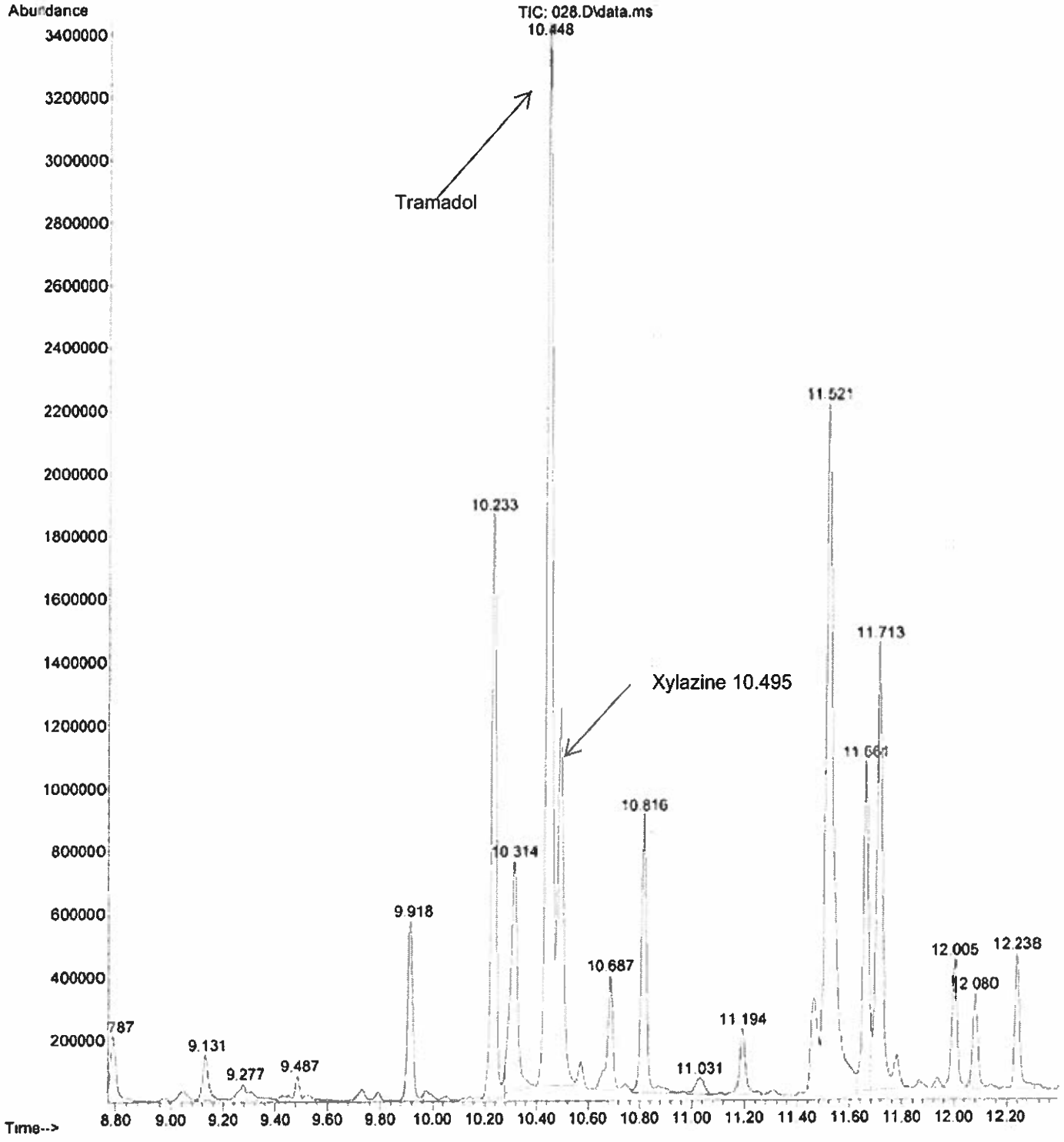
Mirror Plot



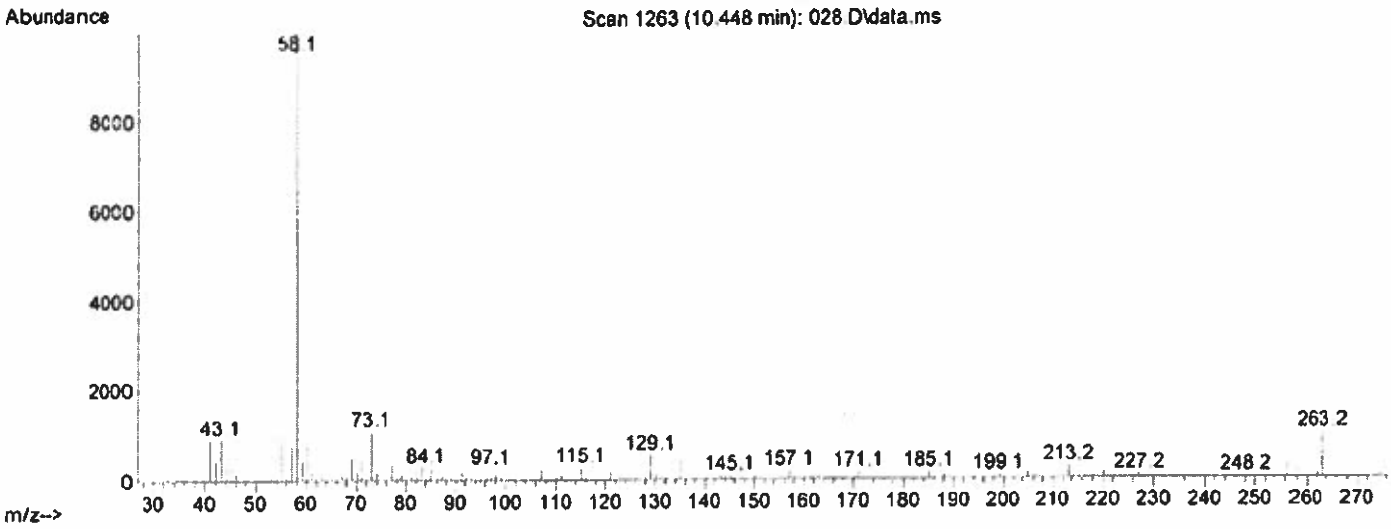
Library Spectrum

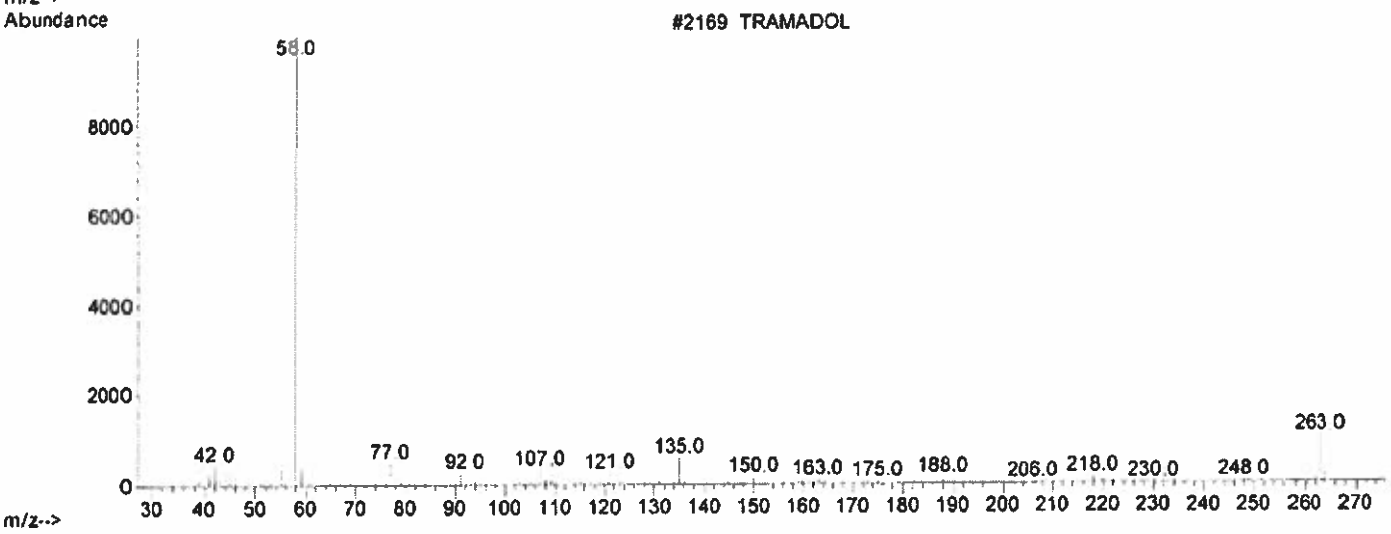


File :C:\Users\TOX\Desktop\092821\028.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 29 Sep 2021 02:09 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR
Misc Info : 2.0 mg/L - 400uL of 0.01 mg/mL Cal, plus 400uL 0.1 mg/mL XYLAZINE
Vial Number: 56

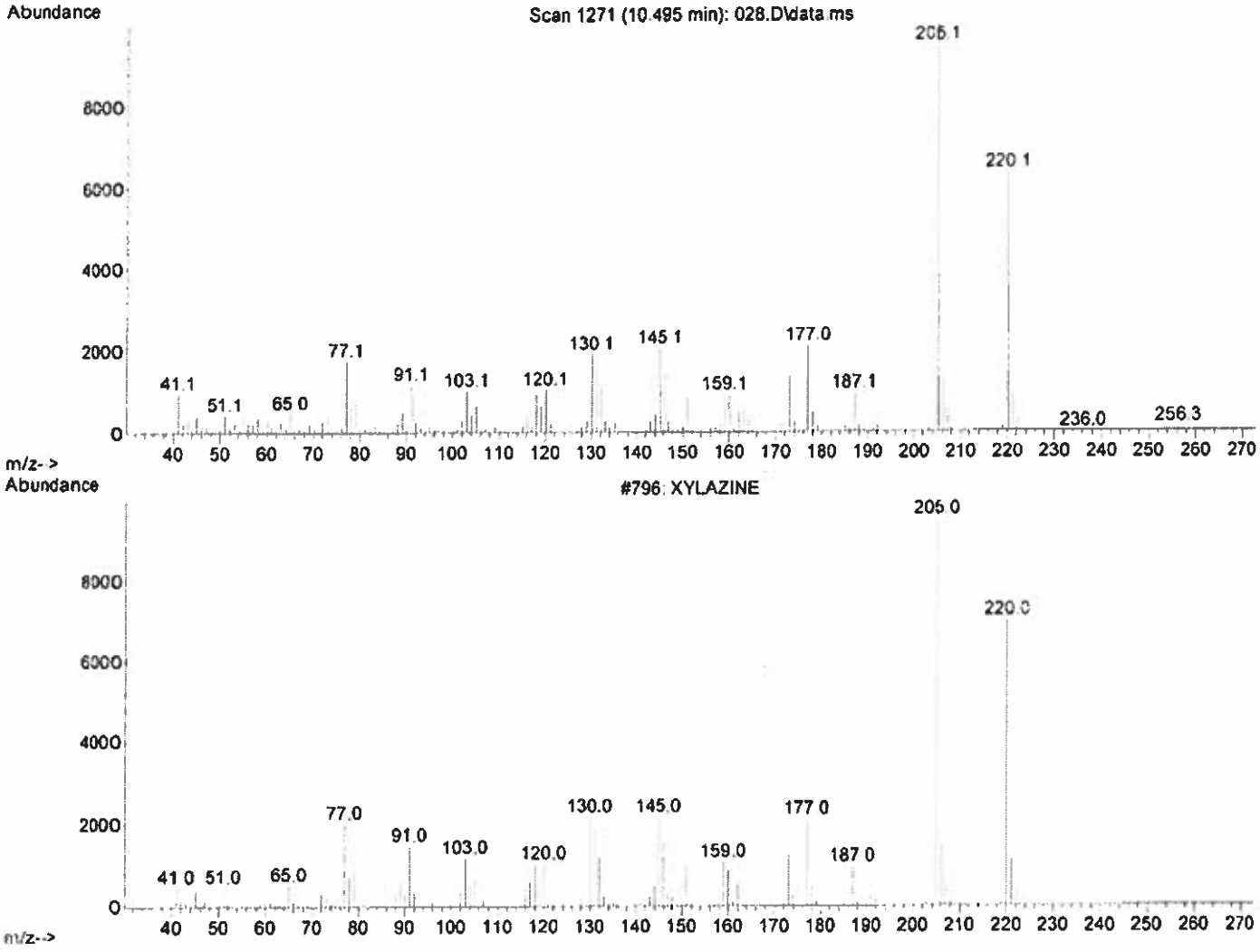


Library Searched : C:\MassHunter\Library\aafs.l
Quality : 95
ID : TRAMADOL
Sample Name: MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR
File: C:\Users\TOX\Desktop\092821\028.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 02:09
Vial: 56





Library Searched : C:\MassHunter\Library\aafs.l
Quality : 99
ID : XYLAZINE
Sample Name: MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR
File: C:\Users\TOX\Desktop\092821\028.D
Operator: KM/QC DATA IN XYLAZINE VALIDATION
Date Acquired: 29 Sep 2021 02:09
Vial: 56



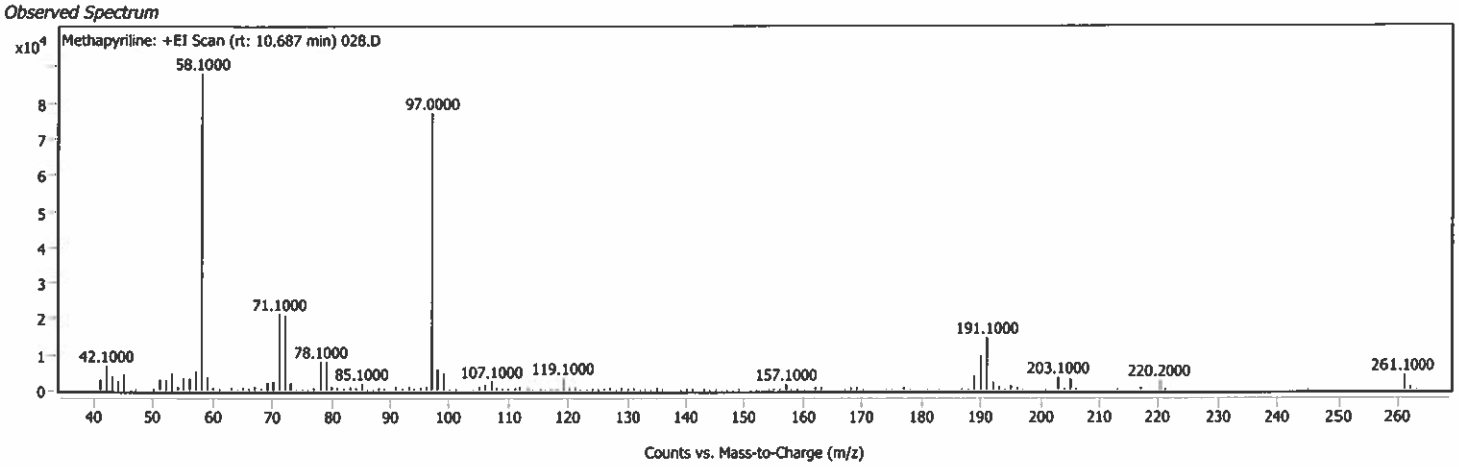
Analysis Report

Agilent

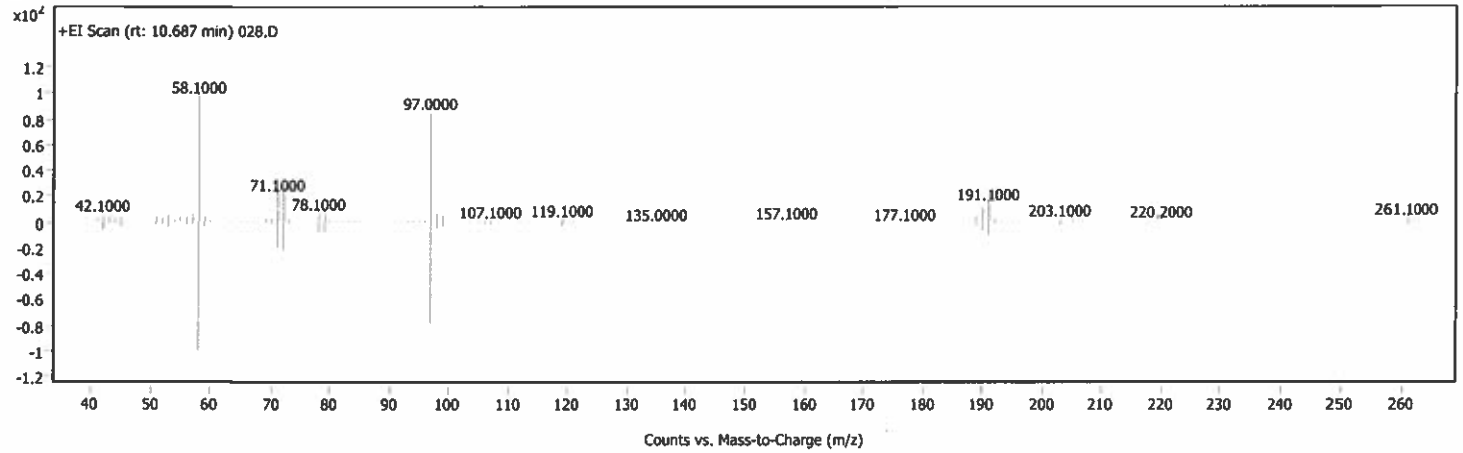
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	91.30	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

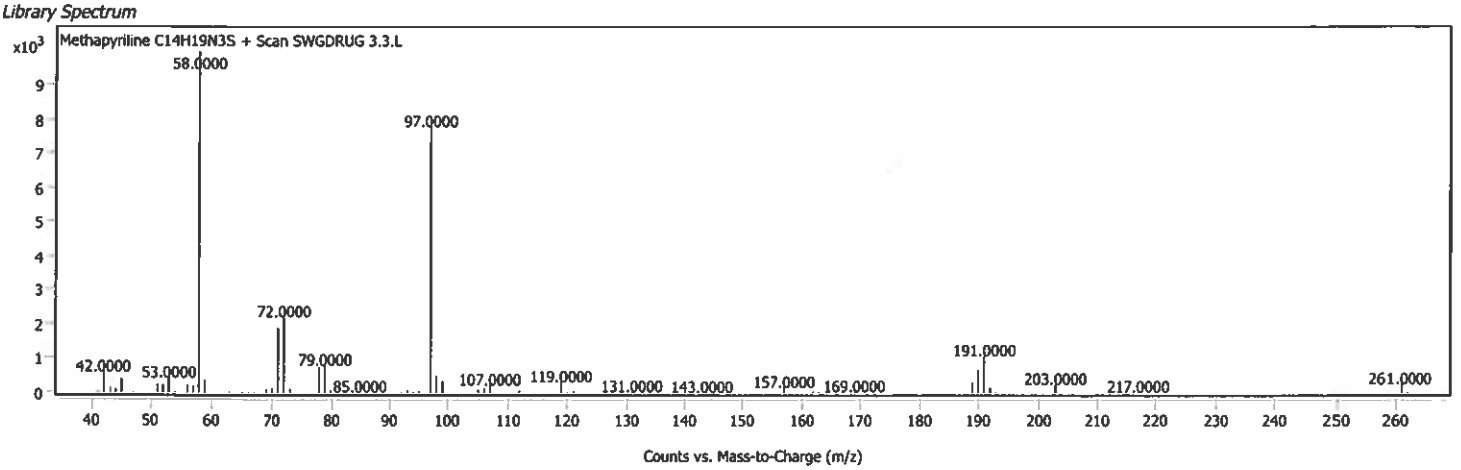
Observed Spectrum



Mirror Plot



Library Spectrum



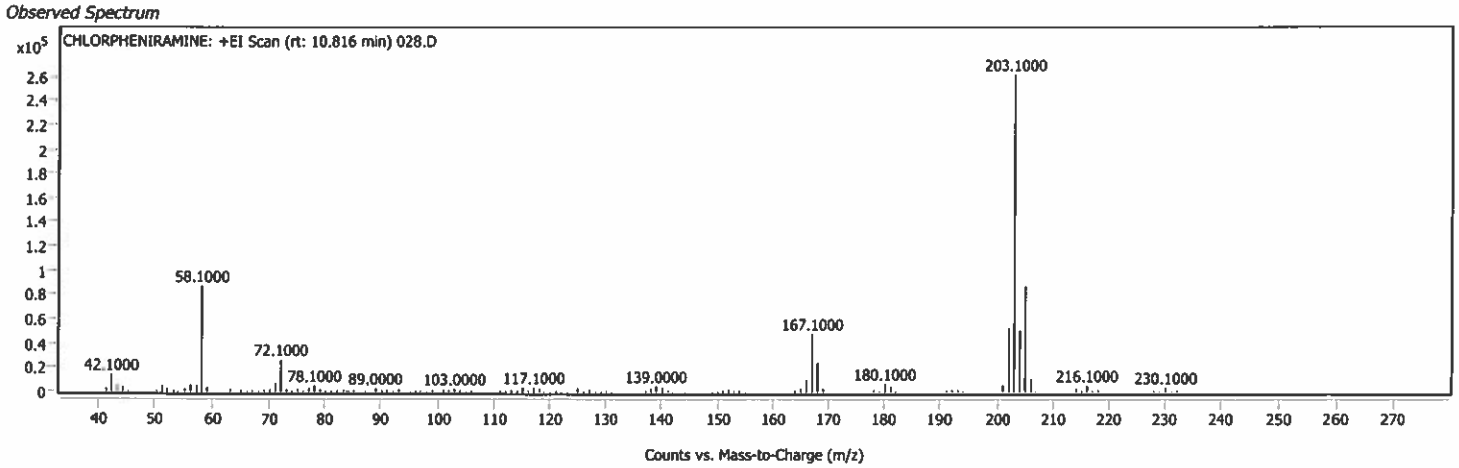
Analysis Report

Agilent

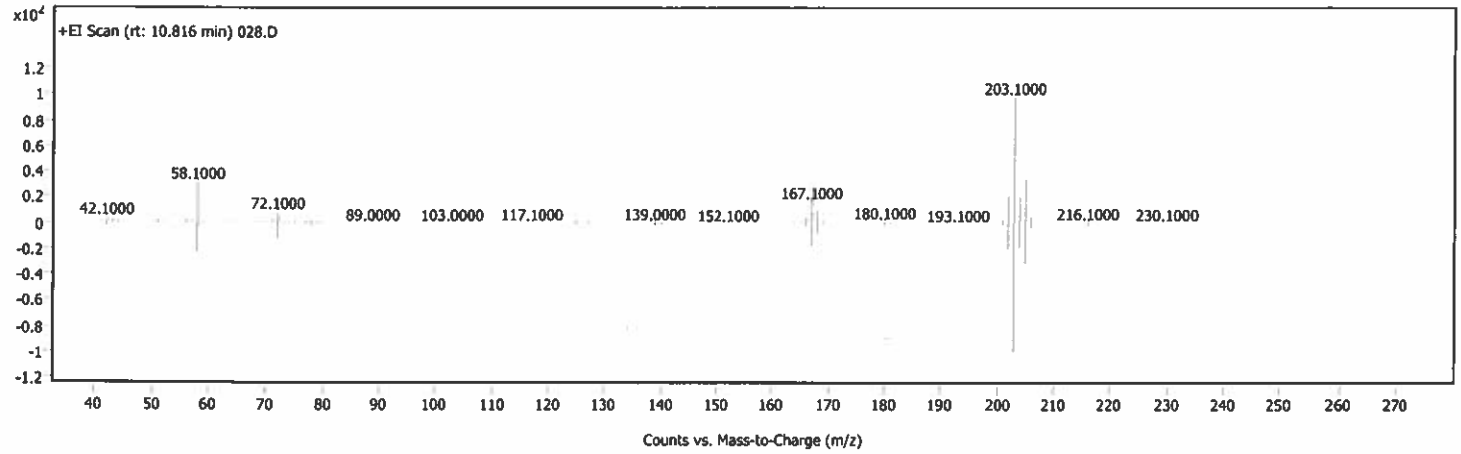
+ Scan (rt: 10.816 min) **CHLORPHENIRAMINE; C16H19ClN2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CHLORPHENIRAMINE	C16H19ClN2	98.01	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

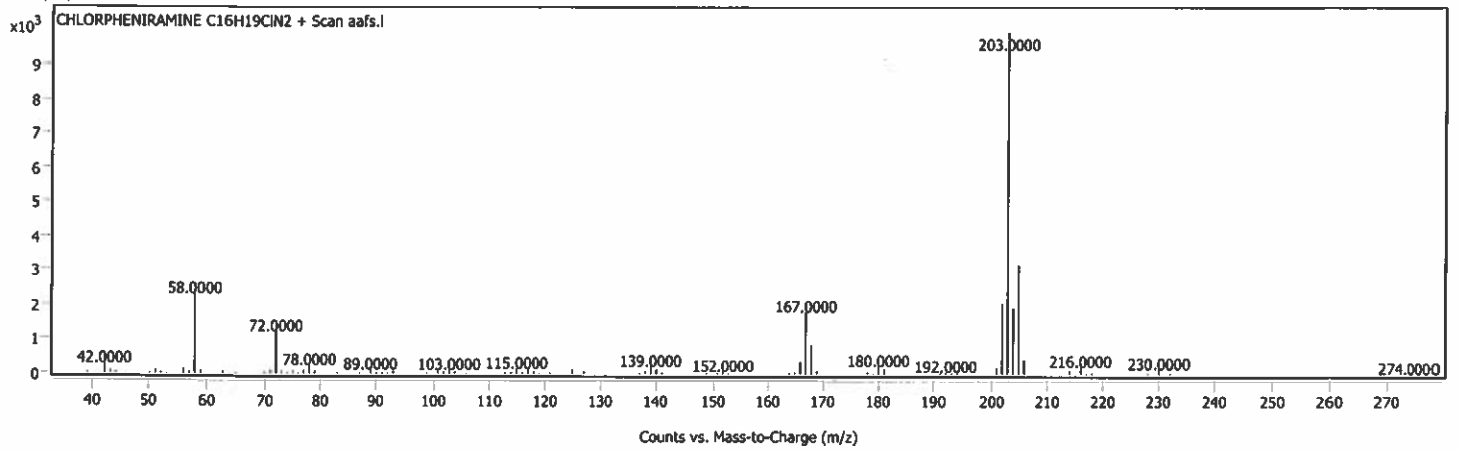
Observed Spectrum



Mirror Plot



Library Spectrum



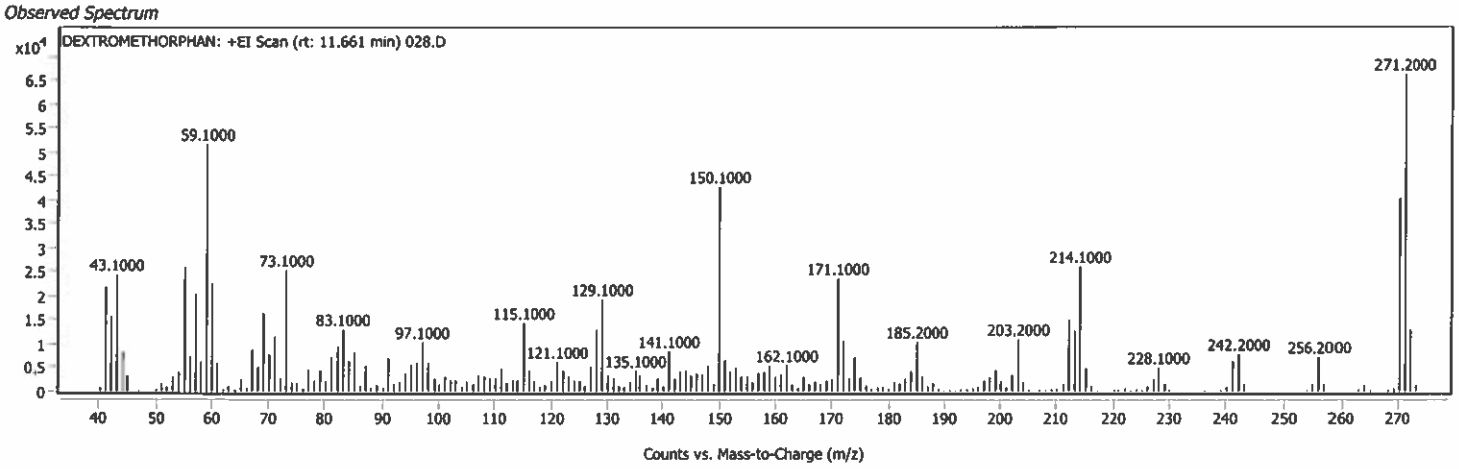
Analysis Report

Agilent

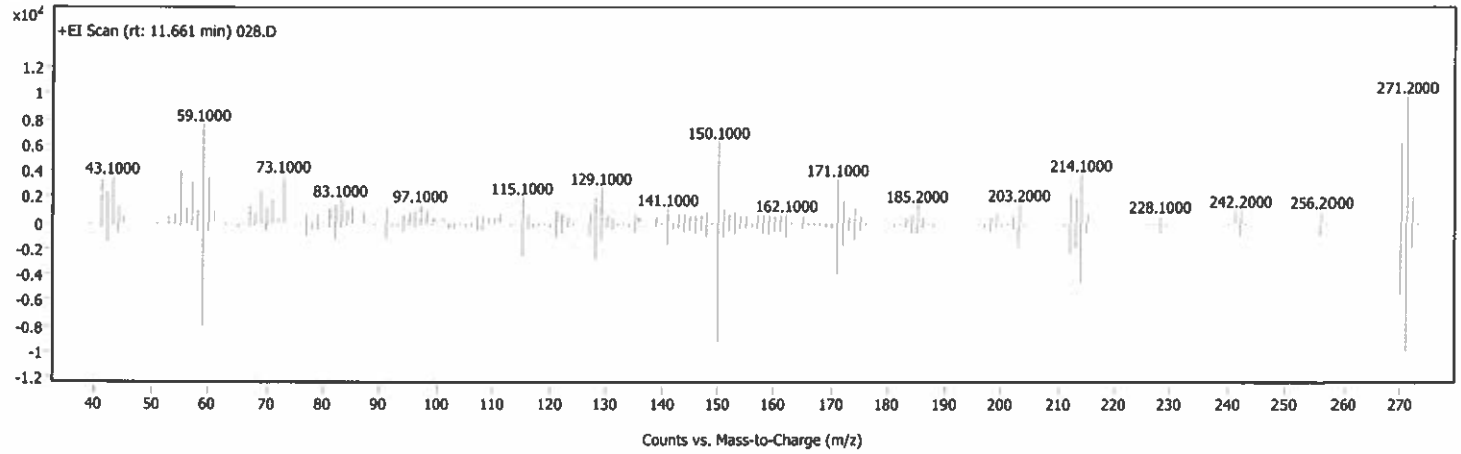
+ Scan (rt: 11.661 min) **DEXTROMETHORPHAN; C18H25NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
DEXTROMETHORPHAN	C18H25NO	80.14	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

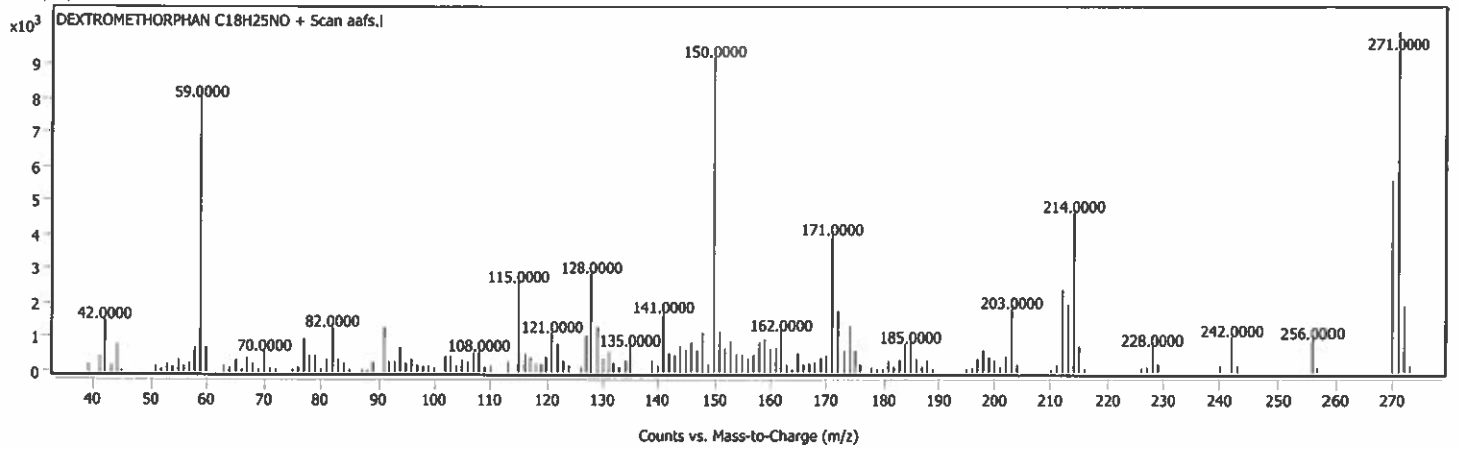
Observed Spectrum



Mirror Plot



Library Spectrum



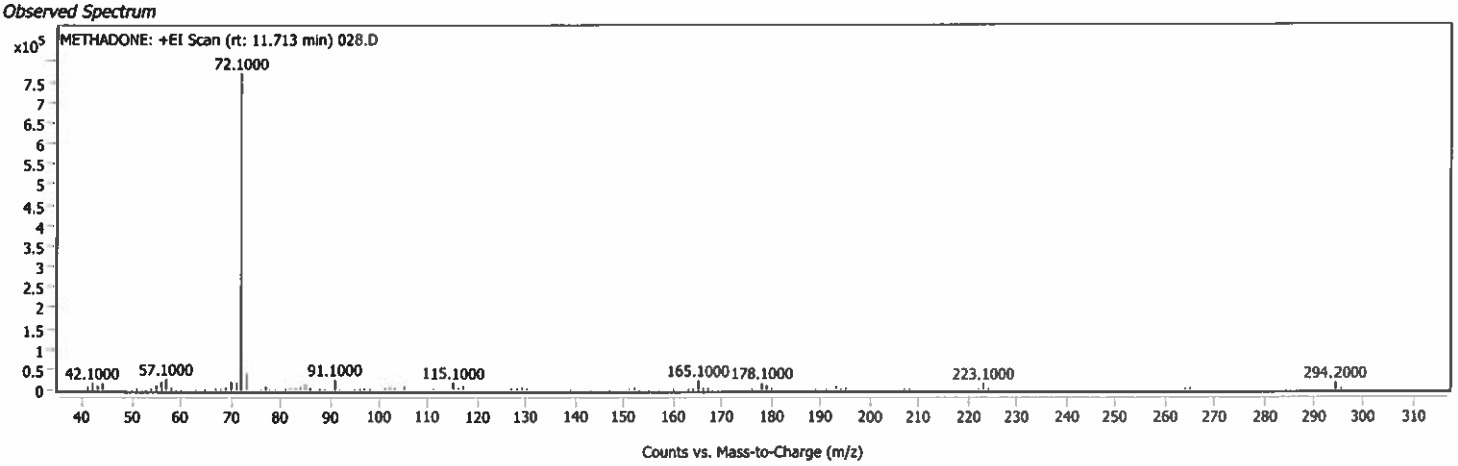
Analysis Report

Agilent

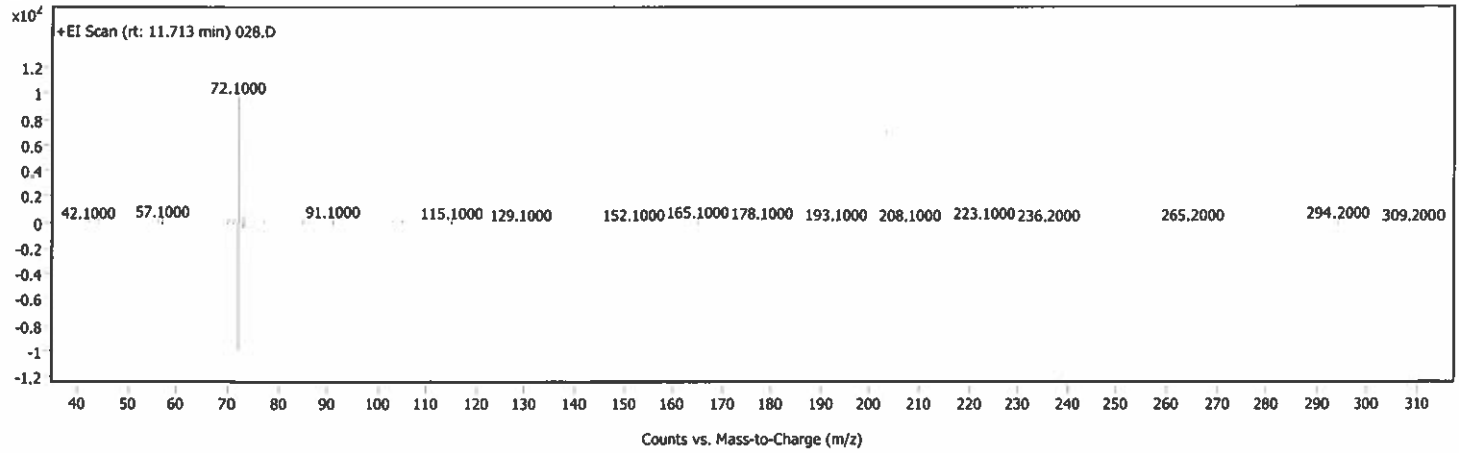
+ Scan (rt: 11.713 min) **METHADONE; C21H27NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
METHADONE	C21H27NO	93.19	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

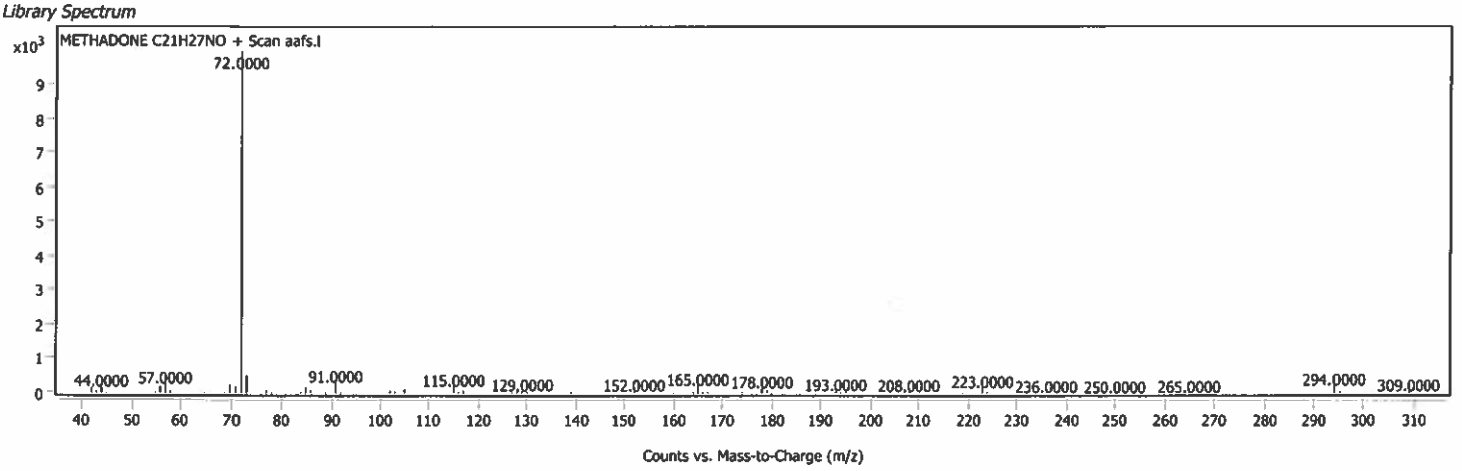
Observed Spectrum



Mirror Plot



Library Spectrum



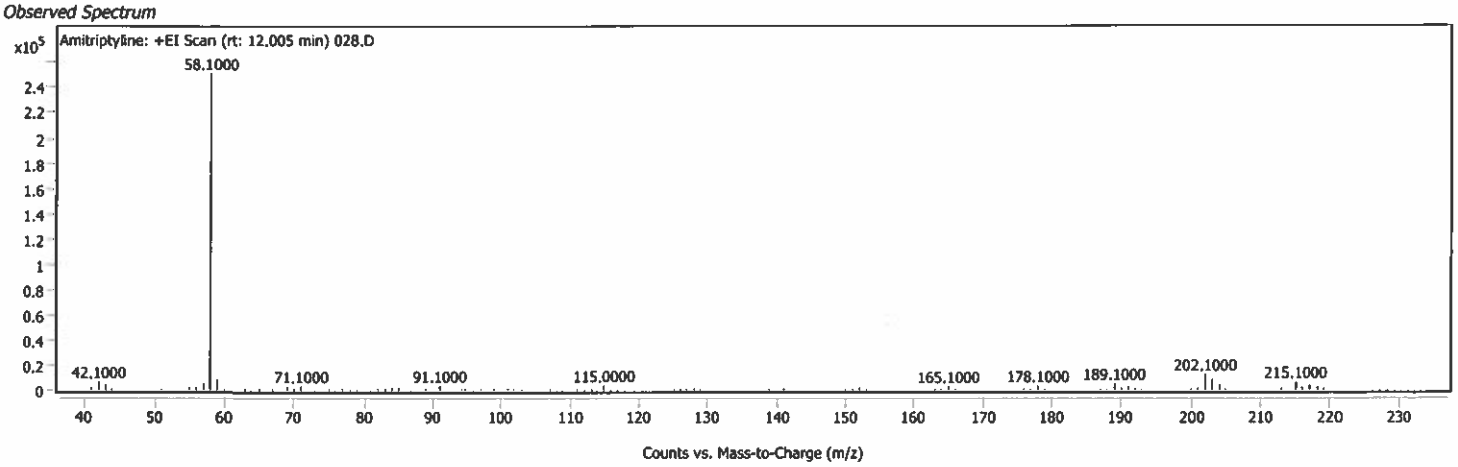
Analysis Report

Agilent

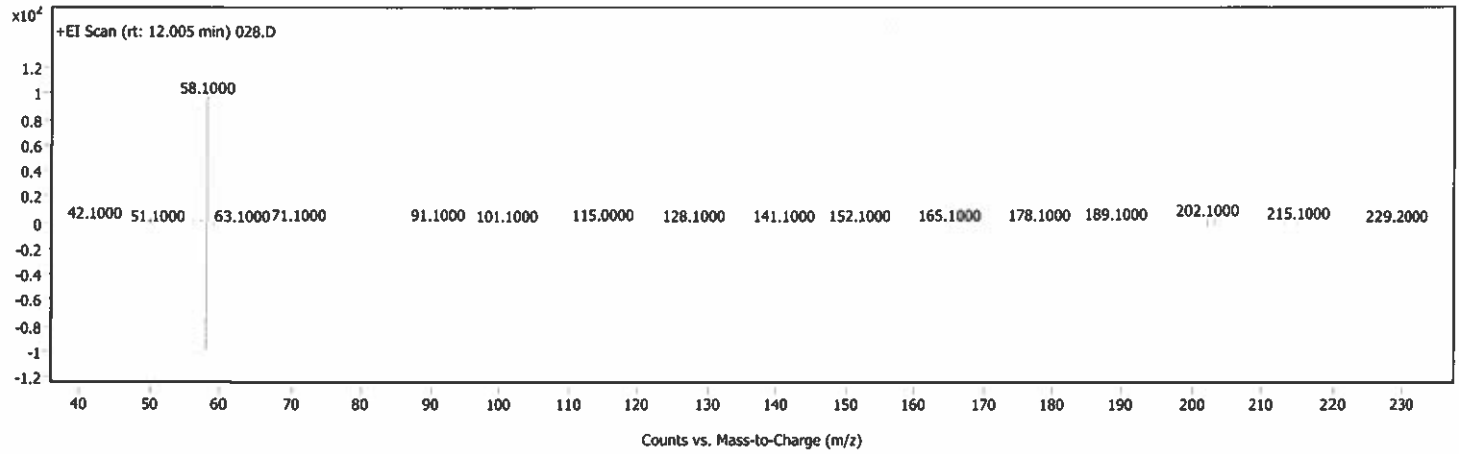
+ Scan (rt: 12.005 min) **Amitriptyline; C20H23N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Amitriptyline	C20H23N	93.23	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

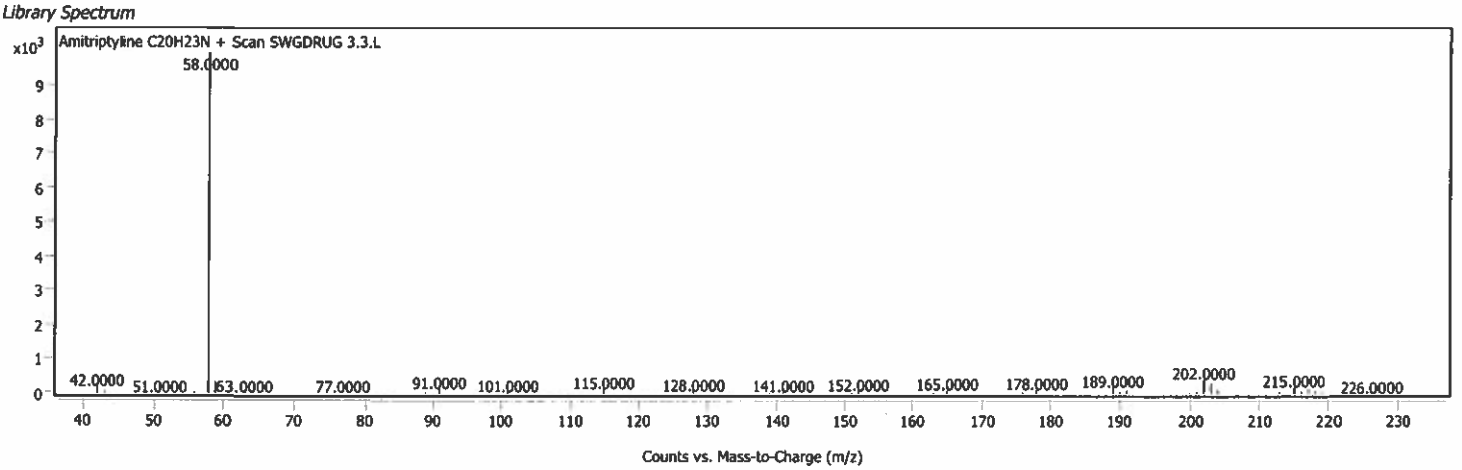
Observed Spectrum



Mirror Plot



Library Spectrum



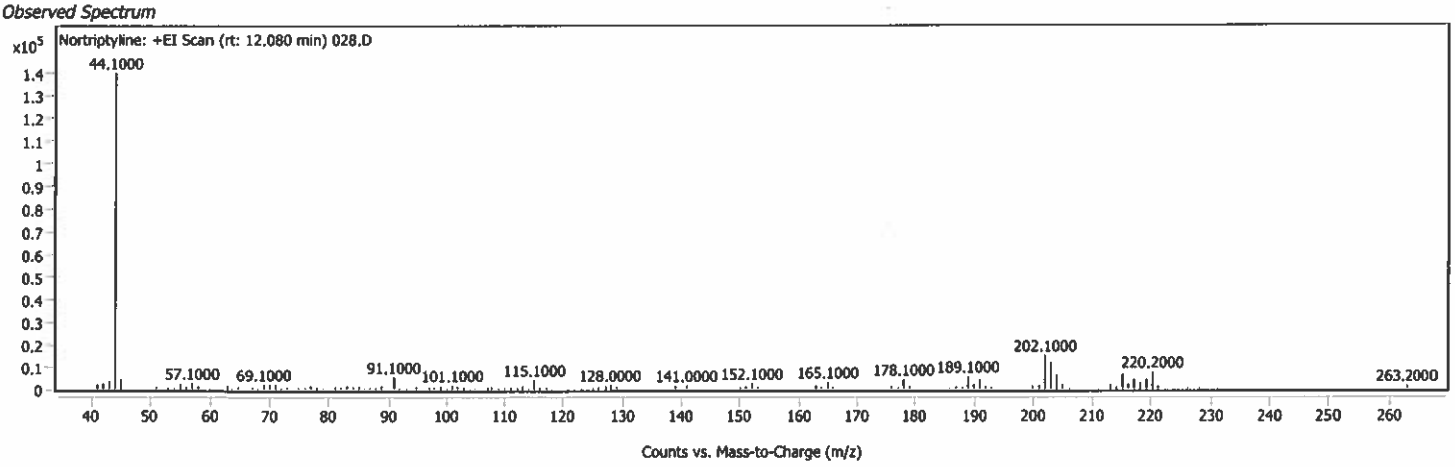
Analysis Report

Agilent

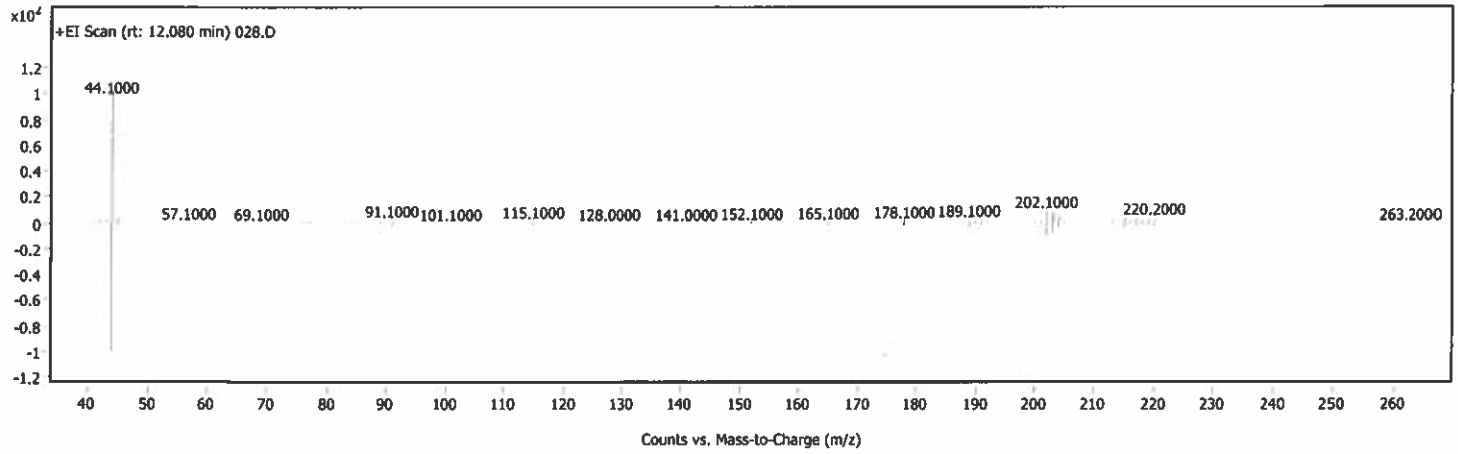
+ Scan (rt: 12.080 min) **Nortriptyline; C19H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Nortriptyline	C19H21N	92.78	SWGDRUG 3.3.L	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

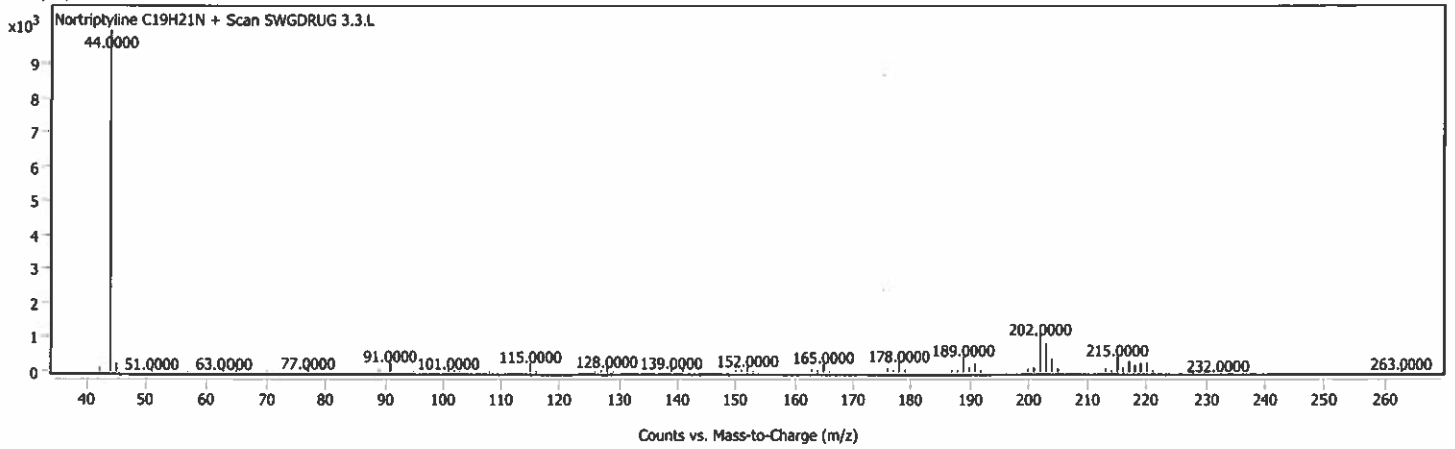
Observed Spectrum



Mirror Plot



Library Spectrum



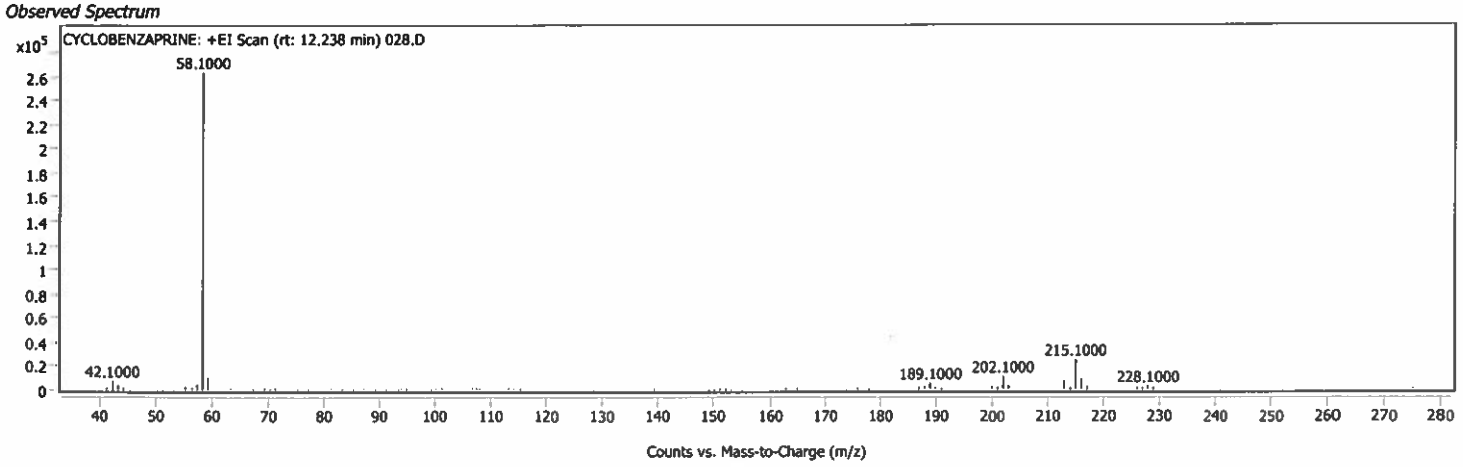
Analysis Report

Agilent

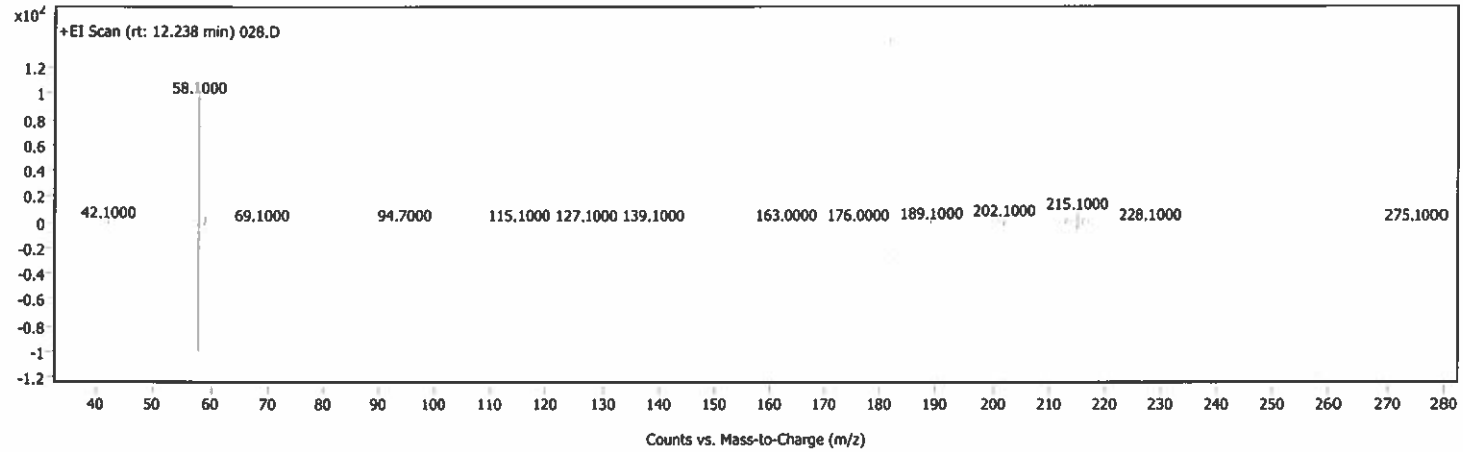
+ Scan (rt: 12.238 min) **CYCLOBENZAPRINE; C20H21N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CYCLOBENZAPRINE	C20H21N	92.84	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

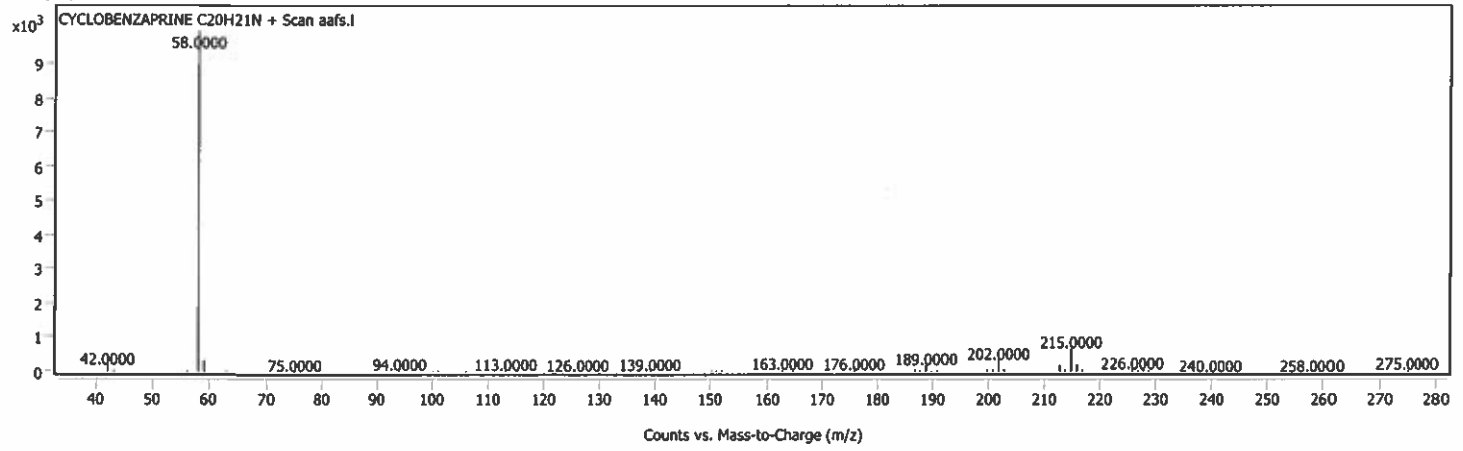
Observed Spectrum



Mirror Plot



Library Spectrum



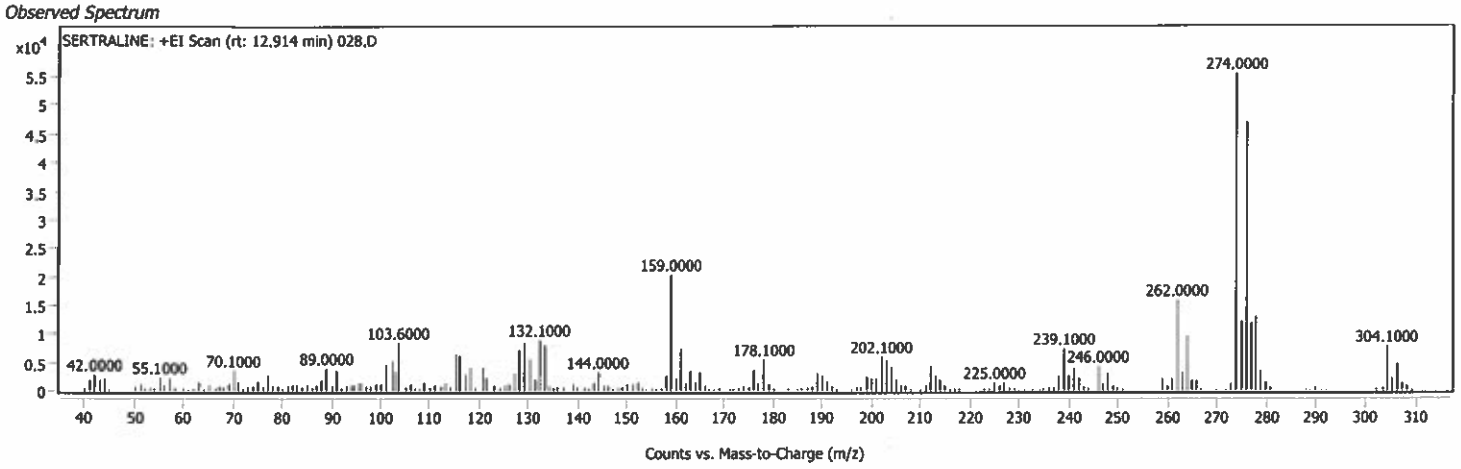
Analysis Report

Agilent

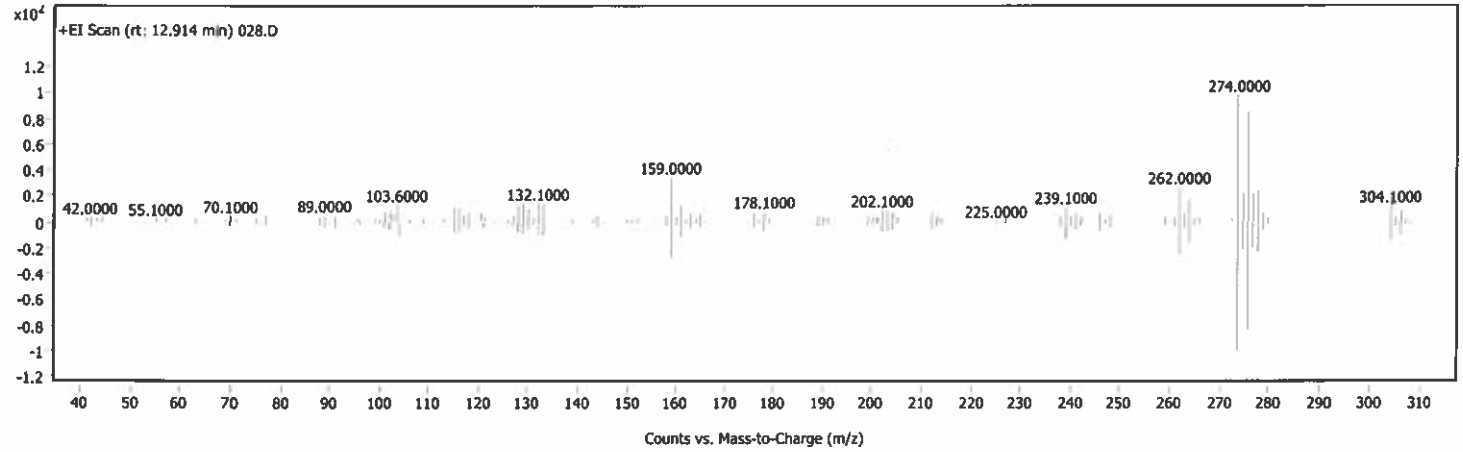
+ Scan (rt: 12.914 min) **SERTRALINE; C17H17Cl2N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
SERTRALINE	C17H17Cl2N	90.79	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

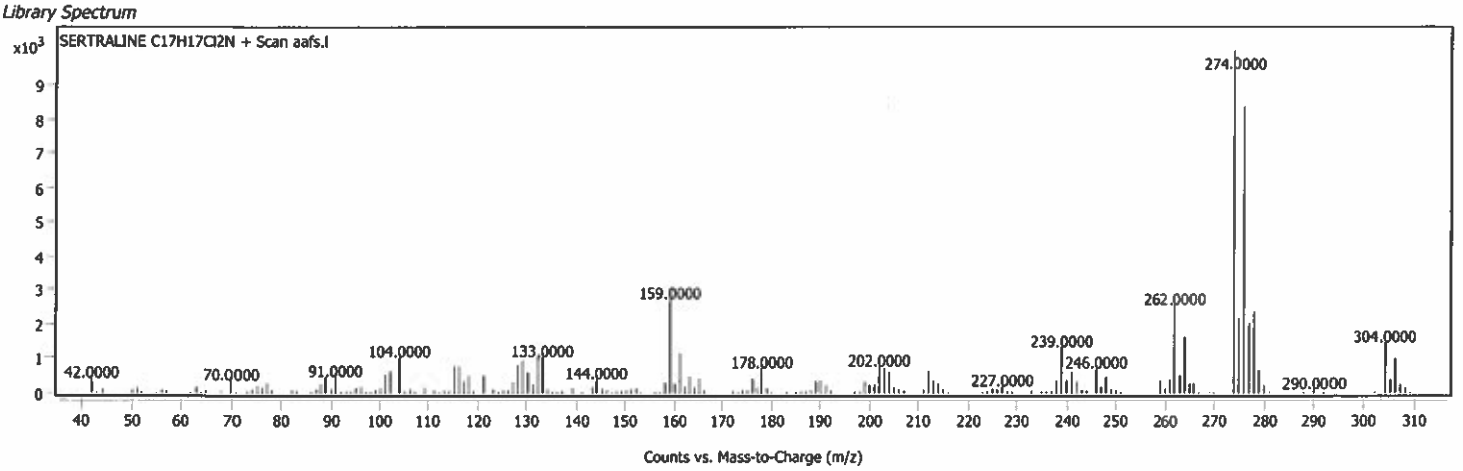
Observed Spectrum



Mirror Plot



Library Spectrum



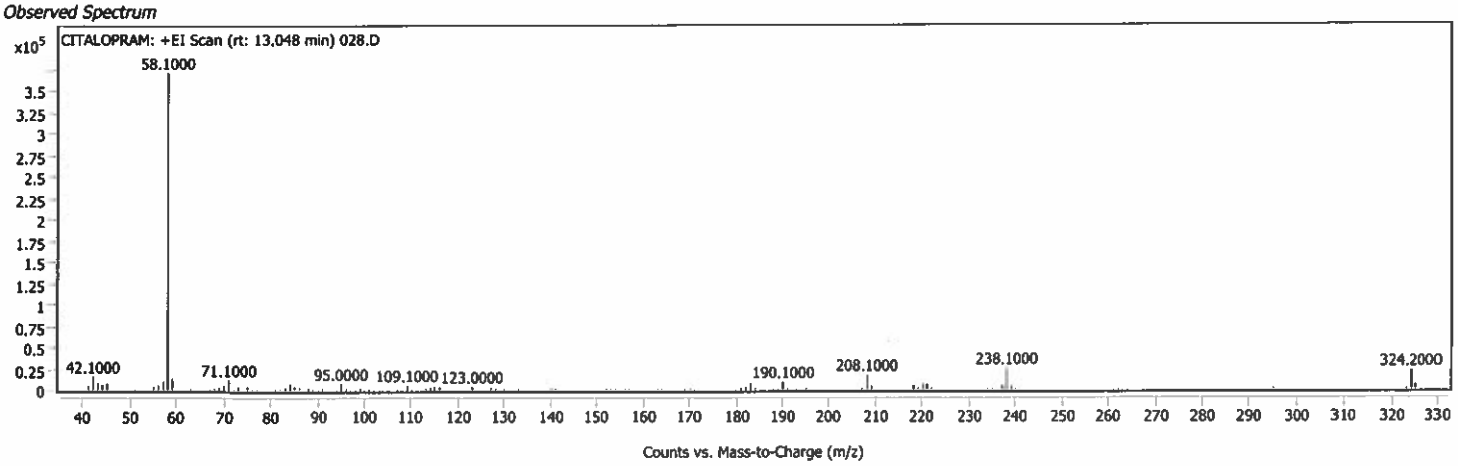
Analysis Report

Agilent

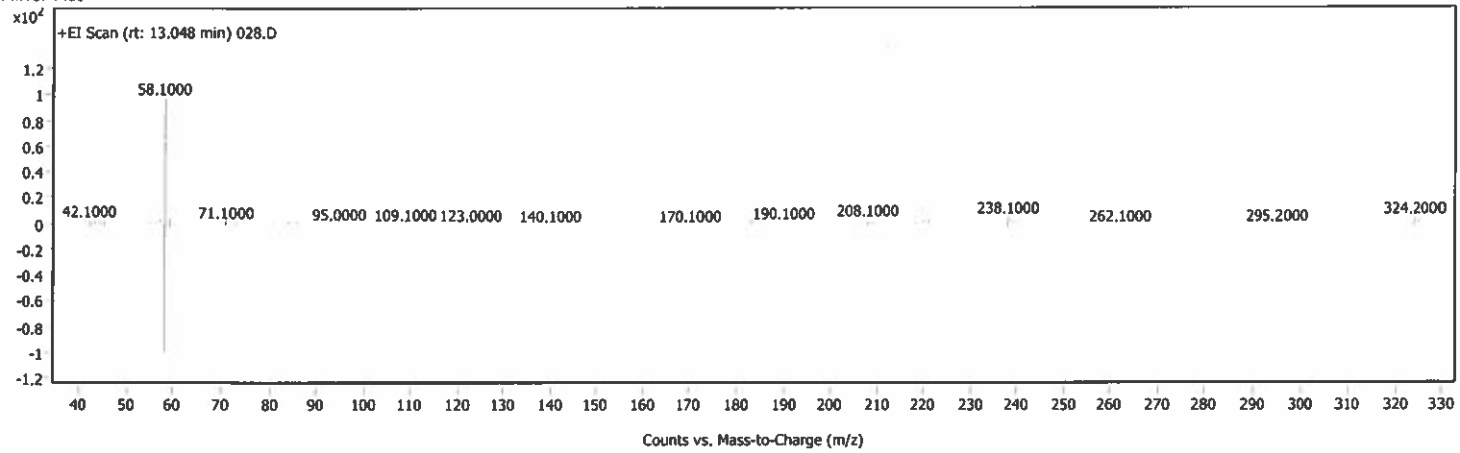
+ Scan (rt: 13.048 min) **CITALOPRAM; C20H21FN2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CITALOPRAM	C20H21FN2O	93.81	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

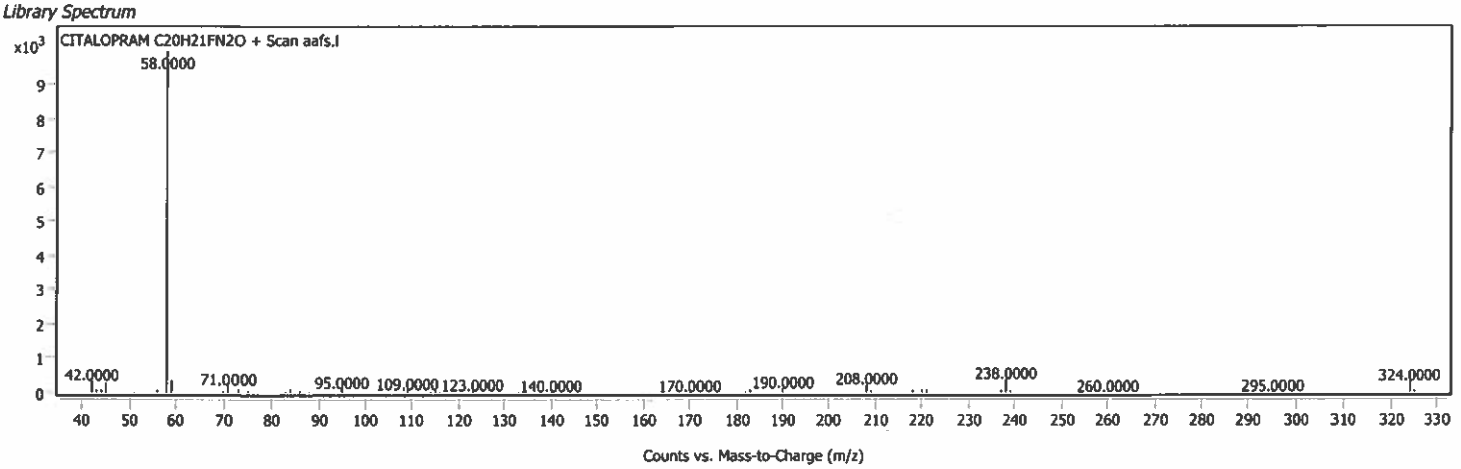
Observed Spectrum



Mirror Plot



Library Spectrum



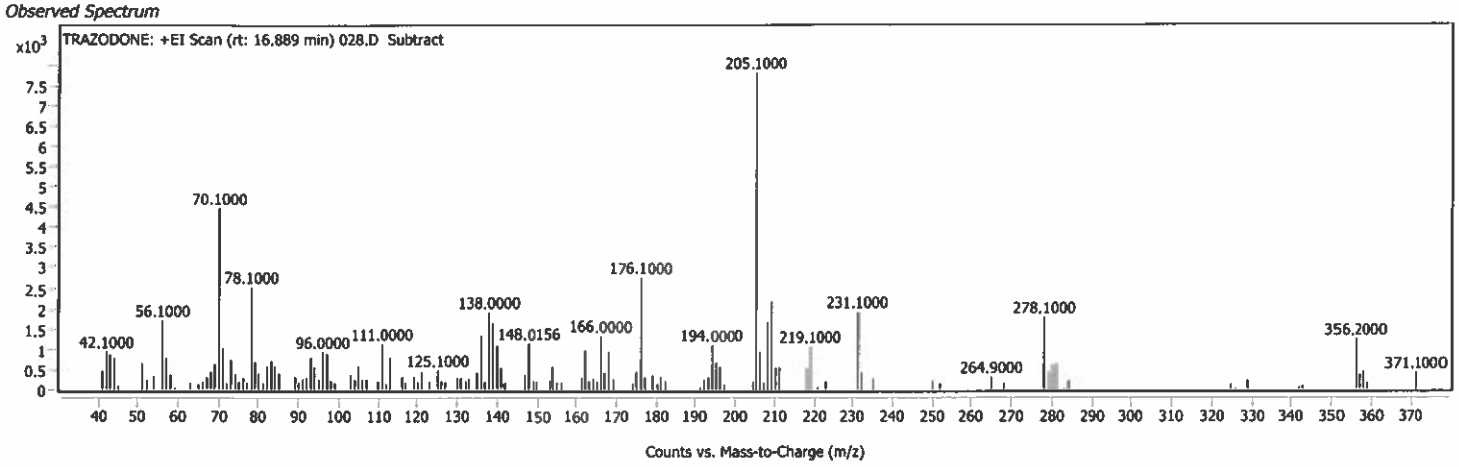
Analysis Report

Agilent

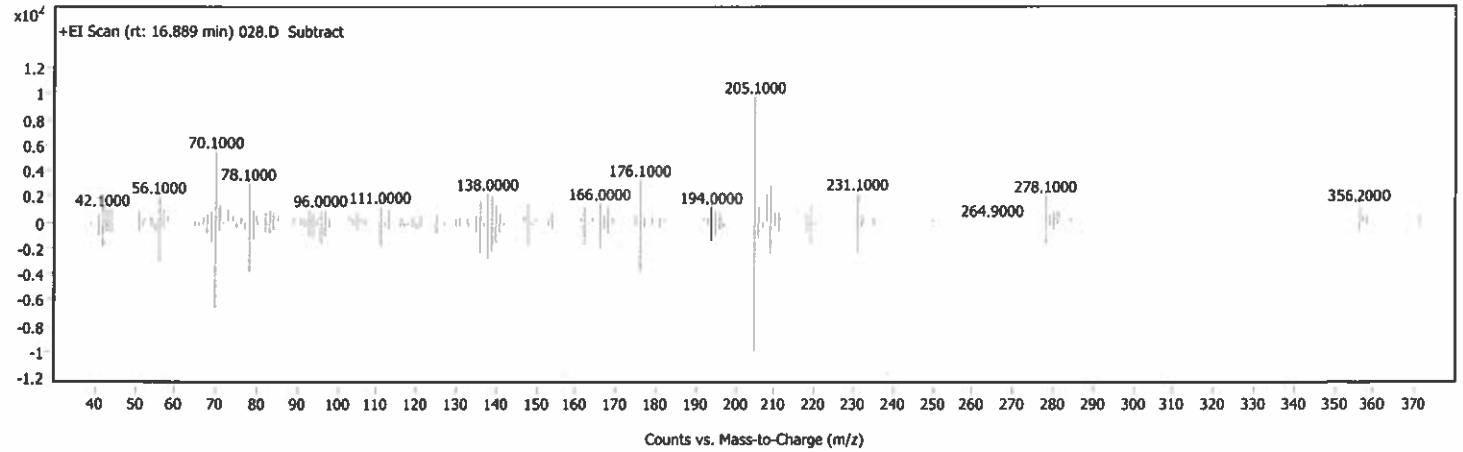
+ Scan (rt: 16.889 min) Sub **TRAZODONE**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
TRAZODONE		85.39	aafs.l	MATRIX 10 W/ 0.01 mg/L CAL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

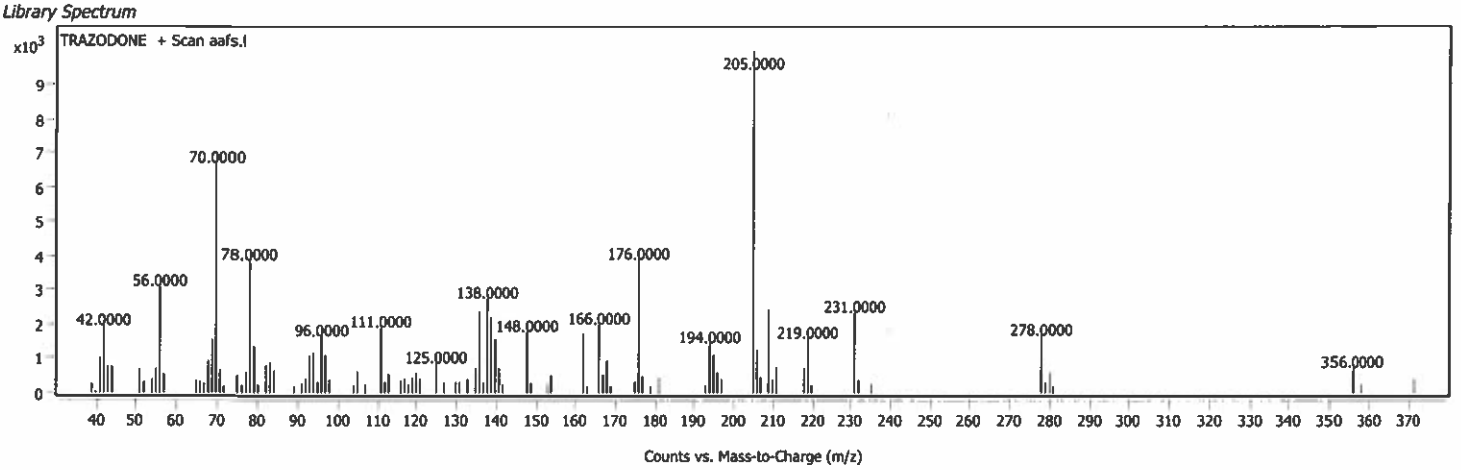
Observed Spectrum



Mirror Plot



Library Spectrum



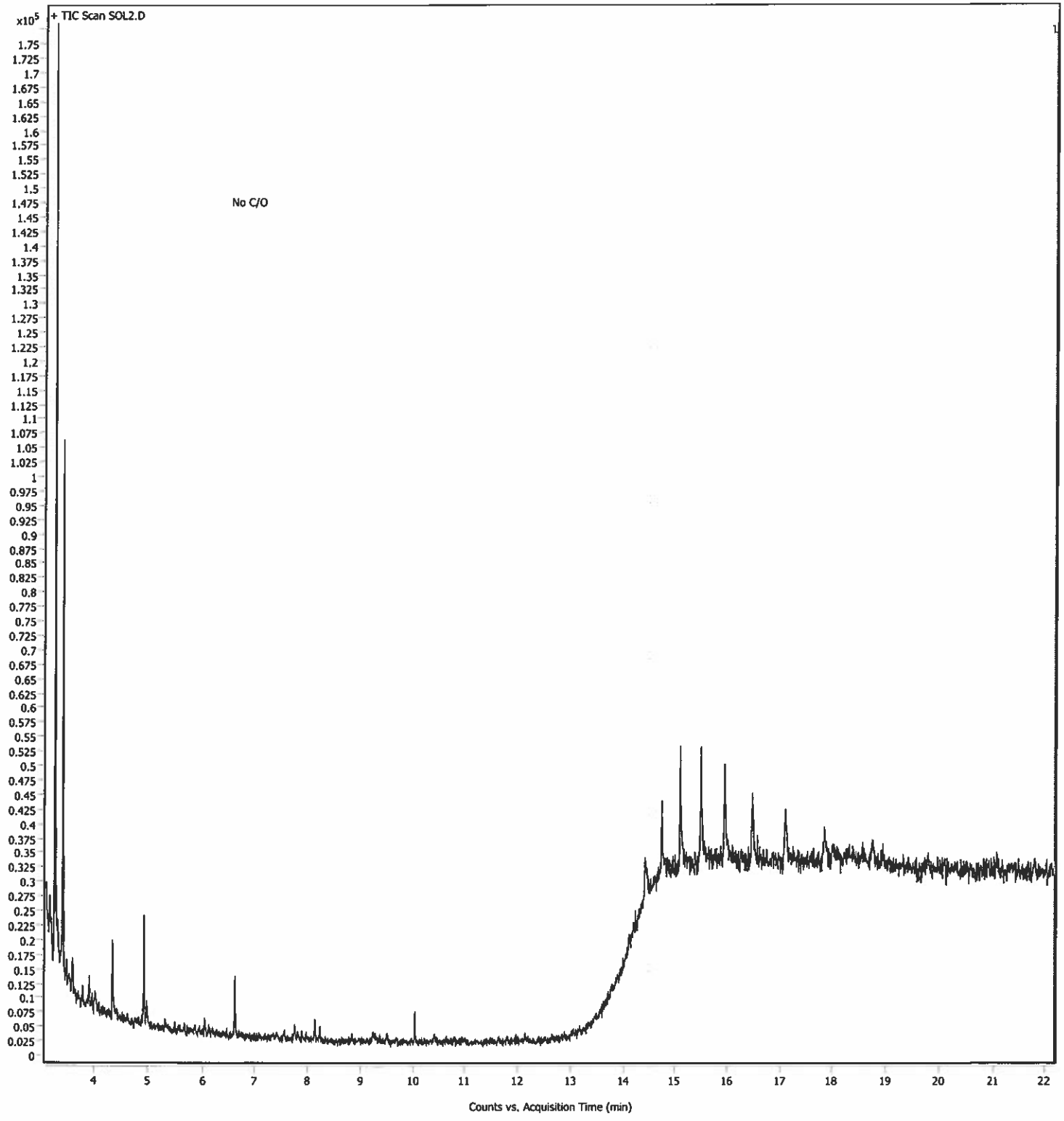
Analysis Report

Agilent

Sample Information

Sample Name	Solvent Blank 2	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\SOL2.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 2:35:40 AM (UTC-04:00)
Position	57	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



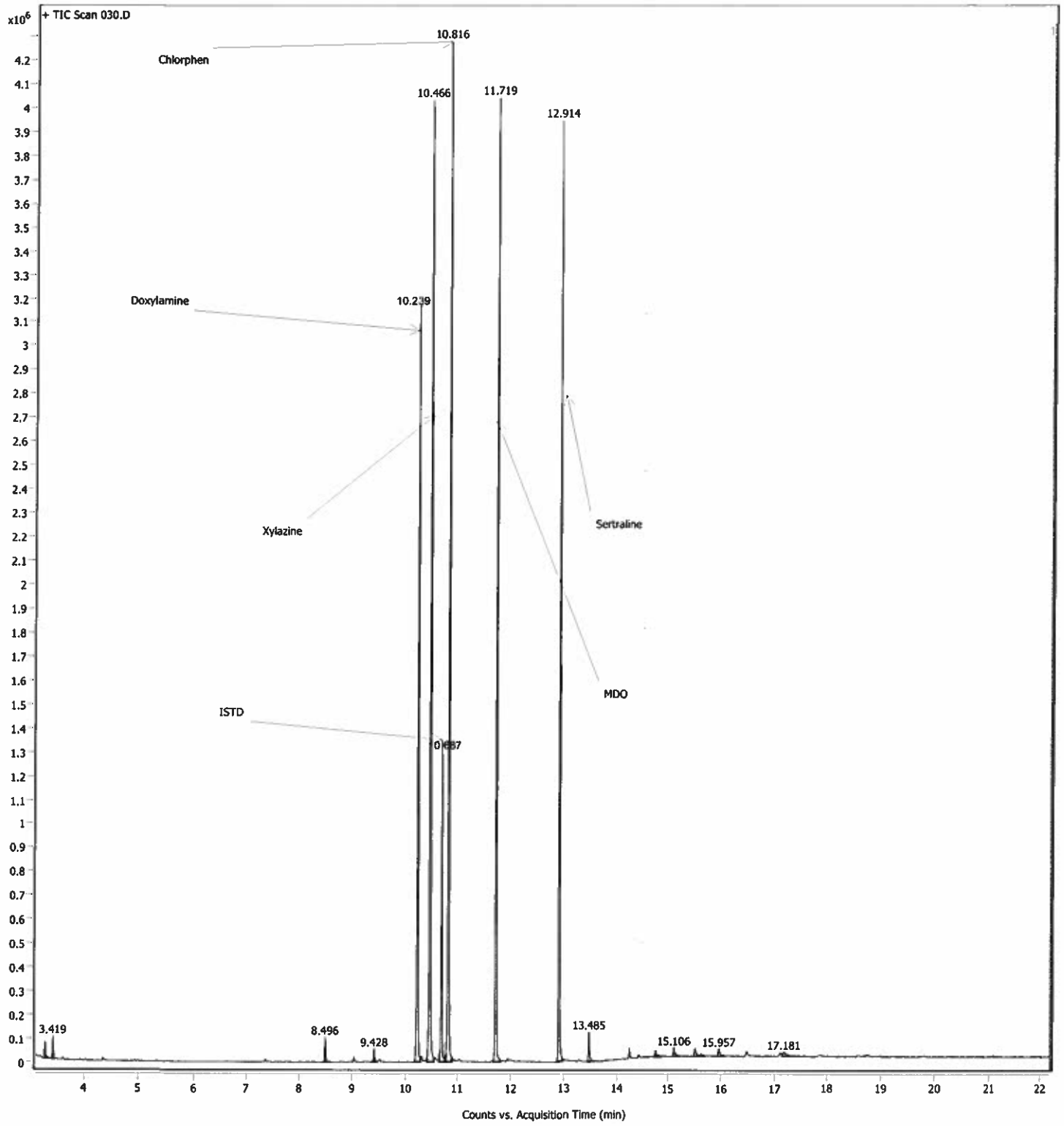
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2 W/ IH CTL + XYLAZINE - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\030.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 3:27:19 AM (UTC-04:00)
Position	59	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

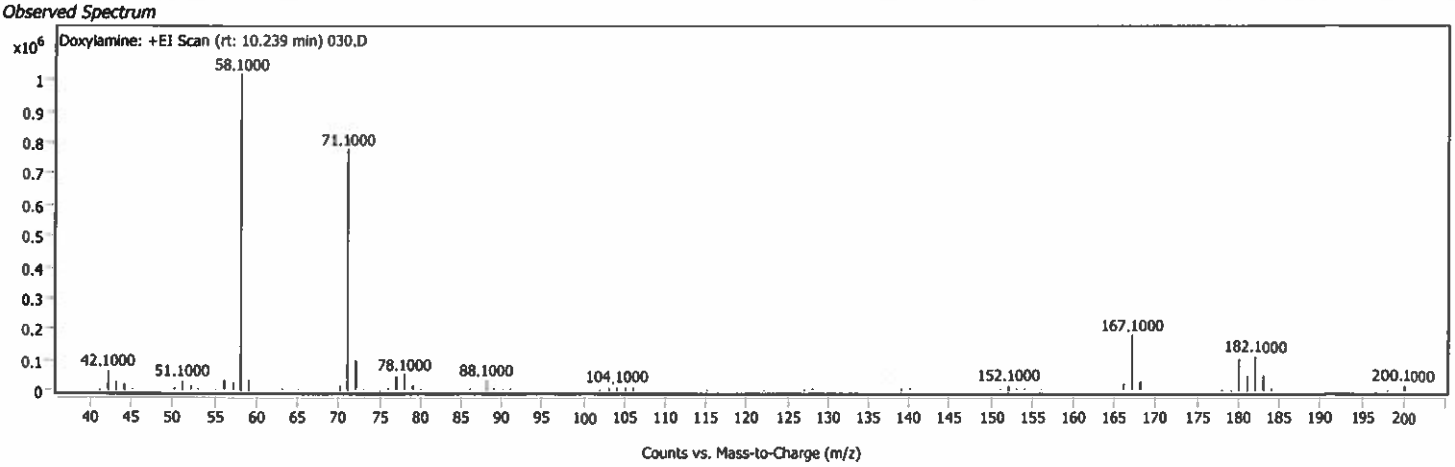
Agilent

Sample Spectra

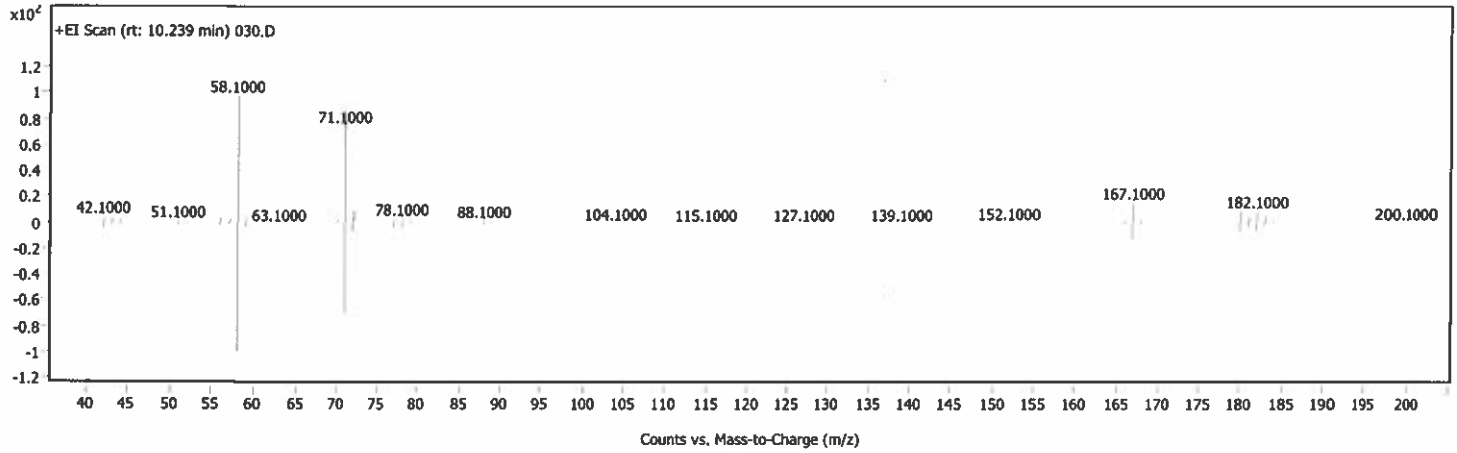
+ Scan (rt: 10.239 min) **Doxylamine; C17H22N2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Doxylamine	C17H22N2O	98.97	SWGDRUG 3.3.L	MATRIX 2 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

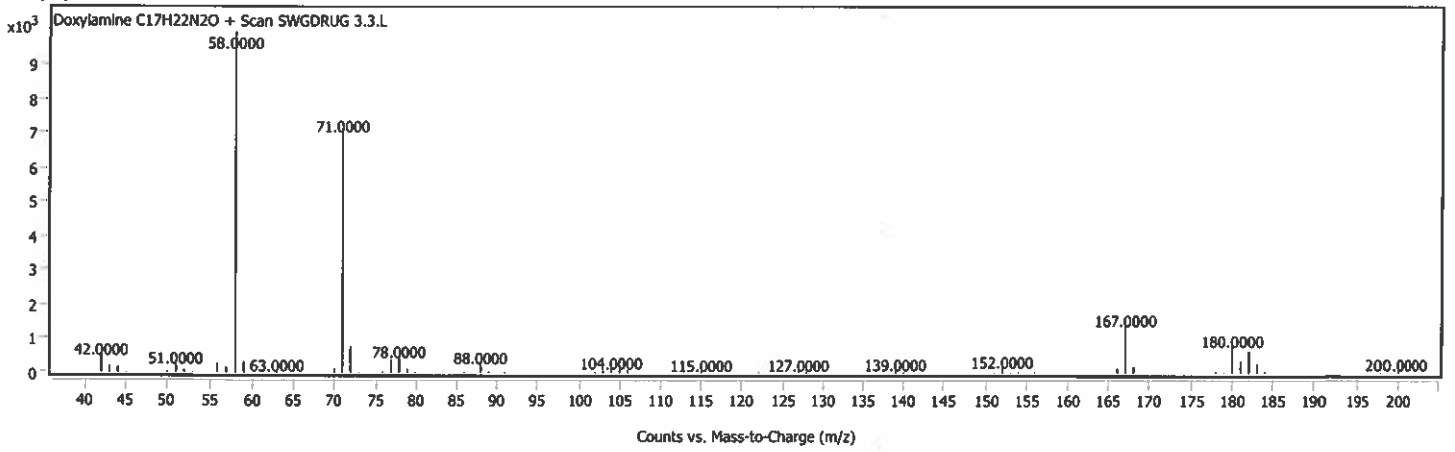
Observed Spectrum



Mirror Plot



Library Spectrum



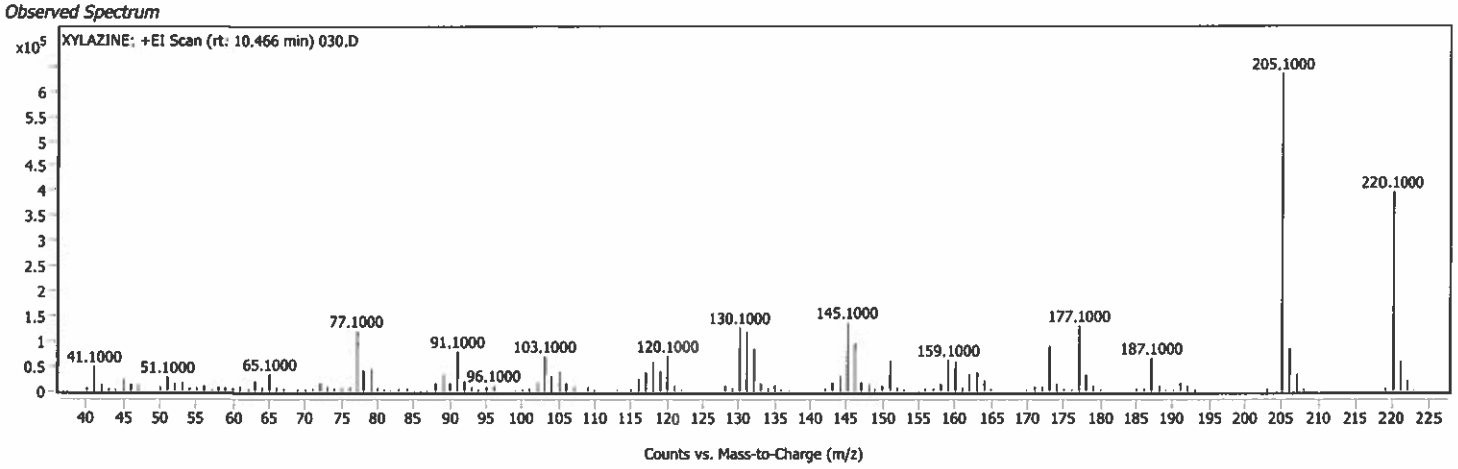
Analysis Report

Agilent

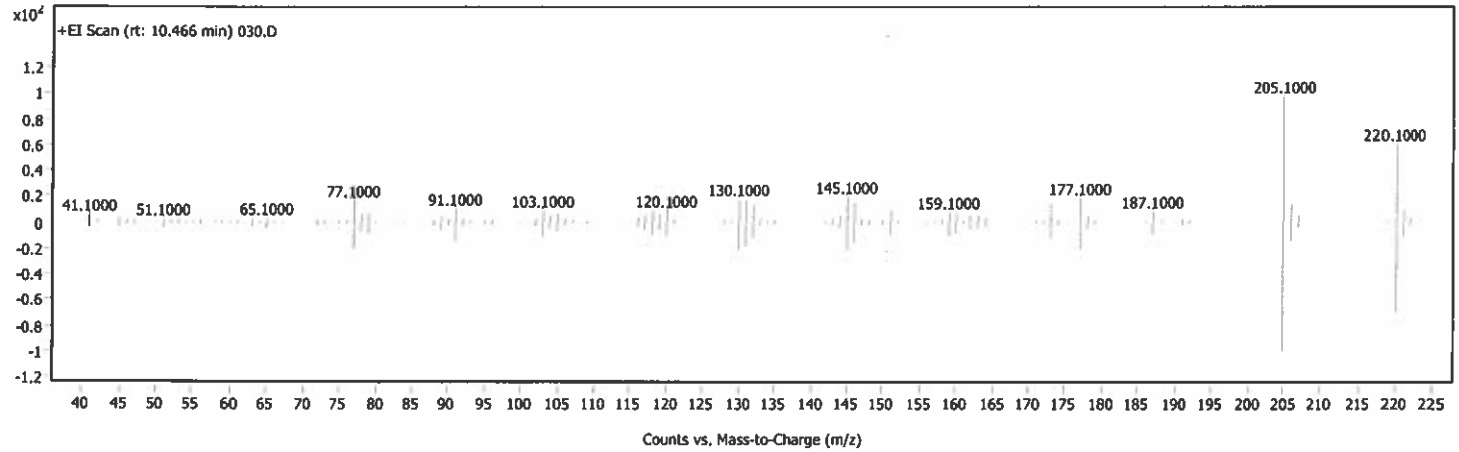
+ Scan (rt: 10.466 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.66	aafs.l	MATRIX 2 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

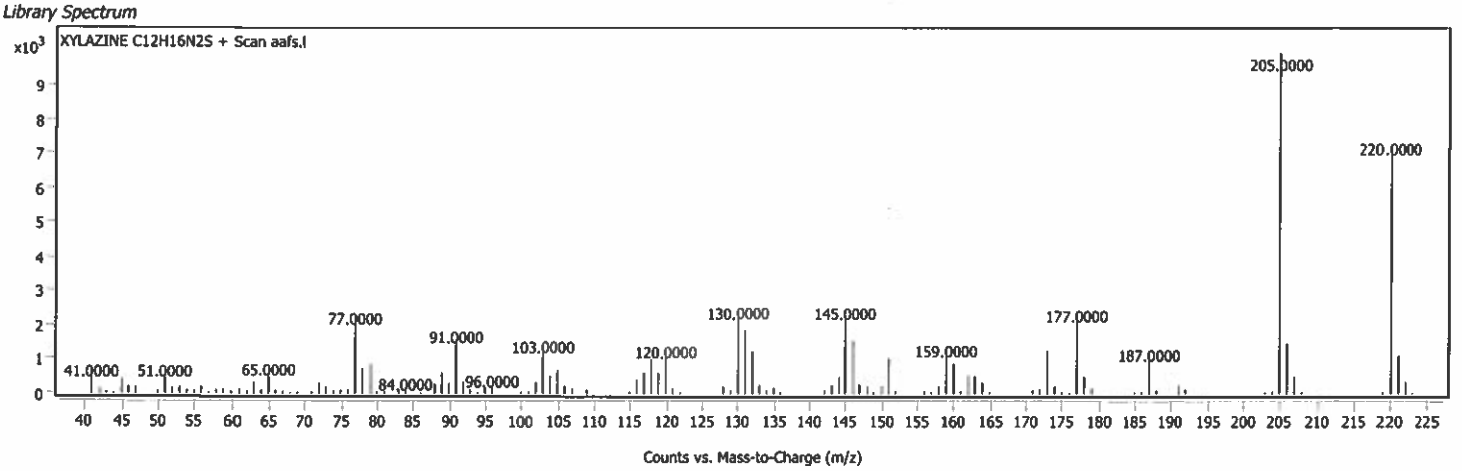
Observed Spectrum



Mirror Plot



Library Spectrum



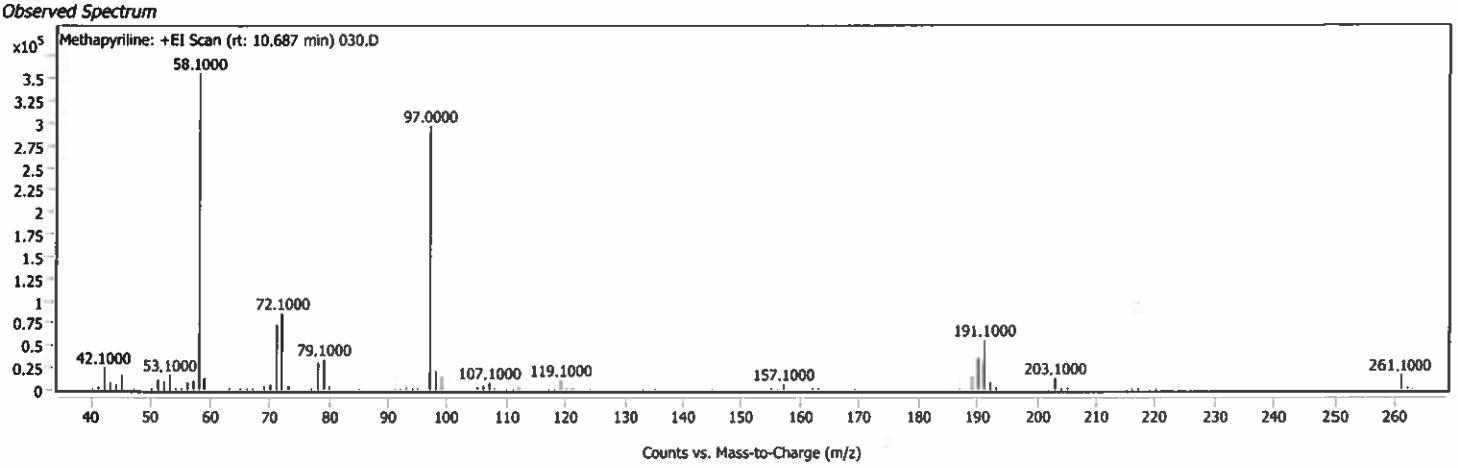
Analysis Report

Agilent

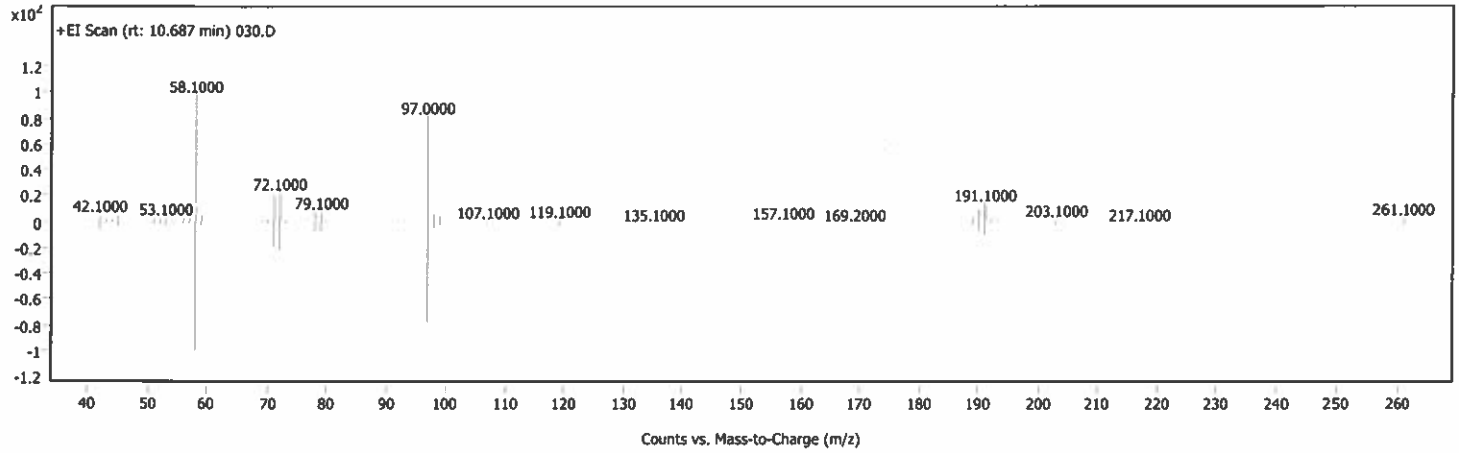
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.39	SWGDRUG 3.3.L	MATRIX 2 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

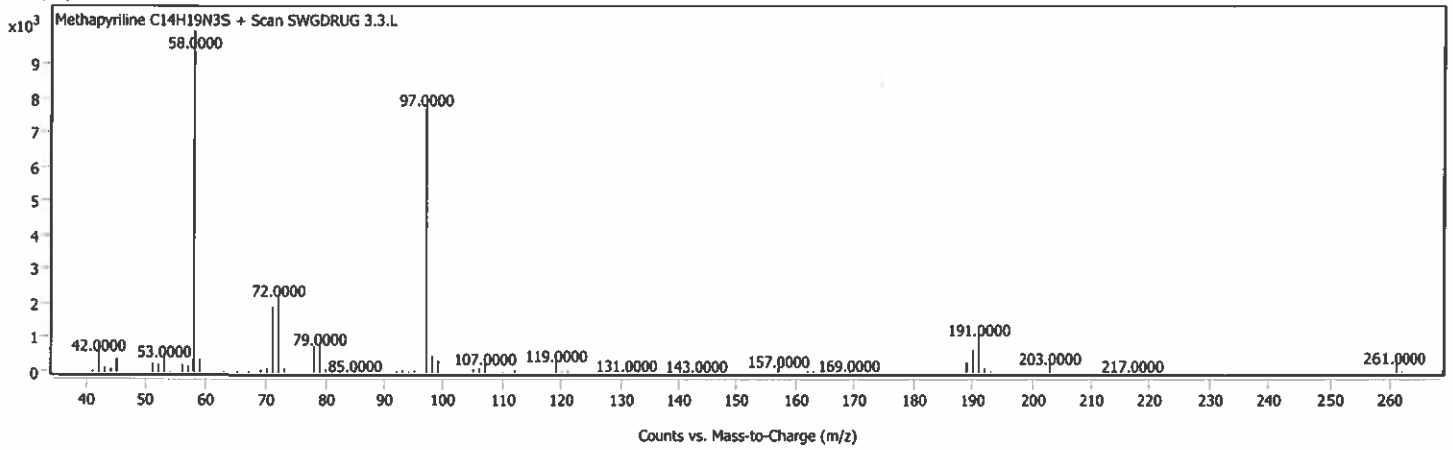
Observed Spectrum



Mirror Plot



Library Spectrum



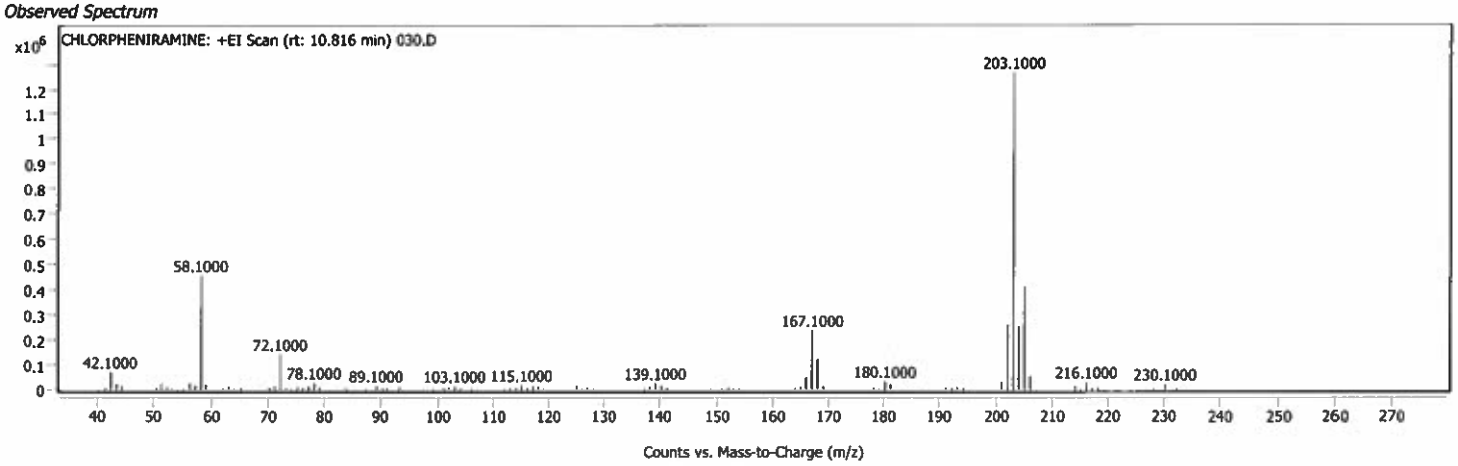
Analysis Report

Agilent

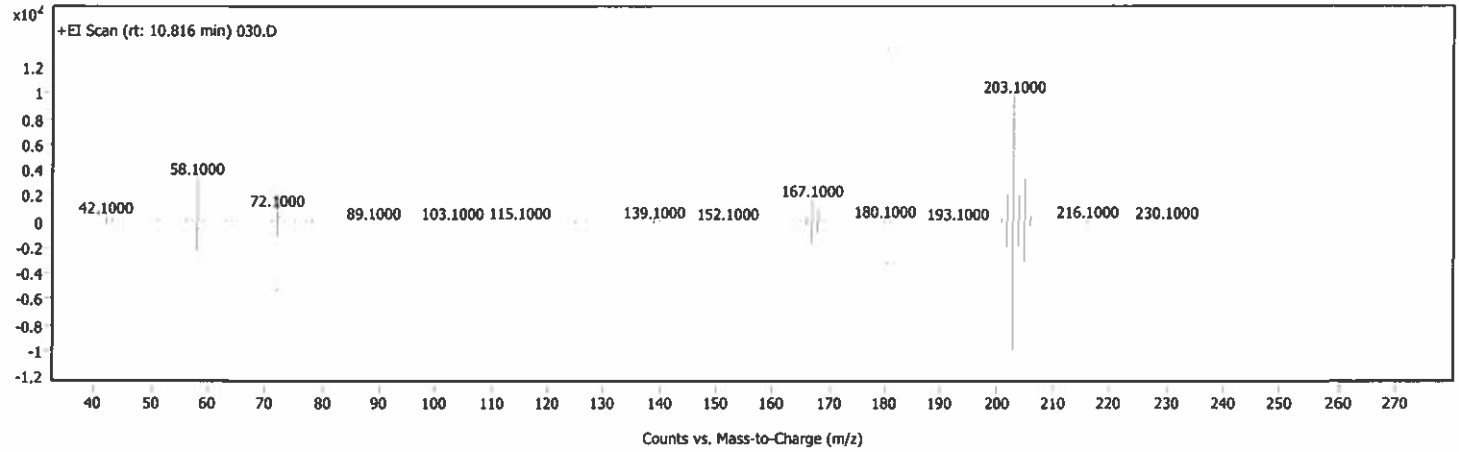
+ Scan (rt: 10.816 min) **CHLORPHENIRAMINE; C16H19ClN2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CHLORPHENIRAMINE	C16H19ClN2	99.04	aafs.l	MATRIX 2 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

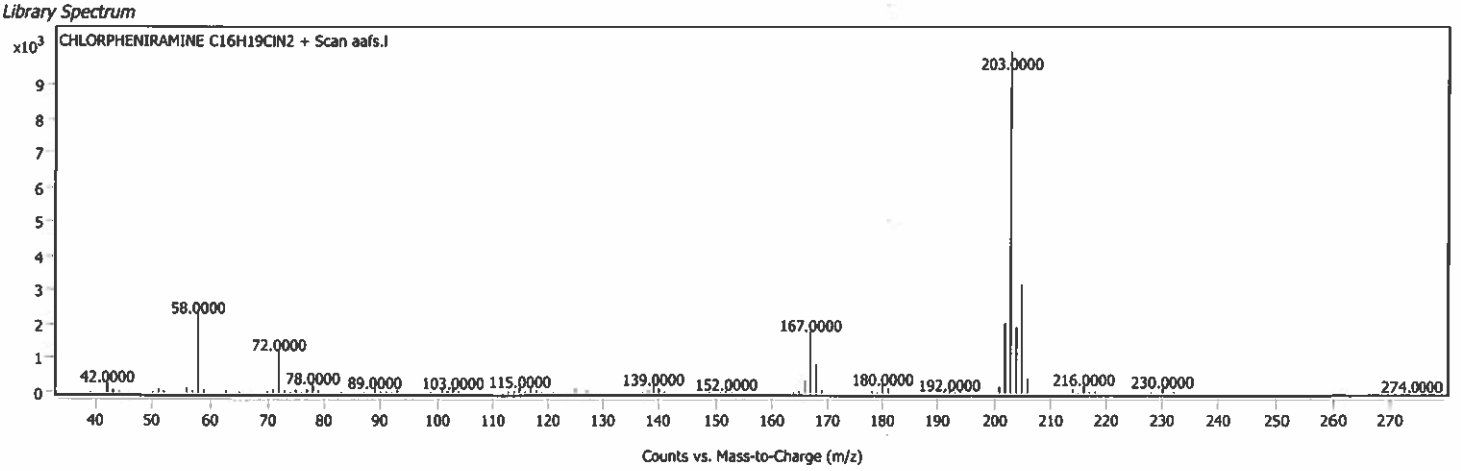
Observed Spectrum



Mirror Plot



Library Spectrum



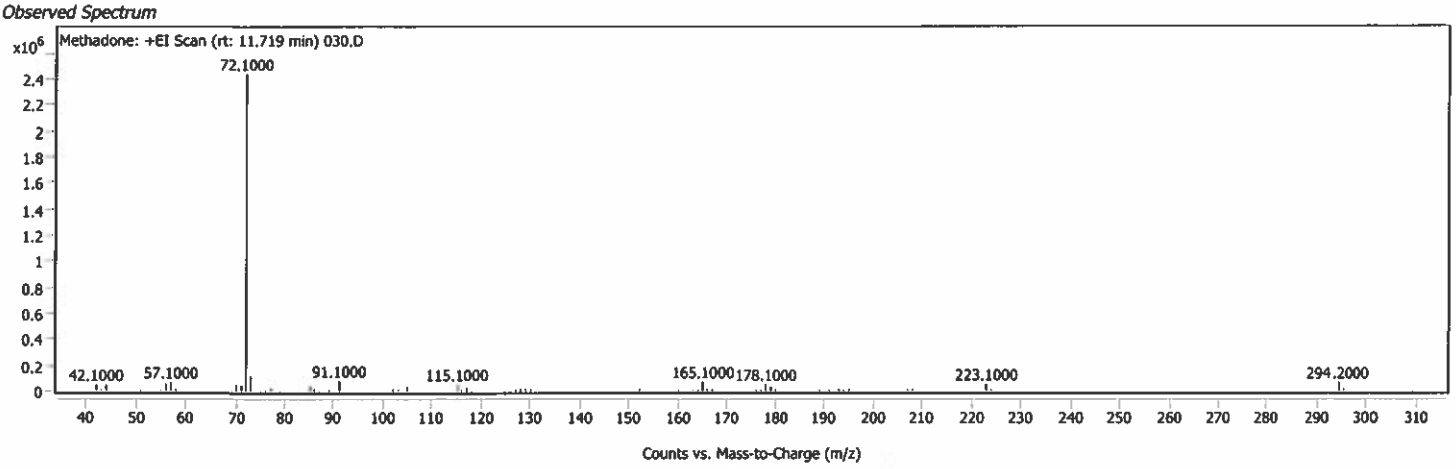
Analysis Report

Agilent

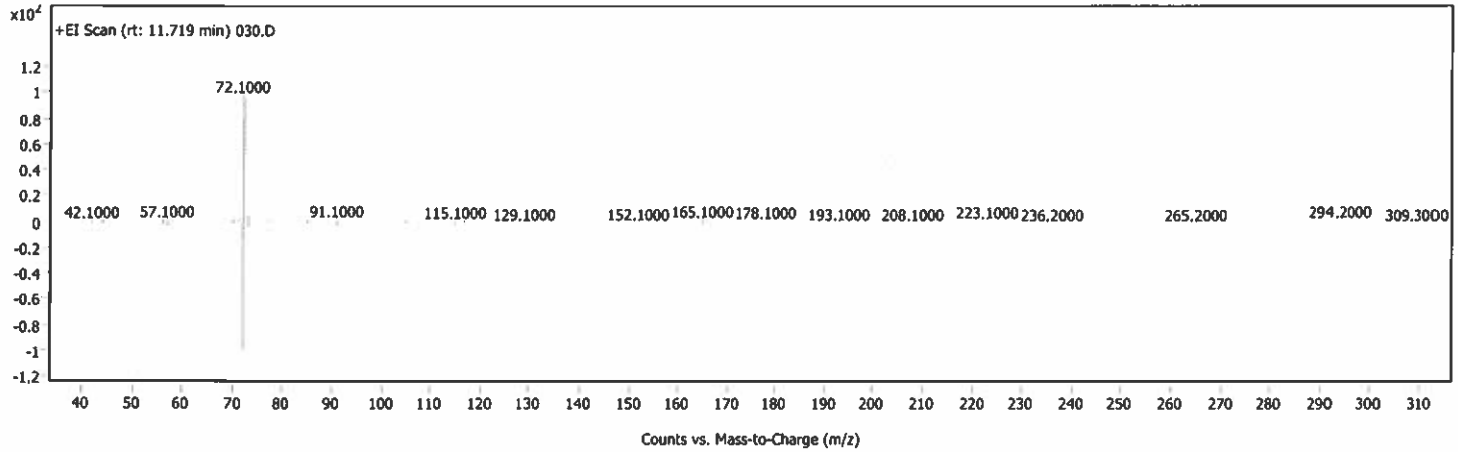
+ Scan (rt: 11.719 min) **Methadone; C21H27NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methadone	C21H27NO	97.17	SWGDRUG 3.3.L	MATRIX 2 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

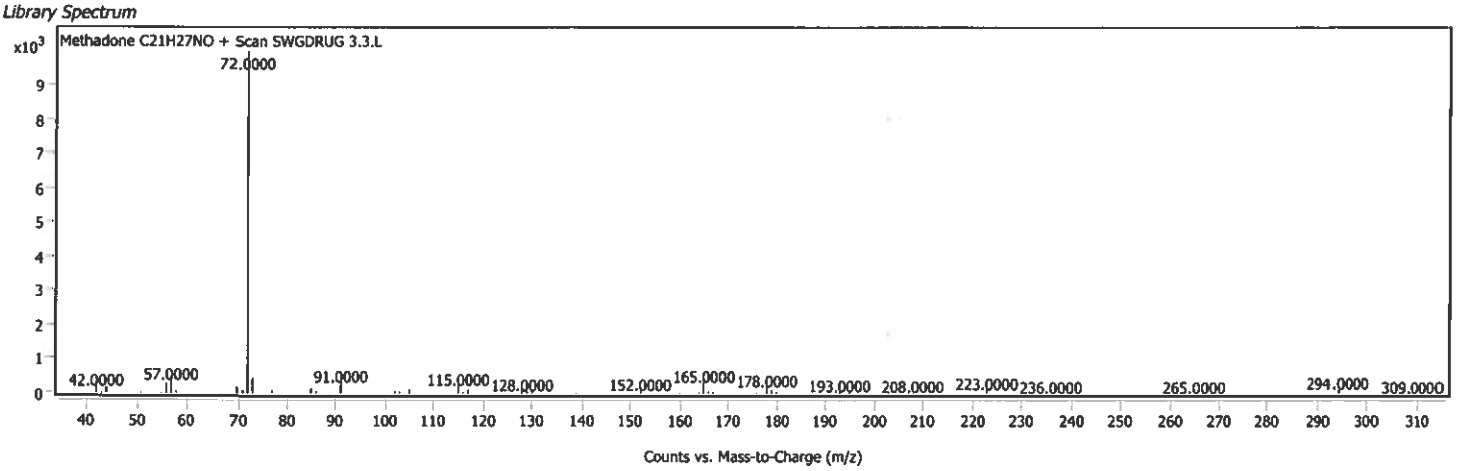
Observed Spectrum



Mirror Plot



Library Spectrum



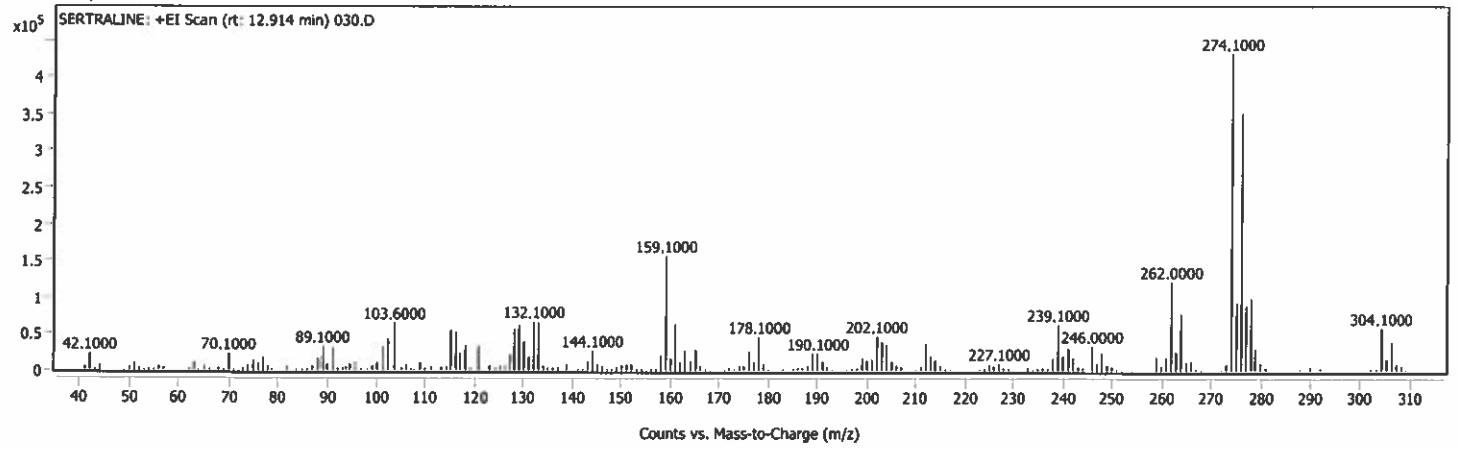
Analysis Report

Agilent

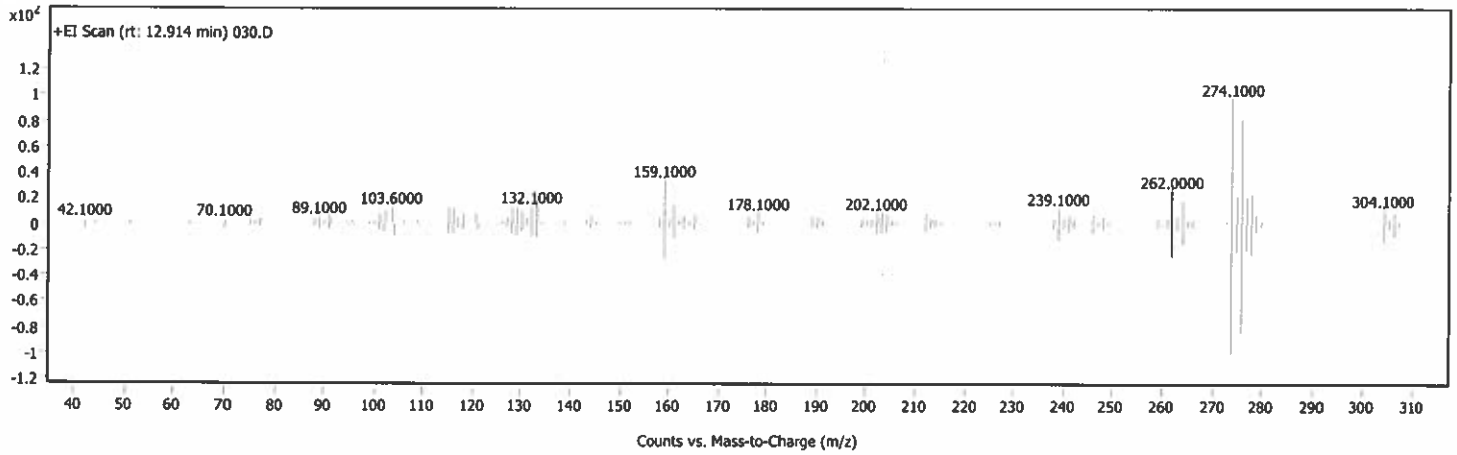
+ Scan (rt: 12.914 min) **SERTRALINE; C17H17Cl2N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
SERTRALINE	C17H17Cl2N	92.32	aafs.l	MATRIX 2 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

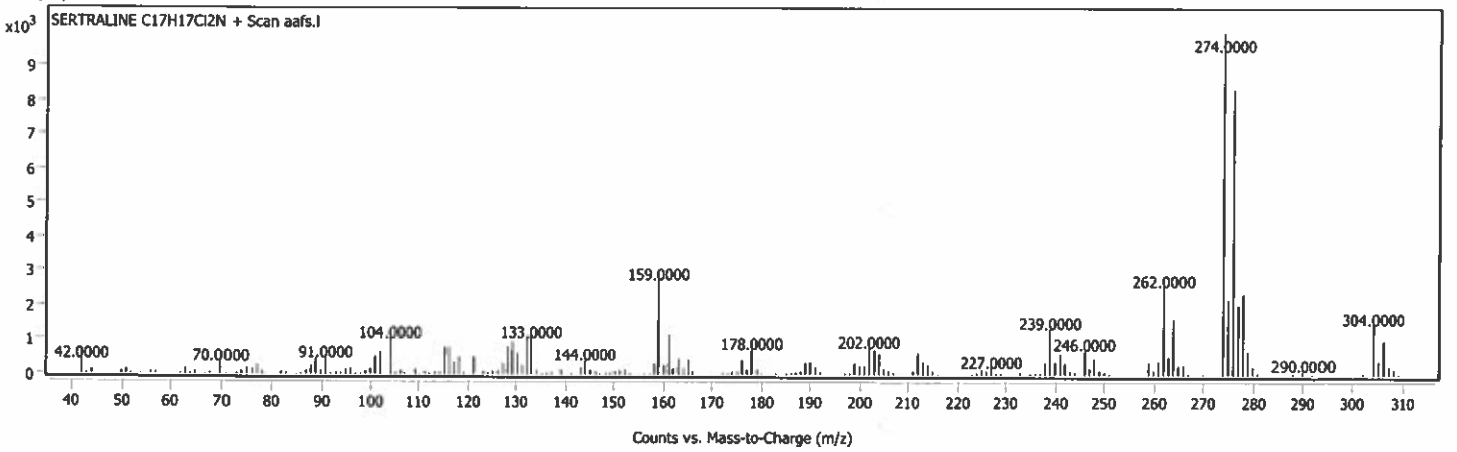
Observed Spectrum



Mirror Plot

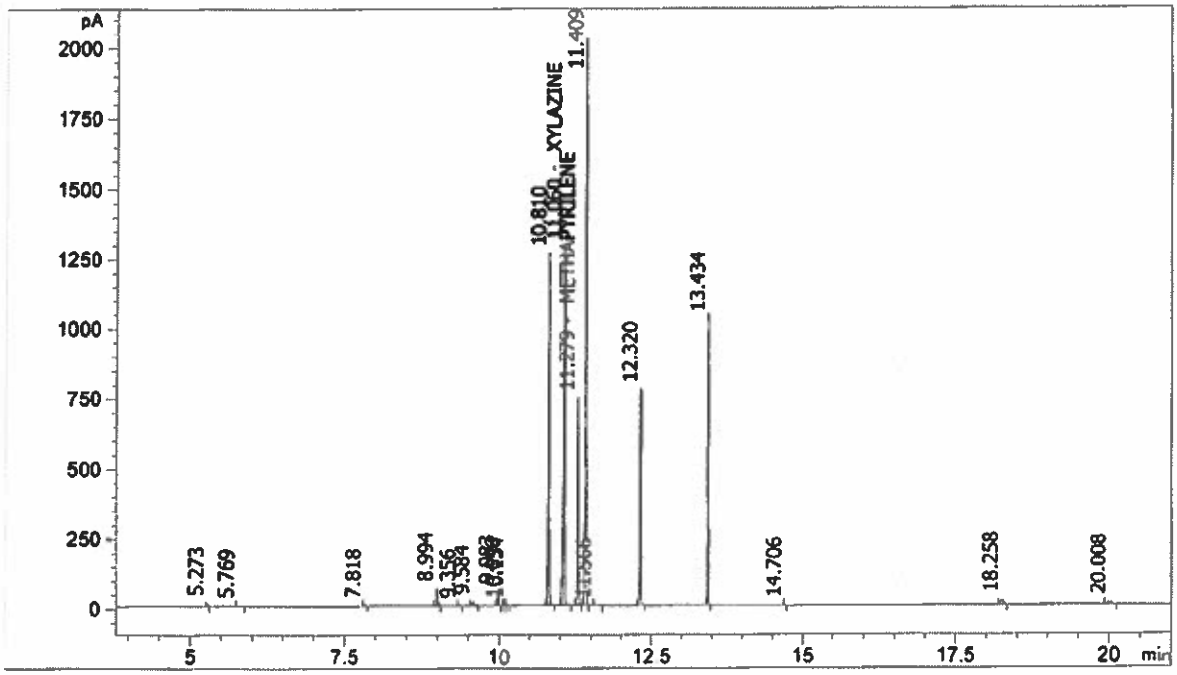


Library Spectrum



Injection Date: 9/29/2021 3:08:08 AM Seq Line: 34
Sample Name: MATRIX 2 W/ IH CTL + -> Vial 35
Sample Info: xylazine KM 11/17/22

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.060	11.046	1849.875	1285.788	0.000000	XYLAZINE
11.279	11.278	867.967	742.619	1.000000	METHAPYRILENE

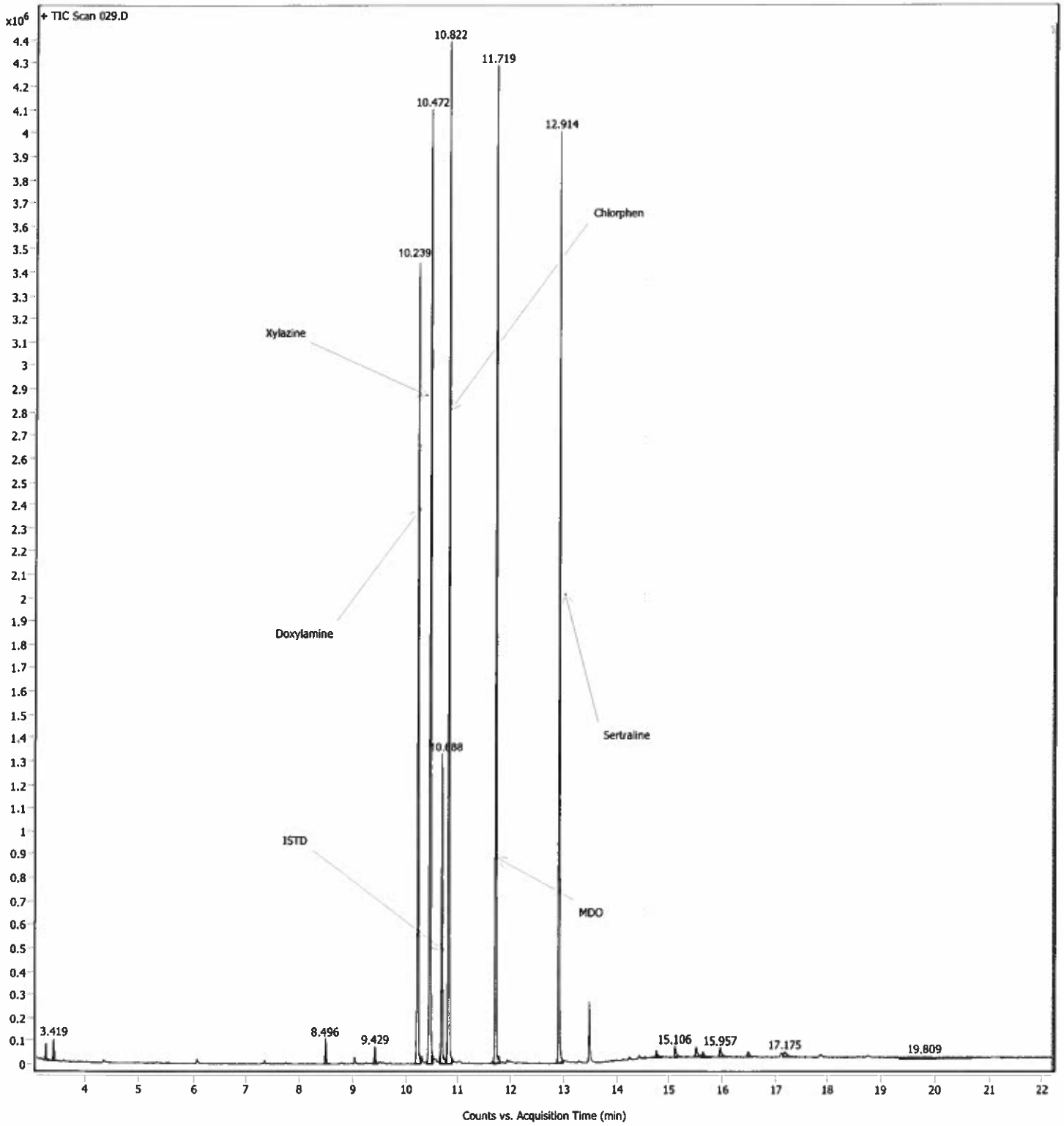
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 W/ IH CTL + XYLAZINE - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\029.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 3:01:26 AM (UTC-04:00)
Position	58	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

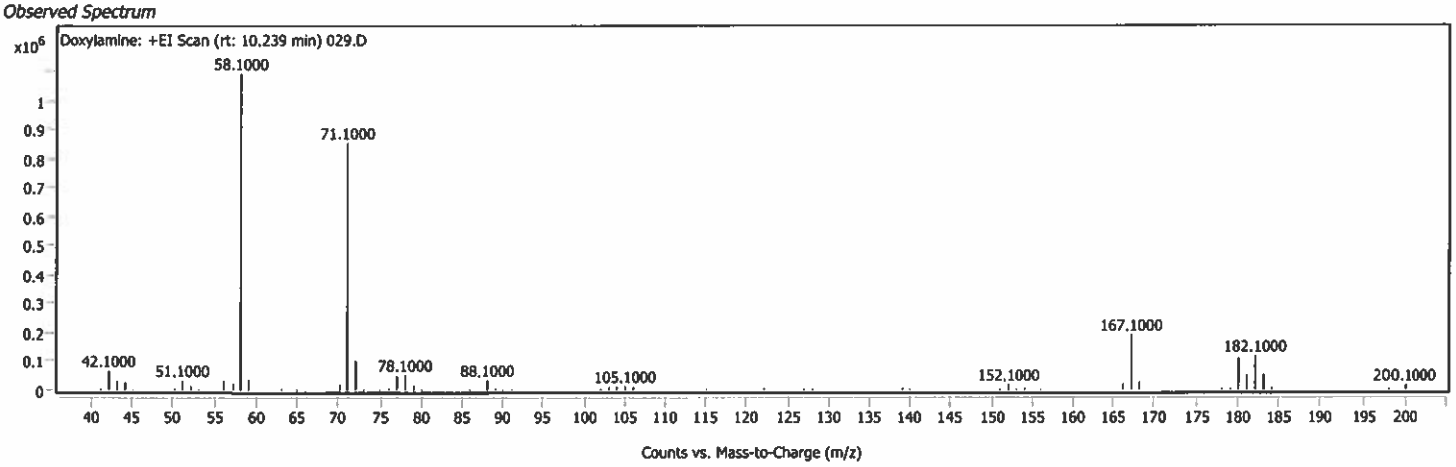
Agilent

Sample Spectra

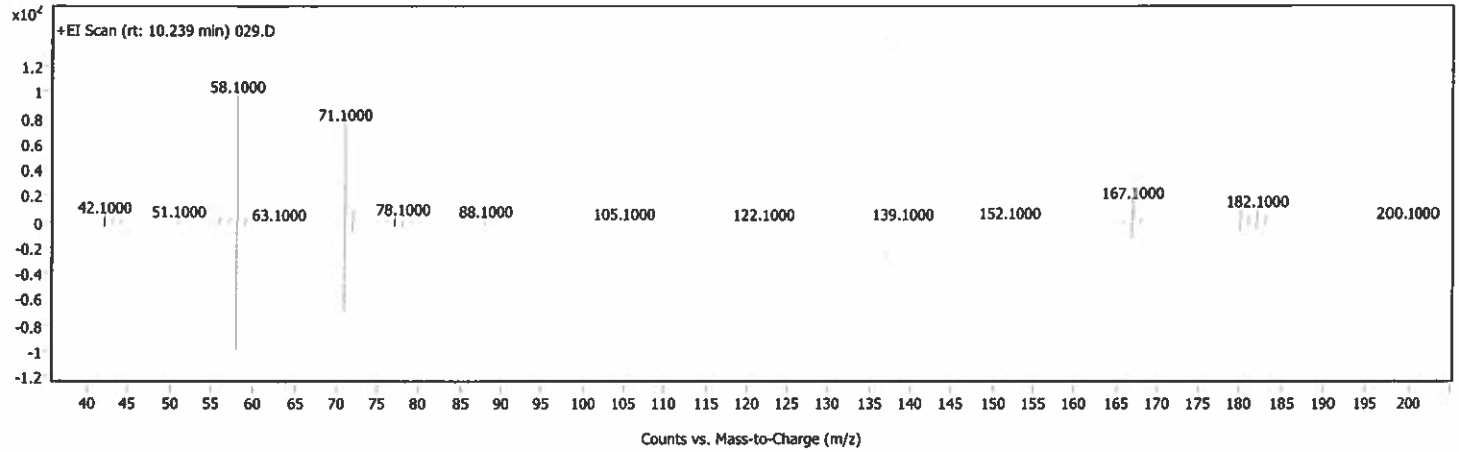
+ Scan (rt: 10.239 min) **Doxylamine; C17H22N2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Doxylamine	C17H22N2O	98.94	SWGDRUG 3.3.L	MATRIX 1 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

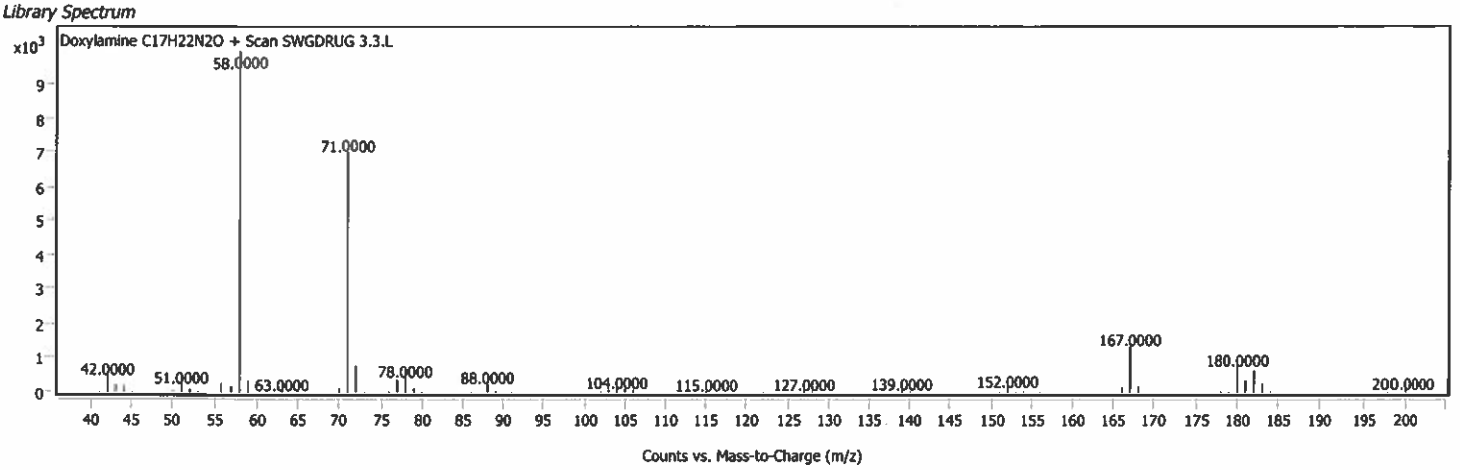
Observed Spectrum



Mirror Plot



Library Spectrum



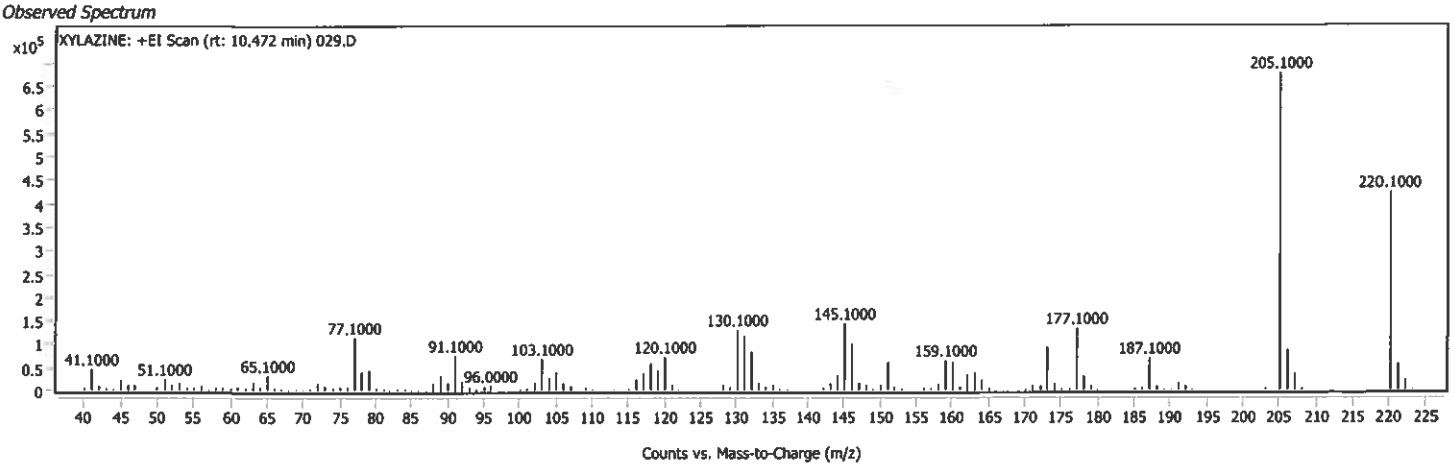
Analysis Report

Agilent

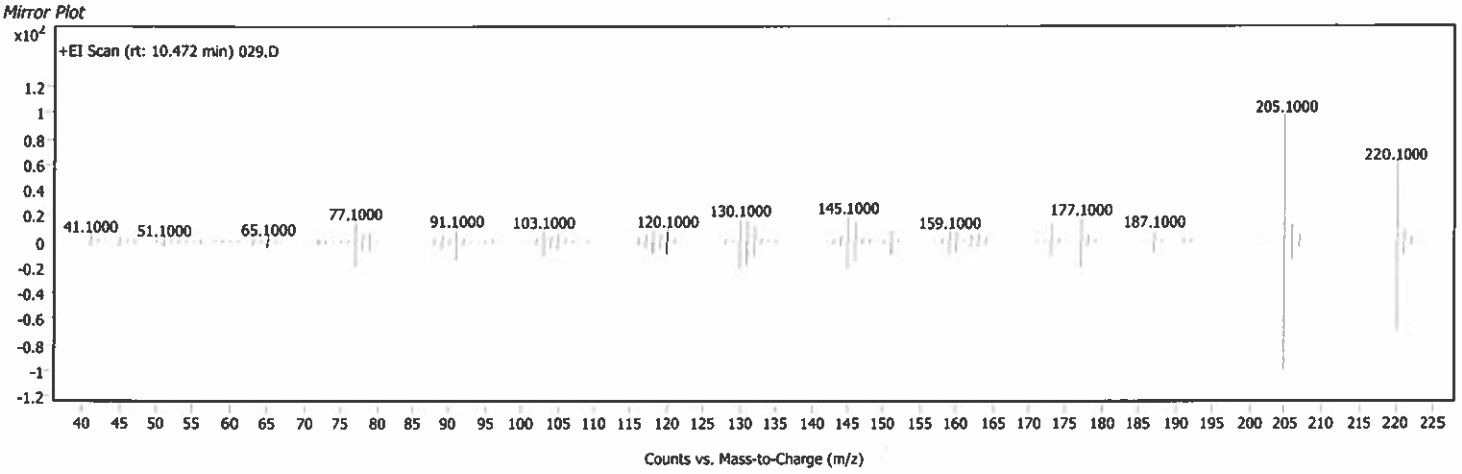
+ Scan (rt: 10.472 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.58	aafs.l	MATRIX 1 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

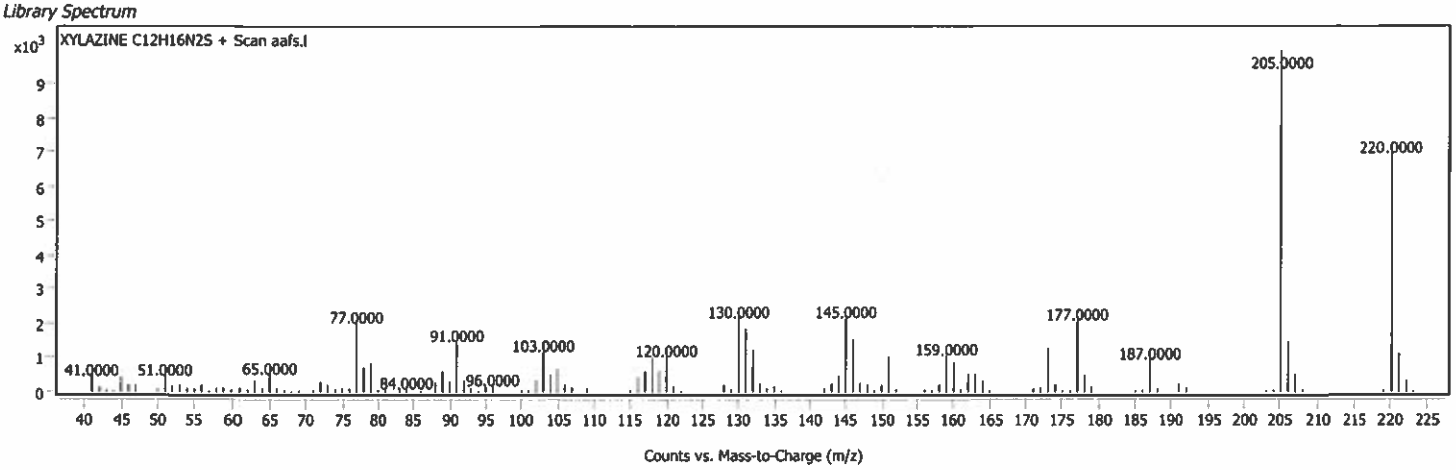
Observed Spectrum



Mirror Plot



Library Spectrum



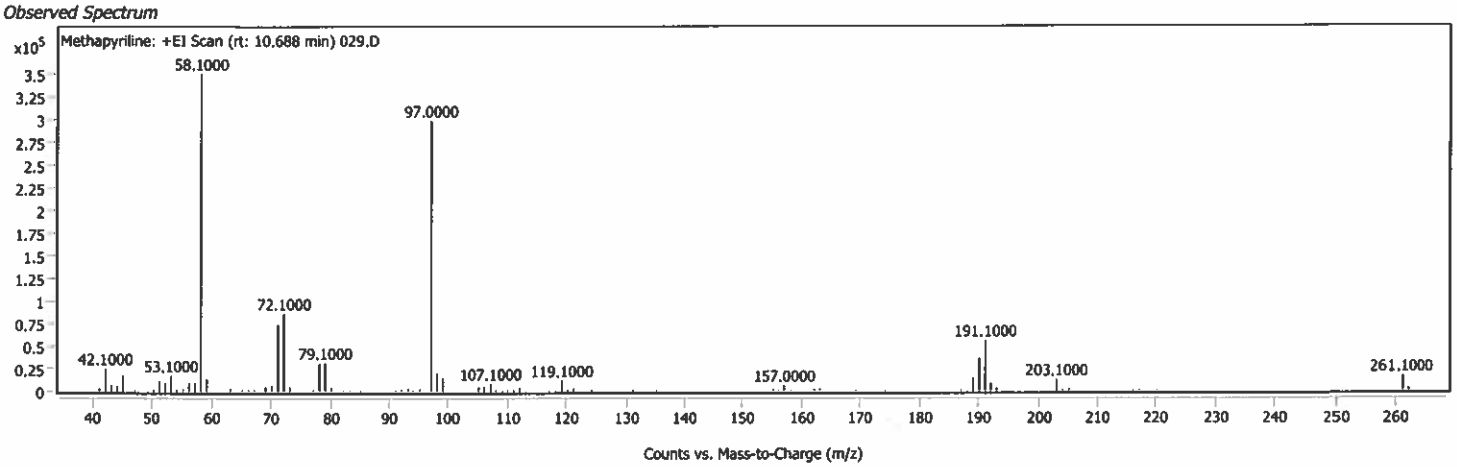
Analysis Report

Agilent

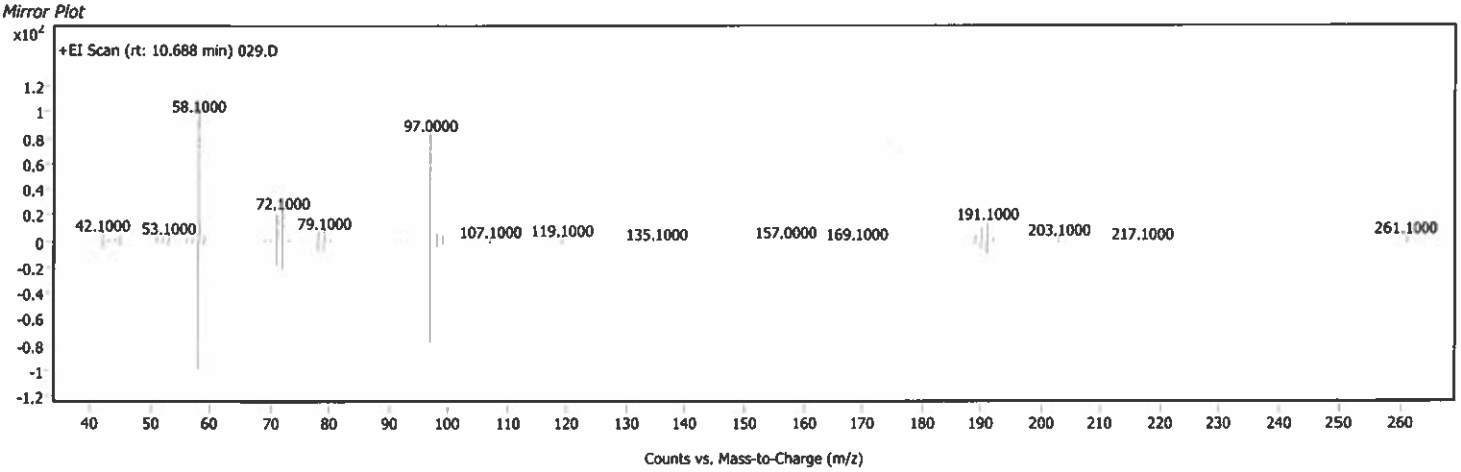
+ Scan (rt: 10.688 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.49	SWGDRUG 3.3.L	MATRIX 1 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

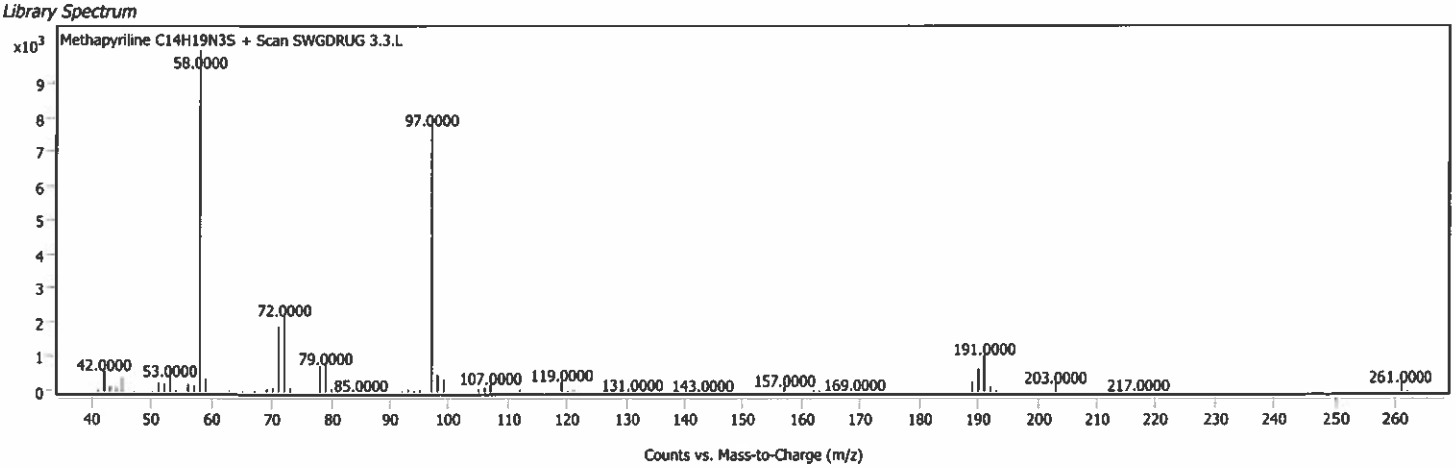
Observed Spectrum



Mirror Plot



Library Spectrum



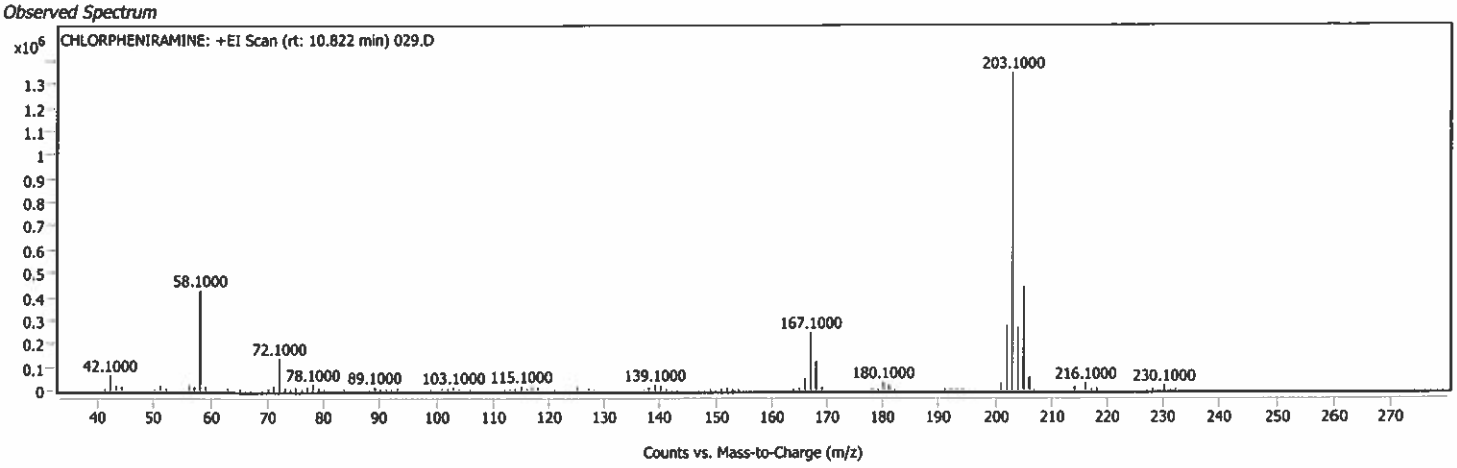
Analysis Report

Agilent

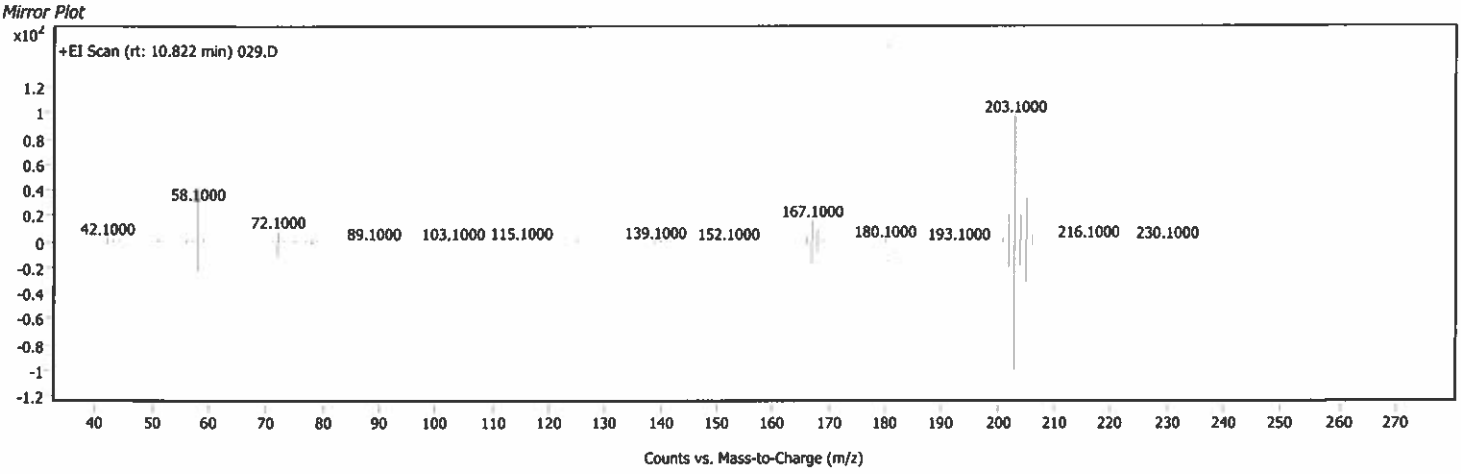
+ Scan (rt: 10.822 min) **CHLORPHENIRAMINE; C16H19ClN2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CHLORPHENIRAMINE	C16H19ClN2	99.11	aafs.l	MATRIX 1 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

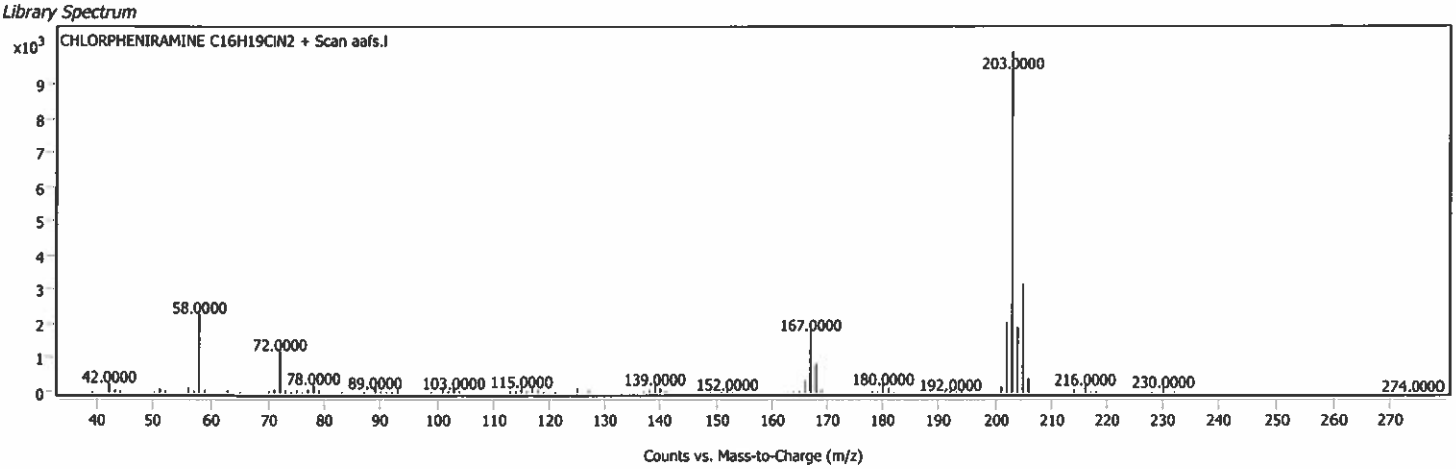
Observed Spectrum



Mirror Plot



Library Spectrum



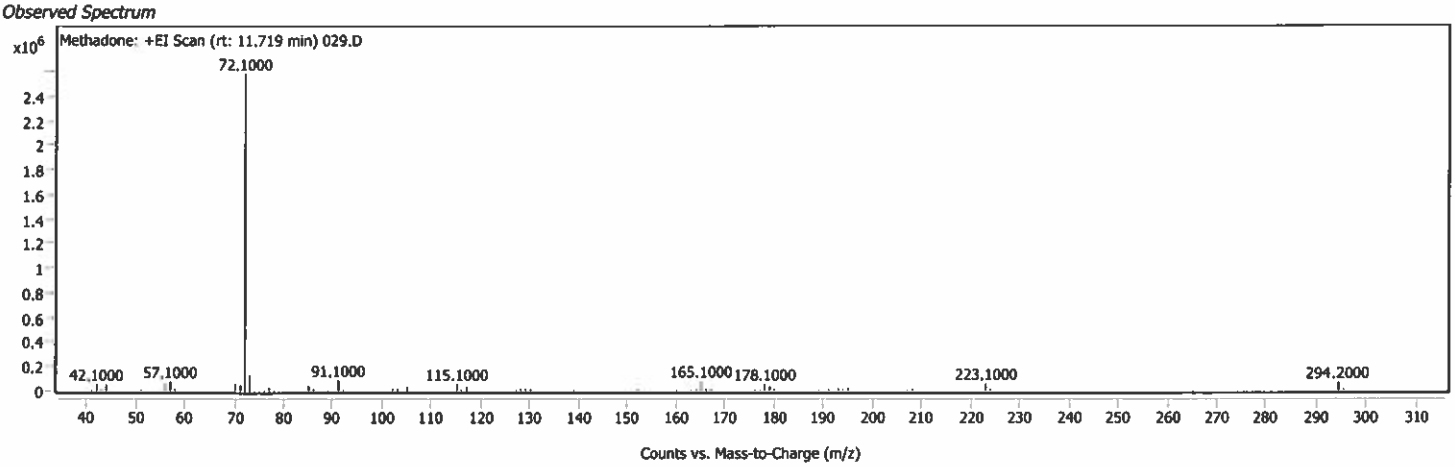
Analysis Report

Agilent

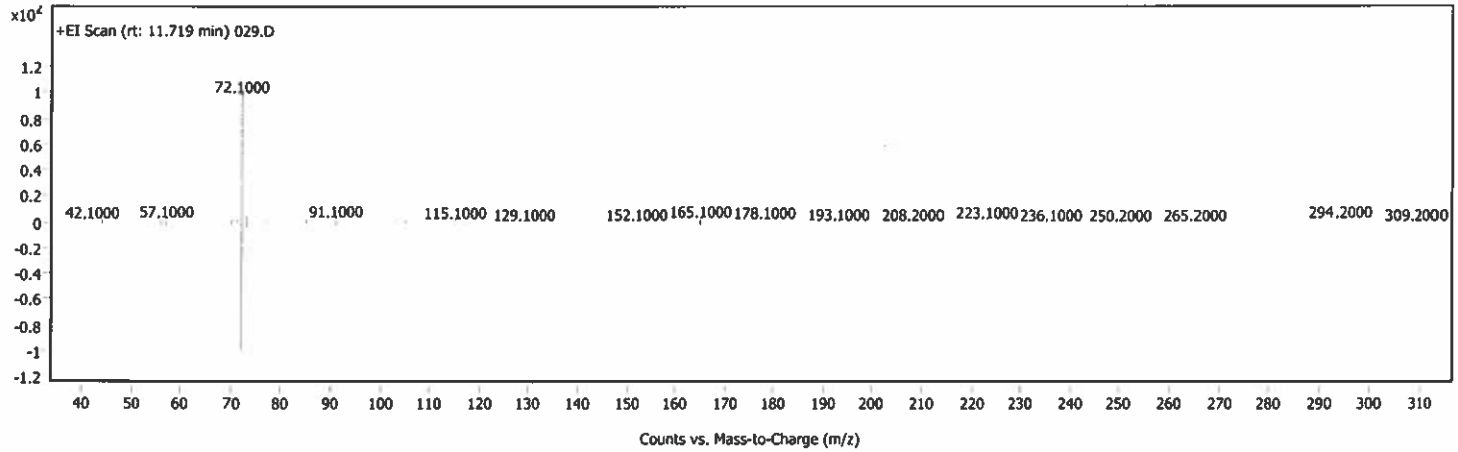
+ Scan (rt: 11.719 min) **Methadone; C21H27NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methadone	C21H27NO	97.38	SWGDRUG 3.3.L	MATRIX 1 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

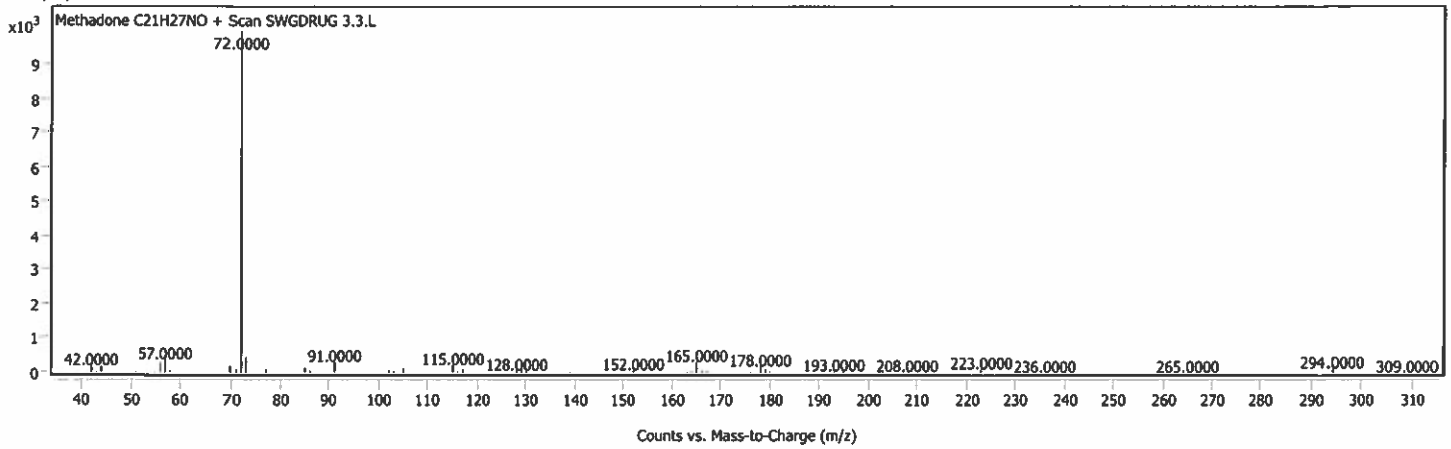
Observed Spectrum



Mirror Plot



Library Spectrum



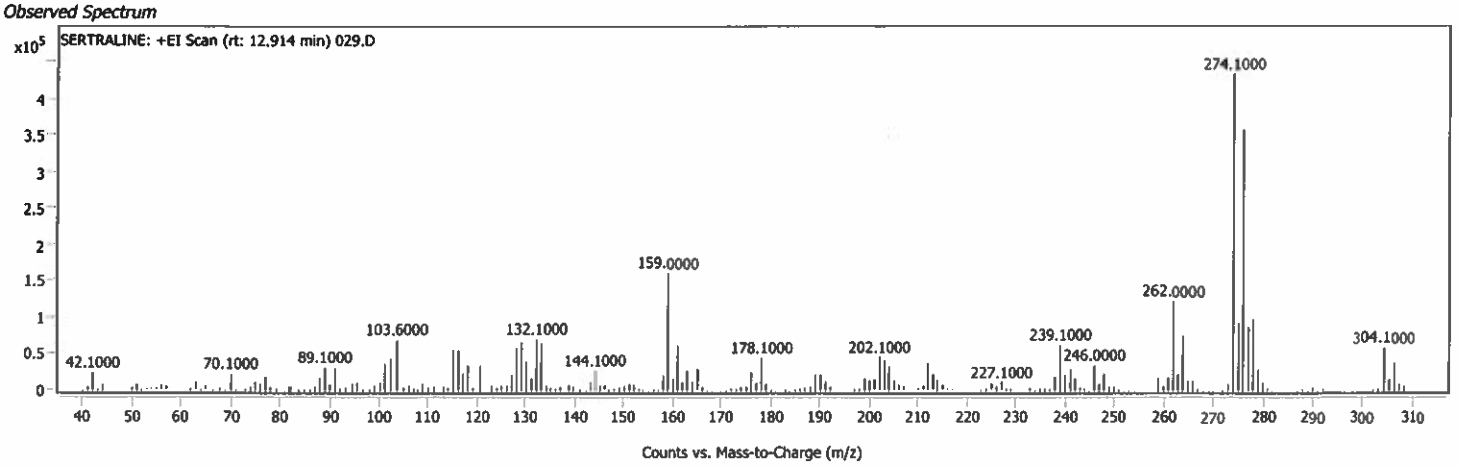
Analysis Report

Agilent

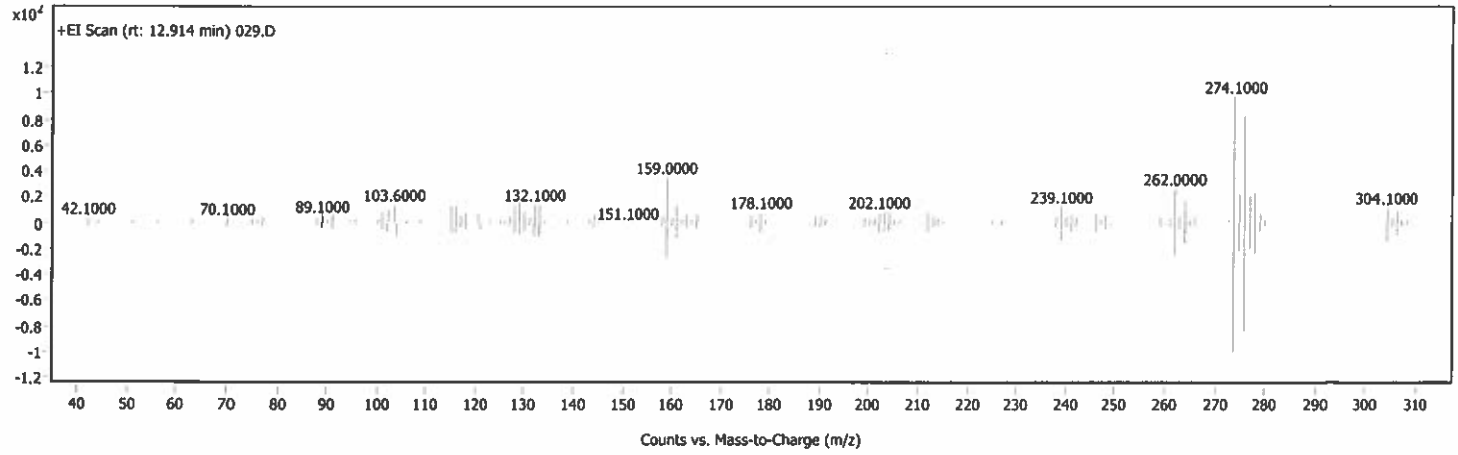
+ Scan (rt: 12.914 min) **SERTRALINE; C17H17Cl2N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
SERTRALINE	C17H17Cl2N	92.27	aafs.l	MATRIX 1 W/ IH CTL + XYLAZINE - BLD	KM/QC DATA IN XYLAZINE VALIDATION

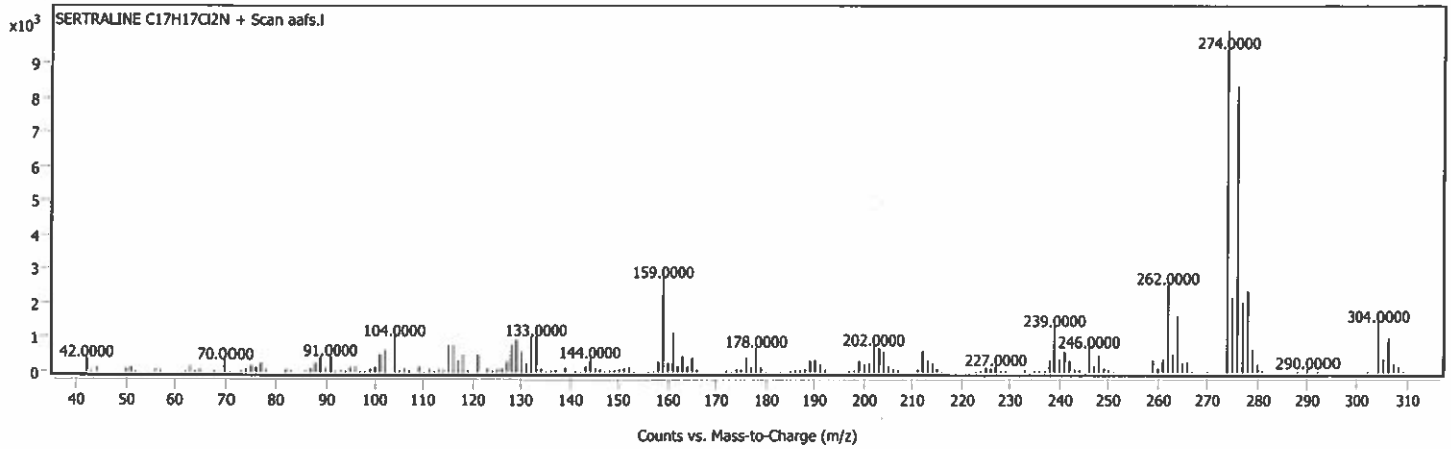
Observed Spectrum



Mirror Plot

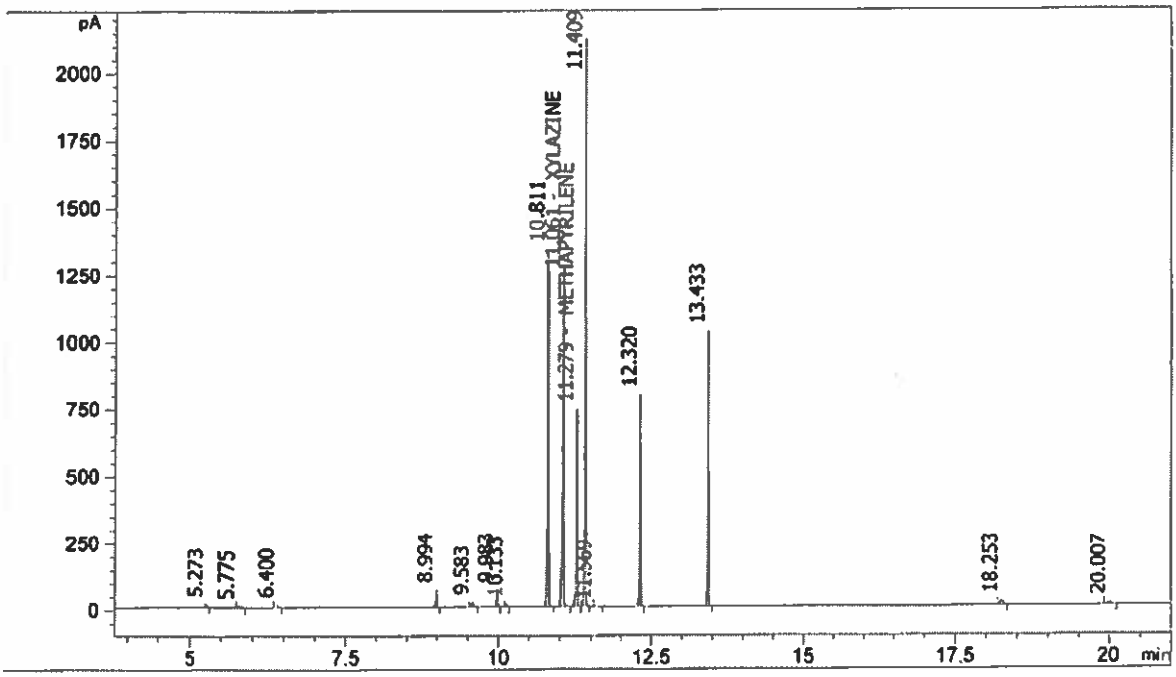


Library Spectrum



Injection Date: 9/29/2021 2:43:44 AM Seq Line: 33
Sample Name: MATRIX 1 W/ IH CTL + -> Vial 34
Sample Info: Xylazine KM 11/17/22

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.061	11.046	1873.649	1242.294	0.000000	XYLAZINE RRT - 0.9807
11.279	11.278	851.543	738.420	1.000000	METHAPYRILENE

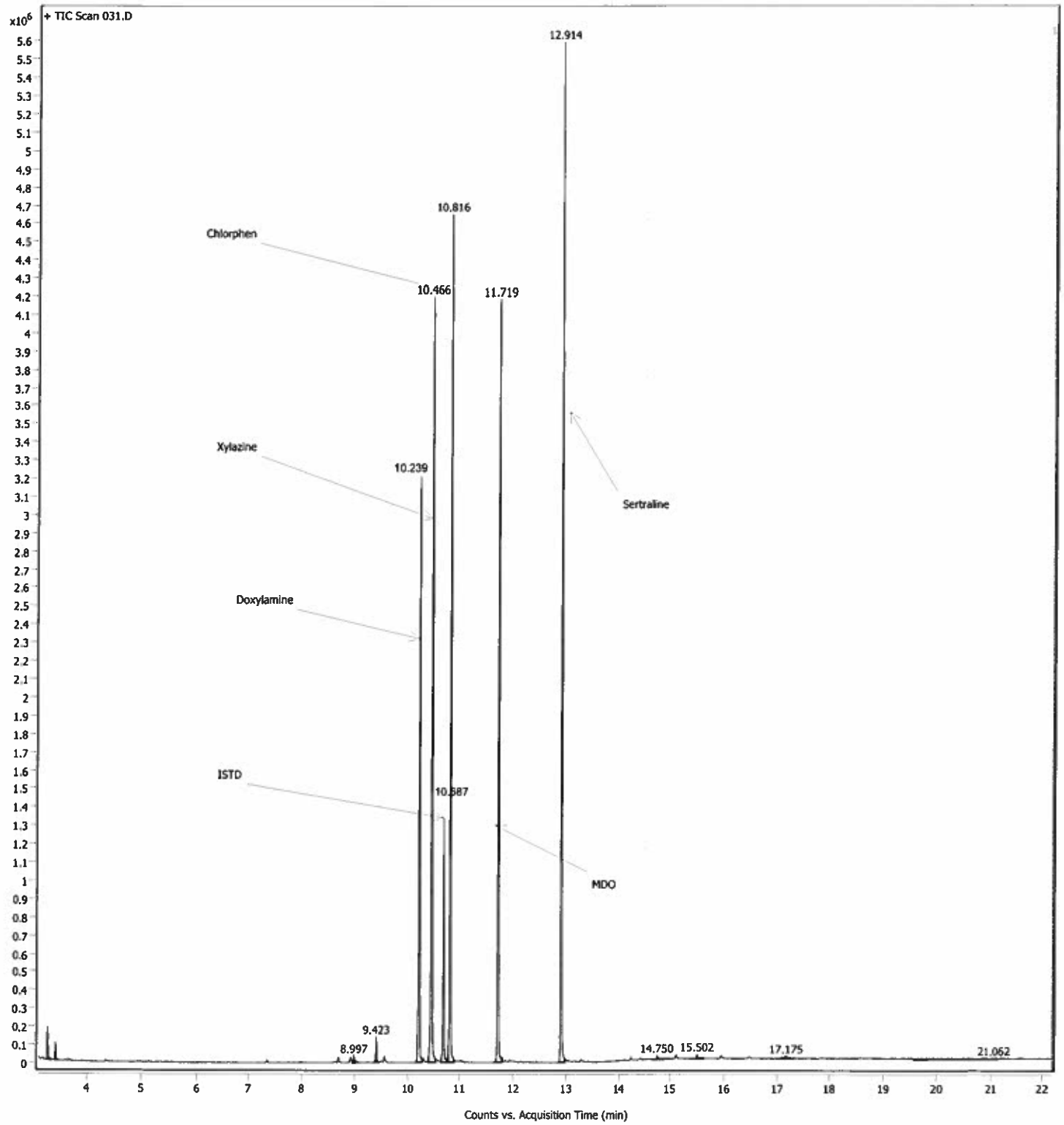
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 W/ IH CTL + XYLAZINE - URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\031.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 3:53:06 AM (UTC-04:00)
Position	60	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

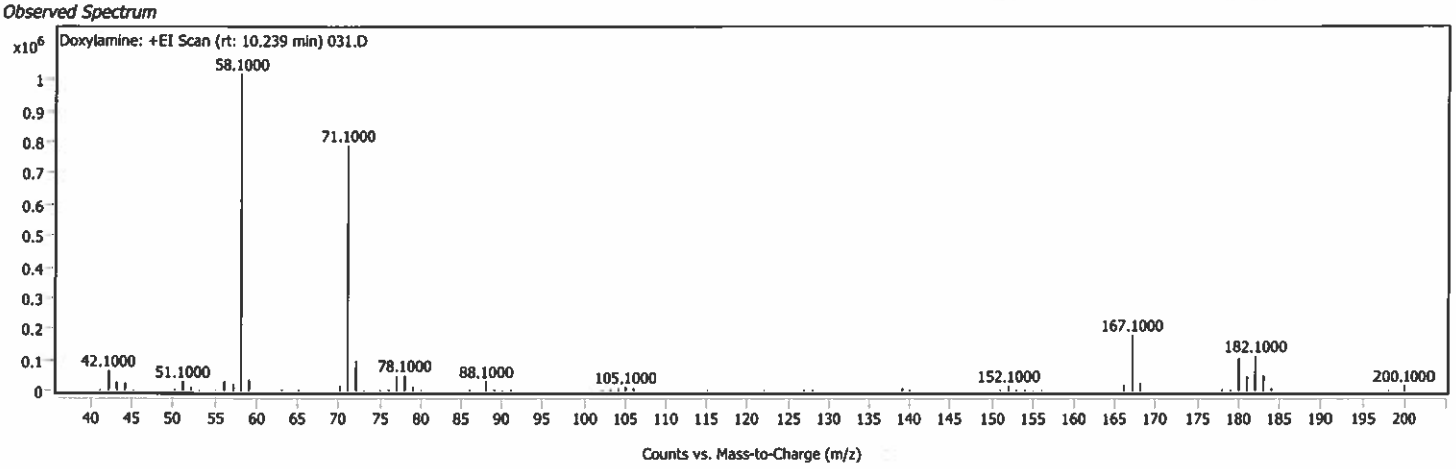
Agilent

Sample Spectra

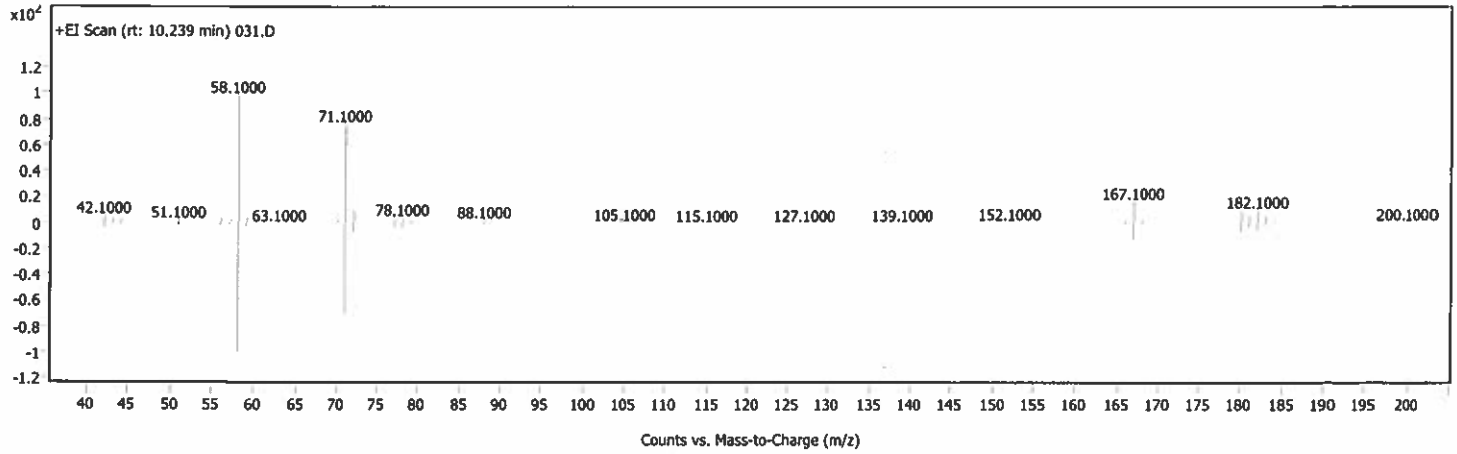
+ Scan (rt: 10.239 min) **Doxylamine; C17H22N2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Doxylamine	C17H22N2O	98.75	SWGDRUG 3.3.L	MATRIX 6 W/ IH CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

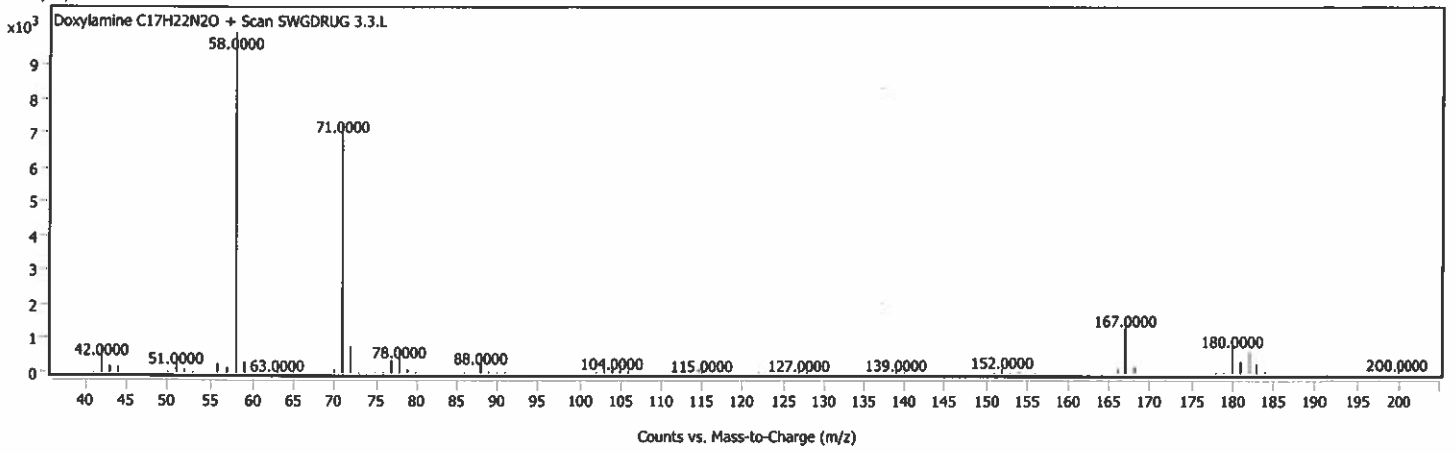
Observed Spectrum



Mirror Plot



Library Spectrum



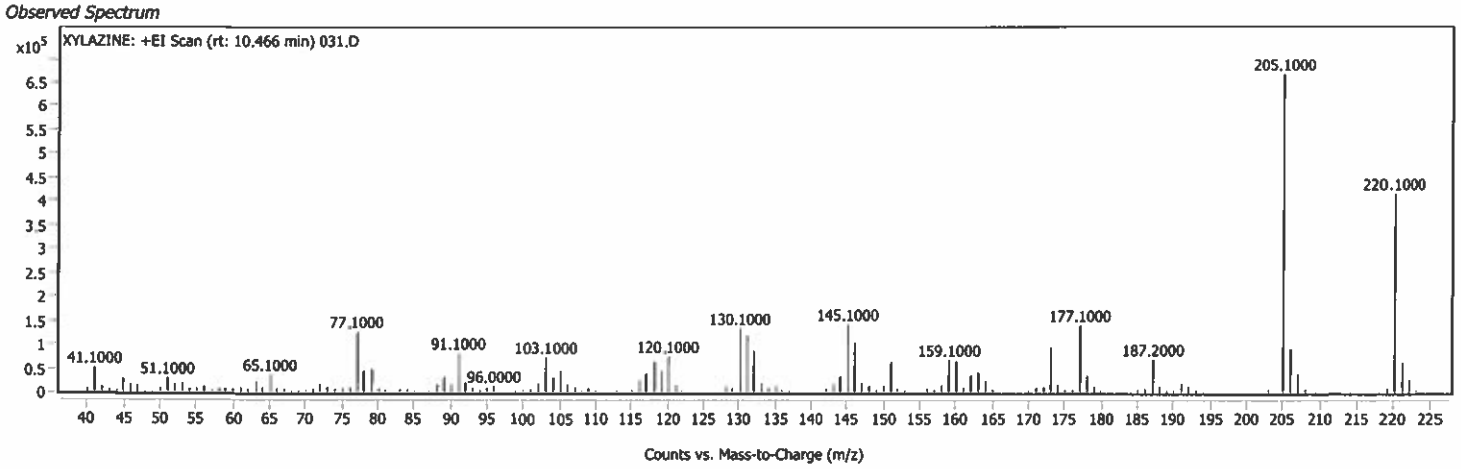
Analysis Report

Agilent

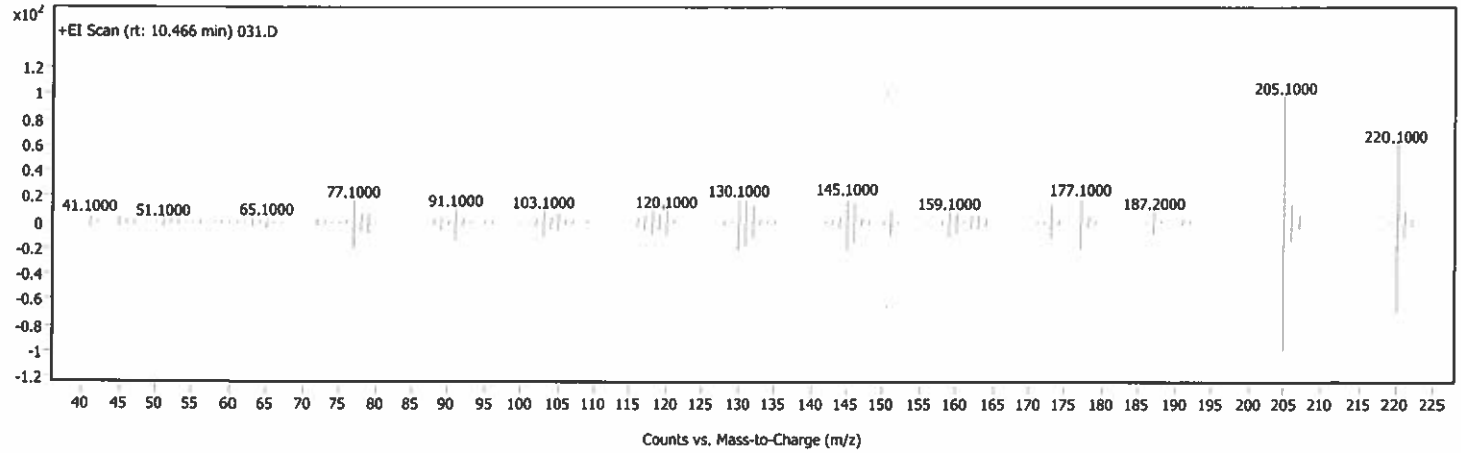
+ Scan (rt: 10.466 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.58	aafs.l	MATRIX 6 W/ IH CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

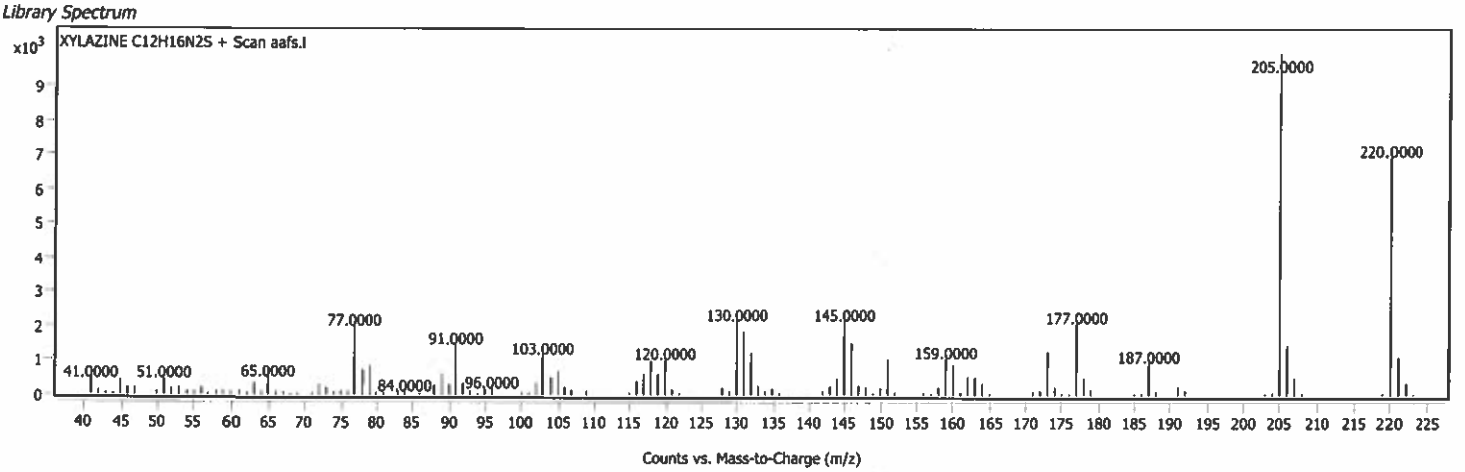
Observed Spectrum



Mirror Plot



Library Spectrum



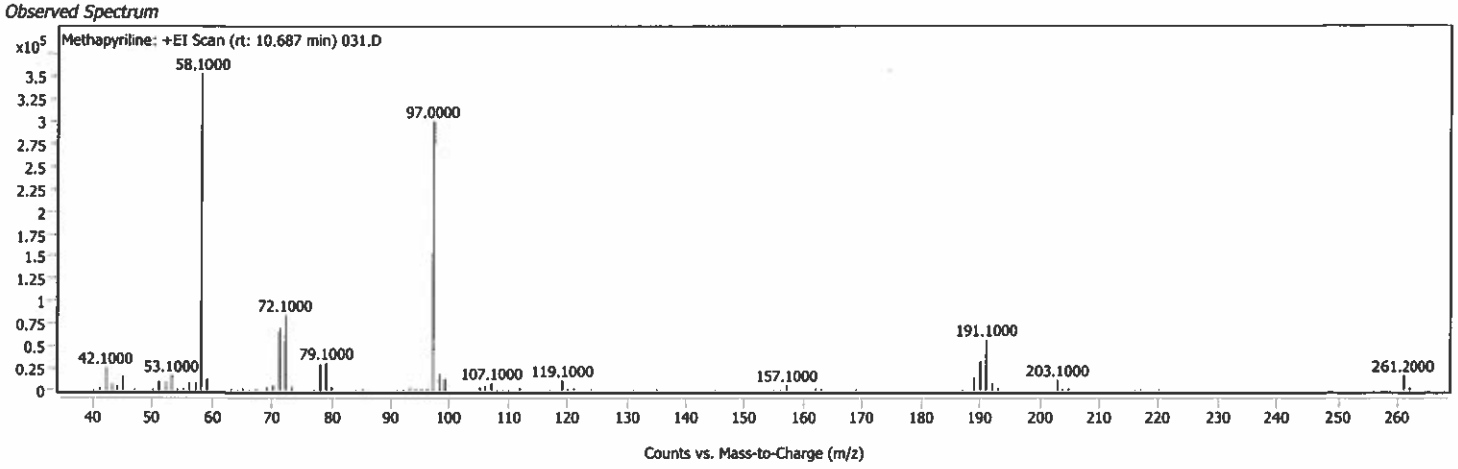
Analysis Report

Agilent

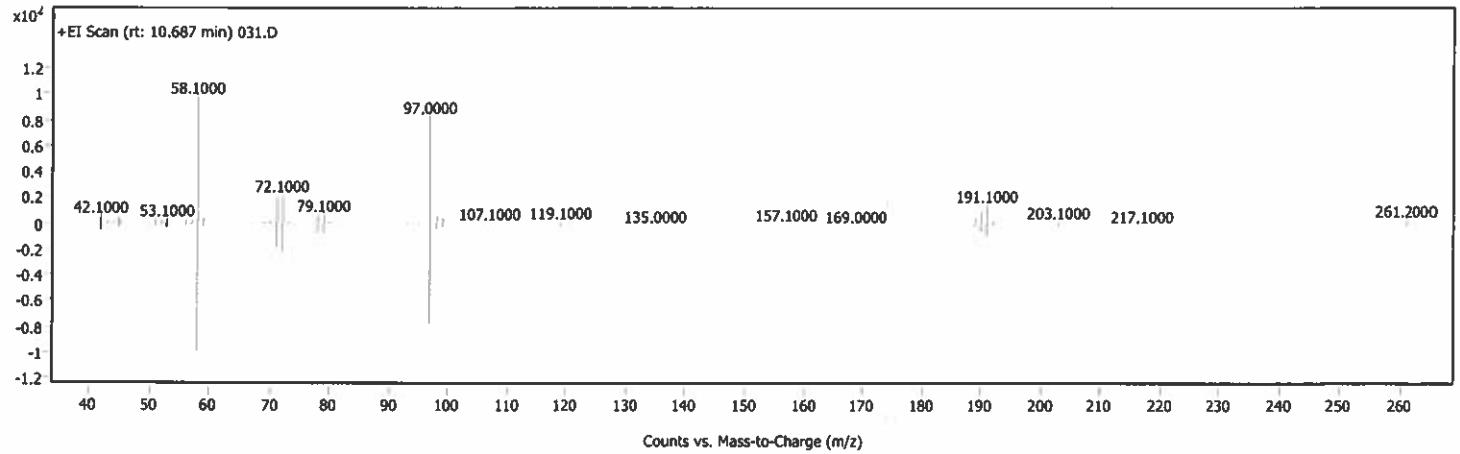
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.64	SWGDRUG 3.3.L	MATRIX 6 W/ IH CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

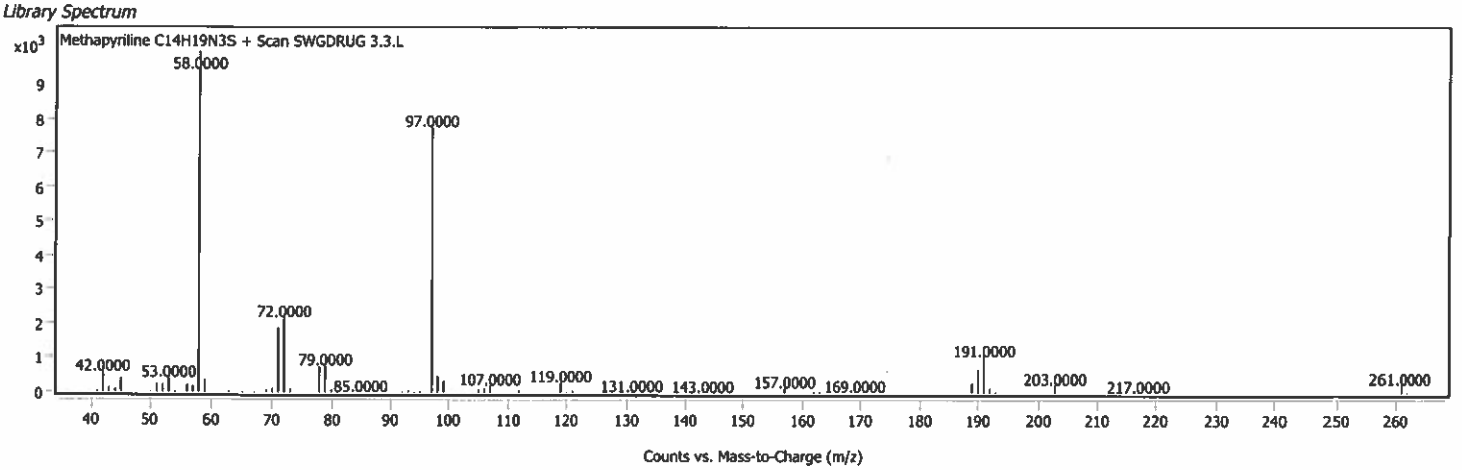
Observed Spectrum



Mirror Plot



Library Spectrum



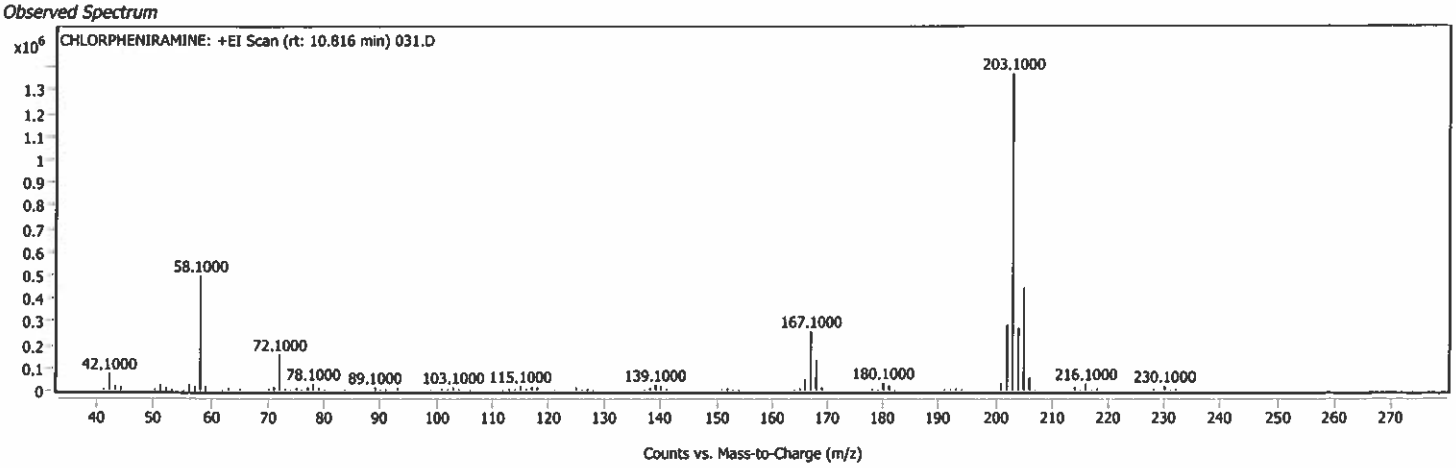
Analysis Report

Agilent

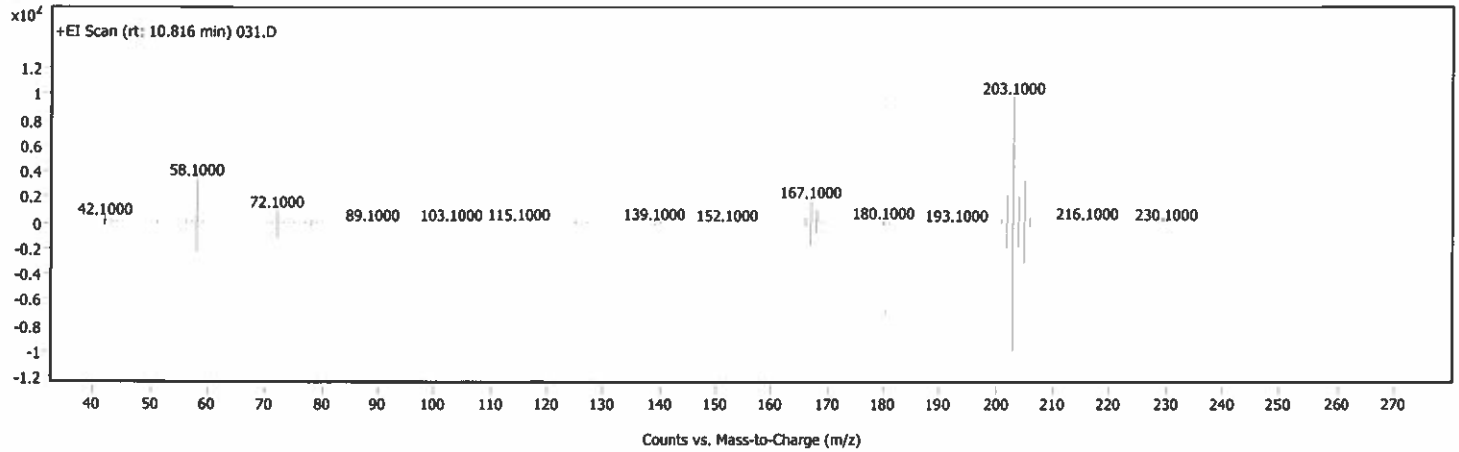
+ Scan (rt: 10.816 min) **CHLORPHENIRAMINE; C16H19ClN2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CHLORPHENIRAMINE	C16H19ClN2	99.02	aafs.l	MATRIX 6 W/ IH CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

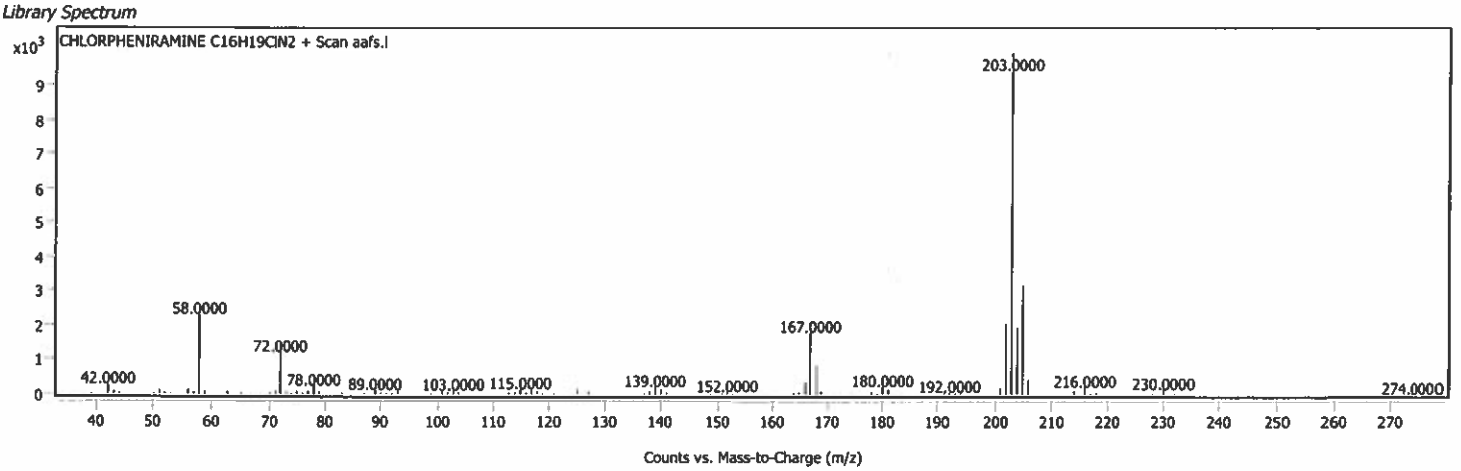
Observed Spectrum



Mirror Plot



Library Spectrum



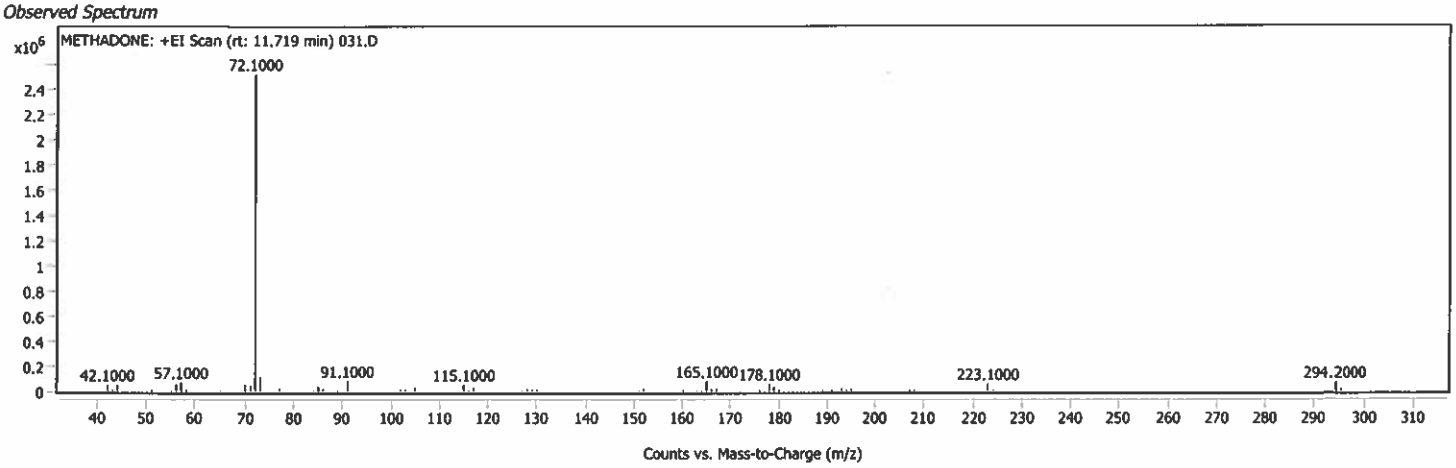
Analysis Report

Agilent

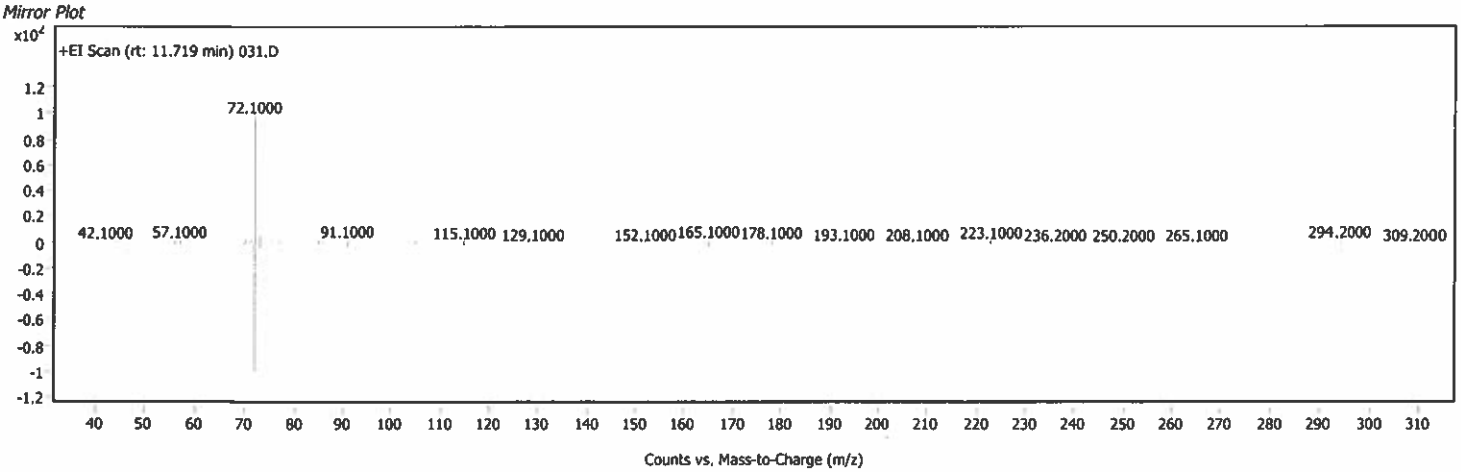
+ Scan (rt: 11.719 min) **METHADONE; C21H27NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
METHADONE	C21H27NO	97.07	aafs.l	MATRIX 6 W/ IH CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

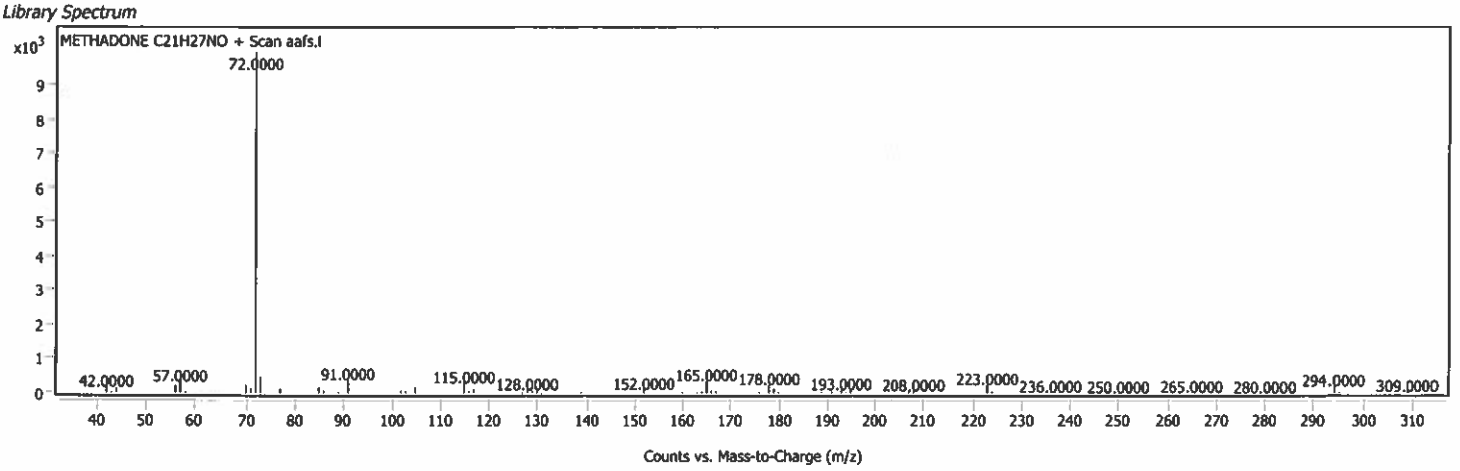
Observed Spectrum



Mirror Plot



Library Spectrum



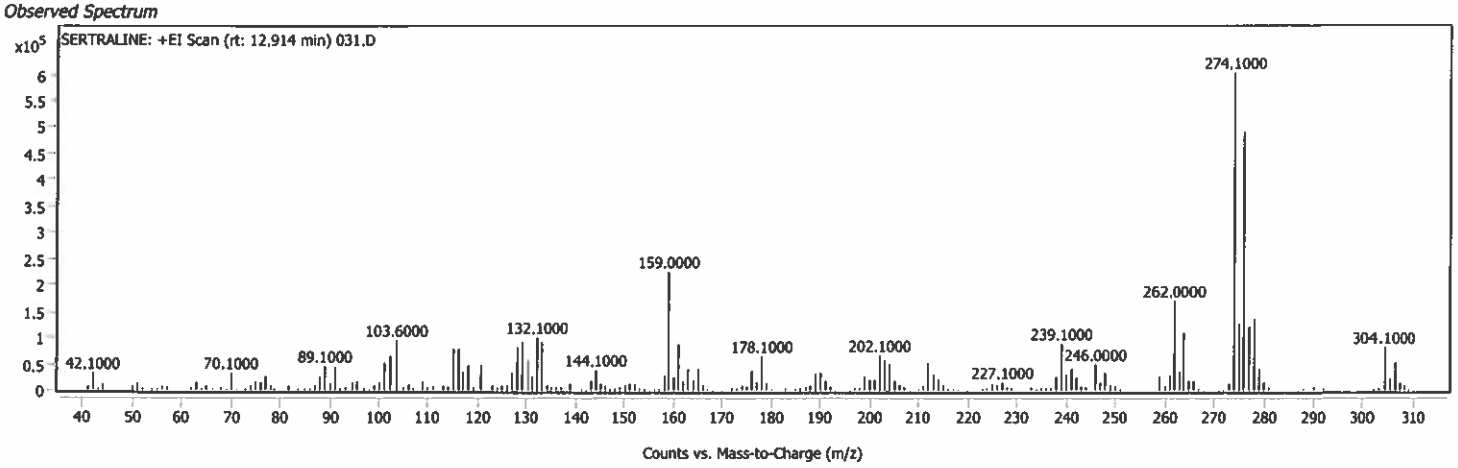
Analysis Report

Agilent

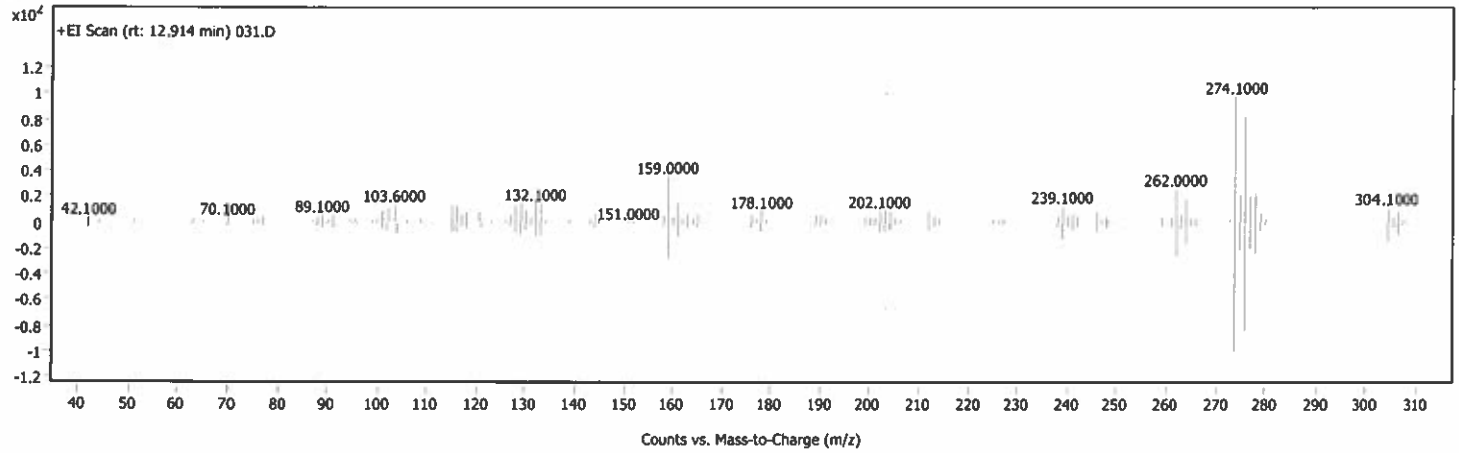
+ Scan (rt: 12.914 min) **SERTRALINE; C17H17Cl2N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
SERTRALINE	C17H17Cl2N	91.95	aafs.l	MATRIX 6 W/ 1H CTL + XYLAZINE - URN	KM/QC DATA IN XYLAZINE VALIDATION

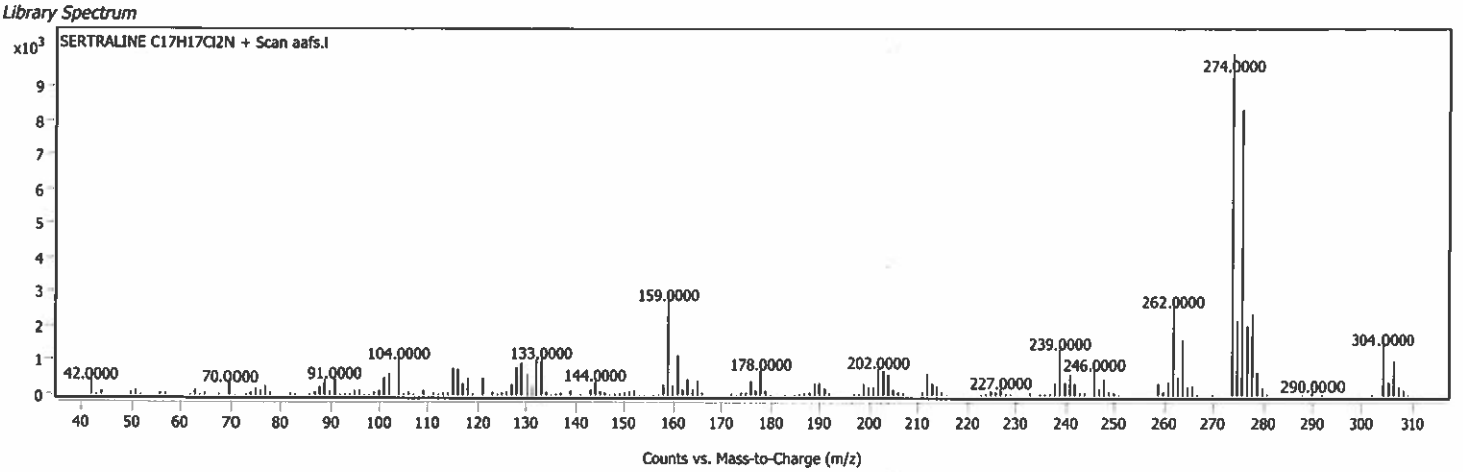
Observed Spectrum



Mirror Plot

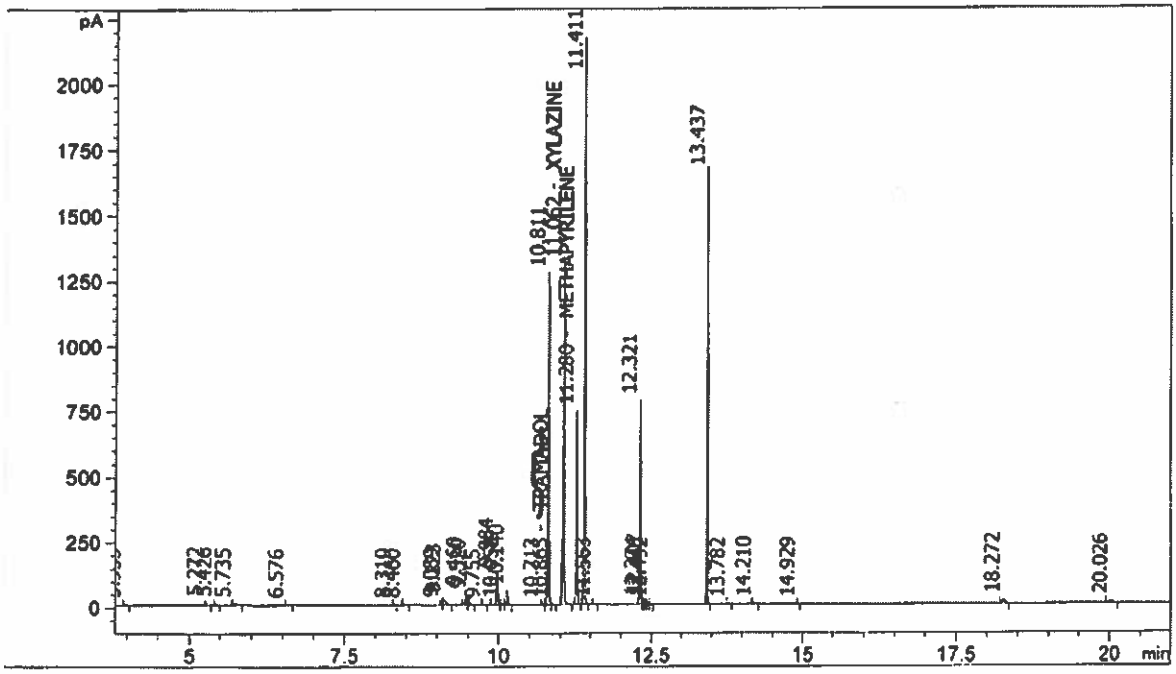


Library Spectrum



Injection Date: 9/29/2021 3:32:25 AM Seq Line: 35
Sample Name: MATRIX 6 W/ IH CTL + -> Vial 36
Sample Info: xylazine 11/17/22

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
10.865	11.033	5.261	2.911	0.000000	TRAMADOL ND
11.062	11.046	1934.194	1307.255	0.000000	XYLAZINE RRT - 0.9807
11.280	11.278	869.681	740.347	1.000000	METHAPYRILENE

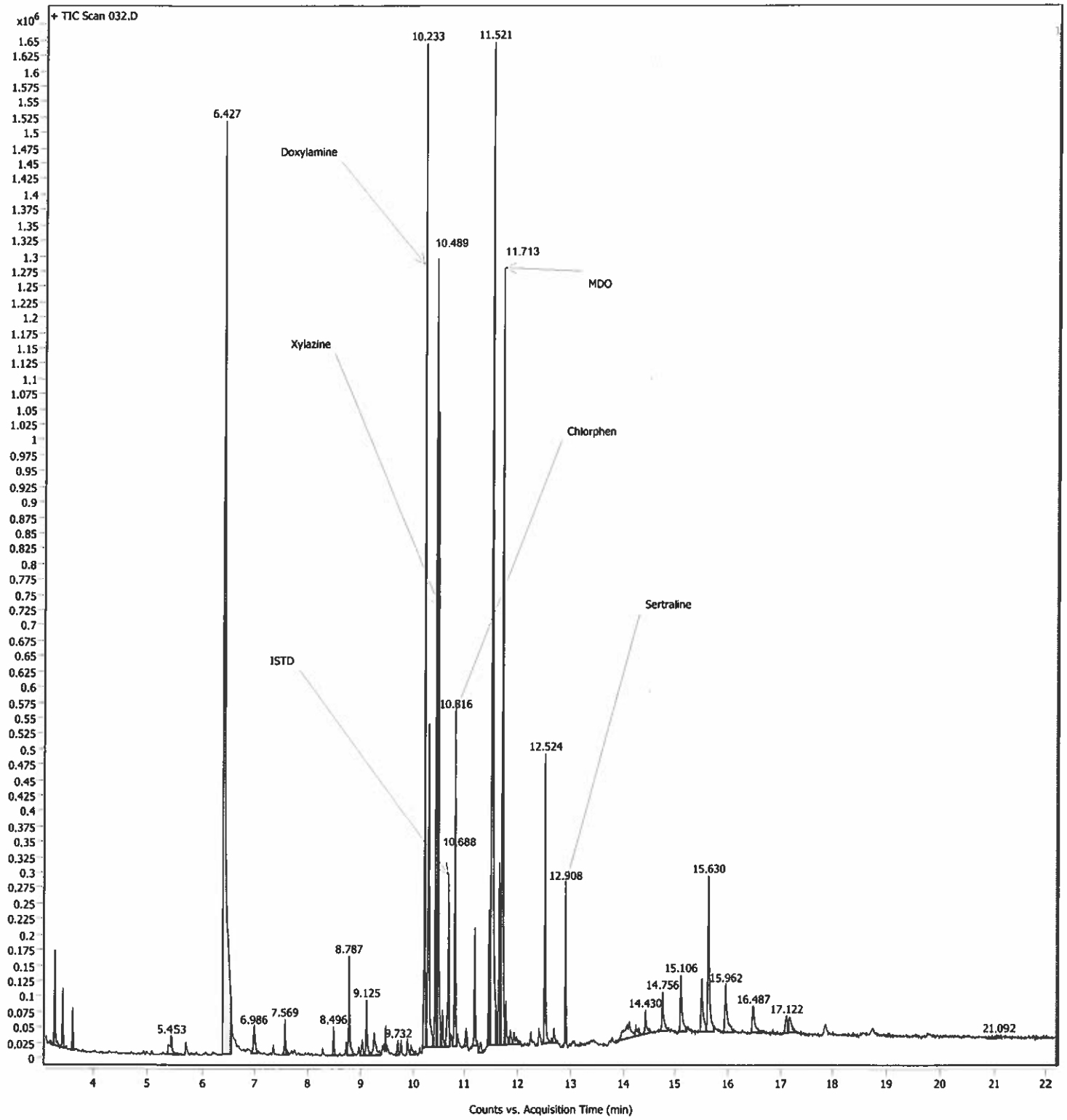
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 10 W/ IH CTL + XYLAZINE - LVR	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\032.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 4:18:53 AM (UTC-04:00)
Position	61	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

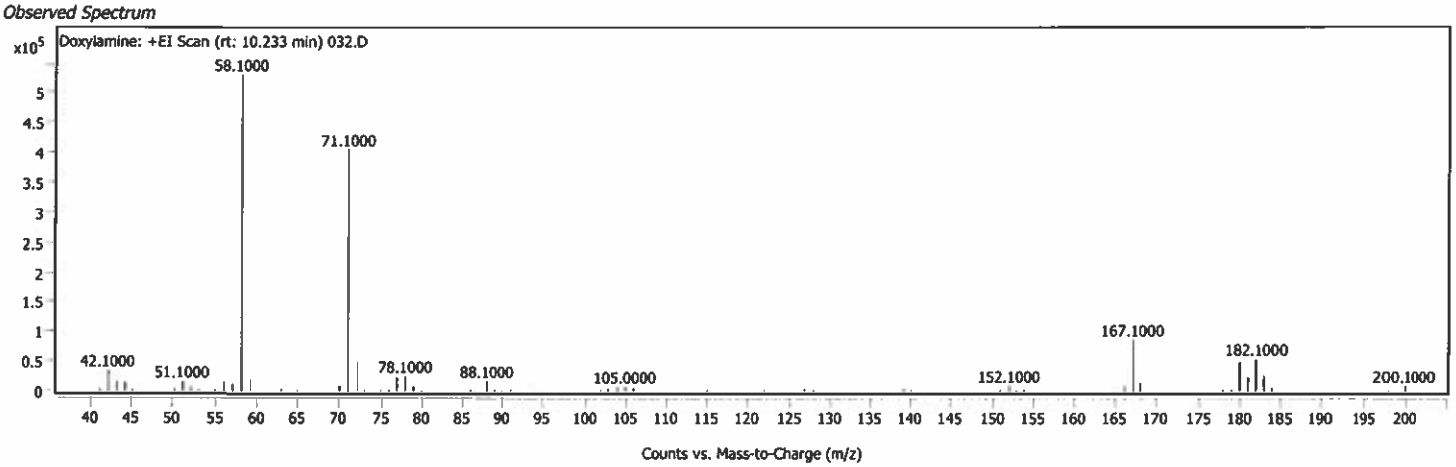
Agilent

Sample Spectra

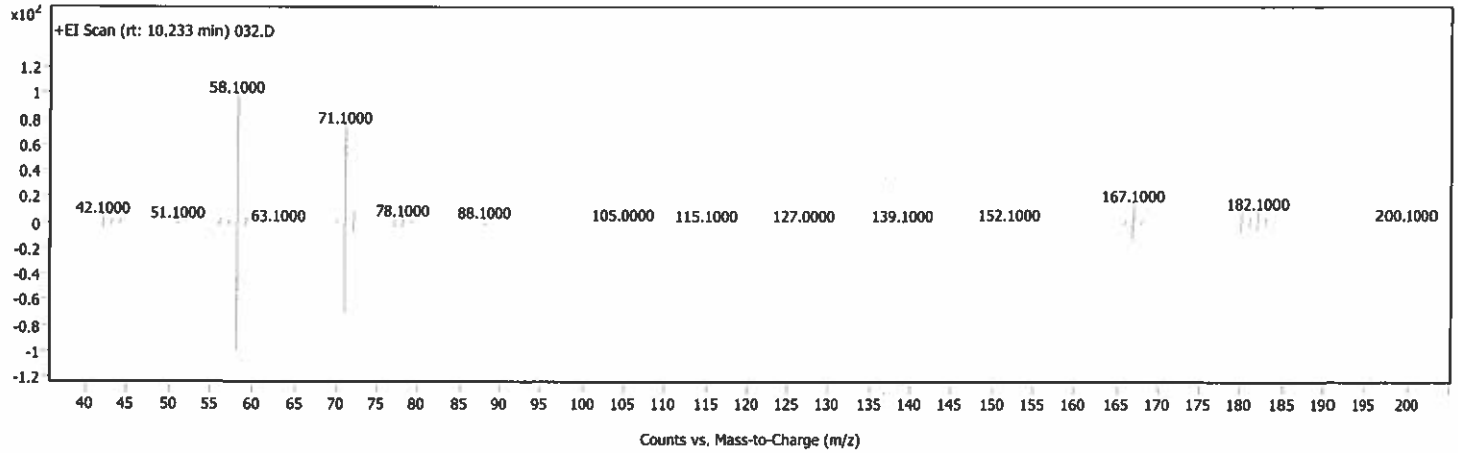
+ Scan (rt: 10.233 min) **Doxylamine; C17H22N2O**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Doxylamine	C17H22N2O	98.89	SWGDRUG 3.3.L	MATRIX 10 W/ IH CTL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

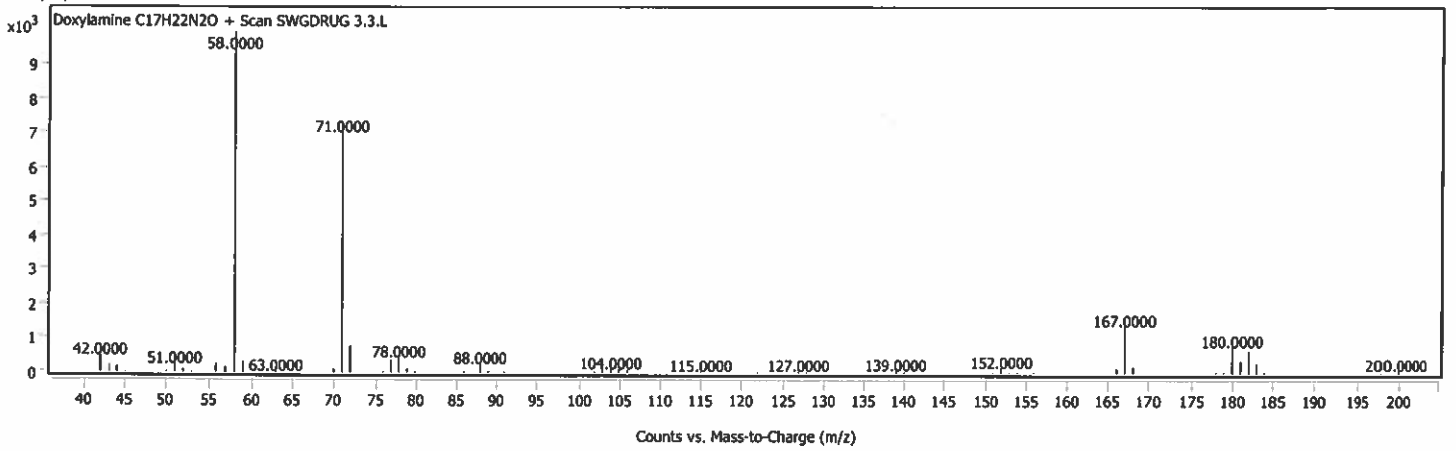
Observed Spectrum



Mirror Plot



Library Spectrum



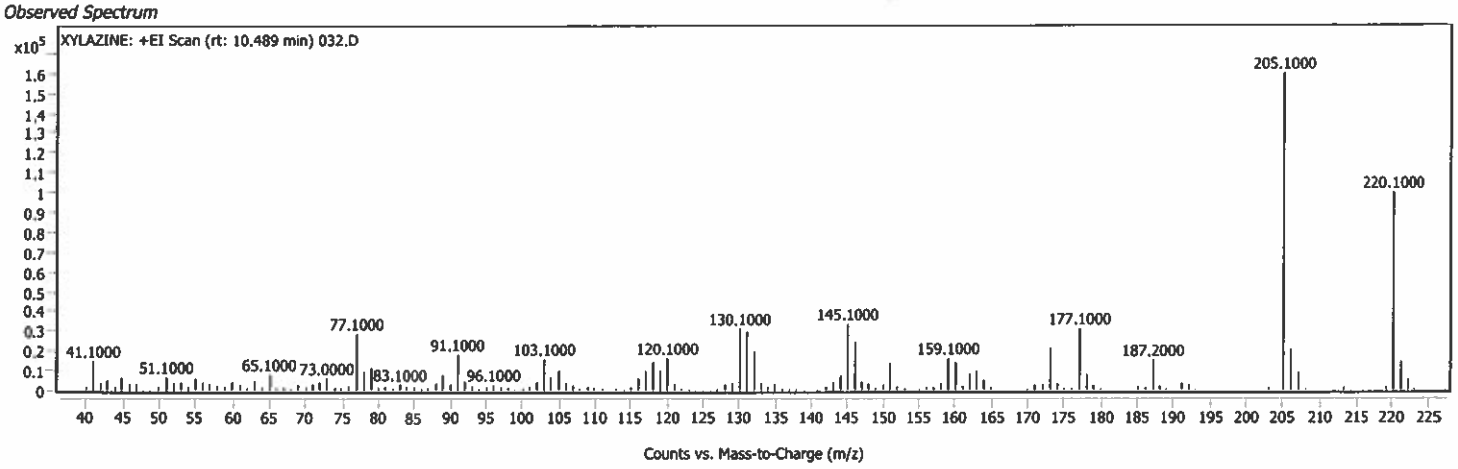
Analysis Report

Agilent

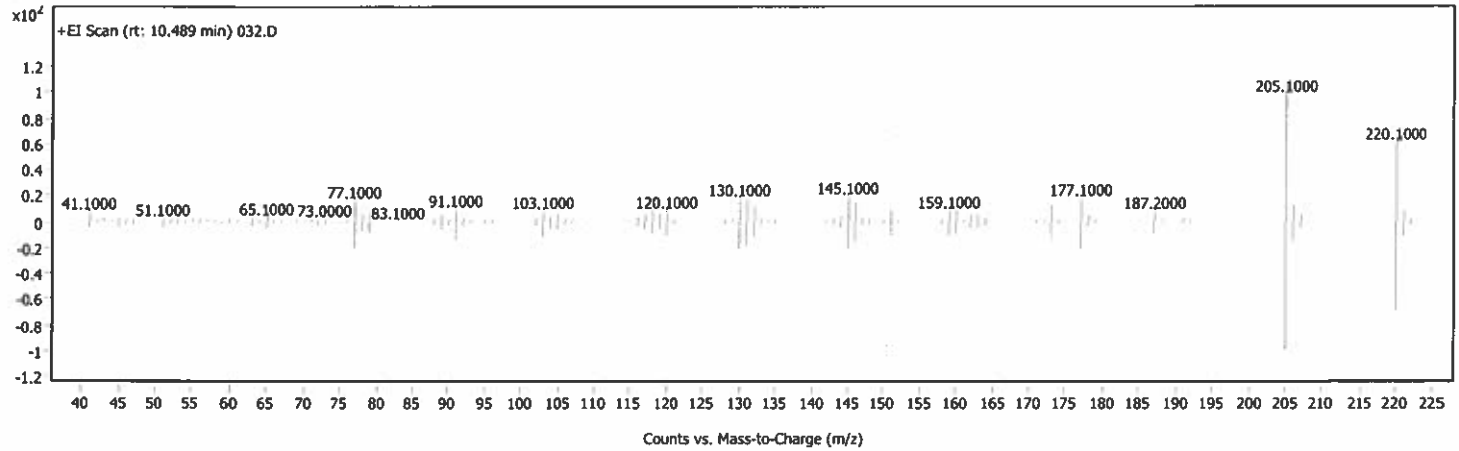
+ Scan (rt: 10.489 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	96.57	aafs.l	MATRIX 10 W/ IH CTL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

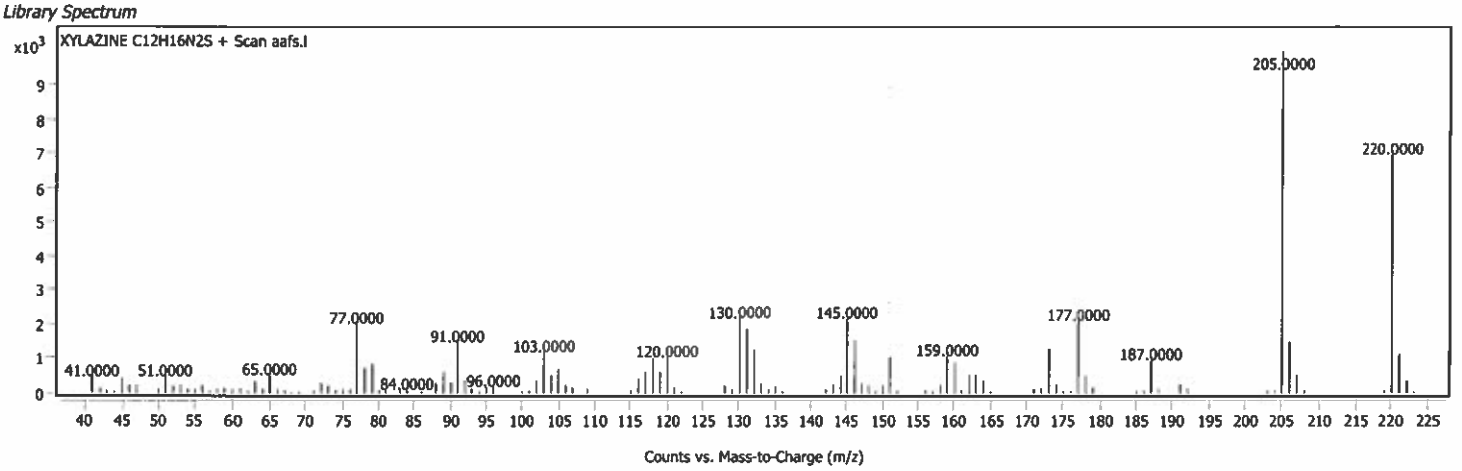
Observed Spectrum



Mirror Plot



Library Spectrum



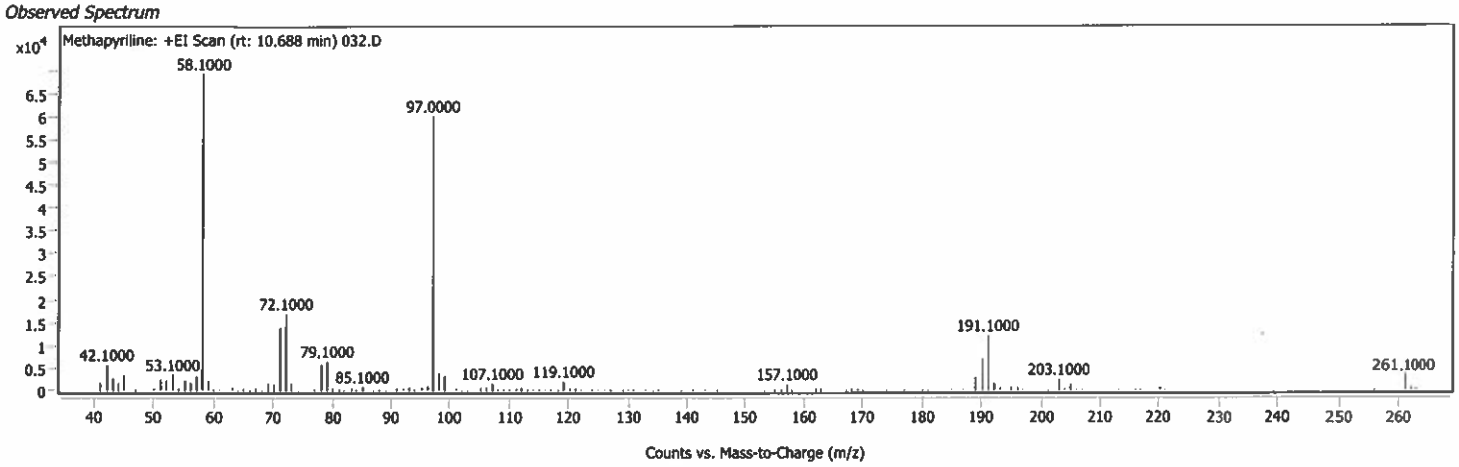
Analysis Report

Agilent

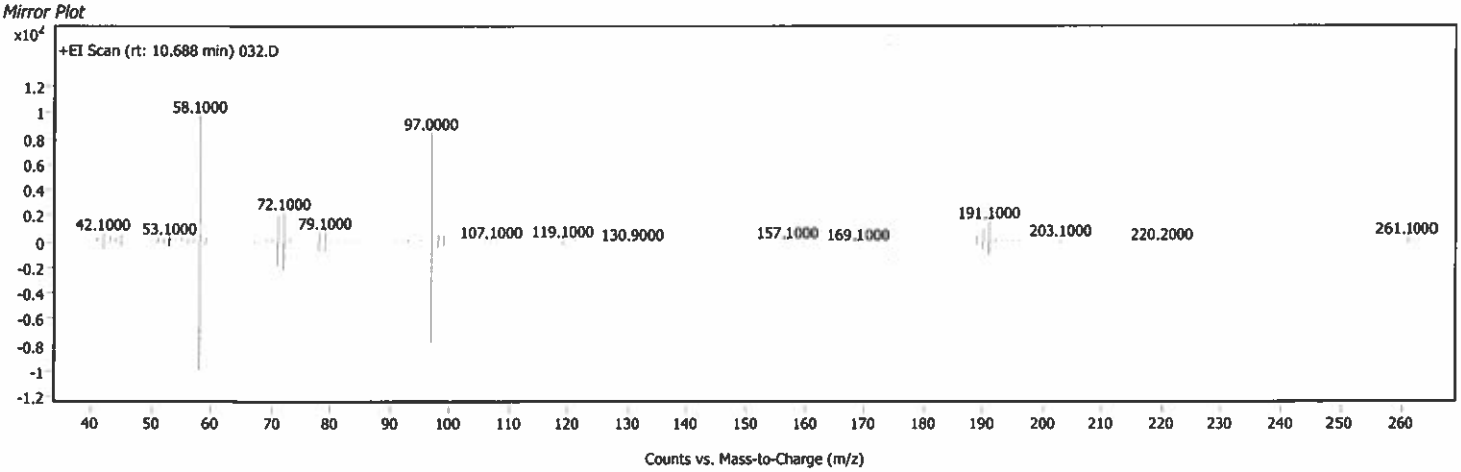
+ Scan (rt: 10.688 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	93.41	SWGDRUG 3.3.L	MATRIX 10 W/ IH CTL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

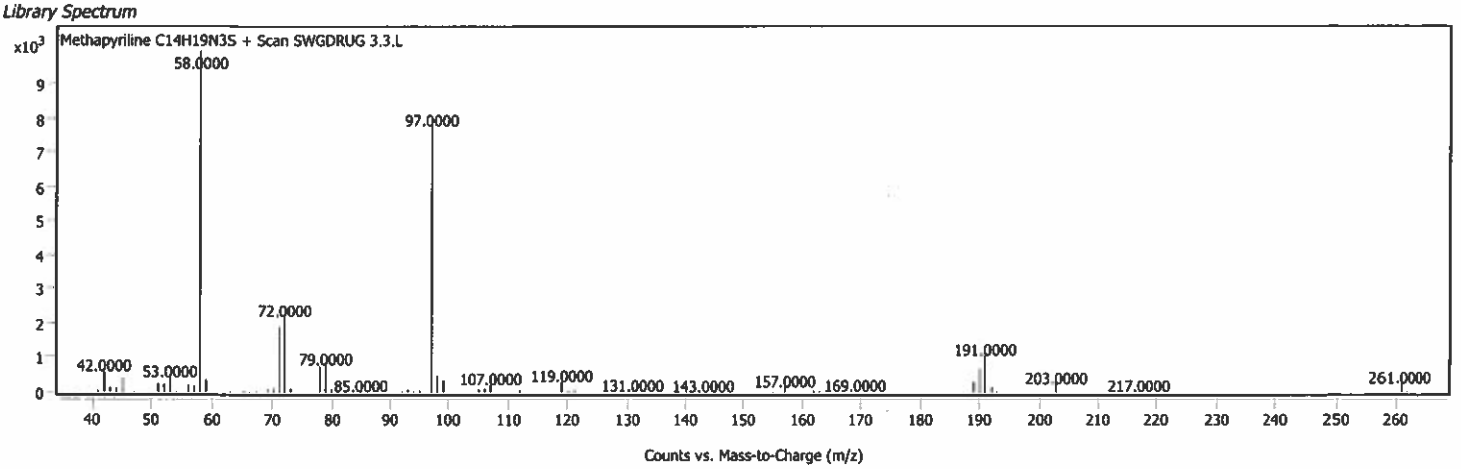
Observed Spectrum



Mirror Plot



Library Spectrum



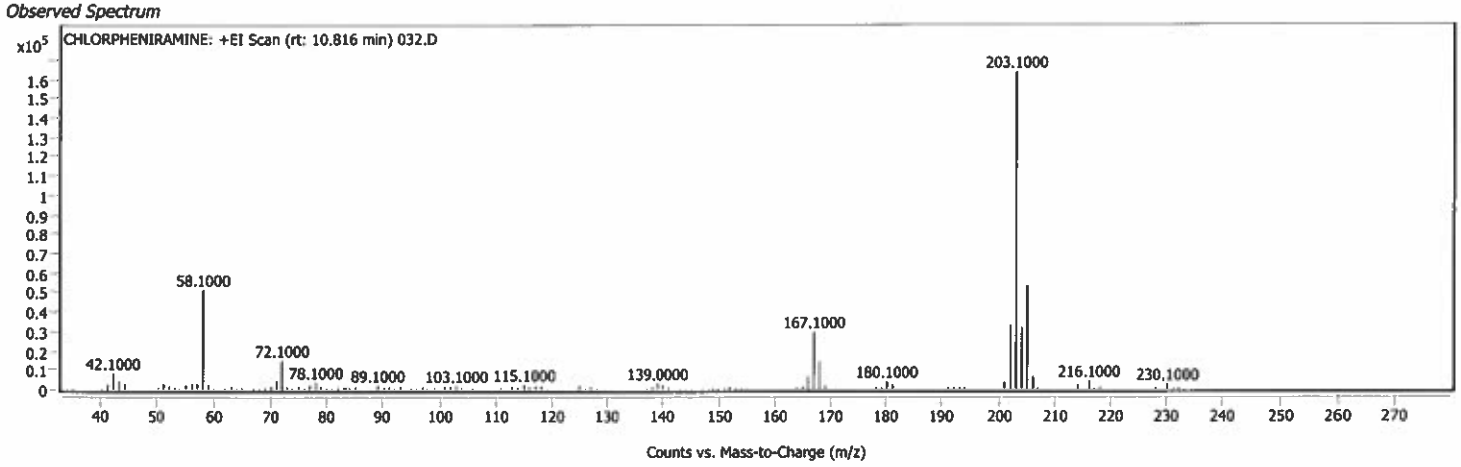
Analysis Report

Agilent

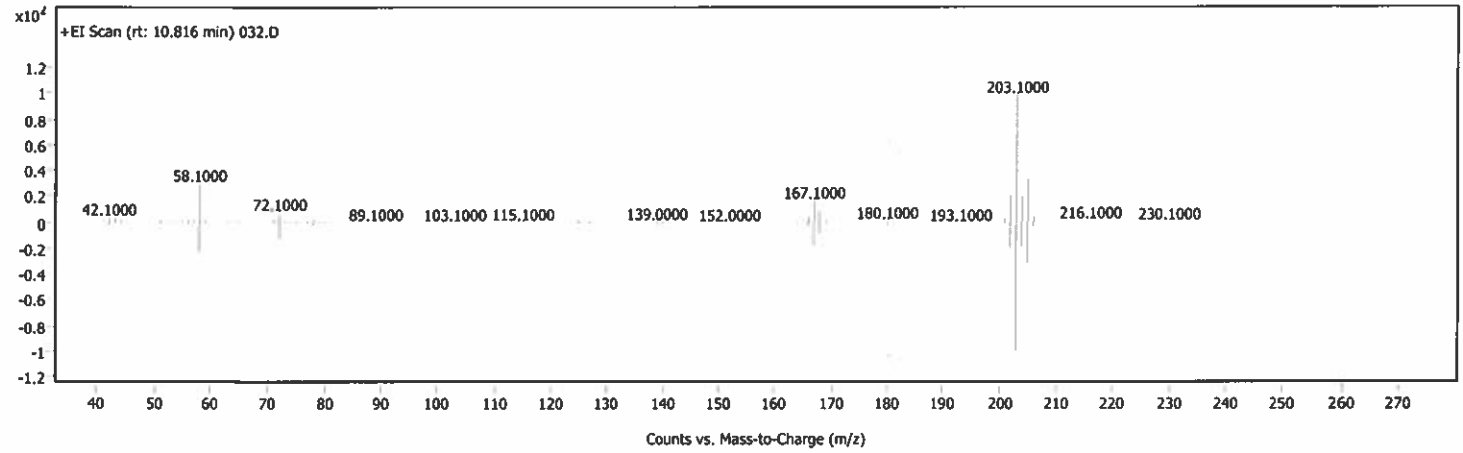
+ Scan (rt: 10.816 min) **CHLORPHENIRAMINE; C16H19ClN2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CHLORPHENIRAMINE	C16H19ClN2	97.83	aafs.l	MATRIX 10 W/ IH CTL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

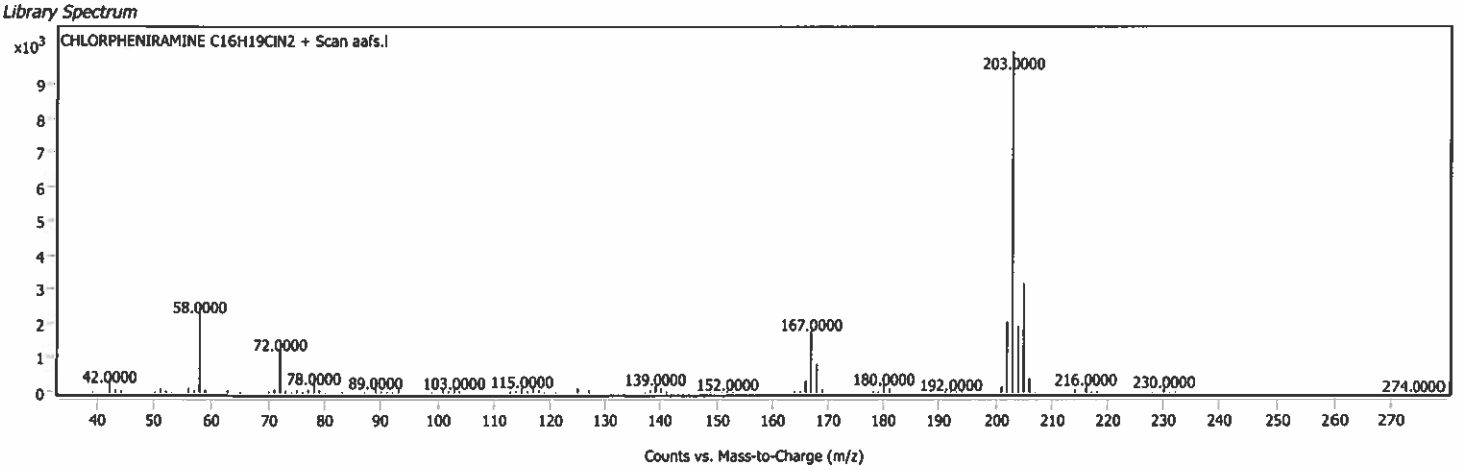
Observed Spectrum



Mirror Plot



Library Spectrum



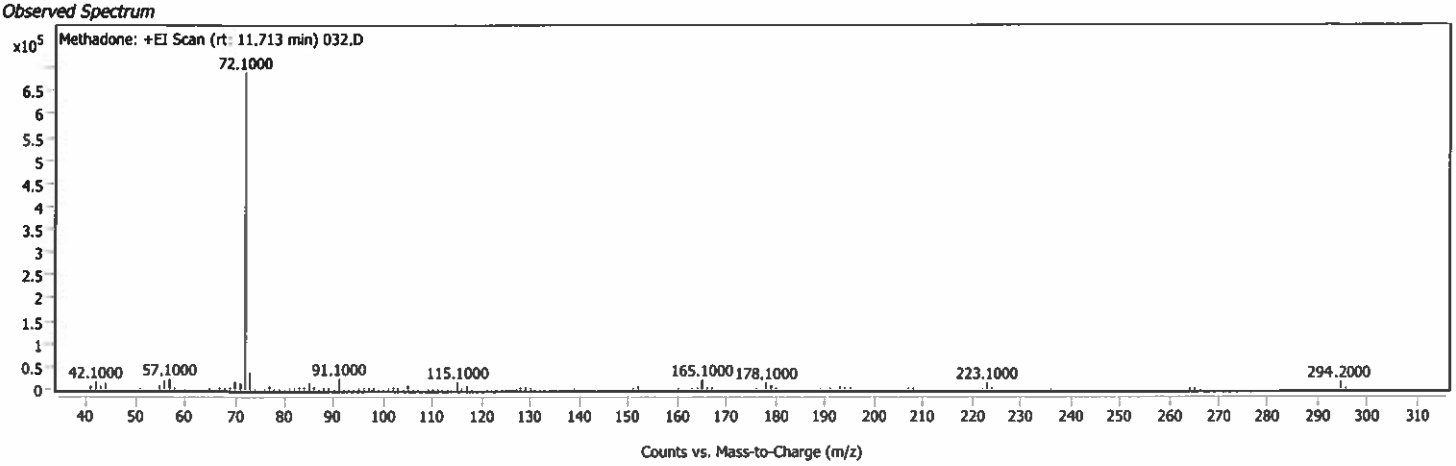
Analysis Report

Agilent

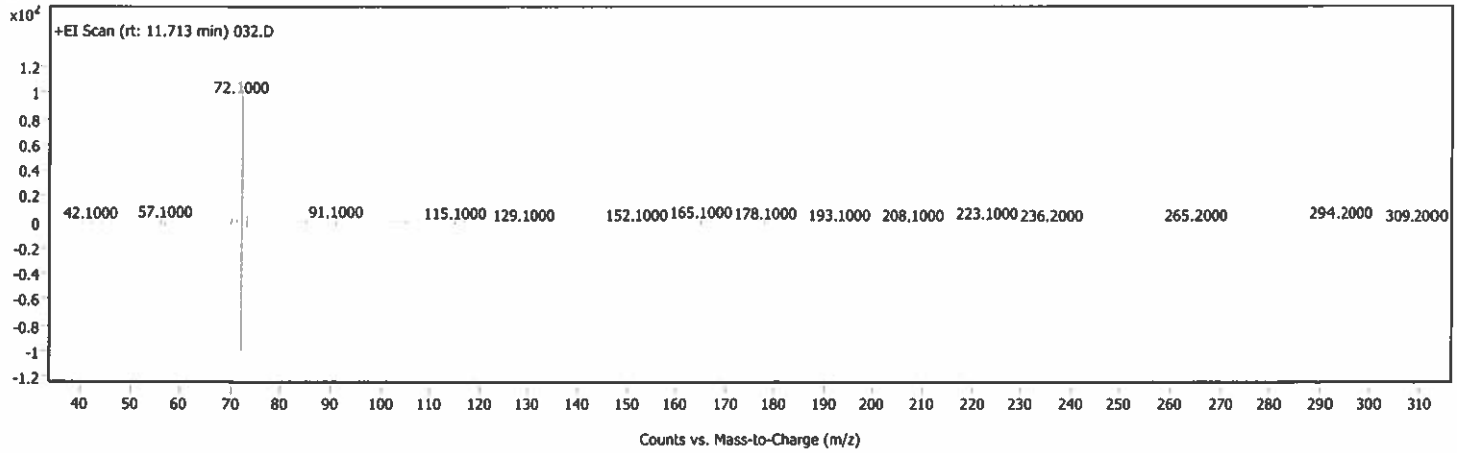
+ Scan (rt: 11.713 min) **Methadone; C21H27NO**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methadone	C21H27NO	92.80	SWGDRUG 3.3.L	MATRIX 10 W/ IH CTL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

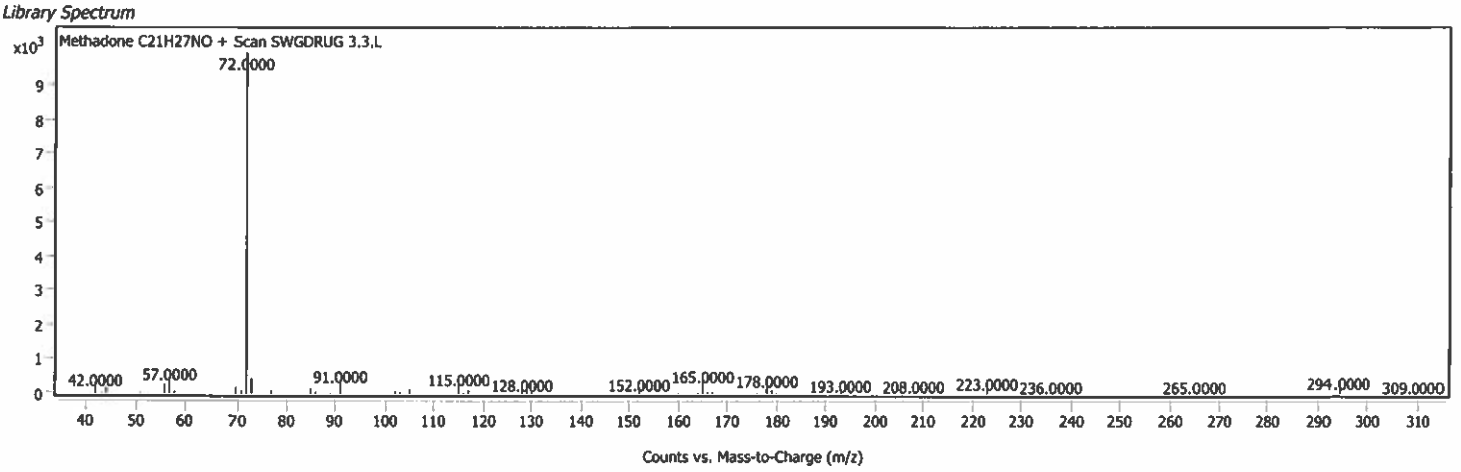
Observed Spectrum



Mirror Plot



Library Spectrum



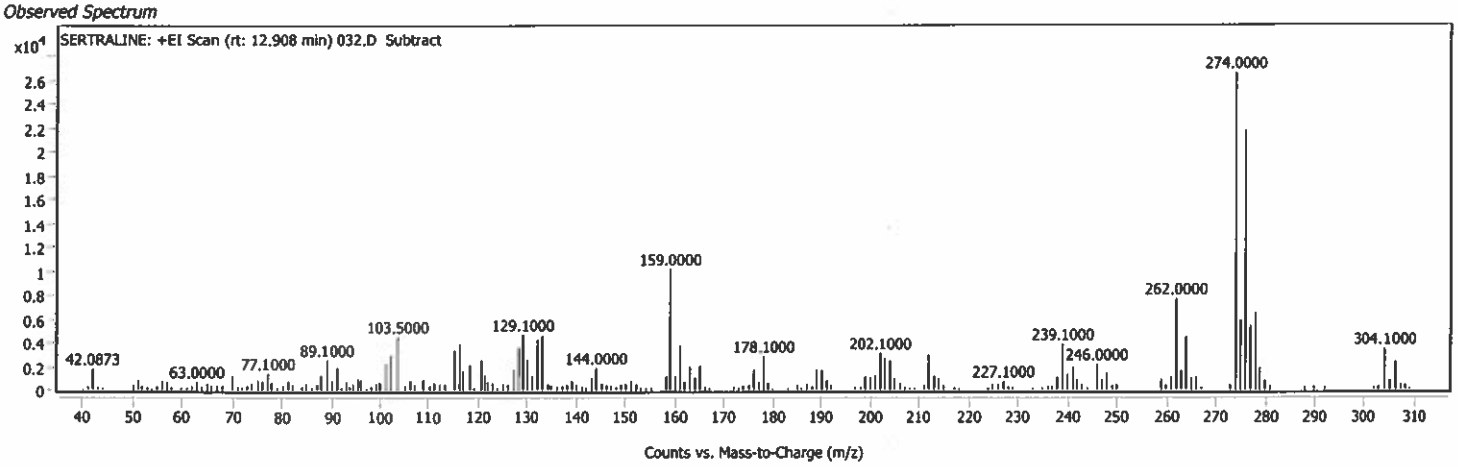
Analysis Report

Agilent

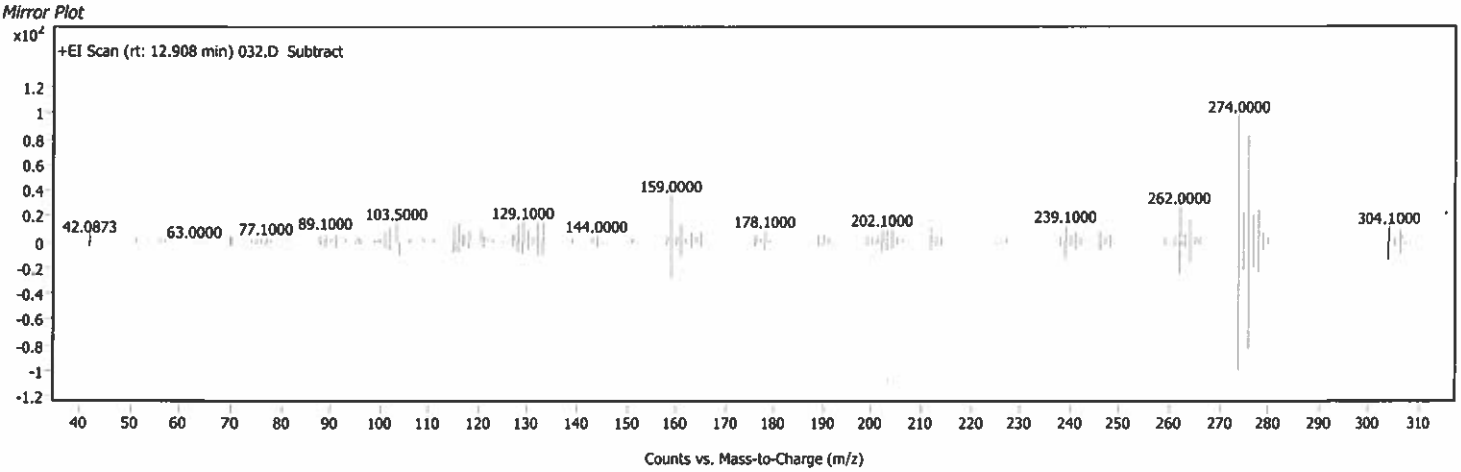
+ Scan (rt: 12.908 min) Sub **SERTRALINE; C17H17Cl2N**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
SERTRALINE	C17H17Cl2N	90.42	aafs.l	MATRIX 10 W/ IH CTL + XYLAZINE - LVR	KM/QC DATA IN XYLAZINE VALIDATION

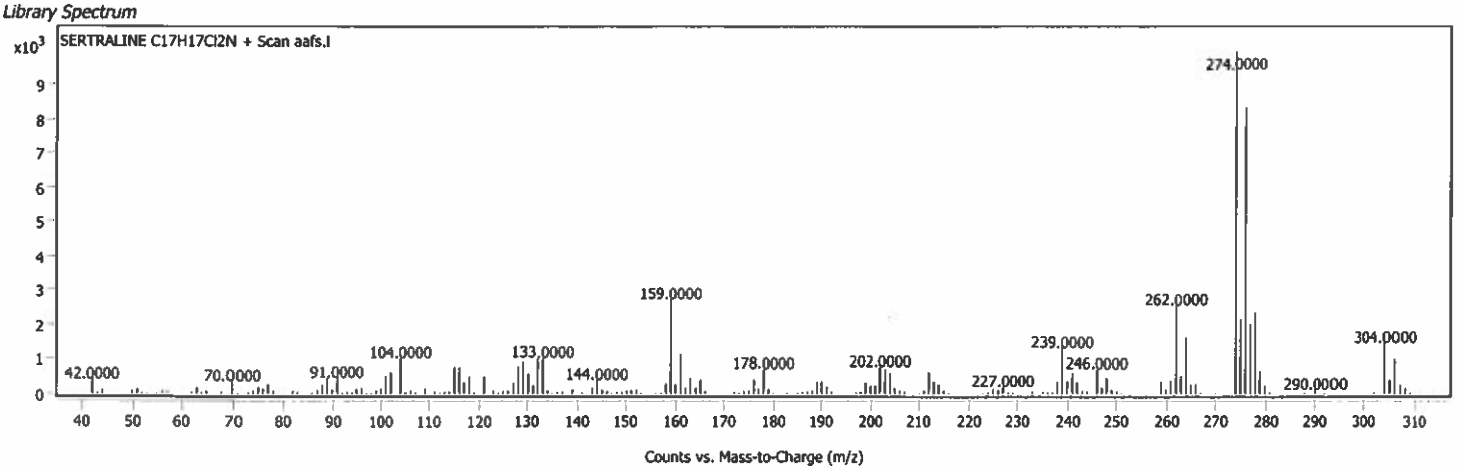
Observed Spectrum



Mirror Plot

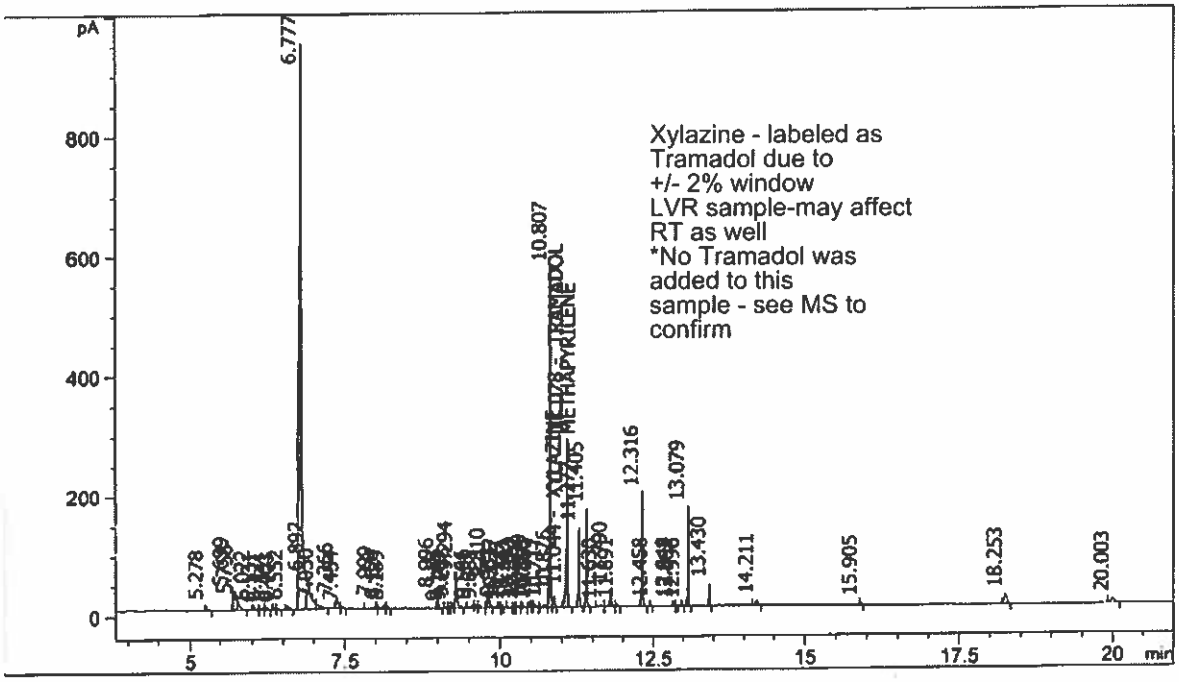


Library Spectrum



Injection Date: 9/29/2021 3:56:40 AM Seq Line: 36
Sample Name: MATRIX 10 W/ IH CTL +-> Vial 37
Sample Info: xylazine KM 1/17/22

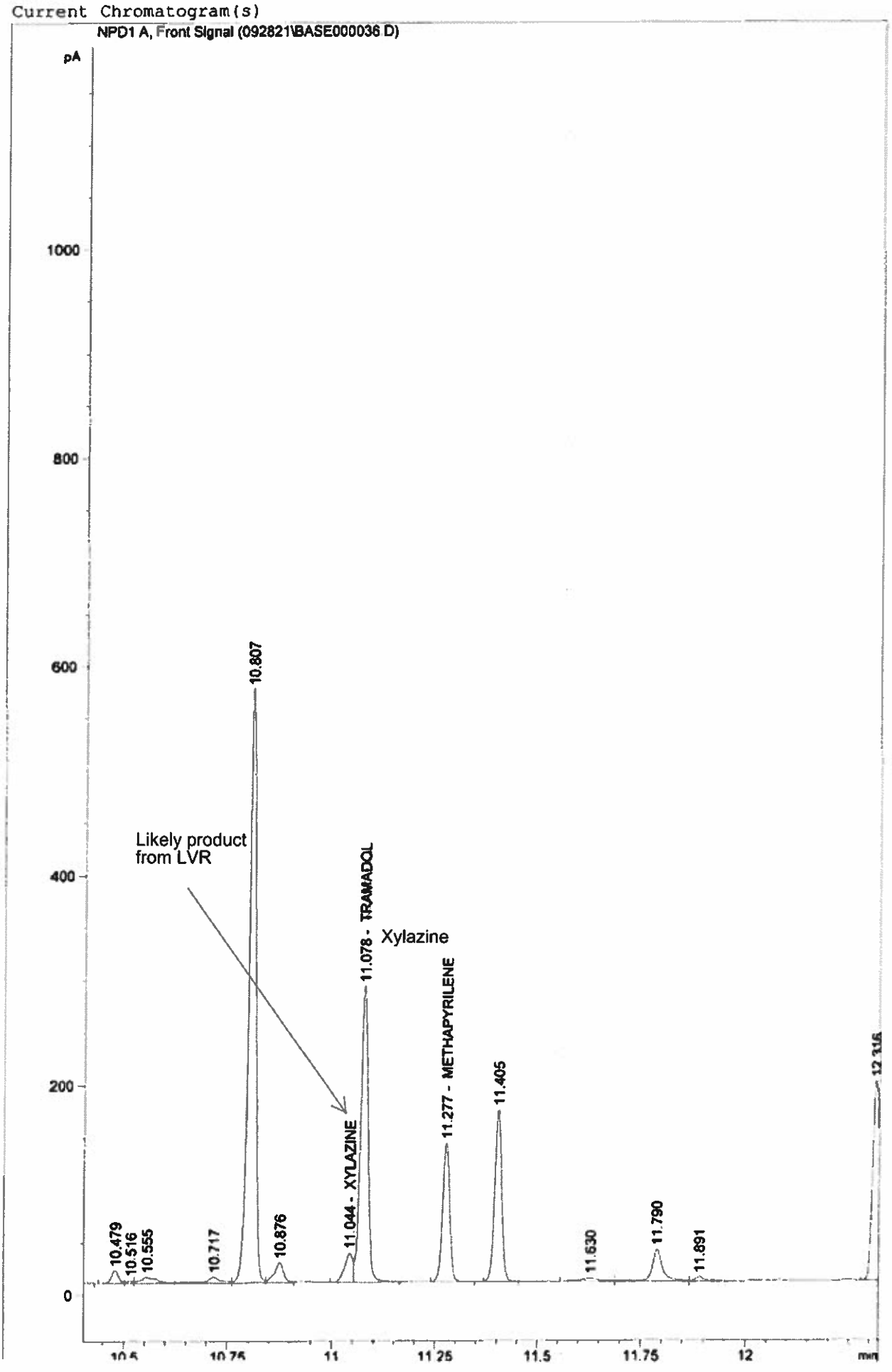
Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



see expanded chromatogram on following page

RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
11.044	11.046	37.204	27.497	0.000000	XYLAZINE
11.078	11.033	350.607	281.564	0.000000	TRAMADOL RRT - 0.9824
11.277	11.278	161.030	132.303	1.000000	METHAPYRILENE

LVR sample not included in average RRTs


Current Chromatogram(s)
NPD1 A, Front Signal (092821\BASE000036.D)
pA
1000
800
600
400
200
0
10.479
10.516
10.555
10.717
10.807
10.876
11.044 - XYLAZINE
11.078 - TRAMADOL
11.277 - METHAPYRILENE
11.405
11.630
11.790
11.891
12.316
Likely product from LVR
Xylazine
10.5
10.75
11
11.25
11.5
11.75
12
min

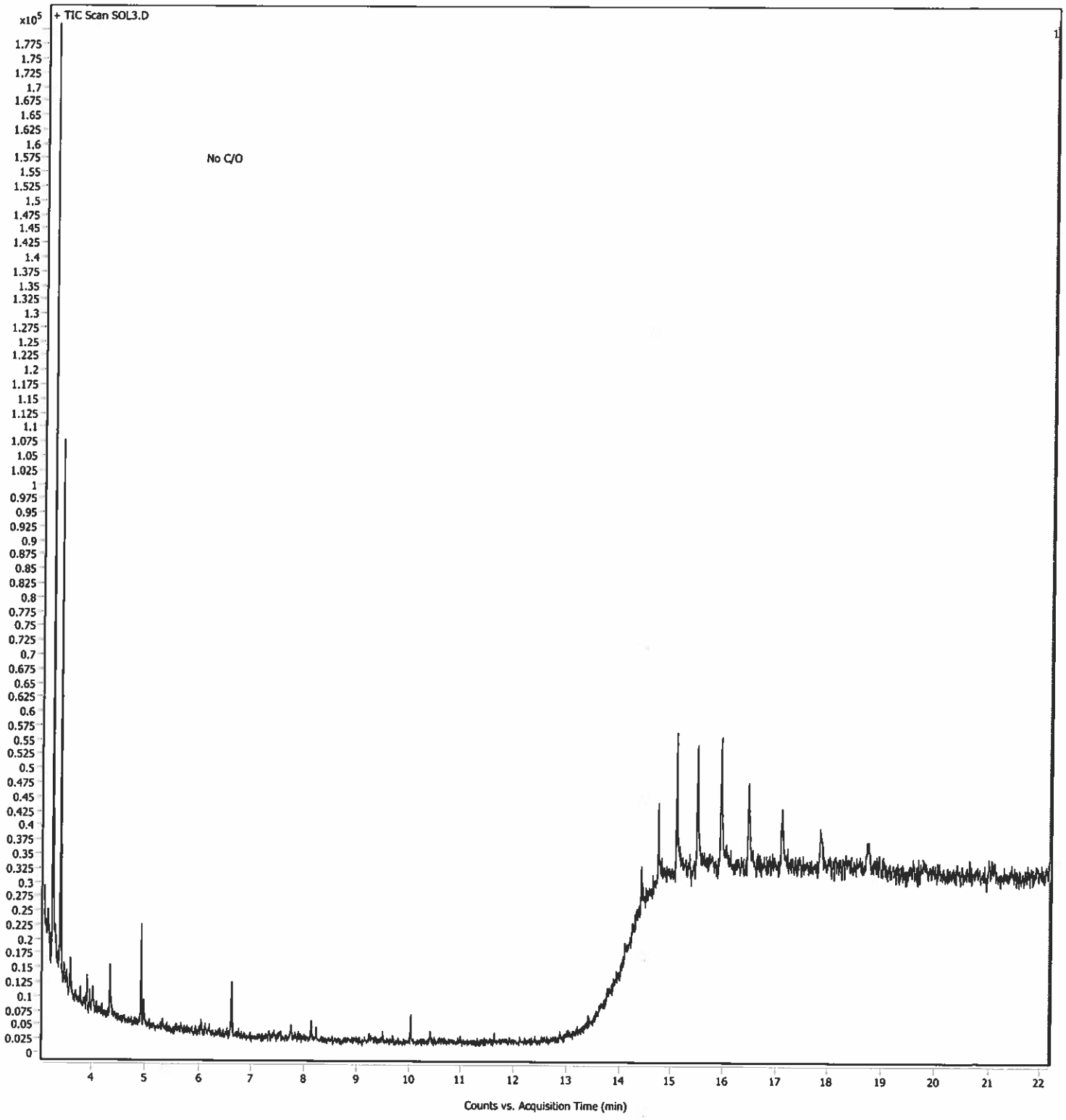
Analysis Report

Agilent

Sample Information

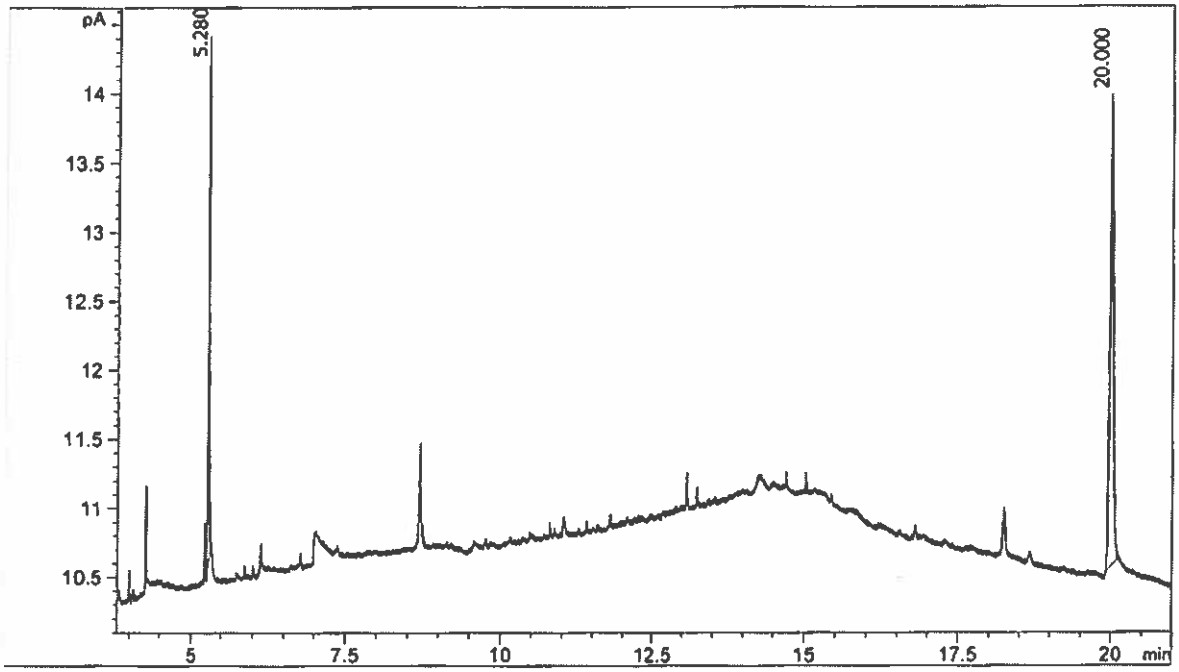
Sample Name	Solvent Blank 3	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\SOL3.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 4:44:48 AM (UTC-04:00)
Position	62	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Injection Date: 9/29/2021 4:21:01 AM Seq Line: 37
Sample Name: SOLVENT BLANK 3 Vial 38
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

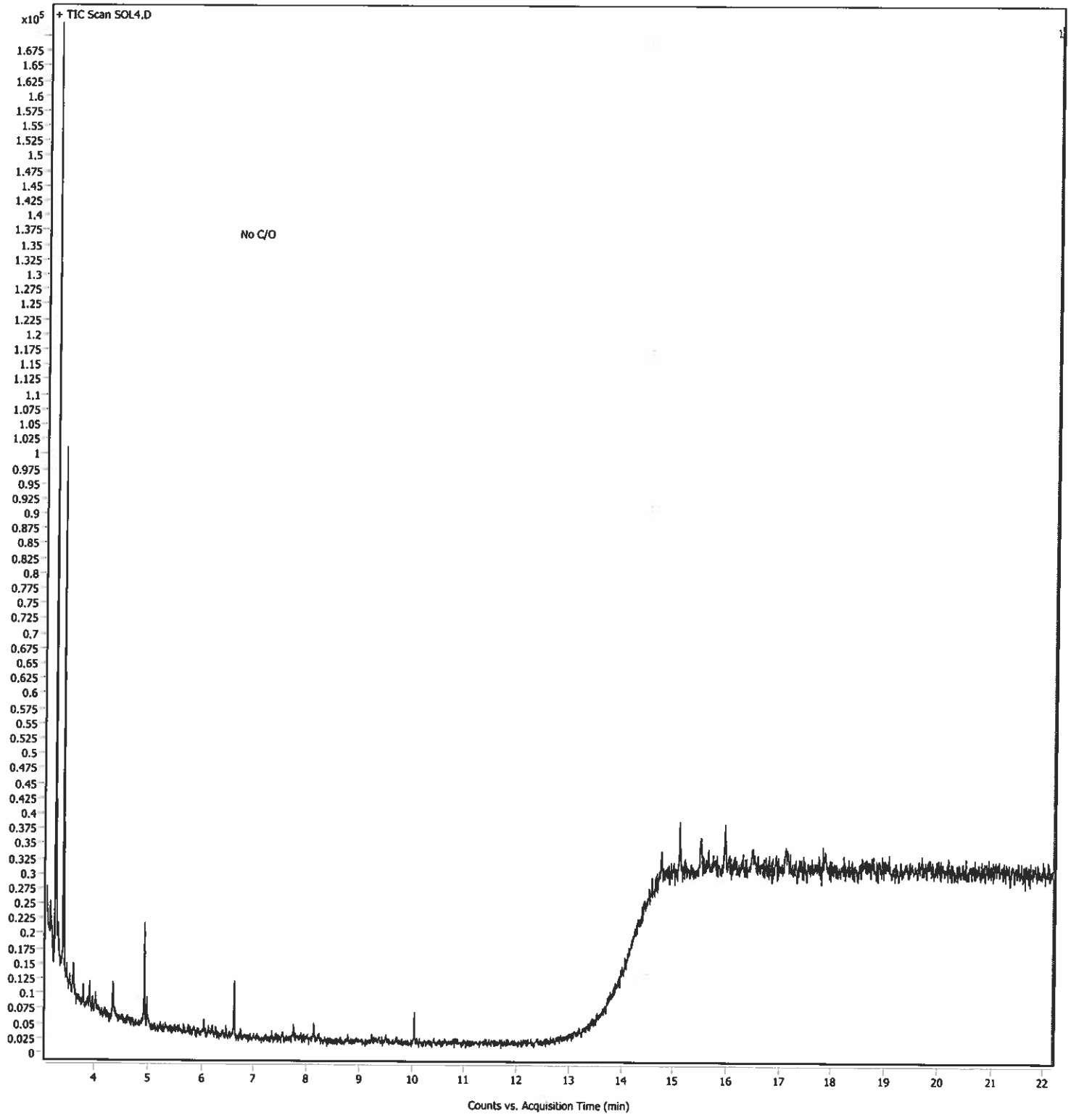
Analysis Report

Agilent

Sample Information

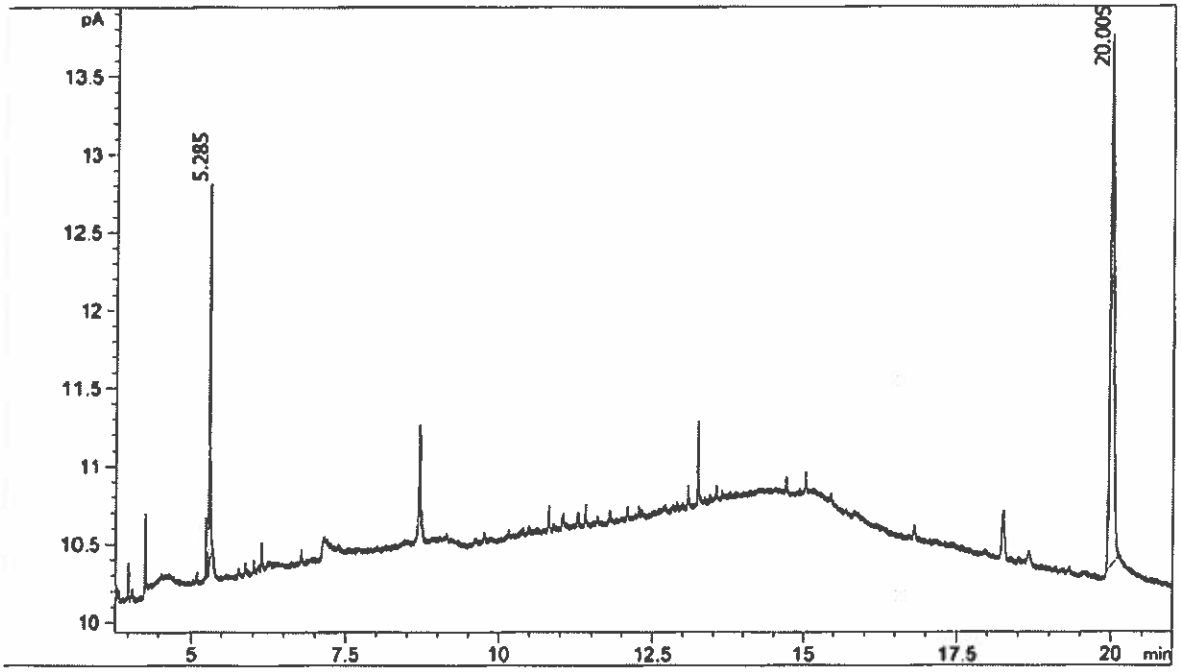
Sample Name	Solvent Blank 4	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\SOL4.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/29/2021 5:10:36 AM (UTC-04:00)
Position	63	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Injection Date: 9/29/2021 4:45:16 AM Seq Line: 38
Sample Name: SOLVENT BLANK 4 Vial 39
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

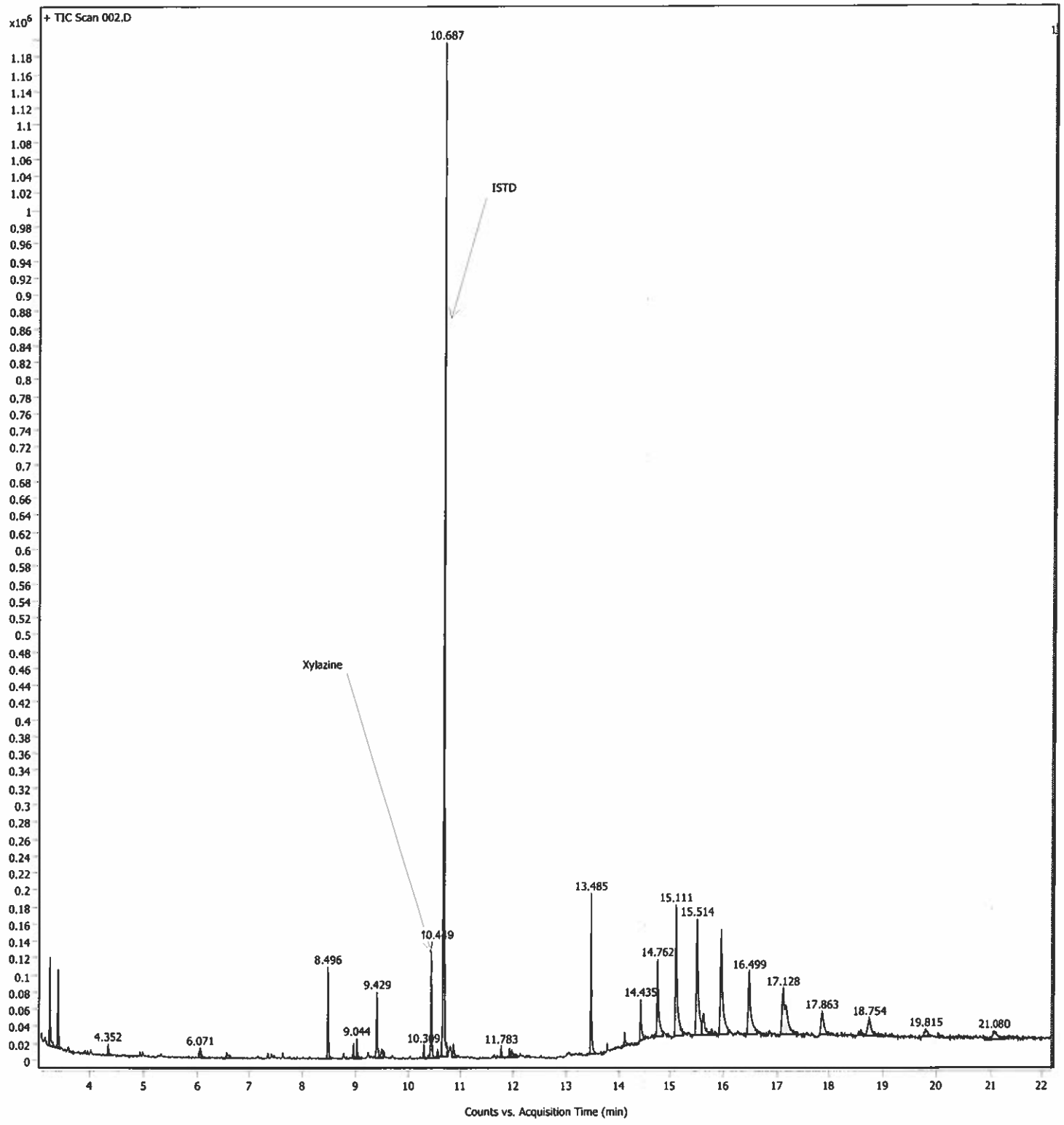
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2 0.10 mg/L - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\002.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 2:06:40 PM (UTC-04:00)
Position	28	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

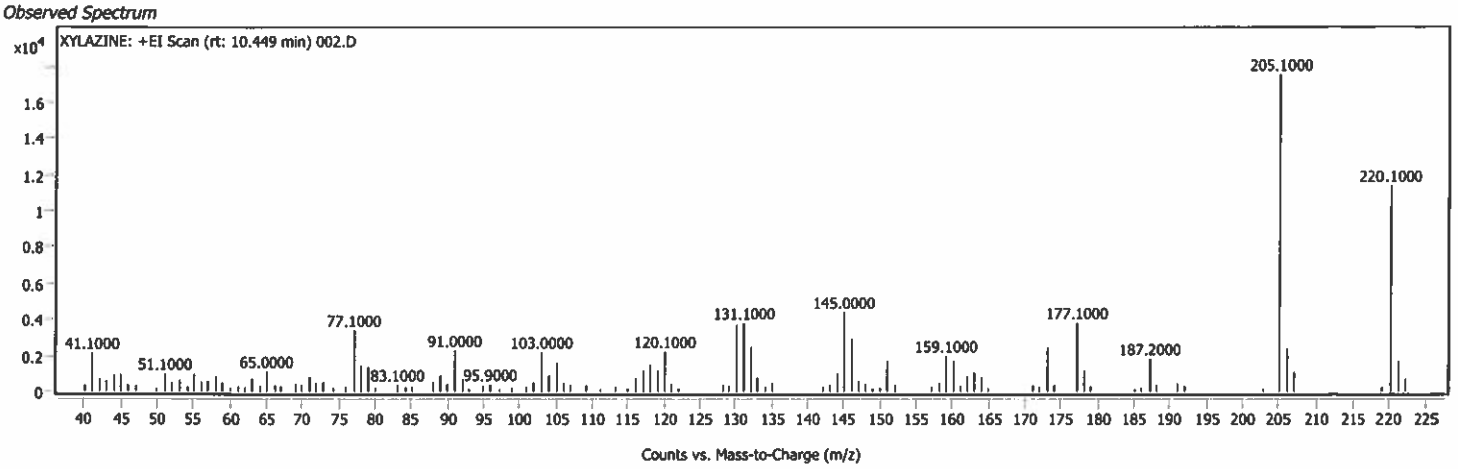
Agilent

Sample Spectra

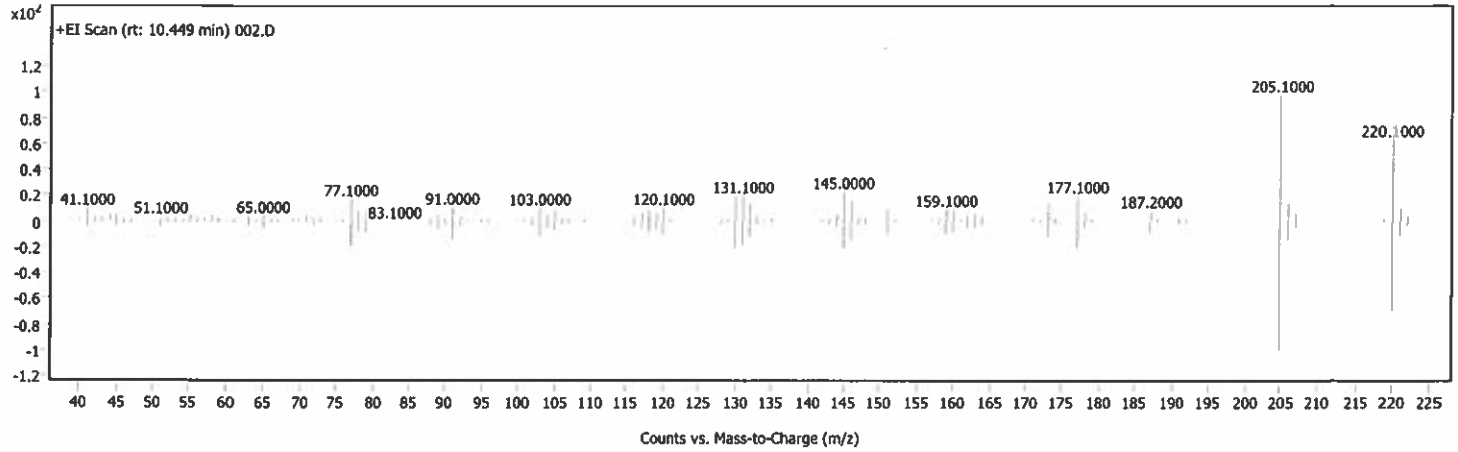
+ Scan (rt: 10.449 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	95.79	aafs.l	MATRIX 2 0.10 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

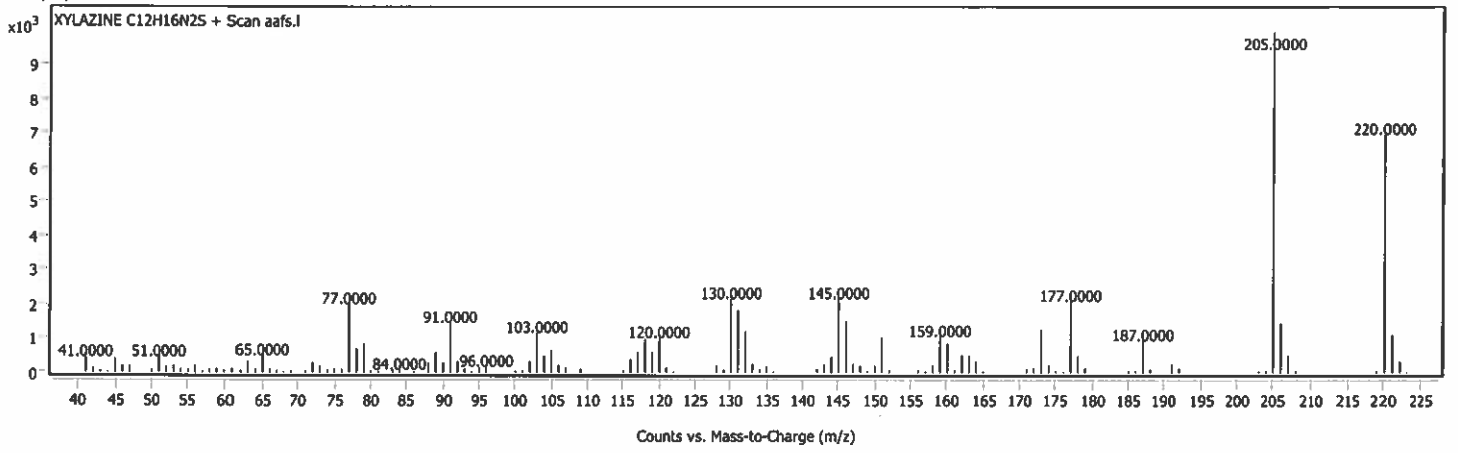
Observed Spectrum



Mirror Plot



Library Spectrum



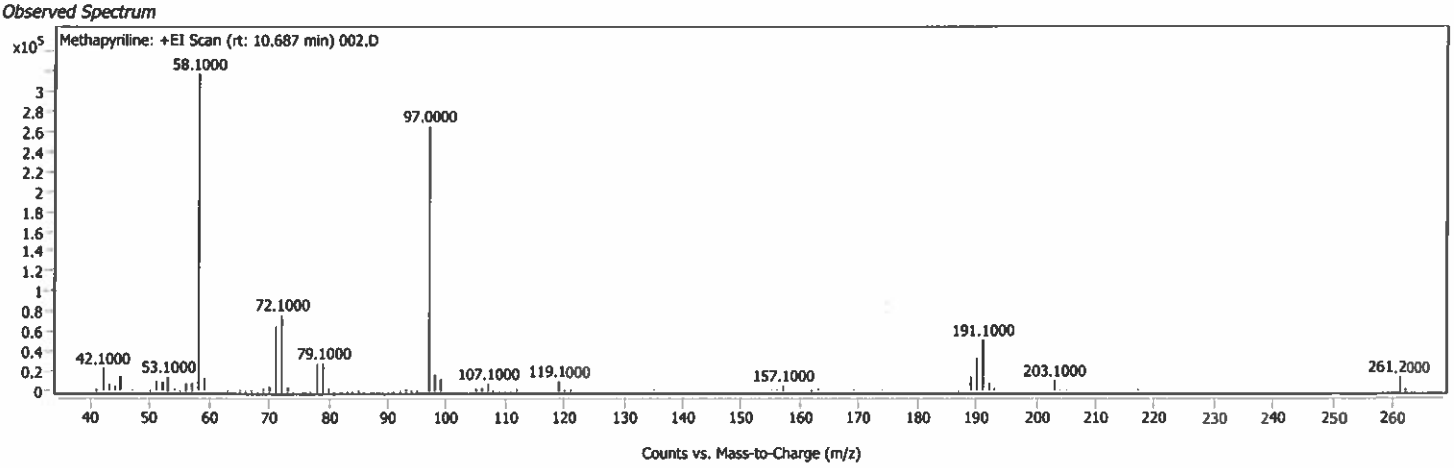
Analysis Report

Agilent

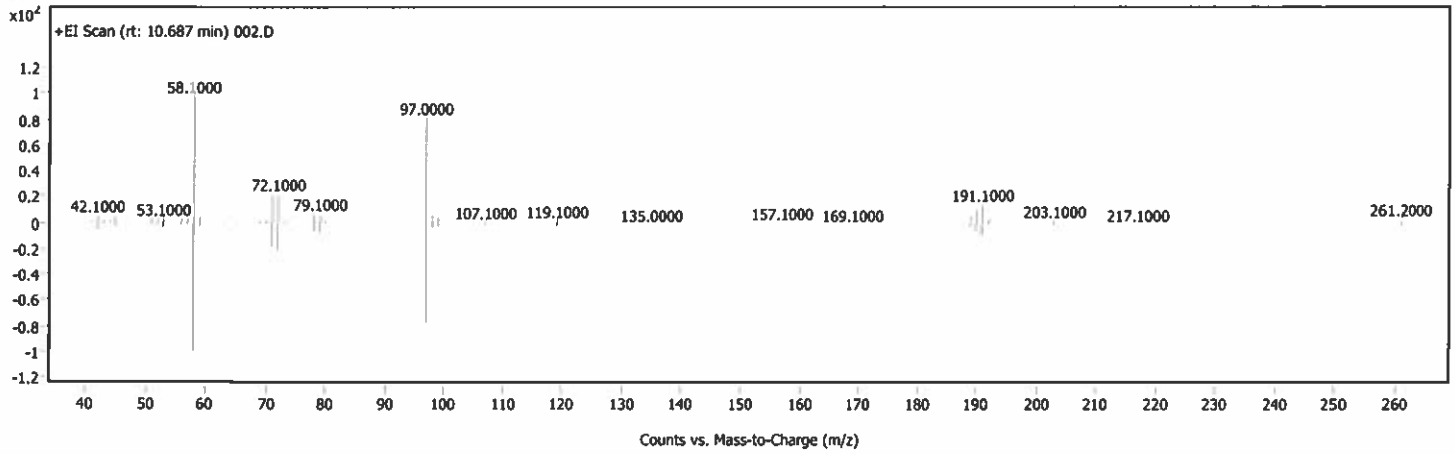
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.83	SWGDRUG 3.3.L	MATRIX 2 0.10 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

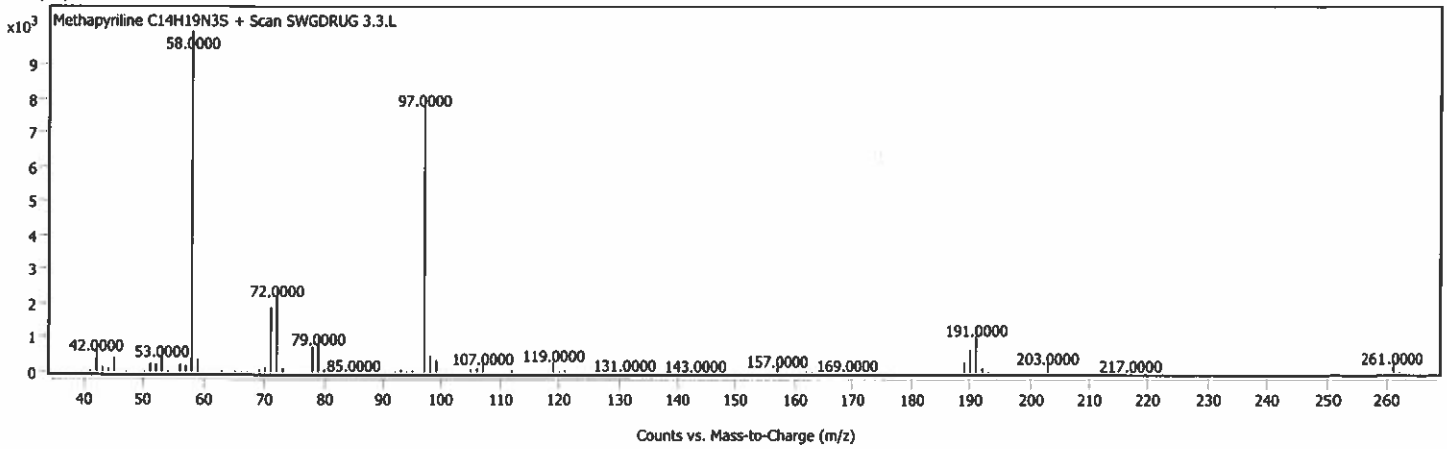
Observed Spectrum



Mirror Plot

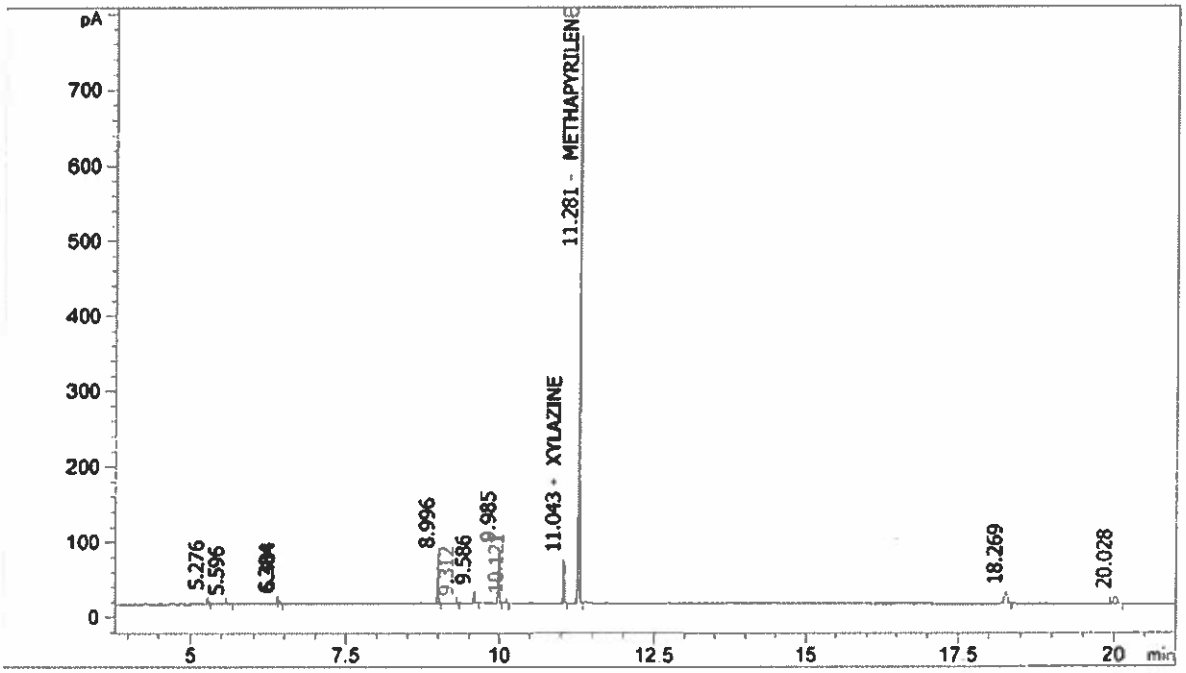


Library Spectrum



Injection Date: 9/28/2021 2:34:07 PM Seq Line: 3
Sample Name: MATRIX 2 0.10 mg/L - -> Vial 3
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.043	11.046	70.356	58.838	0.000000	XYLAZINE RRT - 0.9789
11.281	11.278	890.595	749.848	1.000000	METHAPYRILENE

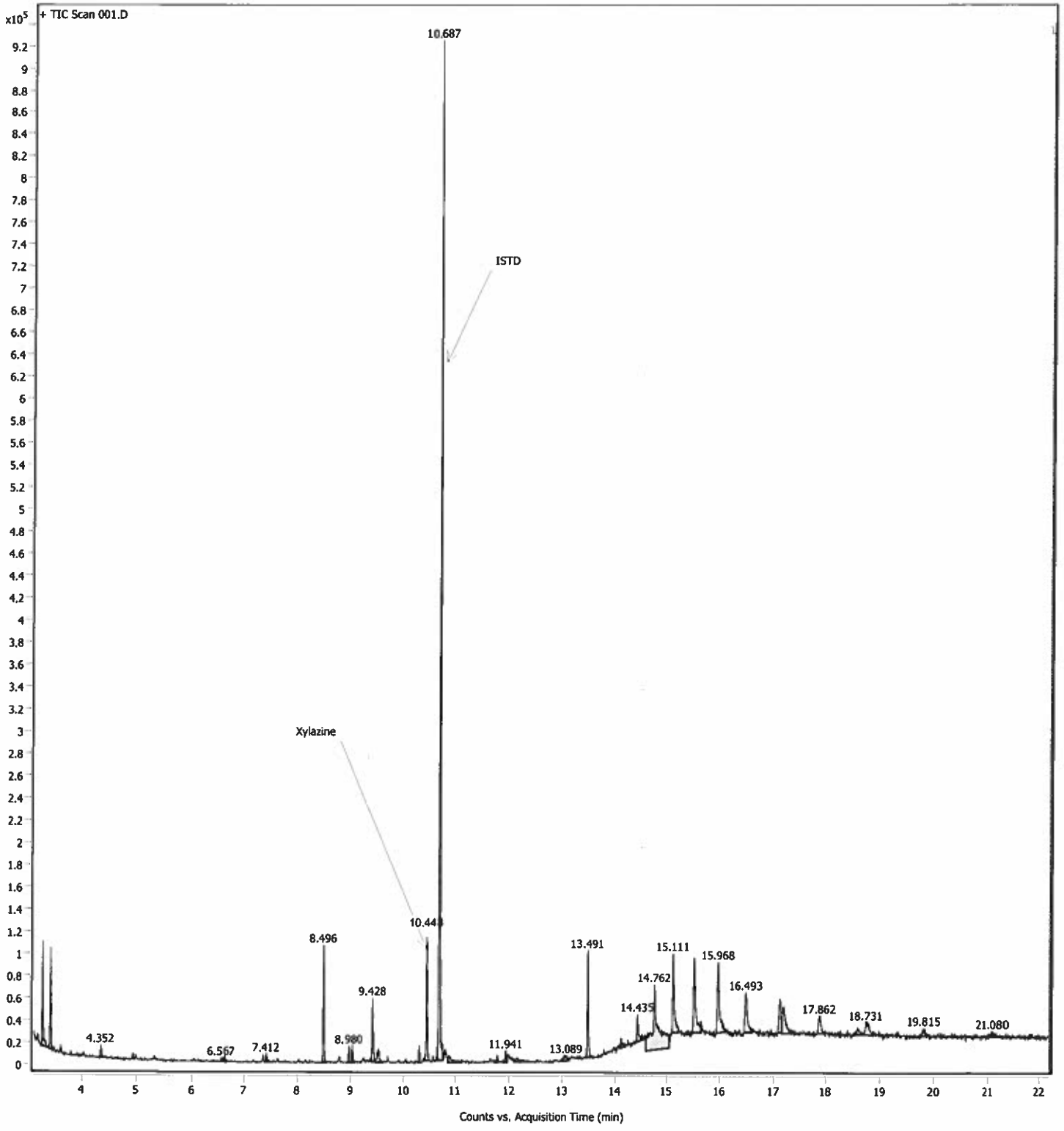
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 0.10 mg/L - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\001.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 1:40:54 PM (UTC-04:00)
Position	27	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

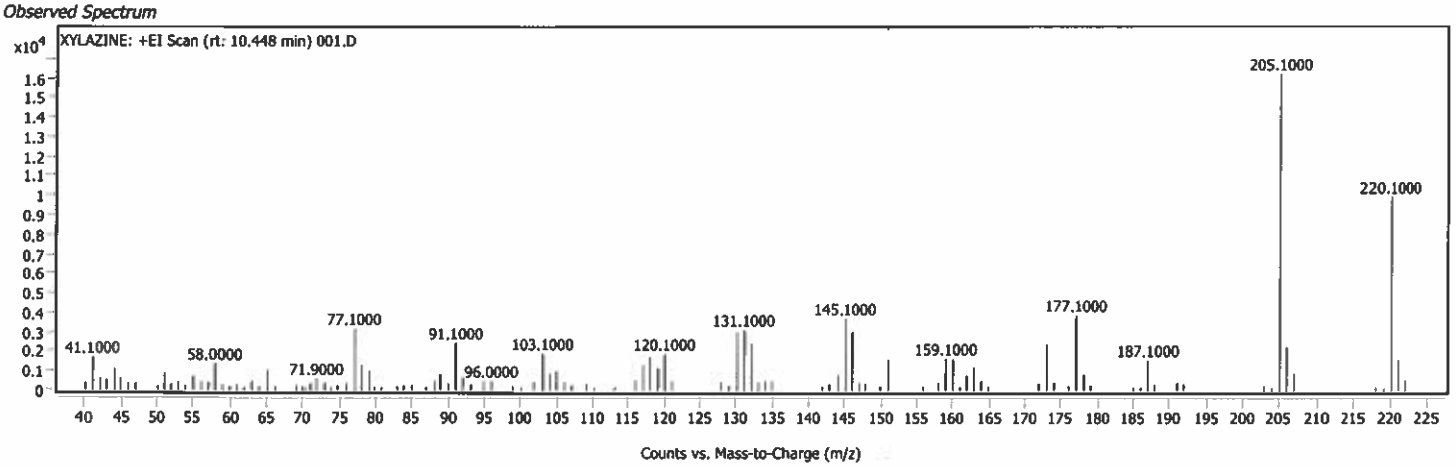
Agilent

Sample Spectra

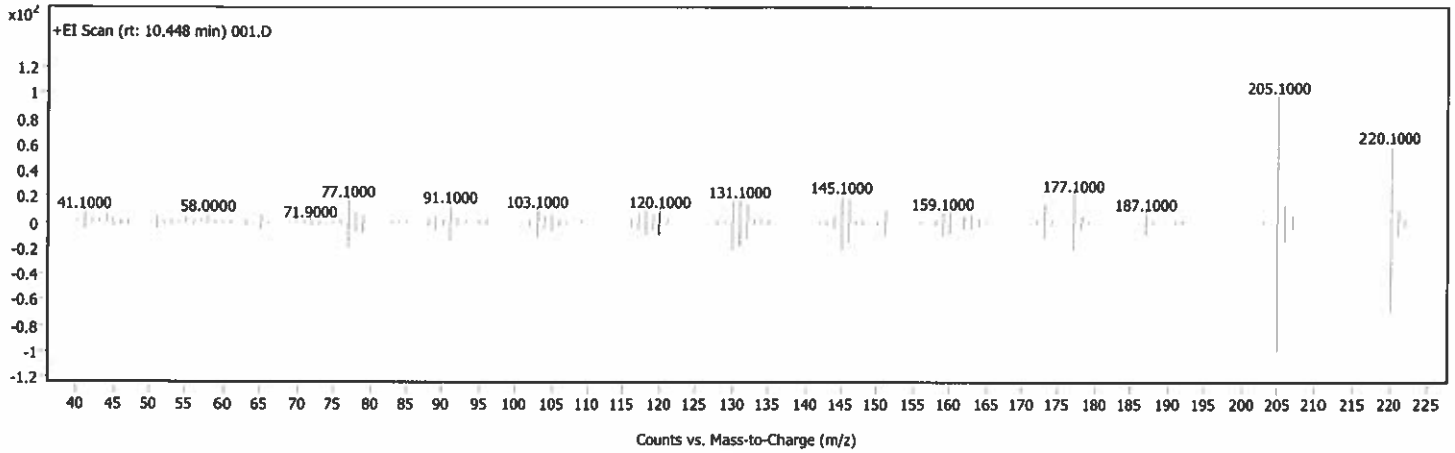
+ Scan (rt: 10.448 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	95.94	aafs.l	MATRIX 1 0.10 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

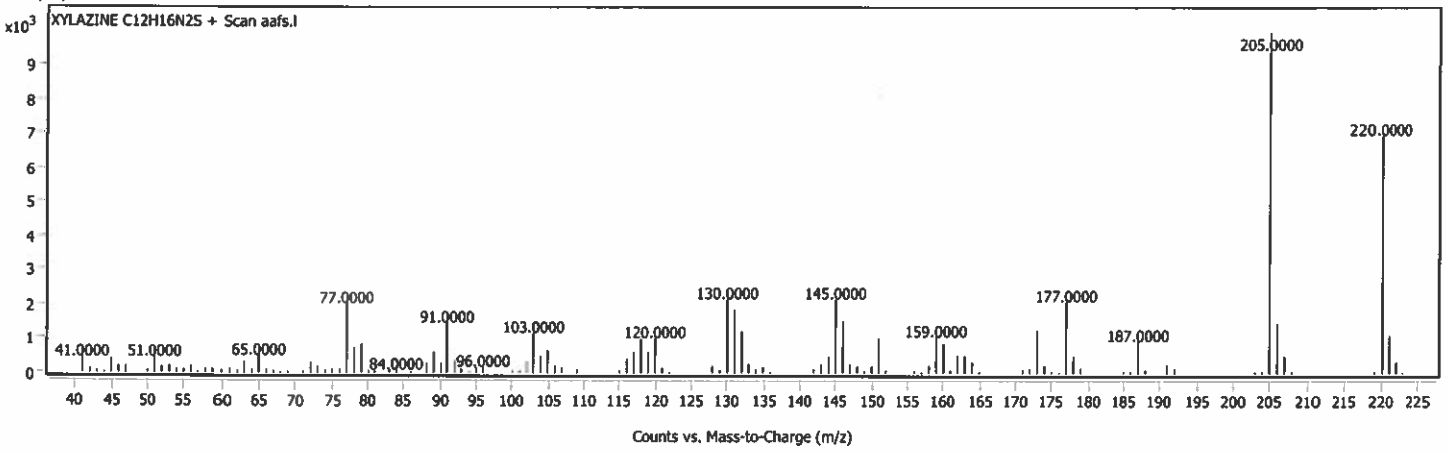
Observed Spectrum



Mirror Plot



Library Spectrum



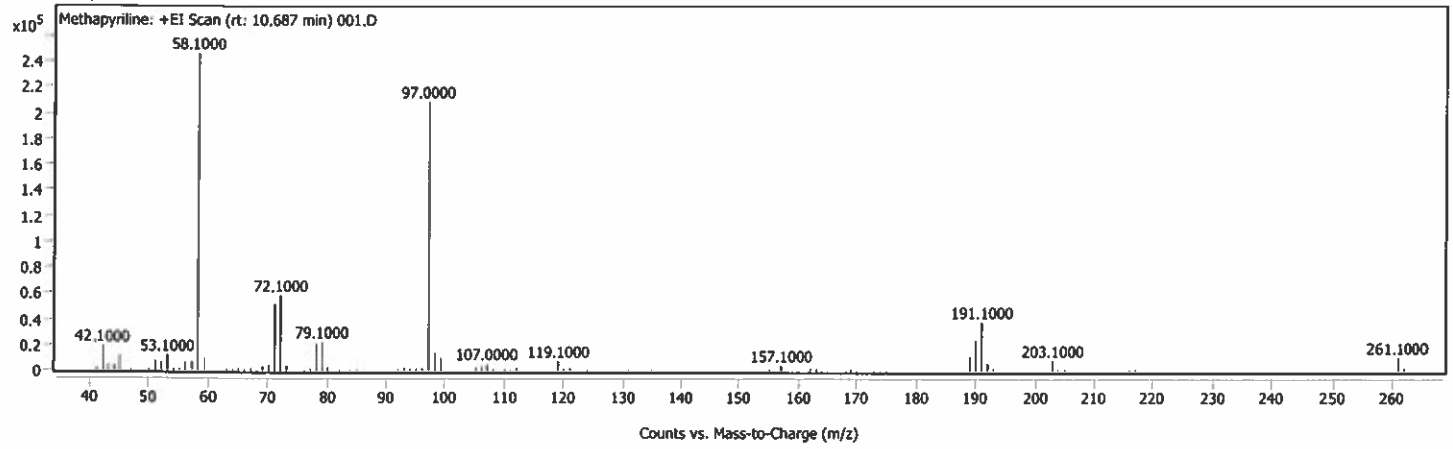
Analysis Report

Agilent

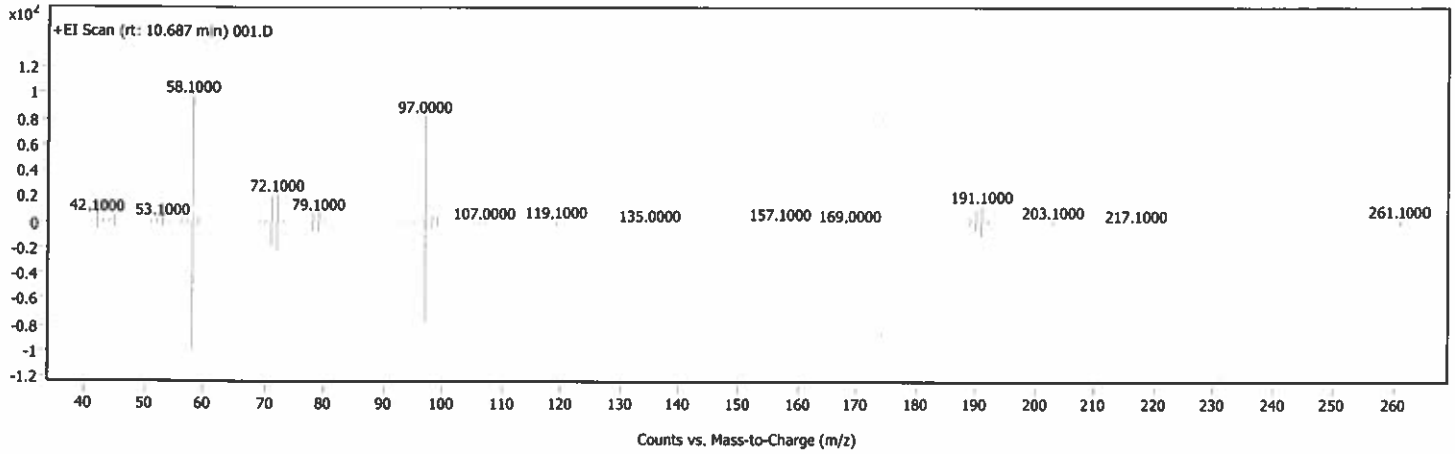
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.73	SWGDRUG 3.3.L	MATRIX 1 0.10 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

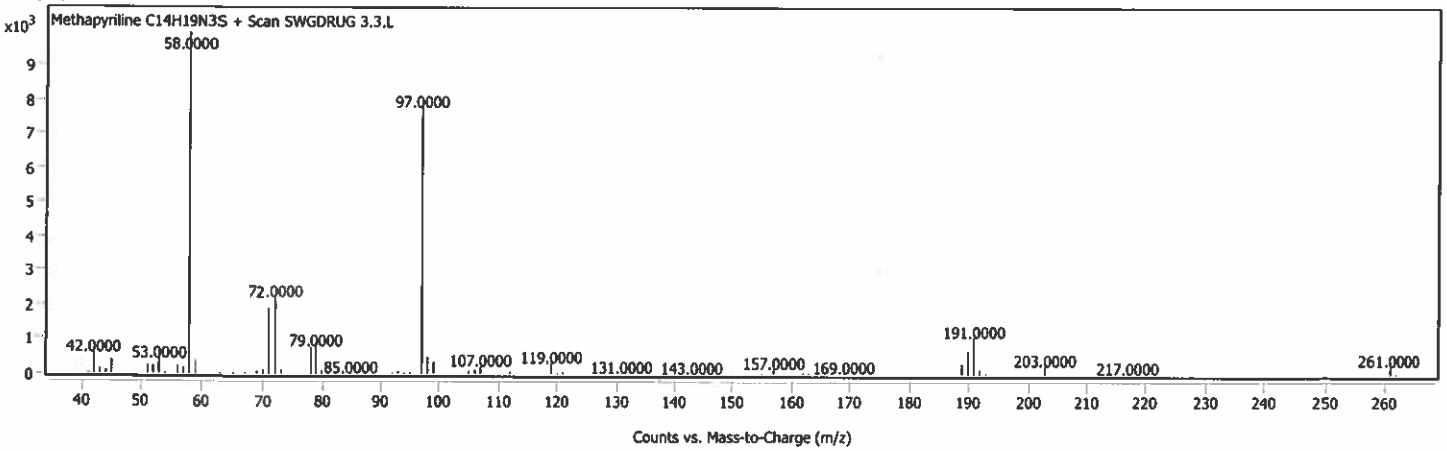
Observed Spectrum



Mirror Plot

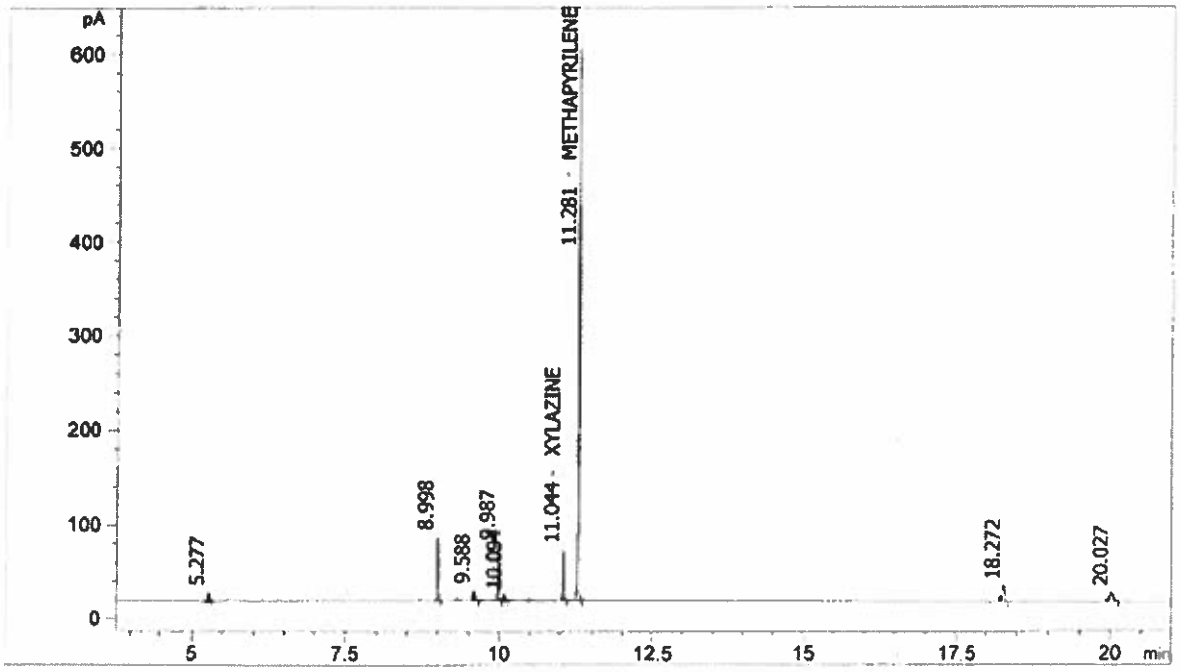


Library Spectrum



Injection Date: 9/28/2021 2:09:50 PM Seq Line: 2
Sample Name: MATRIX 1 0.10 mg/L - -> Vial 2
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.044	11.046	66.004	54.125	0.000000	XYLAZINE RRT - 0.9790
11.281	11.278	695.777	596.023	1.000000	METHAPYRILENE

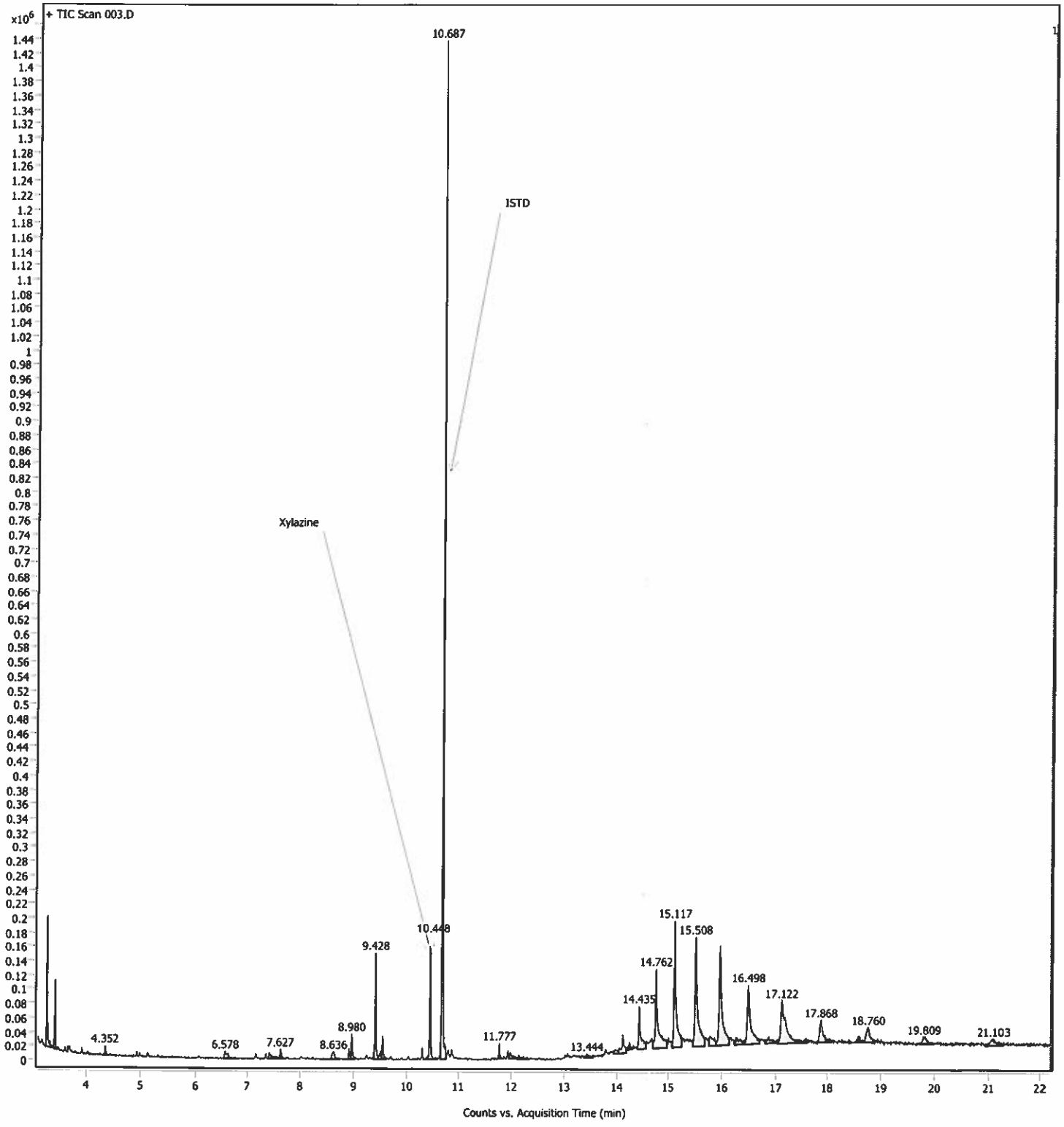
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 0.10 mg/L - URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\003.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 2:32:32 PM (UTC-04:00)
Position	29	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

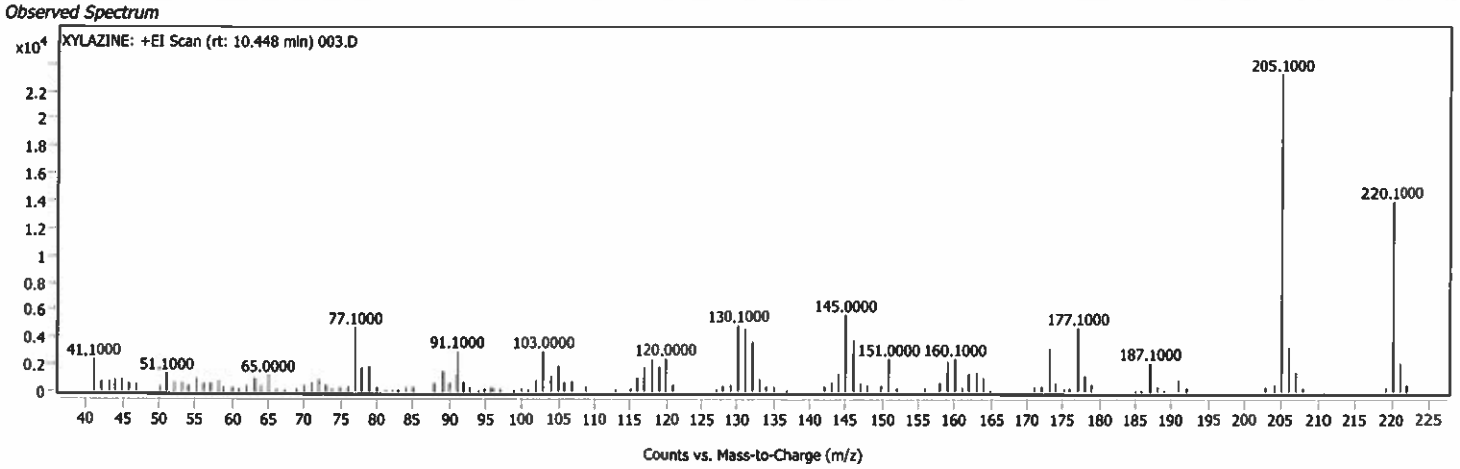
Agilent

Sample Spectra

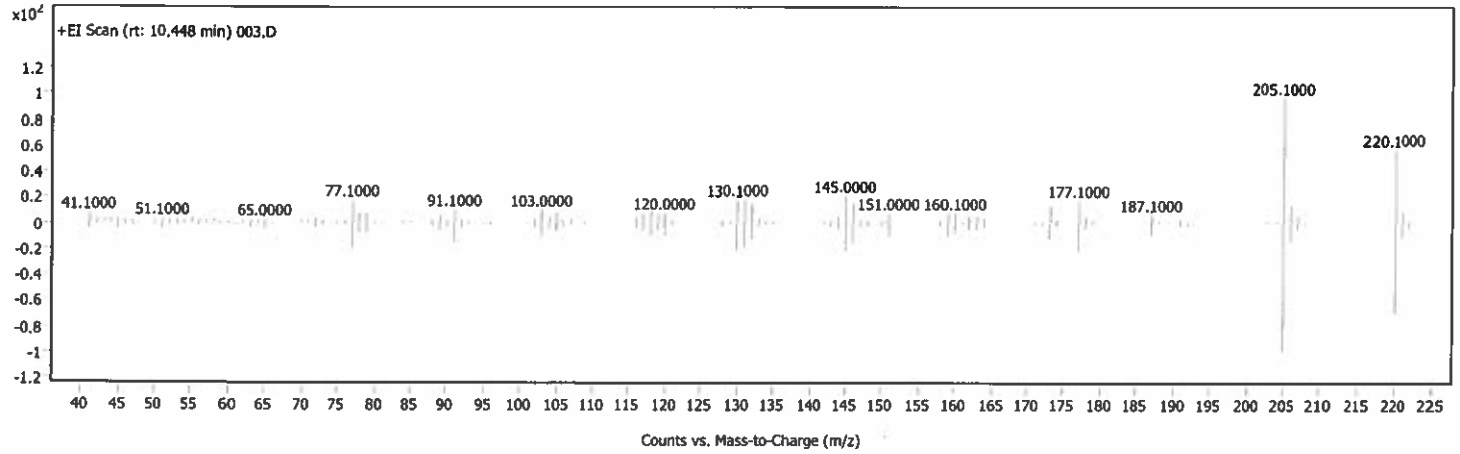
+ Scan (rt: 10.448 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	96.57	aafs.l	MATRIX 6 0.10 mg/L - URN	KM/QC DATA IN XYLAZINE VALIDATION

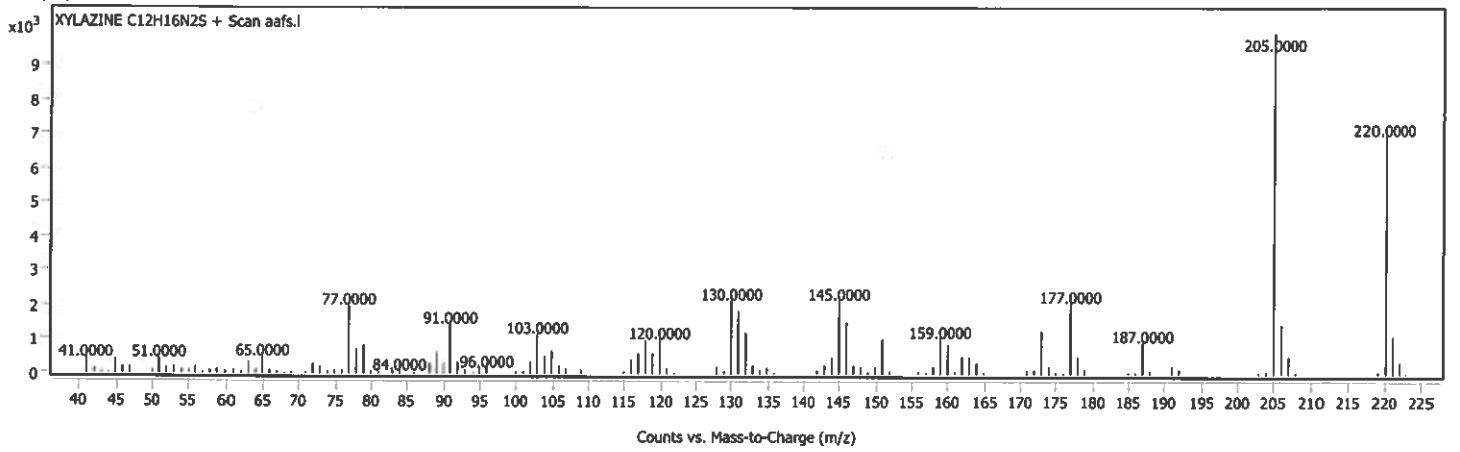
Observed Spectrum



Mirror Plot



Library Spectrum



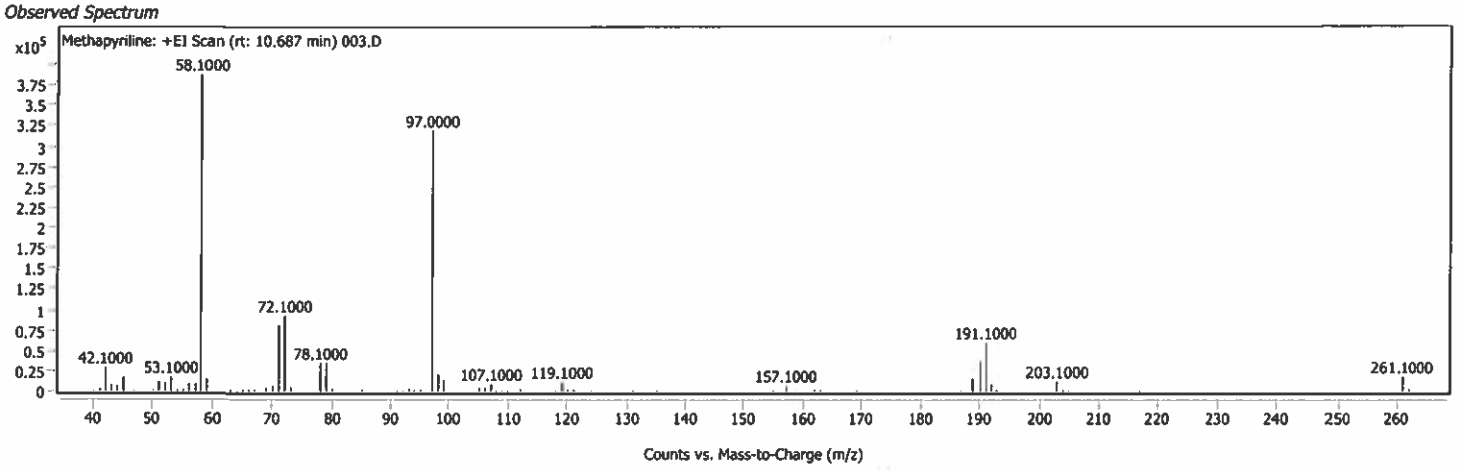
Analysis Report

Agilent

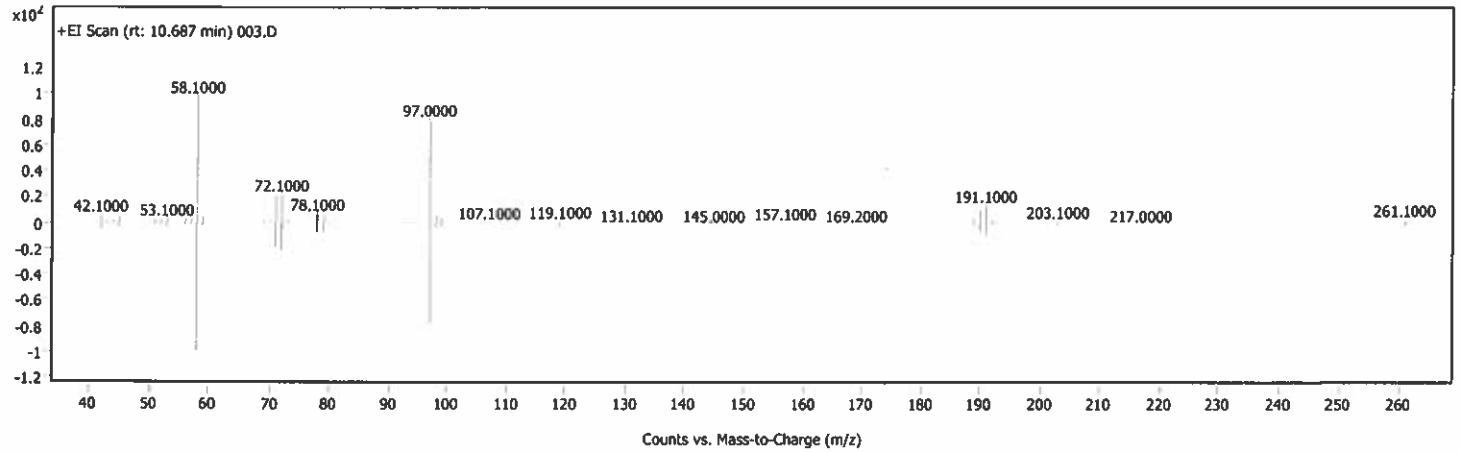
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.93	SWGDRUG 3.3.L	MATRIX 6 0.10 mg/L - URN	KM/QC DATA IN XYLAZINE VALIDATION

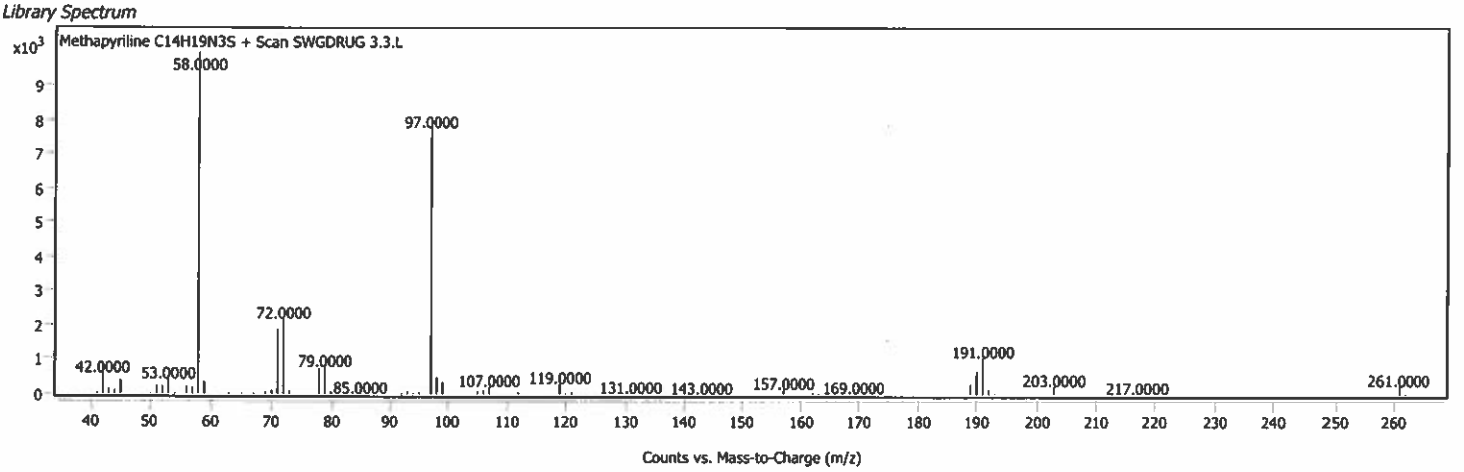
Observed Spectrum



Mirror Plot



Library Spectrum



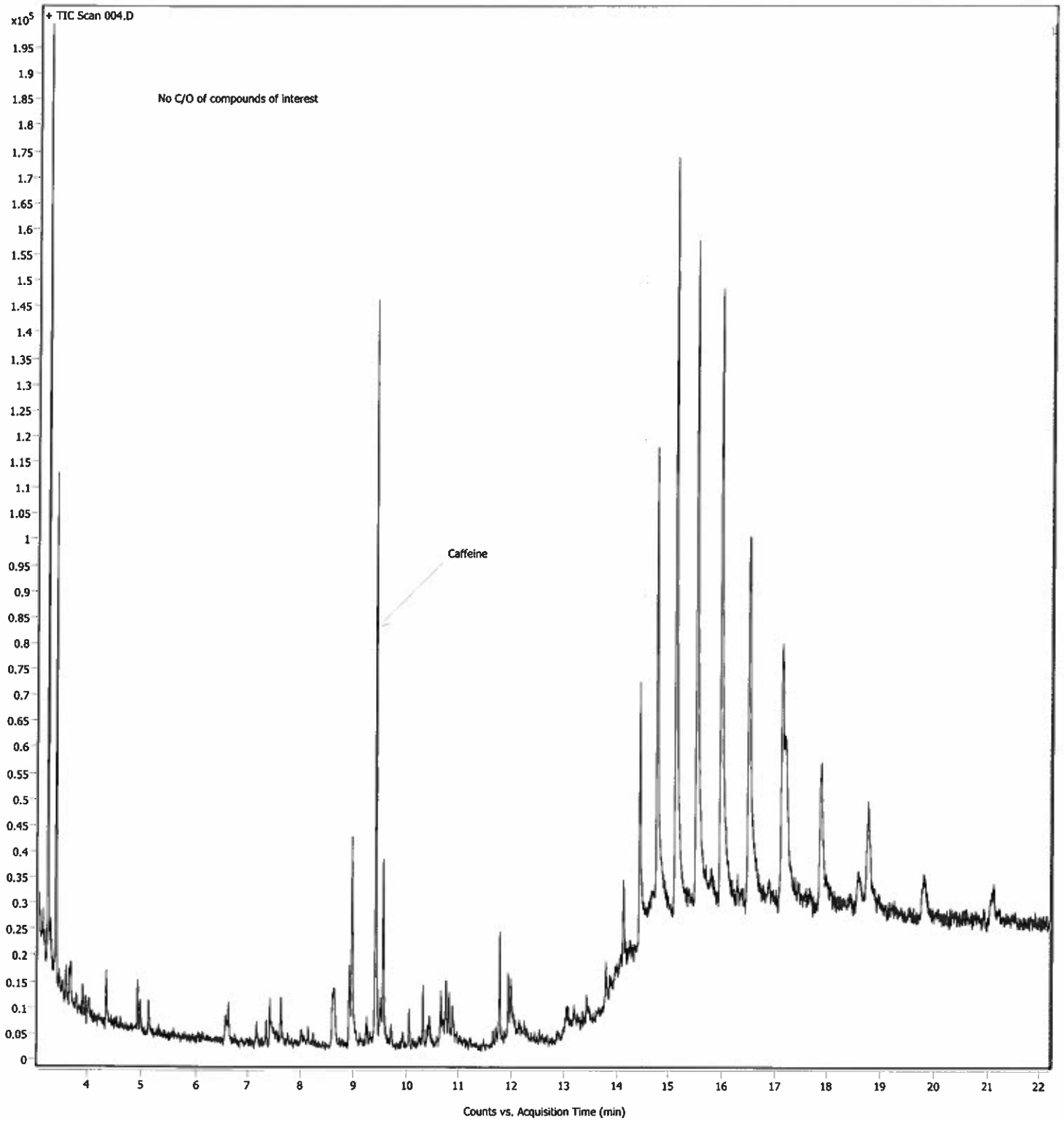
Analysis Report

Agilent

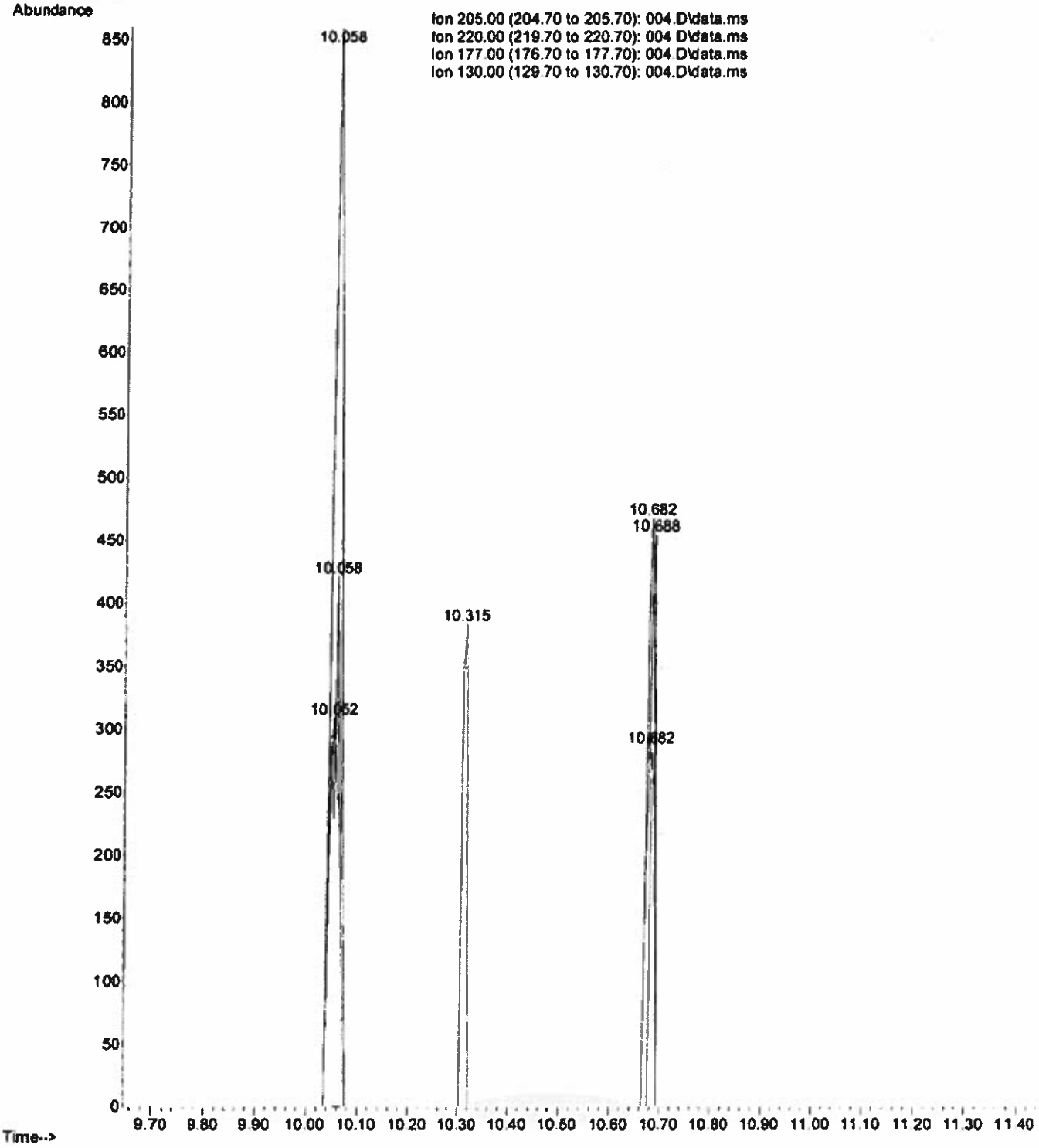
Sample Information

Sample Name	MATRIX BLANK after 0.1 mg/L	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\004.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 2:58:20 PM (UTC-04:00)
Position	30	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



File :C:\Users\TOX\Desktop\092821\004.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 28 Sep 2021 14:58 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK after 0.1 mg/L
Misc Info :
Vial Number: 30



Analysis Report

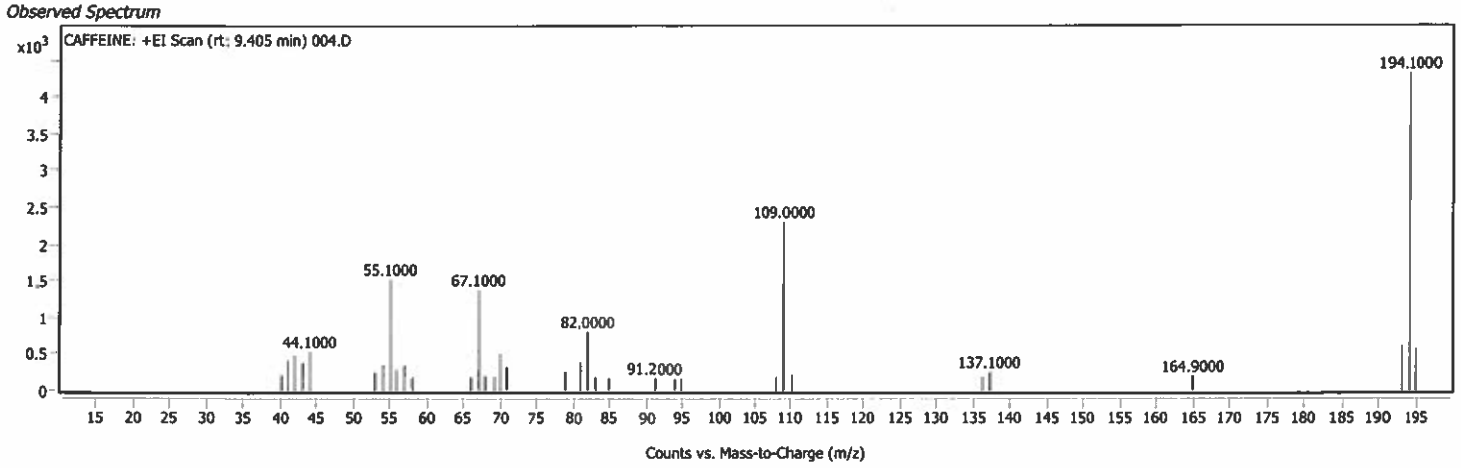
Agilent

Sample Spectra

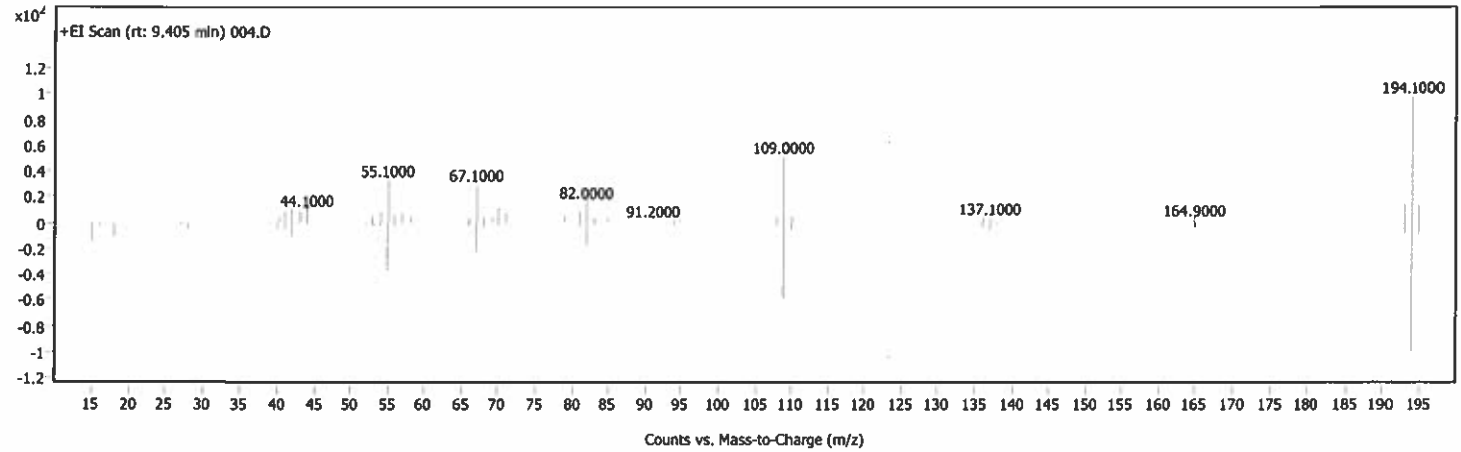
+ Scan (rt: 9.405 min) **CAFFEINE; C8H10N4O2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CAFFEINE	C8H10N4O2	91.71	aafs.l	MATRIX BLANK after 0.1 mg/L	KM/QC DATA IN XYLAZINE VALIDATION

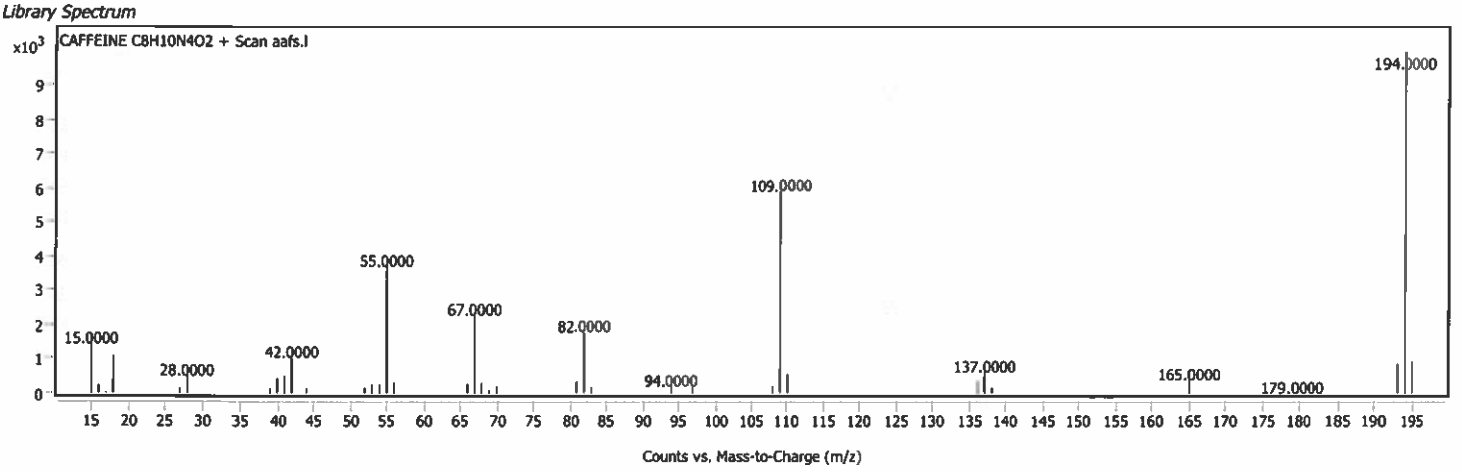
Observed Spectrum



Mirror Plot

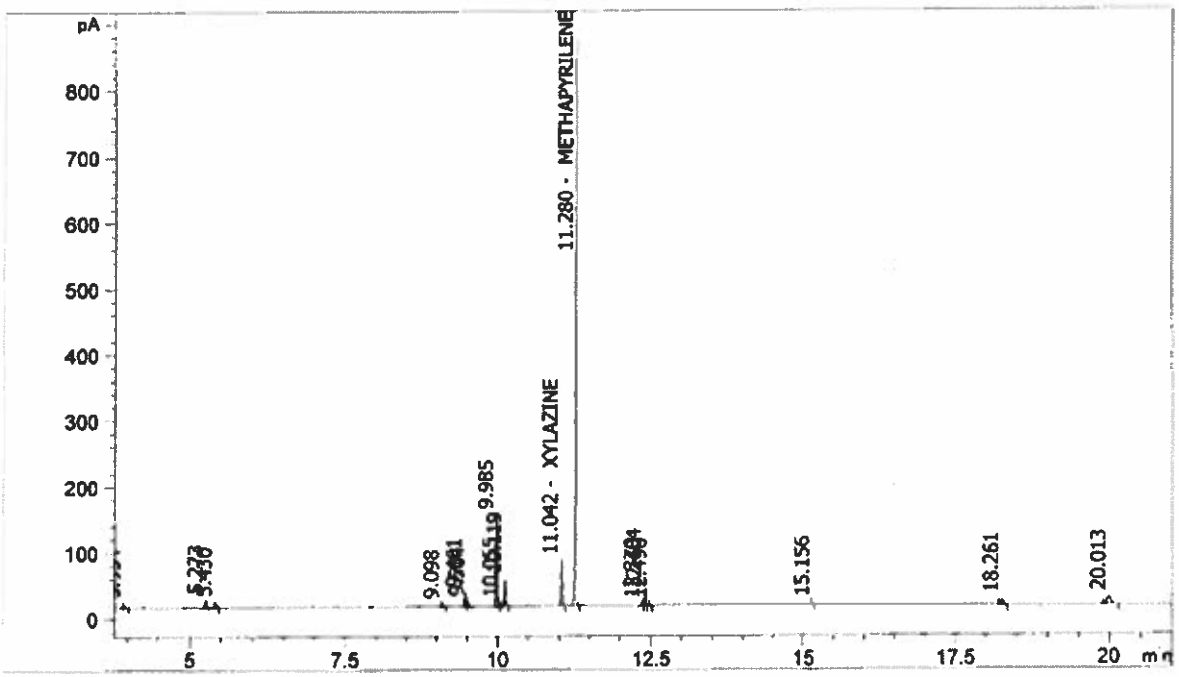


Library Spectrum



Injection Date: 9/28/2021 2:58:28 PM Seq Line: 4
Sample Name: MATRIX 6 0.10 mg/L - -> Vial 4
Sample Info:

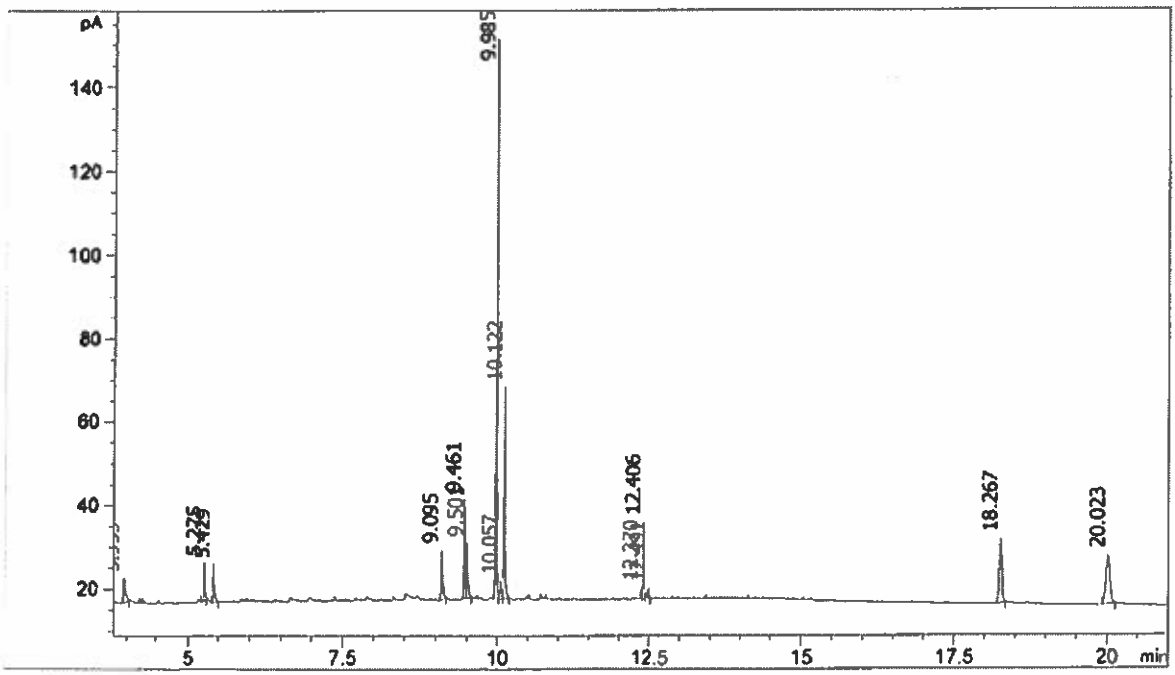
Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.042	11.046	84.260	70.081	0.000000	XYLAZINE RRT - 0.9789
11.280	11.278	1015.278	853.502	1.000000	METHAPYRILENE

Injection Date: 9/28/2021 3:22:45 PM Seq Line: 5
Sample Name: MATRIX BLANK after 0.-> Vial 5
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

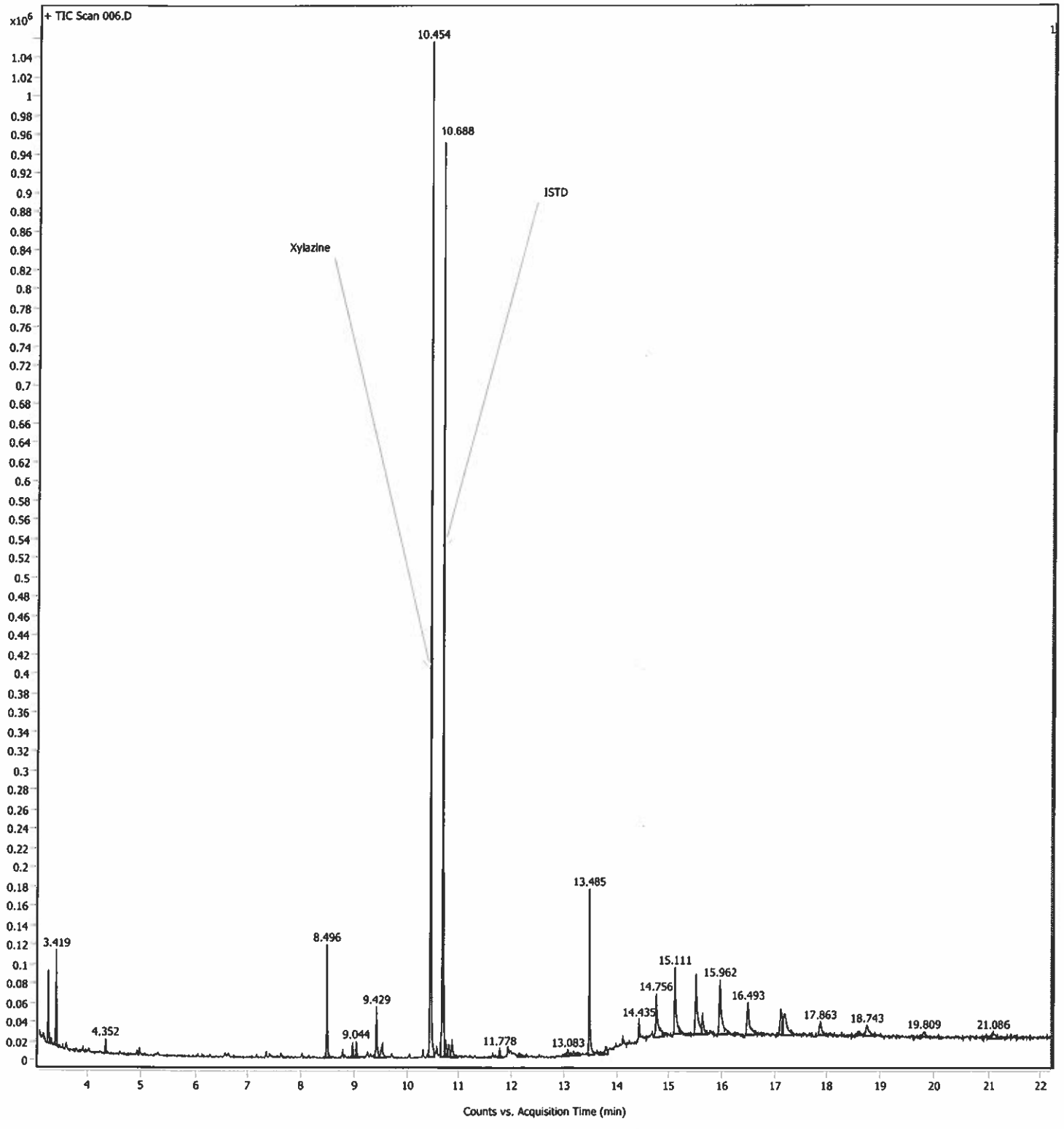
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2 0.50 mg/L - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\006.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 3:49:58 PM (UTC-04:00)
Position	32	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

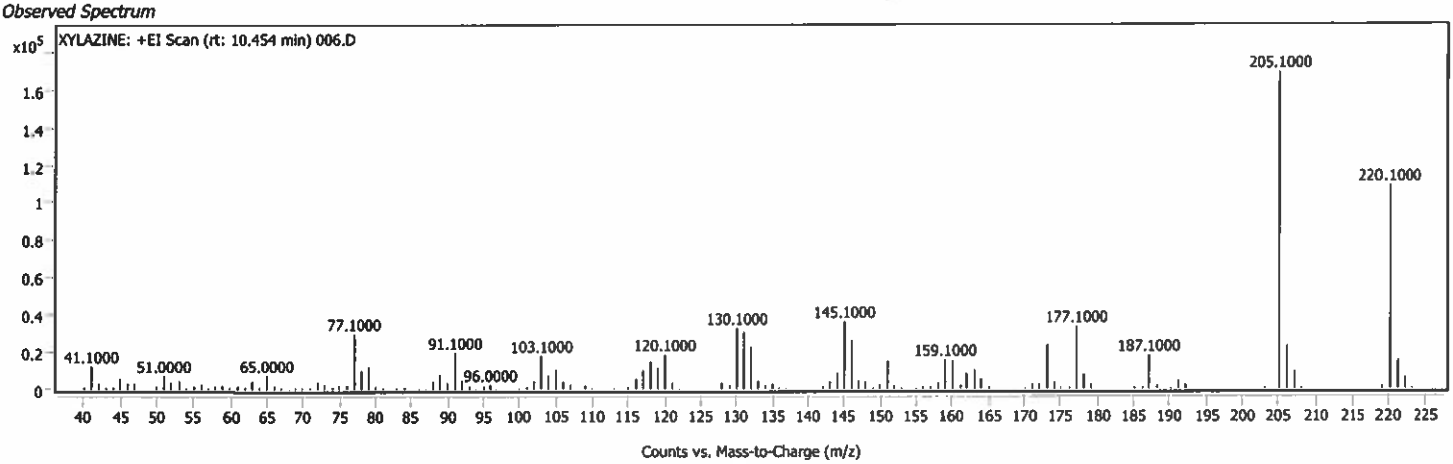
Agilent

Sample Spectra

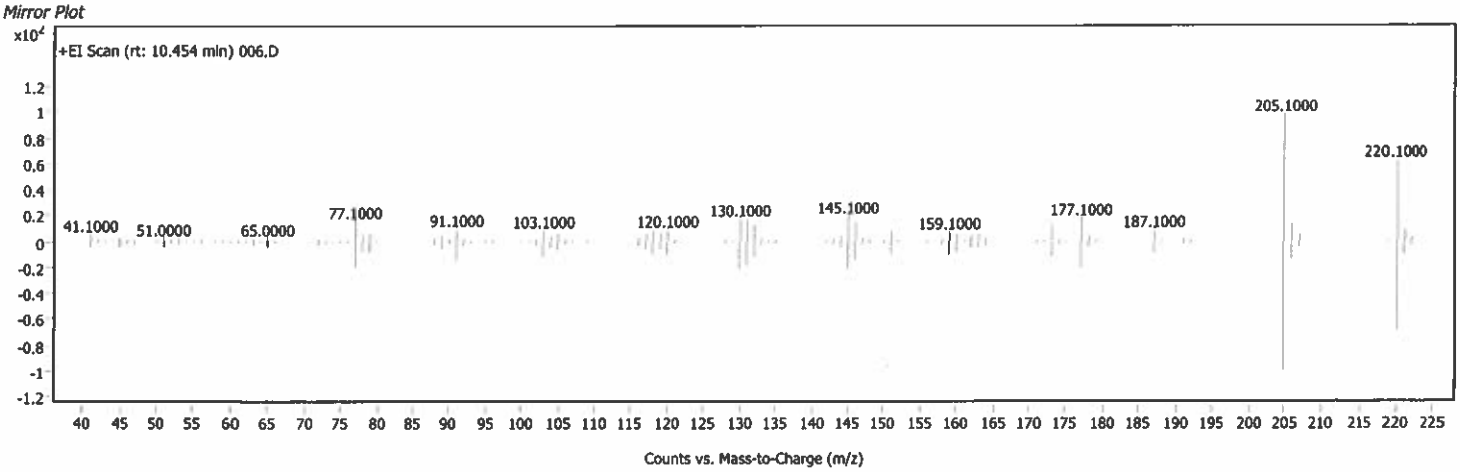
+ Scan (rt: 10.454 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.51	aafs.l	MATRIX 2 0.50 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

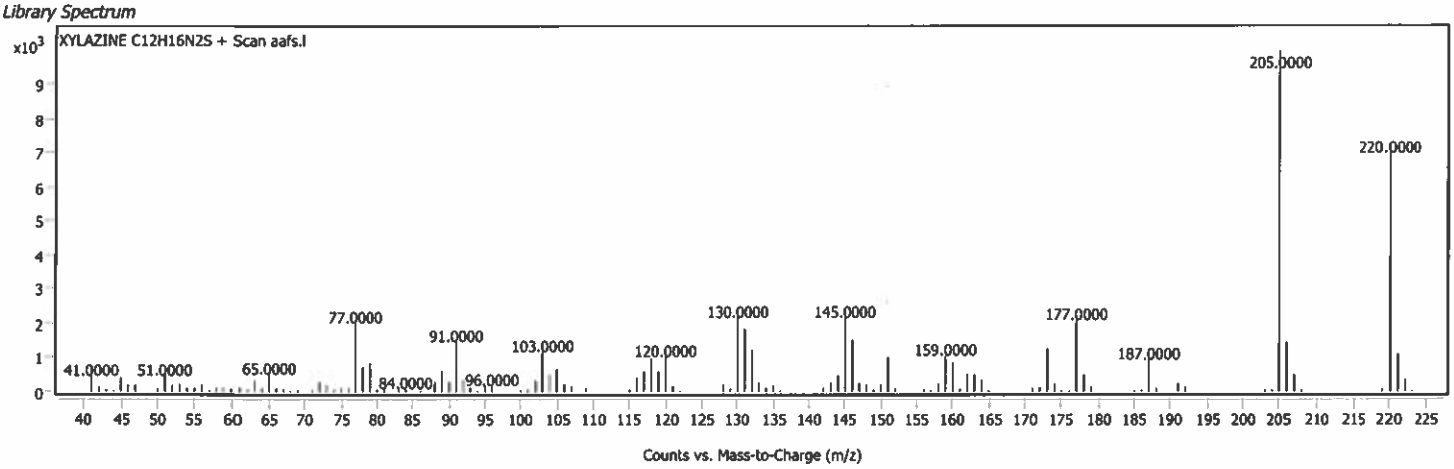
Observed Spectrum



Mirror Plot



Library Spectrum



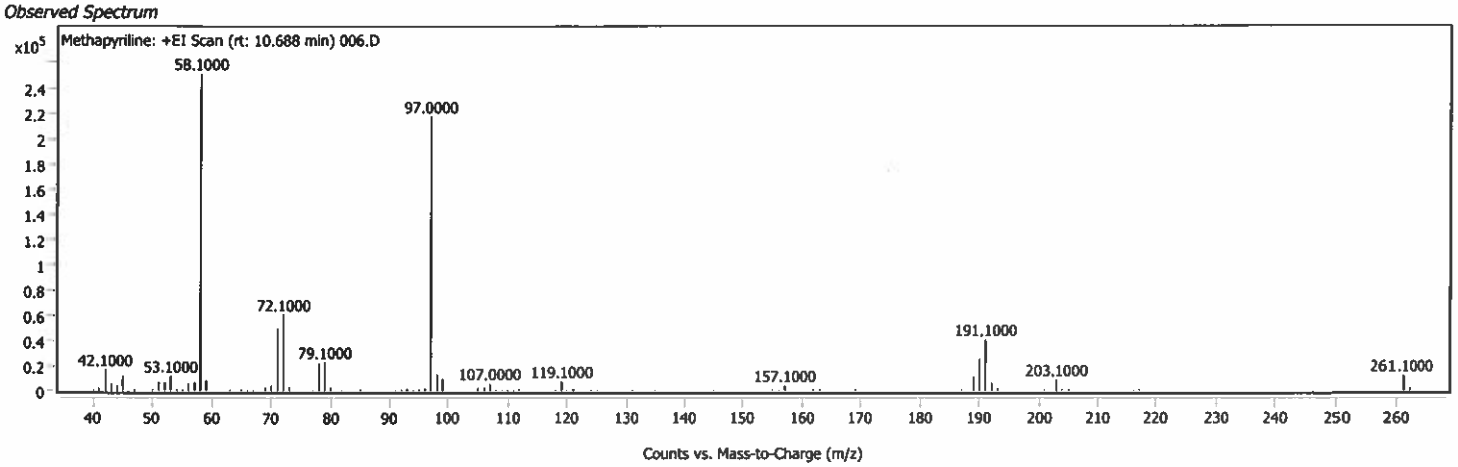
Analysis Report

Agilent

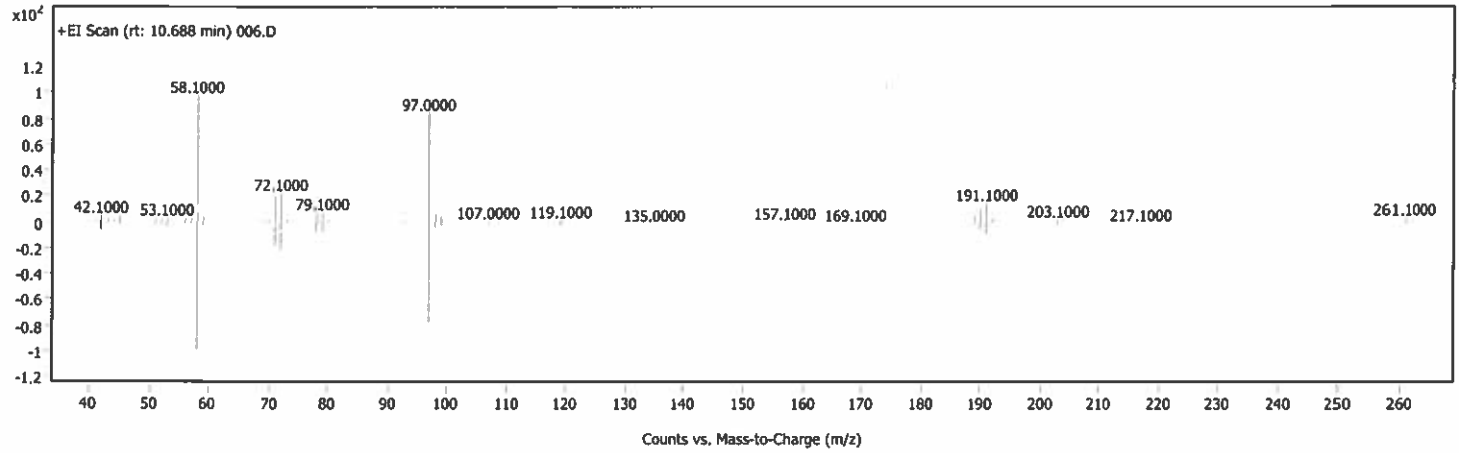
+ Scan (rt: 10.688 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.43	SWGDRUG 3.3.L	MATRIX 2 0.50 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

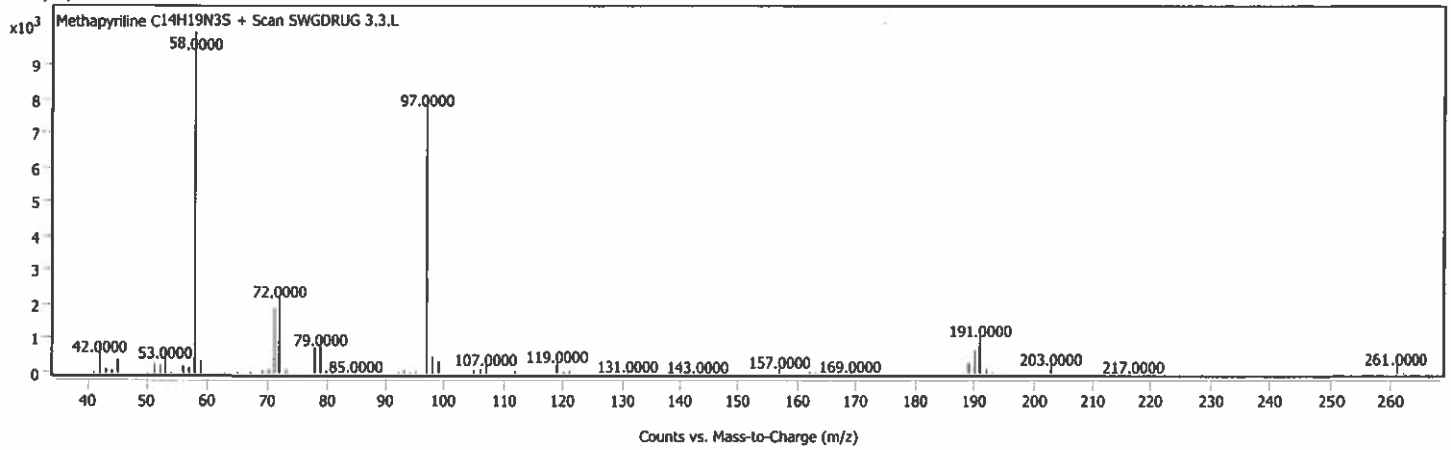
Observed Spectrum



Mirror Plot

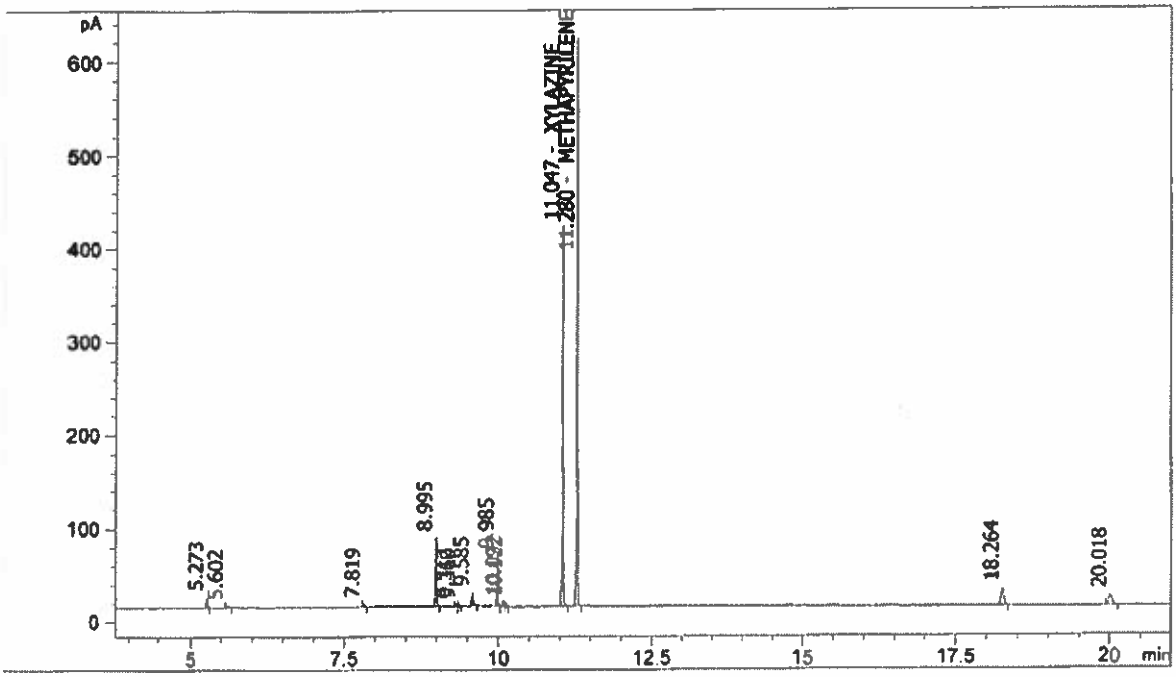


Library Spectrum



Injection Date: 9/28/2021 4:11:26 PM Seq Line: 7
Sample Name: MATRIX 2 0.50 mg/L - -> Vial 7
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.047	11.046	474.613	407.068	0.000000	XYLAZINE RRT - 0.9793
11.280	11.278	697.688	603.915	1.000000	METHAPYRILENE

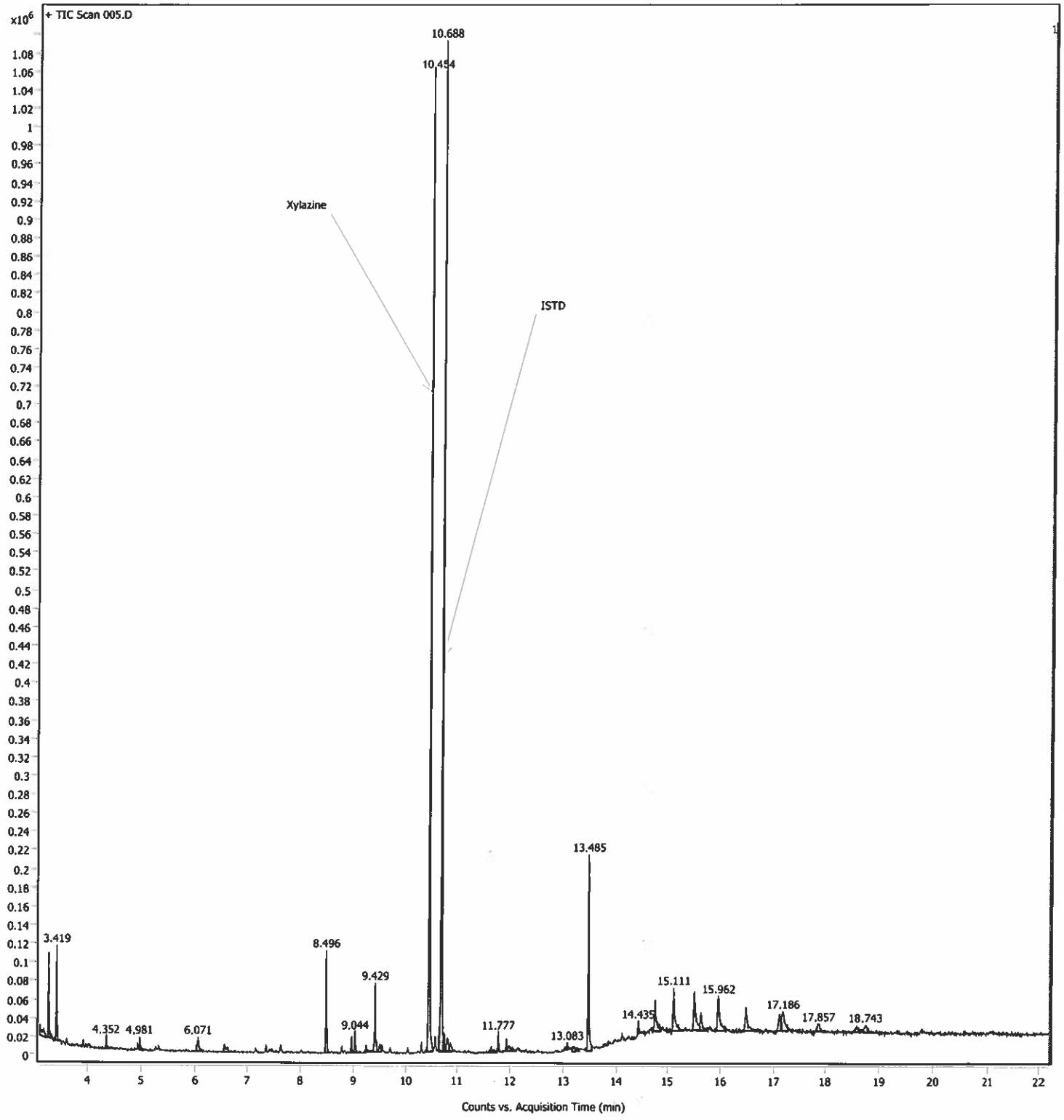
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 0.50 mg/L - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\005.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 3:24:07 PM (UTC-04:00)
Position	31	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

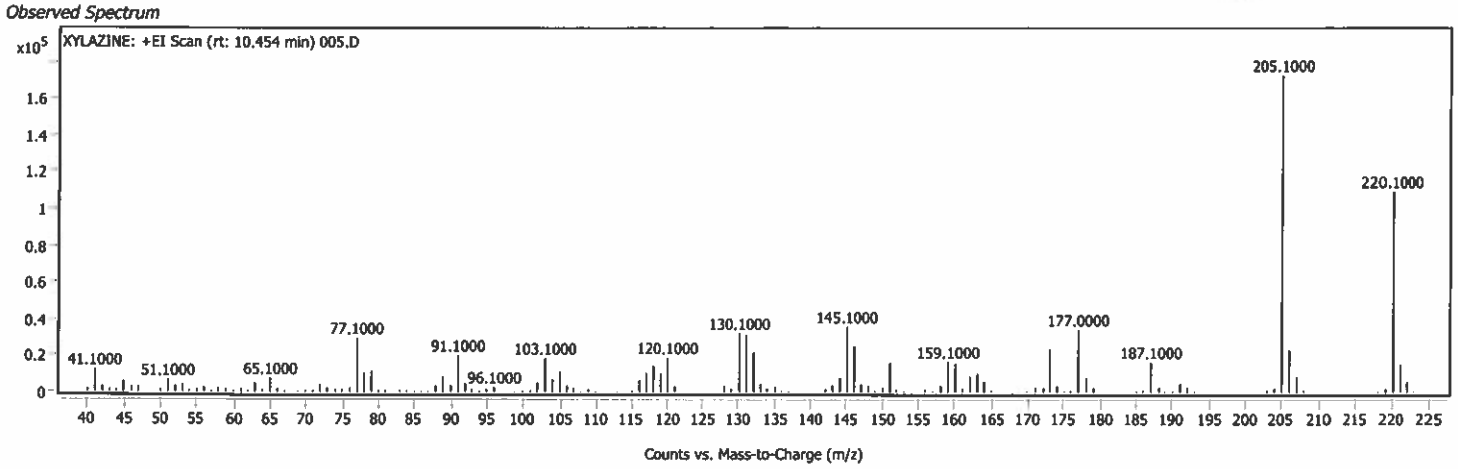
Agilent

Sample Spectra

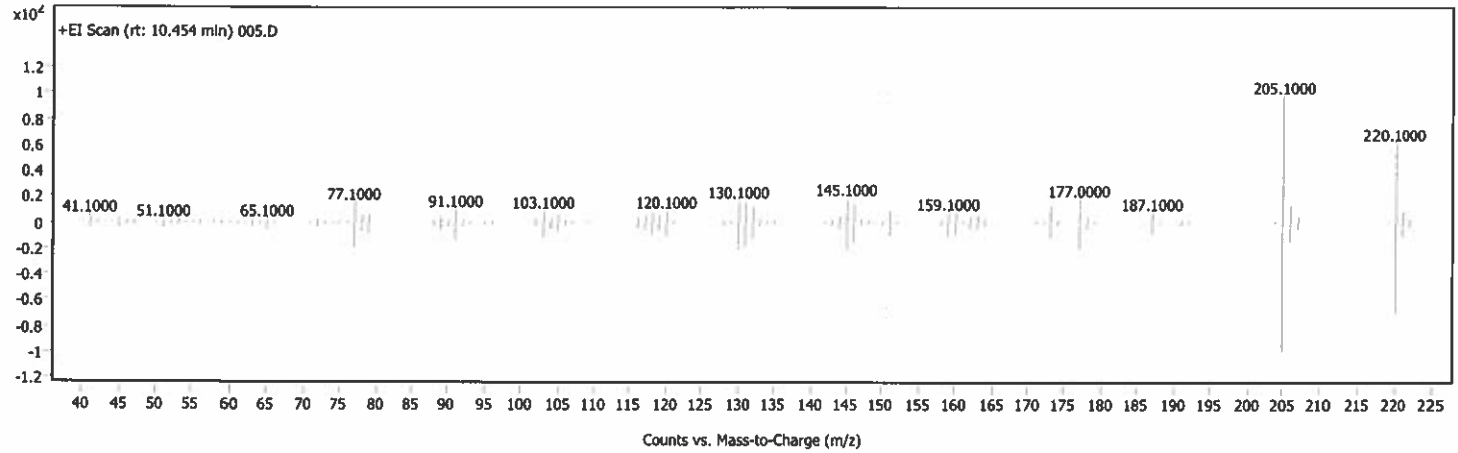
+ Scan (rt: 10.454 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.56	aafs.l	MATRIX 1 0.50 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

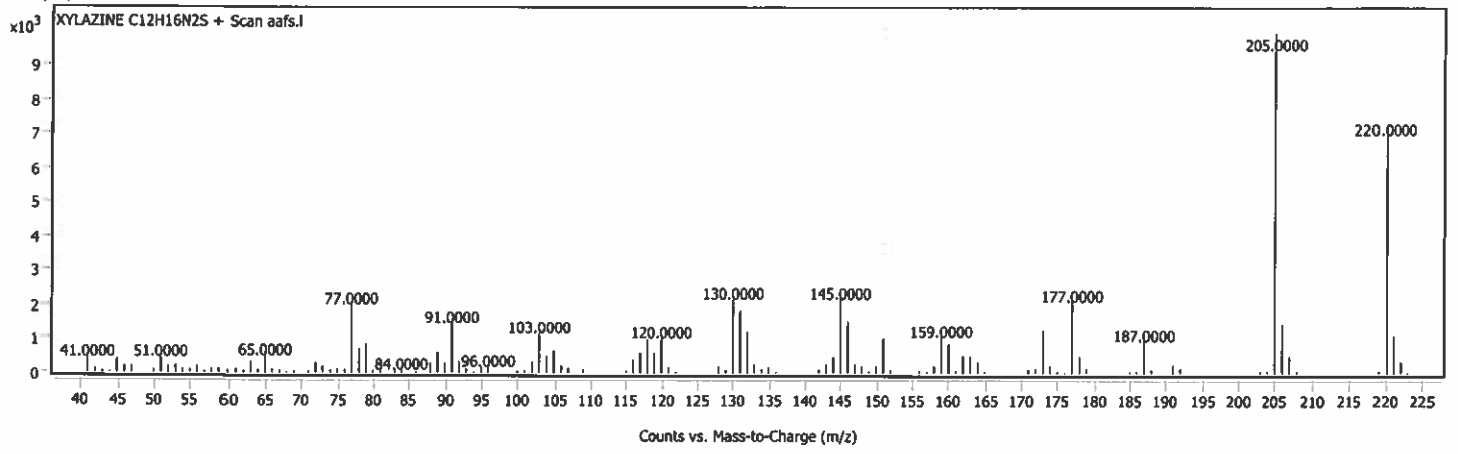
Observed Spectrum



Mirror Plot



Library Spectrum



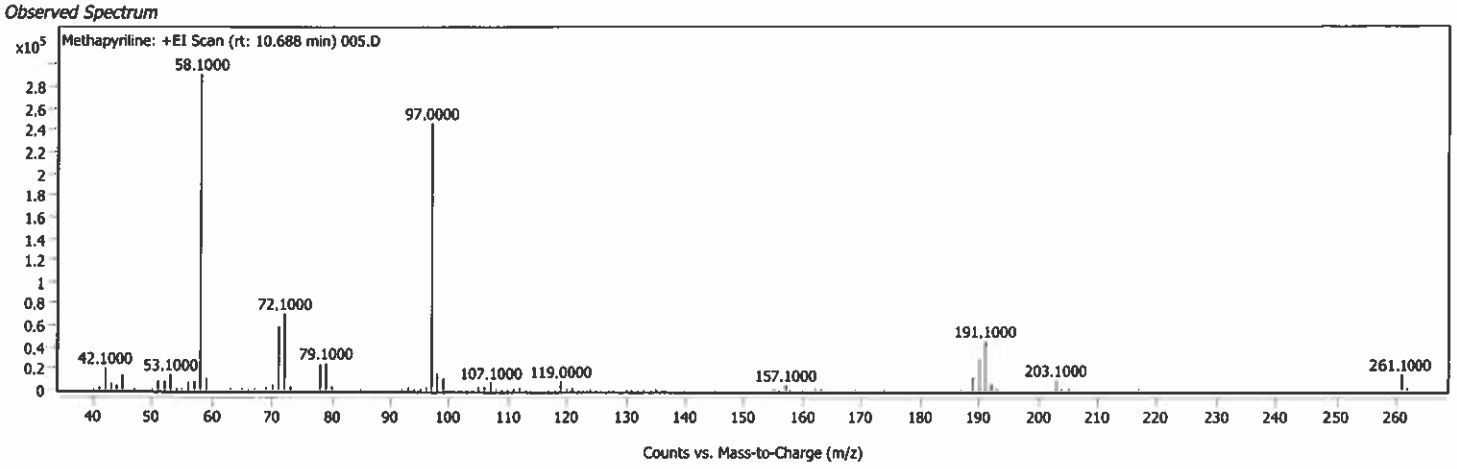
Analysis Report

Agilent

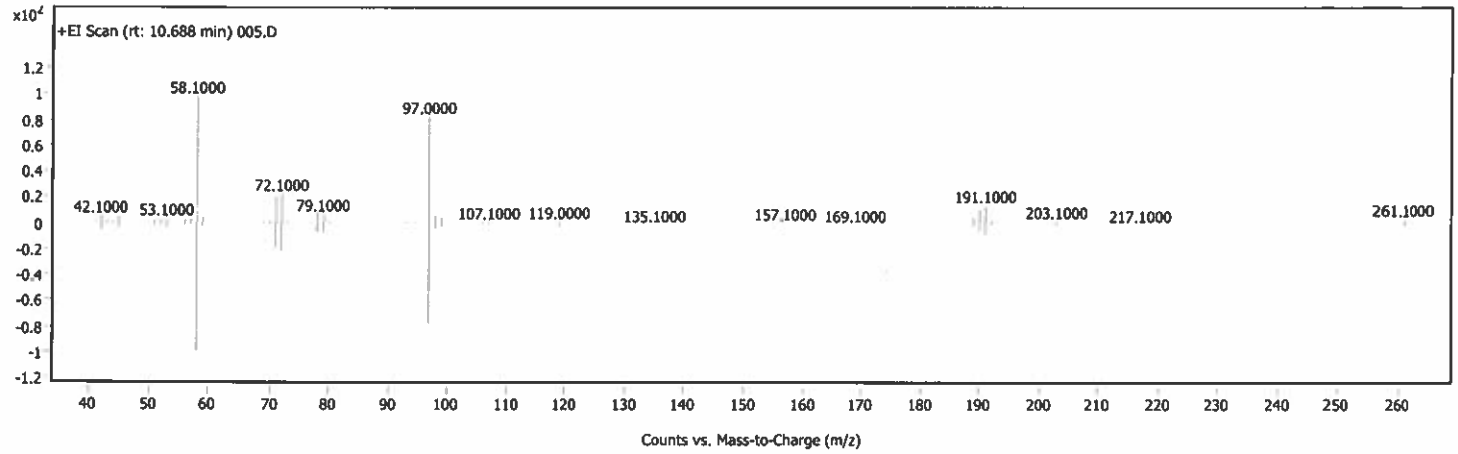
+ Scan (rt: 10.688 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.36	SWGDRUG 3.3.L	MATRIX 1 0.50 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

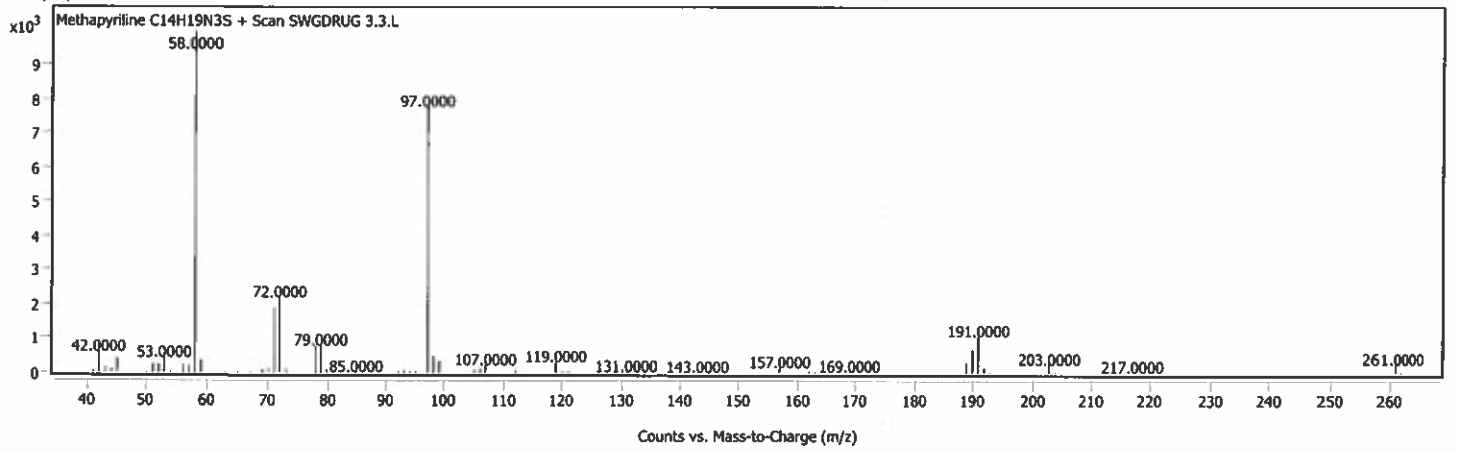
Observed Spectrum



Mirror Plot

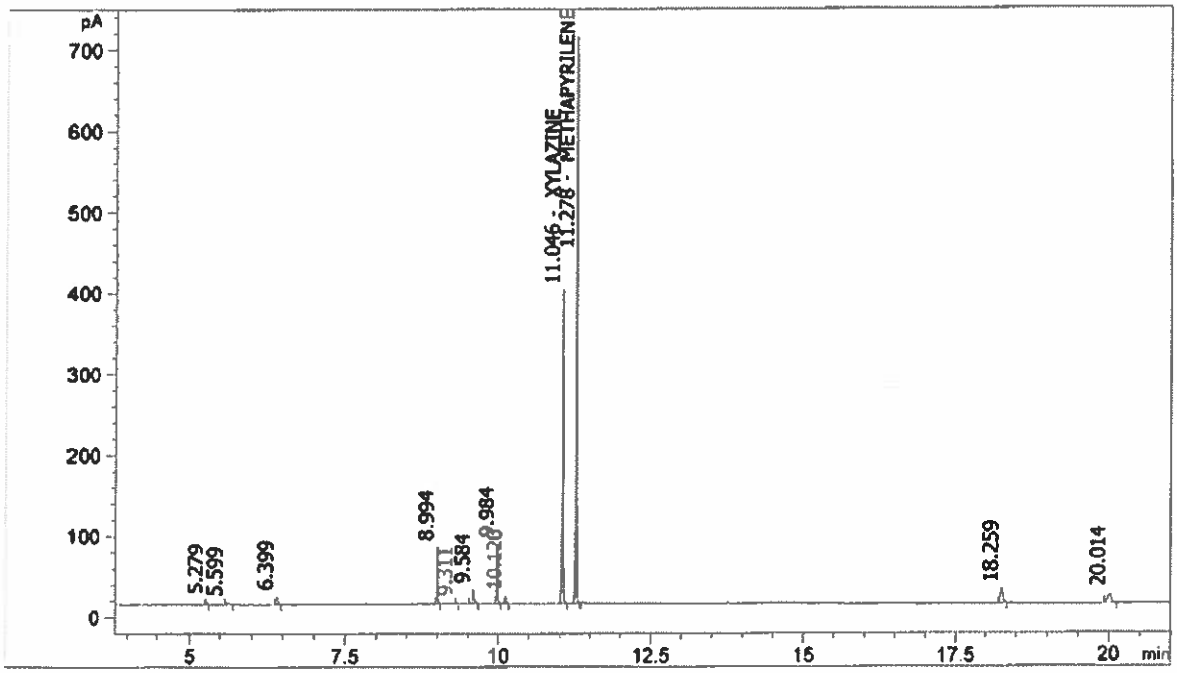


Library Spectrum



Injection Date: 9/28/2021 3:47:05 PM Seq Line: 6
Sample Name: MATRIX 1 0.50 mg/L - -> Vial 6
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.046	11.046	472.345	386.736	0.000000	XYLAZINE RRT - 0.9794
11.278	11.278	820.587	696.468	1.000000	METHAPYRILENE

*RTs for Xylazine + Methapyrilene set from sample

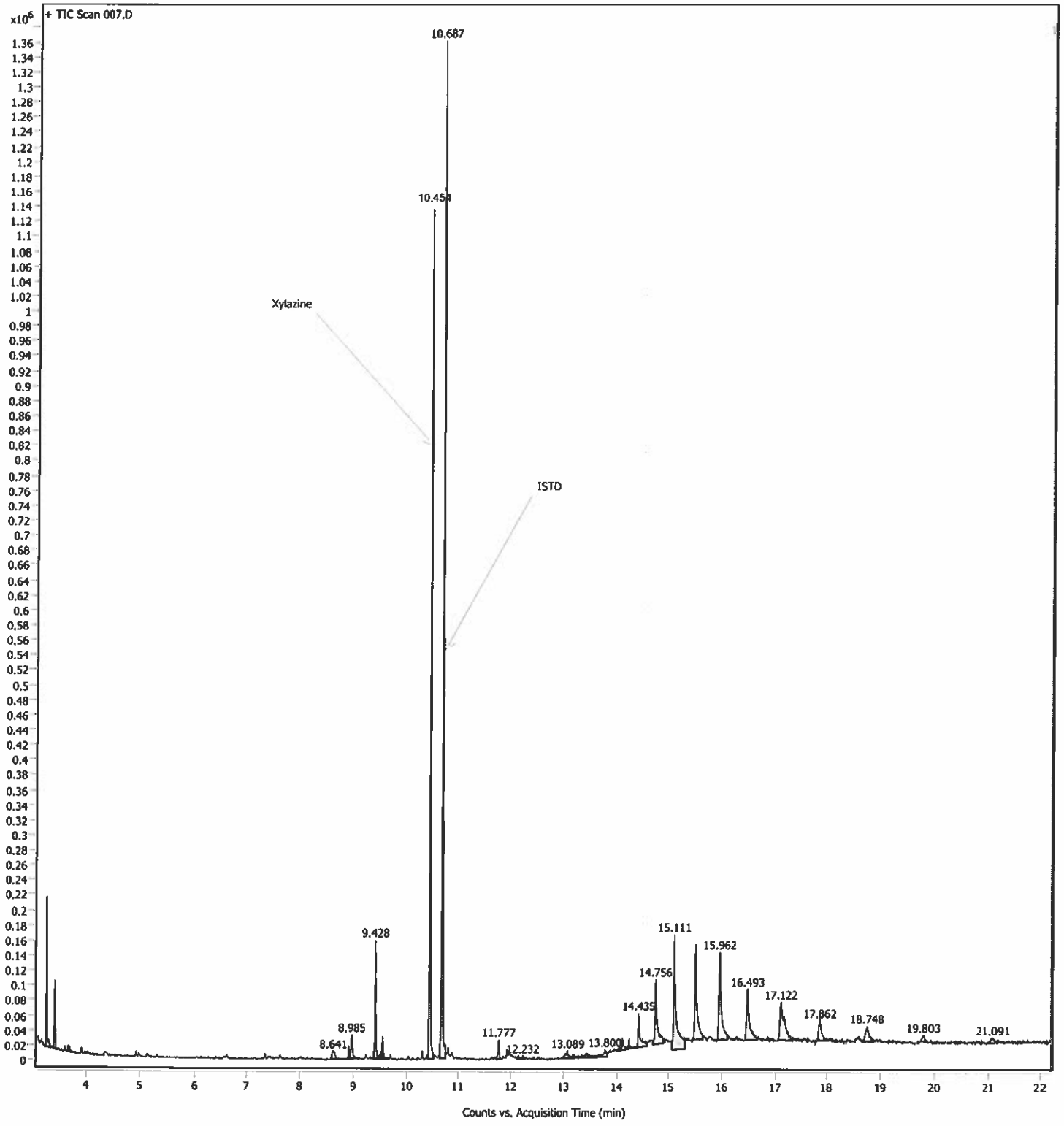
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 0.50 mg/L - URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\007.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 4:15:44 PM (UTC-04:00)
Position	33	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

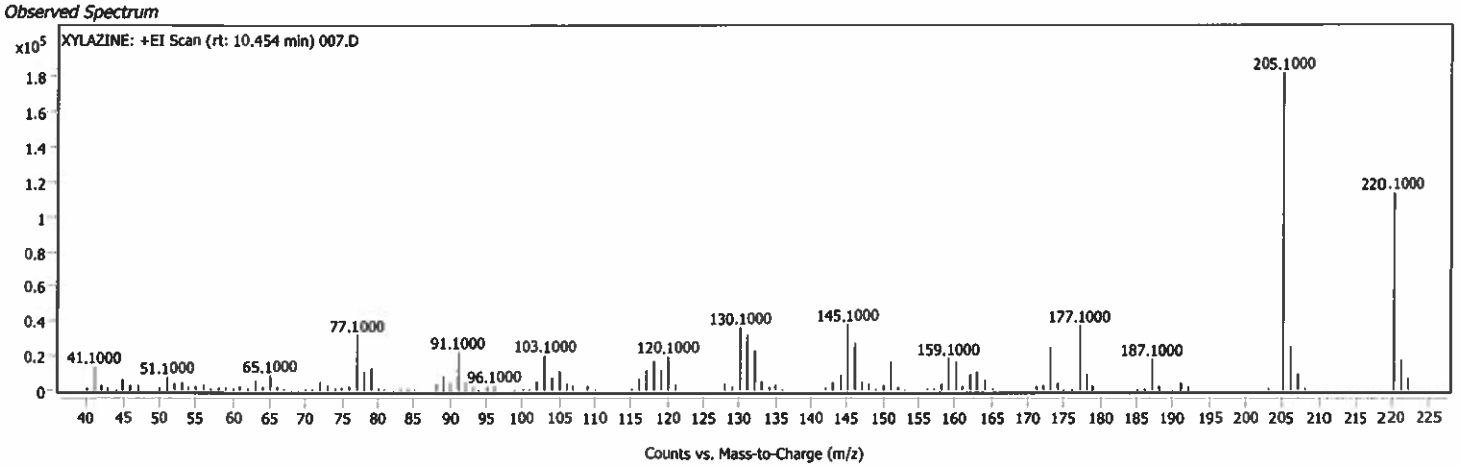
Agilent

Sample Spectra

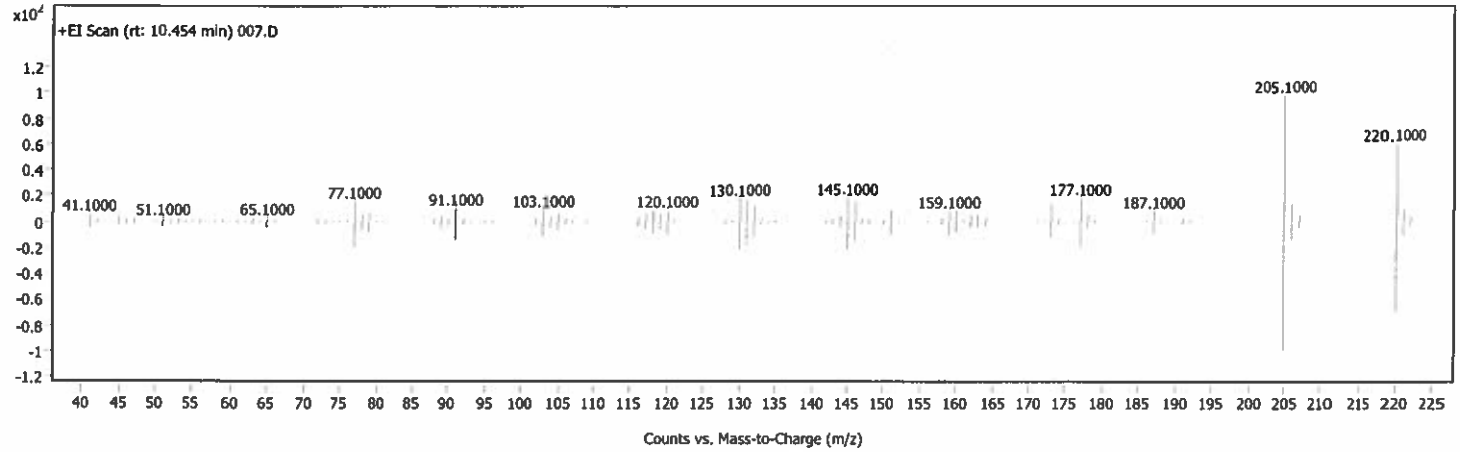
+ Scan (rt: 10.454 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.65	aafs.l	MATRIX 6 0.50 mg/L - URN	KM/QC DATA IN XYLAZINE VALIDATION

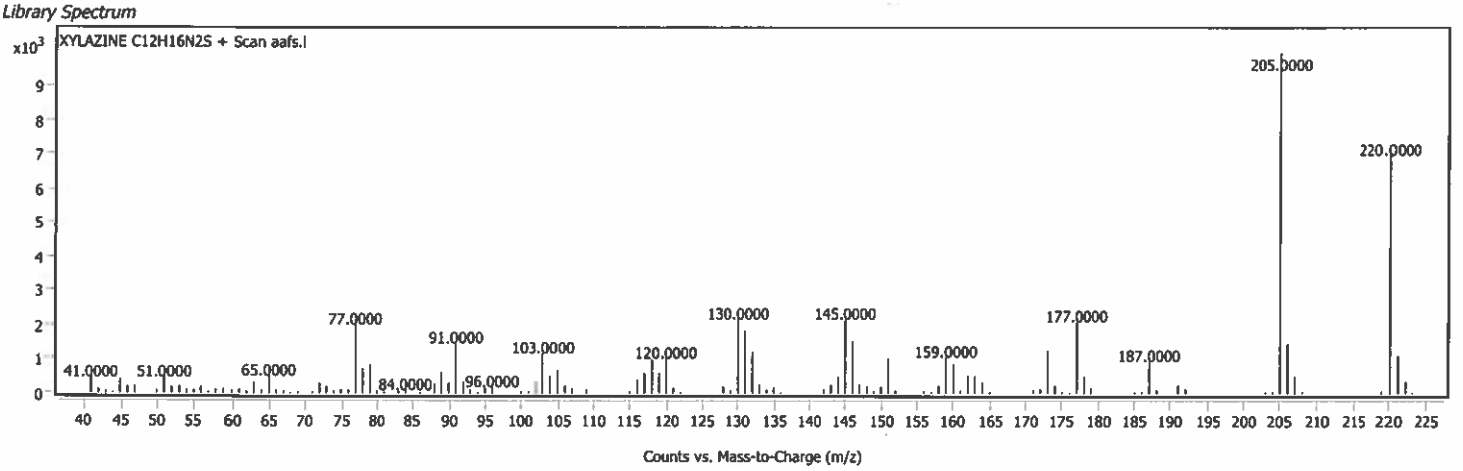
Observed Spectrum



Mirror Plot



Library Spectrum



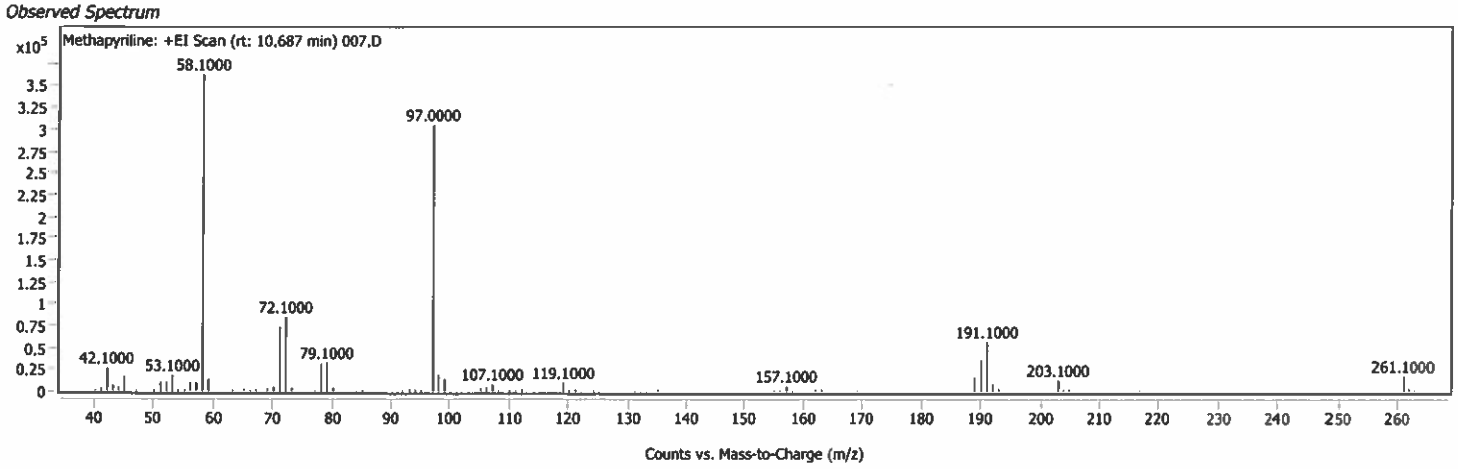
Analysis Report

Agilent

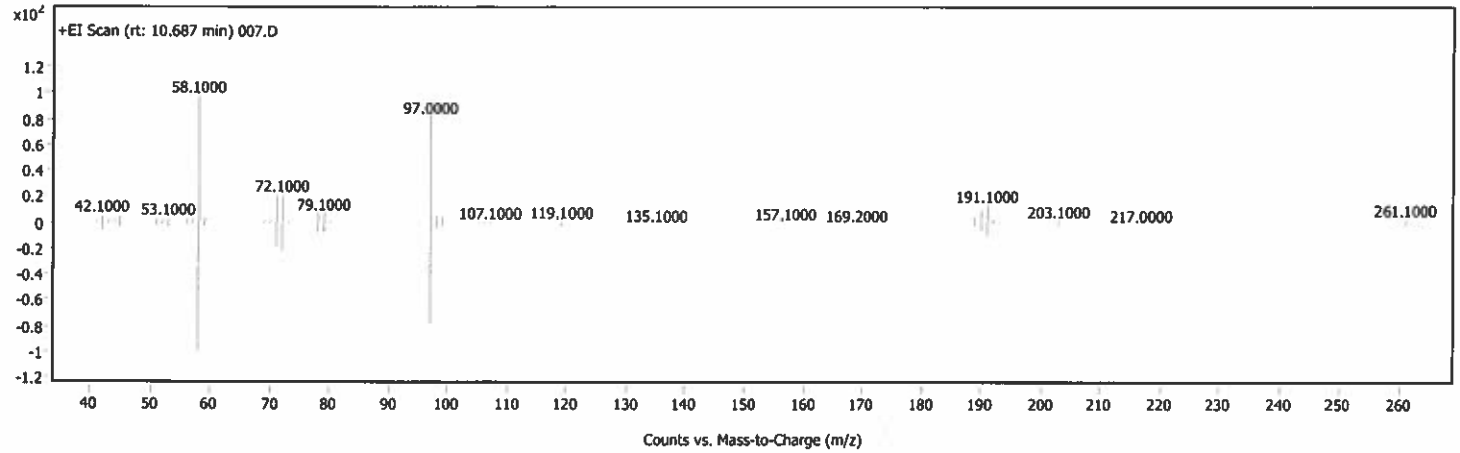
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.75	SWGDRUG 3.3.L	MATRIX 6 0.50 mg/L - URN	KM/QC DATA IN XYLAZINE VALIDATION

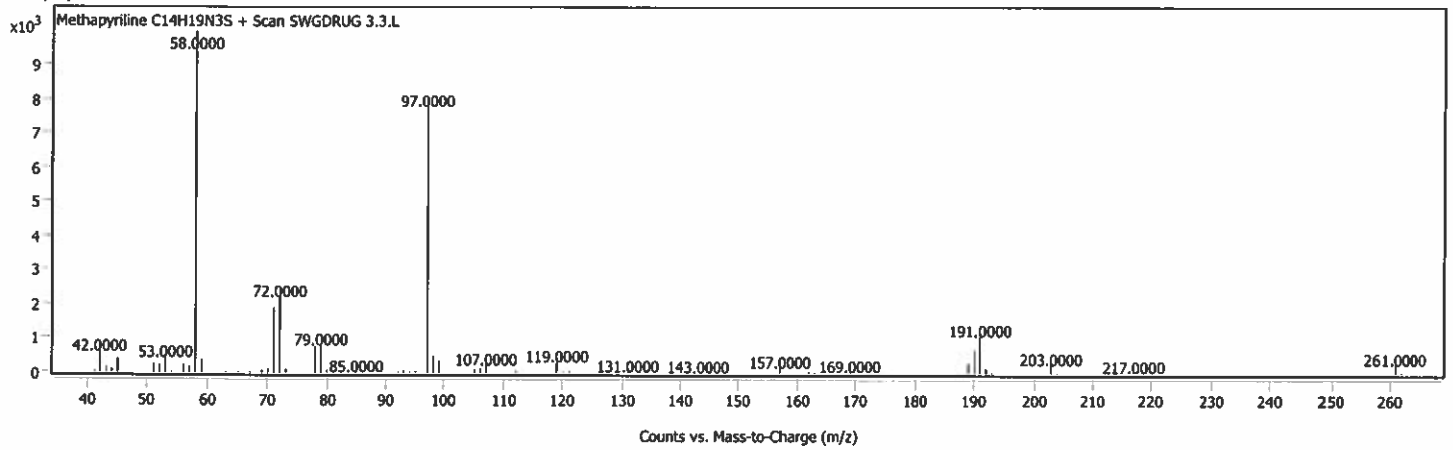
Observed Spectrum



Mirror Plot



Library Spectrum



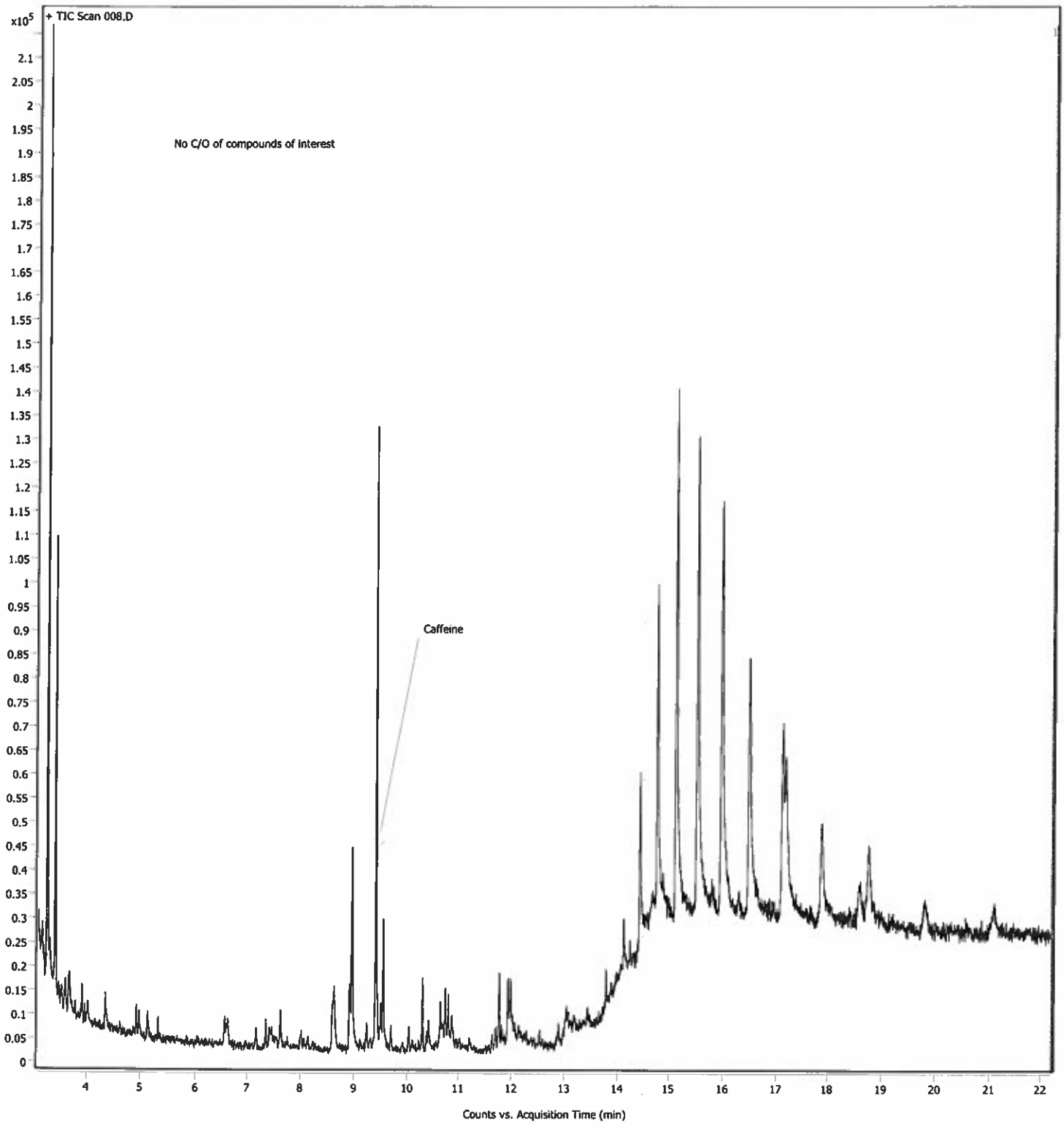
Analysis Report

Agilent

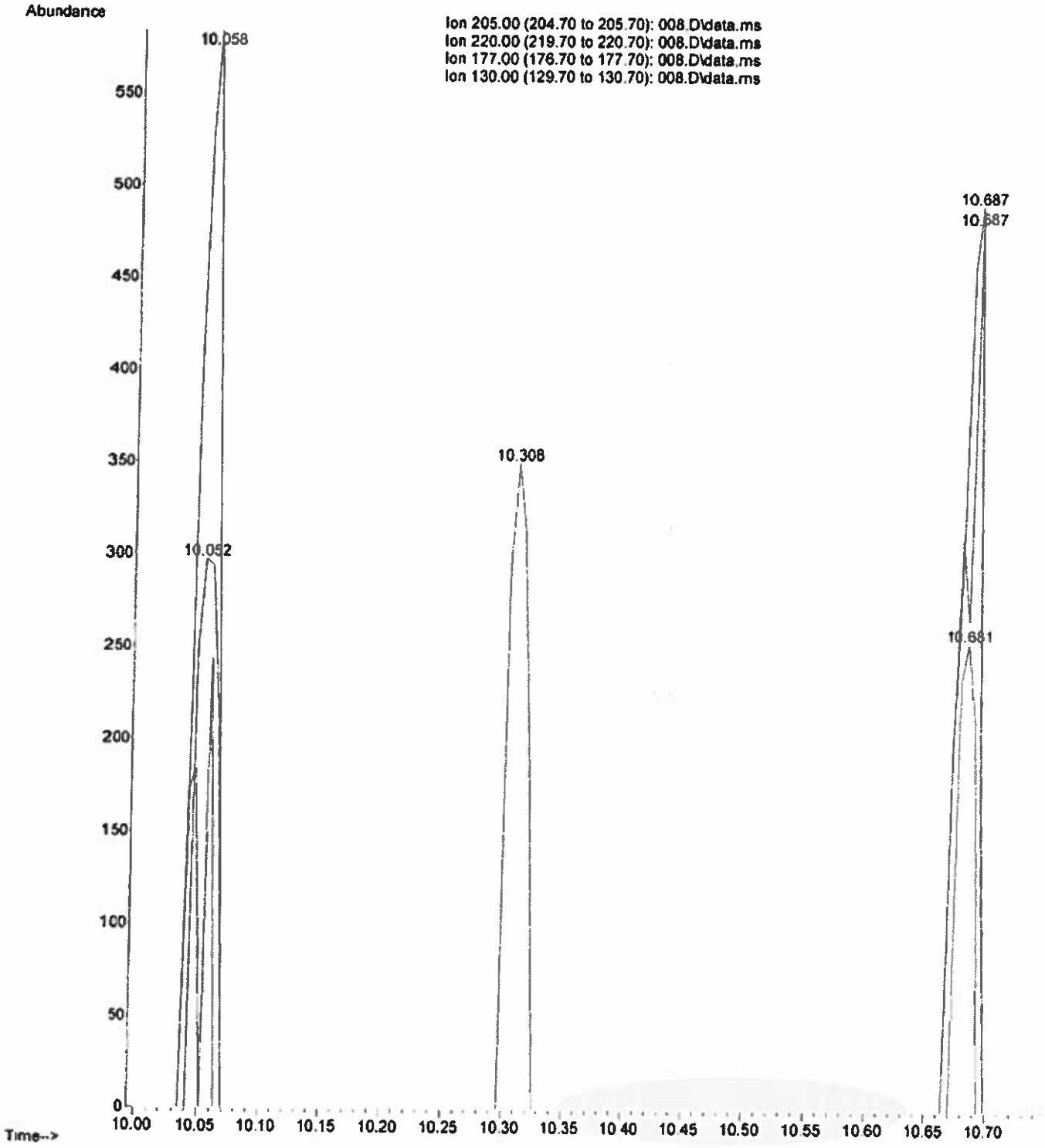
Sample Information

Sample Name	MATRIX BLANK after 0.5 mg/L	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\008.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 4:41:32 PM (UTC-04:00)
Position	34	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



File :C:\Users\TOX\Desktop\092821\008.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 28 Sep 2021 16:41 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK after 0.5 mg/L
Misc Info :
Vial Number: 34



Analysis Report

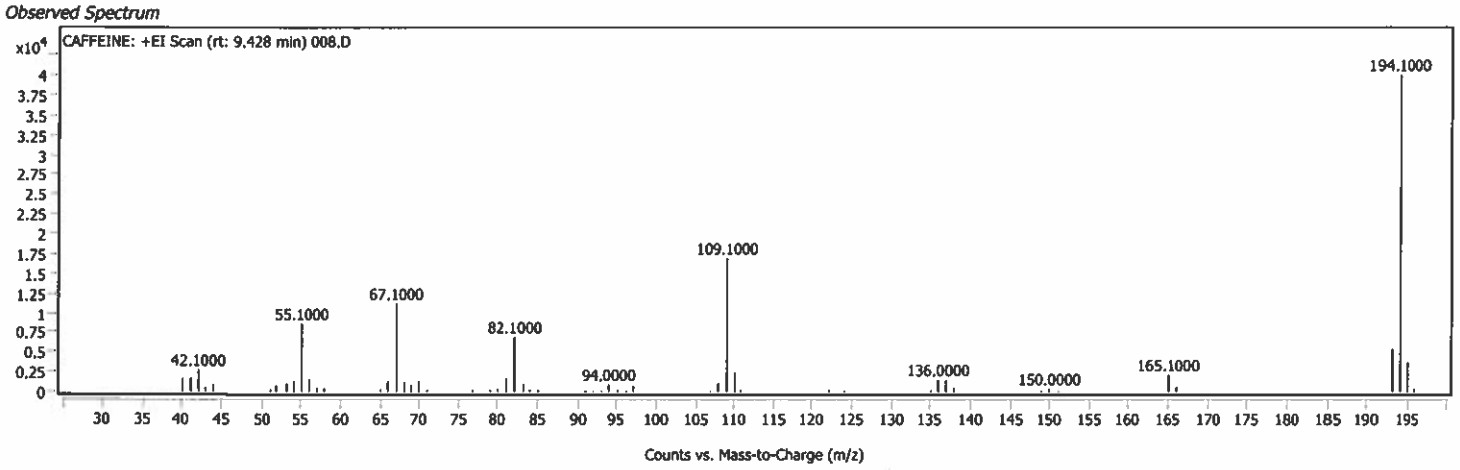
Agilent

Sample Spectra

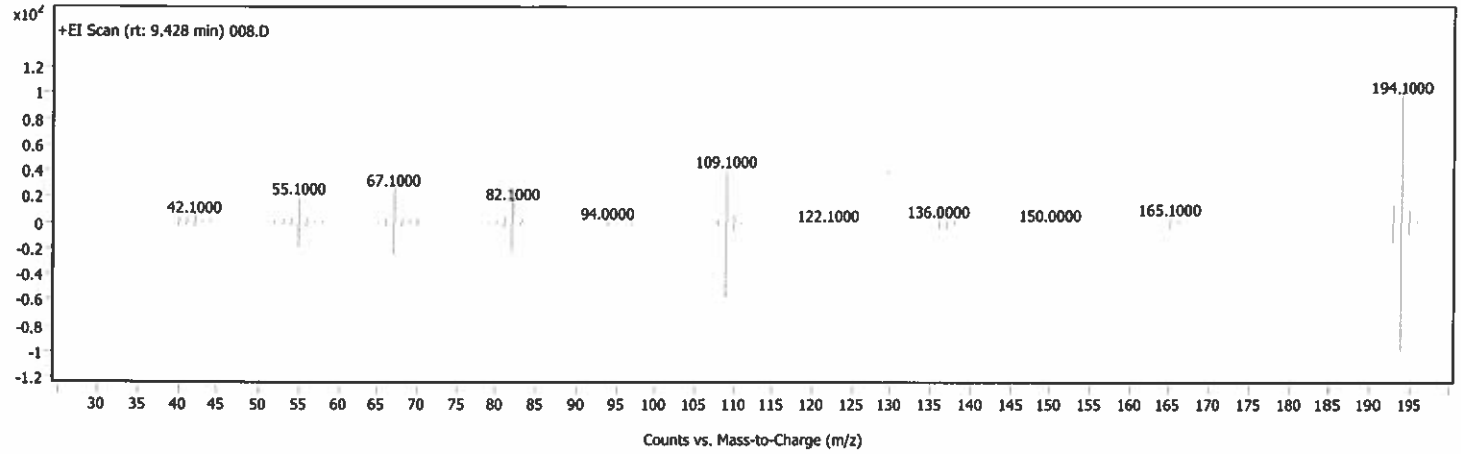
+ Scan (rt: 9.428 min) **CAFFEINE; C8H10N4O2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CAFFEINE	C8H10N4O2	98.12	aafs.l	MATRIX BLANK after 0.5 mg/L	KM/QC DATA IN XYLAZINE VALIDATION

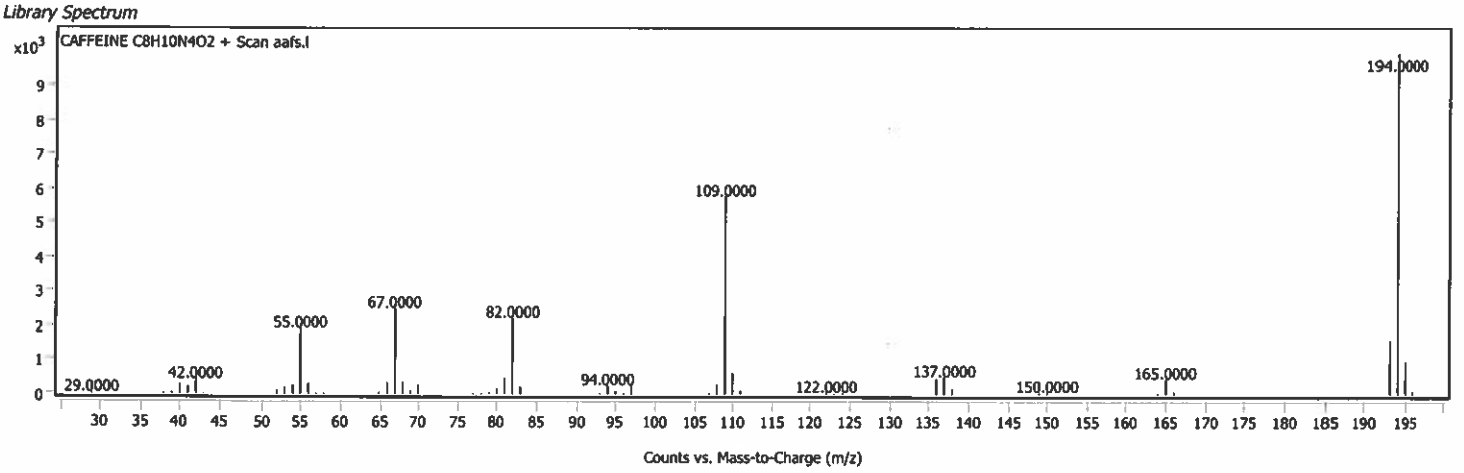
Observed Spectrum



Mirror Plot

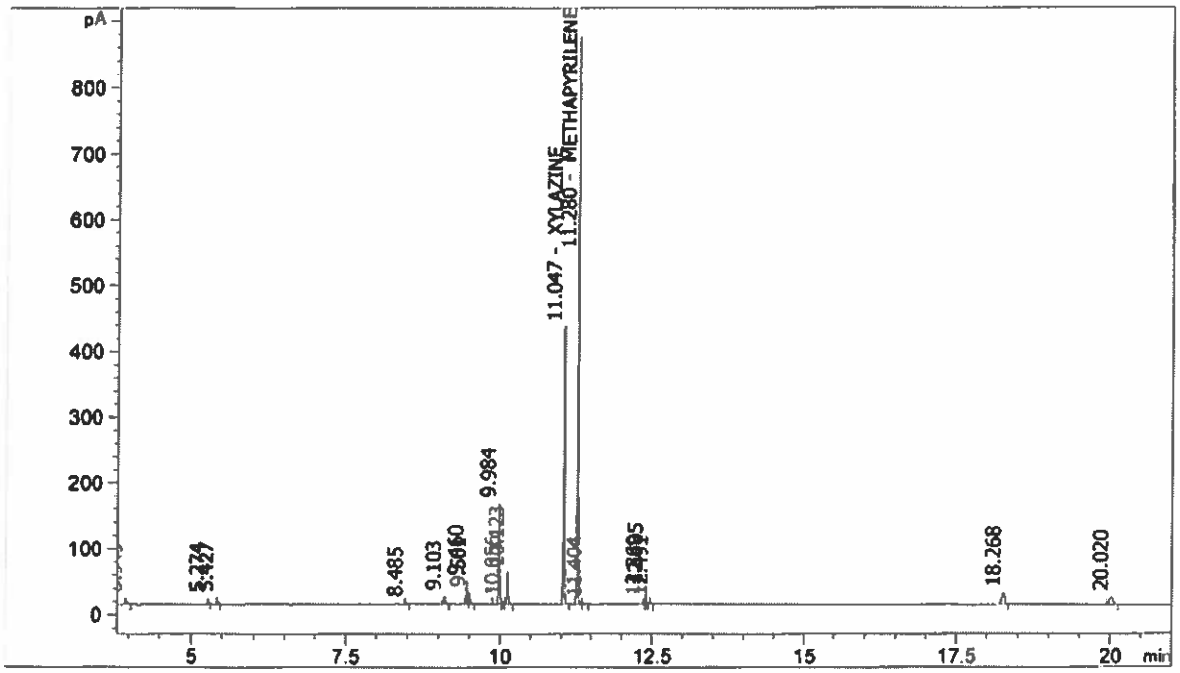


Library Spectrum



Injection Date: 9/28/2021 4:35:44 PM Seq Line: 8
Sample Name: MATRIX 6 0.50 mg/L - -> Vial 8
Sample Info:

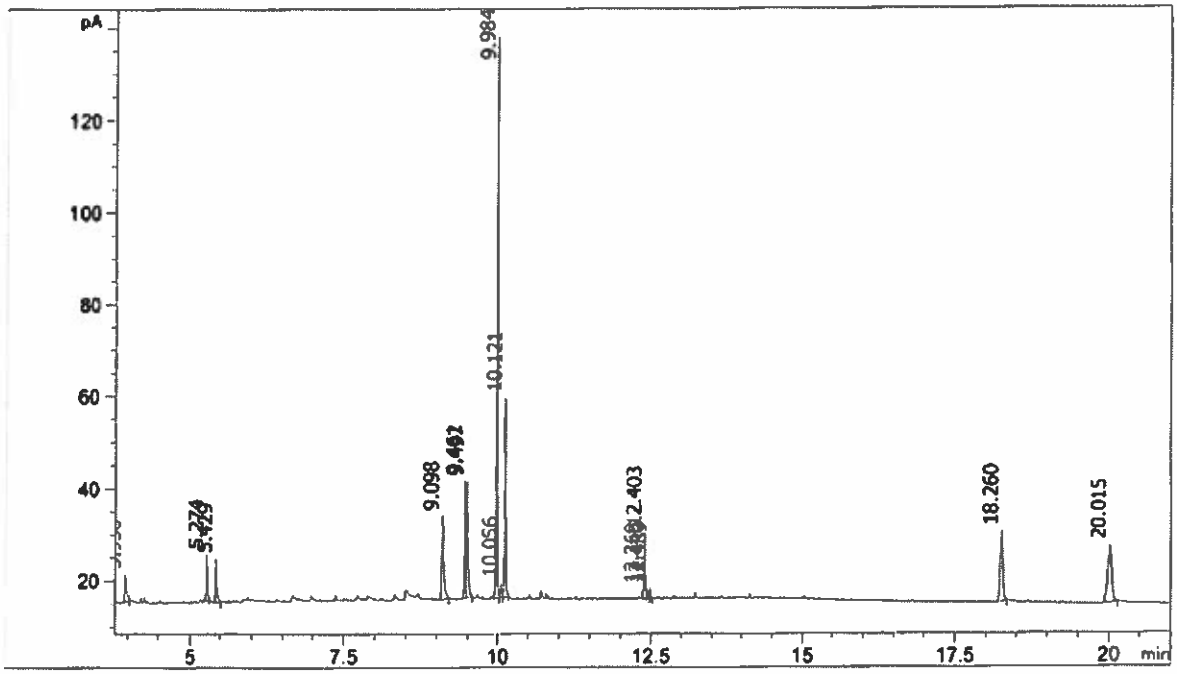
Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.047	11.046	509.258	420.059	0.000000	XYLAZINE RRT-0.9793
11.280	11.278	1025.839	859.222	1.000000	METHAPYRILENE

Injection Date: 9/28/2021 5:00:01 PM Seq Line: 9
Sample Name: MATRIX BLANK after 0.-> Vial 9
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

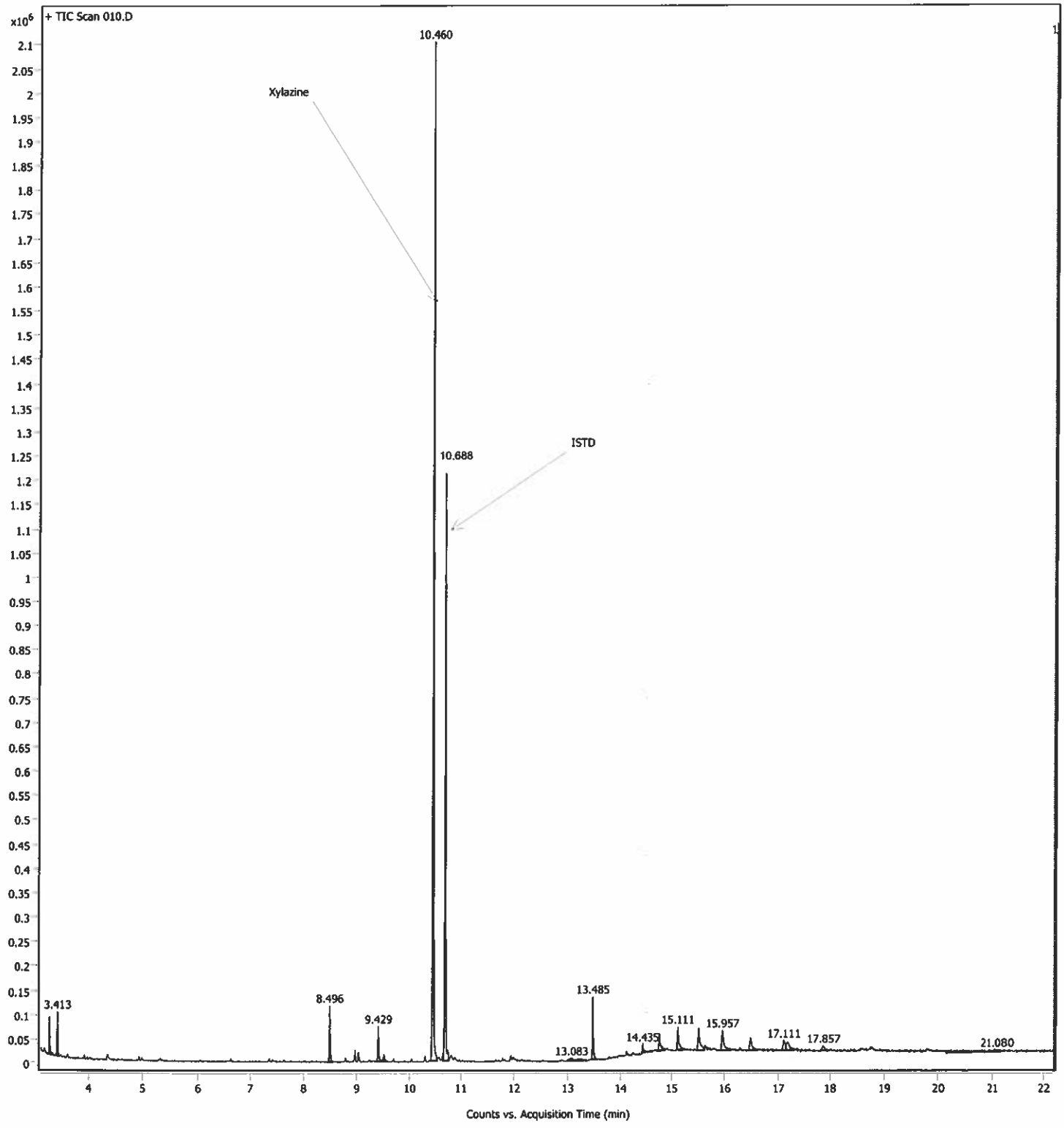
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2 1.0 mg/L - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\010.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 5:33:13 PM (UTC-04:00)
Position	36	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

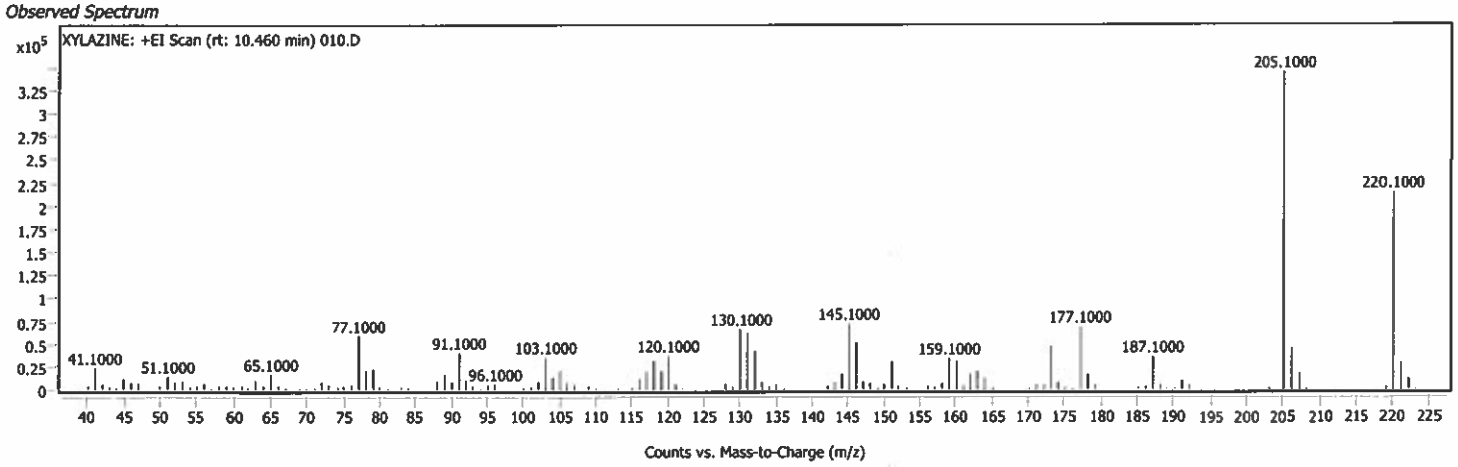
Agilent

Sample Spectra

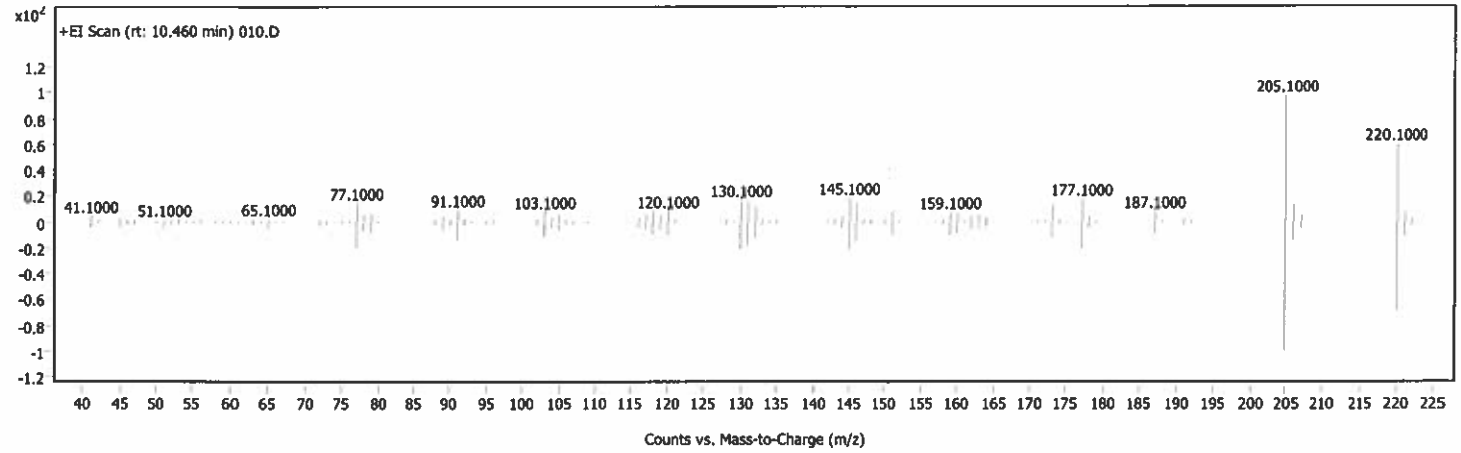
+ Scan (rt: 10.460 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.67	aafs.l	MATRIX 2 1.0 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

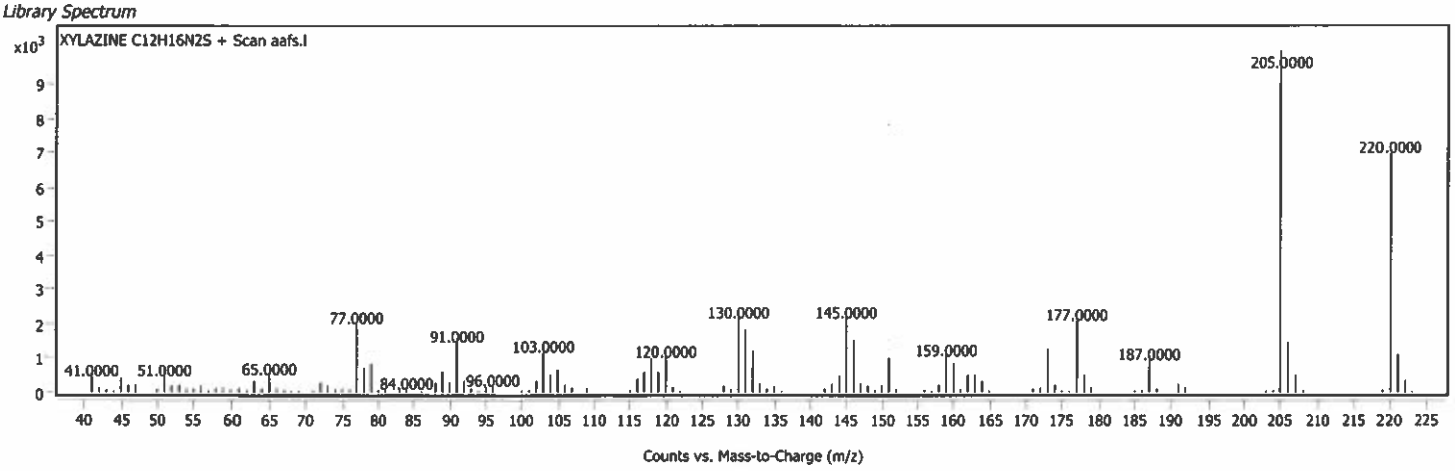
Observed Spectrum



Mirror Plot



Library Spectrum



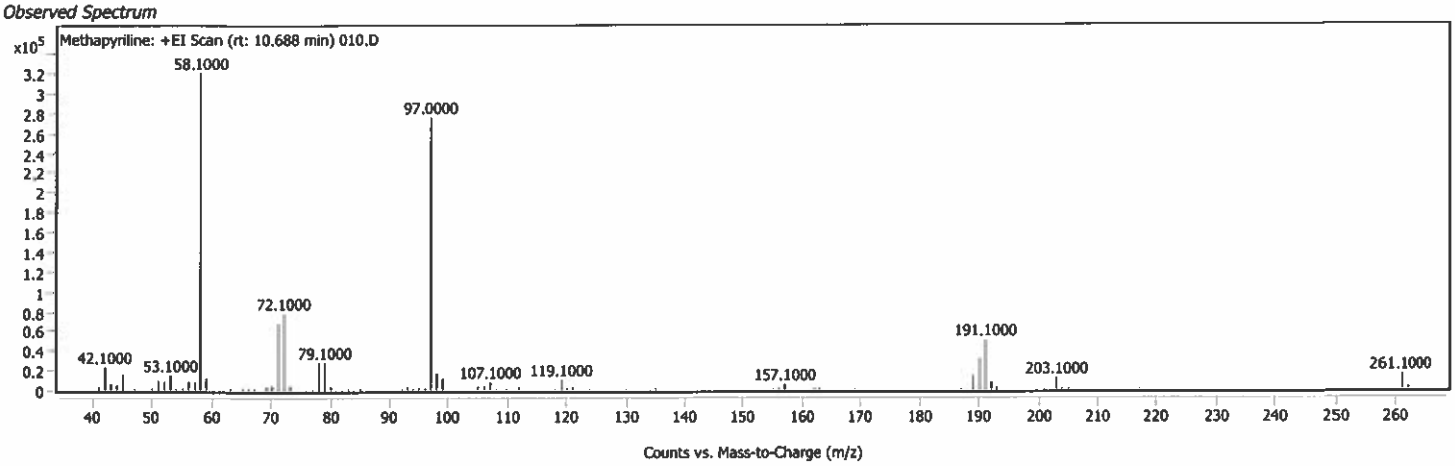
Analysis Report

Agilent

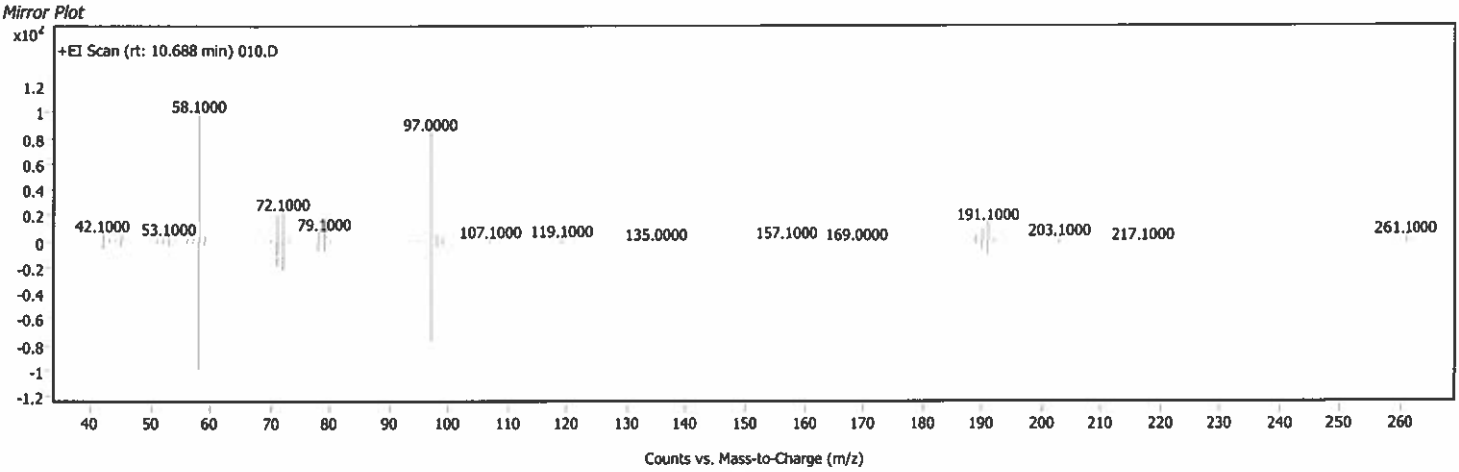
+ Scan (rt: 10.688 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.45	SWGDRUG 3.3.L	MATRIX 2 1.0 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

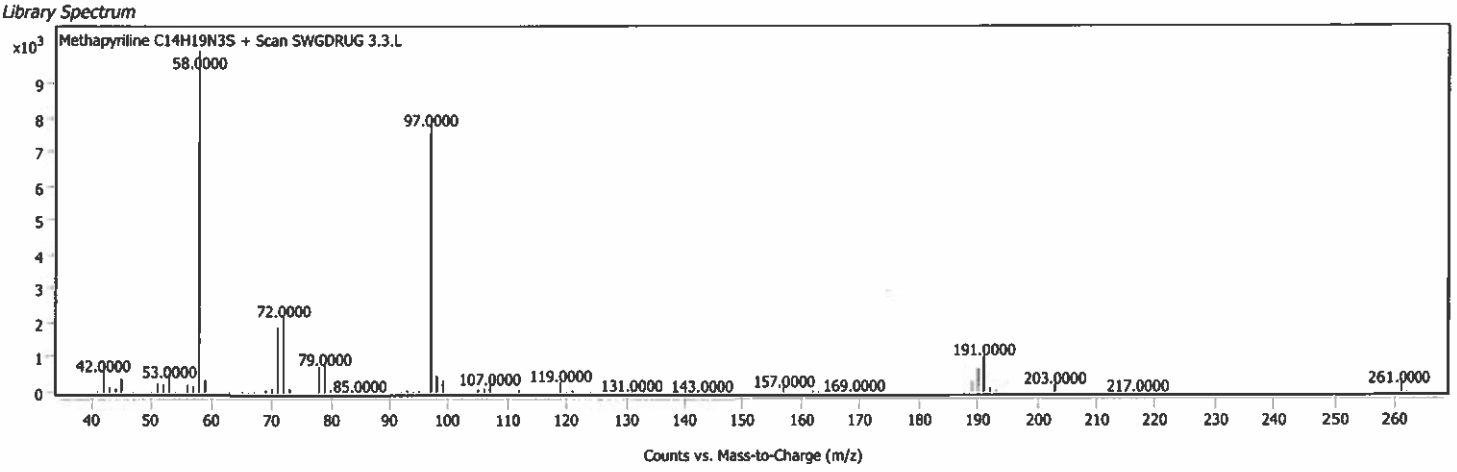
Observed Spectrum



Mirror Plot

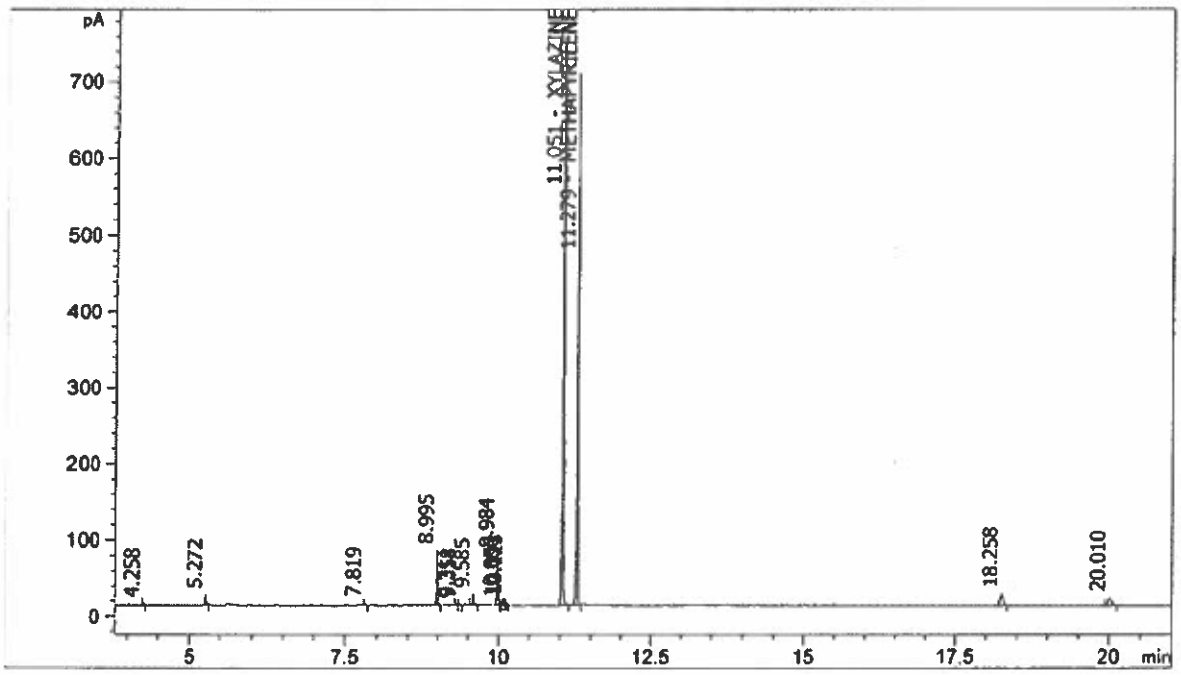


Library Spectrum



Injection Date: 9/28/2021 5:48:39 PM Seq Line: 11
Sample Name: MATRIX 2 1.0 mg/L - BLD Vial 11
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.051	11.046	934.438	740.777	0.000000	XYLAZINE RRT-0.9798
11.279	11.278	810.992	695.724	1.000000	METHAPYRILENE

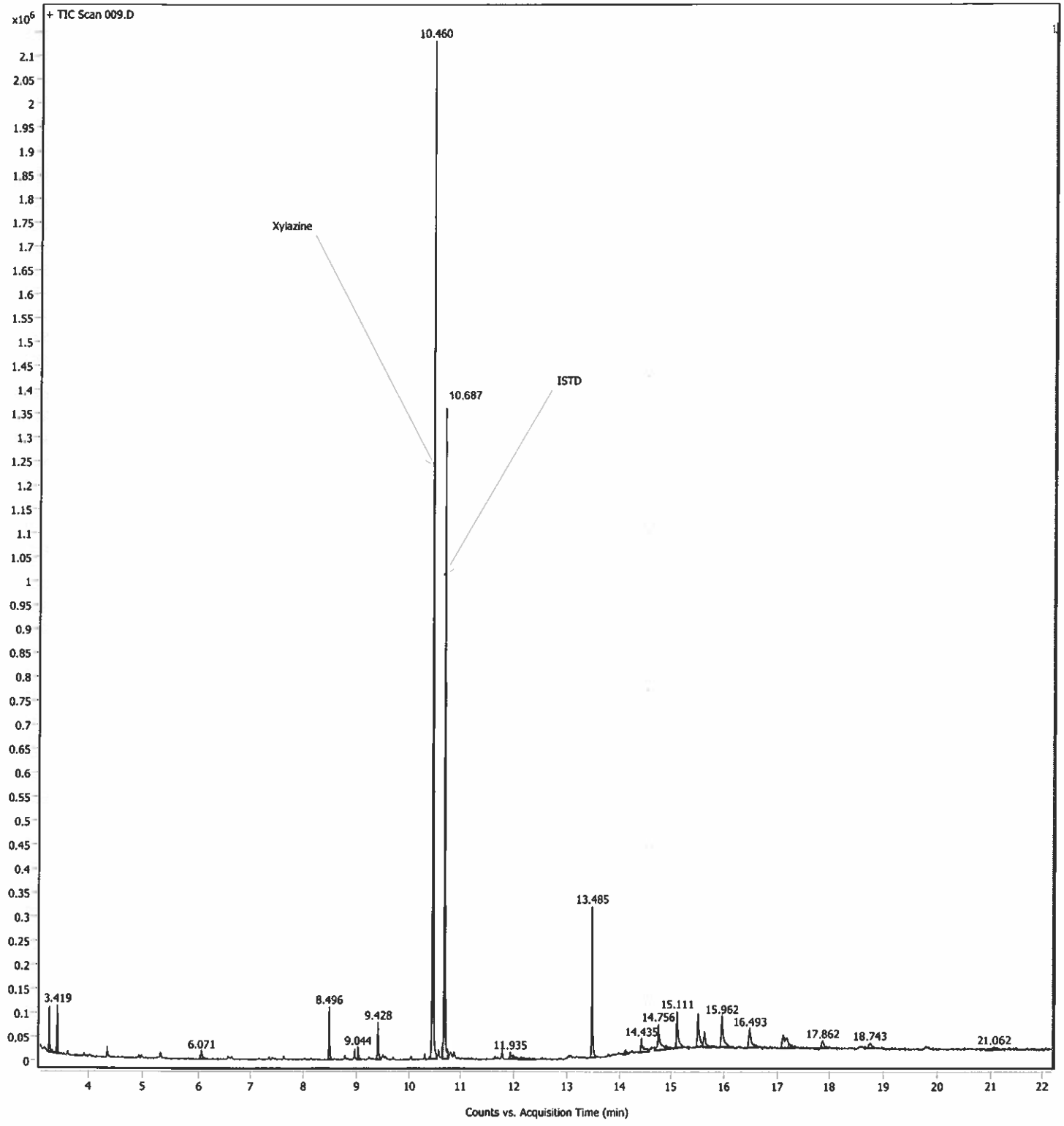
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 1.0 mg/L - 8LD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\009.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 5:07:26 PM (UTC-04:00)
Position	35	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

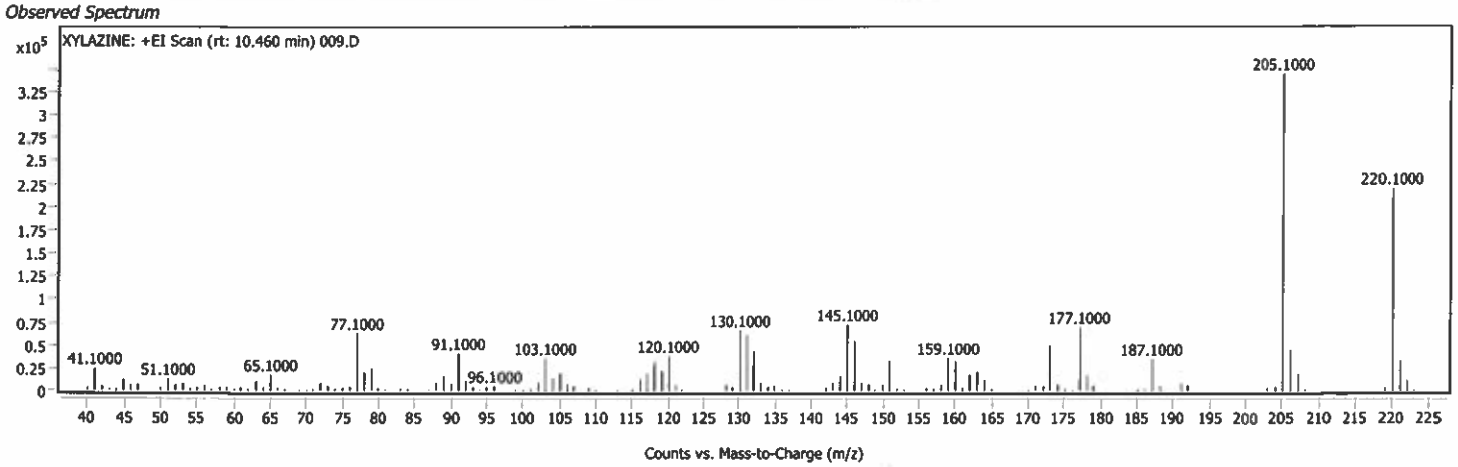
Agilent

Sample Spectra

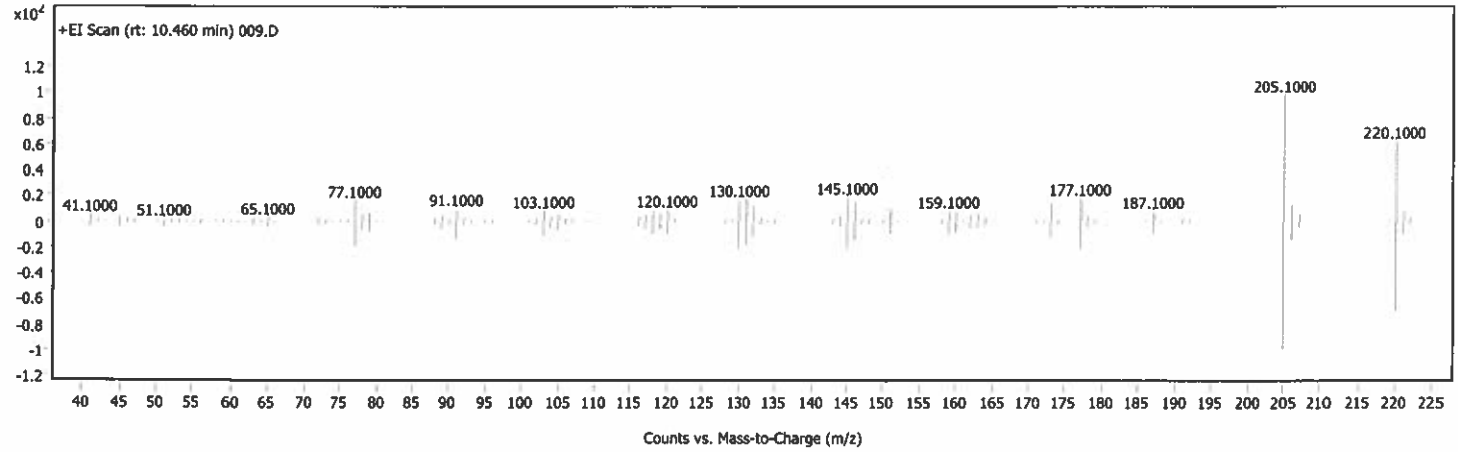
+ Scan (rt: 10.460 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.75	aafs.l	MATRIX 1 1.0 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

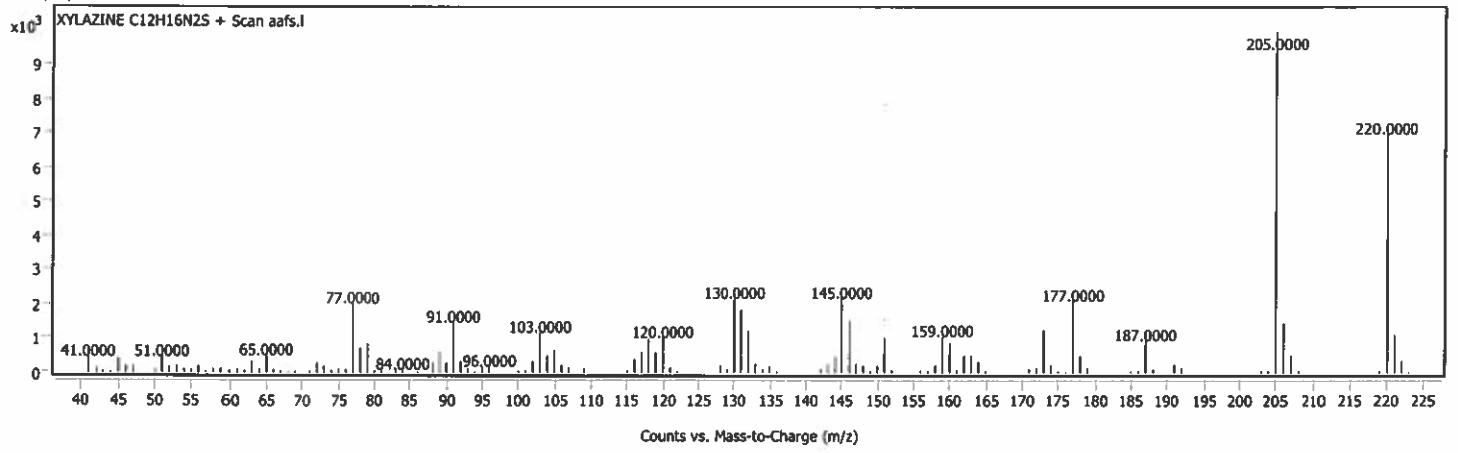
Observed Spectrum



Mirror Plot



Library Spectrum



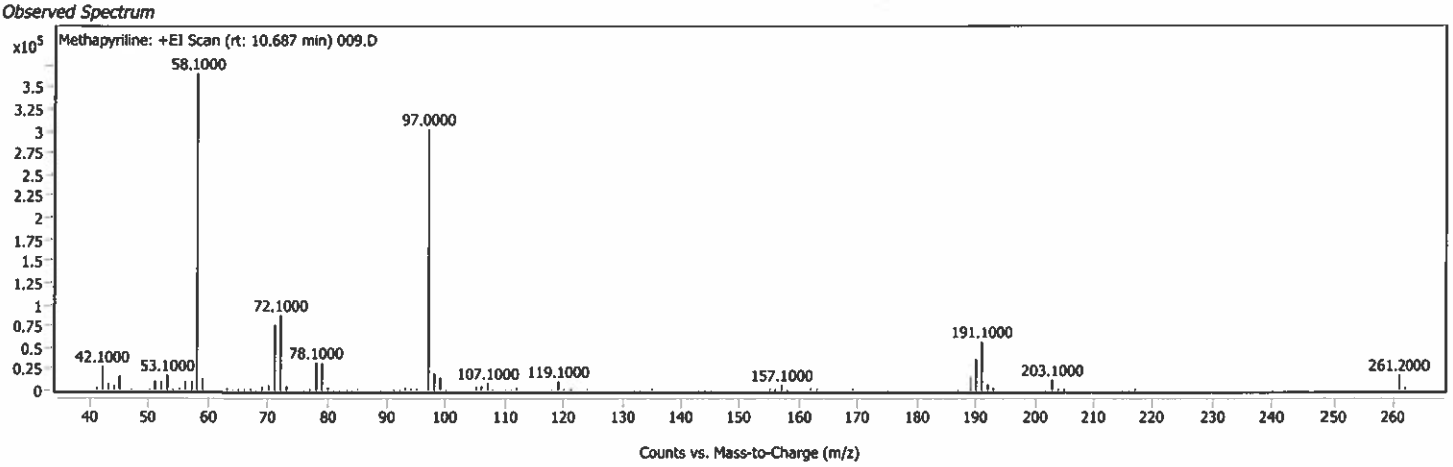
Analysis Report

Agilent

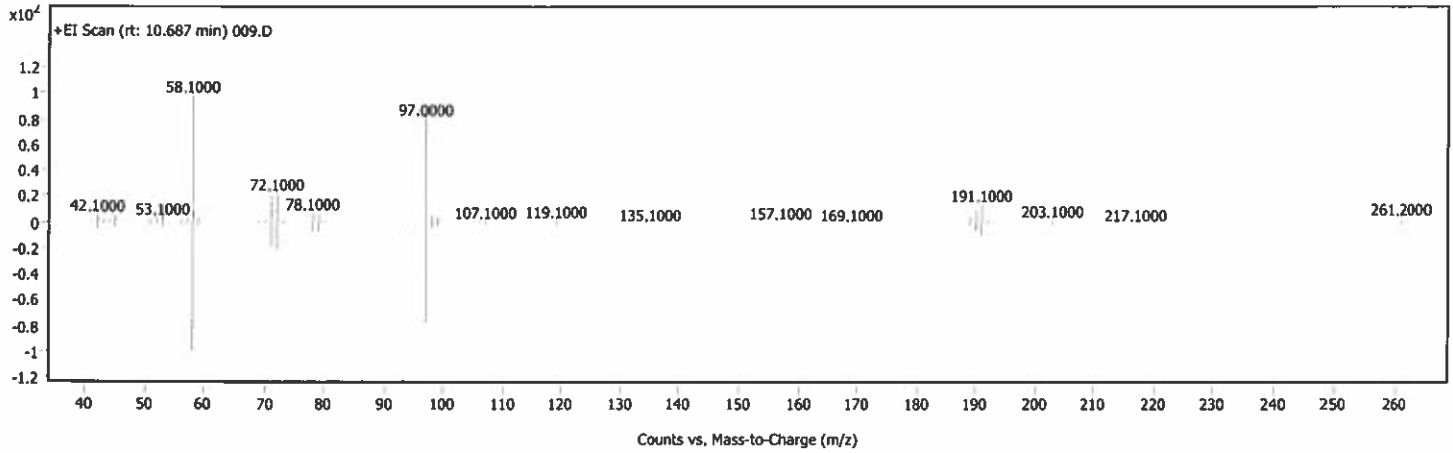
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.76	SWGDRUG 3.3.L	MATRIX 1 1.0 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

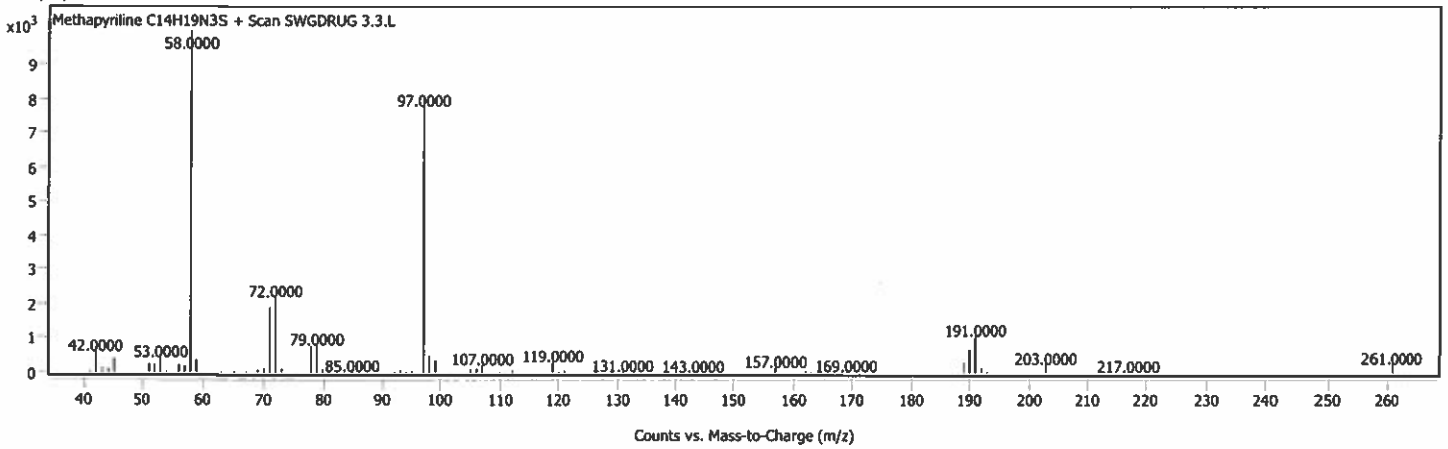
Observed Spectrum



Mirror Plot

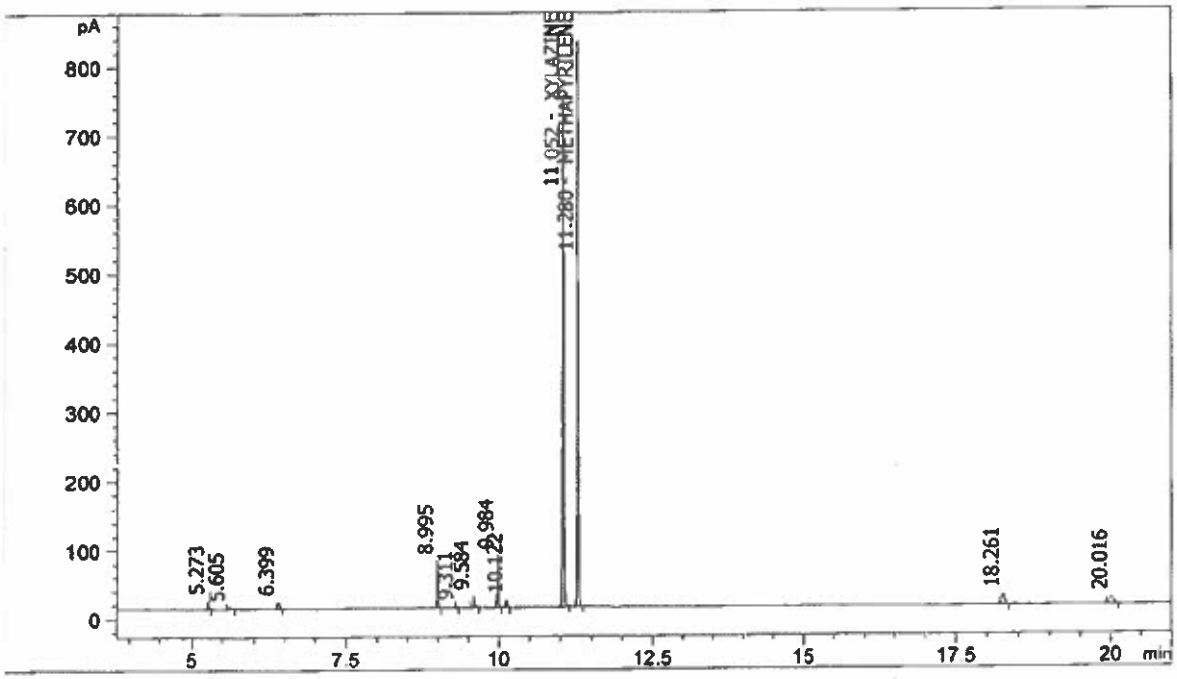


Library Spectrum



Injection Date: 9/28/2021 5:24:23 PM Seq Line: 10
Sample Name: MATRIX 1 1.0 mg/L - BLD Vial 10
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.052	11.046	955.597	742.159	0.000000	XYLAZINE RRT - 0.9798
11.280	11.278	954.907	818.491	1.000000	METHAPYRILENE

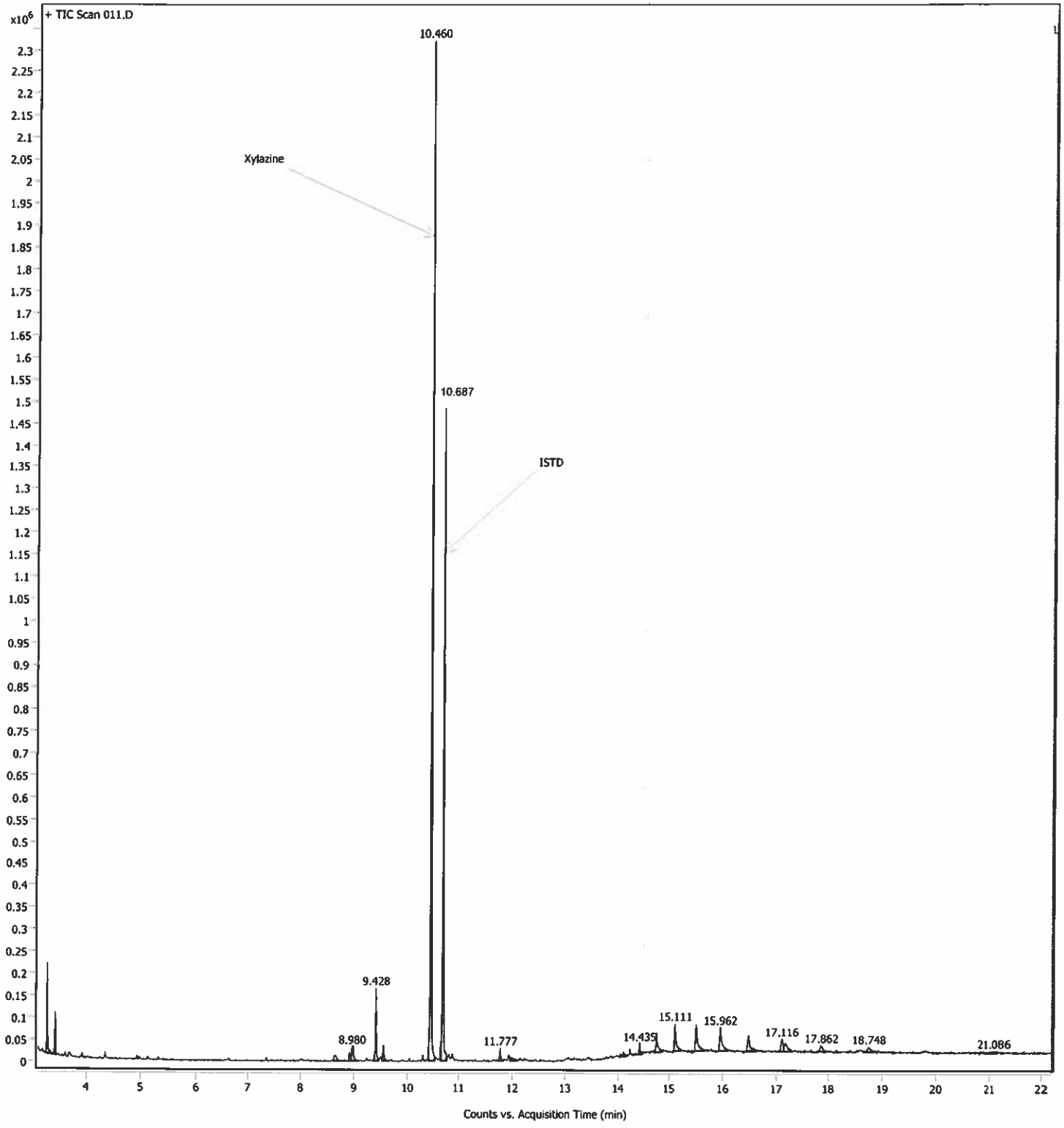
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 1.0 mg/L - URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\011.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 5:59:01 PM (UTC-04:00)
Position	37	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

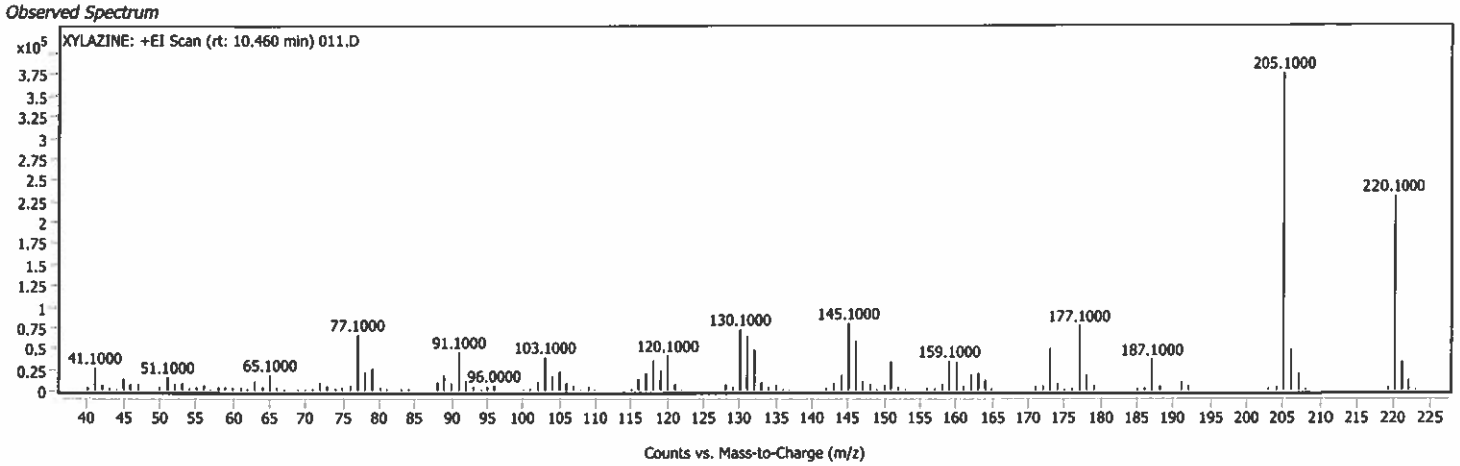
Agilent

Sample Spectra

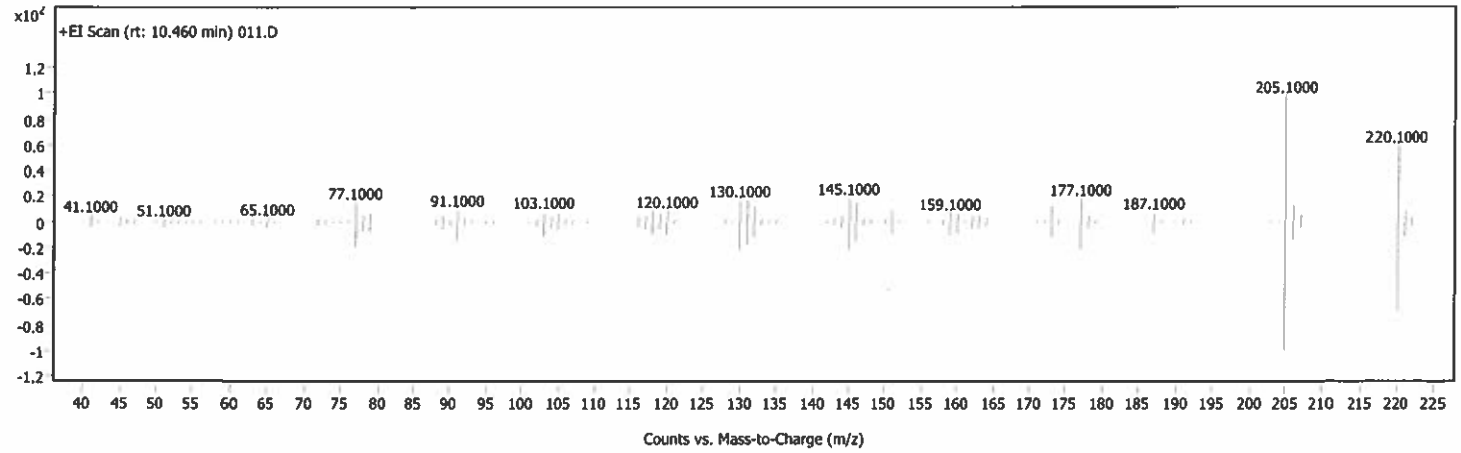
+ Scan (rt: 10.460 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.83	aafs.l	MATRIX 6 1.0 mg/L - URN	KM/QC DATA IN XYLAZINE VALIDATION

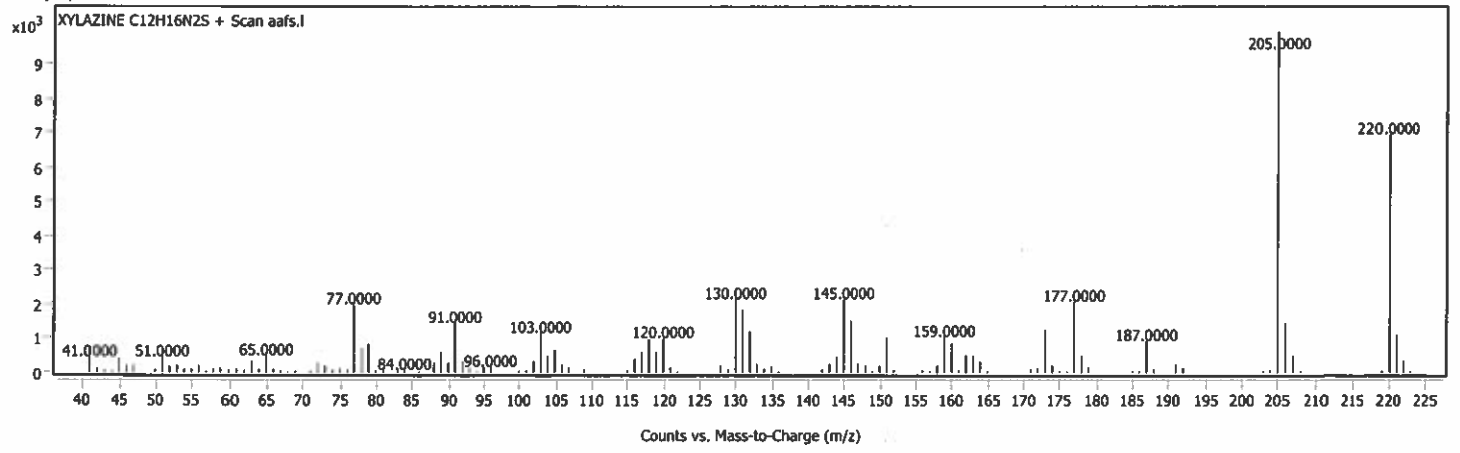
Observed Spectrum



Mirror Plot



Library Spectrum



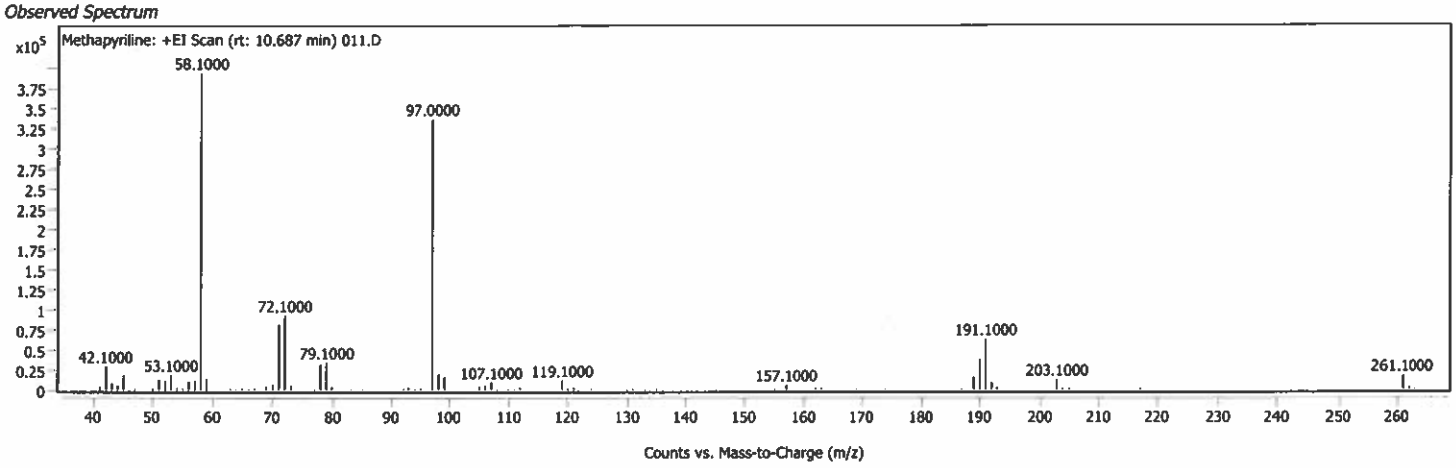
Analysis Report

Agilent

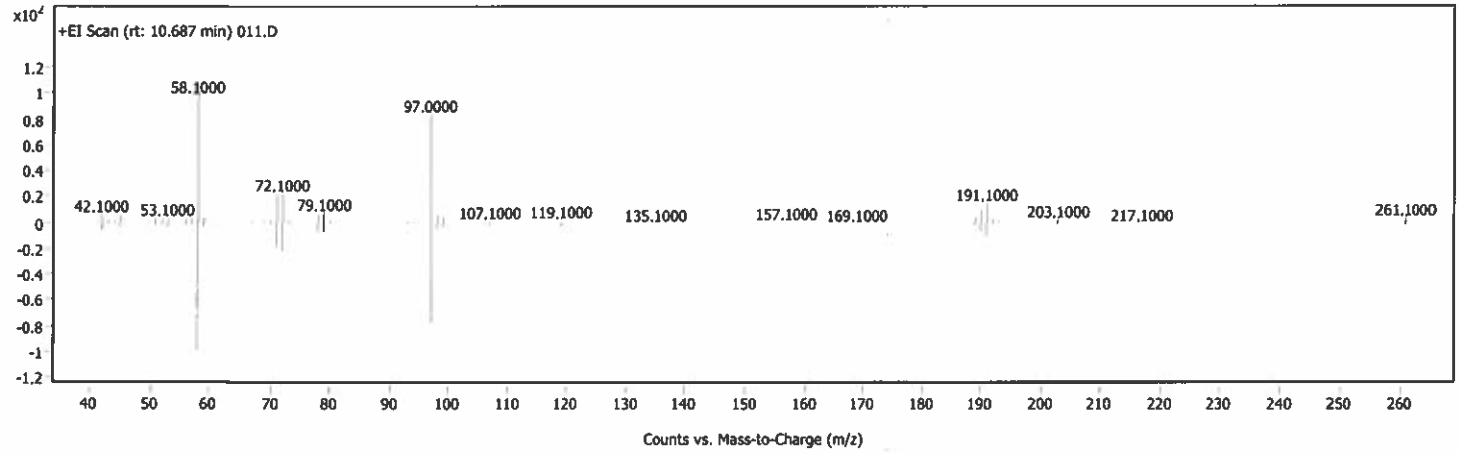
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.63	SWGDRUG 3.3.L	MATRIX 6 1.0 mg/L - URN	KM/QC DATA IN XYLAZINE VALIDATION

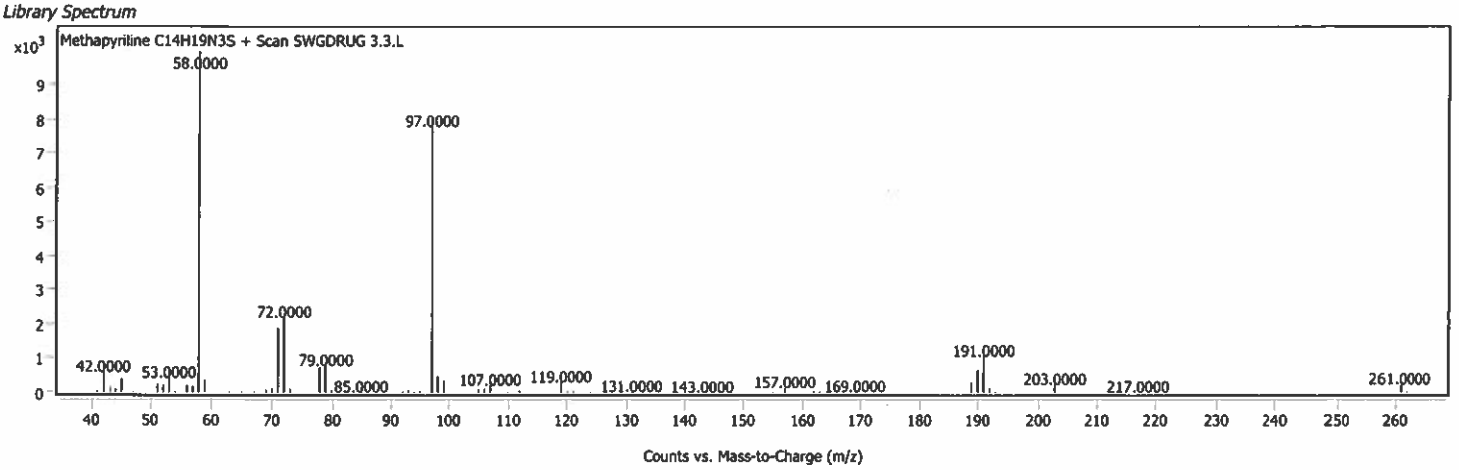
Observed Spectrum



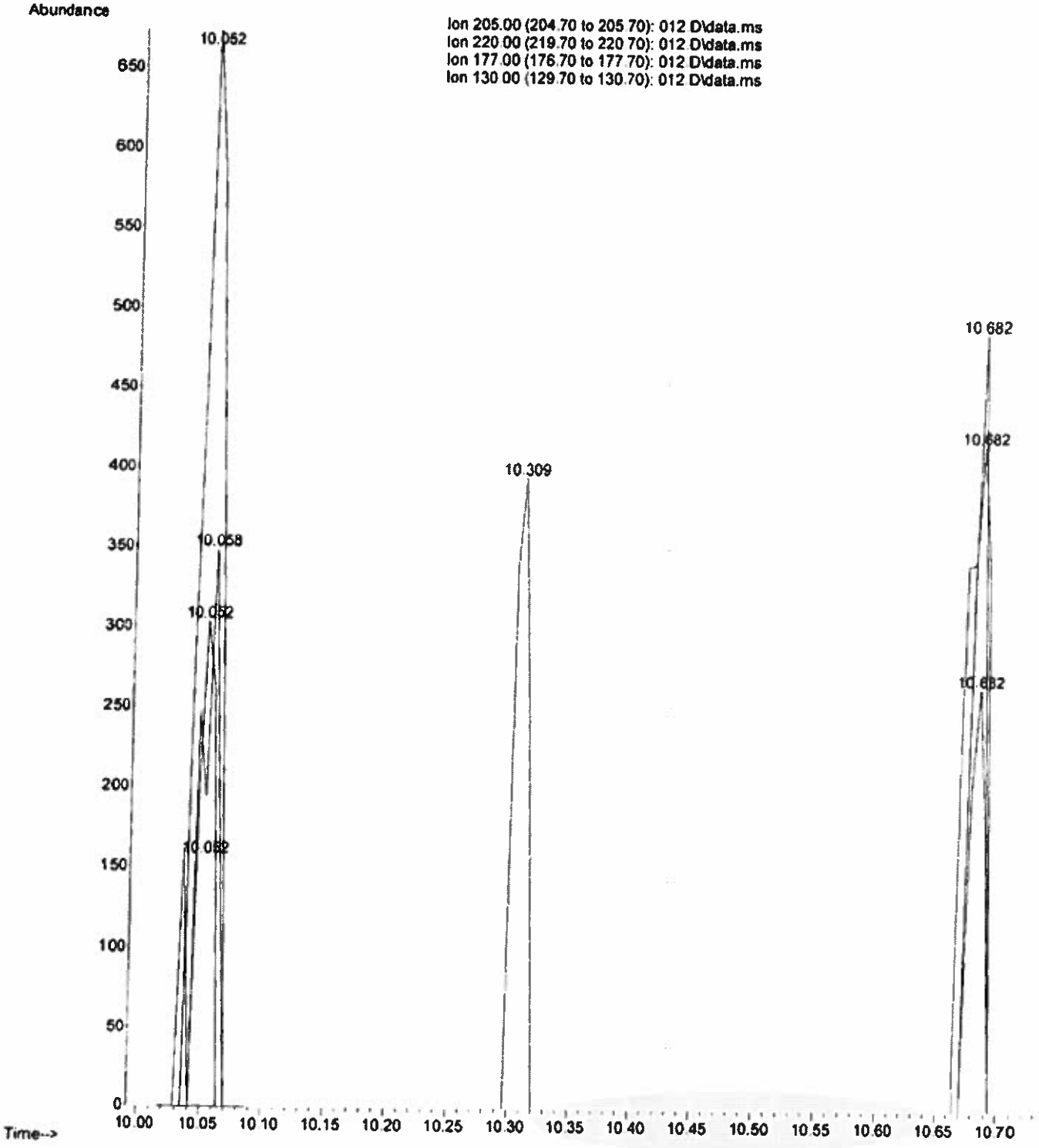
Mirror Plot



Library Spectrum



File :C:\Users\TOX\Desktop\092821\012.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 28 Sep 2021 18:24 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK after 1.0 mg/L
Misc Info :
Vial Number: 38



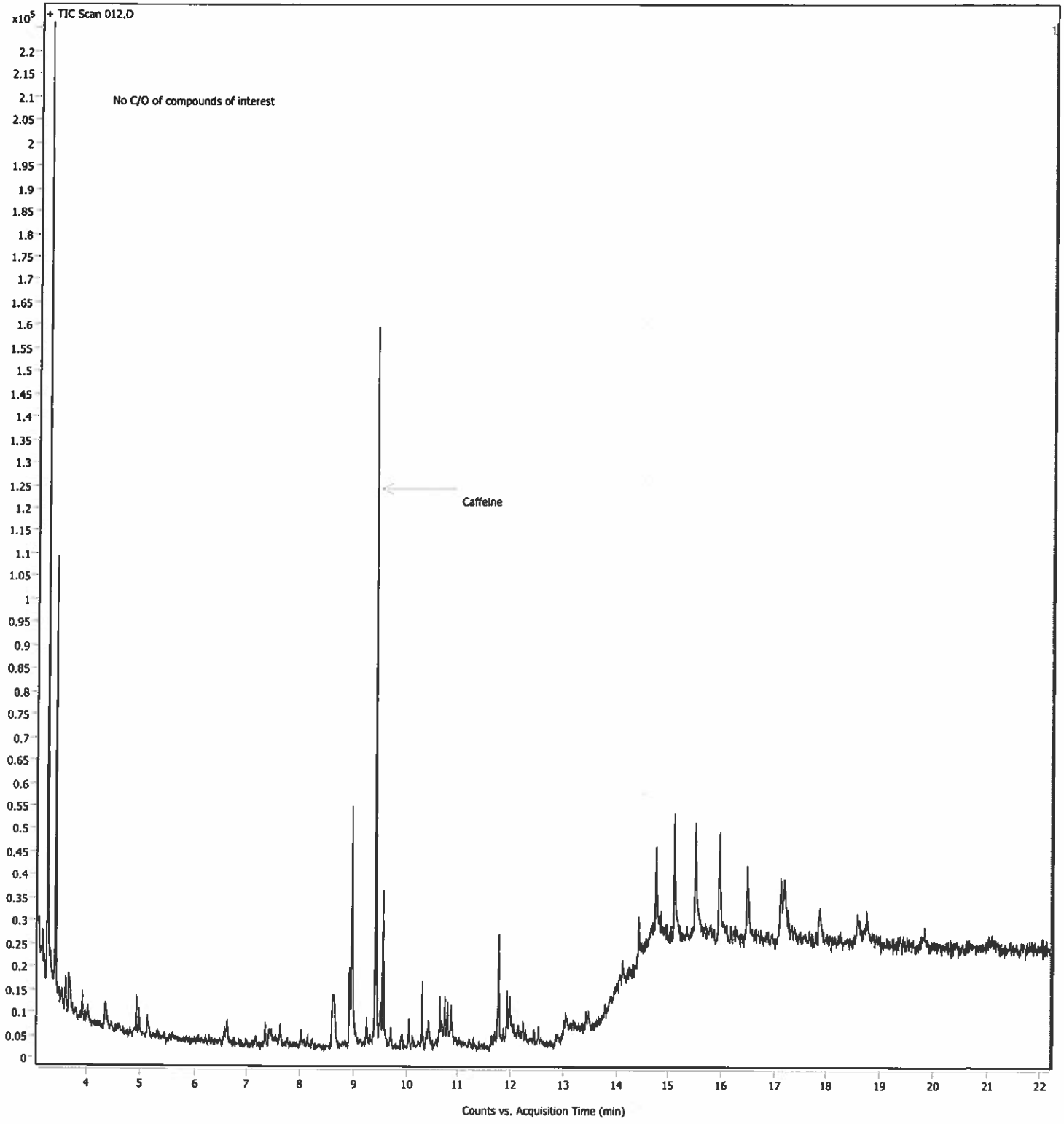
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX BLANK after 1.0 mg/L	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\012.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 6:24:54 PM (UTC-04:00)
Position	38	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

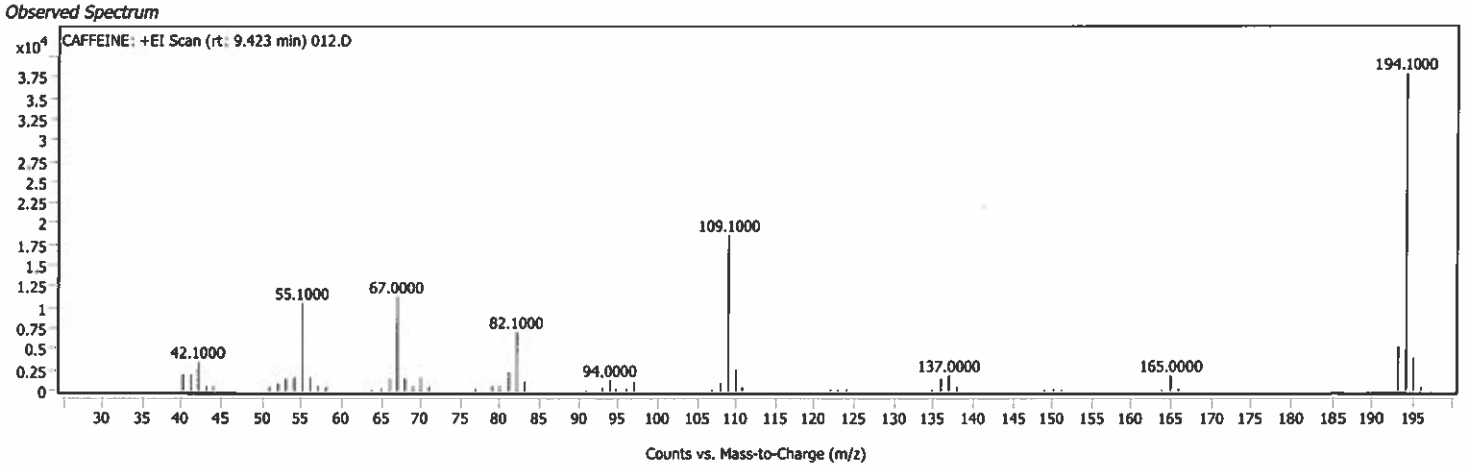
Agilent

Sample Spectra

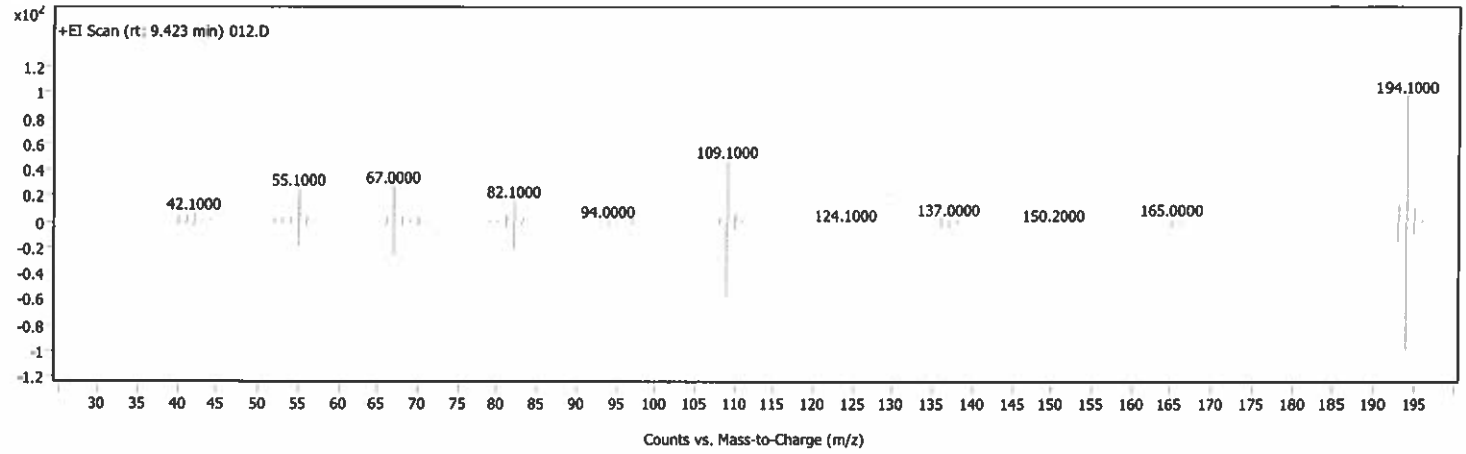
+ Scan (rt: 9.423 min) **CAFFEINE; C8H10N4O2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CAFFEINE	C8H10N4O2	98.67	aafs.l	MATRIX BLANK after 1.0 mg/L	KM/QC DATA IN XYLAZINE VALIDATION

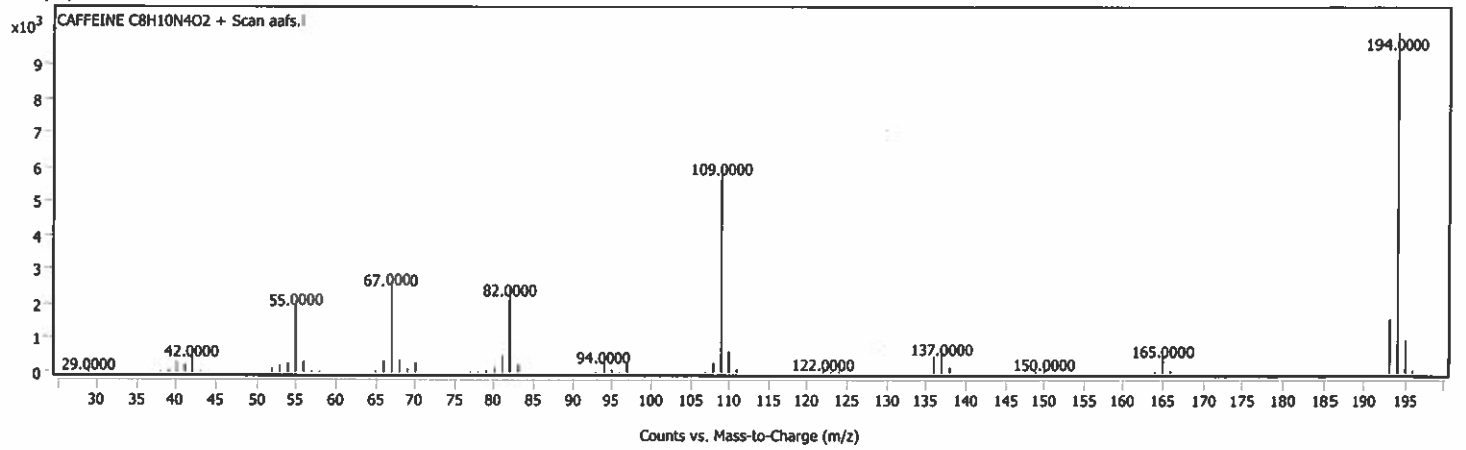
Observed Spectrum



Mirror Plot

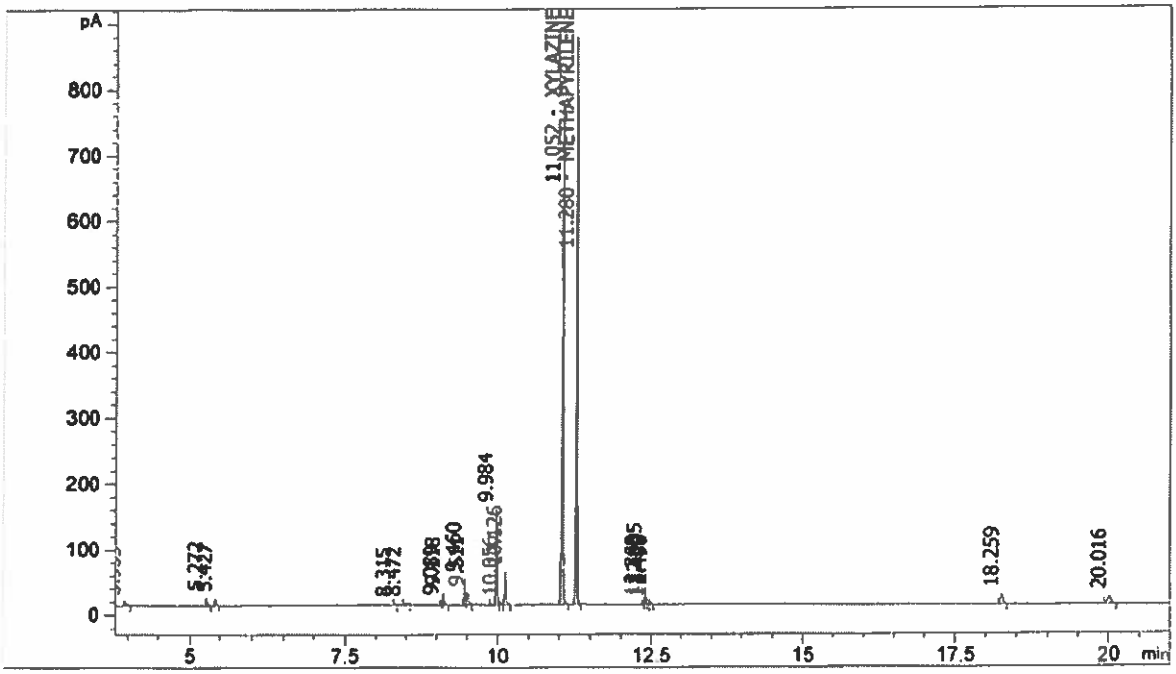


Library Spectrum



Injection Date: 9/28/2021 6:12:56 PM Seq Line: 12
Sample Name: MATRIX 6 1.0 mg/L - URN Vial 12
Sample Info:

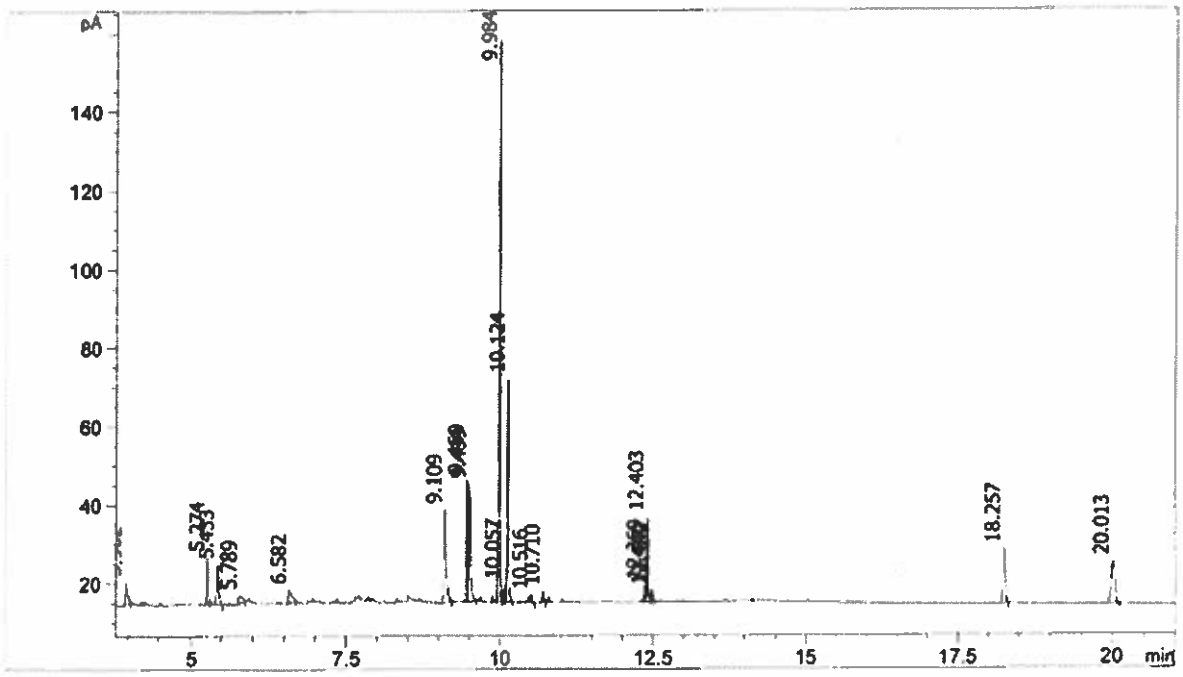
Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.052	11.046	994.796	755.586	0.000000	XYLAZINE RRT-0.9798
11.280	11.278	1031.261	862.071	1.000000	METHAPYRILENE

Injection Date: 9/28/2021 6:37:18 PM Seq Line: 13
Sample Name: MATRIX BLANK after 1.-> Vial 13
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE

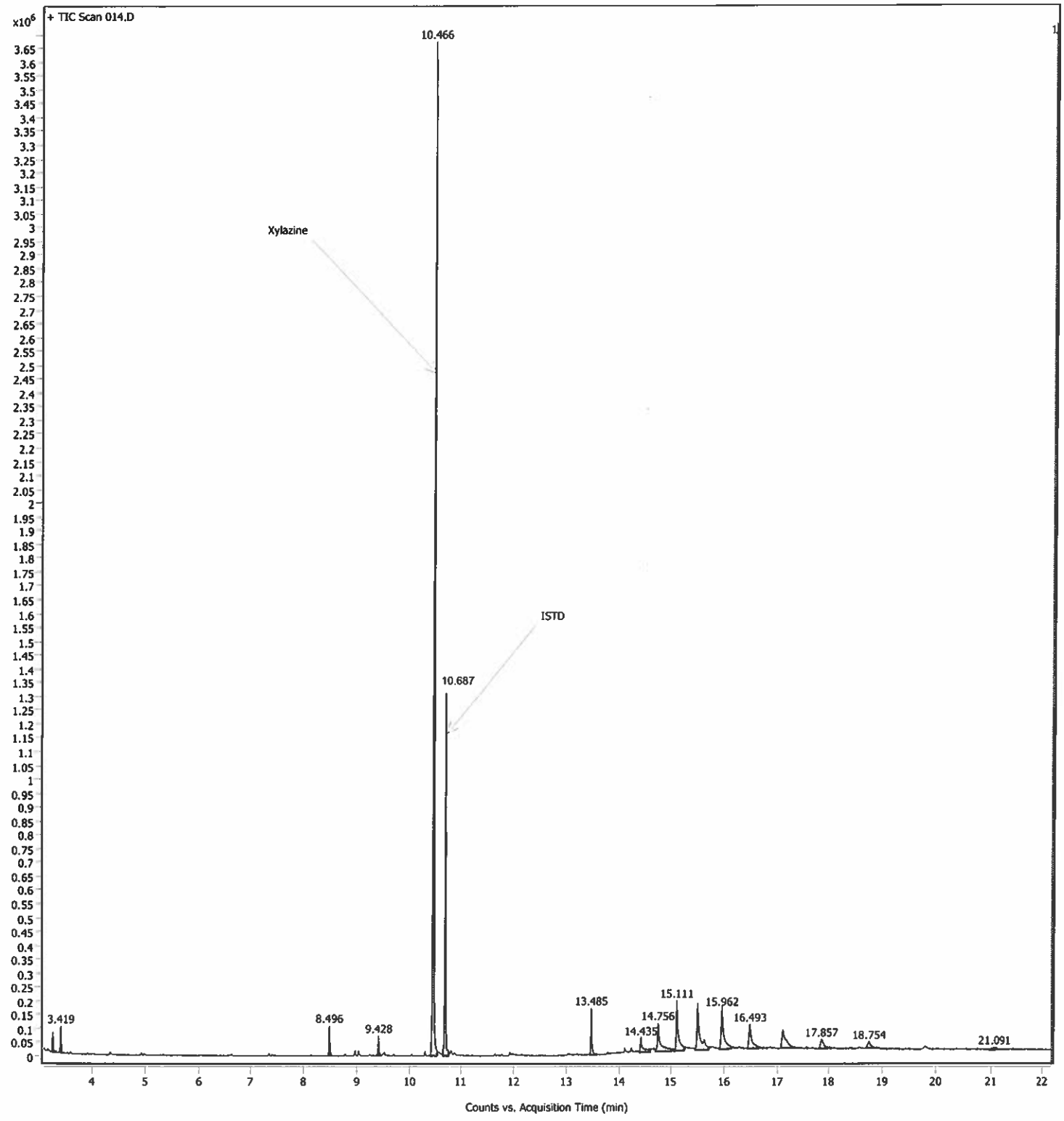
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 2 2.0 mg/L - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\014.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 7:16:26 PM (UTC-04:00)
Position	40	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

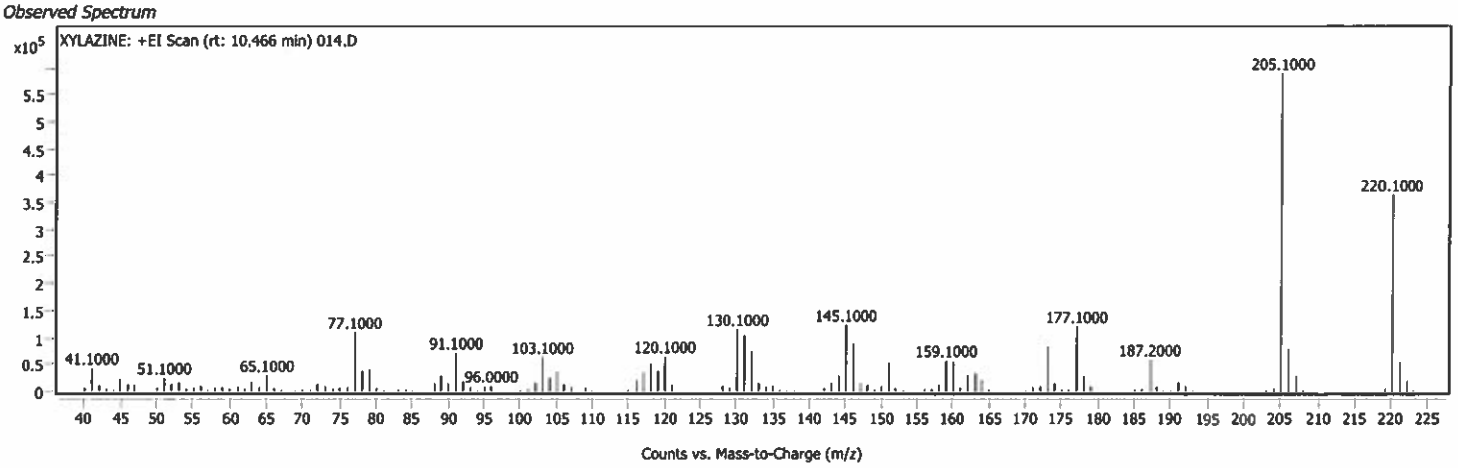
Agilent

Sample Spectra

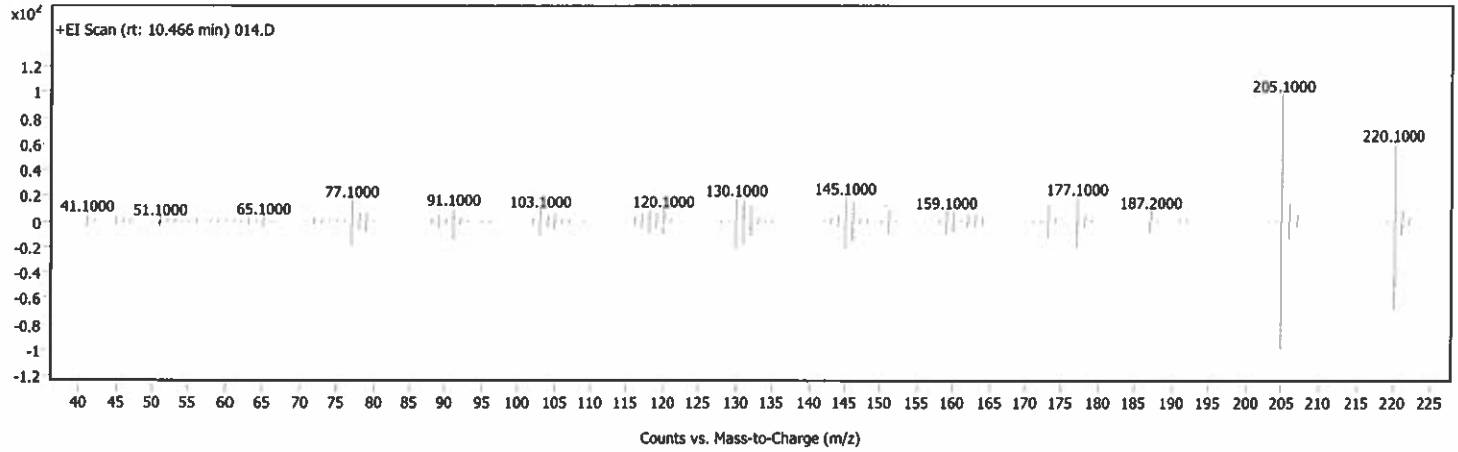
+ Scan (rt: 10.466 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.74	aafs.l	MATRIX 2 2.0 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

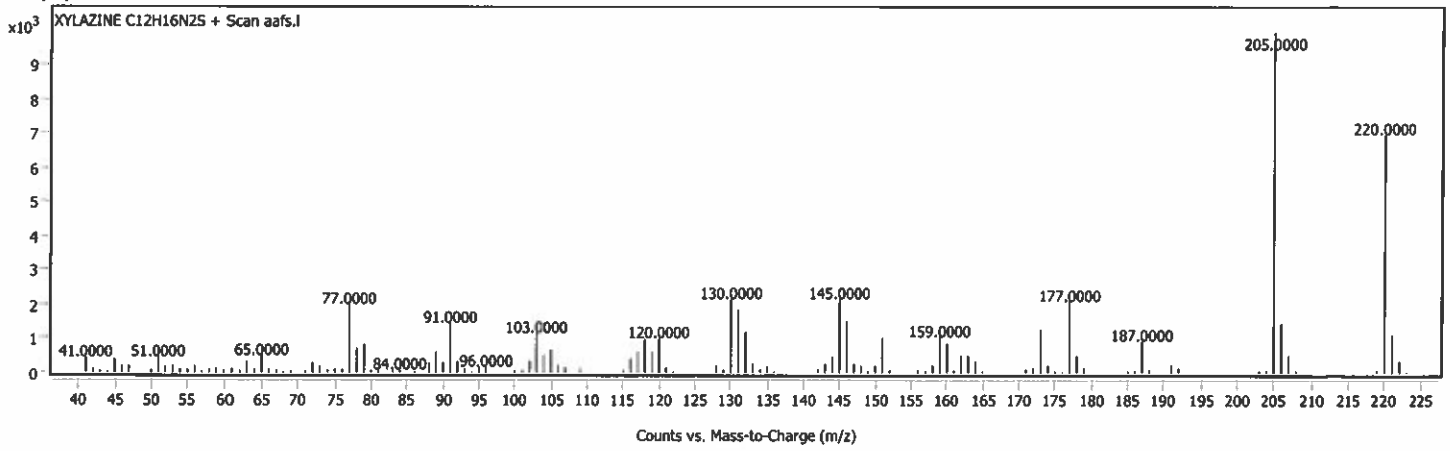
Observed Spectrum



Mirror Plot



Library Spectrum



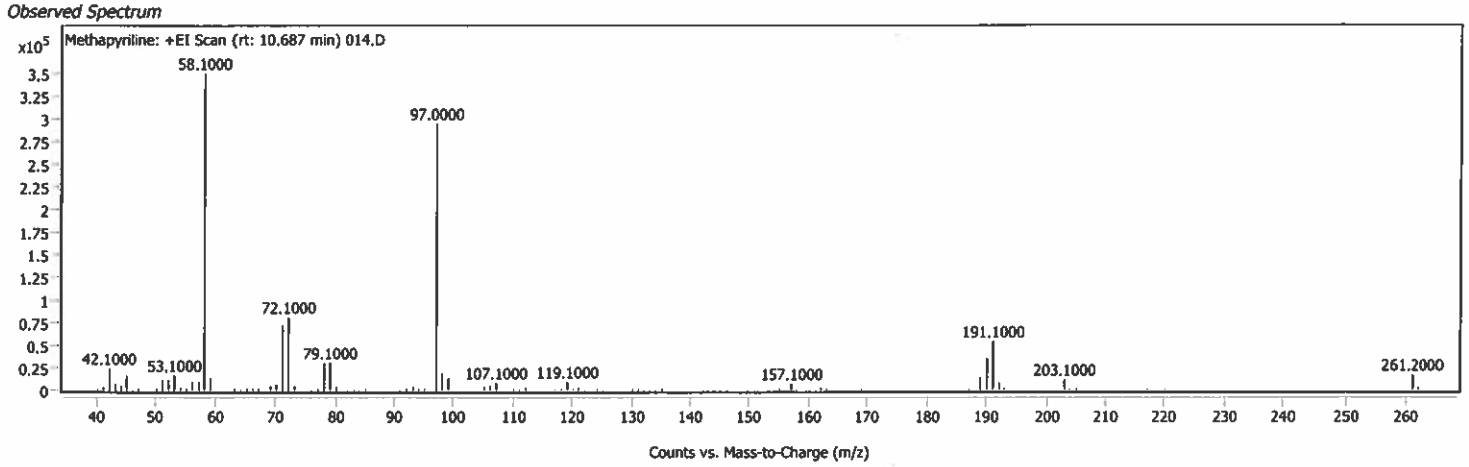
Analysis Report

Agilent

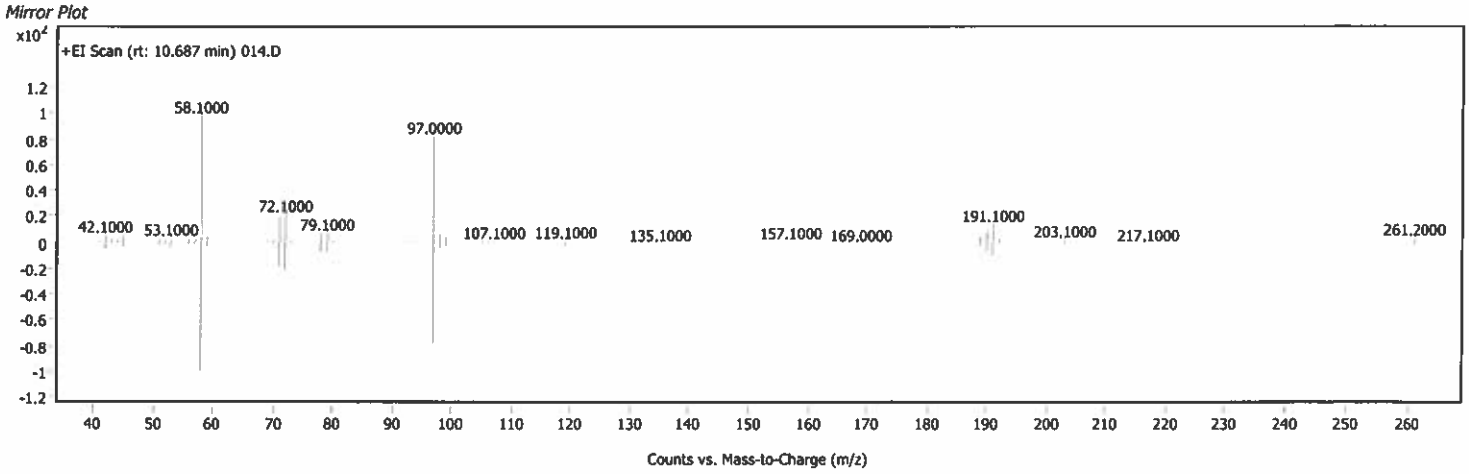
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.56	SWGDRUG 3.3.L	MATRIX 2 2.0 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

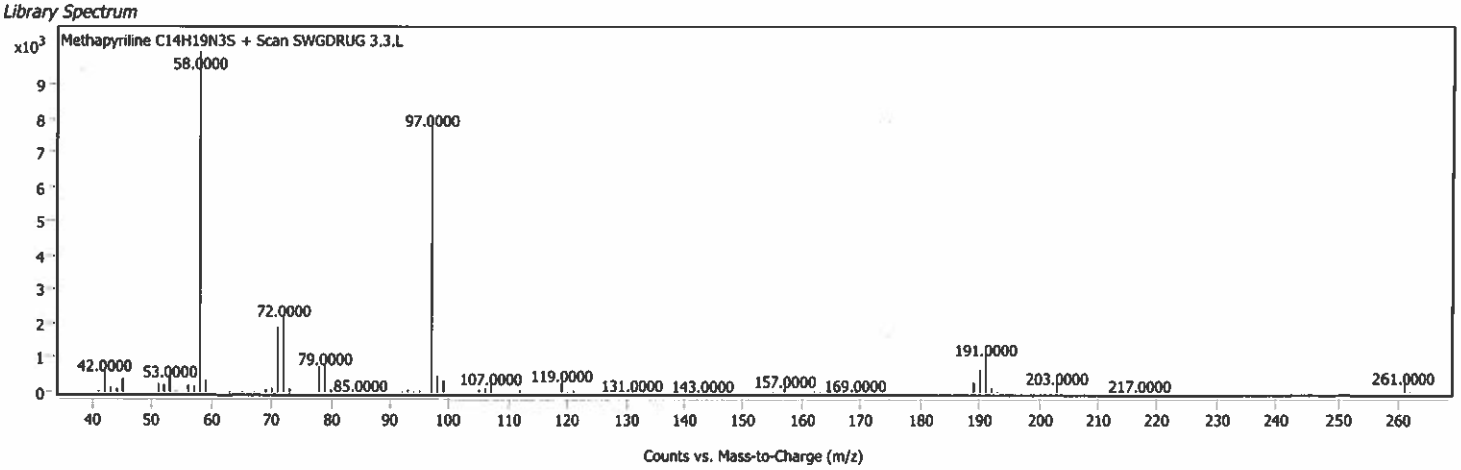
Observed Spectrum



Mirror Plot

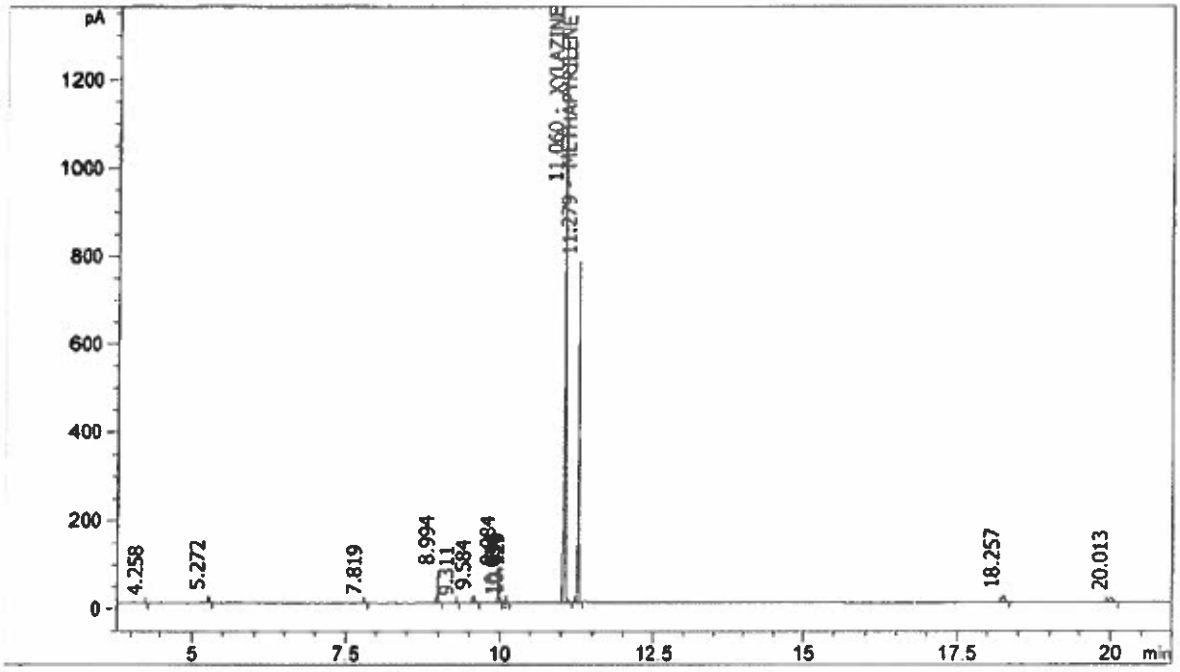


Library Spectrum



Injection Date: 9/28/2021 7:25:52 PM Seq Line: 15
Sample Name: MATRIX 2 2.0 mg/L - BLD Vial 15
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.060	11.046	1891.334	1272.978	0.000000	XYLAZINE RRT - 0.9806
11.279	11.278	920.167	773.041	1.000000	METHAPYRILENE

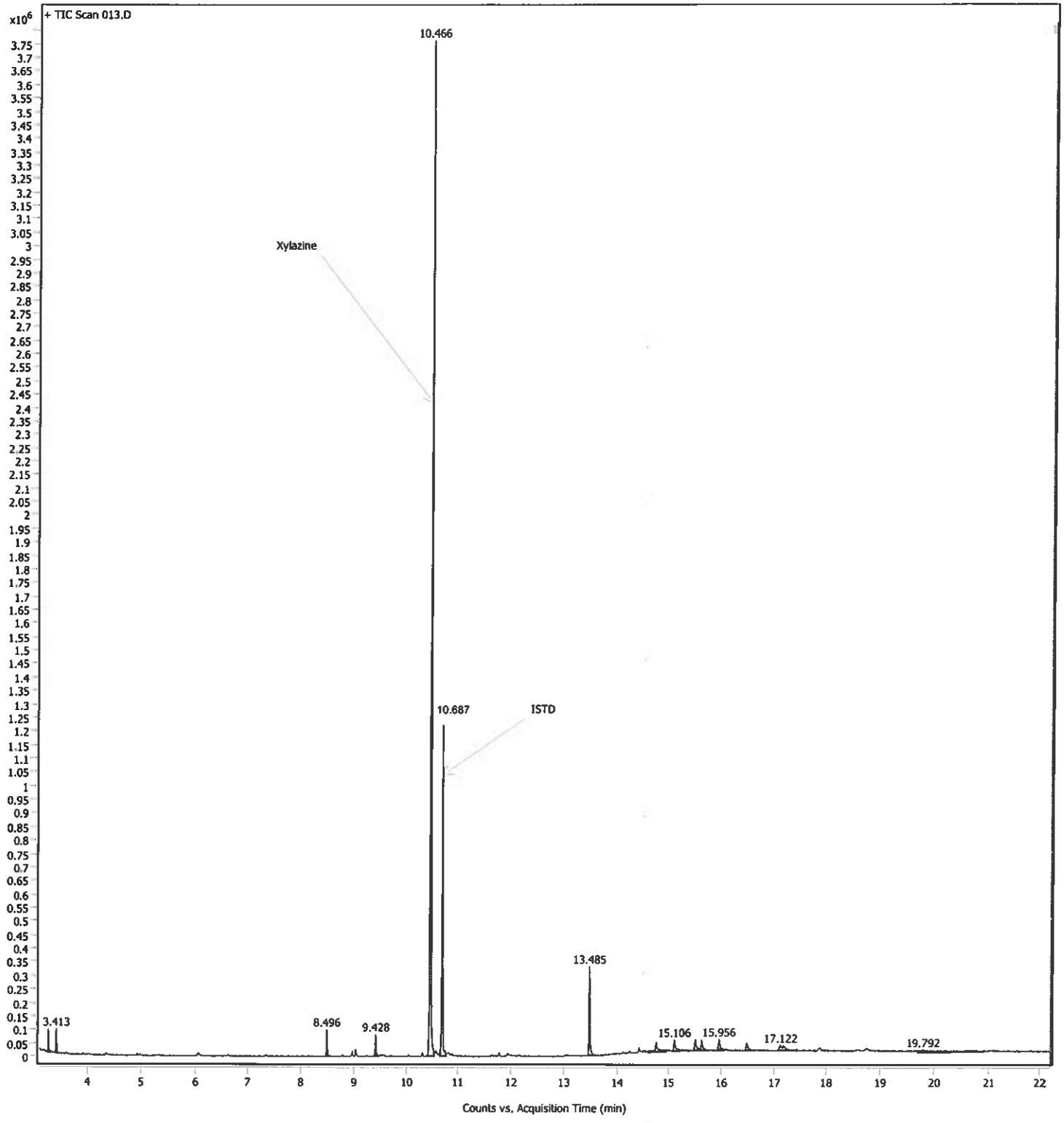
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 1 2.0 mg/L - BLD	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\013.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 6:50:41 PM (UTC-04:00)
Position	39	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

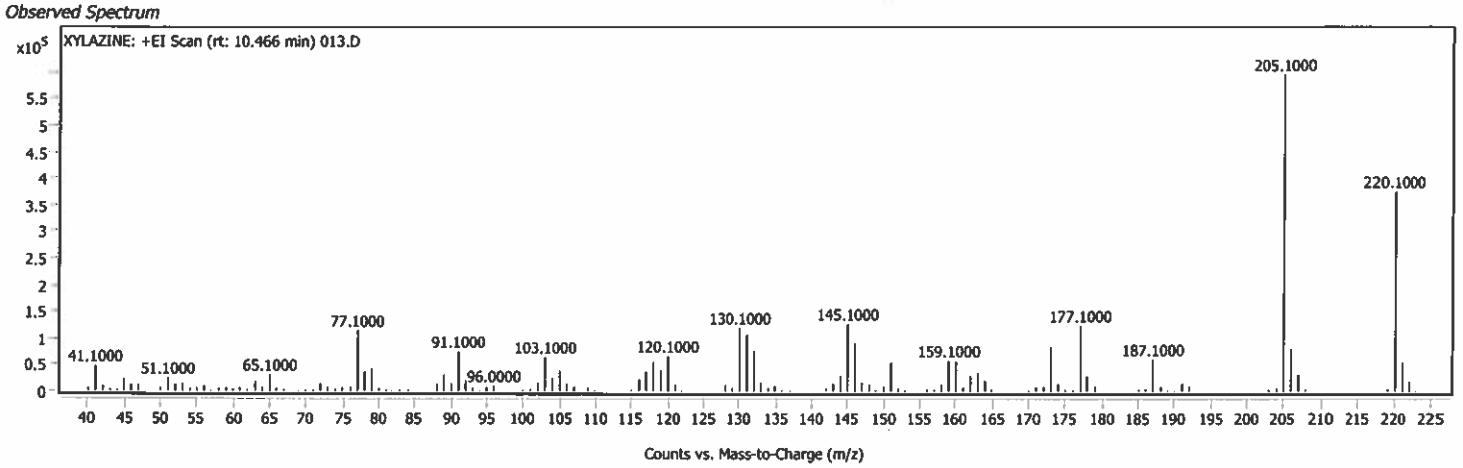
Agilent

Sample Spectra

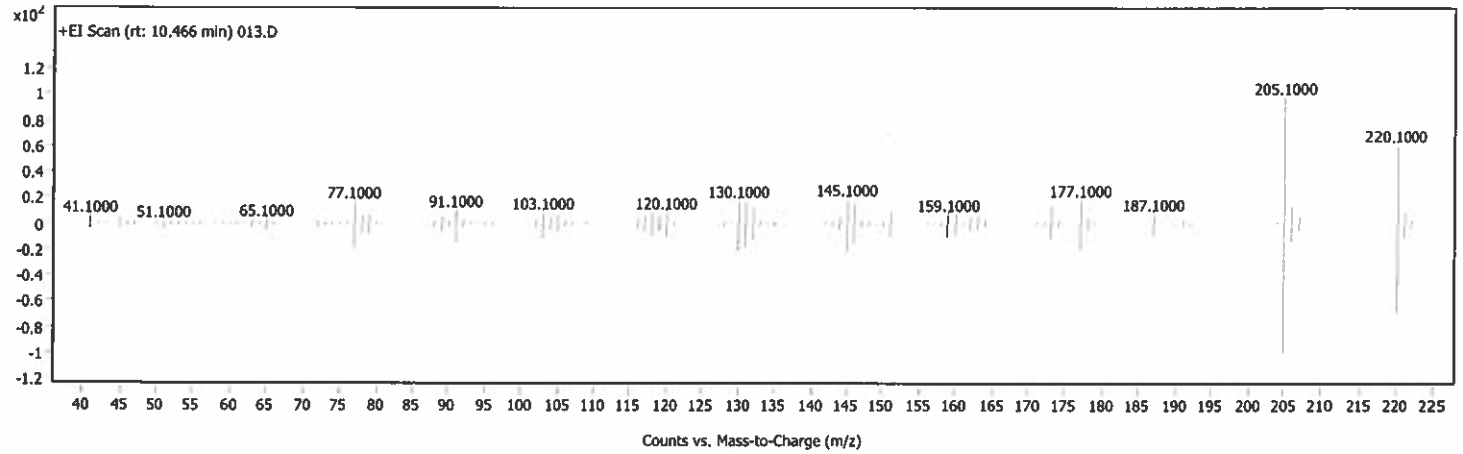
+ Scan (rt: 10.466 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.76	aafs.l	MATRIX 1 2.0 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

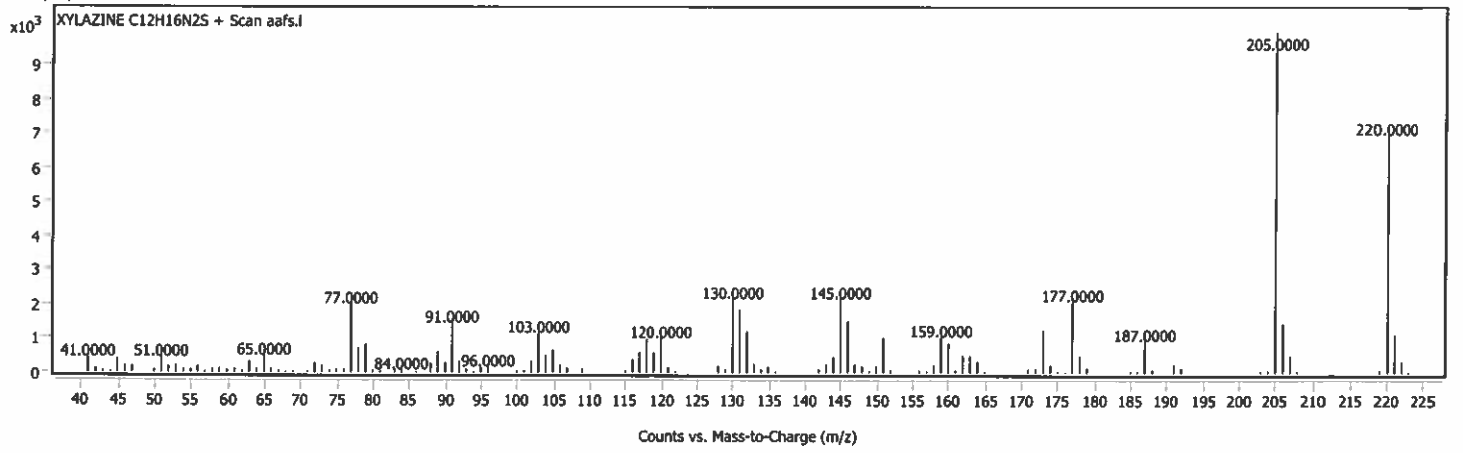
Observed Spectrum



Mirror Plot



Library Spectrum



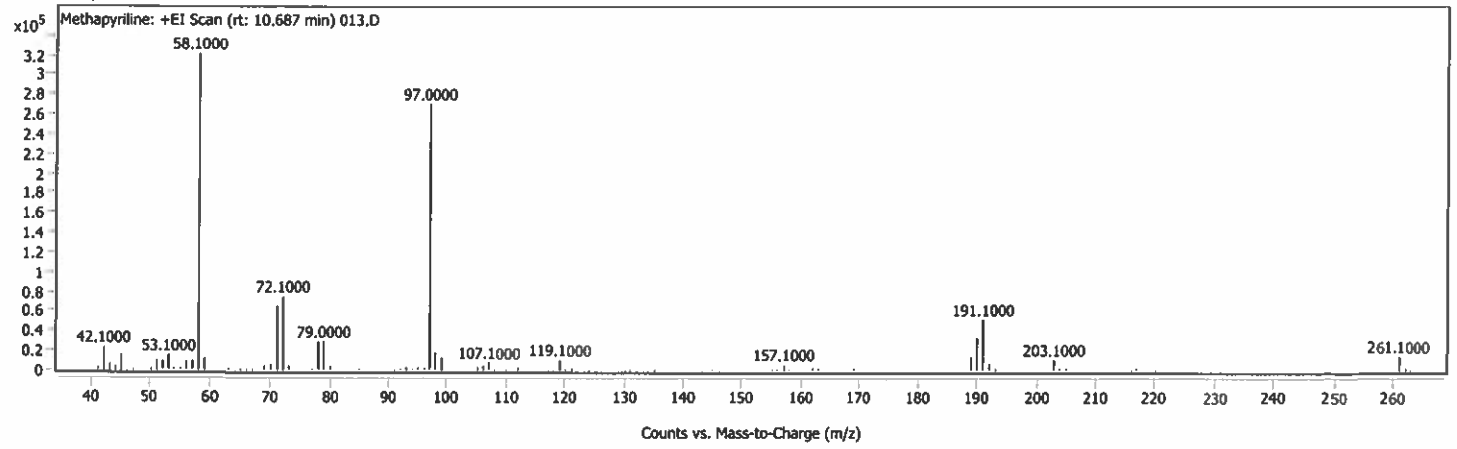
Analysis Report

Agilent

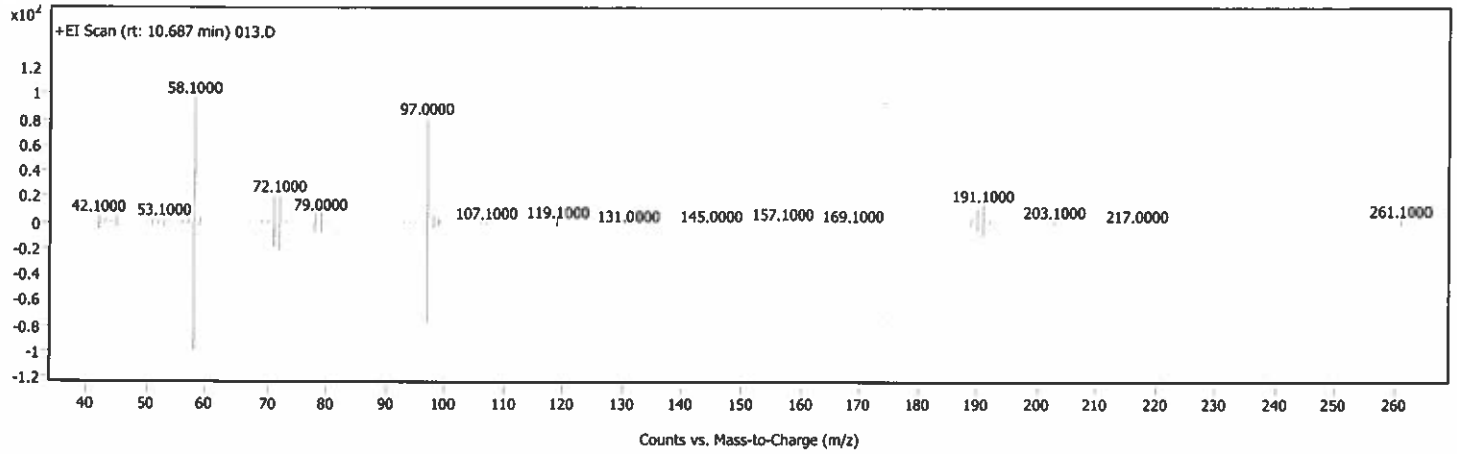
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.22	SWGDRUG 3.3.L	MATRIX 1 2.0 mg/L - BLD	KM/QC DATA IN XYLAZINE VALIDATION

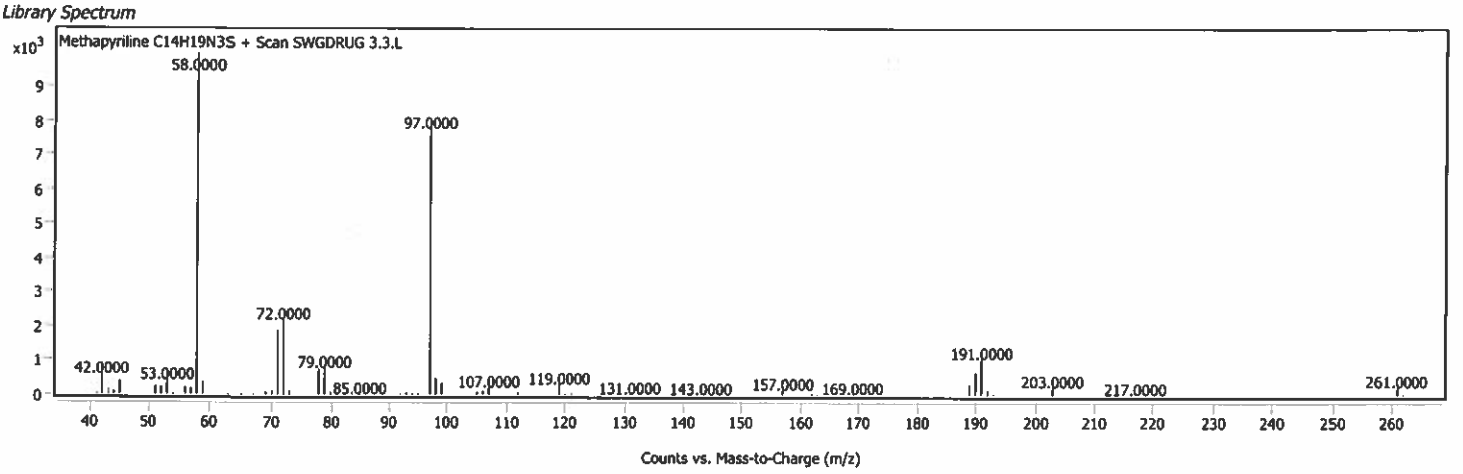
Observed Spectrum



Mirror Plot

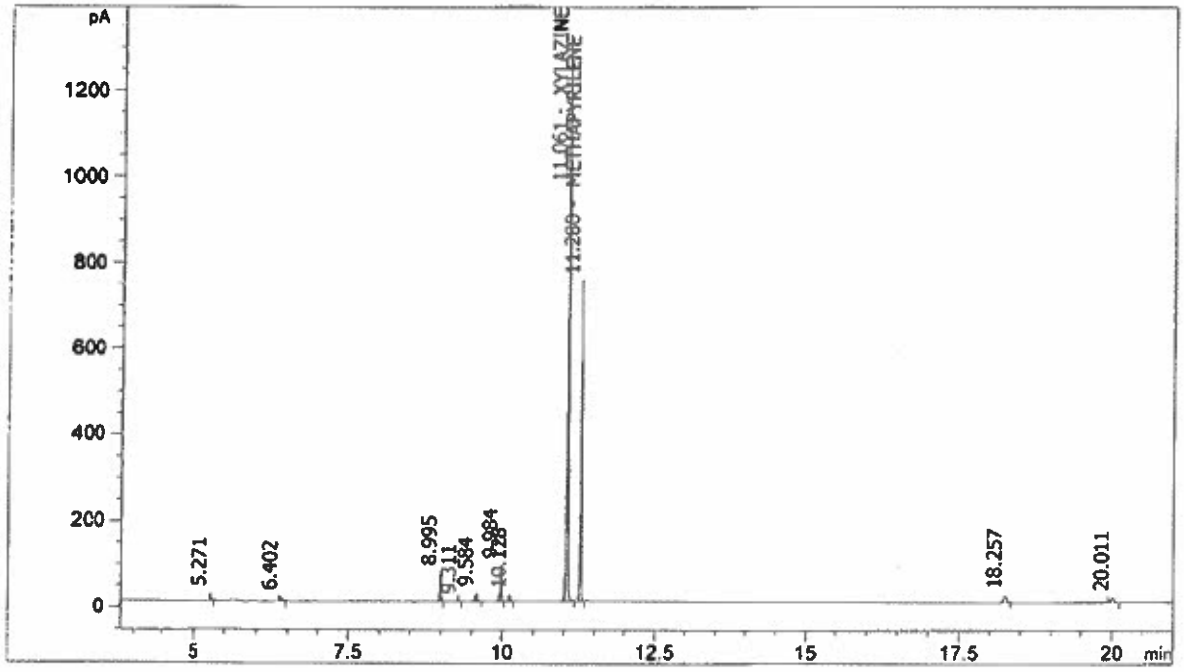


Library Spectrum



Injection Date: 9/28/2021 7:01:35 PM Seq Line: 14
Sample Name: MATRIX 1 2.0 mg/L - BLD Vial 14
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.061	11.046	1961.487	1308.153	0.000000	XYLAZINE RRT-0.9806
11.280	11.278	879.732	743.979	1.000000	METHAPYRILENE

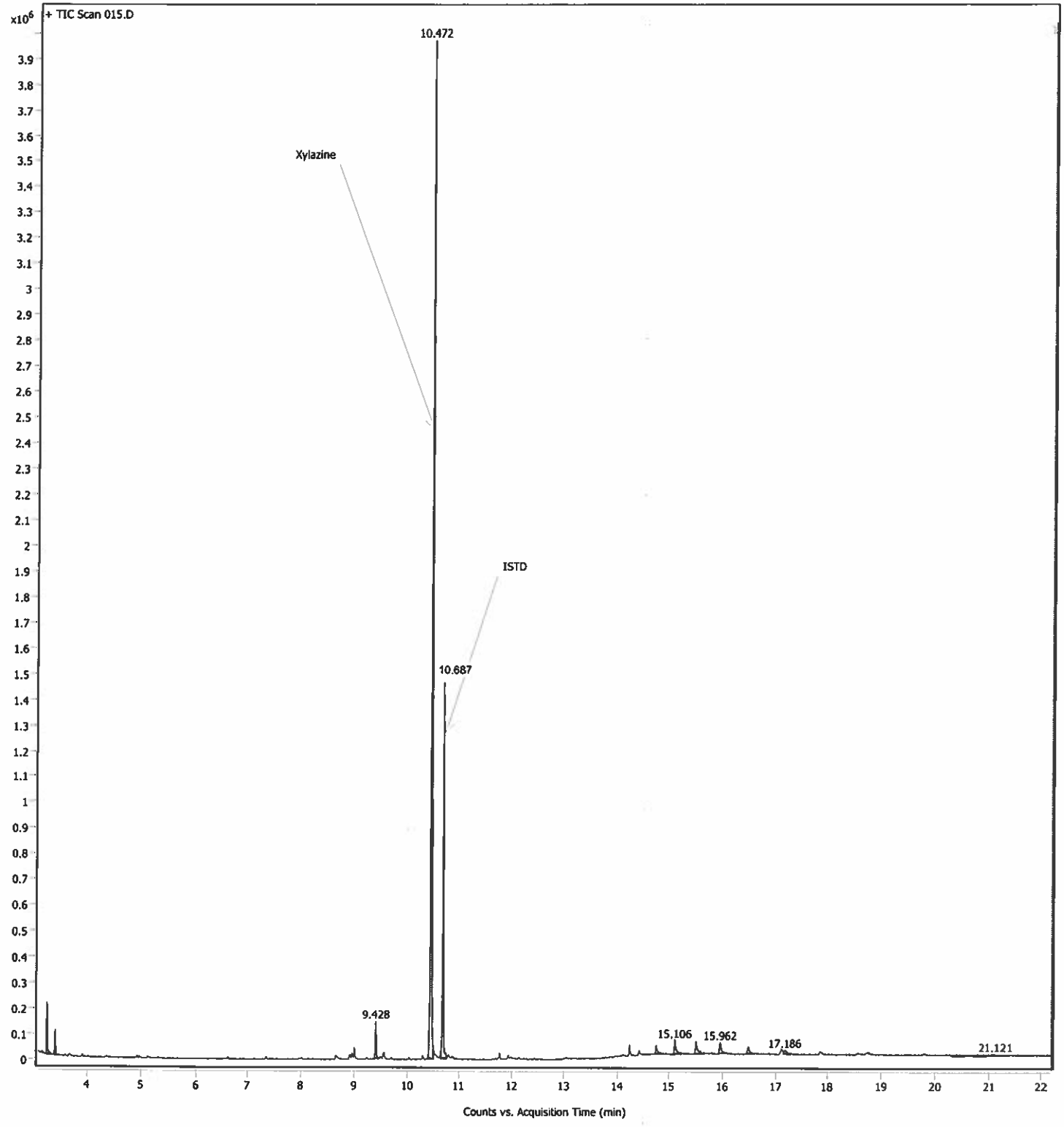
Analysis Report

Agilent

Sample Information

Sample Name	MATRIX 6 2.0 mg/L - URN	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\015.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 7:42:20 PM (UTC-04:00)
Position	41	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



Analysis Report

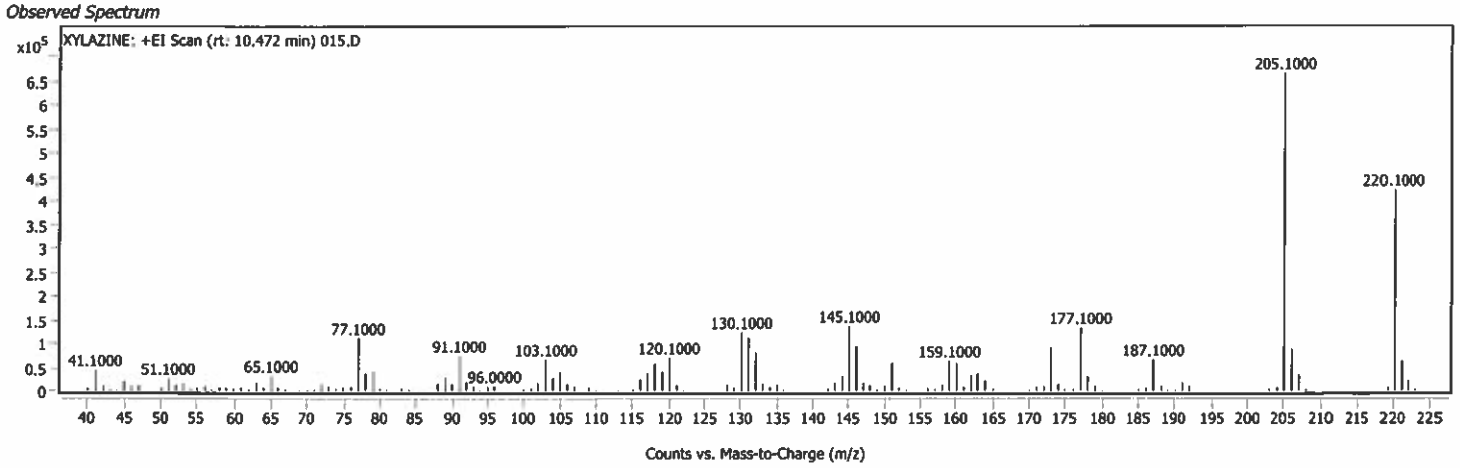
Agilent

Sample Spectra

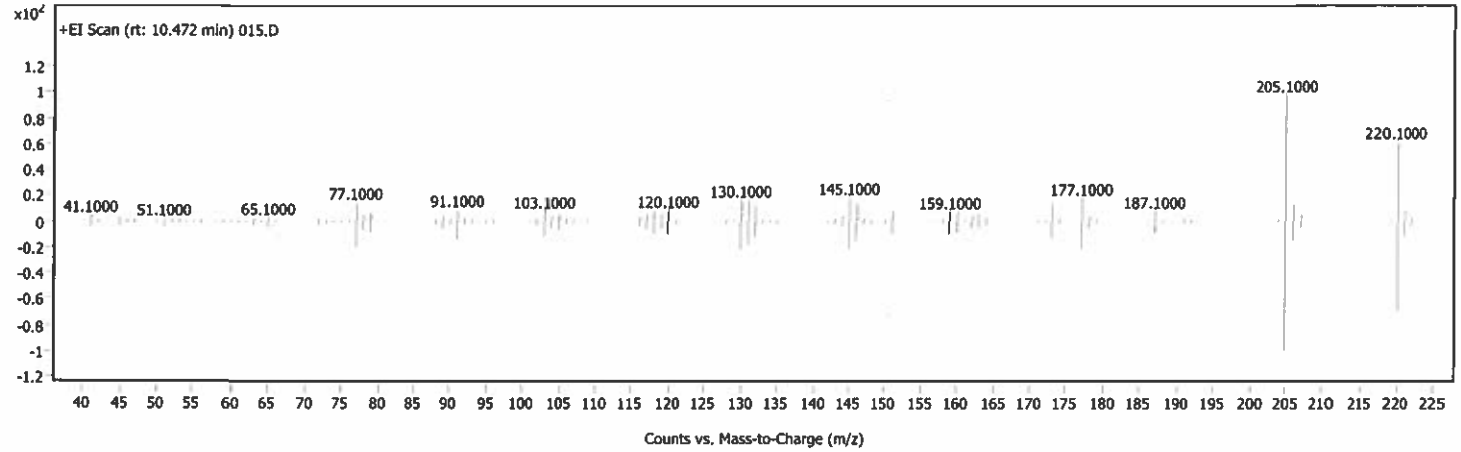
+ Scan (rt: 10.472 min) **XYLAZINE; C12H16N2S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
XYLAZINE	C12H16N2S	97.79	aafs.l	MATRIX 6 2.0 mg/L - URN	KM/QC DATA IN XYLAZINE VALIDATION

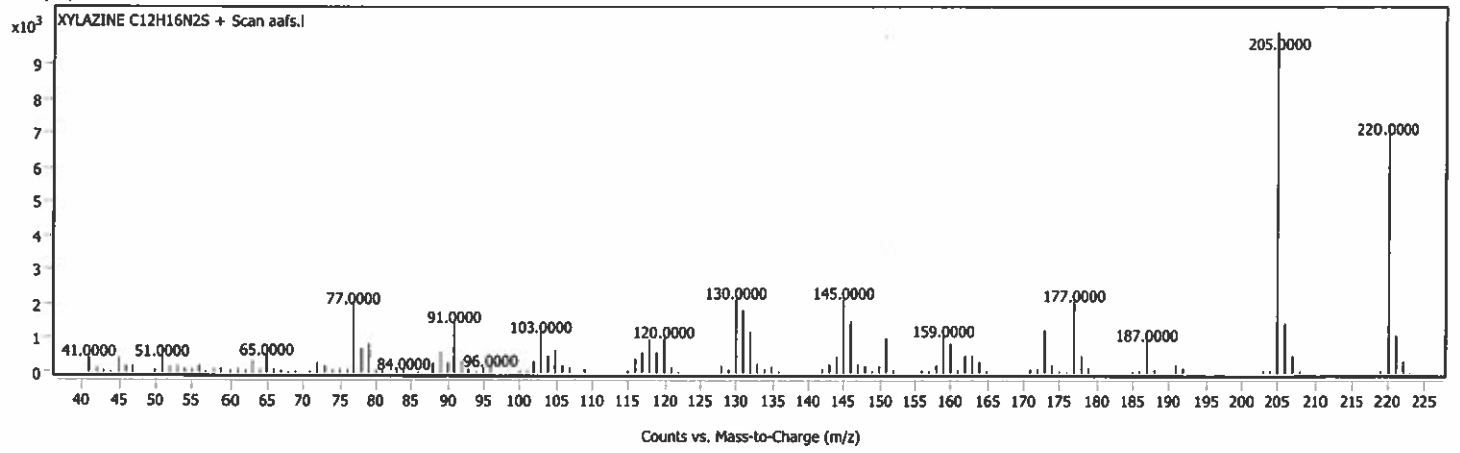
Observed Spectrum



Mirror Plot



Library Spectrum



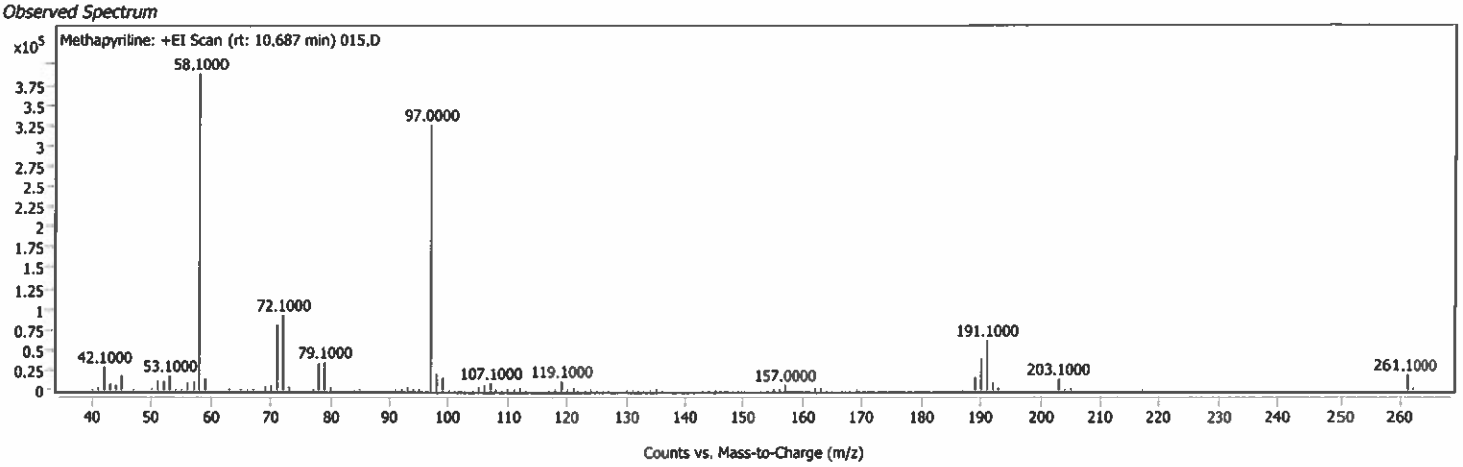
Analysis Report

Agilent

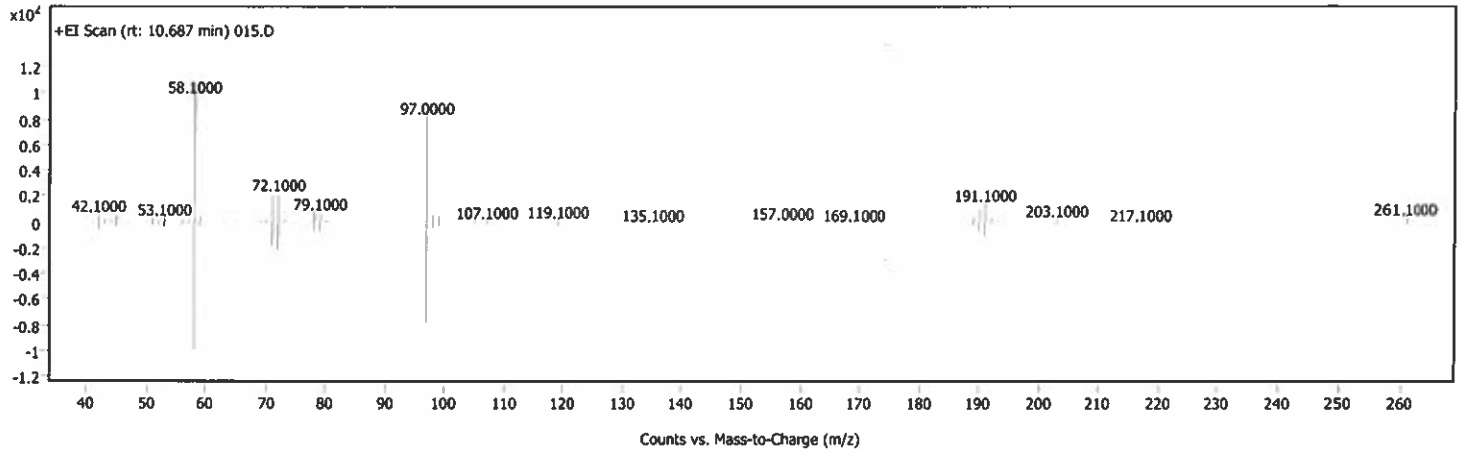
+ Scan (rt: 10.687 min) **Methapyriline; C14H19N3S**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
Methapyriline	C14H19N3S	98.53	SWGDRUG 3.3.L	MATRIX 6 2.0 mg/L - URN	KM/QC DATA IN XYLAZINE VALIDATION

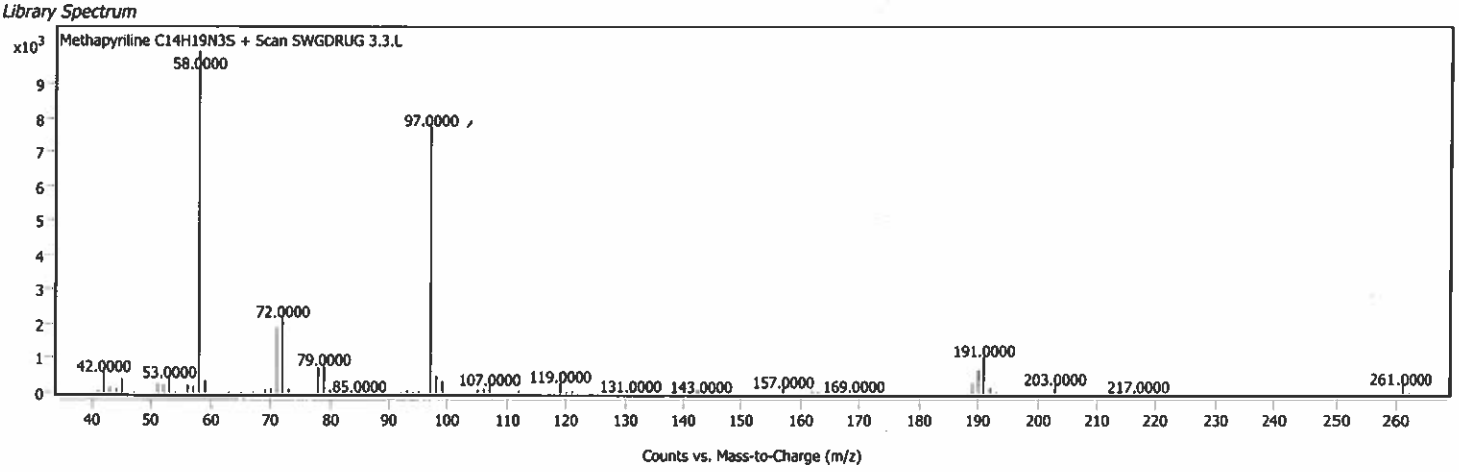
Observed Spectrum



Mirror Plot



Library Spectrum



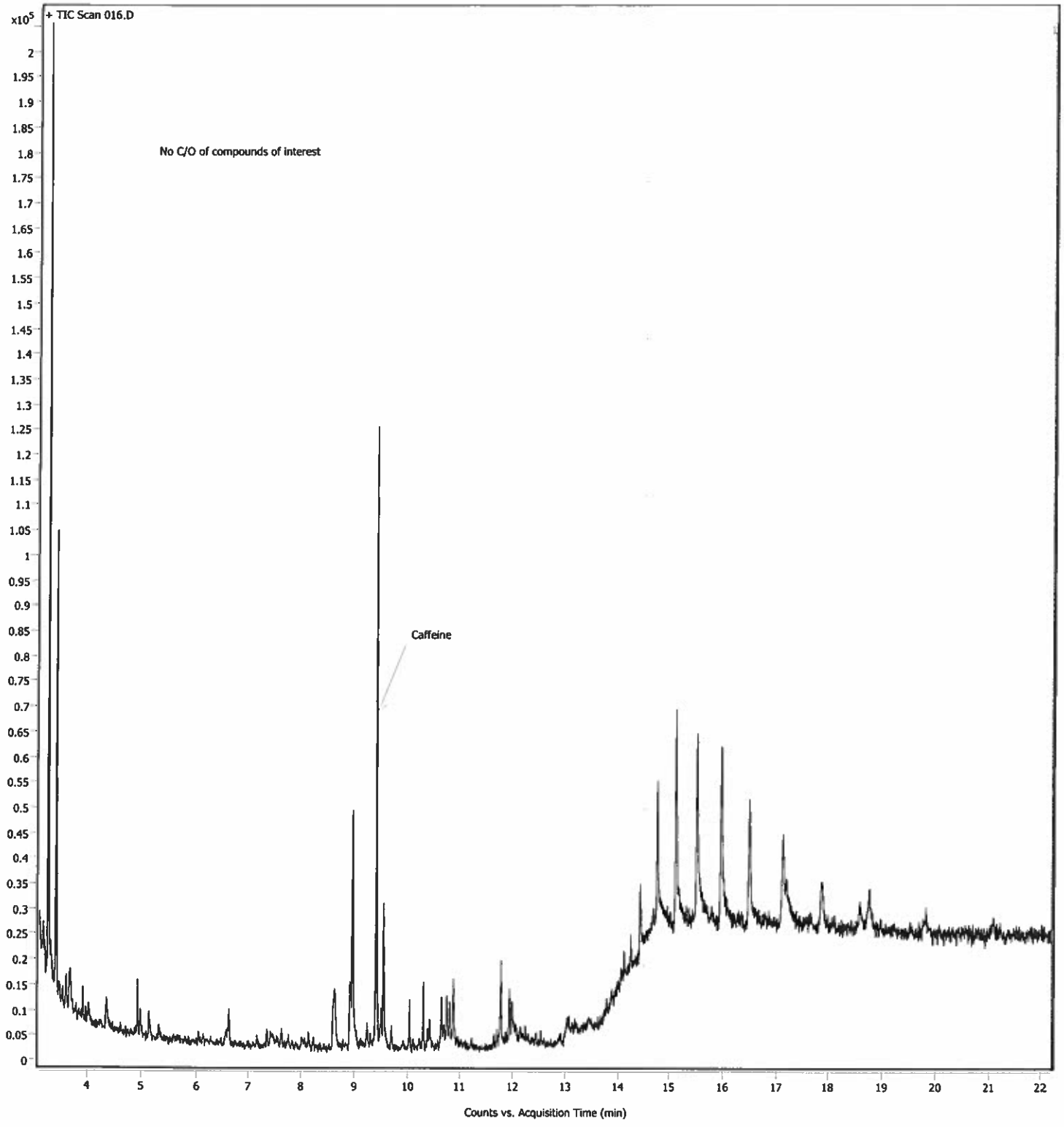
Analysis Report

Agilent

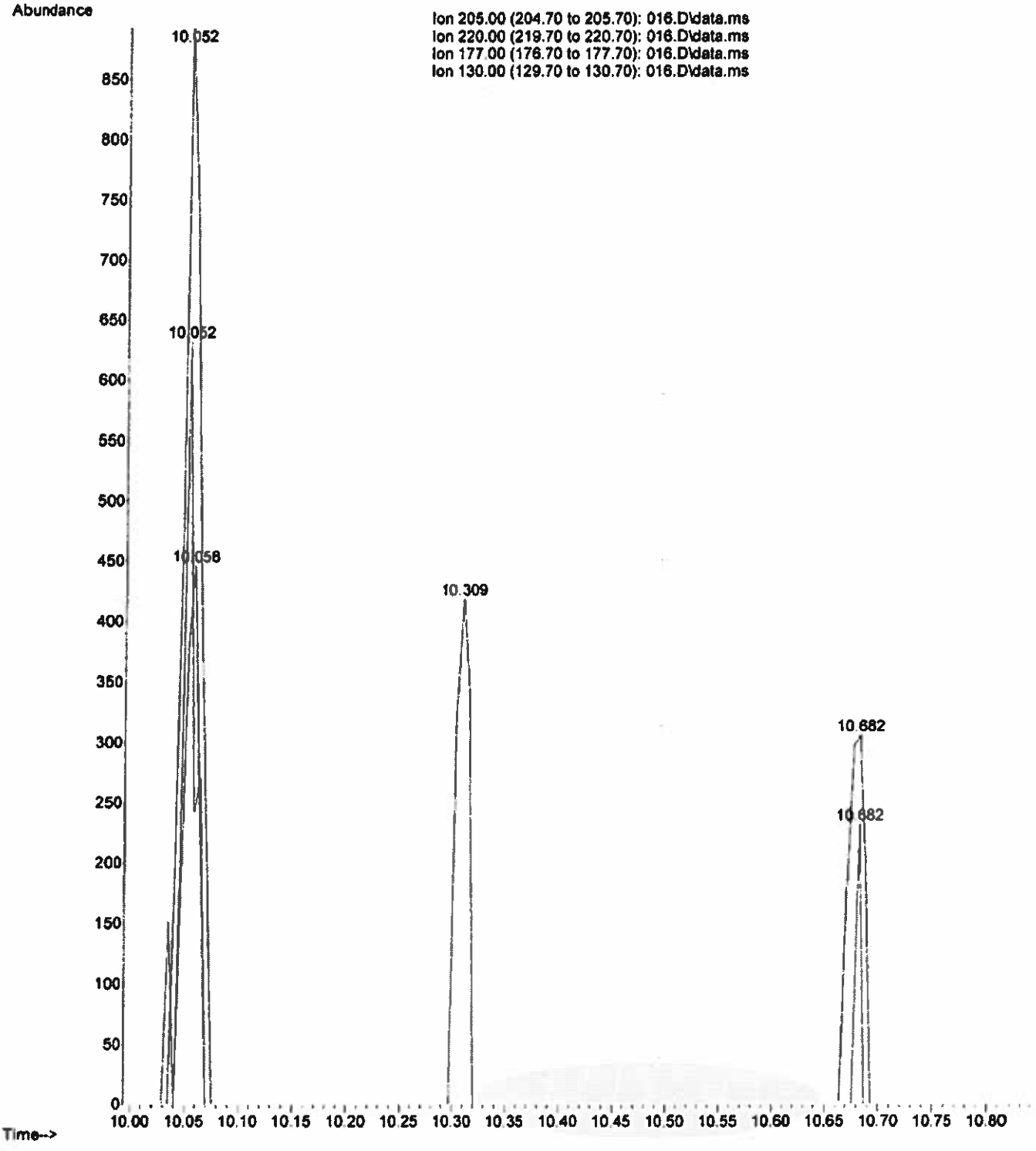
Sample Information

Sample Name	MATRIX BLANK after 2.0 mg/L	**Data File Path**	C:\MassHunter\GCMS\1\data\BASES\092821\016.D
Instrument	#3 - Enhanced	**Acq. Time (Local)**	9/28/2021 8:08:07 PM (UTC-04:00)
Position	42	**Method Path (Acq)**	C:\MassHunter\GCMS\1\methods\ALKALI.M
Operator	KM/QC DATA IN XYLAZINE VALIDATION		

Sample Chromatograms



File :C:\Users\TOX\Desktop\092821\016.D
Operator : KM/QC DATA IN XYLAZINE VALIDATION
Acquired : 28 Sep 2021 20:08 using AcqMethod ALKALI.M
Instrument : #3 - Enhanced
Sample Name: MATRIX BLANK after 2.0 mg/L
Misc Info :
Vial Number: 42



Analysis Report

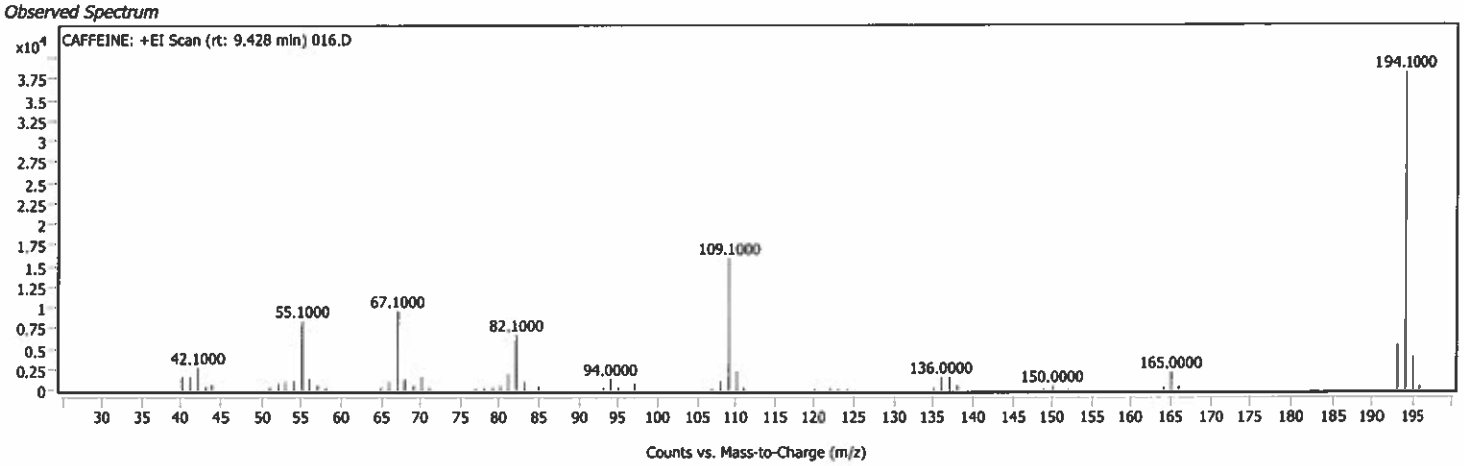
Agilent

Sample Spectra

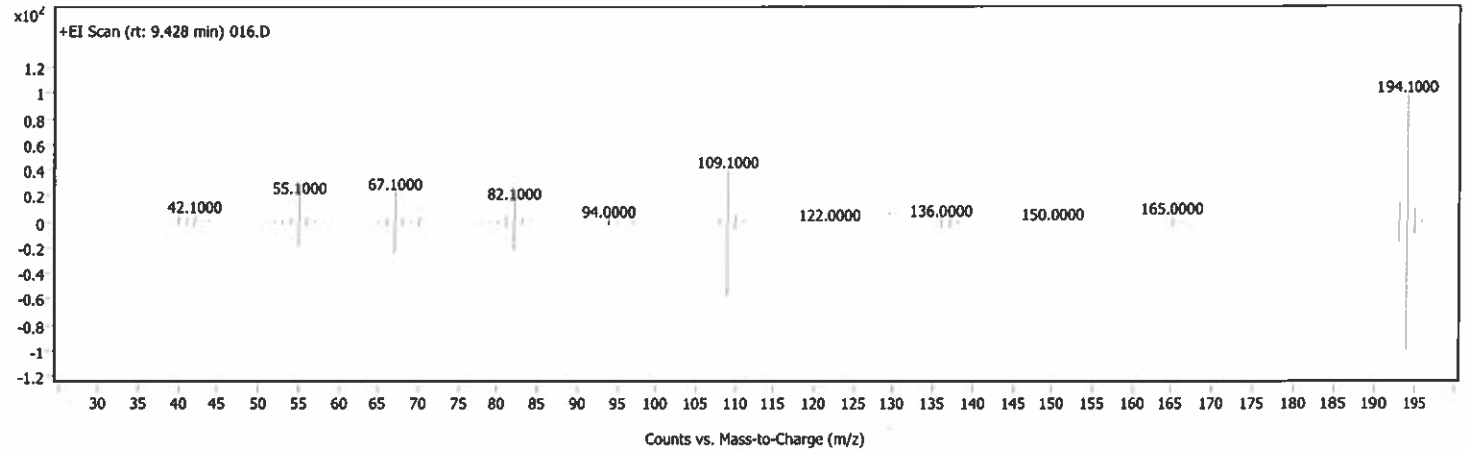
+ Scan (rt: 9.428 min) **CAFFEINE; C8H10N4O2**

Name	Formula	Score (Lib)	Lib/DB	Sample Name	Operator
CAFFEINE	C8H10N4O2	98.67	aafs.l	MATRIX BLANK after 2.0 mg/L	KM/QC DATA IN XYLAZINE VALIDATION

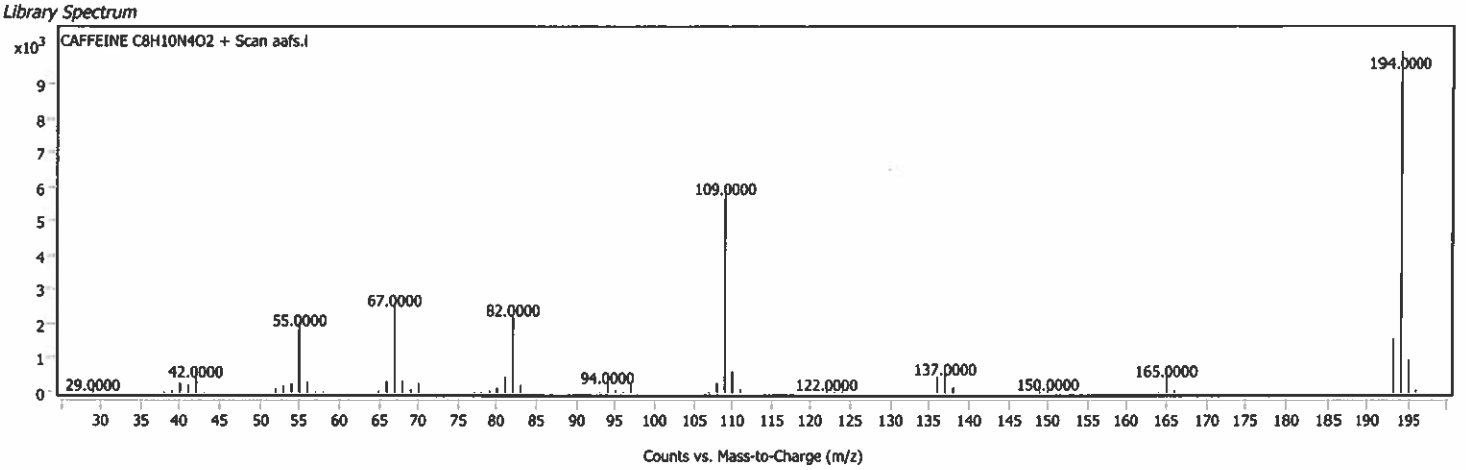
Observed Spectrum



Mirror Plot

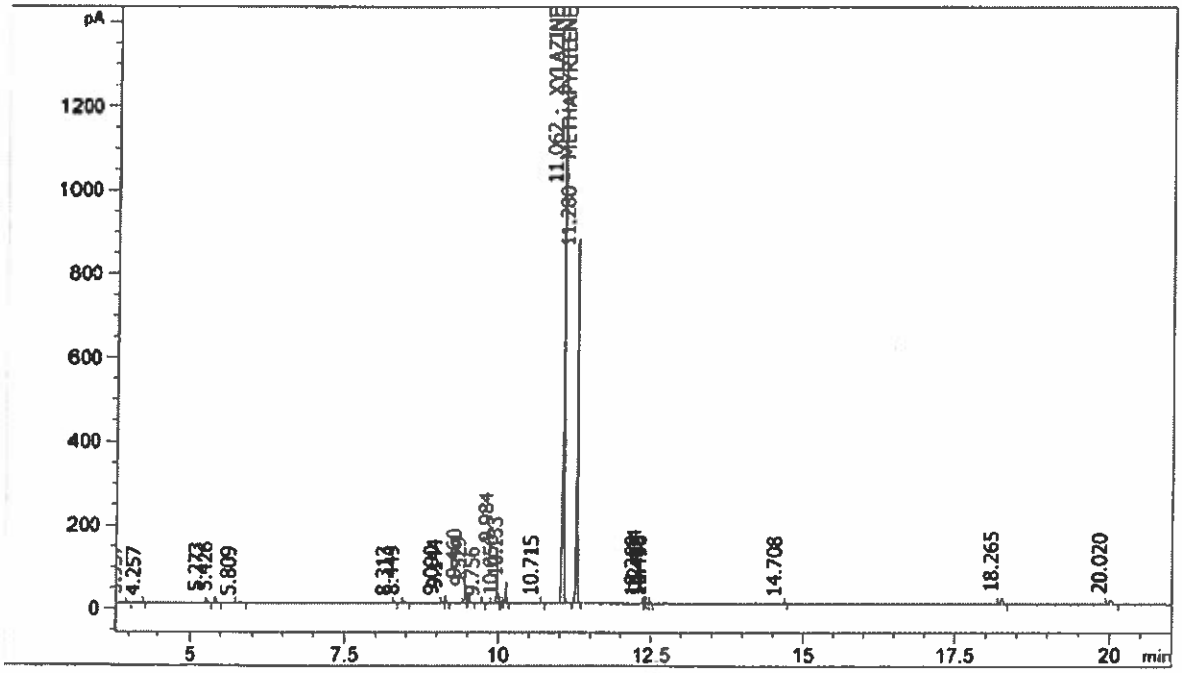


Library Spectrum



Injection Date: 9/28/2021 7:50:15 PM Seq Line: 16
Sample Name: MATRIX 6 2.0 mg/L - URN Vial 16
Sample Info:

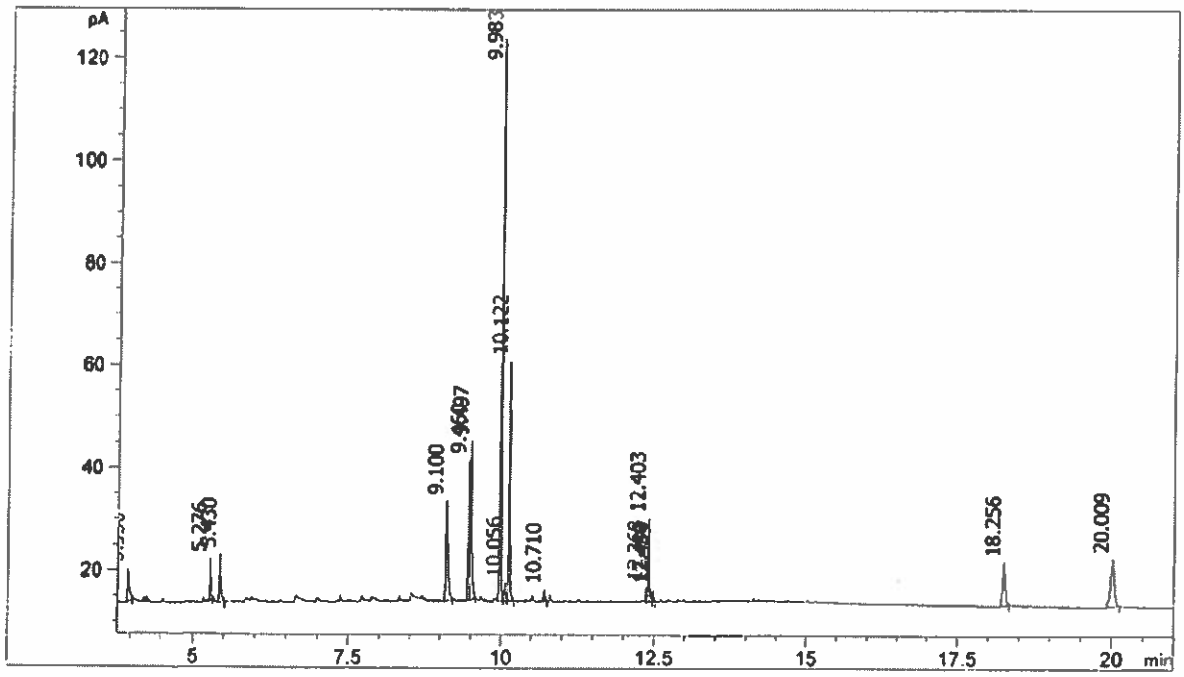
Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
11.062	11.046	2057.273	1355.428	0.000000	XYLAZINE RRT-0.9807
11.280	11.278	1019.985	866.136	1.000000	METHAPYRILENE

Injection Date: 9/28/2021 8:14:33 PM Seq Line: 17
Sample Name: MATRIX BLANK after 2.-> Vial 17
Sample Info:

Acq. Method: C:\CHEM32\1\METHODS\ALKALI.M
Analysis Method: C:\CHEM32\1\METHODS\092821KMVALI2.M
KM/QC DATA IN XYLAZINE VALIDATION



RT [min]	Exp RT [min]	Area	Height	Amount mg/L	Compound
0.000	11.033	0.000	0.000	0.000000	TRAMADOL
0.000	11.046	0.000	0.000	0.000000	XYLAZINE
0.000	11.278	0.000	0.000	0.000000	METHAPYRILENE