284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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DATA PACKAGE

GENERAL CHEMISTRY
METALS
VOLATILE ORGANICS

PROJECT NAME : BUFF

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q2371

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q2371

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC

Client : G Environmental

Project Location :

Project Number :

Laboratory Sample ID(s) : Q2371

Sampling Date(s) : 6/19/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6010D,8260D,9056A,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☐ Yes ☑ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q2371

Project ID : Buff

Client : G Environmental

Lab Sample Number	Client Sample Number
Q2371-04	RPXY42025
Q2371-05	BBX42025
Q2371-06	GBUFF1

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 6/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Buff
Project # N/A
Order ID # Q2371
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 06/19/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Anions Group1, Anions Group1, Metals Group4, VOC-TCLVOA-10 and VOCMS Group1. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis performed on instrument MSVOA_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements.

The Continuous Calibration File ID VY022838.D met the requirements except for Acetone failing high and associate sample having hit of acetone but below CRQL therefore no corrective action taken.

The Tuning criteria met requirements.

Samples RPXY42025, BBX42025 were directly analyzed in methanol due to samples having very strong odor of gasoline.

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Samples RPXY42025, BBX42025 were diluted due to high concentrations.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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Signature_____

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CASE NARRATIVE

G Environmental
Project Name: Buff
Project # N/A
Order ID # Q2371
Test Name: Metals Group4

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 06/19/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Anions Group1, Anions Group1, Metals Group4, VOC-TCLVOA-10 and VOCMS Group1. This data package contains results for Metals Group4.

C. Analytical Techniques:
The analysis of Metals Group4 was based on method 6010D and digestion based on method 3050 (soils).

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Blank Spike met requirements for all parameters.
The Duplicate (GAV1BDUP) analysis met criteria for all parameters except for Manganese due to sample matrix interference.
The Matrix Spike (GAV1BMS) analysis met criteria for all parameters except for Manganese and Sodium due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (GAV1BMSD) analysis met criteria for all parameters except for Sodium due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:

The Post Digest Spike (GAVIBA) analysis met criteria for all samples except for Manganese due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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CASE NARRATIVE

G Environmental
Project Name: Buff
Project # N/A
Order ID # Q2371
Test Name: Anions Group1

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 06/19/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Anions Group1, Anions Group1, Metals Group4, VOC-TCLVOA-10 and VOCMS Group1. This data package contains results for Anions Group1.

C. Analytical Techniques:
The analysis of Anions Group1 was based on method 9056A.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2371

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: MOHAMMAD AHMED **Date:** 07/03/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2371

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**RPXY42025**							
Q2371-04	RPXY42025	SOIL	Toluene	11600		1300	8200	ug/Kg
Q2371-04	RPXY42025	SOIL	Ethyl Benzene	449000	E	1100	8200	ug/Kg
Q2371-04	RPXY42025	SOIL	m/p-Xylenes	1410000	E	2000	16400	ug/Kg
Q2371-04	RPXY42025	SOIL	o-Xylene	370000	E	1300	8200	ug/Kg
Q2371-04	RPXY42025	SOIL	Isopropylbenzene	4500	J	1300	8200	ug/Kg
			Total Voc :	2240000				
			Total Concentration:	2240000				
Client ID:	**RPXY42025DL**							
Q2371-04DL	RPXY42025DL	SOIL	Ethyl Benzene	392000	D	27400	205000	ug/Kg
Q2371-04DL	RPXY42025DL	SOIL	m/p-Xylenes	1430000	D	50800	410000	ug/Kg
Q2371-04DL	RPXY42025DL	SOIL	o-Xylene	372000	D	33600	205000	ug/Kg
			Total Voc :	2190000				
			Total Concentration:	2190000				
Client ID:	**BBX42025**							
Q2371-05	BBX42025	SOIL	Toluene	38600		1200	7900	ug/Kg
Q2371-05	BBX42025	SOIL	Ethyl Benzene	1230000	E	1100	7900	ug/Kg
Q2371-05	BBX42025	SOIL	m/p-Xylenes	3720000	E	1900	15700	ug/Kg
Q2371-05	BBX42025	SOIL	o-Xylene	1050000	E	1300	7900	ug/Kg
Q2371-05	BBX42025	SOIL	Isopropylbenzene	9700		1200	7900	ug/Kg
			Total Voc :	6040000				
			Total Concentration:	6040000				
Client ID:	**BBX42025DL**							
Q2371-05DL	BBX42025DL	SOIL	Ethyl Benzene	993000	D	39500	295000	ug/Kg
Q2371-05DL	BBX42025DL	SOIL	m/p-Xylenes	3920000	D	73100	589000	ug/Kg
Q2371-05DL	BBX42025DL	SOIL	o-Xylene	1020000	D	48300	295000	ug/Kg
			Total Voc :	5930000				
			Total Concentration:	5930000				
Client ID:	**GBUFF1**							
Q2371-06	GBUFF1	SOIL	Acetone	11.8	J	4.00	20.9	ug/Kg
Q2371-06	GBUFF1	SOIL	Ethyl Benzene	4.30		0.56	4.20	ug/Kg
Q2371-06	GBUFF1	SOIL	m/p-Xylenes	17.2		1.00	8.40	ug/Kg
Q2371-06	GBUFF1	SOIL	o-Xylene	4.70		0.68	4.20	ug/Kg
Q2371-06	GBUFF1	SOIL	Isopropylbenzene	0.89	J	0.65	4.20	ug/Kg
			Total Voc :	38.9				
			Total Concentration:	38.9				

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046819.D	40		06/23/25 14:50	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1900	U	1900	8200	ug/Kg
74-87-3	Chloromethane	1900	U	1900	8200	ug/Kg
75-01-4	Vinyl Chloride	1300	U	1300	8200	ug/Kg
74-83-9	Bromomethane	1800	U	1800	8200	ug/Kg
75-00-3	Chloroethane	2100	U	2100	8200	ug/Kg
75-69-4	Trichlorofluoromethane	2000	U	2000	8200	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1700	U	1700	8200	ug/Kg
75-35-4	1,1-Dichloroethene	1600	U	1600	8200	ug/Kg
67-64-1	Acetone	7800	U	7800	41000	ug/Kg
75-15-0	Carbon Disulfide	1700	U	1700	8200	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1200	U	1200	8200	ug/Kg
79-20-9	Methyl Acetate	2500	U	2500	8200	ug/Kg
75-09-2	Methylene Chloride	5800	U	5800	16400	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1400	U	1400	8200	ug/Kg
75-34-3	1,1-Dichloroethane	1300	U	1300	8200	ug/Kg
110-82-7	Cyclohexane	1300	U	1300	8200	ug/Kg
78-93-3	2-Butanone	10700	U	10700	41000	ug/Kg
56-23-5	Carbon Tetrachloride	1600	U	1600	8200	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1200	U	1200	8200	ug/Kg
74-97-5	Bromochloromethane	1900	U	1900	8200	ug/Kg
67-66-3	Chloroform	1400	U	1400	8200	ug/Kg
71-55-6	1,1,1-Trichloroethane	1500	U	1500	8200	ug/Kg
108-87-2	Methylcyclohexane	1500	U	1500	8200	ug/Kg
71-43-2	Benzene	1300	U	1300	8200	ug/Kg
107-06-2	1,2-Dichloroethane	1300	U	1300	8200	ug/Kg
79-01-6	Trichloroethene	1300	U	1300	8200	ug/Kg
78-87-5	1,2-Dichloropropane	1500	U	1500	8200	ug/Kg
75-27-4	Bromodichloromethane	1300	U	1300	8200	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5900	U	5900	41000	ug/Kg
108-88-3	Toluene	11600		1300	8200	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046819.D	40		06/23/25 14:50	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1100	U	1100	8200	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1000	U	1000	8200	ug/Kg
79-00-5	1,1,2-Trichloroethane	1500	U	1500	8200	ug/Kg
591-78-6	2-Hexanone	6000	U	6000	41000	ug/Kg
124-48-1	Dibromochloromethane	1400	U	1400	8200	ug/Kg
106-93-4	1,2-Dibromoethane	1400	U	1400	8200	ug/Kg
127-18-4	Tetrachloroethene	1700	U	1700	8200	ug/Kg
108-90-7	Chlorobenzene	1500	U	1500	8200	ug/Kg
100-41-4	Ethyl Benzene	449000	E	1100	8200	ug/Kg
179601-23-1	m/p-Xylenes	1410000	E	2000	16400	ug/Kg
95-47-6	o-Xylene	370000	E	1300	8200	ug/Kg
100-42-5	Styrene	1200	U	1200	8200	ug/Kg
75-25-2	Bromoform	1400	U	1400	8200	ug/Kg
98-82-8	Isopropylbenzene	4500	J	1300	8200	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000	U	2000	8200	ug/Kg
541-73-1	1,3-Dichlorobenzene	2800	U	2800	8200	ug/Kg
106-46-7	1,4-Dichlorobenzene	2600	U	2600	8200	ug/Kg
95-50-1	1,2-Dichlorobenzene	2400	U	2400	8200	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3000	U	3000	8200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4900	U	4900	8200	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5200	U	5200	8200	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		70 (17) - 130 (146)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	5.568			
540-36-3	1,4-Difluorobenzene	290000	6.769			
3114-55-4	Chlorobenzene-d5	268000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.018			

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046819.D	40		06/23/25 14:50	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046824.D	1000		06/23/25 16:38	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	46700	UD	46700	205000	ug/Kg
74-87-3	Chloromethane	46700	UD	46700	205000	ug/Kg
75-01-4	Vinyl Chloride	32400	UD	32400	205000	ug/Kg
74-83-9	Bromomethane	43800	UD	43800	205000	ug/Kg
75-00-3	Chloroethane	51600	UD	51600	205000	ug/Kg
75-69-4	Trichlorofluoromethane	49600	UD	49600	205000	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	43400	UD	43400	205000	ug/Kg
75-35-4	1,1-Dichloroethene	41000	UD	41000	205000	ug/Kg
67-64-1	Acetone	194000	UD	194000	1020000	ug/Kg
75-15-0	Carbon Disulfide	43400	UD	43400	205000	ug/Kg
1634-04-4	Methyl tert-butyl Ether	29900	UD	29900	205000	ug/Kg
79-20-9	Methyl Acetate	63100	UD	63100	205000	ug/Kg
75-09-2	Methylene Chloride	145000	UD	145000	410000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	35200	UD	35200	205000	ug/Kg
75-34-3	1,1-Dichloroethane	32800	UD	32800	205000	ug/Kg
110-82-7	Cyclohexane	32400	UD	32400	205000	ug/Kg
78-93-3	2-Butanone	268000	UD	268000	1020000	ug/Kg
56-23-5	Carbon Tetrachloride	39700	UD	39700	205000	ug/Kg
156-59-2	cis-1,2-Dichloroethene	30700	UD	30700	205000	ug/Kg
74-97-5	Bromochloromethane	47100	UD	47100	205000	ug/Kg
67-66-3	Chloroform	34400	UD	34400	205000	ug/Kg
71-55-6	1,1,1-Trichloroethane	38100	UD	38100	205000	ug/Kg
108-87-2	Methylcyclohexane	37300	UD	37300	205000	ug/Kg
71-43-2	Benzene	32400	UD	32400	205000	ug/Kg
107-06-2	1,2-Dichloroethane	32400	UD	32400	205000	ug/Kg
79-01-6	Trichloroethene	33200	UD	33200	205000	ug/Kg
78-87-5	1,2-Dichloropropane	37300	UD	37300	205000	ug/Kg
75-27-4	Bromodichloromethane	31900	UD	31900	205000	ug/Kg
108-10-1	4-Methyl-2-Pentanone	147000	UD	147000	1020000	ug/Kg
108-88-3	Toluene	31900	UD	31900	205000	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046824.D	1000		06/23/25 16:38	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	26600	UD	26600	205000	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	25400	UD	25400	205000	ug/Kg
79-00-5	1,1,2-Trichloroethane	37700	UD	37700	205000	ug/Kg
591-78-6	2-Hexanone	151000	UD	151000	1020000	ug/Kg
124-48-1	Dibromochloromethane	35600	UD	35600	205000	ug/Kg
106-93-4	1,2-Dibromoethane	36000	UD	36000	205000	ug/Kg
127-18-4	Tetrachloroethene	43000	UD	43000	205000	ug/Kg
108-90-7	Chlorobenzene	37300	UD	37300	205000	ug/Kg
100-41-4	Ethyl Benzene	392000	D	27400	205000	ug/Kg
179601-23-1	m/p-Xylenes	1430000	D	50800	410000	ug/Kg
95-47-6	o-Xylene	372000	D	33600	205000	ug/Kg
100-42-5	Styrene	29100	UD	29100	205000	ug/Kg
75-25-2	Bromoform	35200	UD	35200	205000	ug/Kg
98-82-8	Isopropylbenzene	31900	UD	31900	205000	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	49600	UD	49600	205000	ug/Kg
541-73-1	1,3-Dichlorobenzene	70000	UD	70000	205000	ug/Kg
106-46-7	1,4-Dichlorobenzene	63900	UD	63900	205000	ug/Kg
95-50-1	1,2-Dichlorobenzene	59400	UD	59400	205000	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	75400	UD	75400	205000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	122000	UD	122000	205000	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	130000	UD	130000	205000	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (70) - 130 (134)	96%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (17) - 130 (146)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	116000	5.562			
540-36-3	1,4-Difluorobenzene	201000	6.769			
3114-55-4	Chlorobenzene-d5	185000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	91600	12.018			

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046824.D	1000		06/23/25 16:38	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046818.D	40		06/23/25 14:28	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800	U	1800	7900	ug/Kg
74-87-3	Chloromethane	1800	U	1800	7900	ug/Kg
75-01-4	Vinyl Chloride	1200	U	1200	7900	ug/Kg
74-83-9	Bromomethane	1700	U	1700	7900	ug/Kg
75-00-3	Chloroethane	2000	U	2000	7900	ug/Kg
75-69-4	Trichlorofluoromethane	1900	U	1900	7900	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1700	U	1700	7900	ug/Kg
75-35-4	1,1-Dichloroethene	1600	U	1600	7900	ug/Kg
67-64-1	Acetone	7400	U	7400	39300	ug/Kg
75-15-0	Carbon Disulfide	1700	U	1700	7900	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1100	U	1100	7900	ug/Kg
79-20-9	Methyl Acetate	2400	U	2400	7900	ug/Kg
75-09-2	Methylene Chloride	5500	U	5500	15700	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1400	U	1400	7900	ug/Kg
75-34-3	1,1-Dichloroethane	1300	U	1300	7900	ug/Kg
110-82-7	Cyclohexane	1200	U	1200	7900	ug/Kg
78-93-3	2-Butanone	10300	U	10300	39300	ug/Kg
56-23-5	Carbon Tetrachloride	1500	U	1500	7900	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1200	U	1200	7900	ug/Kg
74-97-5	Bromochloromethane	1800	U	1800	7900	ug/Kg
67-66-3	Chloroform	1300	U	1300	7900	ug/Kg
71-55-6	1,1,1-Trichloroethane	1500	U	1500	7900	ug/Kg
108-87-2	Methylcyclohexane	1400	U	1400	7900	ug/Kg
71-43-2	Benzene	1200	U	1200	7900	ug/Kg
107-06-2	1,2-Dichloroethane	1200	U	1200	7900	ug/Kg
79-01-6	Trichloroethene	1300	U	1300	7900	ug/Kg
78-87-5	1,2-Dichloropropane	1400	U	1400	7900	ug/Kg
75-27-4	Bromodichloromethane	1200	U	1200	7900	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5600	U	5600	39300	ug/Kg
108-88-3	Toluene	38600		1200	7900	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046818.D	40		06/23/25 14:28	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1000	U	1000	7900	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	970	U	970	7900	ug/Kg
79-00-5	1,1,2-Trichloroethane	1400	U	1400	7900	ug/Kg
591-78-6	2-Hexanone	5800	U	5800	39300	ug/Kg
124-48-1	Dibromochloromethane	1400	U	1400	7900	ug/Kg
106-93-4	1,2-Dibromoethane	1400	U	1400	7900	ug/Kg
127-18-4	Tetrachloroethene	1600	U	1600	7900	ug/Kg
108-90-7	Chlorobenzene	1400	U	1400	7900	ug/Kg
100-41-4	Ethyl Benzene	1230000	E	1100	7900	ug/Kg
179601-23-1	m/p-Xylenes	3720000	E	1900	15700	ug/Kg
95-47-6	o-Xylene	1050000	E	1300	7900	ug/Kg
100-42-5	Styrene	1100	U	1100	7900	ug/Kg
75-25-2	Bromoform	1400	U	1400	7900	ug/Kg
98-82-8	Isopropylbenzene	9700		1200	7900	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900	U	1900	7900	ug/Kg
541-73-1	1,3-Dichlorobenzene	2700	U	2700	7900	ug/Kg
106-46-7	1,4-Dichlorobenzene	2500	U	2500	7900	ug/Kg
95-50-1	1,2-Dichlorobenzene	2300	U	2300	7900	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2900	U	2900	7900	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4700	U	4700	7900	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5000	U	5000	7900	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (70) - 130 (134)	96%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.2		70 (17) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	112000	5.568			
540-36-3	1,4-Difluorobenzene	195000	6.769			
3114-55-4	Chlorobenzene-d5	177000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	74000	12.018			

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046818.D	40		06/23/25 14:28	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-05DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046825.D	1500		06/23/25 16:59	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	67200	UD	67200	295000	ug/Kg
74-87-3	Chloromethane	67200	UD	67200	295000	ug/Kg
75-01-4	Vinyl Chloride	46500	UD	46500	295000	ug/Kg
74-83-9	Bromomethane	63000	UD	63000	295000	ug/Kg
75-00-3	Chloroethane	74200	UD	74200	295000	ug/Kg
75-69-4	Trichlorofluoromethane	71300	UD	71300	295000	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	62400	UD	62400	295000	ug/Kg
75-35-4	1,1-Dichloroethene	58900	UD	58900	295000	ug/Kg
67-64-1	Acetone	279000	UD	279000	1470000	ug/Kg
75-15-0	Carbon Disulfide	62400	UD	62400	295000	ug/Kg
1634-04-4	Methyl tert-butyl Ether	43000	UD	43000	295000	ug/Kg
79-20-9	Methyl Acetate	90700	UD	90700	295000	ug/Kg
75-09-2	Methylene Chloride	208000	UD	208000	589000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	50700	UD	50700	295000	ug/Kg
75-34-3	1,1-Dichloroethane	47100	UD	47100	295000	ug/Kg
110-82-7	Cyclohexane	46500	UD	46500	295000	ug/Kg
78-93-3	2-Butanone	385000	UD	385000	1470000	ug/Kg
56-23-5	Carbon Tetrachloride	57100	UD	57100	295000	ug/Kg
156-59-2	cis-1,2-Dichloroethene	44200	UD	44200	295000	ug/Kg
74-97-5	Bromochloromethane	67800	UD	67800	295000	ug/Kg
67-66-3	Chloroform	49500	UD	49500	295000	ug/Kg
71-55-6	1,1,1-Trichloroethane	54800	UD	54800	295000	ug/Kg
108-87-2	Methylcyclohexane	53600	UD	53600	295000	ug/Kg
71-43-2	Benzene	46500	UD	46500	295000	ug/Kg
107-06-2	1,2-Dichloroethane	46500	UD	46500	295000	ug/Kg
79-01-6	Trichloroethene	47700	UD	47700	295000	ug/Kg
78-87-5	1,2-Dichloropropane	53600	UD	53600	295000	ug/Kg
75-27-4	Bromodichloromethane	46000	UD	46000	295000	ug/Kg
108-10-1	4-Methyl-2-Pentanone	211000	UD	211000	1470000	ug/Kg
108-88-3	Toluene	46000	UD	46000	295000	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-05DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046825.D	1500		06/23/25 16:59	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	38300	UD	38300	295000	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	36500	UD	36500	295000	ug/Kg
79-00-5	1,1,2-Trichloroethane	54200	UD	54200	295000	ug/Kg
591-78-6	2-Hexanone	217000	UD	217000	1470000	ug/Kg
124-48-1	Dibromochloromethane	51300	UD	51300	295000	ug/Kg
106-93-4	1,2-Dibromoethane	51800	UD	51800	295000	ug/Kg
127-18-4	Tetrachloroethene	61900	UD	61900	295000	ug/Kg
108-90-7	Chlorobenzene	53600	UD	53600	295000	ug/Kg
100-41-4	Ethyl Benzene	993000	D	39500	295000	ug/Kg
179601-23-1	m/p-Xylenes	3920000	D	73100	589000	ug/Kg
95-47-6	o-Xylene	1020000	D	48300	295000	ug/Kg
100-42-5	Styrene	41800	UD	41800	295000	ug/Kg
75-25-2	Bromoform	50700	UD	50700	295000	ug/Kg
98-82-8	Isopropylbenzene	46000	UD	46000	295000	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	71300	UD	71300	295000	ug/Kg
541-73-1	1,3-Dichlorobenzene	101000	UD	101000	295000	ug/Kg
106-46-7	1,4-Dichlorobenzene	91900	UD	91900	295000	ug/Kg
95-50-1	1,2-Dichlorobenzene	85400	UD	85400	295000	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	108000	UD	108000	295000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	175000	UD	175000	295000	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	187000	UD	187000	295000	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		70 (70) - 130 (134)	96%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		70 (17) - 130 (146)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	5.562			
540-36-3	1,4-Difluorobenzene	268000	6.769			
3114-55-4	Chlorobenzene-d5	246000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	124000	12.018			

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-05DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046825.D	1500		06/23/25 16:59	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	GBUFF1	SDG No.:	Q2371
Lab Sample ID:	Q2371-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	6.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022846.D	1		06/26/25 13:43	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	4.20	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.20	ug/Kg
74-83-9	Bromomethane	0.89	U	0.89	4.20	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	4.20	ug/Kg
67-64-1	Acetone	11.8	J	4.00	20.9	ug/Kg
75-15-0	Carbon Disulfide	0.89	U	0.89	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.20	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	4.20	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.20	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	20.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.63	U	0.63	4.20	ug/Kg
74-97-5	Bromochloromethane	0.96	U	0.96	4.20	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.20	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.20	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.9	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.20	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	GBUFF1	SDG No.:	Q2371
Lab Sample ID:	Q2371-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	6.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022846.D	1		06/26/25 13:43	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	20.9	ug/Kg
124-48-1	Dibromochloromethane	0.73	U	0.73	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	4.20	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.20	ug/Kg
100-41-4	Ethyl Benzene	4.30		0.56	4.20	ug/Kg
179601-23-1	m/p-Xylenes	17.2		1.00	8.40	ug/Kg
95-47-6	o-Xylene	4.70		0.68	4.20	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.20	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.89	J	0.65	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		70 (63) - 130 (155)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		70 (17) - 130 (146)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300000	7.713			
540-36-3	1,4-Difluorobenzene	553000	8.616			
3114-55-4	Chlorobenzene-d5	529000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	GBUFF1	SDG No.:	Q2371
Lab Sample ID:	Q2371-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	6.89 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022846.D	1		06/26/25 13:43	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

Alliance TECHNICAL GROUP
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Surrogate Summary

SDG No.: Q2371

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2371-04	RPXY42025	1,2-Dichloroethane-d4	50	48.1	96		70 (63)	130 (155)
		Dibromofluoromethane	50	48.3	97		70 (70)	130 (134)
		Toluene-d8	50	50.4	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.6	93		70 (17)	130 (146)
Q2371-04DL	RPXY42025DL	1,2-Dichloroethane-d4	50	49.2	98		70 (63)	130 (155)
		Dibromofluoromethane	50	47.9	96		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.7	103		70 (17)	130 (146)
Q2371-05	BBX42025	1,2-Dichloroethane-d4	50	49.2	98		70 (63)	130 (155)
		Dibromofluoromethane	50	47.9	96		70 (70)	130 (134)
		Toluene-d8	50	49.9	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.2	80		70 (17)	130 (146)
Q2371-05DL	BBX42025DL	1,2-Dichloroethane-d4	50	48.5	97		70 (63)	130 (155)
		Dibromofluoromethane	50	48.2	96		70 (70)	130 (134)
		Toluene-d8	50	50.4	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.6	103		70 (17)	130 (146)
Q2371-06	GBUFF1	1,2-Dichloroethane-d4	50	45.7	91		70 (63)	130 (155)
		Dibromofluoromethane	50	49.4	99		70 (70)	130 (134)
		Toluene-d8	50	49.3	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.5	109		70 (17)	130 (146)
VX0623MBL01	VX0623MBL01	1,2-Dichloroethane-d4	50	48.9	98		70 (63)	130 (155)
		Dibromofluoromethane	50	49.5	99		70 (70)	130 (134)
		Toluene-d8	50	49.9	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.8	100		70 (17)	130 (146)
VX0623MBS01	VX0623MBS01	1,2-Dichloroethane-d4	50	45.7	91		70 (63)	130 (155)
		Dibromofluoromethane	50	49.1	98		70 (70)	130 (134)
		Toluene-d8	50	48.8	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.9	100		70 (17)	130 (146)
VY0626SBL01	VY0626SBL01	1,2-Dichloroethane-d4	50	49.9	100		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.7	107		70 (17)	130 (146)
VY0626SBS01	VY0626SBS01	1,2-Dichloroethane-d4	50	51.8	104		70 (63)	130 (155)
		Dibromofluoromethane	50	50.4	101		70 (70)	130 (134)
		Toluene-d8	50	51.0	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.0	100		70 (17)	130 (146)
VY0626SBSD01	VY0626SBSD01	1,2-Dichloroethane-d4	50	50.8	102		70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100		70 (70)	130 (134)
		Toluene-d8	50	51.0	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.4	97		70 (17)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VX046807.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0623MBS01	Dichlorodifluoromethane	2000	1800	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	2000	1700	ug/Kg	85			40 (52)	160 (151)	
	Vinyl chloride	2000	1800	ug/Kg	90			70 (56)	130 (148)	
	Bromomethane	2000	1900	ug/Kg	95			40 (58)	160 (141)	
	Chloroethane	2000	1800	ug/Kg	90			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1700	ug/Kg	85			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1800	ug/Kg	90			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1800	ug/Kg	90			70 (79)	130 (121)	
	Acetone	10000	7400	ug/Kg	74			40 (40)	160 (171)	
	Carbon disulfide	2000	1600	ug/Kg	80			40 (59)	160 (130)	
	Methyl tert-butyl Ether	2000	1600	ug/Kg	80			70 (77)	130 (129)	
	Methyl Acetate	2000	1600	ug/Kg	80			70 (69)	130 (149)	
	Methylene Chloride	2000	1700	ug/Kg	85			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Cyclohexane	2000	1800	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	10000	7800	ug/Kg	78			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	1800	ug/Kg	90			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	2000	ug/Kg	100			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1700	ug/Kg	85			70 (80)	130 (126)	
	Methylcyclohexane	2000	1800	ug/Kg	90			70 (77)	130 (123)	
	Benzene	2000	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1800	ug/Kg	90			70 (81)	130 (126)	
	Trichloroethene	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	Bromodichloromethane	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8400	ug/Kg	84			40 (70)	160 (135)	
	Toluene	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	2-Hexanone	10000	8000	ug/Kg	80			40 (66)	160 (138)	
	Dibromochloromethane	2000	1800	ug/Kg	90			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	1800	ug/Kg	90			70 (80)	130 (125)	
	Tetrachloroethene	2000	1800	ug/Kg	90			70 (83)	130 (125)	
	Chlorobenzene	2000	1800	ug/Kg	90			70 (84)	130 (122)	
	Ethyl Benzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	m/p-Xylenes	4000	3600	ug/Kg	90			70 (83)	130 (124)	
	o-Xylene	2000	1900	ug/Kg	95			70 (83)	130 (123)	
	Styrene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	Bromoform	2000	1800	ug/Kg	90			70 (75)	130 (127)	
	Isopropylbenzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1700	ug/Kg	85			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1700	ug/Kg	85			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1800	ug/Kg	90			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VX046807.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0623MBS01	1,2-Dibromo-3-Chloropropane	2000	1500	ug/Kg	75			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1700	ug/Kg	85			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1700	ug/Kg	85			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY022840.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0626SBS01	Dichlorodifluoromethane	20	20.4	ug/Kg	102			40 (64)	160 (136)	
	Chloromethane	20	22.2	ug/Kg	111			40 (52)	160 (151)	
	Vinyl chloride	20	20.0	ug/Kg	100			70 (56)	130 (148)	
	Bromomethane	20	23.1	ug/Kg	116			40 (58)	160 (141)	
	Chloroethane	20	19.3	ug/Kg	97			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			70 (79)	130 (121)	
	Acetone	100	150	ug/Kg	150			40 (40)	160 (171)	
	Carbon disulfide	20	20.4	ug/Kg	102			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	21.0	ug/Kg	105			70 (77)	130 (129)	
	Methyl Acetate	20	18.1	ug/Kg	91			70 (69)	130 (149)	
	Methylene Chloride	20	23.0	ug/Kg	115			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	Cyclohexane	20	20.3	ug/Kg	102			70 (76)	130 (122)	
	2-Butanone	100	130	ug/Kg	130			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	Bromochloromethane	20	20.7	ug/Kg	104			70 (80)	130 (127)	
	Chloroform	20	20.3	ug/Kg	102			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102			70 (80)	130 (126)	
	Methylcyclohexane	20	20.1	ug/Kg	101			70 (77)	130 (123)	
	Benzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	20.8	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	120	ug/Kg	120			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	20.8	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	19.9	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	39.9	ug/Kg	100			70 (83)	130 (124)	
	o-Xylene	20	19.8	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	19.4	ug/Kg	97			70 (75)	130 (127)	
	Isopropylbenzene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2371**	**Analytical Method:**	**SW8260D**
Client:	**G Environmental**	**Datafile :**	VY022840.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0626SBS01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/Kg	101			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY022841.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0626SBSD01	Dichlorodifluoromethane	20	21.1	ug/Kg	106	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.7	ug/Kg	94	17		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	19.0	ug/Kg	95	5		70 (56)	130 (148)	30 (20)
	Bromomethane	20	20.8	ug/Kg	104	11		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.2	ug/Kg	96	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	18.9	ug/Kg	95	0		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106	2		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.5	ug/Kg	103	0		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	22		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	20.4	ug/Kg	102	0		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101	4		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	17.0	ug/Kg	85	7		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.5	ug/Kg	98	16		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	20.0	ug/Kg	100	1		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.4	ug/Kg	102	1		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	20.6	ug/Kg	103	1		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	17		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.1	ug/Kg	101	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.3	ug/Kg	102	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.1	ug/Kg	101	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102	0		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.6	ug/Kg	103	2		70 (77)	130 (123)	30 (20)
	Benzene	20	20.6	ug/Kg	103	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.5	ug/Kg	103	2		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.4	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.1	ug/Kg	101	0		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.2	ug/Kg	101	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	10		40 (70)	160 (135)	30 (20)
	Toluene	20	20.1	ug/Kg	101	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101	1		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101	0		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	18		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.9	ug/Kg	100	0		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.7	ug/Kg	99	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.7	ug/Kg	104	0		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.2	ug/Kg	101	1		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.2	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	39.9	ug/Kg	100	0		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.8	ug/Kg	99	0		70 (83)	130 (123)	30 (20)
	Styrene	20	19.8	ug/Kg	99	0		70 (82)	130 (124)	30 (20)
	Bromoform	20	18.7	ug/Kg	94	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.2	ug/Kg	106	3		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104	0		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101	1		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100	1		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2371 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY022841.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0626SBSD01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/Kg	101	0		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94	4		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0623MBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2371

Lab File ID: VX046805.D | Lab Sample ID: VX0623MBL01

Date Analyzed: 06/23/2025 | Time Analyzed: 09:31

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0623MBS01	VX0623MBS01	VX046807.D	06/23/2025
BBX42025	Q2371-05	VX046818.D	06/23/2025
RPXY42025	Q2371-04	VX046819.D	06/23/2025
RPXY42025DL	Q2371-04DL	VX046824.D	06/23/2025
BBX42025DL	Q2371-05DL	VX046825.D	06/23/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0626SBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2371

Lab File ID: VY022839.D | Lab Sample ID: VY0626SBL01

Date Analyzed: 06/26/2025 | Time Analyzed: 10:39

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0626SBS01	VY0626SBS01	VY022840.D	06/26/2025
VY0626SBSD01	VY0626SBSD01	VY022841.D	06/26/2025
GBUFF1	Q2371-06	VY022846.D	06/26/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VX046715.D BFB Injection Date: 06/17/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:46

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	74.8
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72 (96.2) 1
177	5.0 - 9.0% of mass 176	4.3 (6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX046718.D	06/17/2025	11:19
VSTDICC020	VSTDICC020	VX046719.D	06/17/2025	13:59
VSTDICCC050	VSTDICCC050	VX046720.D	06/17/2025	14:20
VSTDICC100	VSTDICC100	VX046721.D	06/17/2025	14:41
VSTDICC150	VSTDICC150	VX046722.D	06/17/2025	15:02
VSTDICC001	VSTDICC001	VX046725.D	06/17/2025	17:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VX046803.D BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:05

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 60.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	76.4
175	5.0 - 9.0% of mass 174	6 (7.8) 1
176	95.0 - 101.0% of mass 174	73.2 (95.8) 1
177	5.0 - 9.0% of mass 176	5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046804.D	06/23/2025	09:03
VX0623MBL01	VX0623MBL01	VX046805.D	06/23/2025	09:31
VX0623MBS01	VX0623MBS01	VX046807.D	06/23/2025	10:13
BBX42025	Q2371-05	VX046818.D	06/23/2025	14:28
RPXY42025	Q2371-04	VX046819.D	06/23/2025	14:50
RPXY42025DL	Q2371-04DL	VX046824.D	06/23/2025	16:38
BBX42025DL	Q2371-05DL	VX046825.D	06/23/2025	16:59

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VY022775.D BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_Y BFB Injection Time: 10:17

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022776.D	06/23/2025	13:38
VSTDICC010	VSTDICC010	VY022777.D	06/23/2025	14:00
VSTDICC020	VSTDICC020	VY022778.D	06/23/2025	14:23
VSTDICCC050	VSTDICCC050	VY022779.D	06/23/2025	14:46
VSTDICC100	VSTDICC100	VY022780.D	06/23/2025	15:08
VSTDICC150	VSTDICC150	VY022781.D	06/23/2025	15:31

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VY022837.D BFB Injection Date: 06/26/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:22

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.5
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	86.1
175	5.0 - 9.0% of mass 174	6.1 (7.1) 1
176	95.0 - 101.0% of mass 174	82.8 (96.2) 1
177	5.0 - 9.0% of mass 176	5.5 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022838.D	06/26/2025	10:07
VY0626SBL01	VY0626SBL01	VY022839.D	06/26/2025	10:39
VY0626SBS01	VY0626SBS01	VY022840.D	06/26/2025	11:09
VY0626SBSD01	VY0626SBSD01	VY022841.D	06/26/2025	11:32
GBUFF1	Q2371-06	VY022846.D	06/26/2025	13:43

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VX046804.D Date Analyzed: 06/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:03

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	146834	5.55	235057	6.76	202524	10.05
UPPER LIMIT	293668	6.05	470114	7.263	405048	10.549
LOWER LIMIT	73417	5.05	117529	6.263	101262	9.549
EPA SAMPLE NO.						
RPXY42025	167072	5.57	289861	6.77	268205	10.06
RPXY42025DL	116345	5.56	201396	6.77	184795	10.06
BBX42025	111553	5.57	195304	6.77	177101	10.06
BBX42025DL	152903	5.56	268363	6.77	246351	10.06
VX0623MBL01	114433	5.56	198594	6.76	177448	10.05
VX0623MBS01	140099	5.56	228017	6.77	204798	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VX046804.D Date Analyzed: 06/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:03

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	98257	12.018				
UPPER LIMIT	196514	12.518				
LOWER LIMIT	49128.5	11.518				
EPA SAMPLE NO.						
RPXY42025	122450	12.02				
RPXY42025DL	91592	12.02				
BBX42025	74038	12.02				
BBX42025DL	124245	12.02				
VX0623MBL01	86635	12.02				
VX0623MBS01	106315	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VY022838.D Date Analyzed: 06/26/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	469939	7.71	769006	8.62	661912	11.41
UPPER LIMIT	939878	8.207	1538010	9.116	1323820	11.914
LOWER LIMIT	234970	7.207	384503	8.116	330956	10.914
EPA SAMPLE NO.						
GBUFF1	299952	7.71	553421	8.62	528624	11.41
VY0626SBL01	328943	7.71	604959	8.62	571725	11.41
VY0626SBS01	434636	7.71	740035	8.62	637859	11.42
VY0626SBSD01	431722	7.71	725692	8.62	622886	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371

Lab File ID: VY022838.D Date Analyzed: 06/26/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:07

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	328091	13.347				
UPPER LIMIT	656182	13.847				
LOWER LIMIT	164046	12.847				
EPA SAMPLE NO.						
GBUFF1	237063	13.35				
VY0626SBL01	249132	13.35				
VY0626SBS01	302470	13.35				
VY0626SBSD01	291493	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBL01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046805.D	1		06/23/25 09:31	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBL01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046805.D	1		06/23/25 09:31	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	114000	5.556			
540-36-3	1,4-Difluorobenzene	199000	6.763			
3114-55-4	Chlorobenzene-d5	177000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	86600	12.018			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBL01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046805.D	1		06/23/25 09:31	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBL01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022839.D	1		06/26/25 10:39	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBL01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022839.D	1		06/26/25 10:39	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		70 (17) - 130 (146)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	329000	7.713			
540-36-3	1,4-Difluorobenzene	605000	8.616			
3114-55-4	Chlorobenzene-d5	572000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	249000	13.347			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBL01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022839.D	1		06/26/25 10:39	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBS01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046807.D	1		06/23/25 10:13	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800		110	500	ug/Kg
74-87-3	Chloromethane	1700		110	500	ug/Kg
75-01-4	Vinyl Chloride	1800		79.0	500	ug/Kg
74-83-9	Bromomethane	1900		110	500	ug/Kg
75-00-3	Chloroethane	1800		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1700		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1800		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1800		100	500	ug/Kg
67-64-1	Acetone	7400		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1600		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1600		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1600		150	500	ug/Kg
75-09-2	Methylene Chloride	1700		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1800		80.0	500	ug/Kg
110-82-7	Cyclohexane	1800		79.0	500	ug/Kg
78-93-3	2-Butanone	7800		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1800		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	2000		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1700		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1800		91.0	500	ug/Kg
71-43-2	Benzene	1800		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1800		79.0	500	ug/Kg
79-01-6	Trichloroethene	1800		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1800		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1800		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8400		360	2500	ug/Kg
108-88-3	Toluene	1800		78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBS01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046807.D	1		06/23/25 10:13	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1800		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1800		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	1800		92.0	500	ug/Kg
591-78-6	2-Hexanone	8000		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1800		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	1800		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1800		110	500	ug/Kg
108-90-7	Chlorobenzene	1800		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1800		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3600		120	1000	ug/Kg
95-47-6	o-Xylene	1900		82.0	500	ug/Kg
100-42-5	Styrene	1800		71.0	500	ug/Kg
75-25-2	Bromoform	1800		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1800		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1700		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1500		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1700		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		70 (63) - 130 (155)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (70) - 130 (134)	98%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	5.562			
540-36-3	1,4-Difluorobenzene	228000	6.769			
3114-55-4	Chlorobenzene-d5	205000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	106000	12.018			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBS01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046807.D	1		06/23/25 10:13	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBS01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022840.D	1		06/26/25 11:09	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.0		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	150		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.3		0.79	5.00	ug/Kg
78-93-3	2-Butanone	130		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.3		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.8		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBS01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022840.D	1		06/26/25 11:09	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	120		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	435000	7.713			
540-36-3	1,4-Difluorobenzene	740000	8.616			
3114-55-4	Chlorobenzene-d5	638000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	302000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBS01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022840.D	1		06/26/25 11:09	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBSD01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022841.D	1		06/26/25 11:32	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.9		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBSD01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022841.D	1		06/26/25 11:32	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.7		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		70 (63) - 130 (155)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		70 (17) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	432000	7.707			
540-36-3	1,4-Difluorobenzene	726000	8.616			
3114-55-4	Chlorobenzene-d5	623000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	291000	13.347			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBSD01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022841.D	1		06/26/25 11:32	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX046718.D RRF020 = VX046719.D RRF050 = VX046720.D
RRF100 = VX046721.D RRF150 = VX046722.D RRF001 = VX046725.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.464	0.507	0.583	0.627	0.598	0.425	0.534	15.1
Chloromethane	0.541	0.570	0.593	0.641	0.627	0.485	0.576	10
Vinyl Chloride	0.569	0.632	0.634	0.687	0.644	0.521	0.614	9.7
Bromomethane	0.371	0.367	0.369	0.341	0.280		0.346	11.1
Chloroethane	0.350	0.388	0.377	0.405	0.381	0.332	0.372	7.1
Trichlorofluoromethane	0.897	0.974	0.967	1.030	0.972	0.757	0.933	10.3
1,1,2-Trichlorotrifluoroethane	0.563	0.608	0.576	0.623	0.594	0.470	0.572	9.6
1,1-Dichloroethene	0.527	0.574	0.569	0.609	0.583	0.451	0.552	10.2
Acetone	0.219	0.222	0.220	0.238	0.234	0.251	0.231	5.6
Carbon Disulfide	1.503	1.644	1.599	1.735	1.656	1.869	1.668	7.5
Methyl tert-butyl Ether	1.628	1.803	1.752	1.898	1.808	1.427	1.720	9.8
Methyl Acetate	0.577	0.590	0.581	0.650	0.647	0.470	0.586	11.2
Methylene Chloride	0.655	0.655	0.610	0.666	0.624	0.637	0.641	3.3
trans-1,2-Dichloroethene	0.569	0.627	0.589	0.637	0.595	0.529	0.591	6.7
1,1-Dichloroethane	1.054	1.153	1.088	1.170	1.114	0.972	1.092	6.6
Cyclohexane	0.983	1.086	1.013	1.074	1.021		1.036	4.2
2-Butanone	0.319	0.325	0.338	0.371	0.353	0.251	0.326	12.7
Carbon Tetrachloride	0.509	0.537	0.515	0.548	0.531	0.470	0.518	5.4
cis-1,2-Dichloroethene	0.681	0.731	0.686	0.741	0.704	0.623	0.694	6.1
Bromochloromethane	0.527	0.459	0.485	0.519	0.500	0.480	0.495	5.2
Chloroform	1.102	1.190	1.114	1.181	1.109	0.857	1.092	11.1
1,1,1-Trichloroethane	0.931	1.012	0.956	1.046	0.990	0.812	0.958	8.6
Methylcyclohexane	0.631	0.642	0.629	0.672	0.647	0.550	0.628	6.6
Benzene	1.431	1.477	1.417	1.509	1.427	1.218	1.413	7.2
1,2-Dichloroethane	0.508	0.523	0.495	0.528	0.497	0.429	0.497	7.2
Trichloroethene	0.355	0.374	0.356	0.389	0.366	0.320	0.360	6.5
1,2-Dichloropropane	0.347	0.372	0.346	0.374	0.357	0.305	0.350	7.2
Bromodichloromethane	0.510	0.545	0.522	0.562	0.540	0.404	0.514	11.1
4-Methyl-2-Pentanone	0.408	0.414	0.426	0.460	0.439	0.322	0.411	11.6
Toluene	0.884	0.927	0.888	0.927	0.881	0.750	0.876	7.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX046718.D RRF020 = VX046719.D RRF050 = VX046720.D
RRF100 = VX046721.D RRF150 = VX046722.D RRF001 = VX046725.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.438	0.484	0.488	0.555	0.540	0.355	0.477	15.3
cis-1,3-Dichloropropene	0.516	0.555	0.548	0.603	0.589	0.436	0.541	11.1
1,1,2-Trichloroethane	0.330	0.341	0.326	0.347	0.329	0.287	0.327	6.4
2-Hexanone	0.285	0.285	0.297	0.320	0.305	0.214	0.284	13
Dibromochloromethane	0.380	0.402	0.388	0.419	0.402	0.318	0.385	9.3
1,2-Dibromoethane	0.333	0.348	0.335	0.363	0.346	0.267	0.332	10.1
Tetrachloroethene	0.345	0.353	0.340	0.360	0.339	0.341	0.346	2.4
Chlorobenzene	1.114	1.148	1.091	1.165	1.100	1.005	1.104	5.1
Ethyl Benzene	1.905	2.030	1.933	2.062	1.945	1.696	1.929	6.7
m/p-Xylenes	0.705	0.764	0.724	0.765	0.718	0.635	0.719	6.7
o-Xylene	0.686	0.729	0.692	0.739	0.698	0.498	0.673	13.1
Styrene	1.144	1.256	1.208	1.267	1.203	0.993	1.179	8.6
Bromoform	0.268	0.295	0.287	0.315	0.304	0.226	0.282	11.3
Isopropylbenzene	3.593	3.914	3.723	4.004	3.814	3.048	3.682	9.3
1,1,2,2-Tetrachloroethane	1.037	1.075	1.044	1.124	1.074	0.816	1.028	10.6
1,3-Dichlorobenzene	1.703	1.787	1.678	1.786	1.719	1.694	1.728	2.7
1,4-Dichlorobenzene	1.743	1.830	1.653	1.789	1.702	1.932	1.775	5.6
1,2-Dichlorobenzene	1.604	1.701	1.592	1.703	1.628	1.460	1.615	5.5
1,2-Dibromo-3-Chloropropane	0.196	0.205	0.211	0.235	0.237	0.134	0.203	18.6
1,2,4-Trichlorobenzene	1.040	1.138	1.127	1.253	1.160	1.170	1.148	6
1,2,3-Trichlorobenzene	1.062	1.129	1.082	1.207	1.153	0.957	1.098	7.9
1,2-Dichloroethane-d4	0.801	0.567	0.649	0.726	0.714		0.692	12.7
Dibromofluoromethane	0.362	0.267	0.320	0.354	0.351		0.331	11.9
Toluene-d8	1.342	0.973	1.144	1.250	1.234		1.189	11.7
4-Bromofluorobenzene	0.513	0.354	0.426	0.466	0.456		0.443	13.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date/Time: 06/23/2025 09:03

Lab File ID: VX046804.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.534	0.600		12.36	20
Chloromethane	0.576	0.638	0.1	10.76	20
Vinyl Chloride	0.614	0.680		10.75	20
Bromomethane	0.346	0.403		16.47	20
Chloroethane	0.372	0.421		13.17	20
Trichlorofluoromethane	0.933	1.016		8.9	20
1,1,2-Trichlorotrifluoroethane	0.572	0.624		9.09	20
1,1-Dichloroethene	0.552	0.599		8.51	20
Acetone	0.231	0.211		-8.66	20
Carbon Disulfide	1.668	1.680		0.72	20
Methyl tert-butyl Ether	1.720	1.647		-4.24	20
Methyl Acetate	0.586	0.514		-12.29	20
Methylene Chloride	0.641	0.646		0.78	20
trans-1,2-Dichloroethene	0.591	0.616		4.23	20
1,1-Dichloroethane	1.092	1.134	0.1	3.85	20
Cyclohexane	1.036	1.024		-1.16	20
2-Butanone	0.326	0.263		-19.33	20
Carbon Tetrachloride	0.518	0.536		3.47	20
cis-1,2-Dichloroethene	0.694	0.707		1.87	20
Bromochloromethane	0.495	0.498		0.61	20
Chloroform	1.092	1.125		3.02	20
1,1,1-Trichloroethane	0.958	0.974		1.67	20
Methylcyclohexane	0.628	0.640		1.91	20
Benzene	1.413	1.471		4.11	20
1,2-Dichloroethane	0.497	0.497		0	20
Trichloroethene	0.360	0.372		3.33	20
1,2-Dichloropropane	0.350	0.367		4.86	20
Bromodichloromethane	0.514	0.539		4.86	20
4-Methyl-2-Pentanone	0.411	0.354		-13.87	20
Toluene	0.876	0.898		2.51	20
t-1,3-Dichloropropene	0.477	0.497		4.19	20
cis-1,3-Dichloropropene	0.541	0.568		4.99	20
1,1,2-Trichloroethane	0.327	0.324		-0.92	20
2-Hexanone	0.284	0.237		-16.55	20
Dibromochloromethane	0.385	0.396		2.86	20
1,2-Dibromoethane	0.332	0.322		-3.01	20
Tetrachloroethene	0.346	0.357		3.18	20
Chlorobenzene	1.104	1.136	0.3	2.9	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date/Time: 06/23/2025 09:03

Lab File ID: VX046804.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	1.996		3.47	20
m/p-Xylenes	0.719	0.747		3.89	20
o-Xylene	0.673	0.721		7.13	20
Styrene	1.179	1.237		4.92	20
Bromoform	0.282	0.277	0.1	-1.77	20
Isopropylbenzene	3.682	3.893		5.73	20
1,1,2,2-Tetrachloroethane	1.028	0.984	0.3	-4.28	20
1,3-Dichlorobenzene	1.728	1.724		-0.23	20
1,4-Dichlorobenzene	1.775	1.715		-3.38	20
1,2-Dichlorobenzene	1.615	1.637		1.36	20
1,2-Dibromo-3-Chloropropane	0.203	0.170		-16.26	20
1,2,4-Trichlorobenzene	1.148	1.160		1.04	20
1,2,3-Trichlorobenzene	1.098	1.090		-0.73	20
1,2-Dichloroethane-d4	0.692	0.630		-8.96	20
Dibromofluoromethane	0.331	0.339		2.42	20
Toluene-d8	1.189	1.177		-1.01	20
4-Bromofluorobenzene	0.443	0.431		-2.71	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_Y Calibration Date/Time: 06/26/2025 10:07

Lab File ID: VY022838.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.440		2.8	20
Chloromethane	0.816	0.752	0.1	-7.84	20
Vinyl Chloride	1.020	0.980		-3.92	20
Bromomethane	0.802	0.762		-4.99	20
Chloroethane	0.686	0.667		-2.77	20
Trichlorofluoromethane	1.129	1.082		-4.16	20
1,1,2-Trichlorotrifluoroethane	0.516	0.546		5.81	20
1,1-Dichloroethene	0.506	0.545		7.71	20
Acetone	0.105	0.131		24.76	20
Carbon Disulfide	1.635	1.715		4.89	20
Methyl tert-butyl Ether	1.378	1.465		6.31	20
Methyl Acetate	0.349	0.323		-7.45	20
Methylene Chloride	0.666	0.634		-4.8	20
trans-1,2-Dichloroethene	0.578	0.608		5.19	20
1,1-Dichloroethane	1.044	1.094	0.1	4.79	20
Cyclohexane	0.959	1.000		4.28	20
2-Butanone	0.154	0.172		11.69	20
Carbon Tetrachloride	0.486	0.541		11.32	20
cis-1,2-Dichloroethene	0.672	0.699		4.02	20
Bromochloromethane	0.439	0.426		-2.96	20
Chloroform	1.076	1.110		3.26	20
1,1,1-Trichloroethane	0.929	0.993		6.89	20
Methylcyclohexane	0.596	0.679		13.93	20
Benzene	1.417	1.540		8.68	20
1,2-Dichloroethane	0.388	0.410		5.67	20
Trichloroethene	0.356	0.385		8.15	20
1,2-Dichloropropane	0.332	0.357		7.53	20
Bromodichloromethane	0.485	0.522		7.63	20
4-Methyl-2-Pentanone	0.210	0.232		10.48	20
Toluene	0.894	0.997		11.52	20
t-1,3-Dichloropropene	0.437	0.479		9.61	20
cis-1,3-Dichloropropene	0.506	0.554		9.49	20
1,1,2-Trichloroethane	0.244	0.262		7.38	20
2-Hexanone	0.143	0.165		15.39	20
Dibromochloromethane	0.315	0.338		7.3	20
1,2-Dibromoethane	0.228	0.245		7.46	20
Tetrachloroethene	0.472	0.516		9.32	20
Chlorobenzene	1.099	1.206	0.3	9.74	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_Y Calibration Date/Time: 06/26/2025 10:07

Lab File ID: VY022838.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	2.192		13.57	20
m/p-Xylenes	0.746	0.854		14.48	20
o-Xylene	0.703	0.798		13.51	20
Styrene	1.178	1.349		14.52	20
Bromoform	0.207	0.220	0.1	6.28	20
Isopropylbenzene	3.698	4.255		15.06	20
1,1,2,2-Tetrachloroethane	0.596	0.638	0.3	7.05	20
1,3-Dichlorobenzene	1.683	1.856		10.28	20
1,4-Dichlorobenzene	1.672	1.815		8.55	20
1,2-Dichlorobenzene	1.483	1.605		8.23	20
1,2-Dibromo-3-Chloropropane	0.101	0.101		0	20
1,2,4-Trichlorobenzene	0.838	0.856		2.15	20
1,2,3-Trichlorobenzene	0.724	0.712		-1.66	20
1,2-Dichloroethane-d4	0.558	0.541		-3.05	20
Dibromofluoromethane	0.304	0.302		-0.66	20
Toluene-d8	1.207	1.223		1.33	20
4-Bromofluorobenzene	0.388	0.390		0.51	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Time: Jun 24 04:08:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

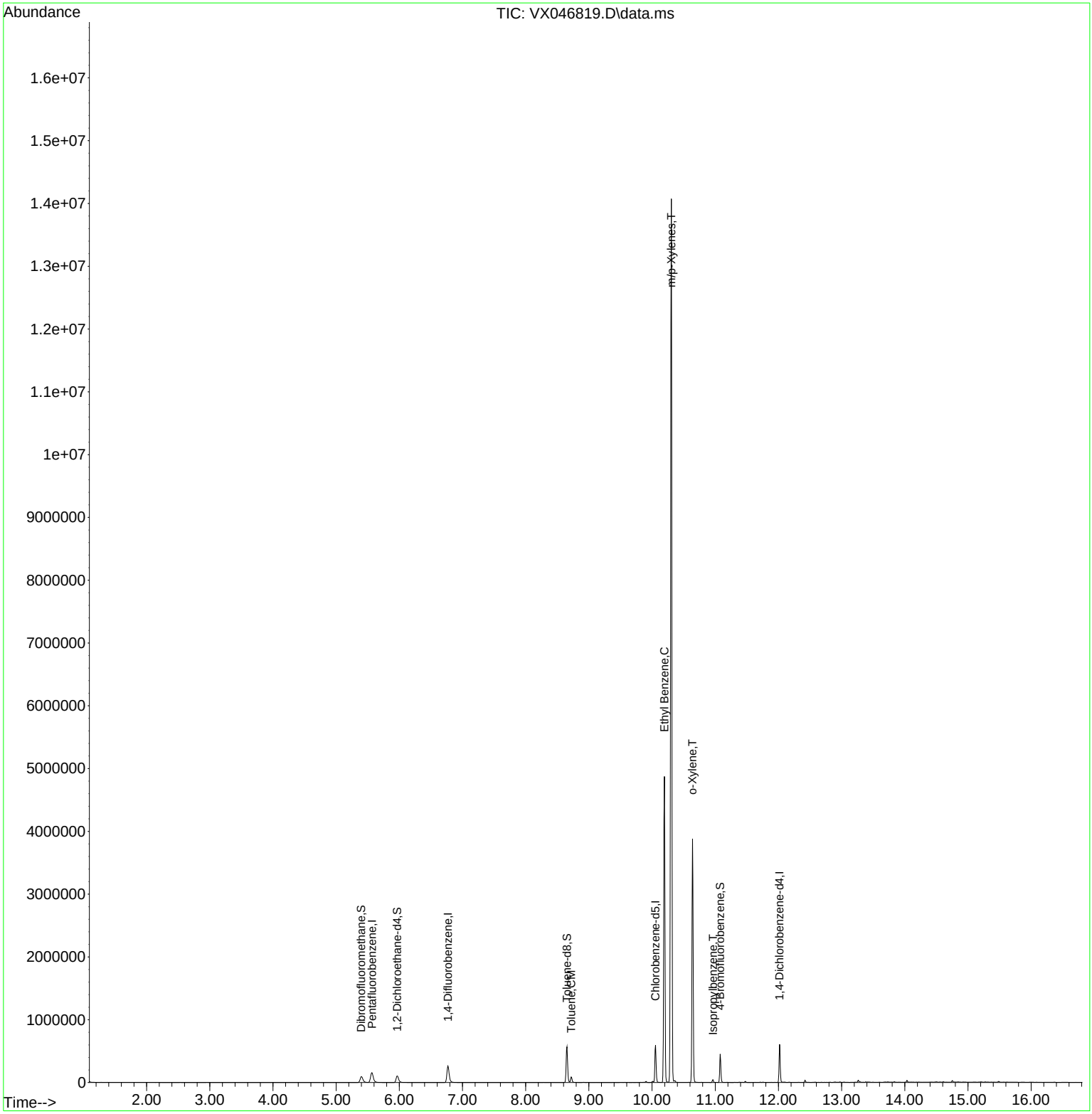
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	167072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	289861	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	122450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	111095	48.074	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.140%			
35) Dibromofluoromethane	5.397	113	92683	48.327	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.660%			
50) Toluene-d8	8.653	98	347237	50.395	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.800%			
62) 4-Bromofluorobenzene	11.079	95	119578	46.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.120%			
Target Compounds						Qvalue
52) Toluene	8.720	92	35818	7.052	ug/l	99
67) Ethyl Benzene	10.195	91	2837603	274.306	ug/l	98
68) m/p-Xylenes	10.305	106	3312872	859.479	ug/l	95
69) o-Xylene	10.640	106	815299	225.698	ug/l	98
73) Isopropylbenzene	10.964	105	24508	2.718	ug/l	99

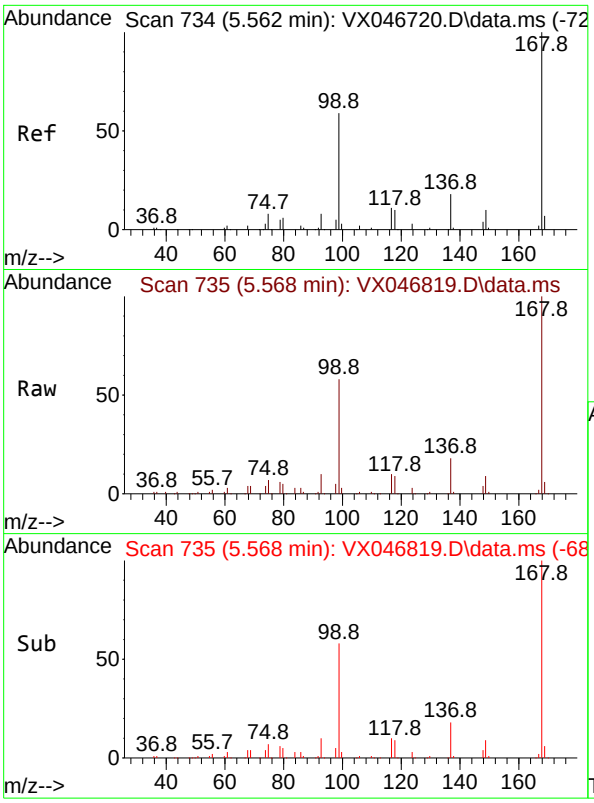
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Time: Jun 24 04:08:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



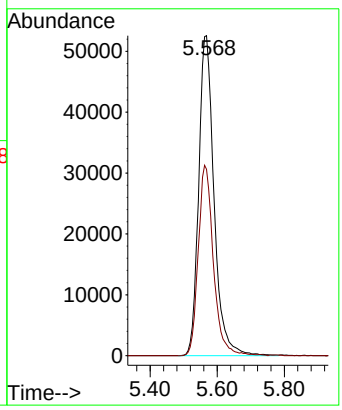


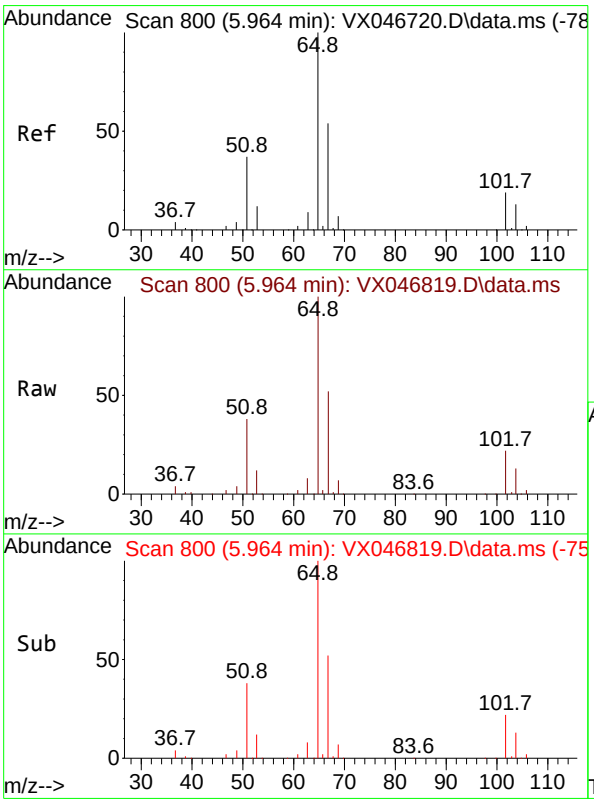
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion:168 Resp: 167072

Ion	Ratio	Lower	Upper
168	100		
99	58.3	48.5	72.7

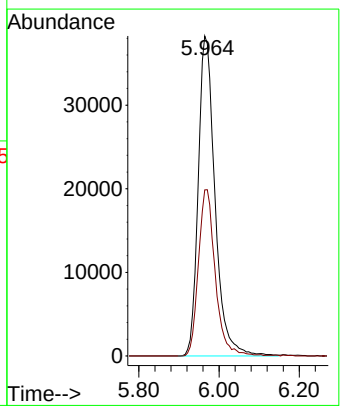


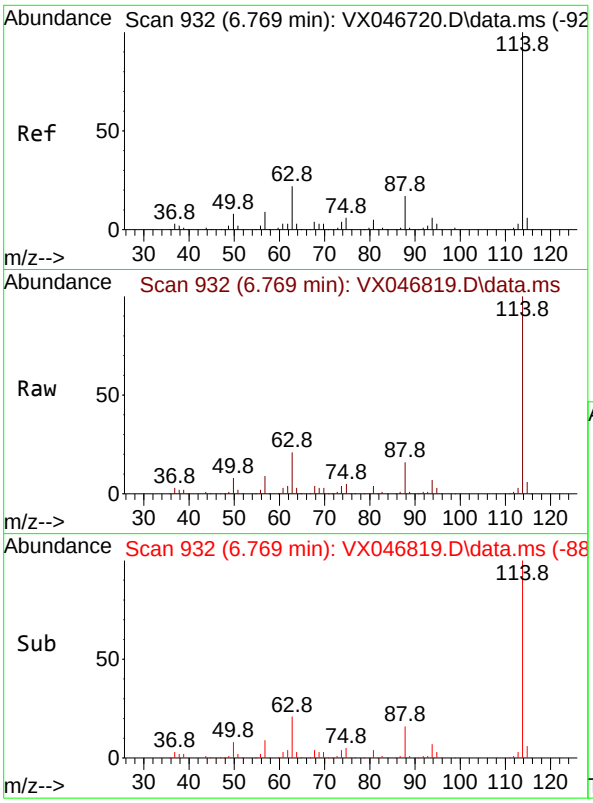


#33
1,2-Dichloroethane-d4
Concen: 48.074 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 65 Resp: 111095

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	105.4



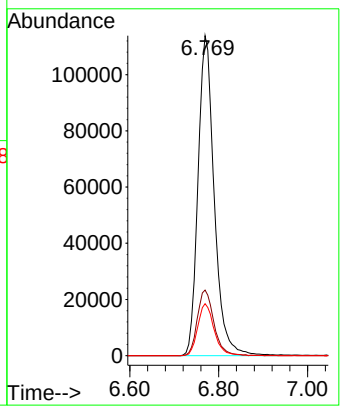


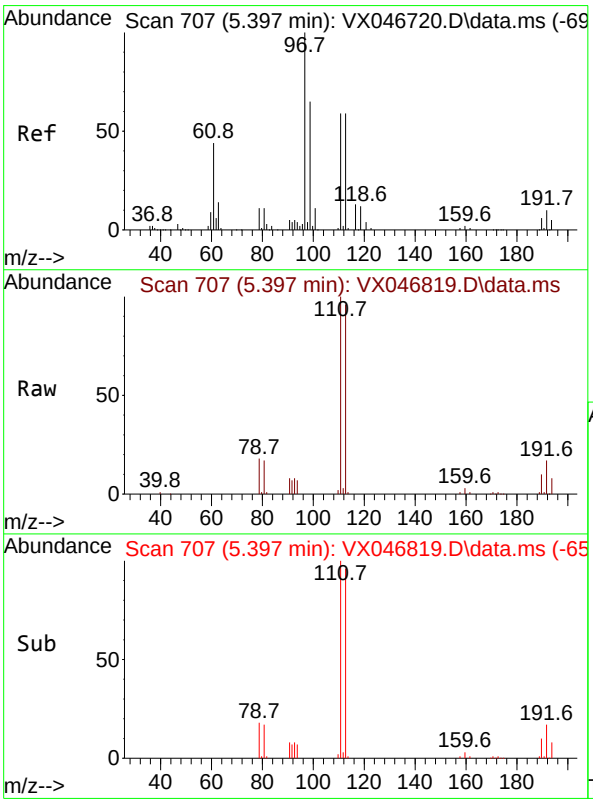
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion:114 Resp: 289861

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.2
88	16.3	0.0	33.2

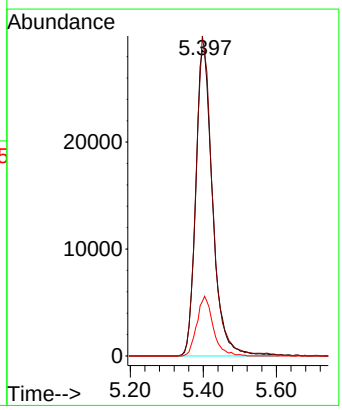


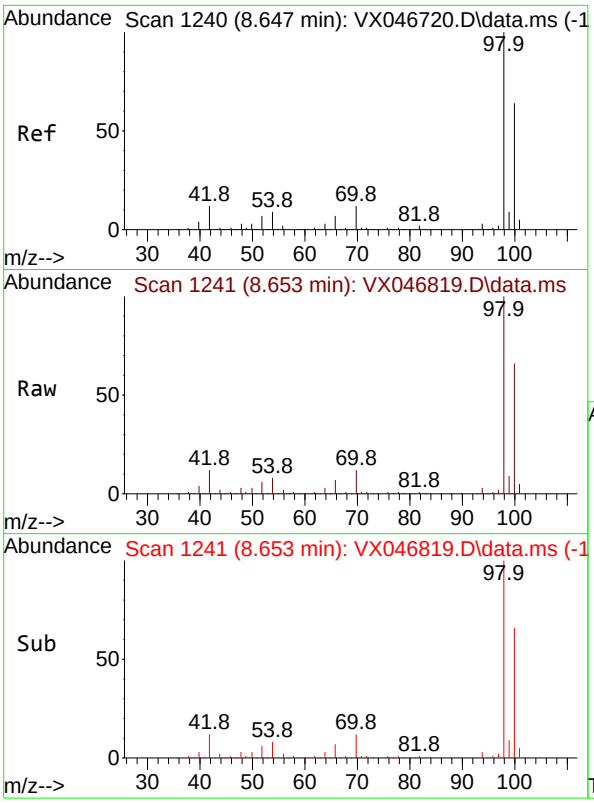


#35
Dibromofluoromethane
Concen: 48.327 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:113 Resp: 92683

Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.0	123.0
192	18.6	15.3	22.9



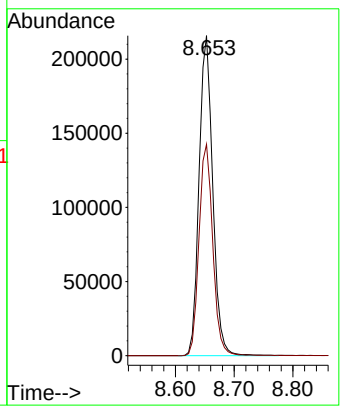


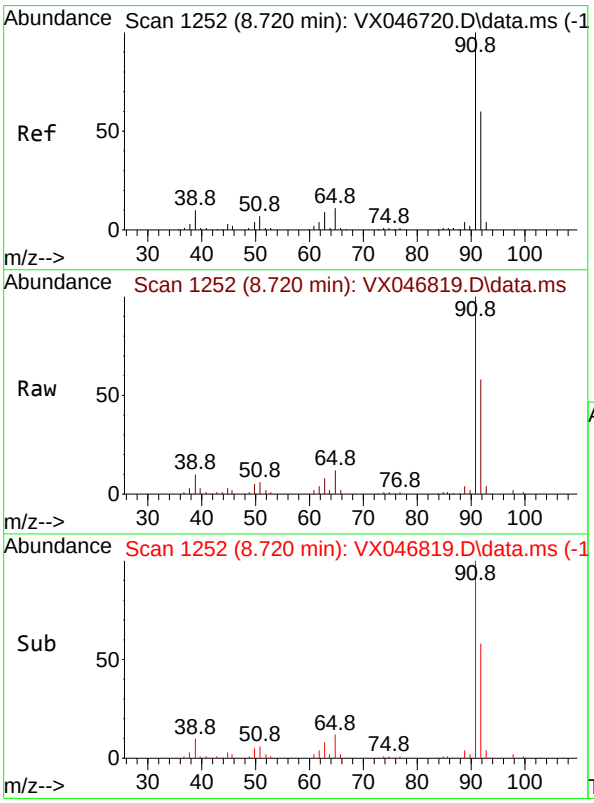
#50
Toluene-d8
Concen: 50.395 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion: 98 Resp: 347237

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

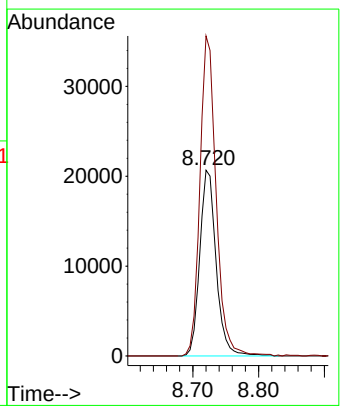


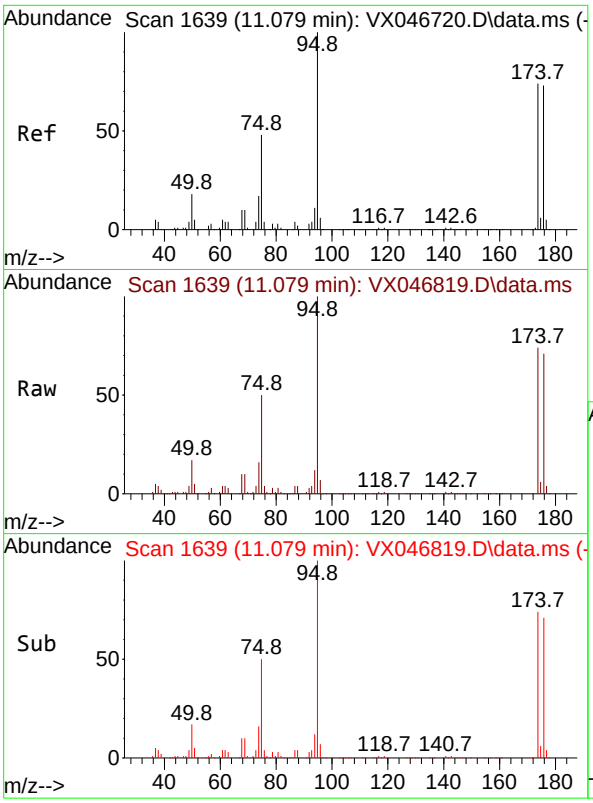


#52
Toluene
Concen: 7.052 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 92 Resp: 35818

Ion	Ratio	Lower	Upper
92	100		
91	170.5	134.8	202.2



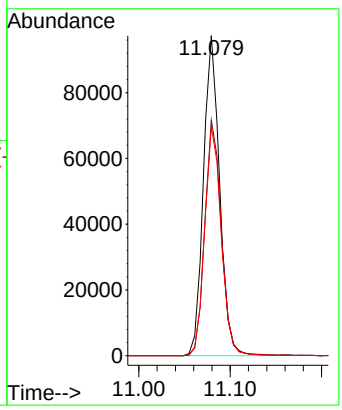


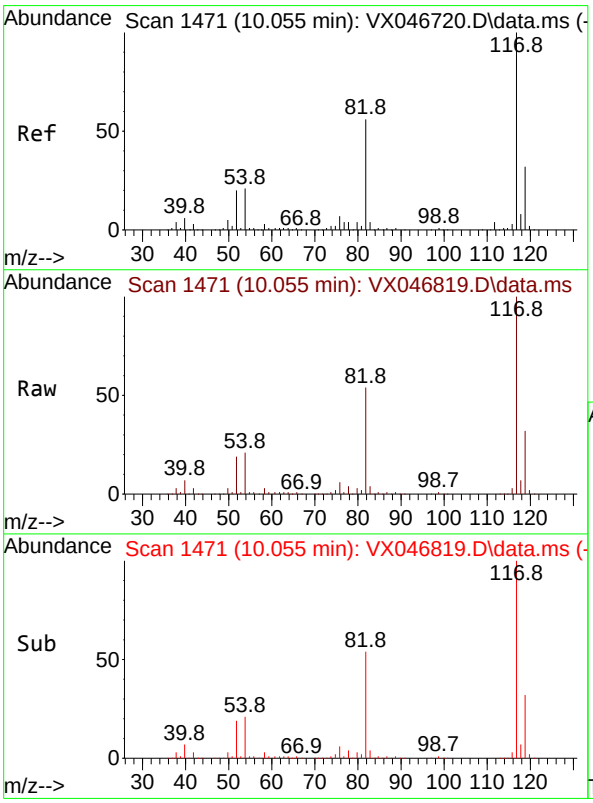
#62
4-Bromofluorobenzene
Concen: 46.557 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion: 95 Resp: 119578

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.4
176	73.2	0.0	145.0

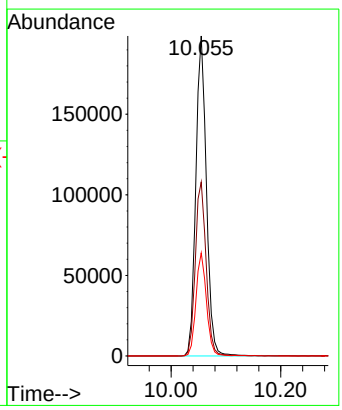


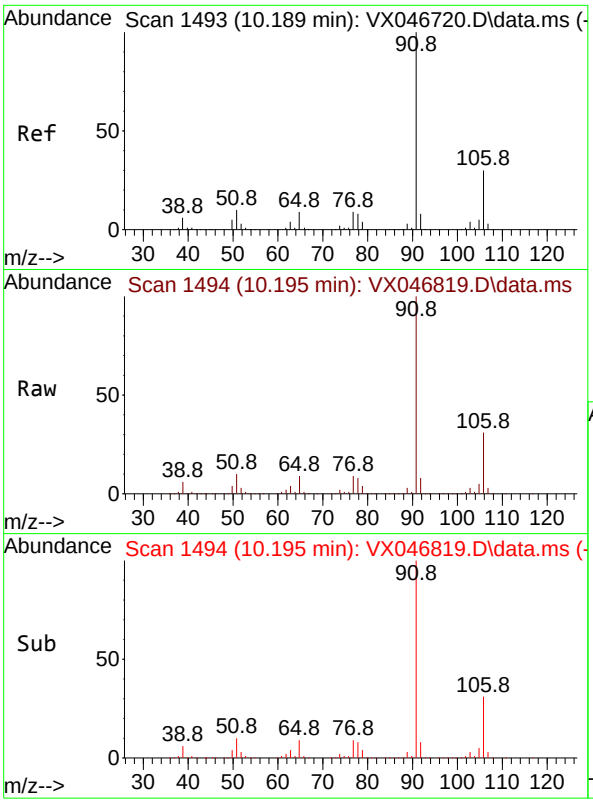


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:117 Resp: 268205

Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.6	66.8
119	32.2	25.8	38.8



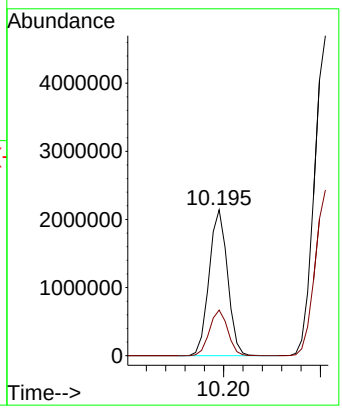


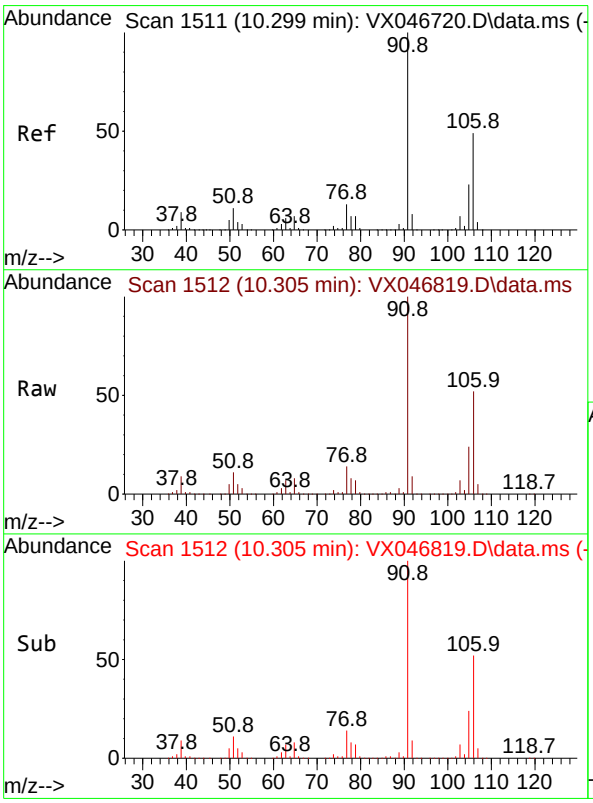
#67
Ethyl Benzene
Concen: 274.306 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion: 91 Resp: 2837603

Ion	Ratio	Lower	Upper
91	100		
106	31.3	24.2	36.2

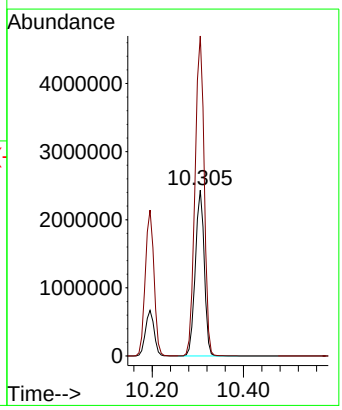


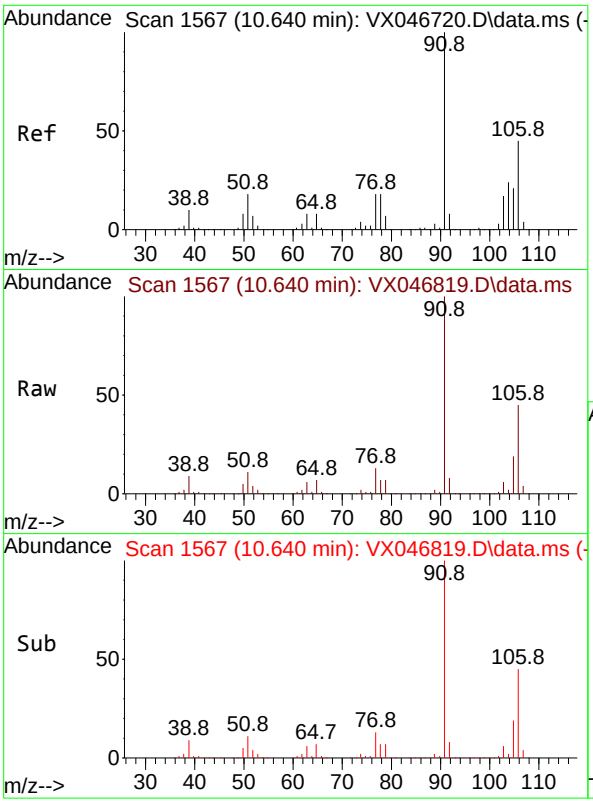


#68
m/p-Xylenes
Concen: 859.479 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:106 Resp: 3312872

Ion	Ratio	Lower	Upper
106	100		
91	198.5	164.8	247.2



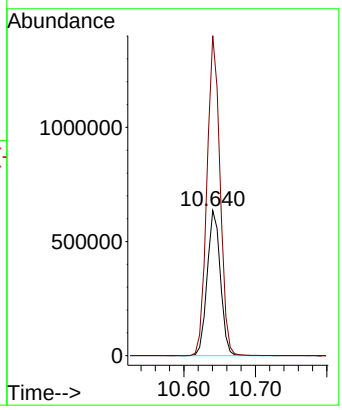


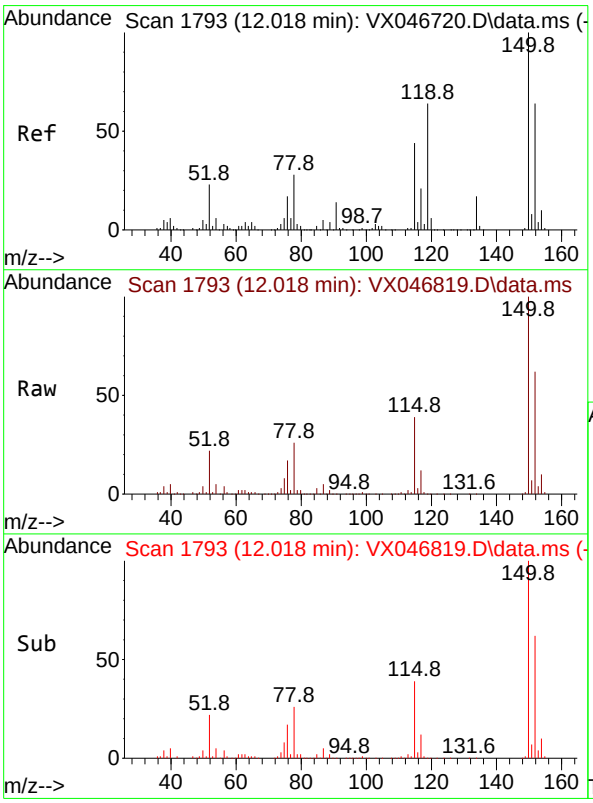
#69
o-Xylene
Concen: 225.698 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion:106 Resp: 815299

Ion	Ratio	Lower	Upper
106	100		
91	218.6	111.3	333.9

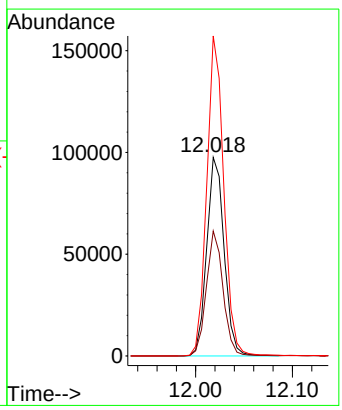


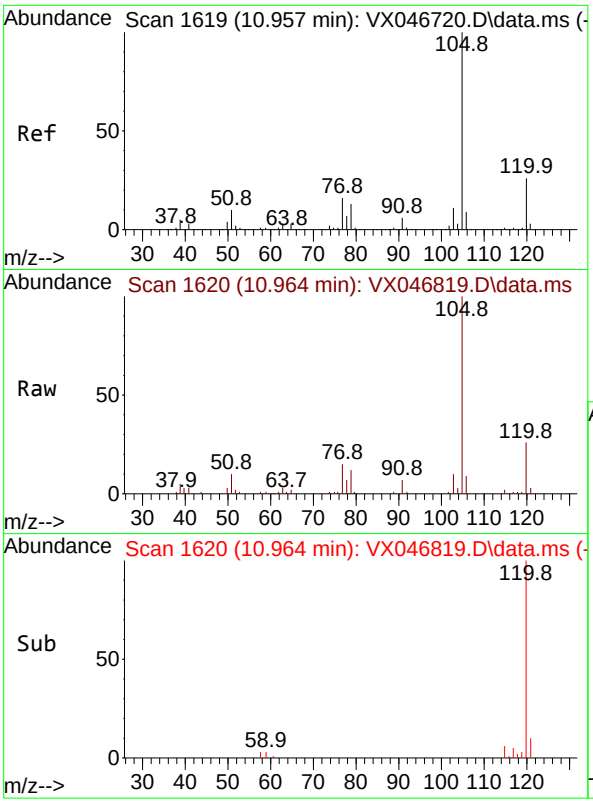


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:152 Resp: 122450

Ion	Ratio	Lower	Upper
152	100		
115	60.8	43.2	129.6
150	157.4	0.0	346.8



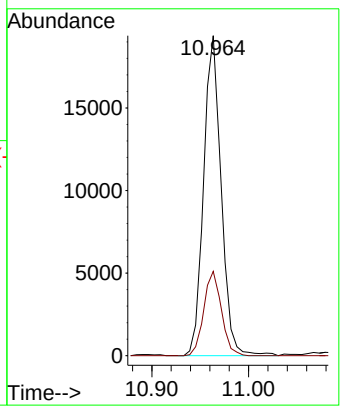


#73
Isopropylbenzene
Concen: 2.718 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Tgt Ion:105 Resp: 24508

Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.0	39.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260

Signal : TIC: VX046819.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.397	696	707	724	rBV	93918	296082	1.53%	0.834%
2	5.562	724	734	761	rVB	155323	489040	2.53%	1.378%
3	5.964	790	800	821	rBV	105268	304373	1.58%	0.858%
4	6.769	921	932	951	rBV	263007	667599	3.46%	1.881%
5	8.653	1234	1241	1248	rBV	567127	918903	4.76%	2.590%
6	10.055	1466	1471	1488	rVB	593722	808176	4.18%	2.278%
7	10.195	1488	1494	1505	rBV	4873045	6449096	33.39%	18.175%
8	10.305	1505	1512	1519	rBV	14068197	19314817	100.00%	54.434%
9	10.640	1561	1567	1578	rBV	3880248	4925724	25.50%	13.882%
10	11.079	1634	1639	1651	rBV	451790	564131	2.92%	1.590%
11	12.018	1788	1793	1800	rBV	605754	745381	3.86%	2.101%

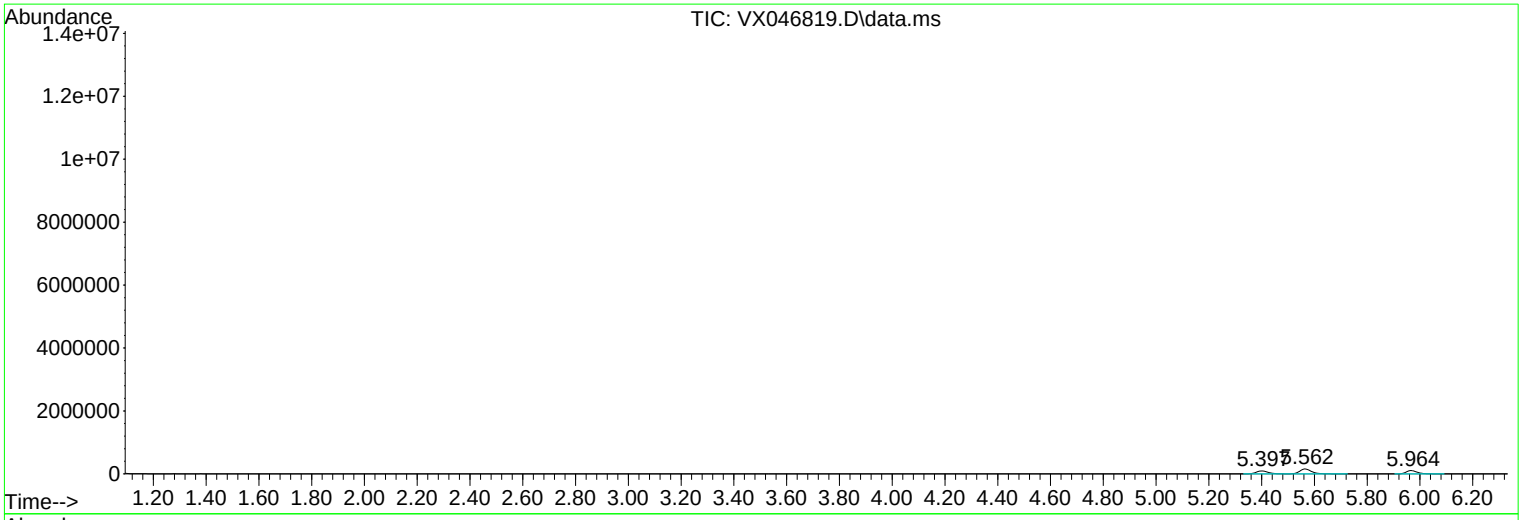
Sum of corrected areas: 35483322

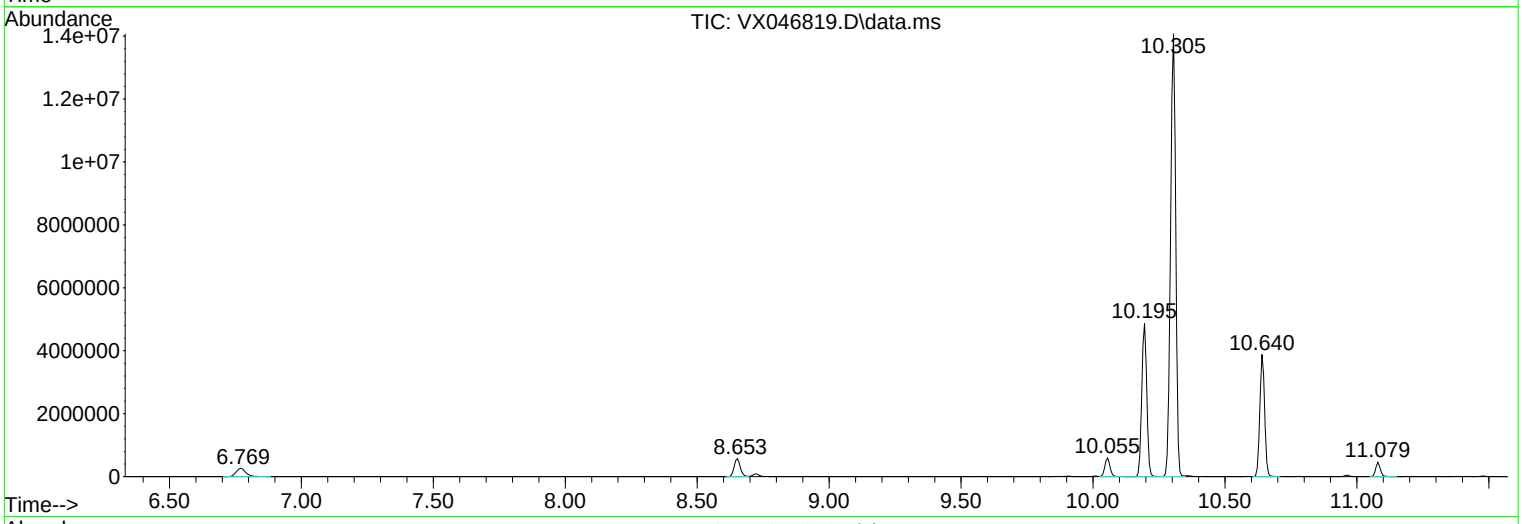
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

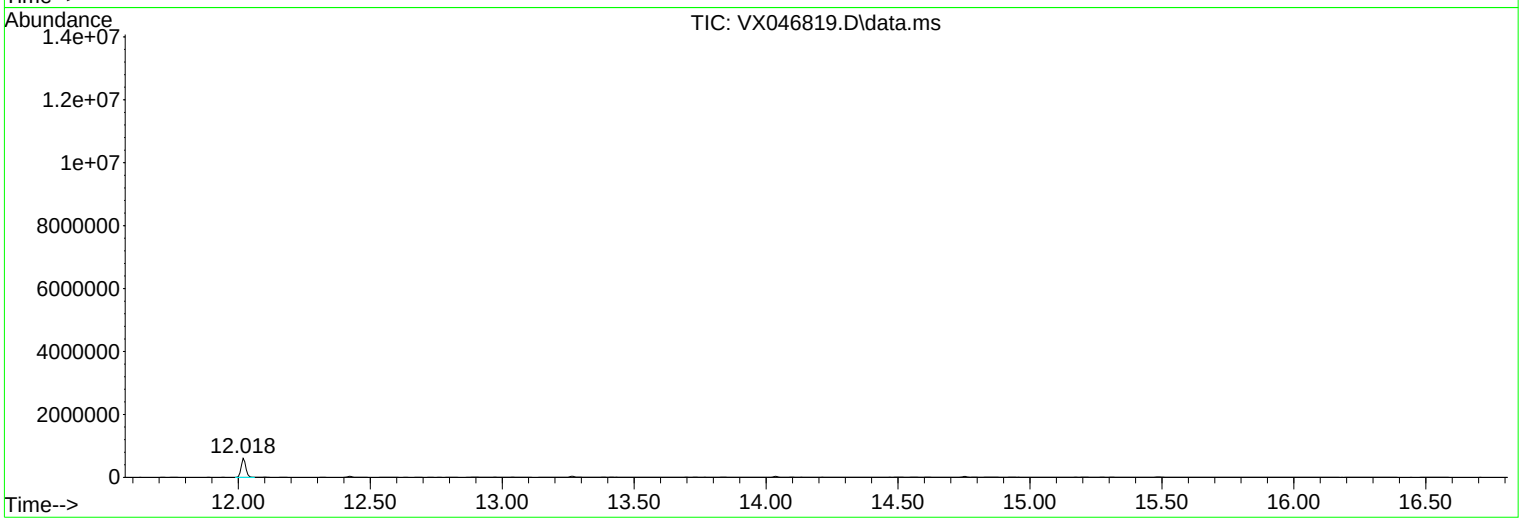
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046824.D
Acq On : 23 Jun 2025 16:38
Operator : JC/MD
Sample : Q2371-04DL 1000X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Quant Time: Jun 24 04:10:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

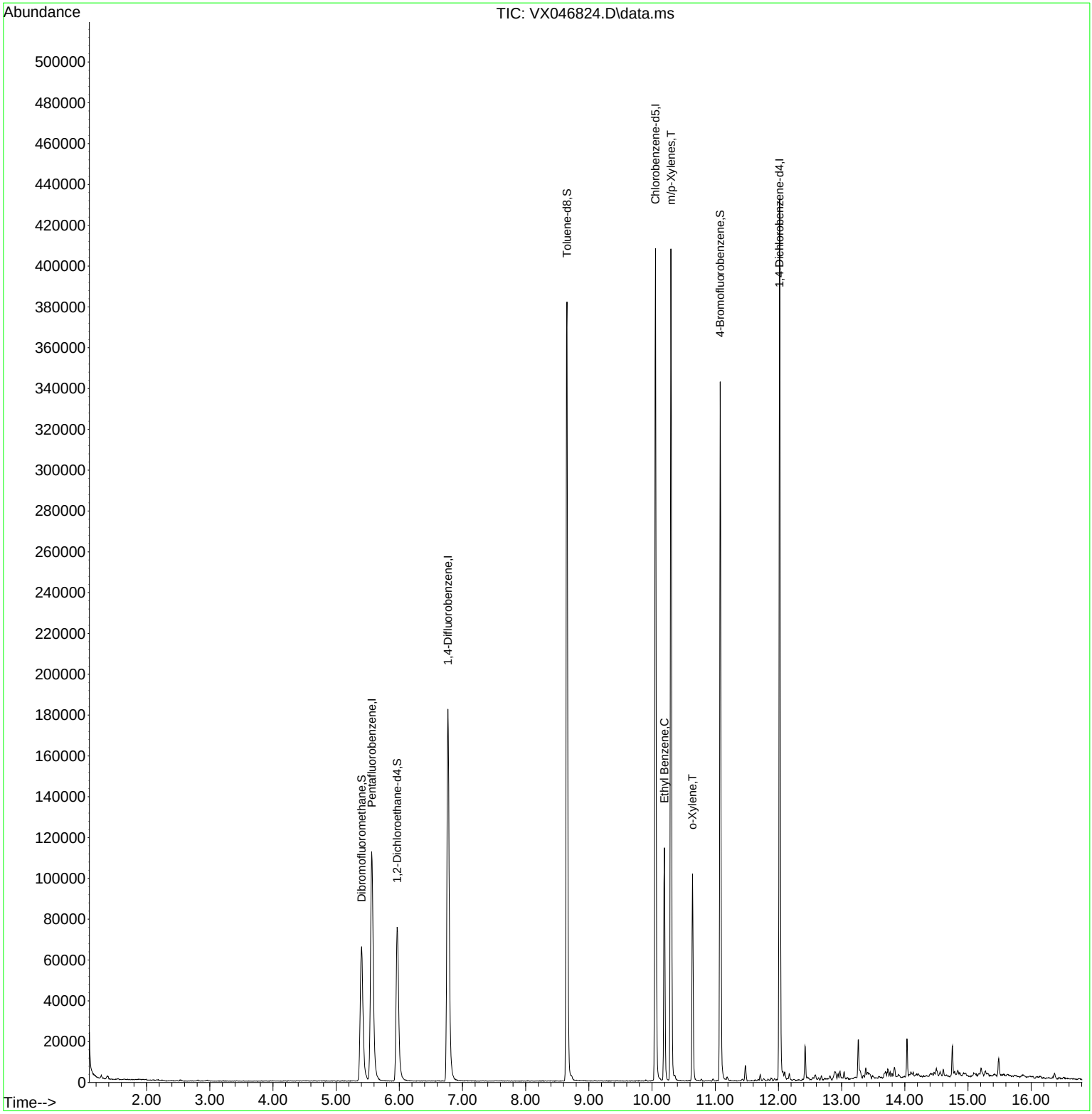
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	116345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	201396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	79202	49.216	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.440%			
35) Dibromofluoromethane	5.403	113	63780	47.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.720%			
50) Toluene-d8	8.653	98	238294	49.776	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.560%			
62) 4-Bromofluorobenzene	11.079	95	92217	51.675	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.340%			
Target Compounds						Qvalue
67) Ethyl Benzene	10.195	91	68180	9.566	ug/l	99
68) m/p-Xylenes	10.299	106	92564	34.854	ug/l	99
69) o-Xylene	10.640	106	22590	9.076	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046824.D
Acq On : 23 Jun 2025 16:38
Operator : JC/MD
Sample : Q2371-04DL 1000X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 22 Sample Multiplier: 1

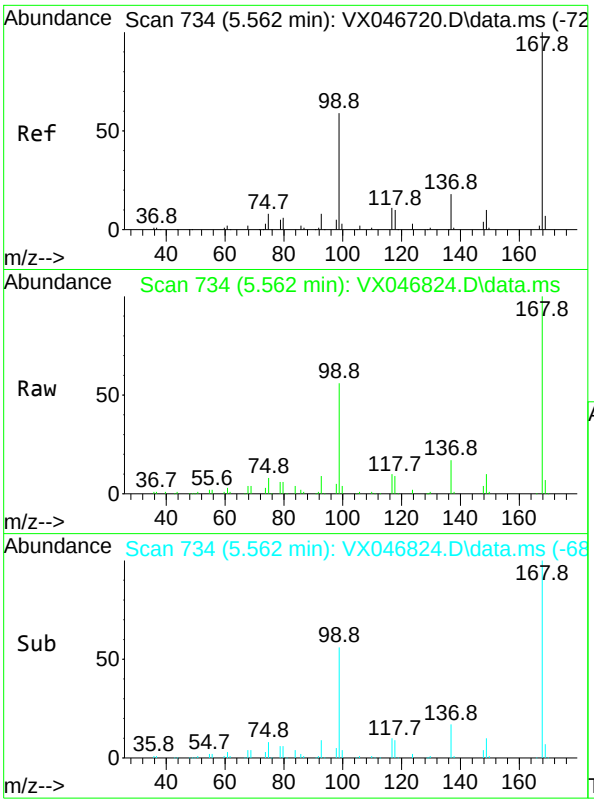
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Quant Time: Jun 24 04:10:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



5

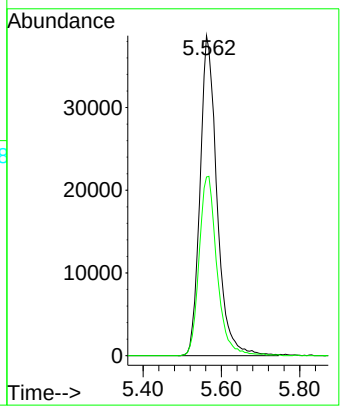
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

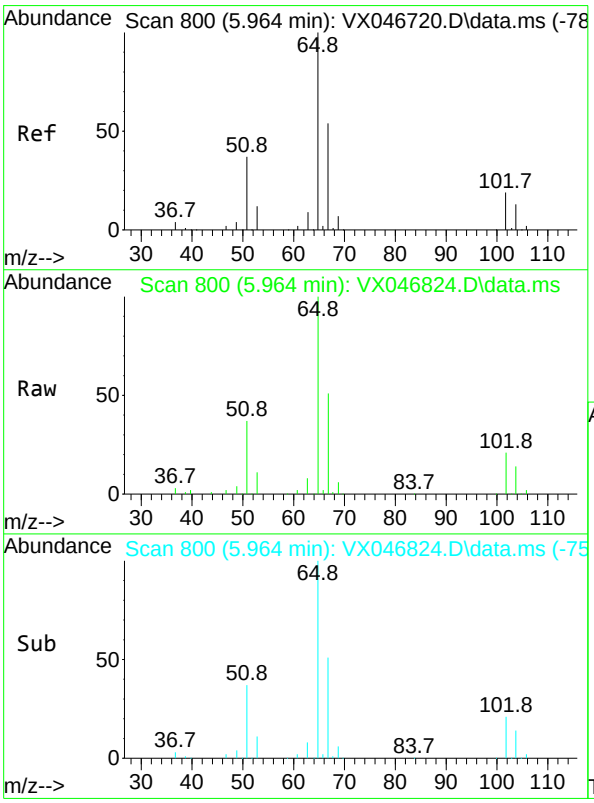


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion:168 Resp: 116345

Ion	Ratio	Lower	Upper
168	100		
99	55.9	48.5	72.7

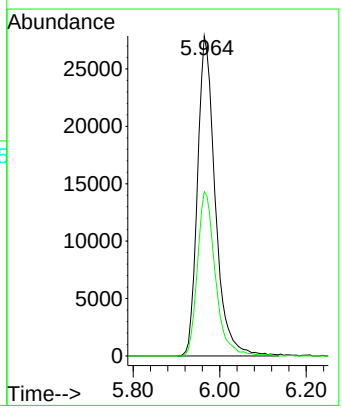


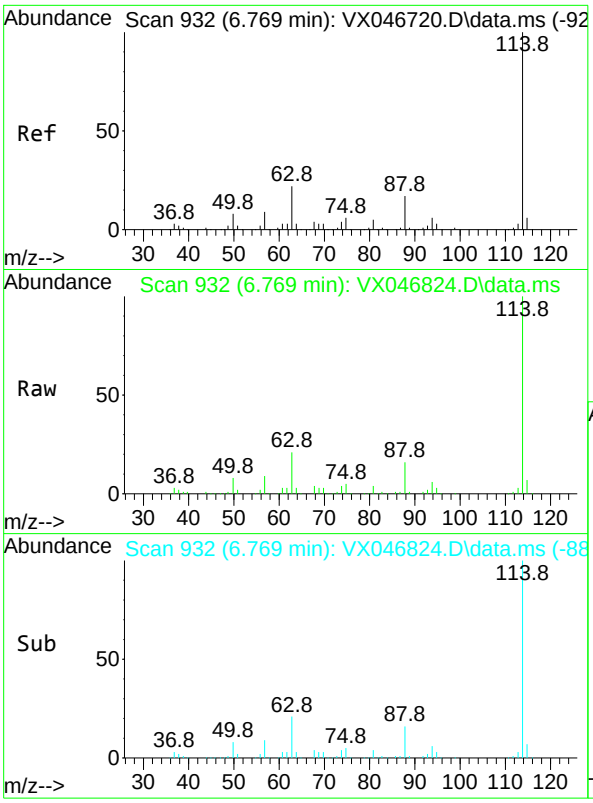


#33
1,2-Dichloroethane-d4
Concen: 49.216 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 65 Resp: 79202

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	105.4



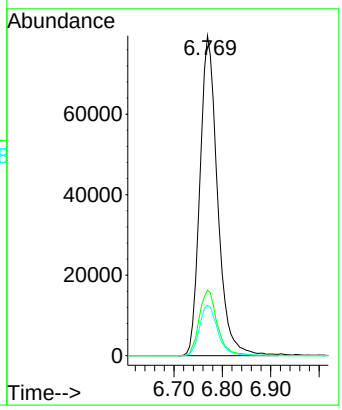


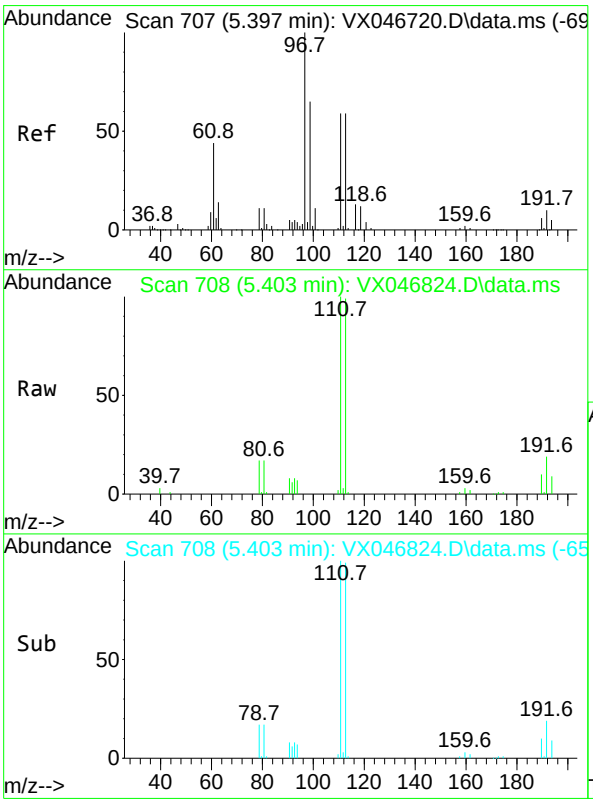
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Tgt Ion:114 Resp: 201396

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.2
88	15.7	0.0	33.2

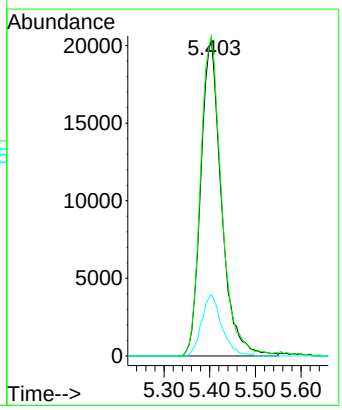




#35
Dibromofluoromethane
Concen: 47.865 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

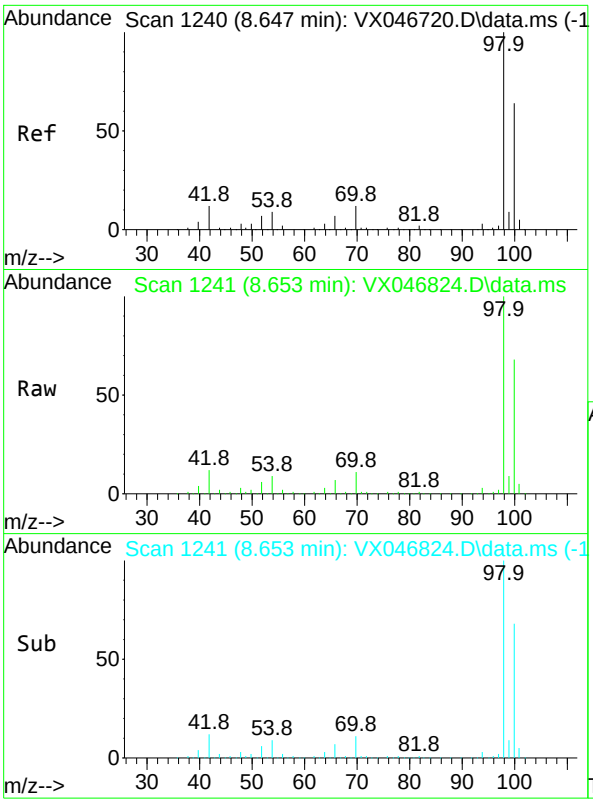
Tgt Ion:113 Resp: 63780

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.0	123.0
192	19.0	15.3	22.9



5

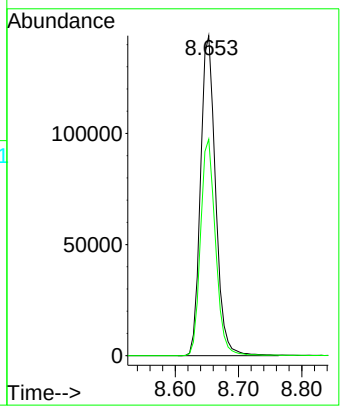
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

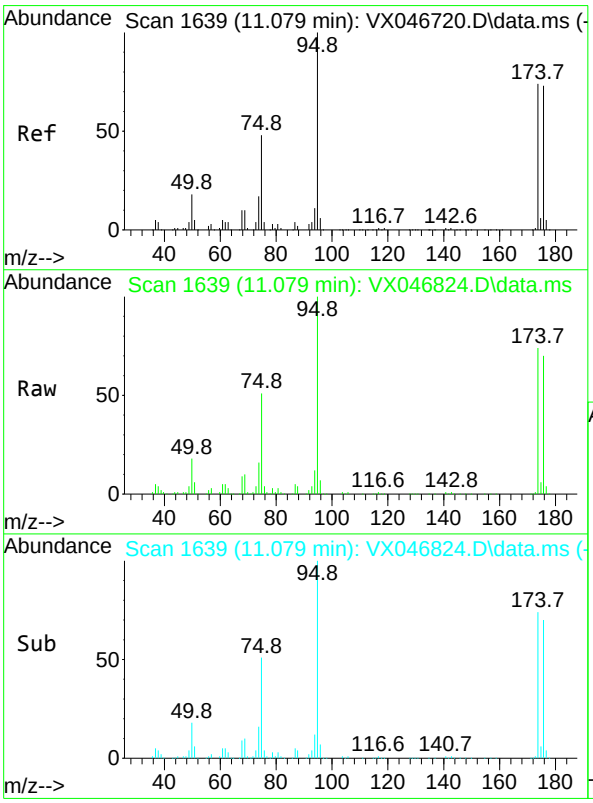


#50
Toluene-d8
Concen: 49.776 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 98 Resp: 238294

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.0	79.4

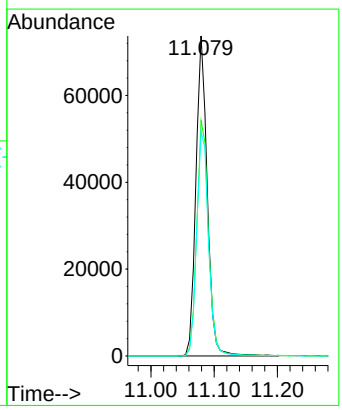


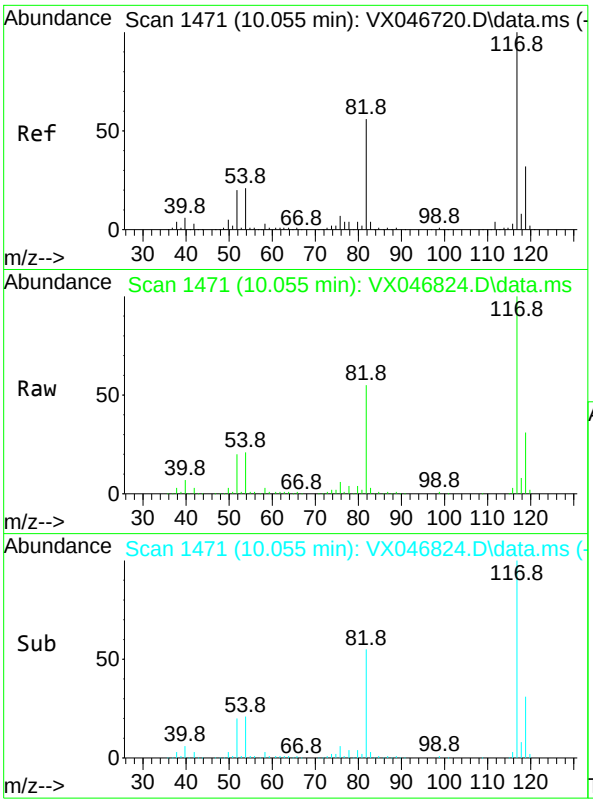


#62
4-Bromofluorobenzene
Concen: 51.675 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 95 Resp: 92217

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.4
176	73.2	0.0	145.0



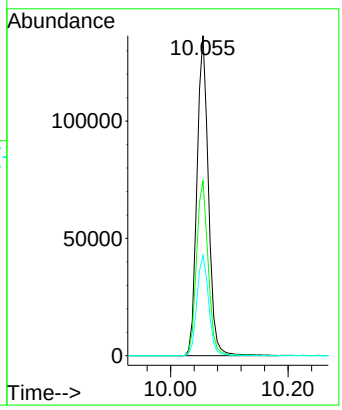


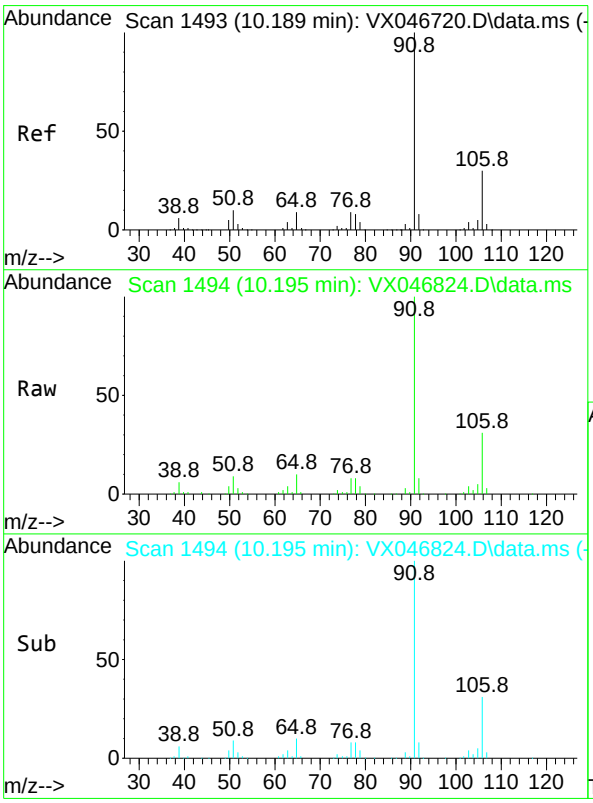
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Tgt Ion:117 Resp: 184795

Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.6	66.8
119	31.3	25.8	38.8

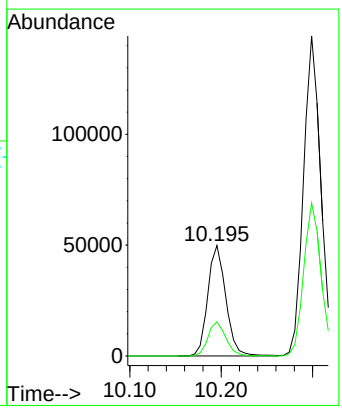


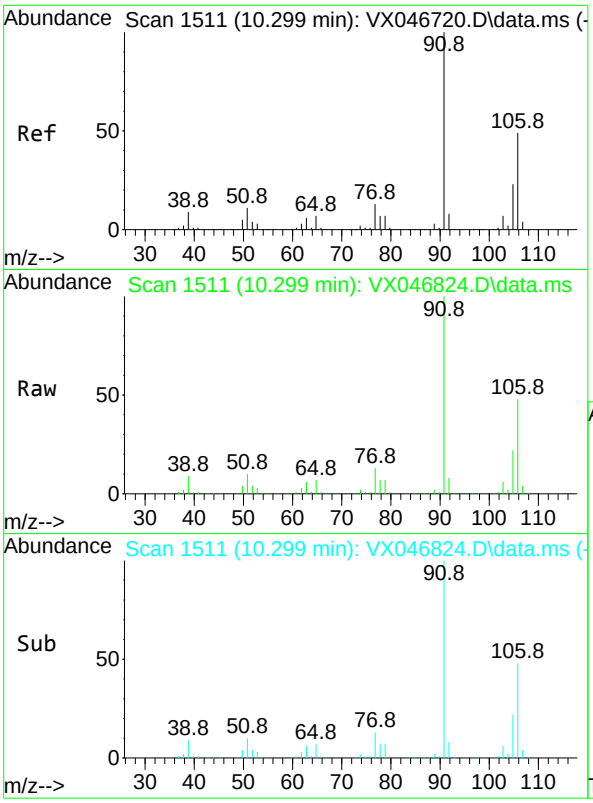


#67
Ethyl Benzene
Concen: 9.566 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 91 Resp: 68180

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.2	36.2



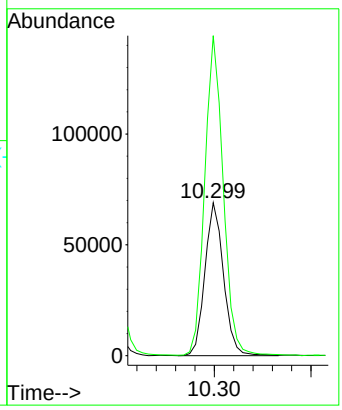


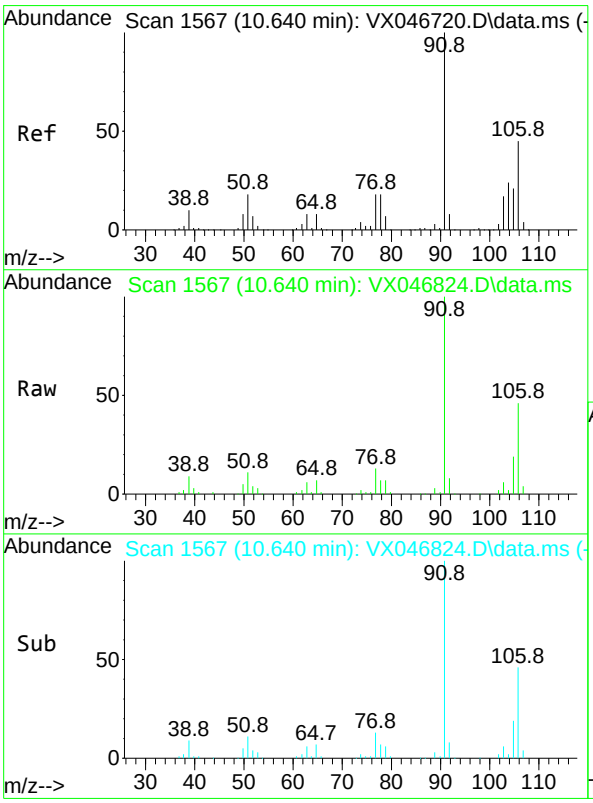
#68
m/p-Xylenes
Concen: 34.854 ug/l
RT: 10.299 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Tgt Ion:106 Resp: 92564

Ion	Ratio	Lower	Upper
106	100		
91	208.1	164.8	247.2

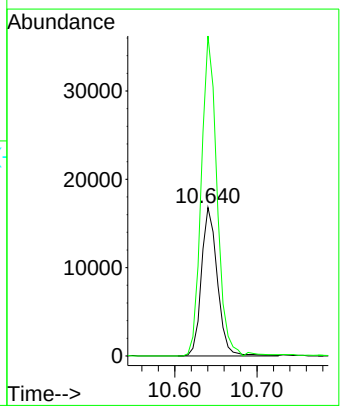


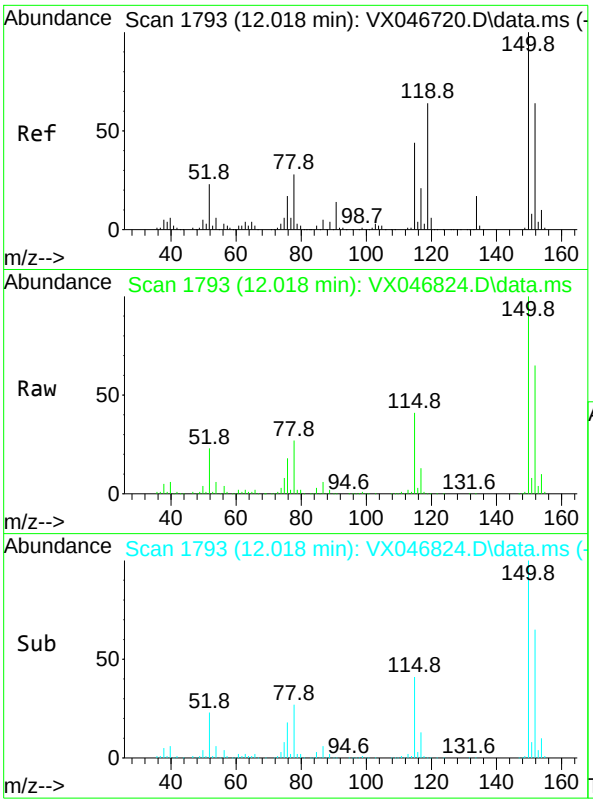


#69
o-Xylene
Concen: 9.076 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion:106 Resp: 22590

Ion	Ratio	Lower	Upper
106	100		
91	211.3	111.3	333.9



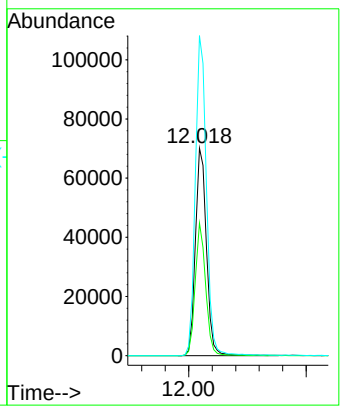


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Tgt Ion:152 Resp: 91592

Ion	Ratio	Lower	Upper
152	100		
115	60.6	43.2	129.6
150	154.9	0.0	346.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Time: Jun 24 04:07:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

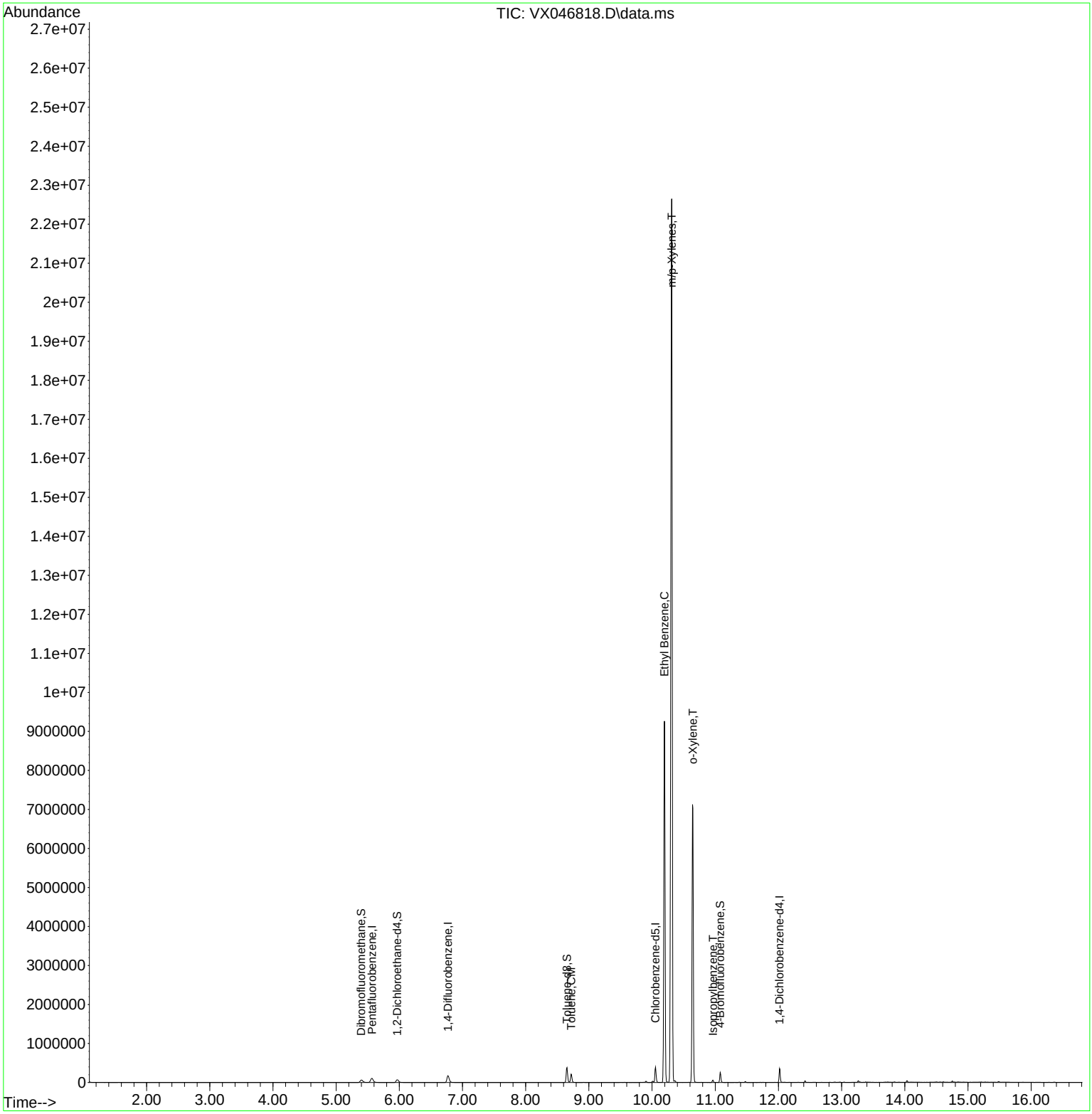
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	111553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	195304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	75849	49.158	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.320%		
35) Dibromofluoromethane	5.397	113	61849	47.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	8.653	98	231547	49.875	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.740%		
62) 4-Bromofluorobenzene	11.079	95	69498	40.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	80.320%		
Target Compounds						Qvalue
52) Toluene	8.720	92	84079	24.568	ug/l	100
67) Ethyl Benzene	10.195	91	5327342	779.902	ug/l	96
68) m/p-Xylenes	10.311	106	6022463	2366.194	ug/l	90
69) o-Xylene	10.646	106	1591863	667.362	ug/l	96
73) Isopropylbenzene	10.963	105	33749	6.189	ug/l	100

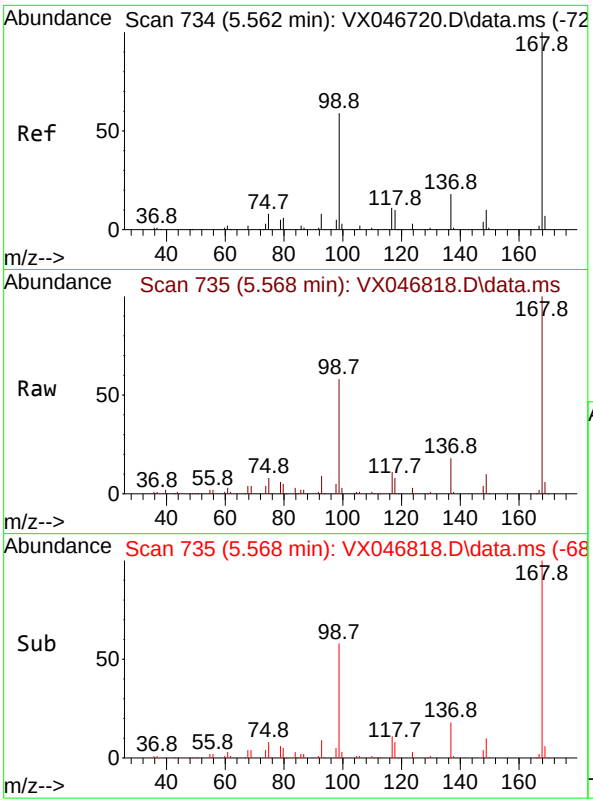
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Time: Jun 24 04:07:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



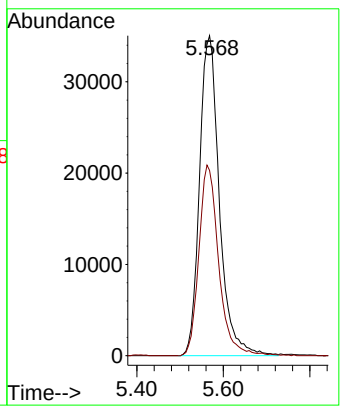


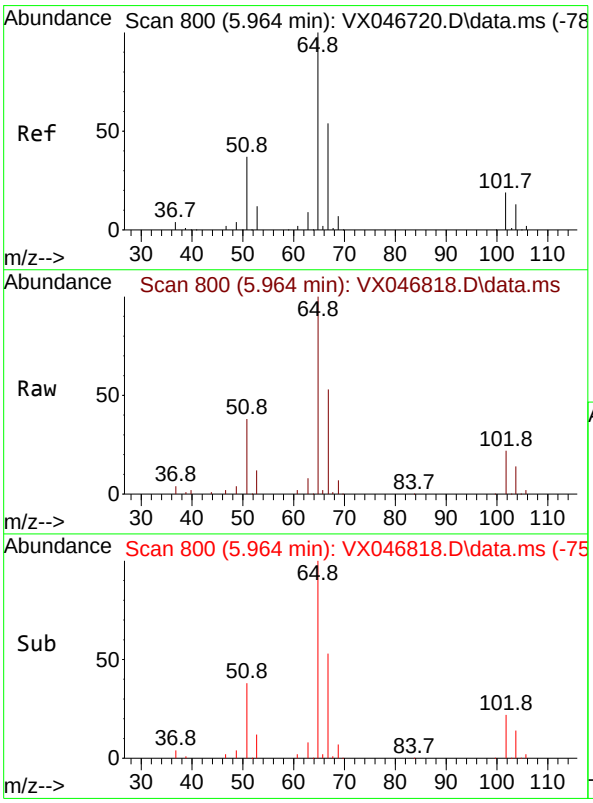
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion:168 Resp: 111553

Ion	Ratio	Lower	Upper
168	100		
99	57.9	48.5	72.7

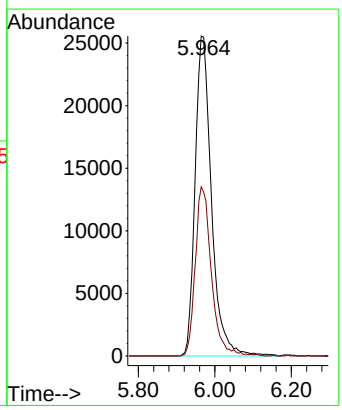


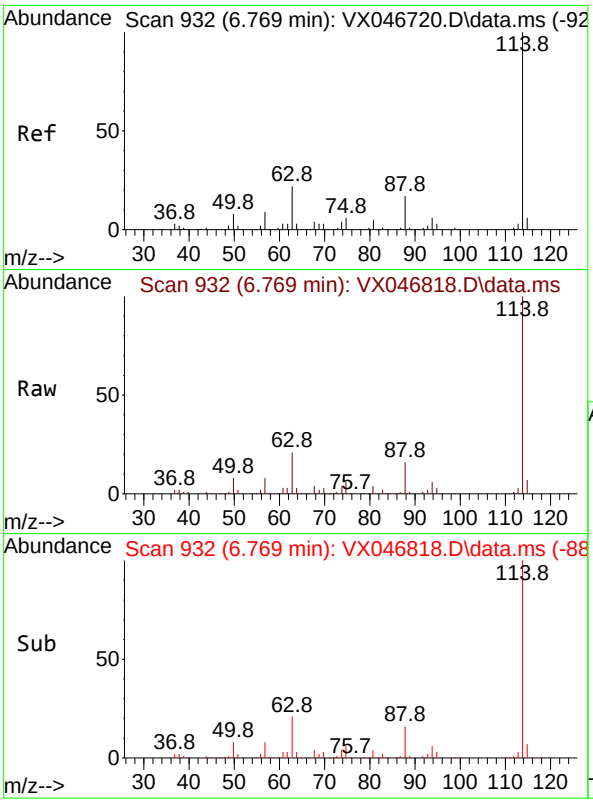


#33
1,2-Dichloroethane-d4
Concen: 49.158 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 65 Resp: 75849

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.4



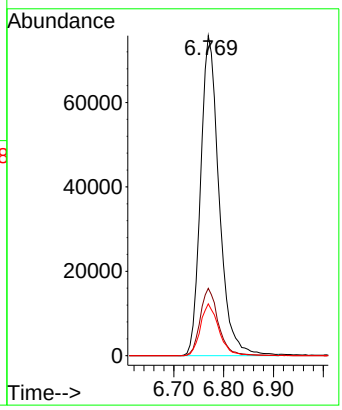


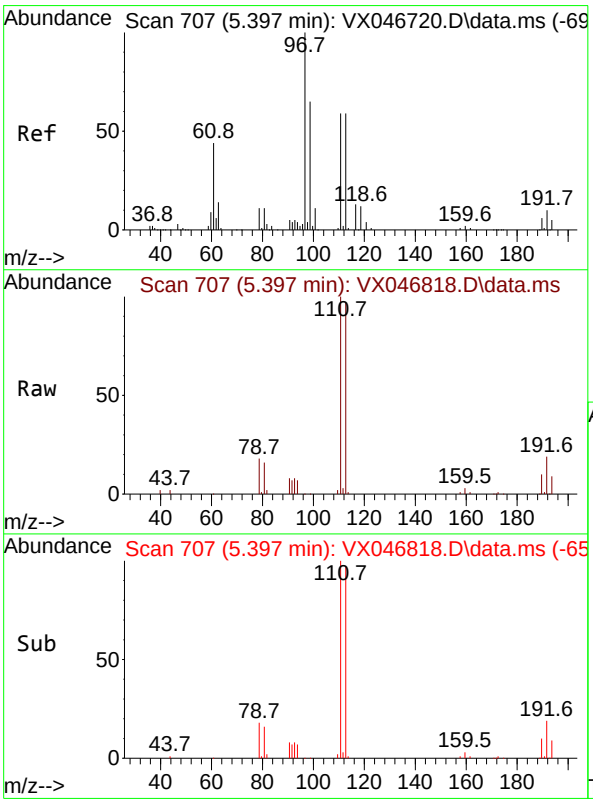
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion:114 Resp: 195304

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	44.2
88	16.2	0.0	33.2

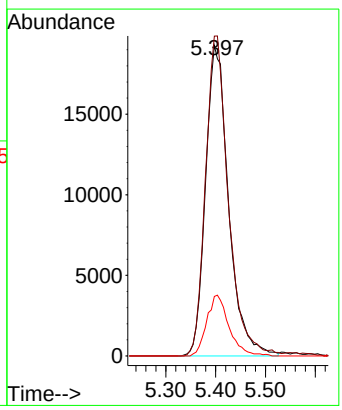




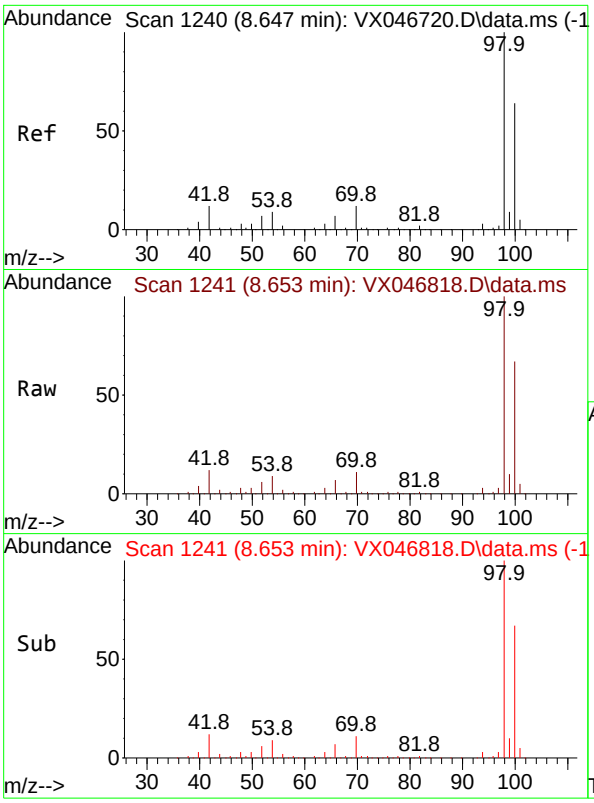
#35
Dibromofluoromethane
Concen: 47.864 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion:113 Resp: 61849

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	19.0	15.3	22.9



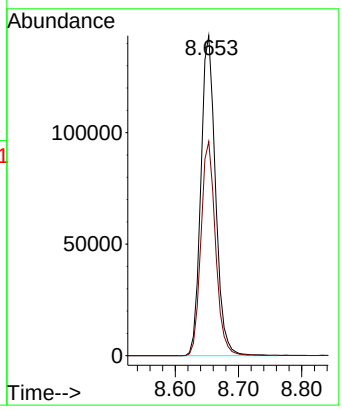
Instrument :
MSVOA_X
ClientSampleId :
BBX42025

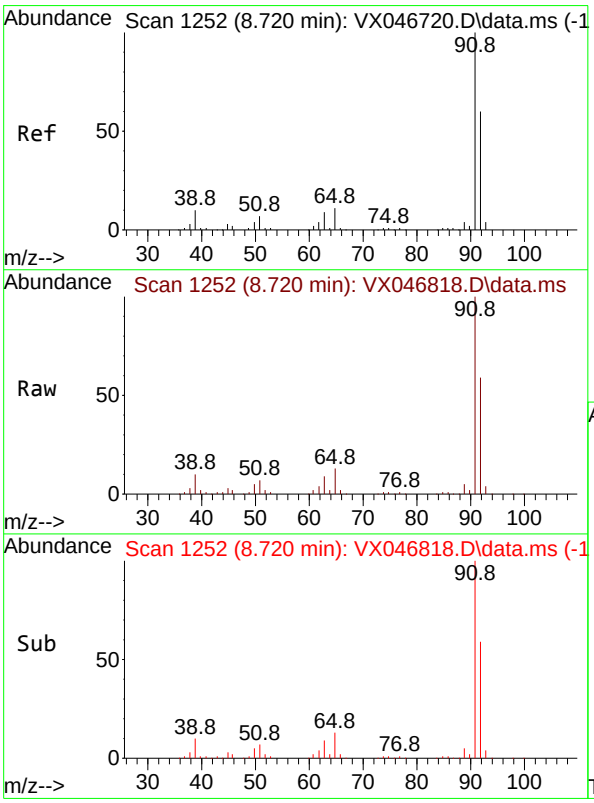


#50
Toluene-d8
Concen: 49.875 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 98 Resp: 231547

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.0	79.4

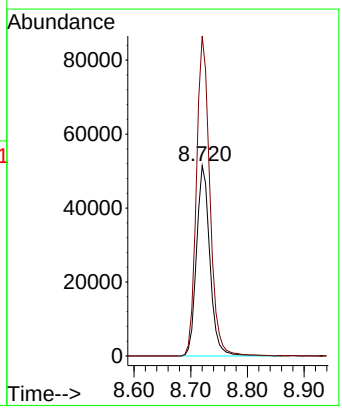


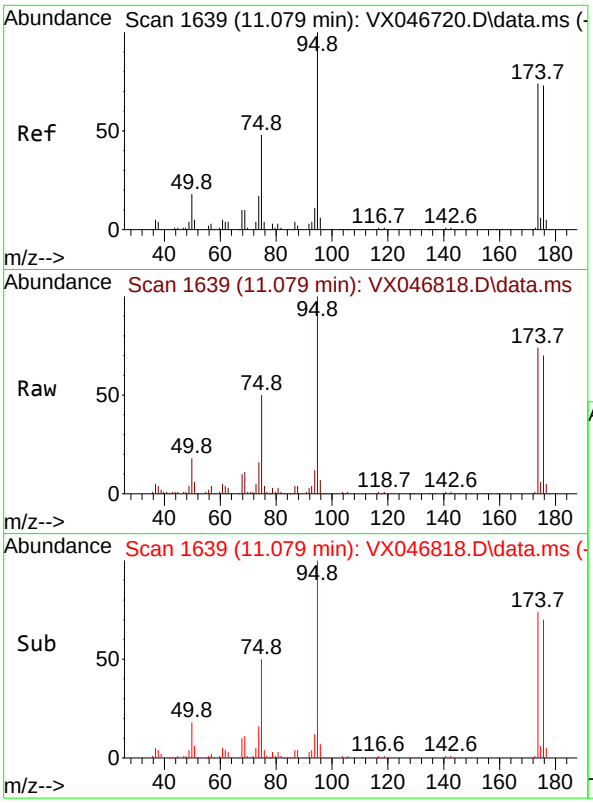


#52
Toluene
Concen: 24.568 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 92 Resp: 84079

Ion	Ratio	Lower	Upper
92	100		
91	169.0	134.8	202.2



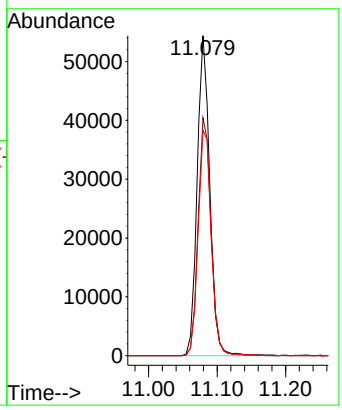


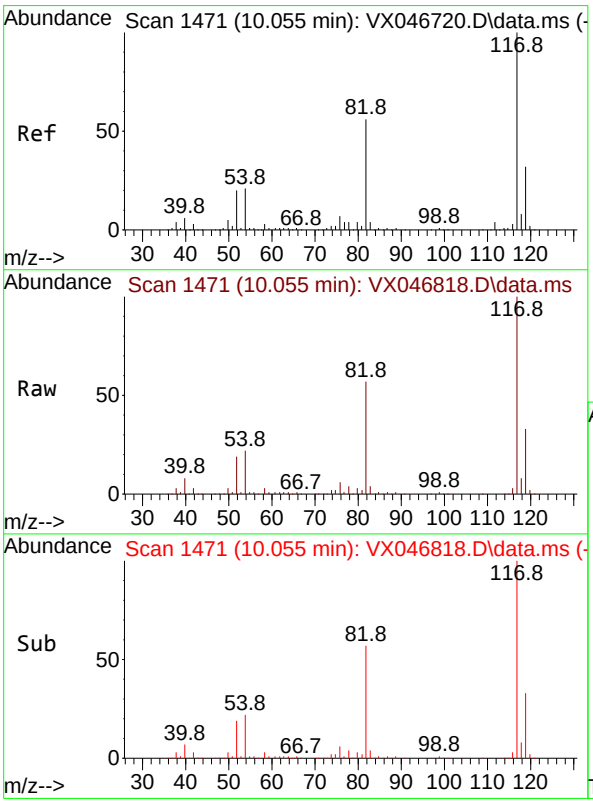
#62
4-Bromofluorobenzene
Concen: 40.159 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion: 95 Resp: 69498

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	150.4
176	73.3	0.0	145.0

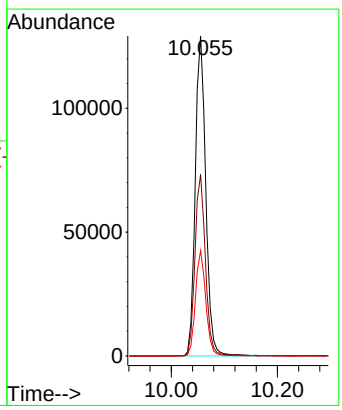




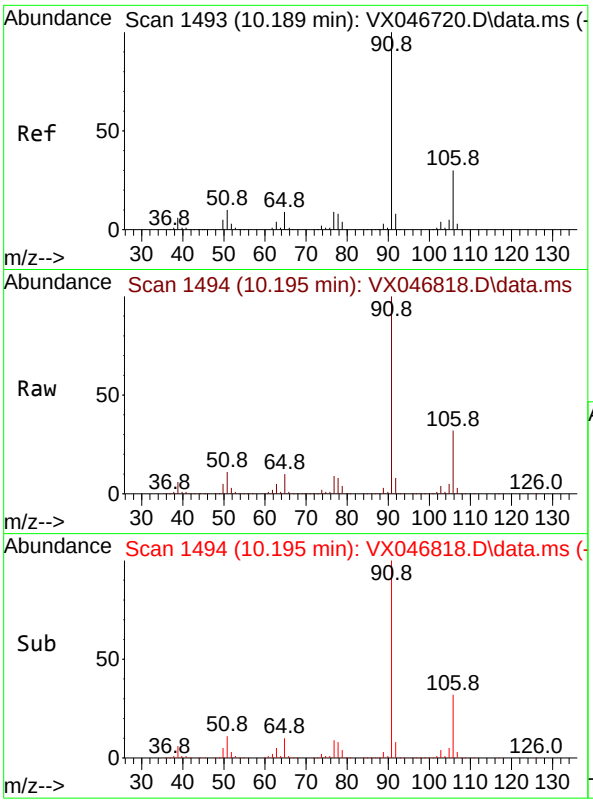
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion:117 Resp: 177101

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	32.9	25.8	38.8



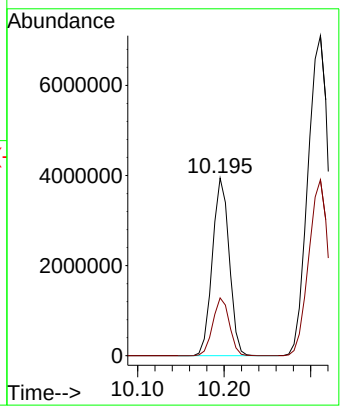
Instrument :
MSVOA_X
ClientSampleId :
BBX42025

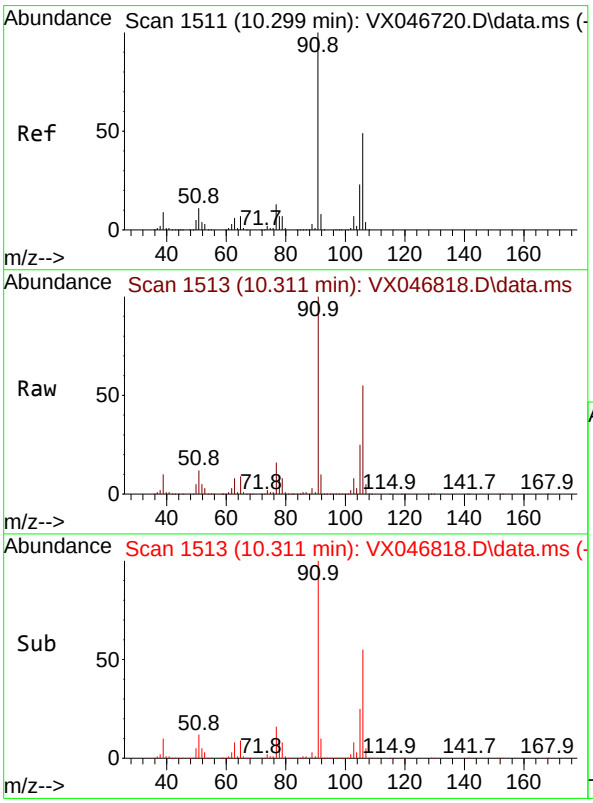


#67
Ethyl Benzene
Concen: 779.902 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 91 Resp: 5327342

Ion	Ratio	Lower	Upper
91	100		
106	32.5	24.2	36.2

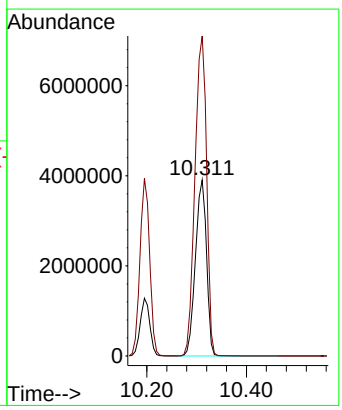


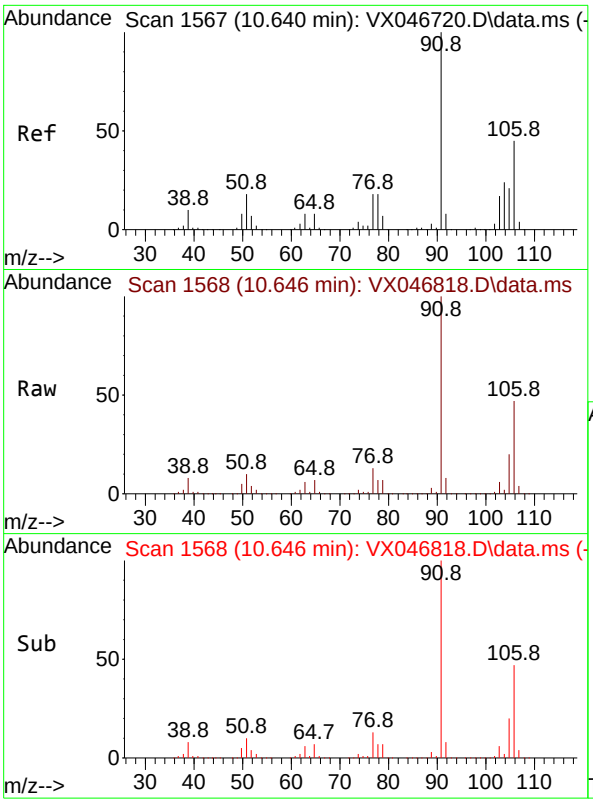


#68
m/p-Xylenes
Concen: 2366.194 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion:106 Resp: 6022463

Ion	Ratio	Lower	Upper
106	100		
91	191.1	164.8	247.2



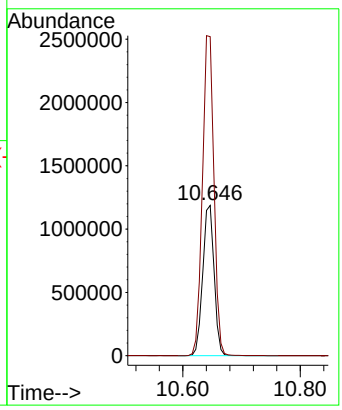


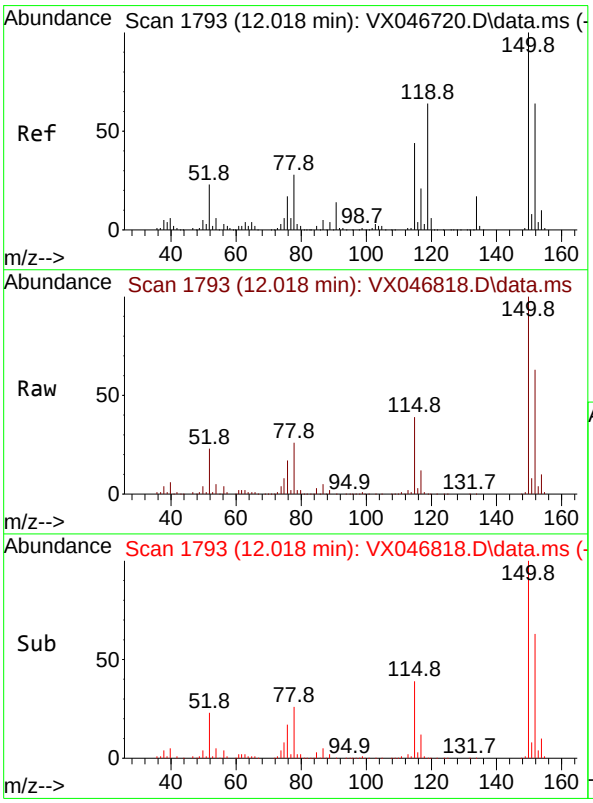
#69
o-Xylene
Concen: 667.362 ug/l
RT: 10.646 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion:106 Resp: 1591863

Ion	Ratio	Lower	Upper
106	100		
91	216.1	111.3	333.9

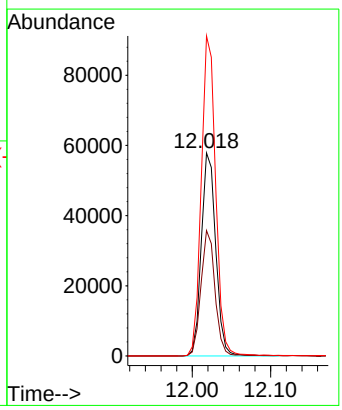


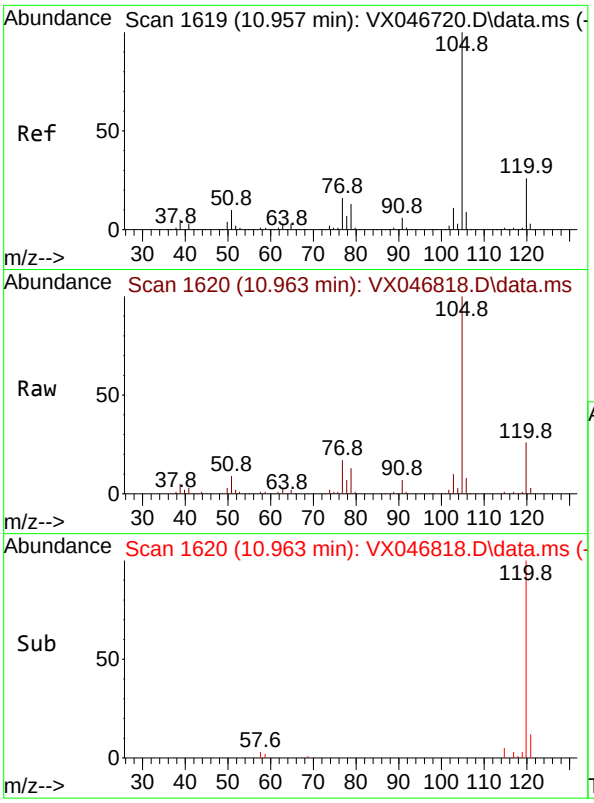


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion:152 Resp: 74038

Ion	Ratio	Lower	Upper
152	100		
115	60.6	43.2	129.6
150	157.4	0.0	346.8



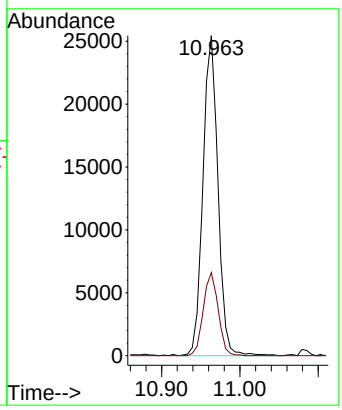


#73
Isopropylbenzene
Concen: 6.189 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Tgt Ion:105 Resp: 33749

Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.0	39.0



Sample Results: **VX046818.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260

Signal : TIC: VX046818.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.769	923	932	953	rBV	175172	450262	1.28%	0.760%
2	8.653	1235	1241	1247	rBV	381636	611249	1.73%	1.032%
3	10.055	1466	1471	1482	rVB	392536	530874	1.51%	0.896%
4	10.195	1488	1494	1505	rBV	9260788	12317743	34.95%	20.798%
5	10.311	1505	1513	1518	rBV	22643798	35242034	100.00%	59.504%
6	10.640	1561	1567	1583	rVB	7125399	9621866	27.30%	16.246%
7	12.018	1788	1793	1800	rBV	356232	452784	1.28%	0.764%

Sum of corrected areas: 59226812

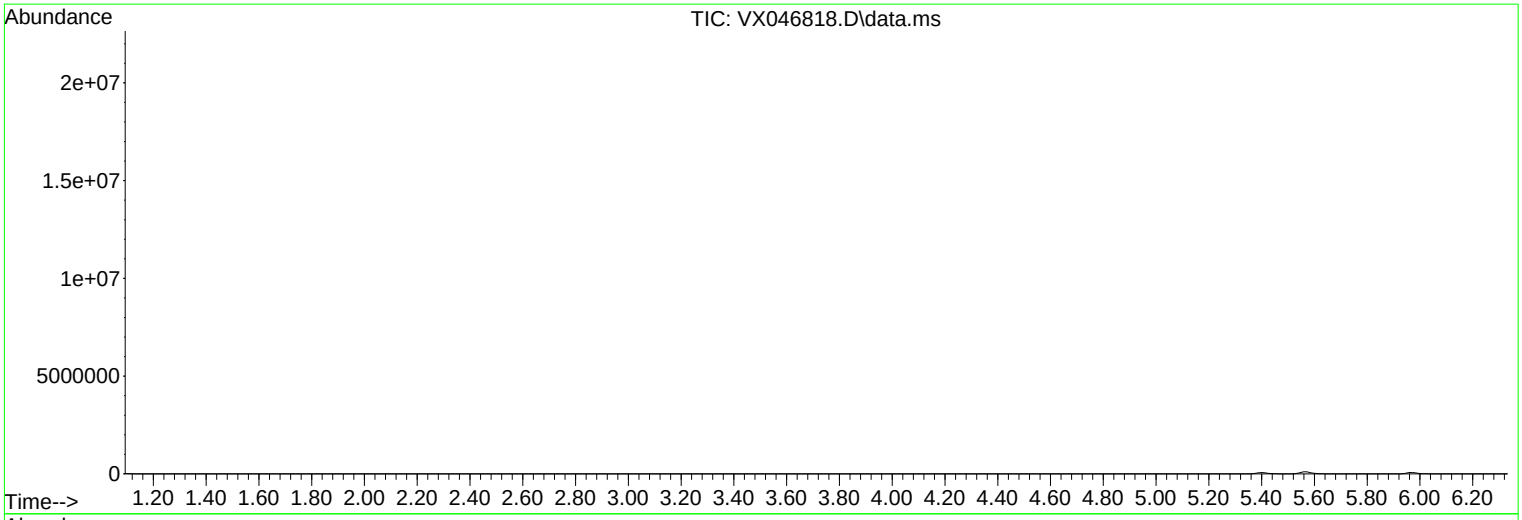
Sample Results: **VX046818.D**

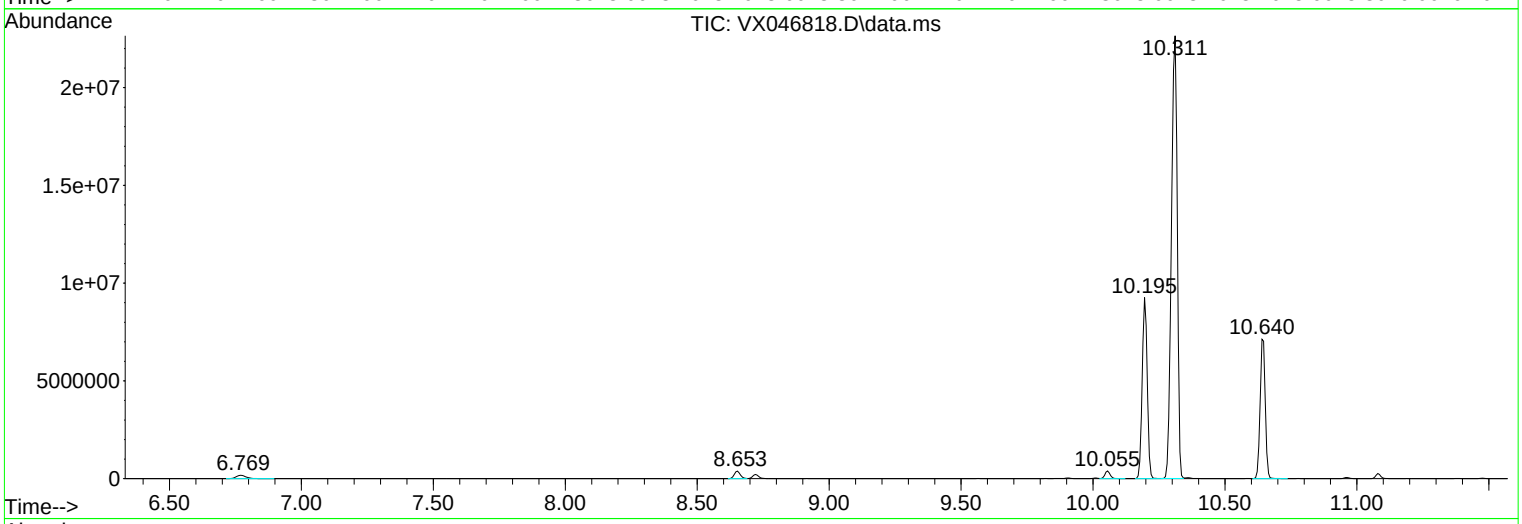
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

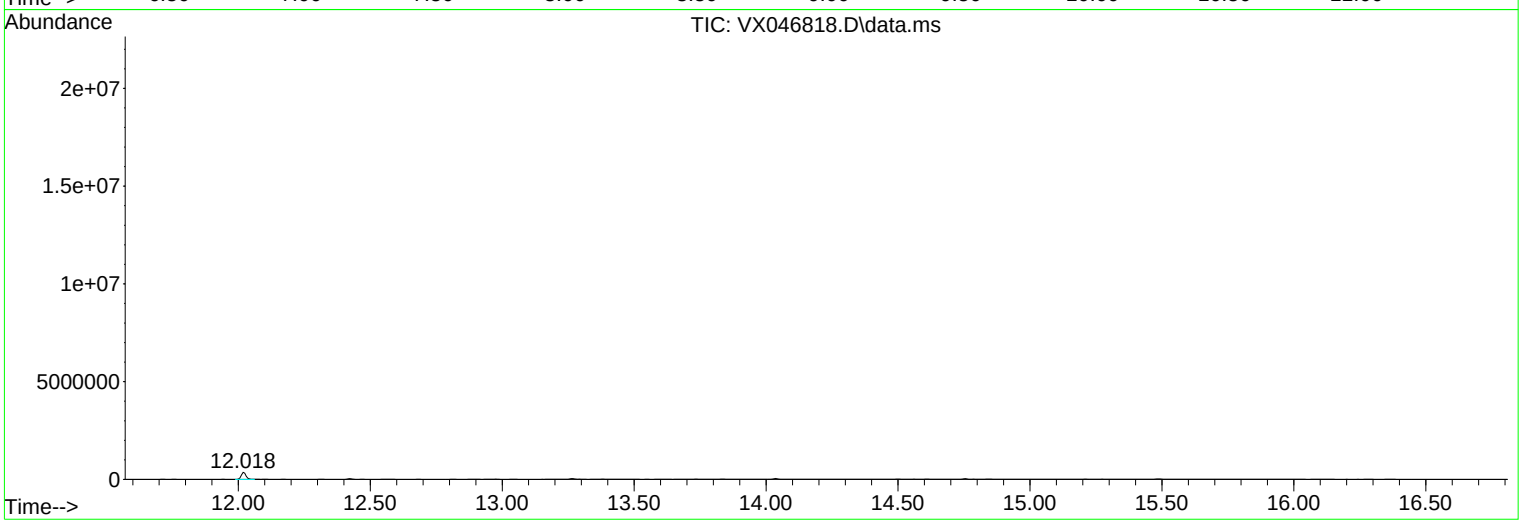
Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046825.D
Acq On : 23 Jun 2025 16:59
Operator : JC/MD
Sample : Q2371-05DL 1500X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Quant Time: Jun 24 04:10:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

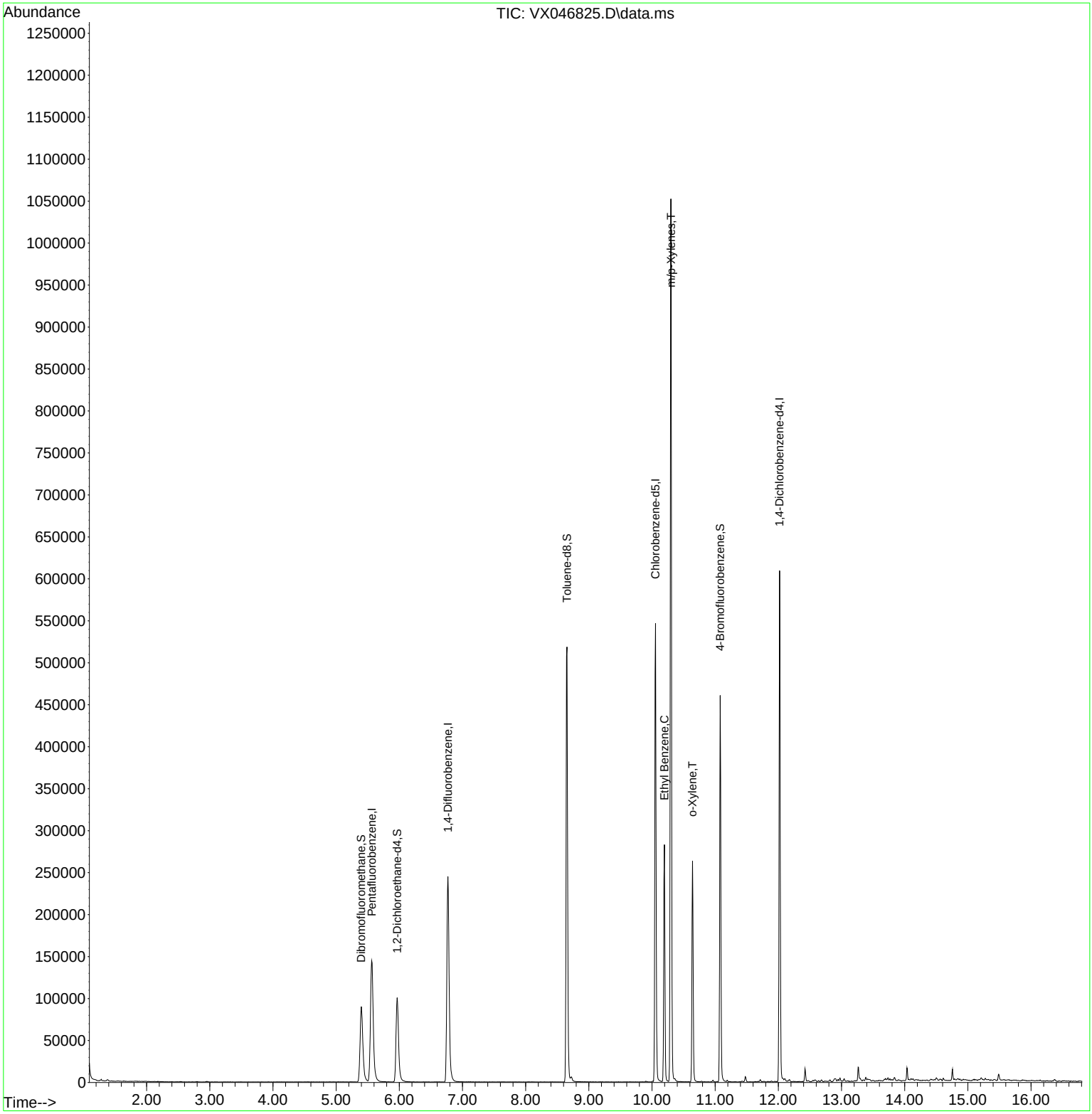
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	152903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	268363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	124245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102634	48.529	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.060%			
35) Dibromofluoromethane	5.397	113	85509	48.158	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.320%			
50) Toluene-d8	8.653	98	321612	50.415	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.840%			
62) 4-Bromofluorobenzene	11.079	95	122699	51.599	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.200%			
Target Compounds						Qvalue
67) Ethyl Benzene	10.195	91	160219	16.862	ug/l	100
68) m/p-Xylenes	10.299	106	235578	66.539	ug/l	99
69) o-Xylene	10.640	106	57218	17.245	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

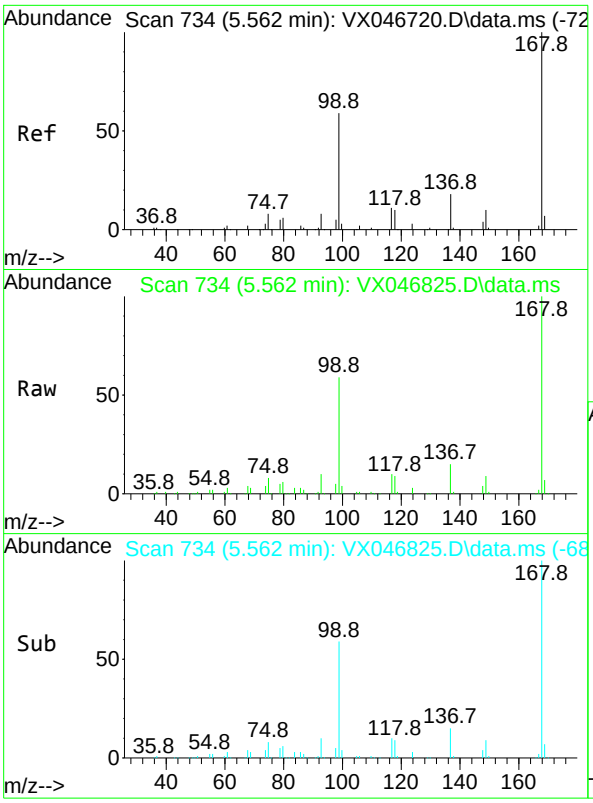
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046825.D
Acq On : 23 Jun 2025 16:59
Operator : JC/MD
Sample : Q2371-05DL 1500X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Quant Time: Jun 24 04:10:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



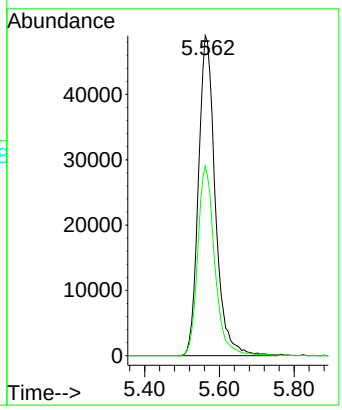
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

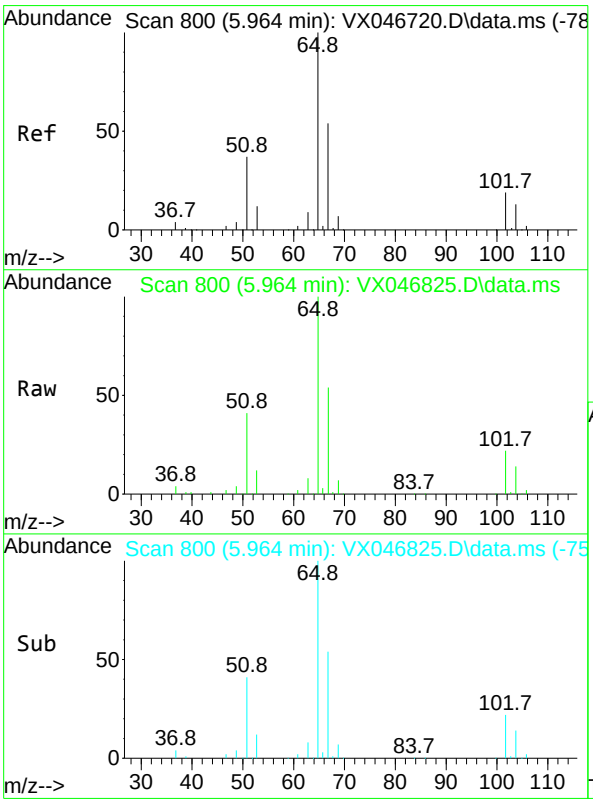


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion:168 Resp: 152903

Ion	Ratio	Lower	Upper
168	100		
99	59.2	48.5	72.7

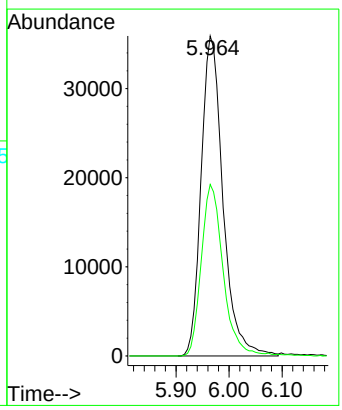


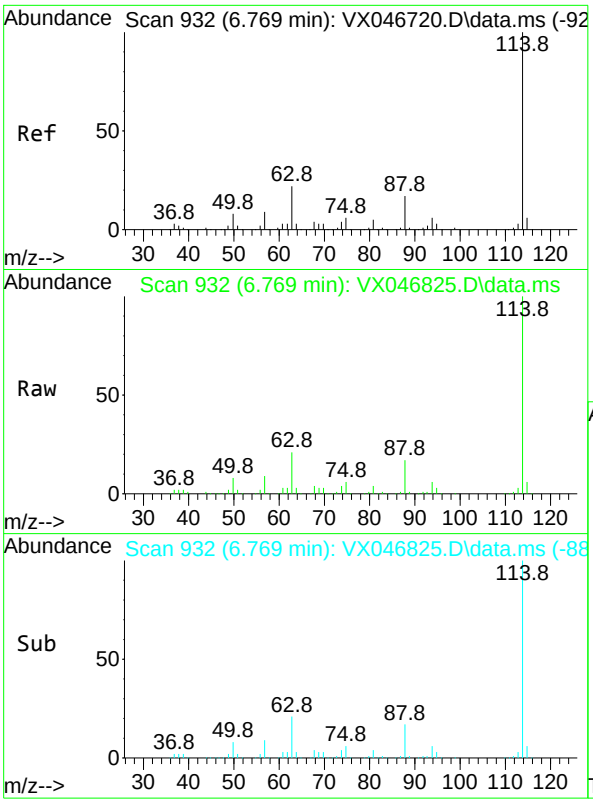


#33
1,2-Dichloroethane-d4
Concen: 48.529 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 65 Resp: 102634

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.4



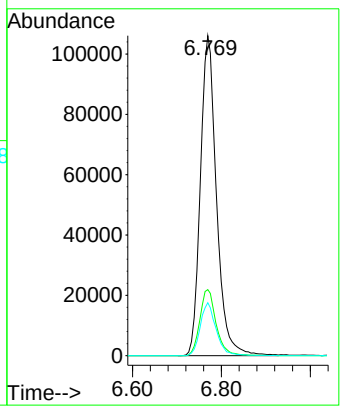


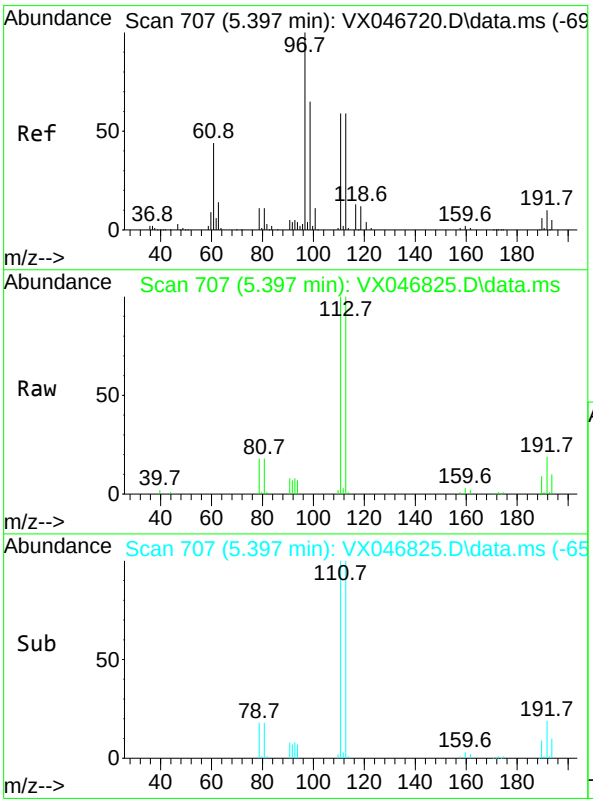
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion:114 Resp: 268363

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	44.2
88	16.5	0.0	33.2

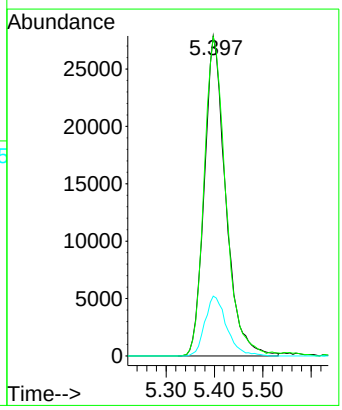




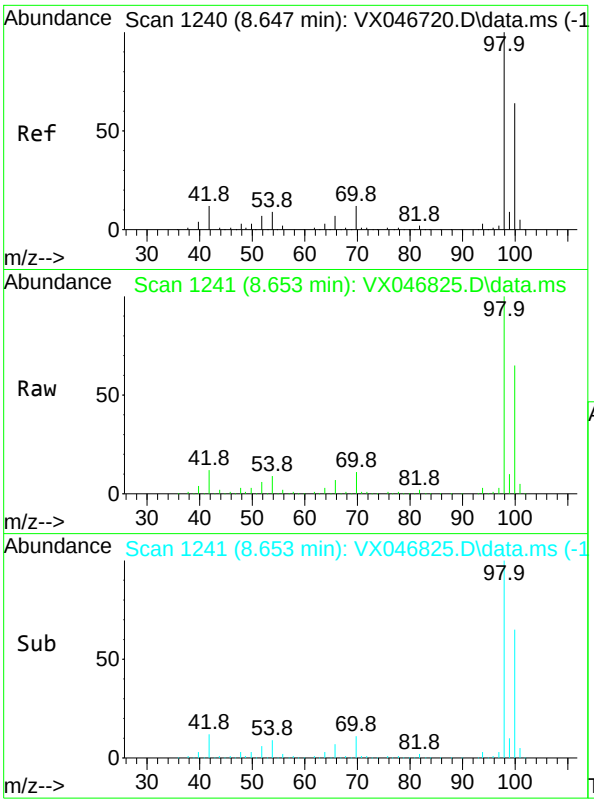
#35
Dibromofluoromethane
Concen: 48.158 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion:113 Resp: 85509

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.0	123.0
192	19.1	15.3	22.9



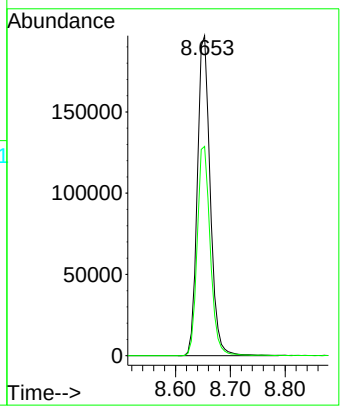
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

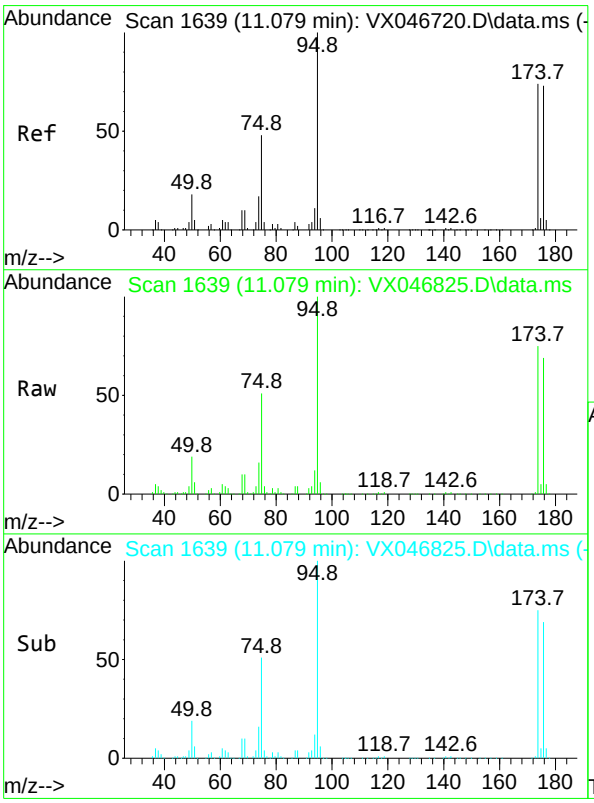


#50
Toluene-d8
Concen: 50.415 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 98 Resp: 321612

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.4

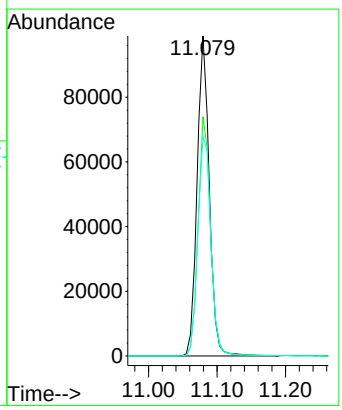


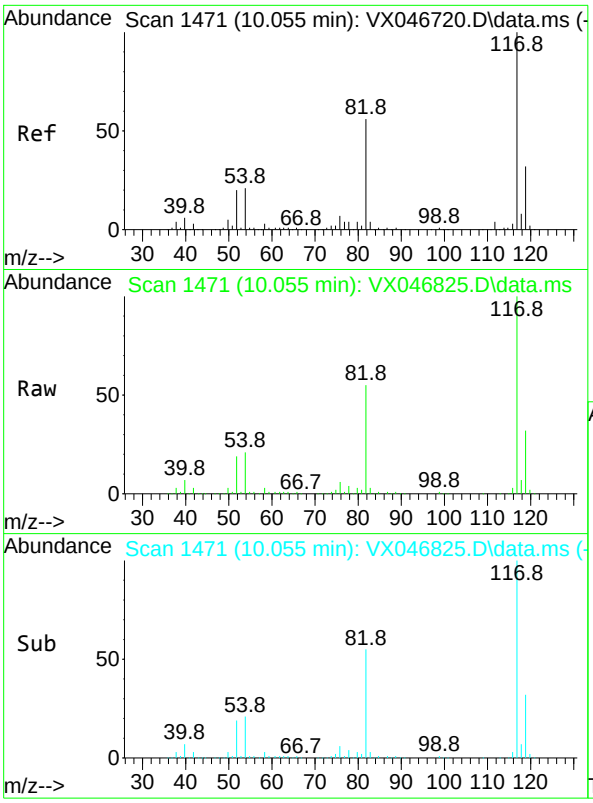


#62
4-Bromofluorobenzene
Concen: 51.599 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 95 Resp: 122699

Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.4
176	73.9	0.0	145.0



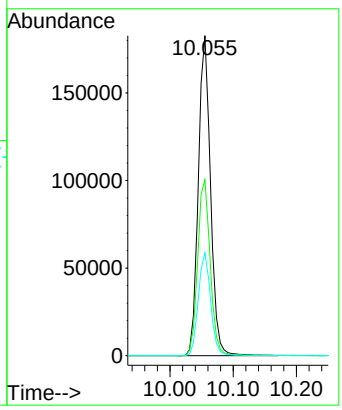


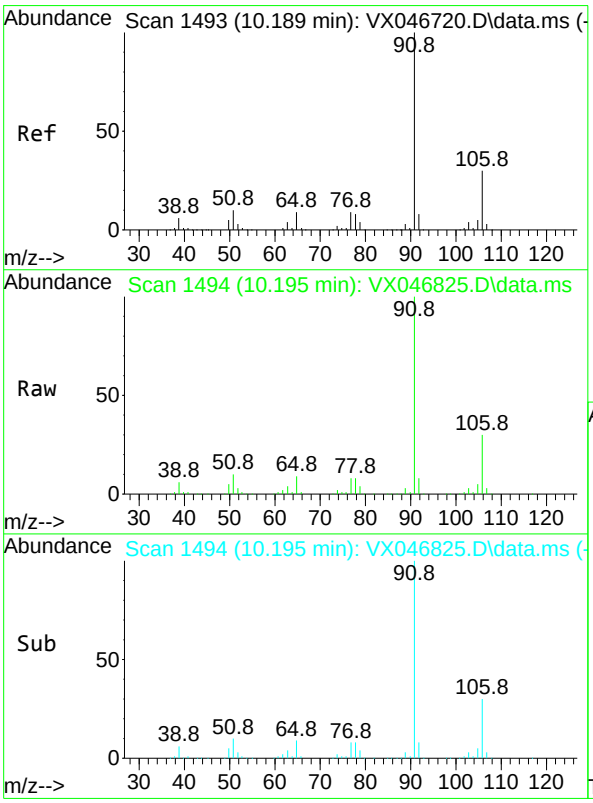
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion:117 Resp: 246351

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	66.8
119	32.2	25.8	38.8

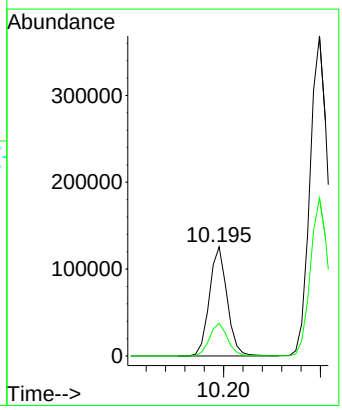


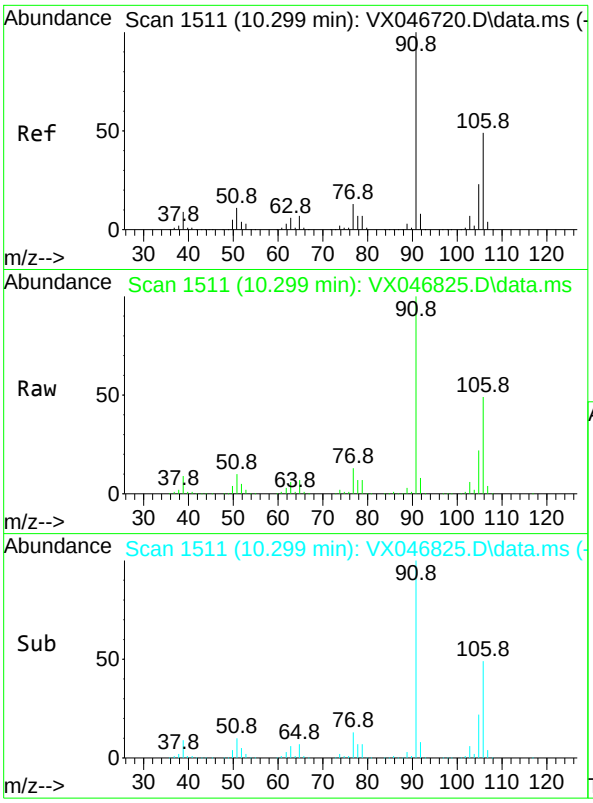


#67
Ethyl Benzene
Concen: 16.862 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 91 Resp: 160219

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.2



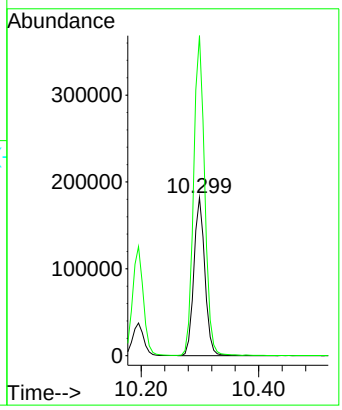


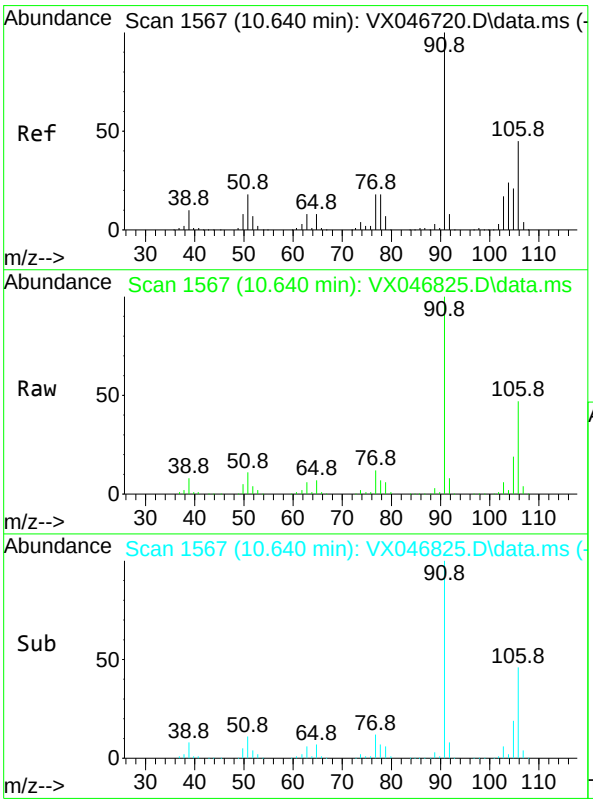
#68
m/p-Xylenes
Concen: 66.539 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion:106 Resp: 235578

Ion	Ratio	Lower	Upper
106	100		
91	204.4	164.8	247.2

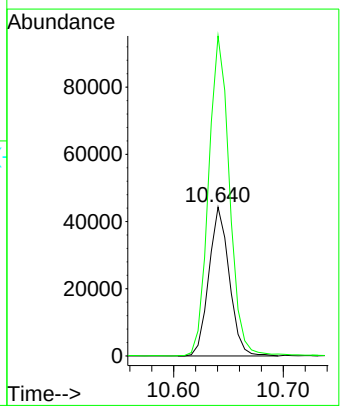


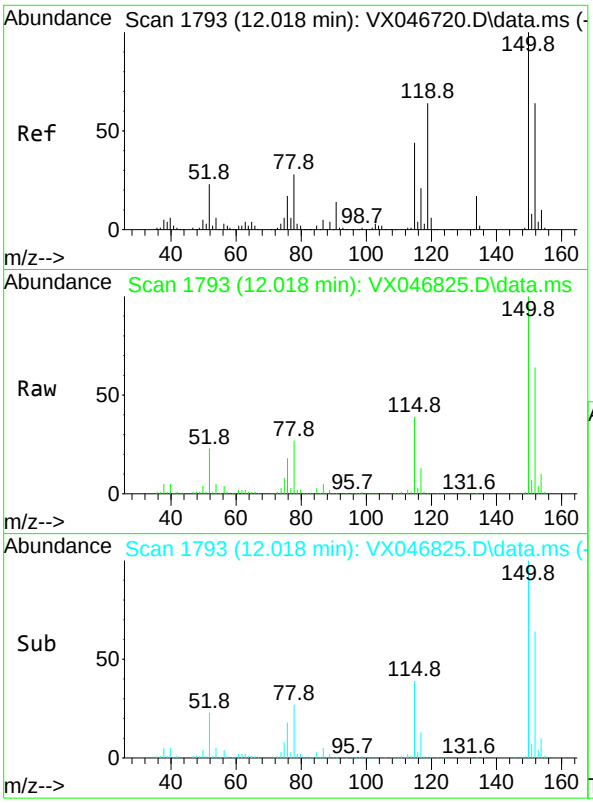


#69
o-Xylene
Concen: 17.245 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion:106 Resp: 57218

Ion	Ratio	Lower	Upper
106	100		
91	221.8	111.3	333.9



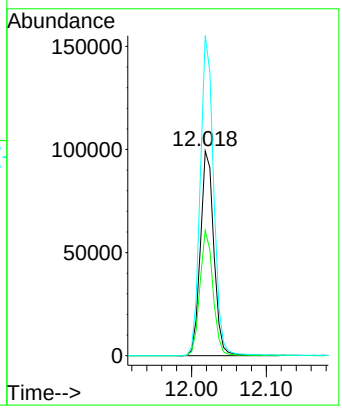


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Tgt Ion:152 Resp: 124245

Ion	Ratio	Lower	Upper
152	100		
115	59.5	43.2	129.6
150	155.9	0.0	346.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Time: Jun 27 01:28:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

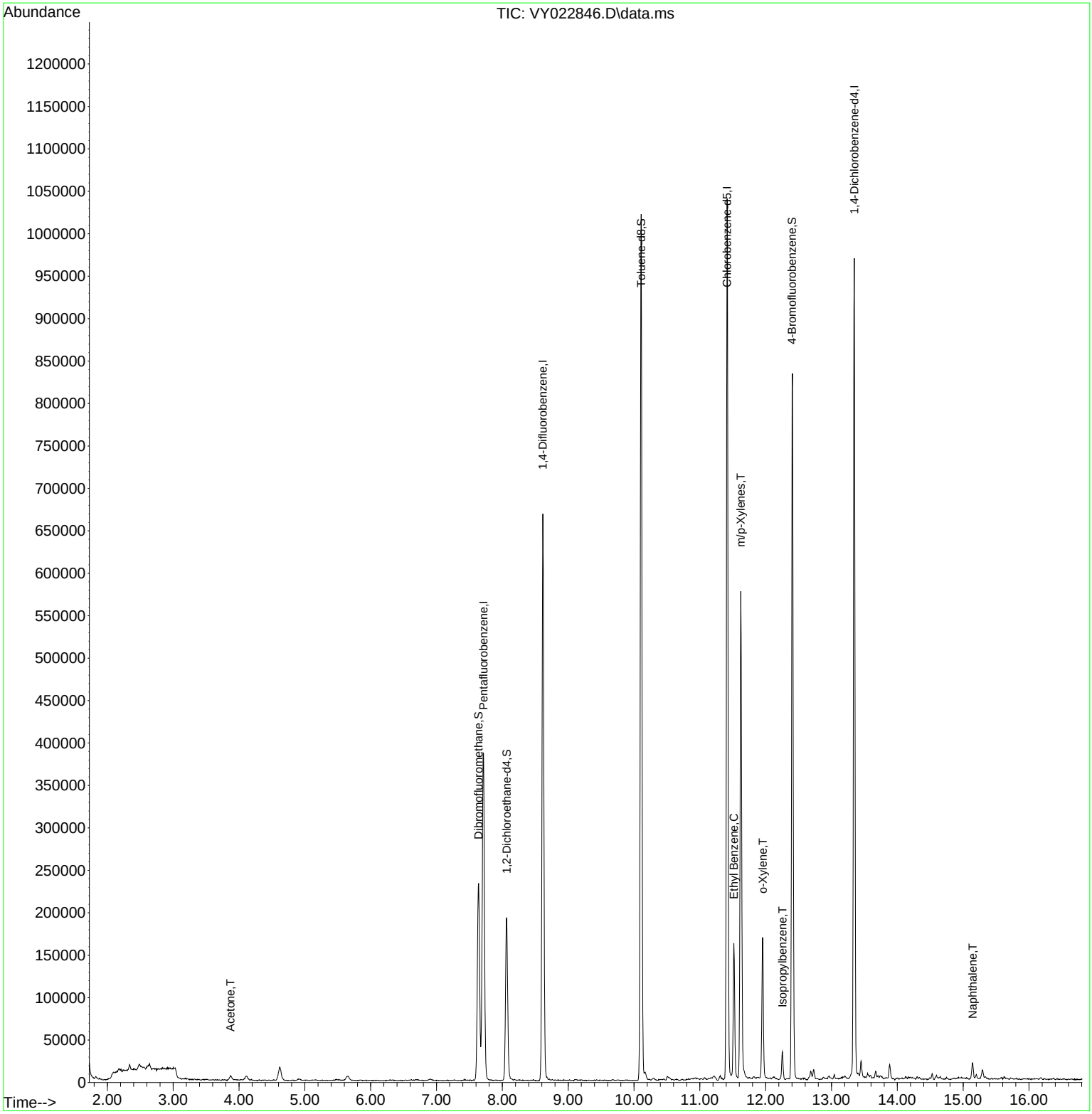
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	299952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	528624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	237063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	152936	45.683	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 91.360%			
35) Dibromofluoromethane	7.640	113	166264	49.400	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.800%			
50) Toluene-d8	10.109	98	659006	49.344	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.680%			
62) 4-Bromofluorobenzene	12.402	95	234092	54.525	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.040%			
Target Compounds						Qvalue
16) Acetone	3.873	43	8951	14.146	ug/l	99
67) Ethyl Benzene	11.518	91	105490	5.169	ug/l	98
68) m/p-Xylenes	11.621	106	162120	20.550	ug/l	98
69) o-Xylene	11.956	106	42090	5.662	ug/l	93
73) Isopropylbenzene	12.255	105	18605	1.061	ug/l	99
95) Naphthalene	15.145	128	15371	2.140	ug/l	98

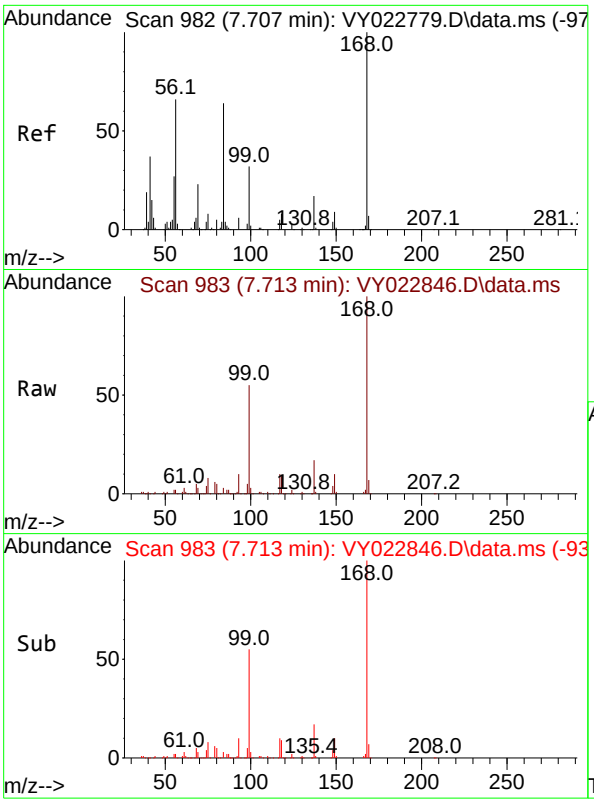
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Time: Jun 27 01:28:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



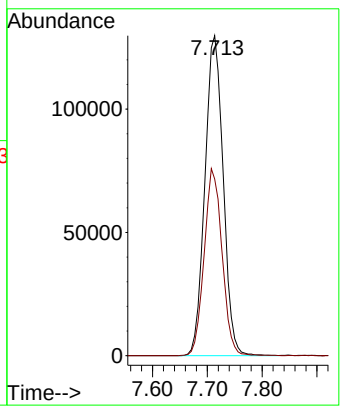


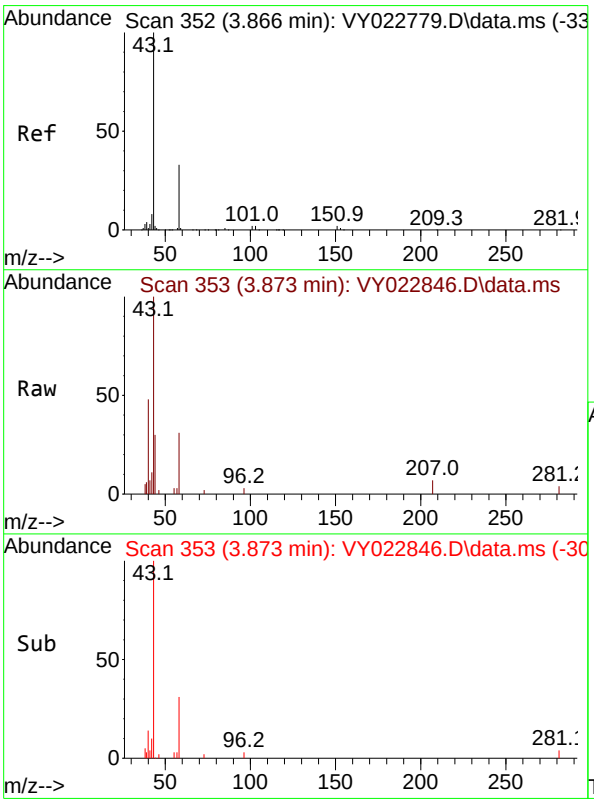
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion:168 Resp: 299952

Ion	Ratio	Lower	Upper
168	100		
99	55.2	44.3	66.5

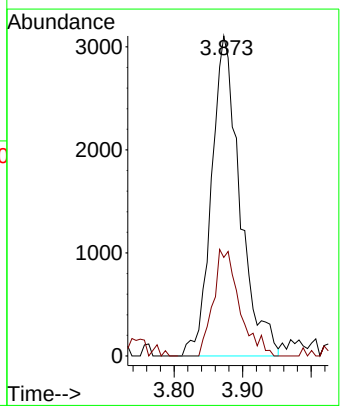




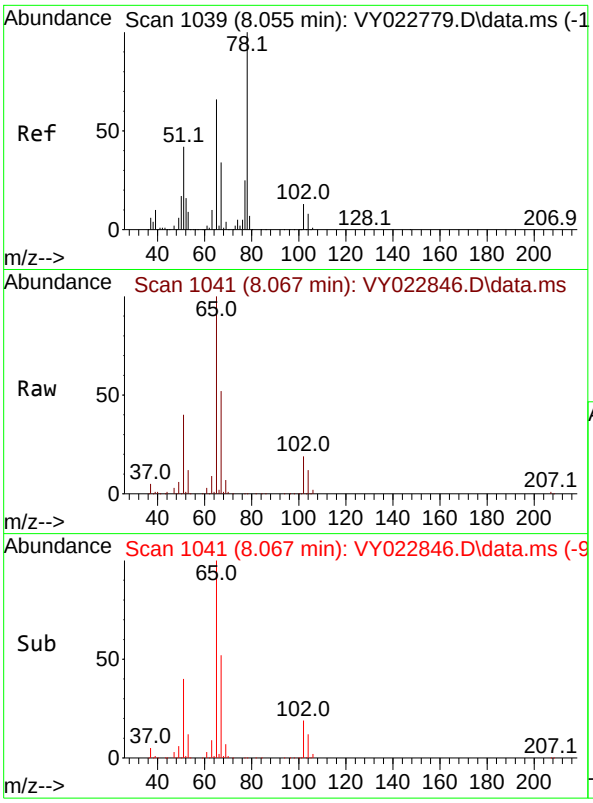
#16
Acetone
Concen: 14.146 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion: 43 Resp: 8951

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0



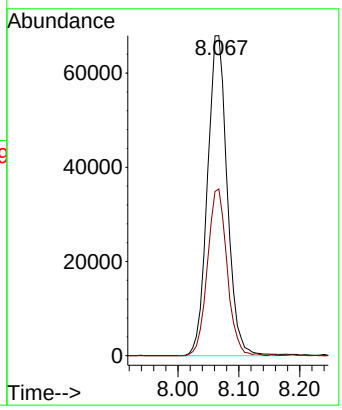
Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

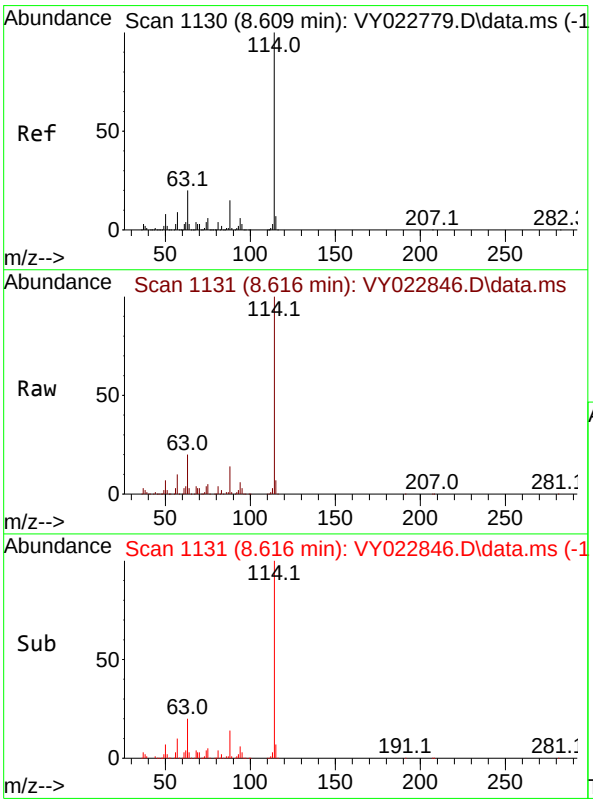


#33
1,2-Dichloroethane-d4
Concen: 45.683 ug/l
RT: 8.067 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion: 65 Resp: 152936

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	103.4

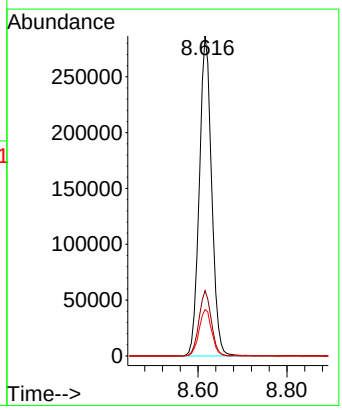


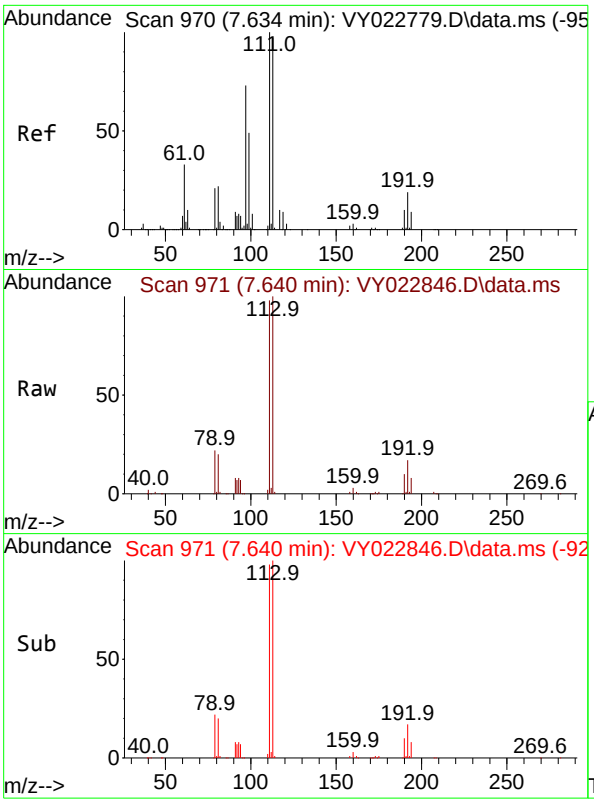


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:114 Resp: 553421

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	14.5	0.0	27.8



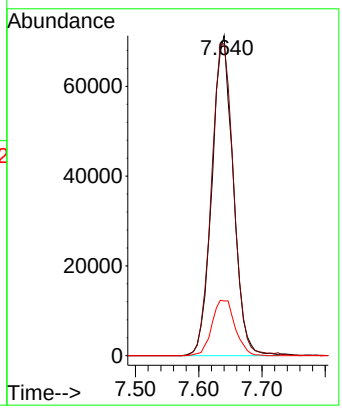


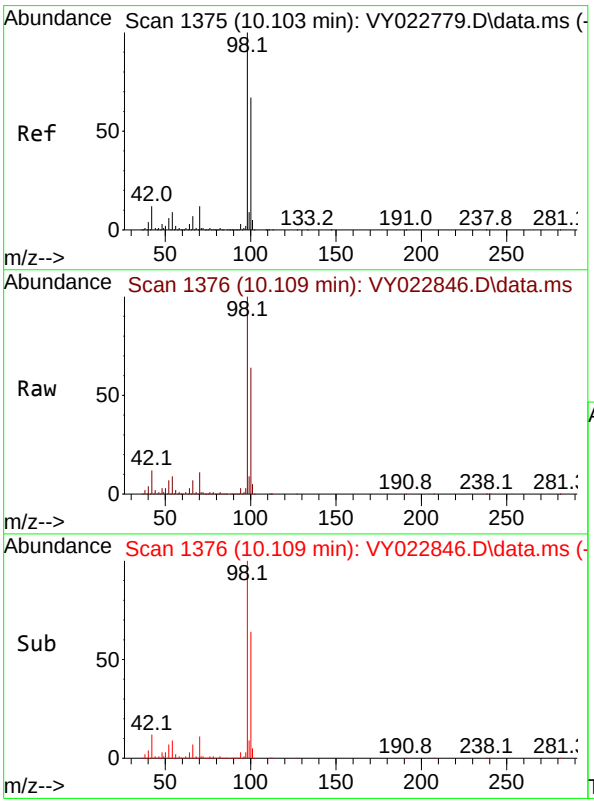
#35
Dibromofluoromethane
Concen: 49.400 ug/l
RT: 7.640 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion:113 Resp: 166264

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.1	121.7
192	18.9	14.2	21.2

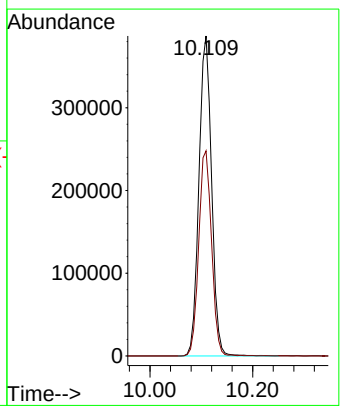


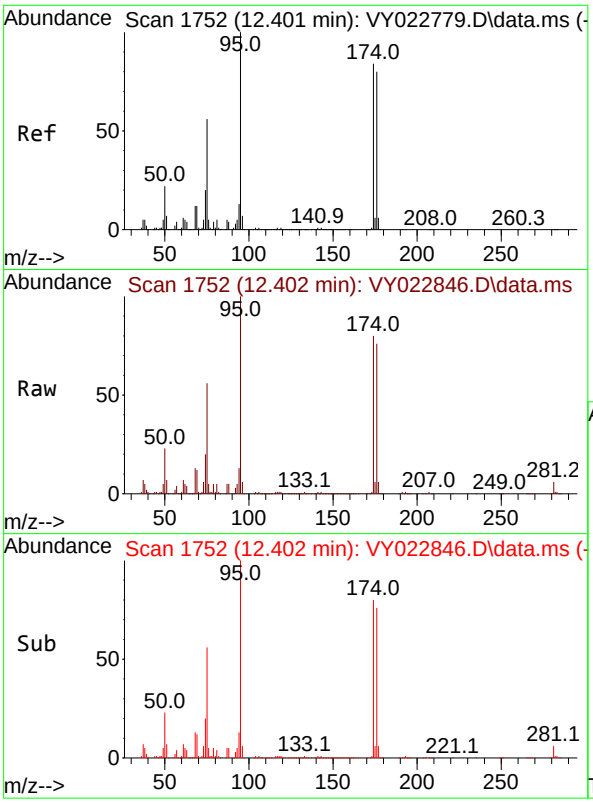


#50
Toluene-d8
Concen: 49.344 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion: 98 Resp: 659006

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.0



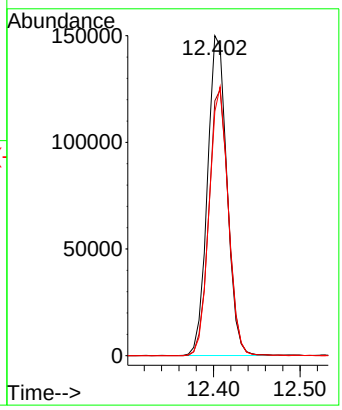


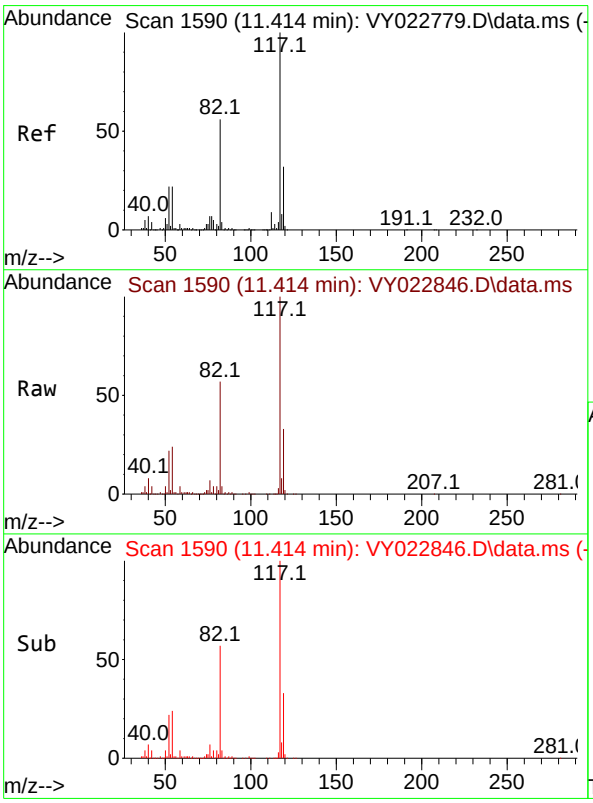
#62
4-Bromofluorobenzene
Concen: 54.525 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion: 95 Resp: 234092

Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	170.0
176	82.5	0.0	166.2

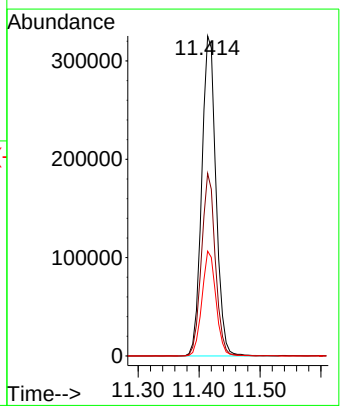


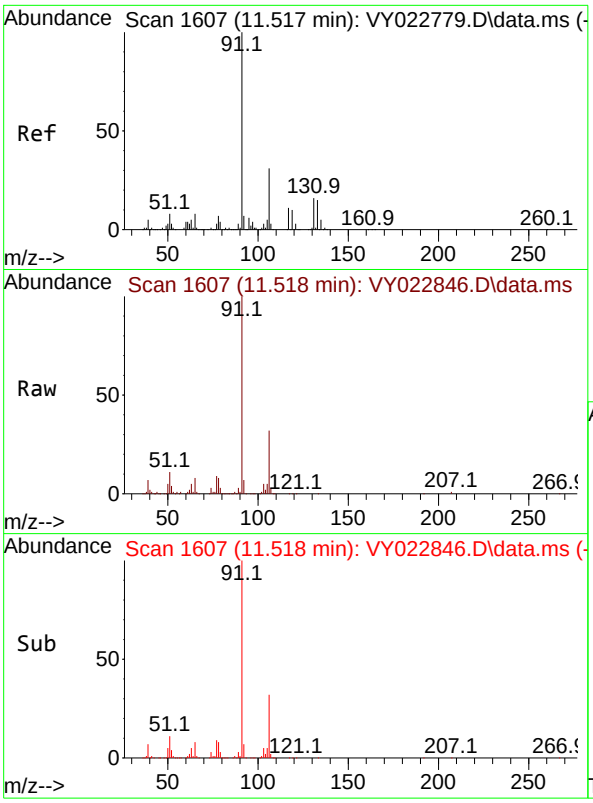


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:117 Resp: 528624

Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.6	66.8
119	32.8	25.4	38.0



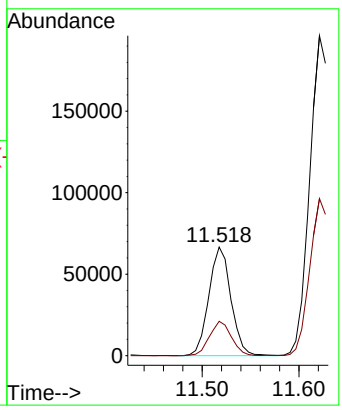


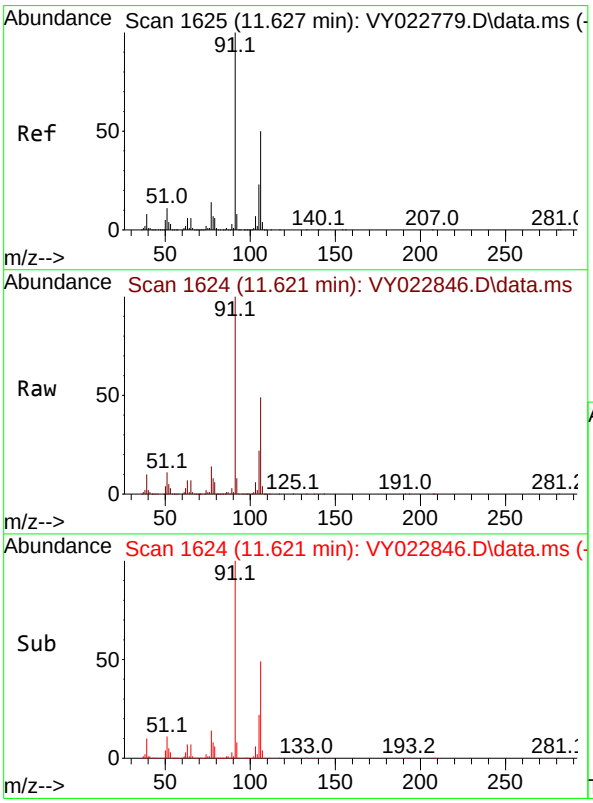
#67
Ethyl Benzene
Concen: 5.169 ug/l
RT: 11.518 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion: 91 Resp: 105490

Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.2	36.4

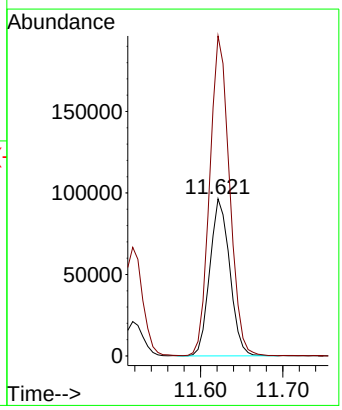


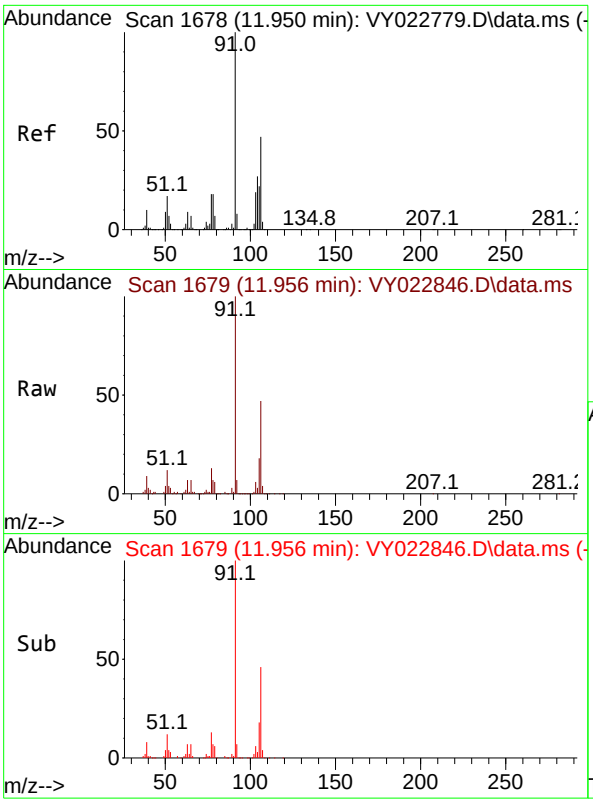


#68
m/p-Xylenes
Concen: 20.550 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:106 Resp: 162120

Ion	Ratio	Lower	Upper
106	100		
91	202.7	159.4	239.0



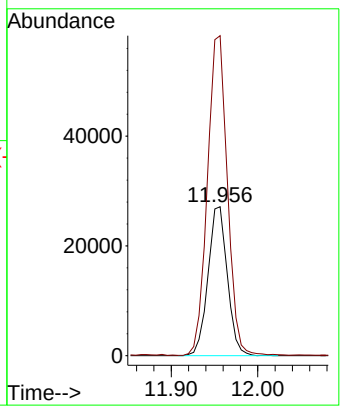


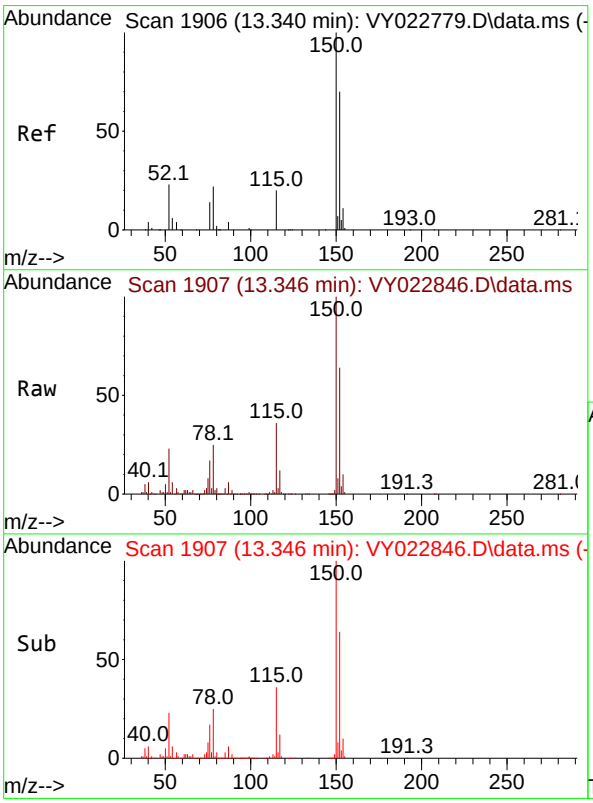
#69
o-Xylene
Concen: 5.662 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion:106 Resp: 42090

Ion	Ratio	Lower	Upper
106	100		
91	221.7	105.8	317.3

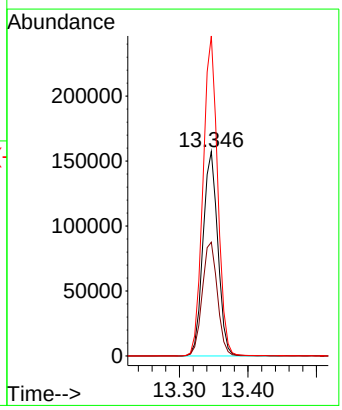




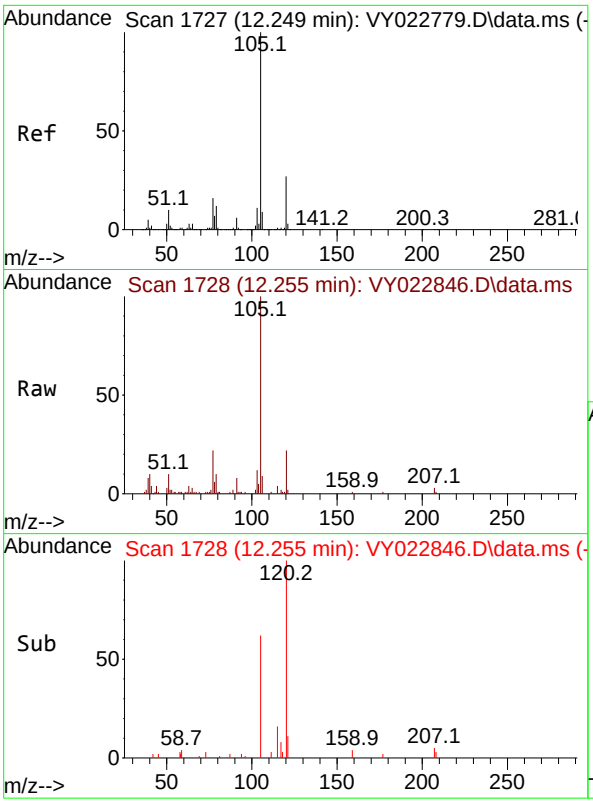
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:152 Resp: 237063

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.9	86.7
150	154.4	0.0	349.6



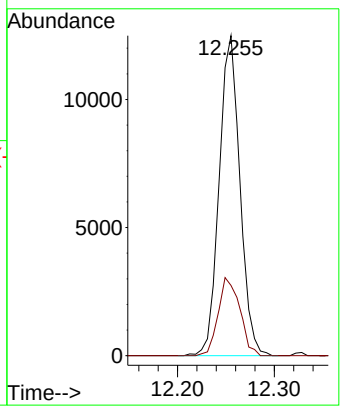
Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

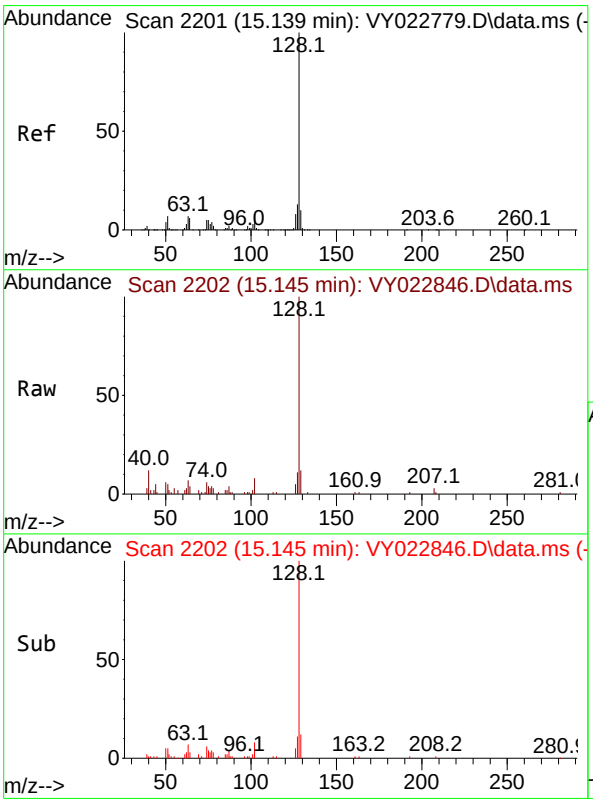


#73
Isopropylbenzene
Concen: 1.061 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:105 Resp: 18605

Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.0	38.9

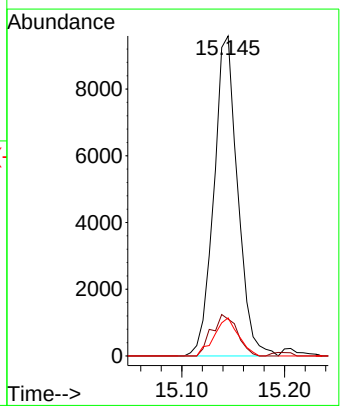




#95
Naphthalene
Concen: 2.140 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:128 Resp: 15371

Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	12.1	8.9	13.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022846.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	465	475	486	rBV3	15631	47557	2.70%	0.421%
2	7.640	959	971	976	rBV	232185	554313	31.43%	4.910%
3	7.707	976	982	995	rVB	384942	909578	51.57%	8.056%
4	8.067	1029	1041	1051	rBV	191312	435549	24.70%	3.858%
5	8.616	1122	1131	1145	rBV	667997	1306297	74.07%	11.570%
6	10.109	1368	1376	1383	rBV	1020223	1763700	100.00%	15.621%
7	11.414	1581	1590	1600	rVV	1037841	1675124	94.98%	14.837%
8	11.518	1601	1607	1617	rVV	160002	262317	14.87%	2.323%
9	11.621	1617	1624	1643	rVB	573755	992963	56.30%	8.795%
10	11.950	1671	1678	1687	rBV	165312	271062	15.37%	2.401%
11	12.255	1718	1728	1736	rBV	32787	53083	3.01%	0.470%
12	12.408	1746	1753	1763	rBV2	831034	1387022	78.64%	12.285%
13	12.682	1791	1798	1802	rBV6	10068	20631	1.17%	0.183%
14	13.346	1892	1907	1915	rBV	966667	1502759	85.20%	13.310%
15	13.450	1920	1924	1932	rVB	19682	32390	1.84%	0.287%
16	13.883	1990	1995	2001	rVB	16326	26595	1.51%	0.236%
17	15.139	2196	2201	2207	rBV	18539	30844	1.75%	0.273%
18	15.291	2221	2226	2231	rBV2	10051	18522	1.05%	0.164%

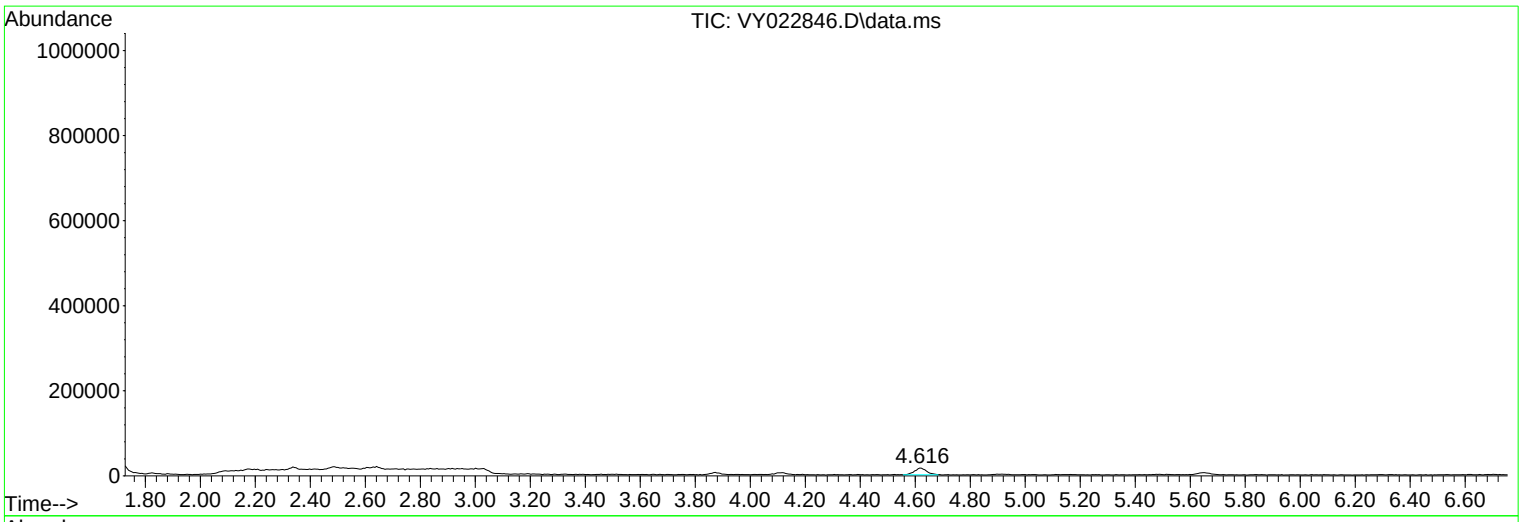
Sum of corrected areas: 11290306

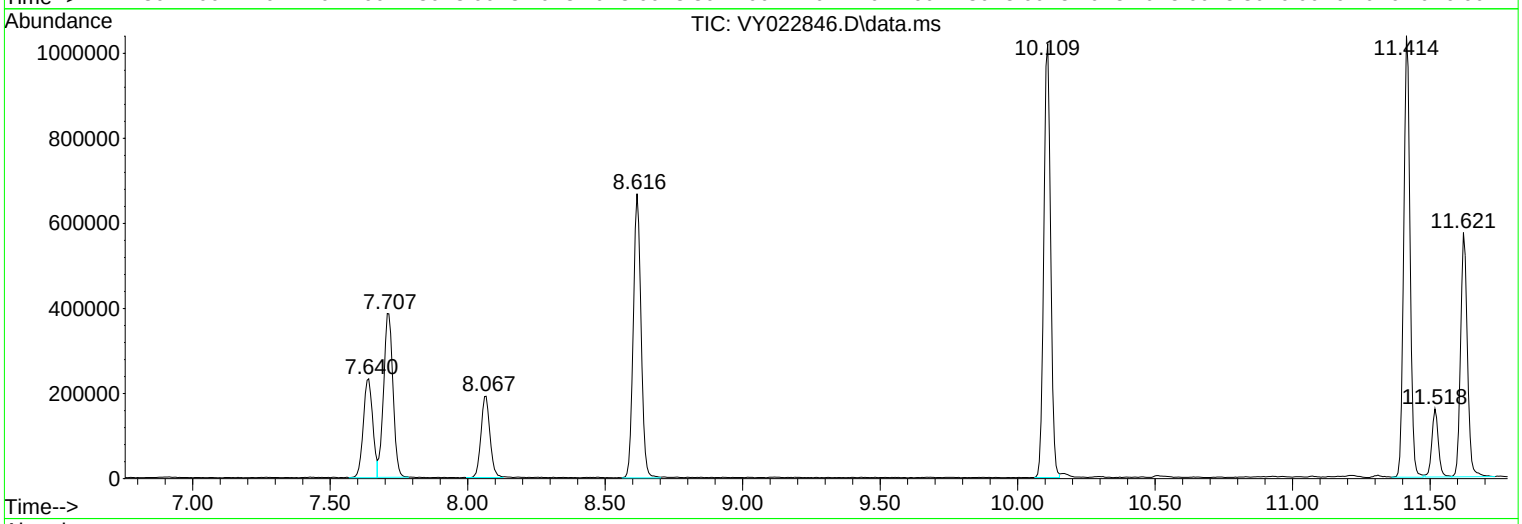
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

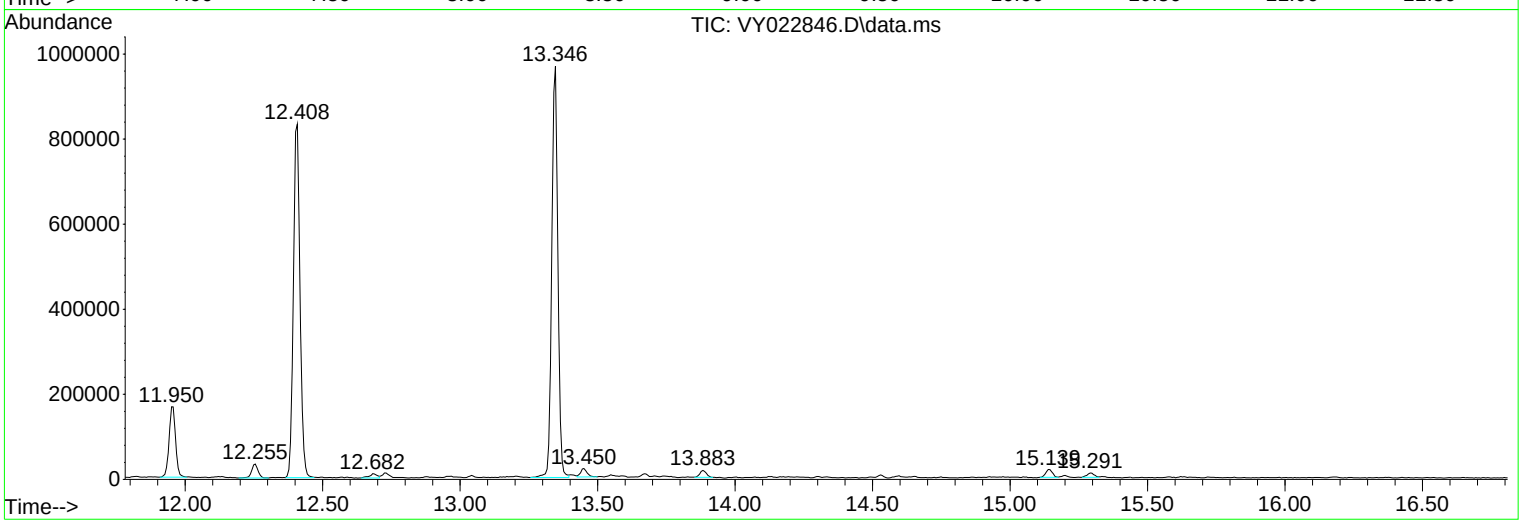
Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Time: Jun 24 03:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	114433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198594	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	177448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77358	48.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.740%		
35) Dibromofluoromethane	5.391	113	65020	49.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.960%		
50) Toluene-d8	8.647	98	235745	49.938	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.880%		
62) 4-Bromofluorobenzene	11.079	95	87567	49.762	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.520%		

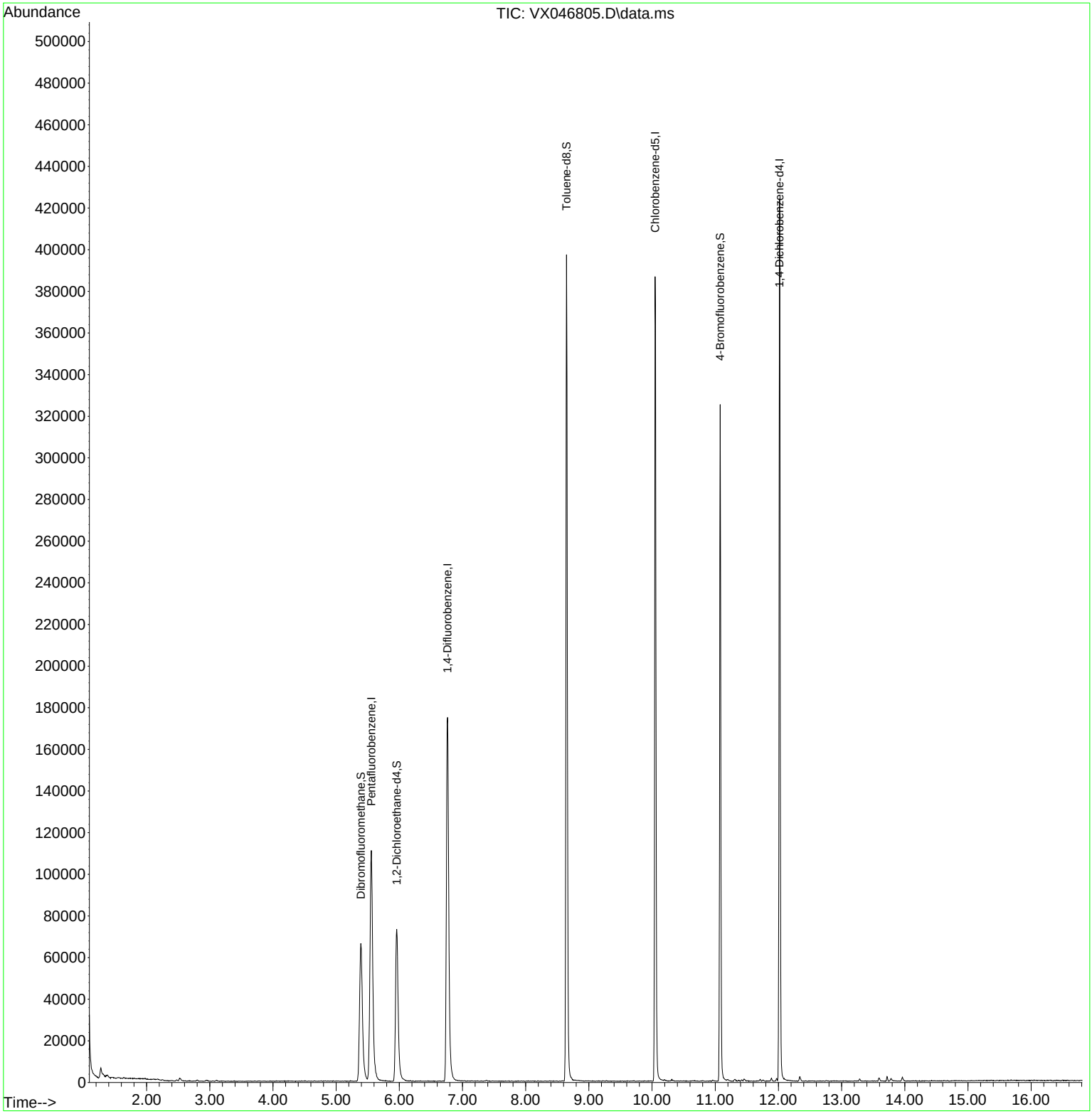
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

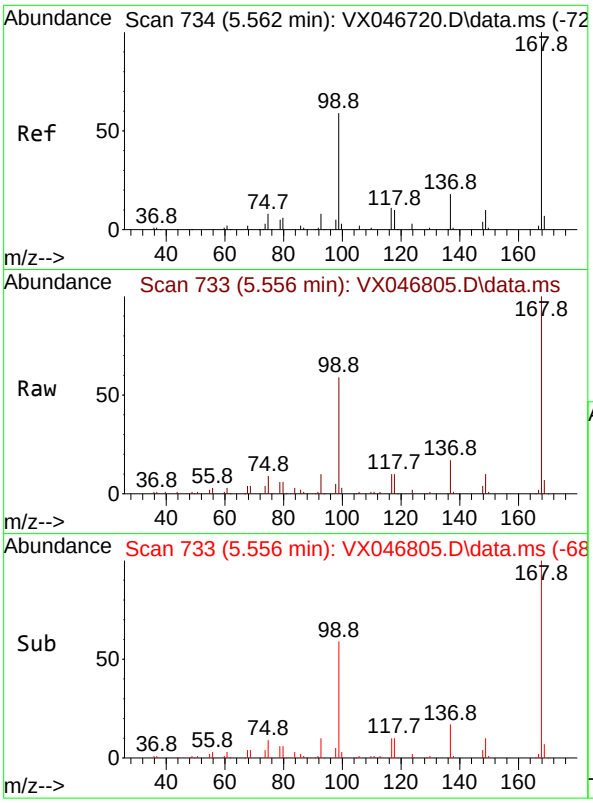
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Time: Jun 24 03:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



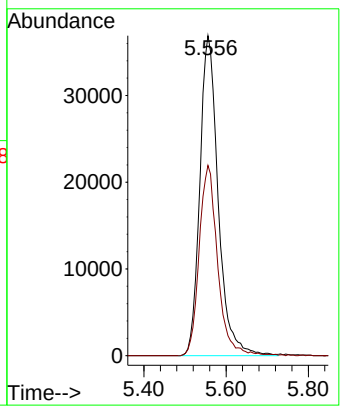
Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

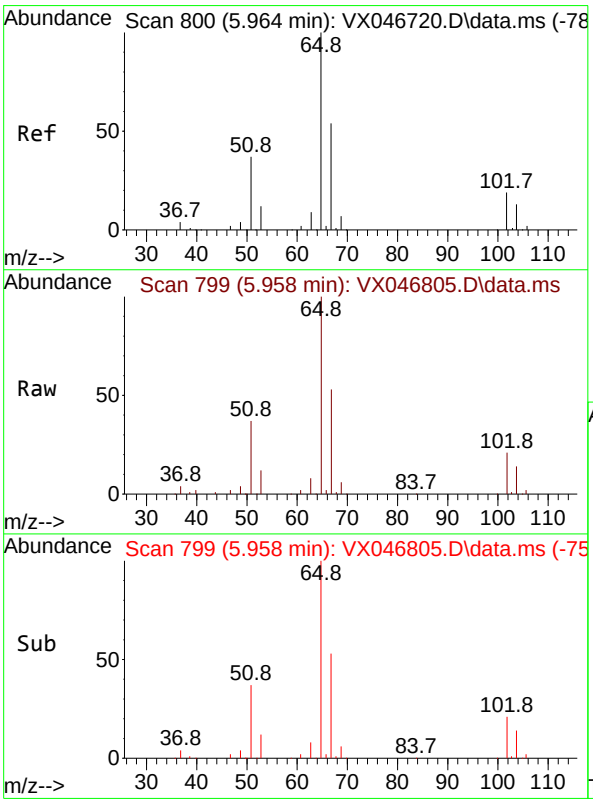


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion:168 Resp: 114433

Ion	Ratio	Lower	Upper
168	100		
99	59.5	48.5	72.7

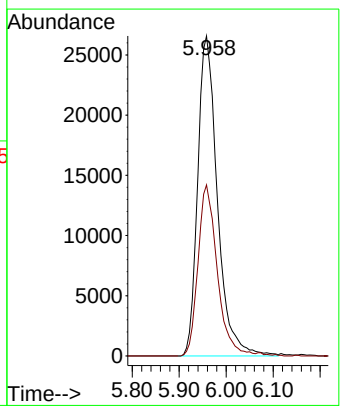


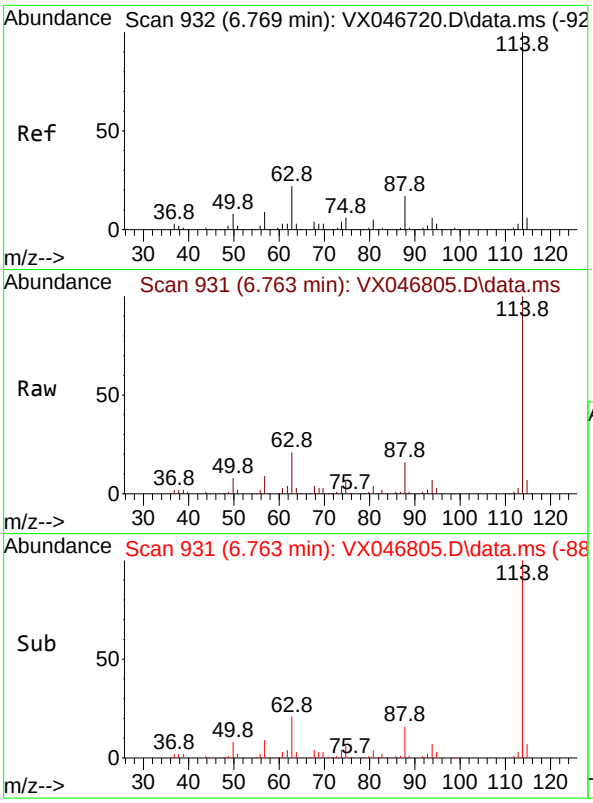


#33
1,2-Dichloroethane-d4
Concen: 48.874 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 65 Resp: 77358

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	105.4



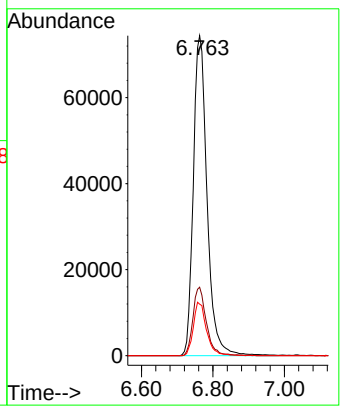


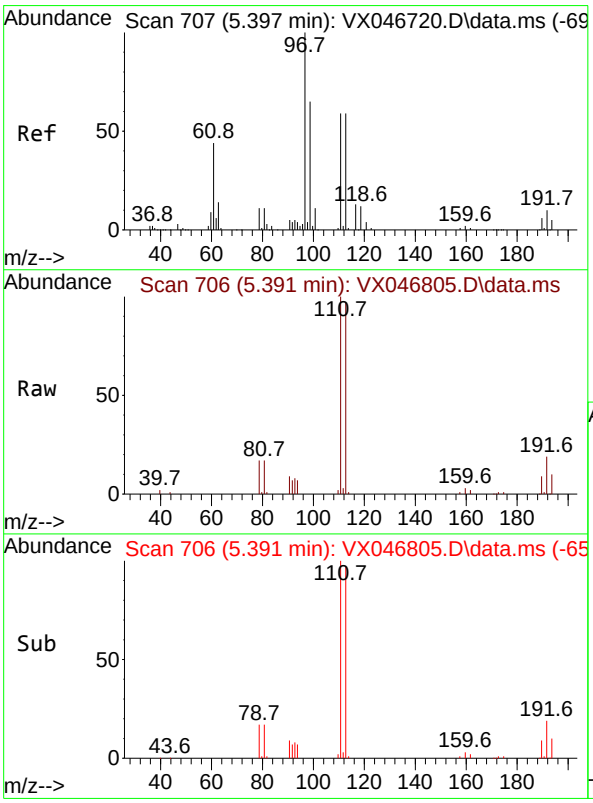
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Tgt Ion:114 Resp: 198594

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	44.2
88	16.1	0.0	33.2

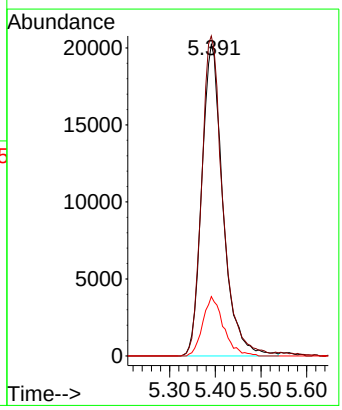


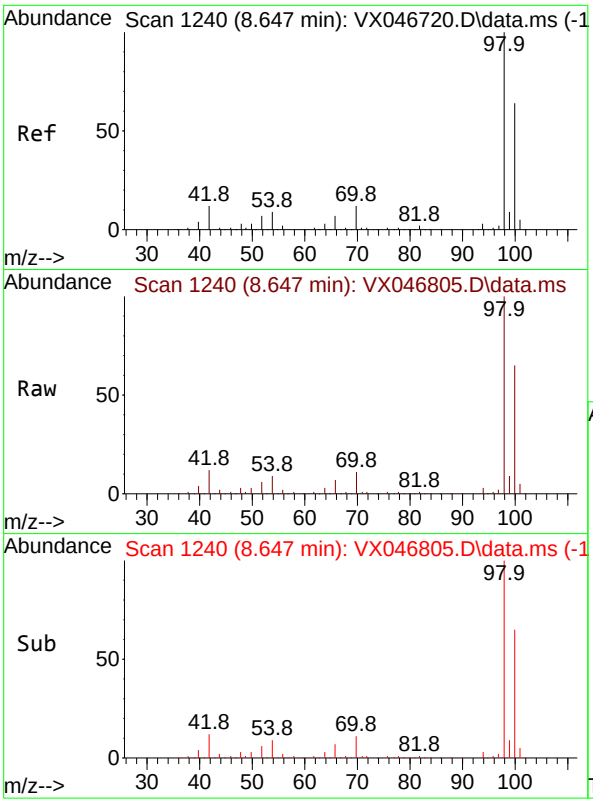


#35
Dibromofluoromethane
Concen: 49.484 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion:113 Resp: 65020

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	18.7	15.3	22.9



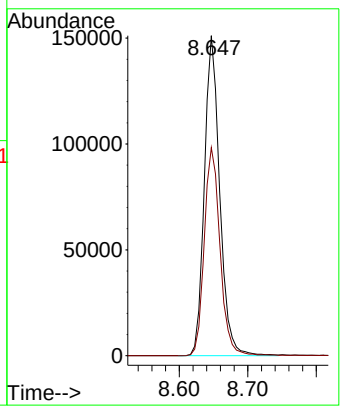


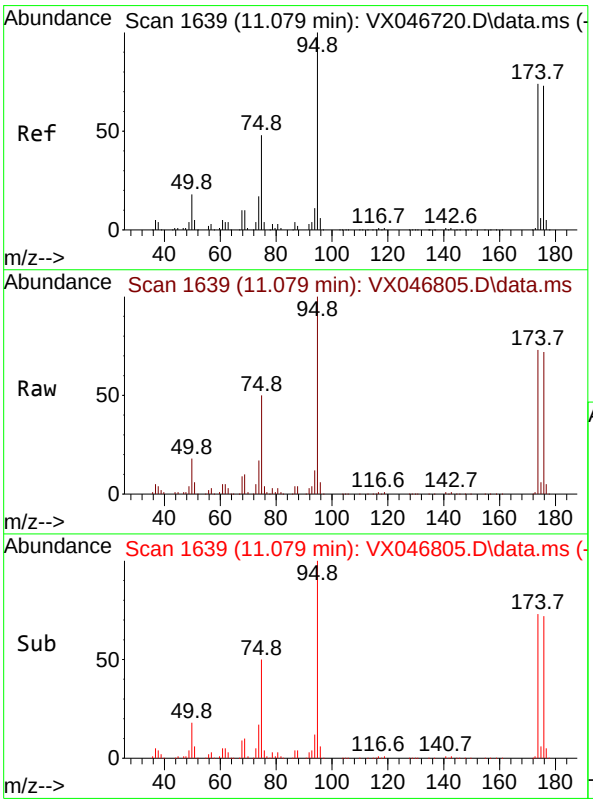
#50
Toluene-d8
Concen: 49.938 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Tgt Ion: 98 Resp: 235745

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.0	79.4

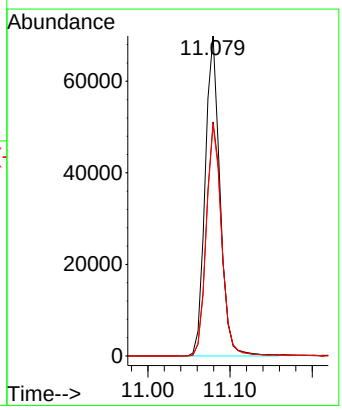


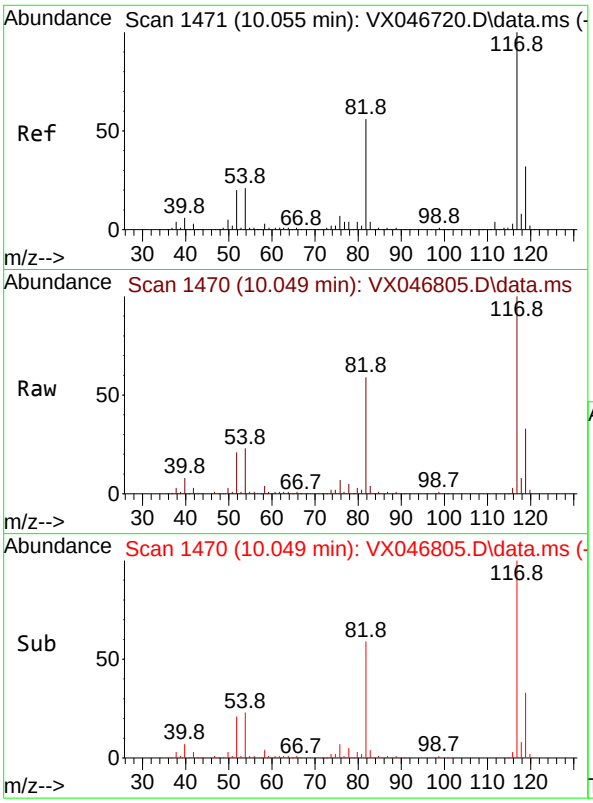


#62
4-Bromofluorobenzene
Concen: 49.762 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 95 Resp: 87567

Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	150.4
176	74.2	0.0	145.0



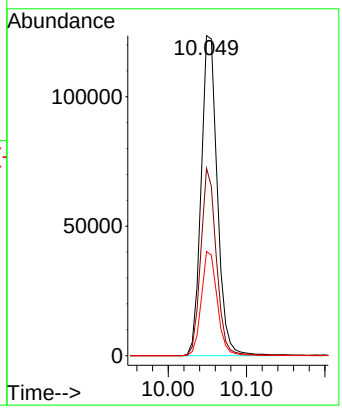


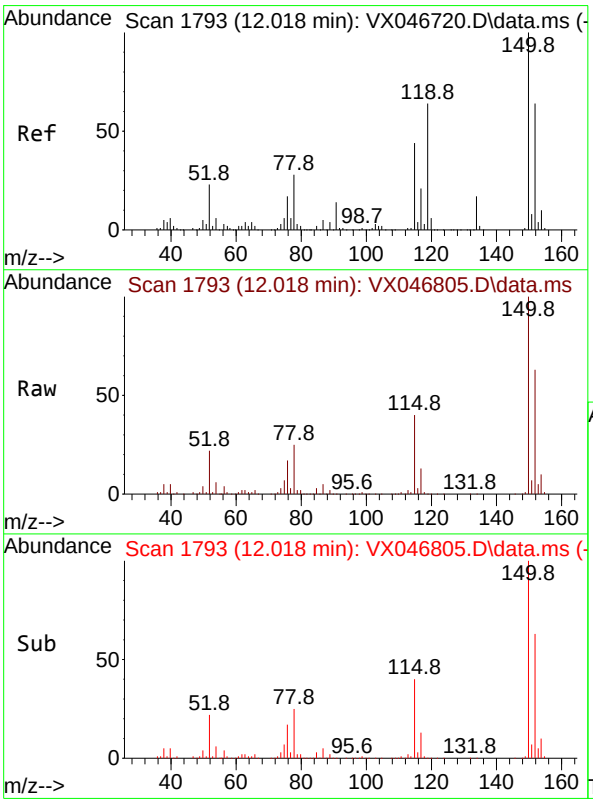
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Tgt Ion:117 Resp: 177448

Ion	Ratio	Lower	Upper
117	100		
82	58.6	44.6	66.8
119	32.5	25.8	38.8

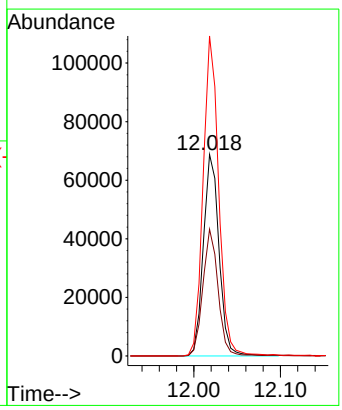




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion:152 Resp: 86635

Ion	Ratio	Lower	Upper
152	100		
115	60.8	43.2	129.6
150	157.7	0.0	346.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260

Signal : TIC: VX046805.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.276	25	31	36	rBV2	4855	10125	1.60%	0.303%
2	5.391	695	706	723	rBV3	66232	211787	33.52%	6.330%
3	5.556	723	733	752	rVB	110255	333362	52.77%	9.964%
4	5.958	789	799	821	rBV2	72967	213064	33.73%	6.368%
5	6.763	922	931	952	rBV	174829	459227	72.69%	13.726%
6	8.647	1233	1240	1256	rBV	396961	631735	100.00%	18.882%
7	10.049	1465	1470	1486	rBV	386432	545272	86.31%	16.298%
8	11.079	1634	1639	1656	rBV	324913	412843	65.35%	12.339%
9	12.018	1788	1793	1807	rBV	423492	528295	83.63%	15.790%

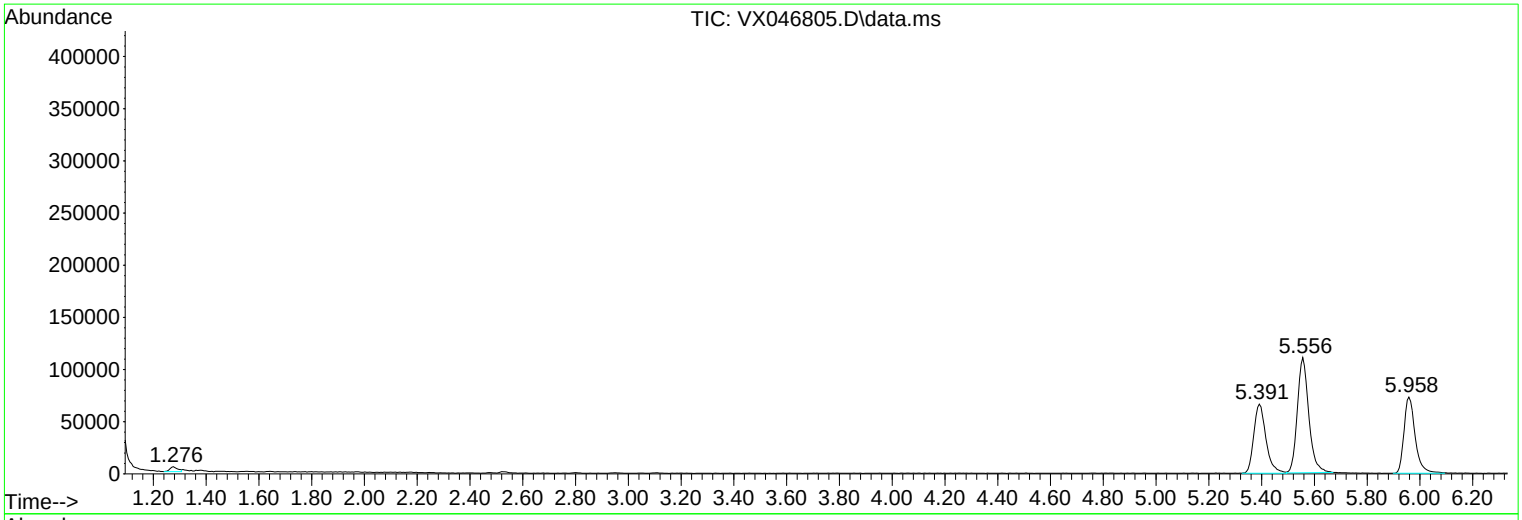
Sum of corrected areas: 3345710

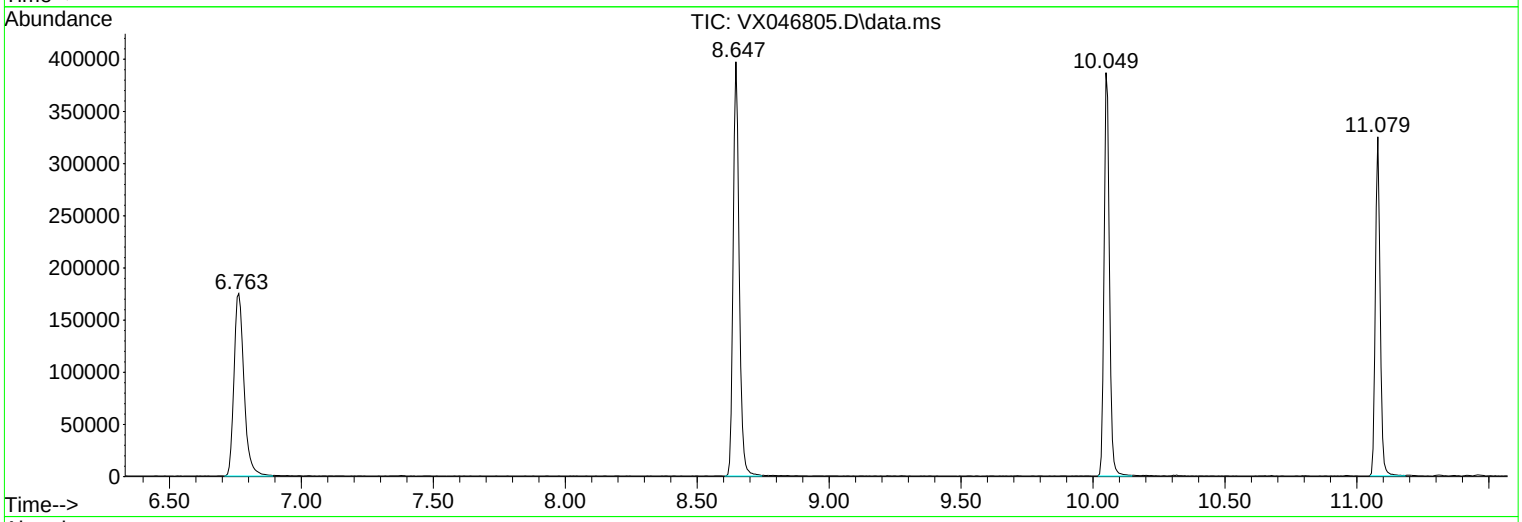
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

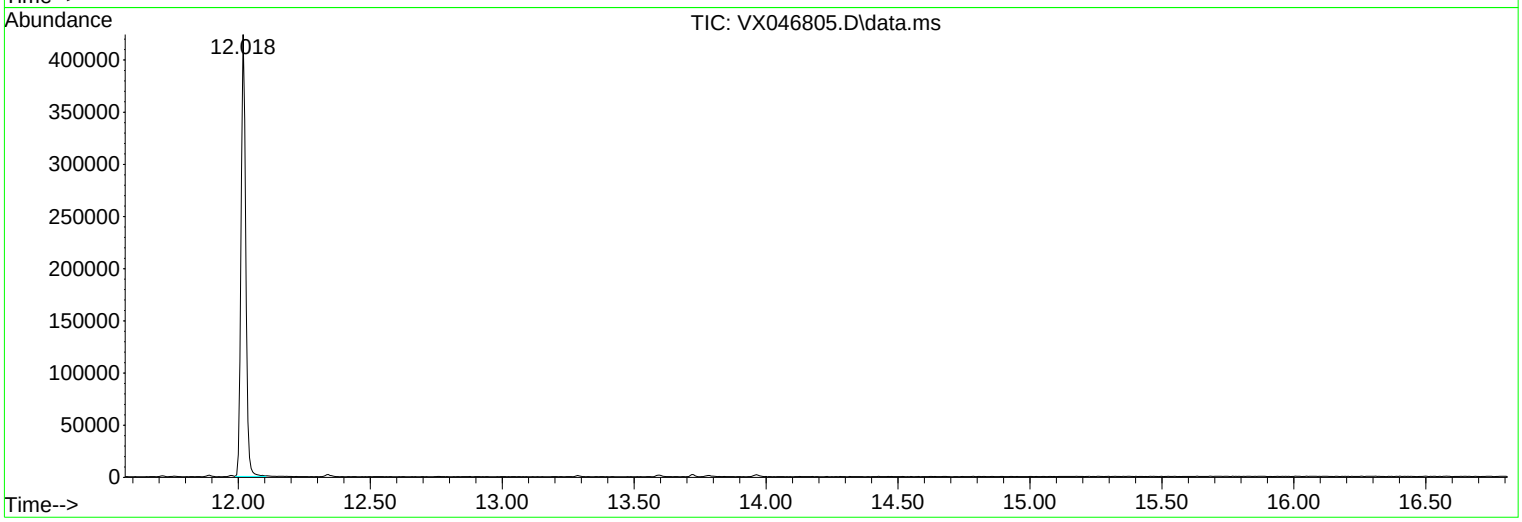
Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Time: Jun 27 01:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	328943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	604959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	571725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	249132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	183306	49.929	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.860%			
35) Dibromofluoromethane	7.640	113	184961	50.274	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.540%			
50) Toluene-d8	10.109	98	727504	49.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.660%			
62) 4-Bromofluorobenzene	12.408	95	251824	53.658	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 107.320%			

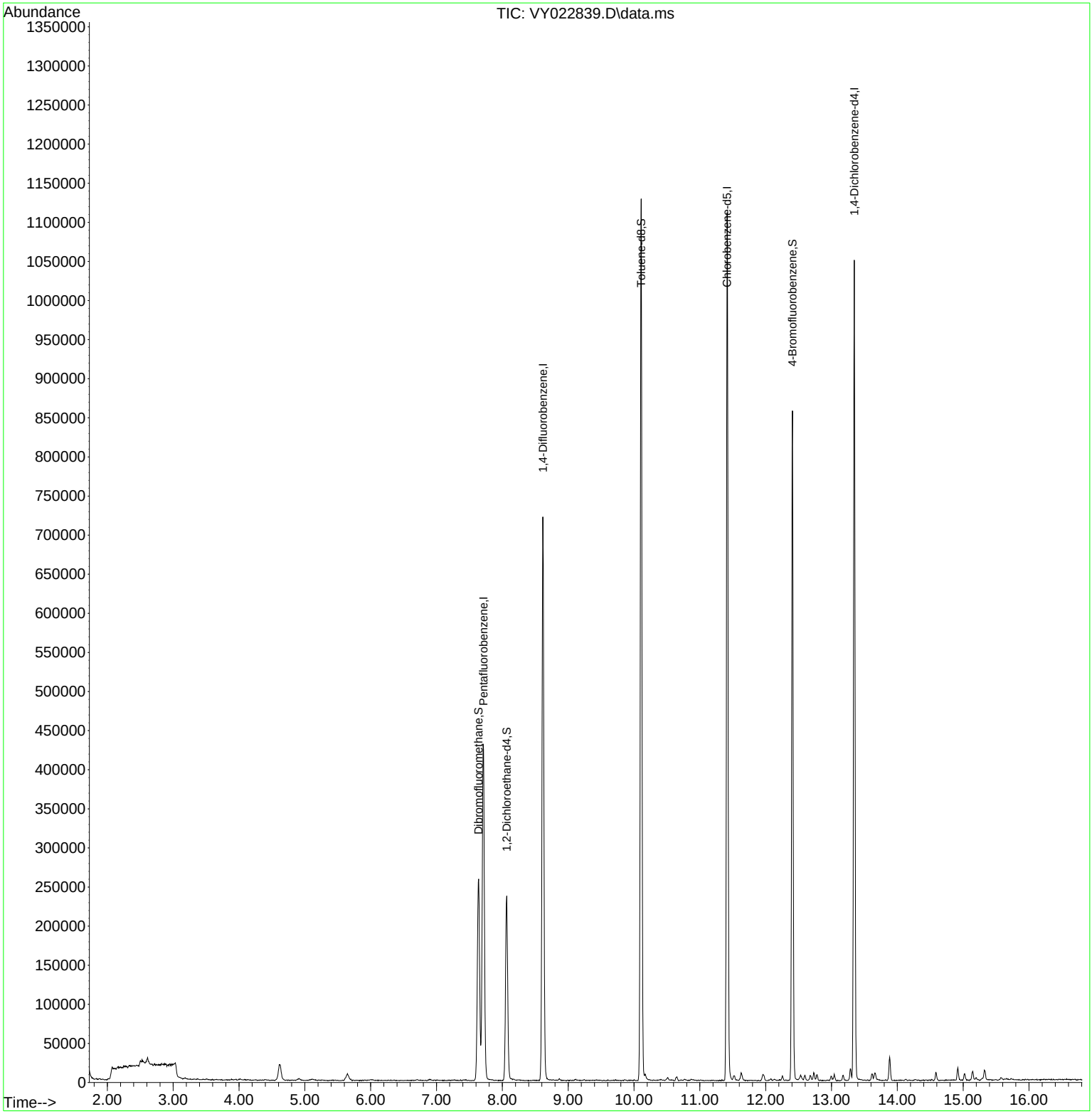
Target Compounds Qvalue

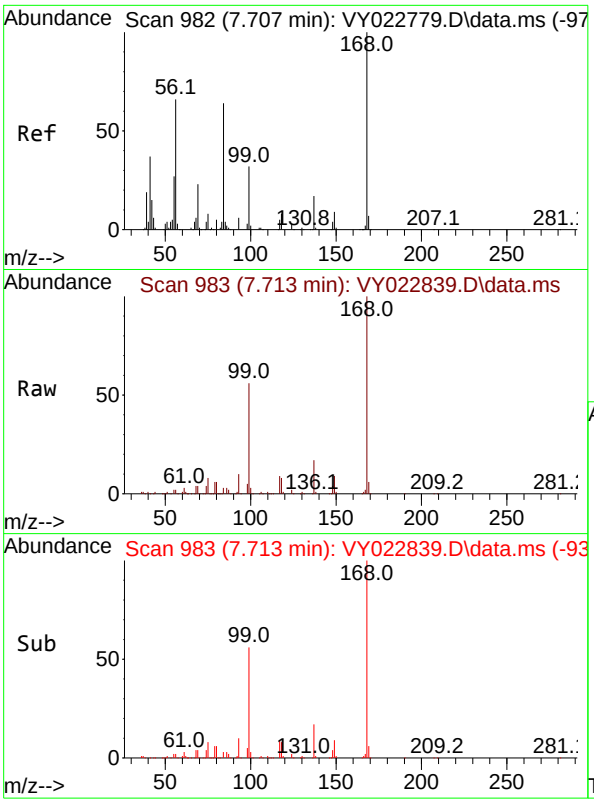
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Time: Jun 27 01:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



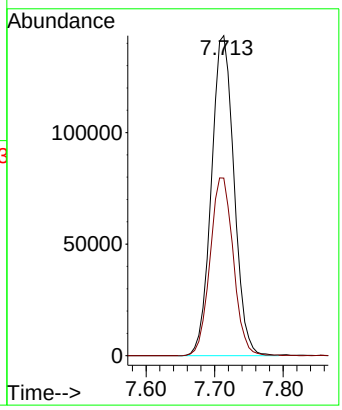


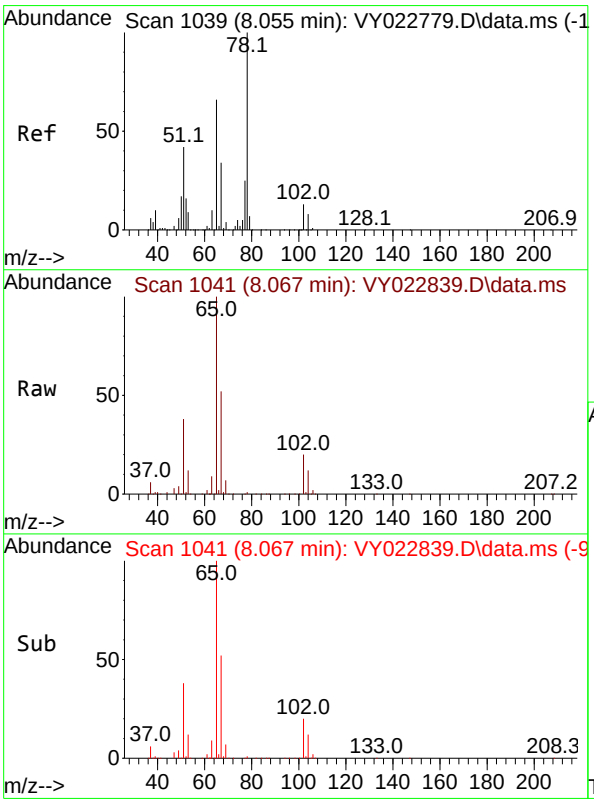
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Tgt Ion:168 Resp: 328943

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.3	66.5

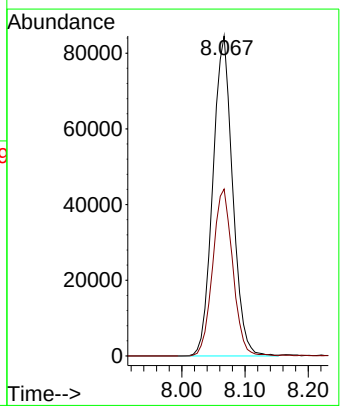


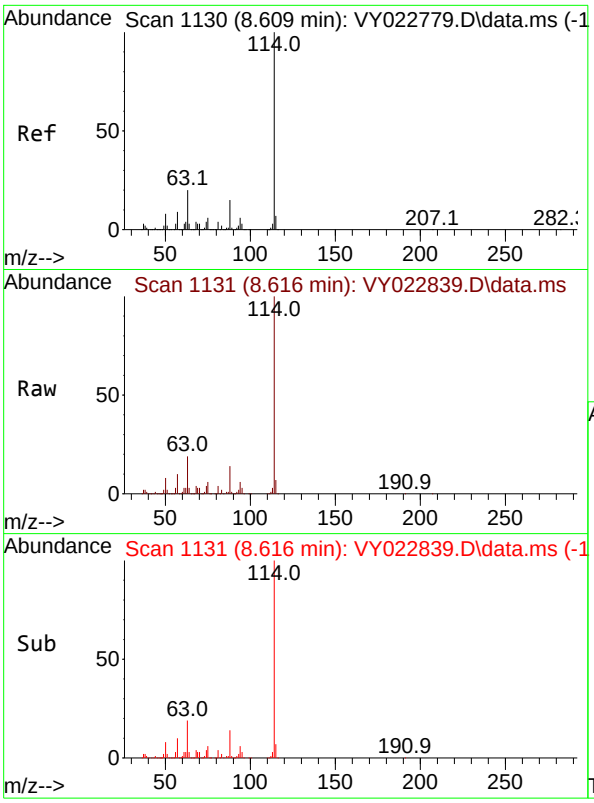


#33
1,2-Dichloroethane-d4
Concen: 49.929 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Tgt Ion: 65 Resp: 183306

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	103.4



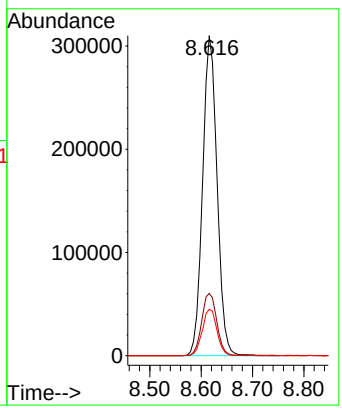


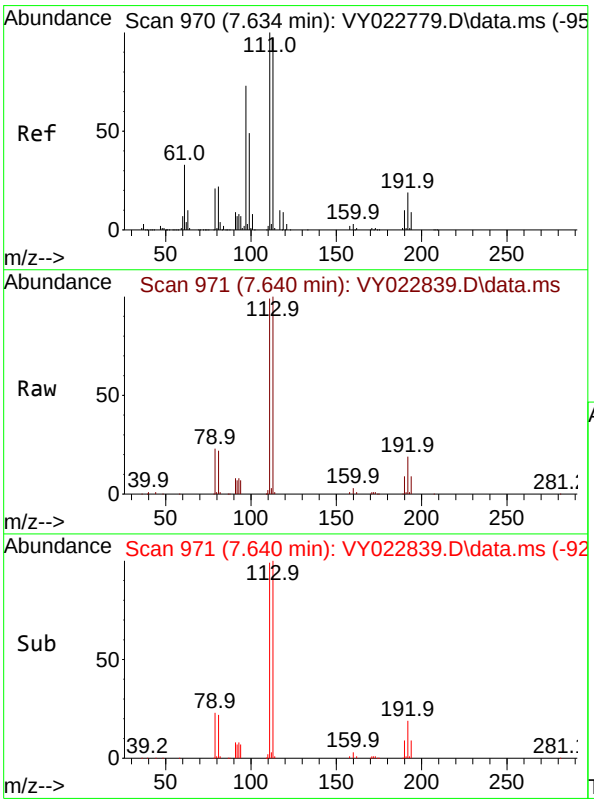
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Tgt Ion:114 Resp: 604959

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	14.5	0.0	27.8

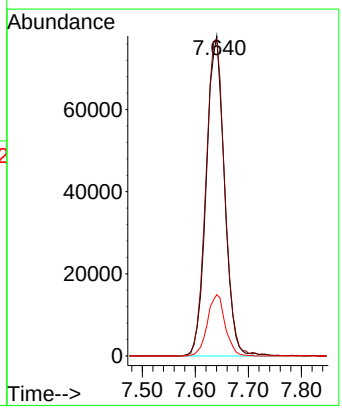


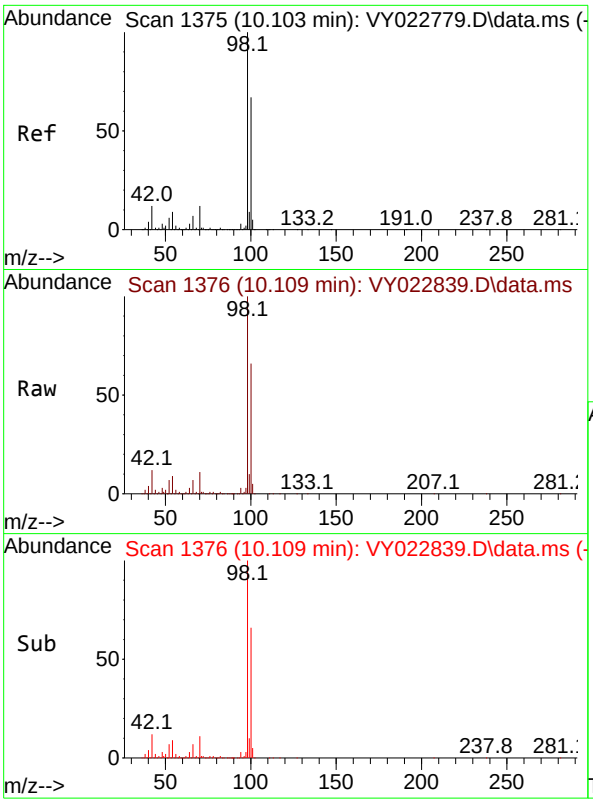


#35
Dibromofluoromethane
Concen: 50.274 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Tgt Ion:113 Resp: 184961

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.1	121.7
192	18.8	14.2	21.2



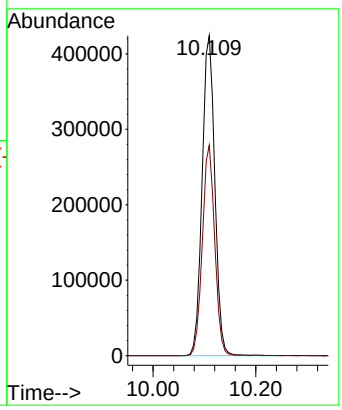


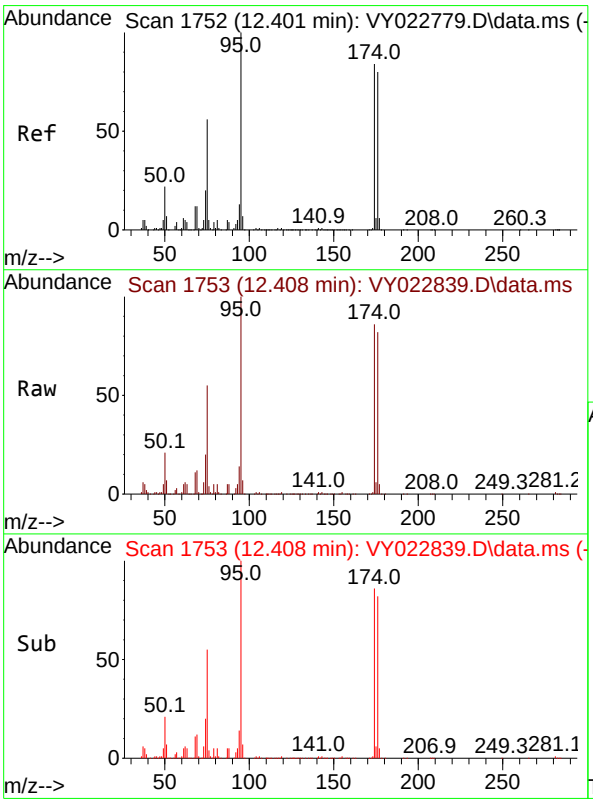
#50
Toluene-d8
Concen: 49.832 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Tgt Ion: 98 Resp: 727504

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0

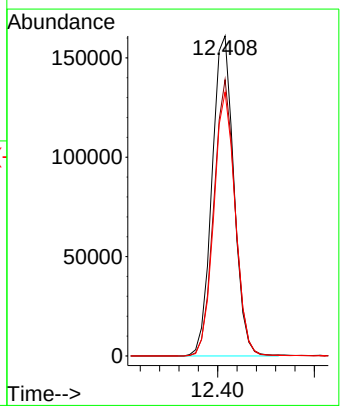


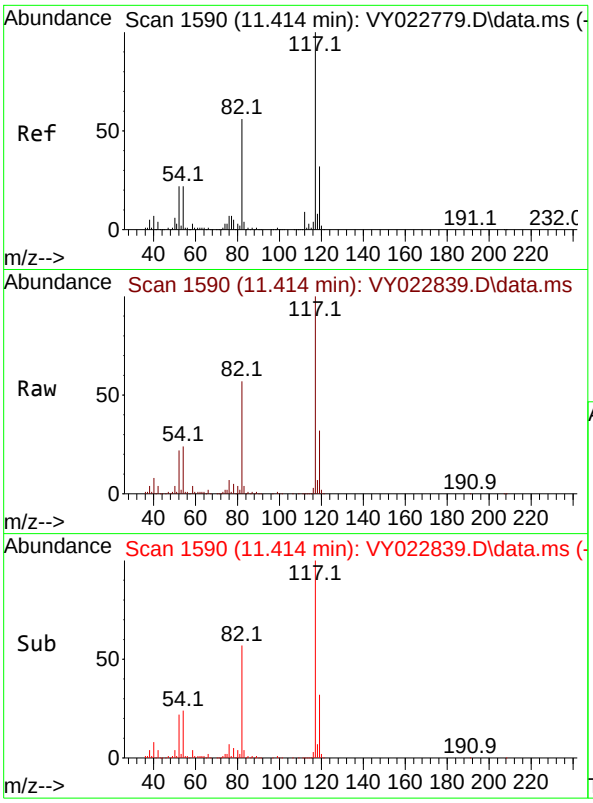


#62
4-Bromofluorobenzene
Concen: 53.658 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Tgt Ion: 95 Resp: 251824

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.0
176	81.2	0.0	166.2



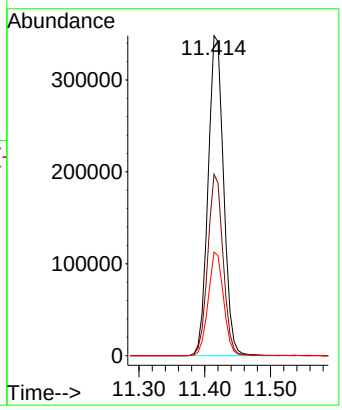


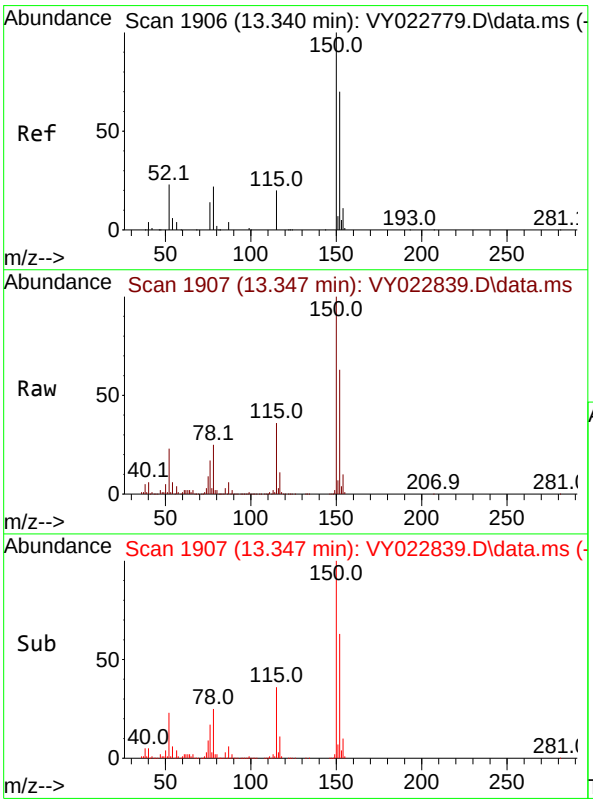
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Tgt Ion:117 Resp: 571725

Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.6	66.8
119	32.4	25.4	38.0

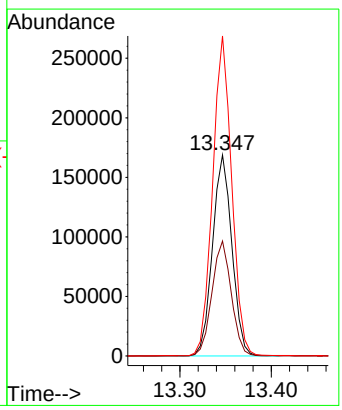




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Tgt Ion:152 Resp: 249132

Ion	Ratio	Lower	Upper
152	100		
115	57.2	28.9	86.7
150	156.6	0.0	349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022839.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	50	58	60	rBV2	15477	30809	1.59%	0.293%
2	4.610	464	474	489	rVB3	20187	65338	3.37%	0.622%
3	5.647	634	644	652	rBV6	8934	27226	1.41%	0.259%
4	7.640	959	971	976	rBV	257940	622483	32.13%	5.924%
5	7.707	976	982	997	rVB	429709	998588	51.54%	9.504%
6	8.067	1031	1041	1055	rBV	236352	534917	27.61%	5.091%
7	8.616	1122	1131	1145	rBV	721006	1422259	73.40%	13.536%
8	10.109	1368	1376	1384	rBV	1127710	1937686	100.00%	18.441%
9	11.414	1583	1590	1603	rBV	1109681	1822090	94.03%	17.341%
10	12.408	1746	1753	1764	rBV	855989	1349727	69.66%	12.845%
11	13.286	1892	1897	1901	rBV4	14640	24702	1.27%	0.235%
12	13.347	1901	1907	1918	rVB	1048060	1578025	81.44%	15.018%
13	13.883	1989	1995	2004	rVB2	29766	48589	2.51%	0.462%
14	14.919	2160	2165	2172	rVB3	16158	24898	1.28%	0.237%
15	15.322	2227	2231	2237	rVB5	11850	20227	1.04%	0.192%

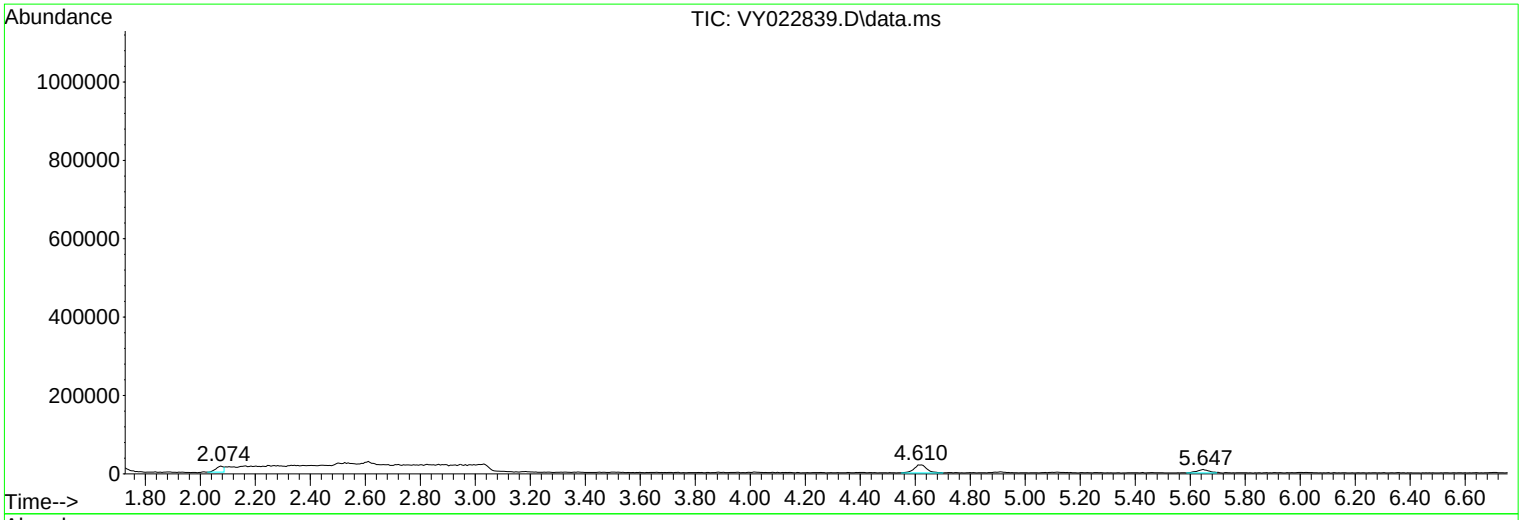
Sum of corrected areas: 10507564

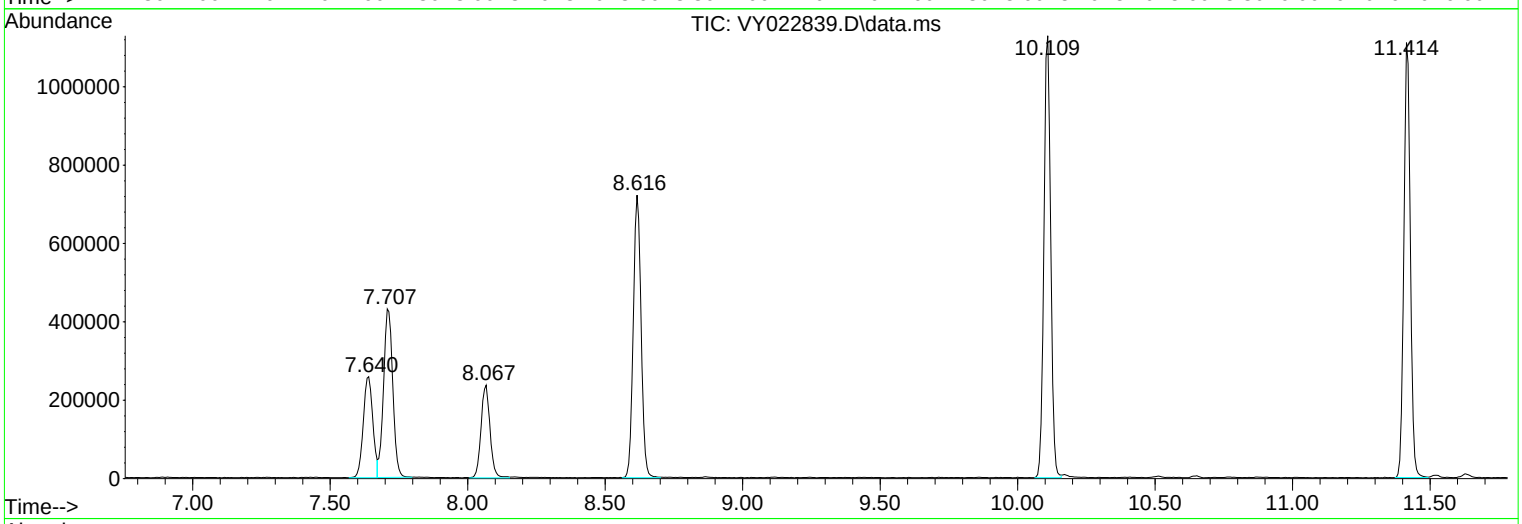
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

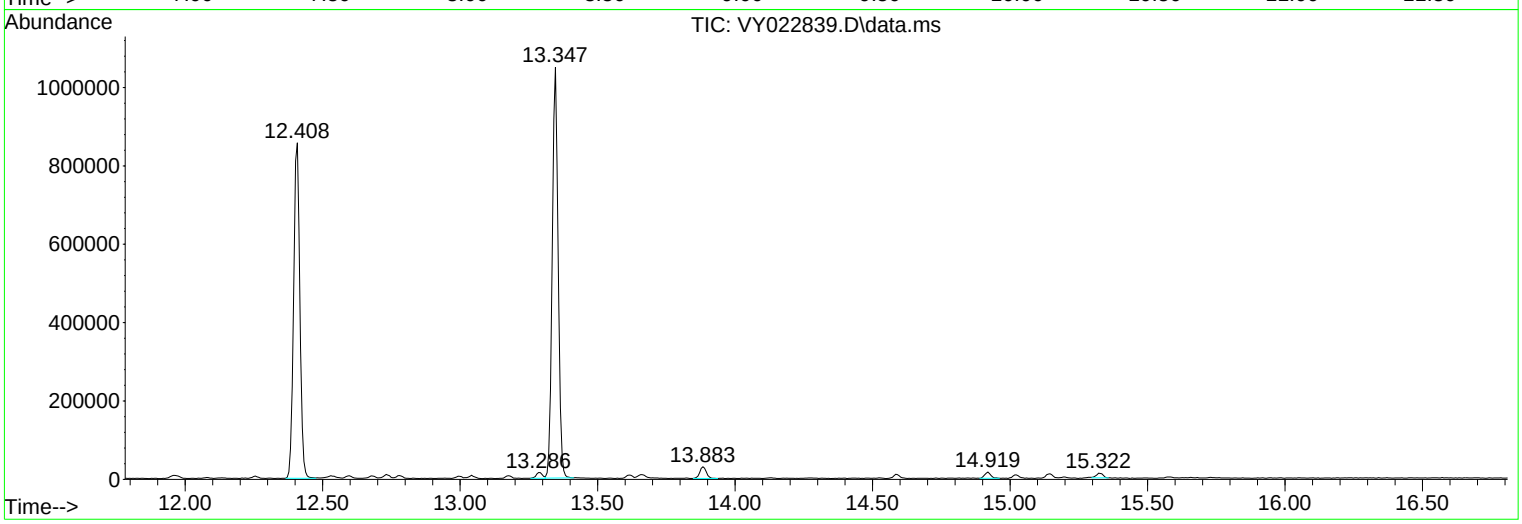
Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046807.D
Acq On : 23 Jun 2025 10:13
Operator : JC/MD
Sample : VX0623MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 04:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	140099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	228017	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	106315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	88596	45.719	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.440%			
35) Dibromofluoromethane	5.397	113	74024	49.067	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.140%			
50) Toluene-d8	8.647	98	264622	48.822	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.640%			
62) 4-Bromofluorobenzene	11.079	95	100714	49.847	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	26187	17.508	ug/l	96
3) Chloromethane	1.307	50	27629	17.114	ug/l	95
4) Vinyl Chloride	1.386	62	30728	17.848	ug/l	93
5) Bromomethane	1.624	94	18883	19.495	ug/l	97
6) Chloroethane	1.703	64	18766	17.984	ug/l	99
7) Trichlorofluoromethane	1.904	101	45457	17.389	ug/l	96
8) Diethyl Ether	2.148	74	15811	17.624	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	28513	17.780	ug/l	99
10) Methyl Iodide	2.471	142	29796	17.890	ug/l	100
11) Tert butyl alcohol	2.959	59	11562	66.475	ug/l	98
12) 1,1-Dichloroethene	2.337	96	27849	17.997	ug/l	95
13) Acrolein	2.245	56	24780	97.813	ug/l	98
14) Allyl chloride	2.678	41	48441	17.277	ug/l	99
15) Acrylonitrile	3.075	53	64028	81.868	ug/l	100
16) Acetone	2.386	43	48031	74.327	ug/l	99
17) Carbon Disulfide	2.532	76	75854	16.232	ug/l	98
18) Methyl Acetate	2.715	43	26856	16.363	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	79170	16.431	ug/l	99
20) Methylene Chloride	2.806	84	30962	17.229	ug/l	95
21) trans-1,2-Dichloroethene	3.111	96	29224	17.649	ug/l	98
22) Diisopropyl ether	3.770	45	98189	18.220	ug/l	97
23) Vinyl Acetate	3.733	43	363092	84.726	ug/l	98
24) 1,1-Dichloroethane	3.629	63	54007	17.651	ug/l	98
25) 2-Butanone	4.562	43	71447	78.175	ug/l	99
26) 2,2-Dichloropropane	4.489	77	39518	17.708	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	34335	17.650	ug/l	99
28) Bromochloromethane	4.910	49	27889	20.105	ug/l	97
29) Tetrahydrofuran	5.013	42	46635	78.999	ug/l	99
30) Chloroform	5.105	83	55805	18.237	ug/l	99
31) Cyclohexane	5.483	56	50897	17.541	ug/l	92
32) 1,1,1-Trichloroethane	5.397	97	46166	17.203	ug/l	98
36) 1,1-Dichloropropene	5.702	75	38952	17.886	ug/l	100
37) Ethyl Acetate	4.721	43	32861	16.347	ug/l	97
38) Carbon Tetrachloride	5.690	117	41775	17.676	ug/l	96
39) Methylcyclohexane	7.385	83	50256	17.537	ug/l	99
40) Benzene	6.044	78	118780	18.429	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046807.D
Acq On : 23 Jun 2025 10:13
Operator : JC/MD
Sample : VX0623MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 04:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	18232	17.013	ug/l		97
42) 1,2-Dichloroethane	6.092	62	40545	17.902	ug/l		100
43) Isopropyl Acetate	6.348	43	51026	16.221	ug/l		99
44) Trichloroethene	7.135	130	29599	18.021	ug/l		100
45) 1,2-Dichloropropane	7.434	63	29055	18.190	ug/l		99
46) Dibromomethane	7.586	93	20527	17.881	ug/l		98
47) Bromodichloromethane	7.824	83	42764	18.255	ug/l		97
48) Methyl methacrylate	7.696	41	26871	17.033	ug/l		98
49) 1,4-Dioxane	7.665	88	6399	299.166	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	156786	83.571	ug/l		98
52) Toluene	8.720	92	73896	18.495	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	38205	17.577	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	44595	18.073	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	27298	18.333	ug/l		98
56) Ethyl methacrylate	9.116	69	37491	17.057	ug/l		100
57) 1,3-Dichloropropane	9.311	76	47668	18.590	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	107089	93.792	ug/l		100
59) 2-Hexanone	9.427	43	103966	80.158	ug/l		99
60) Dibromochloromethane	9.518	129	31738	18.087	ug/l		96
61) 1,2-Dibromoethane	9.610	107	27479	18.143	ug/l		99
64) Tetrachloroethene	9.275	164	25622	18.058	ug/l		96
65) Chlorobenzene	10.079	112	83303	18.427	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	27448	18.065	ug/l		98
67) Ethyl Benzene	10.195	91	143293	18.141	ug/l		100
68) m/p-Xylenes	10.299	106	106844	36.301	ug/l		98
69) o-Xylene	10.640	106	51314	18.603	ug/l		98
70) Styrene	10.652	104	89144	18.467	ug/l		100
71) Bromoform	10.799	173	20582	17.788	ug/l	#	100
73) Isopropylbenzene	10.957	105	137444	17.553	ug/l		100
74) N-amyl acetate	10.841	43	46426	15.649	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	37312	17.066	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	36036m	18.507	ug/l		
77) Bromobenzene	11.195	156	33911	17.997	ug/l		99
78) n-propylbenzene	11.299	91	164647	17.703	ug/l		100
79) 2-Chlorotoluene	11.360	91	98705	17.776	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	115938	18.018	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	10337	15.005	ug/l		96
82) 4-Chlorotoluene	11.451	91	114535	17.674	ug/l		99
83) tert-Butylbenzene	11.713	119	115500	17.365	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	114247	17.672	ug/l		100
85) sec-Butylbenzene	11.890	105	150094	17.856	ug/l		100
86) p-Isopropyltoluene	12.006	119	123317	17.387	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	62947	17.134	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	64022	16.966	ug/l		98
89) n-Butylbenzene	12.329	91	118775	17.638	ug/l		99
90) Hexachloroethane	12.536	117	20450	16.466	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	60689	17.677	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6448	14.939	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	41657	17.067	ug/l		98
94) Hexachlorobutadiene	13.719	225	18037	17.567	ug/l		98
95) Naphthalene	13.774	128	110680	15.916	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	40383	17.294	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046807.D
Acq On : 23 Jun 2025 10:13
Operator : JC/MD
Sample : VX0623MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 04:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

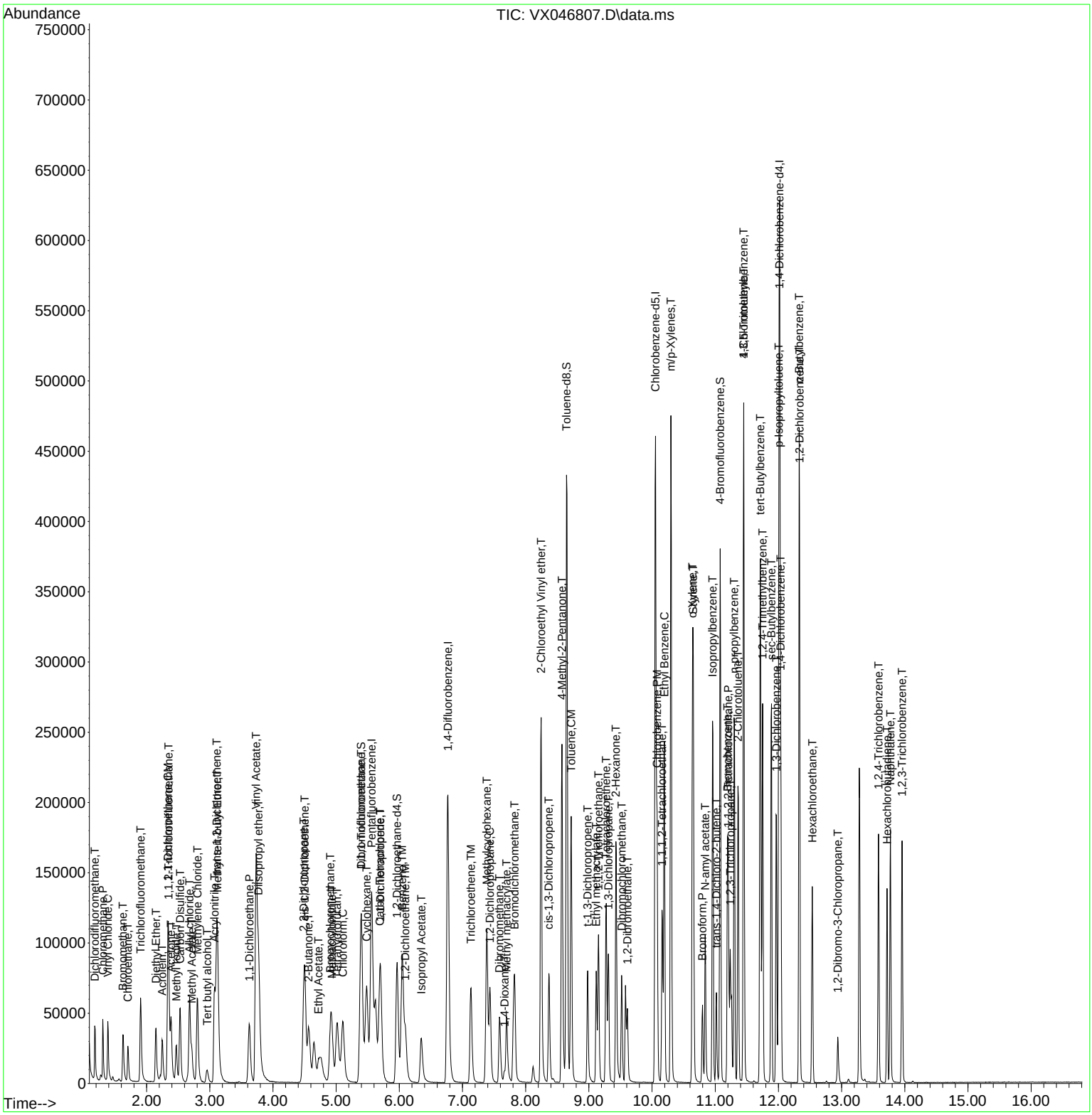
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046807.D
Acq On : 23 Jun 2025 10:13
Operator : JC/MD
Sample : VX0623MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 04:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022840.D
Acq On : 26 Jun 2025 11:09
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 01:24:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	434636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	740035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	637859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	302470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	251125	51.768	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.540%			
35) Dibromofluoromethane	7.634	113	226818	50.398	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.800%			
50) Toluene-d8	10.109	98	910365	50.976	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.960%			
62) 4-Bromofluorobenzene	12.408	95	287131	50.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	75961	20.438	ug/l	99
3) Chloromethane	2.068	50	157607	22.208	ug/l	99
4) Vinyl Chloride	2.202	62	176902	19.952	ug/l	96
5) Bromomethane	2.592	94	160953	23.091	ug/l	99
6) Chloroethane	2.733	64	115049	19.304	ug/l	91
7) Trichlorofluoromethane	3.056	101	186321	18.978	ug/l	100
8) Diethyl Ether	3.458	74	51940	21.420	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	93427	20.824	ug/l	97
10) Methyl Iodide	4.007	142	89370	18.295	ug/l	99
11) Tert butyl alcohol	4.866	59	34478	106.890	ug/l	96
12) 1,1-Dichloroethene	3.793	96	90089	20.478	ug/l	96
13) Acrolein	3.653	56	44603	101.976	ug/l	99
14) Allyl chloride	4.385	41	136536	20.177	ug/l	97
15) Acrylonitrile	5.061	53	109518	108.251	ug/l	97
16) Acetone	3.873	43	140162	152.870	ug/l	99
17) Carbon Disulfide	4.110	76	290236	20.422	ug/l	98
18) Methyl Acetate	4.391	43	55098	18.146	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	251821	21.022	ug/l	99
20) Methylene Chloride	4.610	84	133084	22.984	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	101684	20.224	ug/l	89
22) Diisopropyl ether	6.025	45	311227	20.710	ug/l	98
23) Vinyl Acetate	5.964	43	893618	107.671	ug/l	98
24) 1,1-Dichloroethane	5.915	63	186884	20.589	ug/l	98
25) 2-Butanone	6.896	43	171331	128.392	ug/l	98
26) 2,2-Dichloropropane	6.884	77	159165	20.918	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	118753	20.326	ug/l	100
28) Bromochloromethane	7.250	49	78900	20.675	ug/l	93
29) Tetrahydrofuran	7.268	42	87942	104.367	ug/l	97
30) Chloroform	7.421	83	189613	20.282	ug/l	97
31) Cyclohexane	7.707	56	169401	20.331	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	163686	20.260	ug/l	99
36) 1,1-Dichloropropene	7.835	75	138096	20.244	ug/l	99
37) Ethyl Acetate	6.988	43	63941	21.721	ug/l	96
38) Carbon Tetrachloride	7.817	117	142237	19.761	ug/l	97
39) Methylcyclohexane	9.109	83	177800	20.141	ug/l	94
40) Benzene	8.079	78	421633	20.103	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022840.D
Acq On : 26 Jun 2025 11:09
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 01:24:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	32720m	18.055	ug/l		
42) 1,2-Dichloroethane	8.164	62	115601	20.114	ug/l		100
43) Isopropyl Acetate	8.201	43	126731	20.714	ug/l		98
44) Trichloroethene	8.866	130	109279	20.752	ug/l		99
45) 1,2-Dichloropropane	9.140	63	98526	20.071	ug/l		99
46) Dibromomethane	9.231	93	55463	19.904	ug/l		95
47) Bromodichloromethane	9.426	83	145403	20.235	ug/l		96
48) Methyl methacrylate	9.219	41	57700	19.618	ug/l		94
49) 1,4-Dioxane	9.237	88	12972	394.021	ug/l		99
51) 4-Methyl-2-Pentanone	9.999	43	327464	105.326	ug/l		95
52) Toluene	10.170	92	264441	19.985	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	129063	19.963	ug/l		96
54) cis-1,3-Dichloropropene	9.859	75	152185	20.301	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	72736	20.158	ug/l		96
56) Ethyl methacrylate	10.438	69	97480	20.080	ug/l		96
57) 1,3-Dichloropropane	10.719	76	129095	20.506	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	243132	104.978	ug/l		99
59) 2-Hexanone	10.762	43	248724	117.668	ug/l		97
60) Dibromochloromethane	10.914	129	93288	20.016	ug/l		99
61) 1,2-Dibromoethane	11.018	107	67523	19.998	ug/l		97
64) Tetrachloroethene	10.646	164	125228	20.782	ug/l		97
65) Chlorobenzene	11.444	112	279293	19.927	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	91277	19.228	ug/l		97
67) Ethyl Benzene	11.518	91	488351	19.831	ug/l		100
68) m/p-Xylenes	11.627	106	379404	39.856	ug/l		99
69) o-Xylene	11.956	106	177426	19.781	ug/l		99
70) Styrene	11.969	104	296661	19.745	ug/l		99
71) Bromoform	12.133	173	51209	19.373	ug/l	#	98
73) Isopropylbenzene	12.255	105	457536	20.453	ug/l		99
74) N-amyl acetate	12.072	43	107487	21.407	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	74768	20.739	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	61465m	19.905	ug/l		
77) Bromobenzene	12.530	156	102739	20.262	ug/l		98
78) n-propylbenzene	12.597	91	563739	20.873	ug/l		99
79) 2-Chlorotoluene	12.682	91	312924	20.507	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	372151	20.608	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	25482	20.848	ug/l		98
82) 4-Chlorotoluene	12.779	91	325338	20.298	ug/l		100
83) tert-Butylbenzene	12.999	119	329113	20.665	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	371892	20.570	ug/l		99
85) sec-Butylbenzene	13.176	105	500578	20.891	ug/l		100
86) p-Isopropyltoluene	13.292	119	408150	20.468	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	206675	20.296	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	202641	20.033	ug/l		98
89) n-Butylbenzene	13.615	91	386853	20.625	ug/l		99
90) Hexachloroethane	13.877	117	80122	20.174	ug/l		95
91) 1,2-Dichlorobenzene	13.657	146	180806	20.148	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12353	20.205	ug/l		99
93) 1,2,4-Trichlorobenzene	14.919	180	100273	19.790	ug/l		97
94) Hexachlorobutadiene	15.023	225	56997	19.893	ug/l		98
95) Naphthalene	15.145	128	181412	19.799	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	85239	19.468	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022840.D
Acq On : 26 Jun 2025 11:09
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 01:24:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

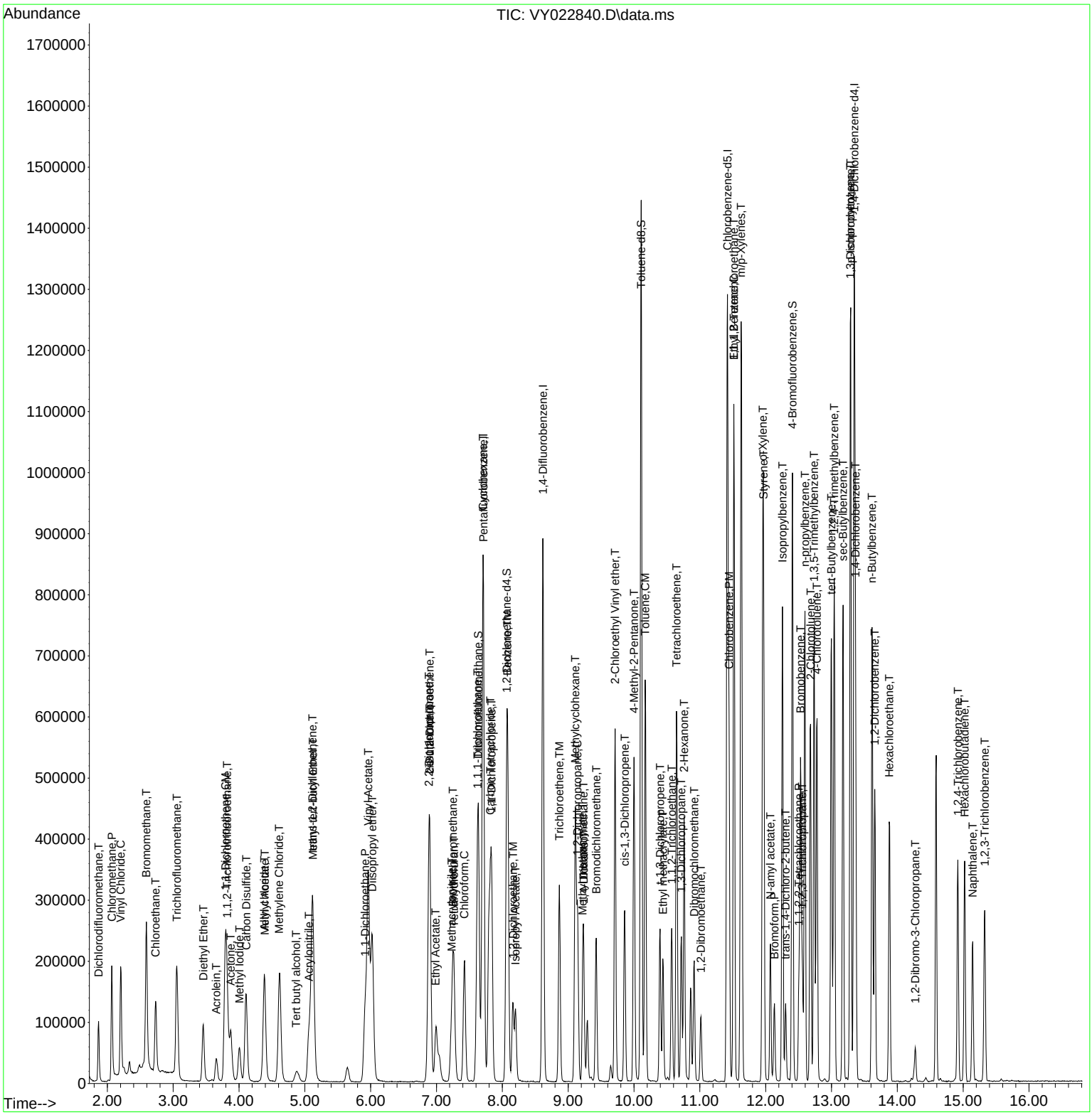
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022840.D
Acq On : 26 Jun 2025 11:09
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 27 01:24:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022841.D
Acq On : 26 Jun 2025 11:32
Operator : SY/MD
Sample : VY0626SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	431722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	725692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	622886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	291493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	244555	50.754	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.500%			
35) Dibromofluoromethane	7.634	113	220940	50.062	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.120%			
50) Toluene-d8	10.109	98	893252	51.006	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.402	95	272299	48.368	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	77971	21.121	ug/l	100
3) Chloromethane	2.068	50	131654	18.676	ug/l	98
4) Vinyl Chloride	2.202	62	167129	18.977	ug/l	98
5) Bromomethane	2.592	94	143782	20.767	ug/l	98
6) Chloroethane	2.733	64	113552	19.181	ug/l	94
7) Trichlorofluoromethane	3.056	101	184620	18.932	ug/l	97
8) Diethyl Ether	3.452	74	48873	20.291	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	94942	21.304	ug/l	99
10) Methyl Iodide	4.001	142	94153	19.404	ug/l	98
11) Tert butyl alcohol	4.866	59	31376	97.930	ug/l	98
12) 1,1-Dichloroethene	3.787	96	89726	20.533	ug/l	98
13) Acrolein	3.653	56	41381	95.248	ug/l	100
14) Allyl chloride	4.385	41	135494	20.159	ug/l	96
15) Acrylonitrile	5.061	53	105746	105.228	ug/l	98
16) Acetone	3.873	43	112256	123.260	ug/l	96
17) Carbon Disulfide	4.104	76	288366	20.427	ug/l	98
18) Methyl Acetate	4.385	43	51355	17.027	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	239926	20.164	ug/l	99
20) Methylene Chloride	4.616	84	112271	19.520	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	99960	20.015	ug/l	99
22) Diisopropyl ether	6.019	45	305873	20.491	ug/l	98
23) Vinyl Acetate	5.964	43	864056	104.812	ug/l	99
24) 1,1-Dichloroethane	5.915	63	184267	20.437	ug/l	99
25) 2-Butanone	6.896	43	147329	111.151	ug/l	96
26) 2,2-Dichloropropane	6.884	77	157099	20.786	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	116270	20.035	ug/l	99
28) Bromochloromethane	7.244	49	76768	20.253	ug/l	95
29) Tetrahydrofuran	7.262	42	86572	103.434	ug/l	99
30) Chloroform	7.421	83	186363	20.068	ug/l	94
31) Cyclohexane	7.701	56	170893	20.648	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	163395	20.361	ug/l	99
36) 1,1-Dichloropropene	7.835	75	137574	20.566	ug/l	99
37) Ethyl Acetate	6.988	43	58883	20.398	ug/l #	98
38) Carbon Tetrachloride	7.817	117	142015	20.120	ug/l	98
39) Methylcyclohexane	9.109	83	178730	20.646	ug/l	99
40) Benzene	8.085	78	423392	20.586	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022841.D
Acq On : 26 Jun 2025 11:32
Operator : SY/MD
Sample : VY0626SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	32334m	18.195	ug/l		
42) 1,2-Dichloroethane	8.158	62	115476	20.489	ug/l		99
43) Isopropyl Acetate	8.201	43	120156	20.028	ug/l		96
44) Trichloroethene	8.866	130	105203	20.373	ug/l		95
45) 1,2-Dichloropropane	9.140	63	96590	20.066	ug/l		100
46) Dibromomethane	9.231	93	54676	20.009	ug/l		97
47) Bromodichloromethane	9.426	83	142643	20.243	ug/l		98
48) Methyl methacrylate	9.219	41	57925	20.084	ug/l		95
49) 1,4-Dioxane	9.231	88	12765	395.397	ug/l		94
51) 4-Methyl-2-Pentanone	10.000	43	306425	100.507	ug/l		96
52) Toluene	10.170	92	261214	20.131	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	126660	19.978	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	147856	20.114	ug/l		94
55) 1,1,2-Trichloroethane	10.573	97	71287	20.147	ug/l		98
56) Ethyl methacrylate	10.438	69	94387	19.827	ug/l		95
57) 1,3-Dichloropropane	10.719	76	122400	19.827	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	234078	103.352	ug/l		98
59) 2-Hexanone	10.762	43	215607	104.017	ug/l		98
60) Dibromochloromethane	10.908	129	90992	19.909	ug/l		96
61) 1,2-Dibromoethane	11.018	107	65204	19.693	ug/l		97
64) Tetrachloroethene	10.646	164	121528	20.653	ug/l		97
65) Chlorobenzene	11.438	112	276891	20.231	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	91745	19.791	ug/l		99
67) Ethyl Benzene	11.518	91	486832	20.244	ug/l		100
68) m/p-Xylenes	11.627	106	371196	39.931	ug/l		99
69) o-Xylene	11.957	106	173753	19.837	ug/l		99
70) Styrene	11.969	104	290652	19.810	ug/l		99
71) Bromoform	12.133	173	48280	18.704	ug/l	#	96
73) Isopropylbenzene	12.255	105	456600	21.180	ug/l		100
74) N-amyl acetate	12.072	43	103202	21.327	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	71988	20.719	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	66901m	22.481	ug/l		
77) Bromobenzene	12.530	156	100718	20.612	ug/l		99
78) n-propylbenzene	12.597	91	549537	21.113	ug/l		98
79) 2-Chlorotoluene	12.676	91	308974	21.011	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	361474	20.771	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	24625	20.905	ug/l		98
82) 4-Chlorotoluene	12.773	91	318085	20.593	ug/l		100
83) tert-Butylbenzene	12.993	119	323383	21.070	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	363709	20.875	ug/l		98
85) sec-Butylbenzene	13.176	105	487486	21.110	ug/l		99
86) p-Isopropyltoluene	13.292	119	396055	20.610	ug/l		100
87) 1,3-Dichlorobenzene	13.286	146	202705	20.655	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	196300	20.137	ug/l		98
89) n-Butylbenzene	13.615	91	375321	20.763	ug/l		100
90) Hexachloroethane	13.877	117	79334	20.728	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	172751	19.975	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11922	20.234	ug/l		95
93) 1,2,4-Trichlorobenzene	14.919	180	94290	19.310	ug/l		97
94) Hexachlorobutadiene	15.023	225	54517	19.744	ug/l		98
95) Naphthalene	15.139	128	166882	18.899	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	78871	18.692	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022841.D
Acq On : 26 Jun 2025 11:32
Operator : SY/MD
Sample : VY0626SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

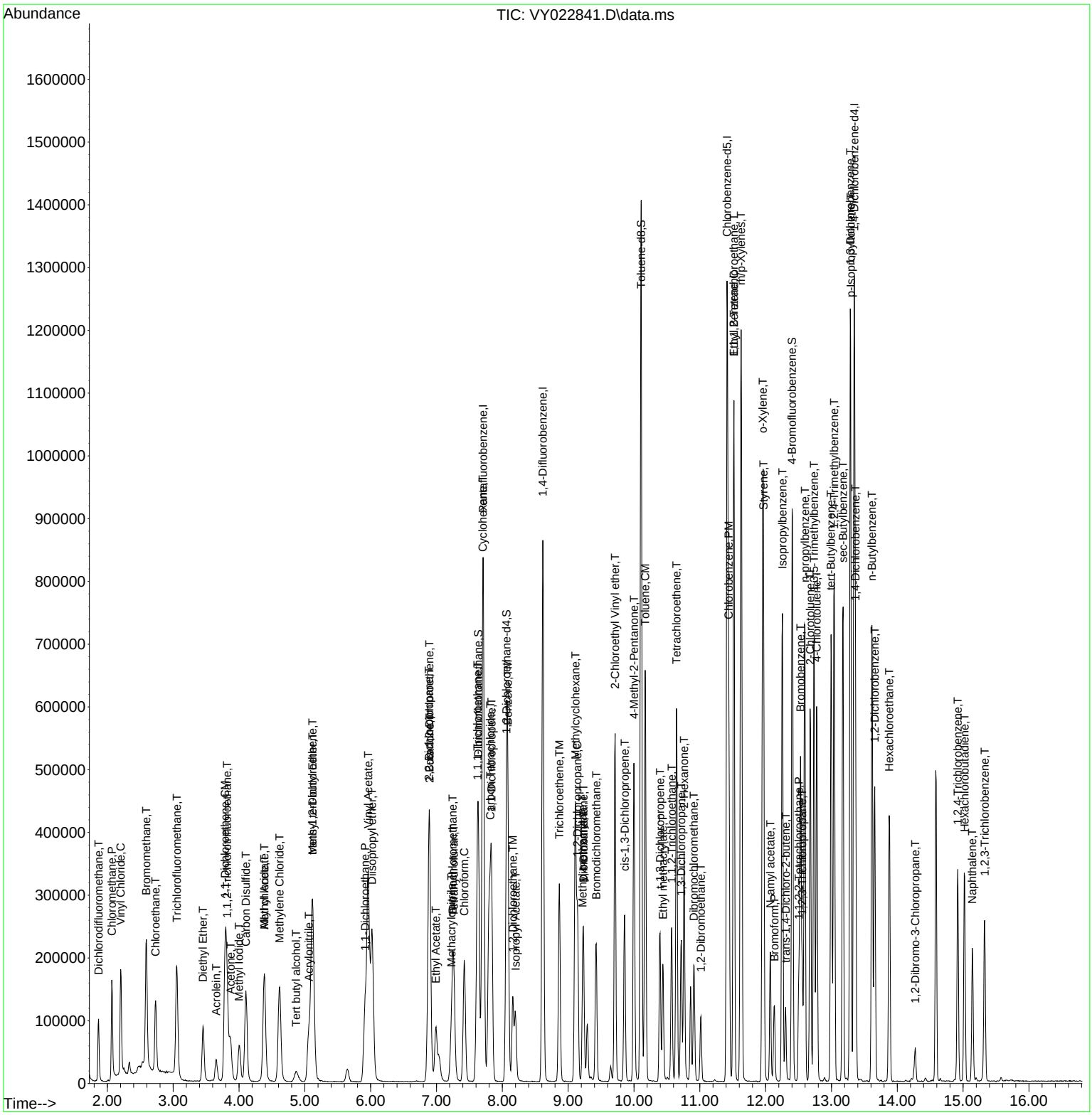
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022841.D
Acq On : 26 Jun 2025 11:32
Operator : SY/MD
Sample : VY0626SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	vx061725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX046718.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:26:54 PM	MMDadoda	6/18/2025 6:21:14 PM	Peak Integrated by Software
VSTDICC020	VX046719.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:04 PM	MMDadoda	6/18/2025 6:21:20 PM	Peak Integrated by Software
VSTDICCC050	VX046720.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:12 PM	MMDadoda	6/18/2025 6:21:32 PM	Peak Integrated by Software
VSTDICC100	VX046721.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:20 PM	MMDadoda	6/18/2025 6:21:40 PM	Peak Integrated by Software
VSTDICC150	VX046722.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:27 PM	MMDadoda	6/18/2025 6:21:48 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	1,4-Dichlorobenzene	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	2,2-Dichloropropane	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Chloroform	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Ethyl Acetate	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Methacrylonitrile	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICV050	VX046726.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:47 PM	MMDadoda	6/18/2025 6:22:09 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx061725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VX062325	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046804.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:17 AM	Sam	6/24/2025 8:28:14 AM	Peak Integrated by Software
VX0623MBS01	VX046807.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:20 AM	Sam	6/24/2025 8:28:16 AM	Peak Integrated by Software
VSTDCCC050	VX046826.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:30 AM	Sam	6/24/2025 8:28:25 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY062325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022776.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC005	VY022776.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	Methacrylonitrile	MMDadoda	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICCC050	VY022779.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:00 AM	Sam	6/24/2025 8:27:51 AM	Peak Integrated by Software
VSTDICC100	VY022780.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:59 AM	Sam	6/24/2025 8:27:52 AM	Peak Integrated by Software
VSTDICC150	VY022781.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:53 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VY062625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022838.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:03 AM	Sam	6/27/2025 10:50:46 AM	Peak Integrated by Software
VY0626SBS01	VY022840.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:11 AM	Sam	6/27/2025 10:50:52 AM	Peak Integrated by Software
VY0626SBS01	VY022840.D	Methacrylonitrile	MMDadoda	6/27/2025 10:45:11 AM	Sam	6/27/2025 10:50:52 AM	Peak Integrated by Software
VY0626SBSD01	VY022841.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:17 AM	Sam	6/27/2025 10:50:58 AM	Peak Integrated by Software
VY0626SBSD01	VY022841.D	Methacrylonitrile	MMDadoda	6/27/2025 10:45:17 AM	Sam	6/27/2025 10:50:58 AM	Peak Integrated by Software
VSTDCCC050	VY022850.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:37 AM	Sam	6/27/2025 10:51:20 AM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 5:28:16 PM		
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:22:48 PM		
SubDirectory	VX061725	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134389
Initial Calibration Stds	VP134390,VP134391,VP134392,VP134393,VP134394,VP134395
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134396
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046715.D	17 Jun 2025 08:46	JC/MD	Ok
2	VSTDICC001	VX046716.D	17 Jun 2025 10:09	JC/MD	Not Ok
3	VSTDICC001	VX046717.D	17 Jun 2025 10:58	JC/MD	ReRun
4	VSTDICC005	VX046718.D	17 Jun 2025 11:19	JC/MD	Ok,M
5	VSTDICC020	VX046719.D	17 Jun 2025 13:59	JC/MD	Ok,M
6	VSTDICCC050	VX046720.D	17 Jun 2025 14:20	JC/MD	Ok,M
7	VSTDICC100	VX046721.D	17 Jun 2025 14:41	JC/MD	Ok,M
8	VSTDICC150	VX046722.D	17 Jun 2025 15:02	JC/MD	Ok,M
9	IBLK	VX046723.D	17 Jun 2025 15:23	JC/MD	Ok
10	VSTDICC001	VX046724.D	17 Jun 2025 16:20	JC/MD	Not Ok
11	VSTDICC001	VX046725.D	17 Jun 2025 17:18	JC/MD	Ok,M
12	VSTDICV050	VX046726.D	17 Jun 2025 18:00	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:19 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM		
SubDirectory	VX062325	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134474
Initial Calibration Stds	
CCC	VP134475,VP134476
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046803.D	23 Jun 2025 08:05	JC/MD	Ok
2	VSTDCCC050	VX046804.D	23 Jun 2025 09:03	JC/MD	Ok,M
3	VX0623MBL01	VX046805.D	23 Jun 2025 09:31	JC/MD	Ok
4	VX0623WBL01	VX046806.D	23 Jun 2025 09:52	JC/MD	Ok
5	VX0623MBS01	VX046807.D	23 Jun 2025 10:13	JC/MD	Ok,M
6	VX0623MBSD01	VX046808.D	23 Jun 2025 10:40	JC/MD	Ok,M
7	Q2355-01	VX046809.D	23 Jun 2025 11:01	JC/MD	Ok
8	Q2354-01	VX046810.D	23 Jun 2025 11:22	JC/MD	Not Ok
9	IBLK	VX046811.D	23 Jun 2025 11:43	JC/MD	Ok
10	VX0623WBS01	VX046812.D	23 Jun 2025 12:04	JC/MD	Ok,M
11	VX0623WBSD01	VX046813.D	23 Jun 2025 12:42	JC/MD	Ok,M
12	Q2354-01	VX046814.D	23 Jun 2025 13:03	JC/MD	Ok,M
13	IBLK	VX046815.D	23 Jun 2025 13:24	JC/MD	Ok
14	IBLK	VX046816.D	23 Jun 2025 13:46	JC/MD	Ok
15	Q2371-06	VX046817.D	23 Jun 2025 14:07	JC/MD	Not Ok
16	Q2371-05	VX046818.D	23 Jun 2025 14:28	JC/MD	Dilution
17	Q2371-04	VX046819.D	23 Jun 2025 14:50	JC/MD	Dilution
18	IBLK	VX046820.D	23 Jun 2025 15:11	JC/MD	Ok
19	IBLK	VX046821.D	23 Jun 2025 15:33	JC/MD	Ok
20	IBLK	VX046822.D	23 Jun 2025 15:55	JC/MD	Ok
21	Q2371-06	VX046823.D	23 Jun 2025 16:16	JC/MD	Not Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:19 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM		
SubDirectory	VX062325	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134474
Initial Calibration Stds	
CCC	VP134475,VP134476
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2371-04DL	VX046824.D	23 Jun 2025 16:38	JC/MD	Ok
23	Q2371-05DL	VX046825.D	23 Jun 2025 16:59	JC/MD	Ok
24	VSTDCCC050	VX046826.D	23 Jun 2025 17:20	JC/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022775.D	23 Jun 2025 10:17	SY/MD	Ok
2	VSTDICC005	VY022776.D	23 Jun 2025 13:38	SY/MD	Ok,M
3	VSTDICC010	VY022777.D	23 Jun 2025 14:00	SY/MD	Ok,M
4	VSTDICC020	VY022778.D	23 Jun 2025 14:23	SY/MD	Ok,M
5	VSTDICCC050	VY022779.D	23 Jun 2025 14:46	SY/MD	Ok,M
6	VSTDICC100	VY022780.D	23 Jun 2025 15:08	SY/MD	Ok,M
7	VSTDICC150	VY022781.D	23 Jun 2025 15:31	SY/MD	Ok,M
8	VIBLK	VY022782.D	23 Jun 2025 15:54	SY/MD	Ok
9	VSTDICV050	VY022783.D	23 Jun 2025 16:17	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062625

Review By	Mahesh Dadoda	Review On	6/27/2025 10:46:03 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/27/2025 10:51:29 AM		
SubDirectory	VY062625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134542
Initial Calibration Stds	
CCC	VP134543,VP134544
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022837.D	26 Jun 2025 08:22	SY/MD	Ok
2	VSTDCCC050	VY022838.D	26 Jun 2025 10:07	SY/MD	Ok,M
3	VY0626SBL01	VY022839.D	26 Jun 2025 10:39	SY/MD	Ok
4	VY0626SBS01	VY022840.D	26 Jun 2025 11:09	SY/MD	Ok,M
5	VY0626SBSD01	VY022841.D	26 Jun 2025 11:32	SY/MD	Ok,M
6	Q2419-01	VY022842.D	26 Jun 2025 12:10	SY/MD	ReRun
7	Q2405-03RE	VY022843.D	26 Jun 2025 12:33	SY/MD	Confirms
8	Q2413-01	VY022844.D	26 Jun 2025 12:56	SY/MD	Ok
9	Q2413-06	VY022845.D	26 Jun 2025 13:20	SY/MD	Ok
10	Q2371-06	VY022846.D	26 Jun 2025 13:43	SY/MD	Ok
11	Q2419-01RE	VY022847.D	26 Jun 2025 14:07	SY/MD	Confirms
12	Q2429-03	VY022848.D	26 Jun 2025 14:30	SY/MD	Ok
13	Q2430-03	VY022849.D	26 Jun 2025 14:54	SY/MD	Ok
14	VSTDCCC050	VY022850.D	26 Jun 2025 15:19	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 5:28:16 PM		
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:22:48 PM		
SubDirectory	VX061725	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134389
Initial Calibration Stds	VP134390,VP134391,VP134392,VP134393,VP134394,VP134395
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134396
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046715.D	17 Jun 2025 08:46		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046716.D	17 Jun 2025 10:09	RRF check	JC/MD	Not Ok
3	VSTDICC001	VSTDICC001	VX046717.D	17 Jun 2025 10:58	low response	JC/MD	ReRun
4	VSTDICC005	VSTDICC005	VX046718.D	17 Jun 2025 11:19		JC/MD	Ok,M
5	VSTDICC020	VSTDICC020	VX046719.D	17 Jun 2025 13:59	LR- 10,49	JC/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VX046720.D	17 Jun 2025 14:20		JC/MD	Ok,M
7	VSTDICC100	VSTDICC100	VX046721.D	17 Jun 2025 14:41		JC/MD	Ok,M
8	VSTDICC150	VSTDICC150	VX046722.D	17 Jun 2025 15:02		JC/MD	Ok,M
9	IBLK	IBLK	VX046723.D	17 Jun 2025 15:23		JC/MD	Ok
10	VSTDICC001	VSTDICC001	VX046724.D	17 Jun 2025 16:20	spike error	JC/MD	Not Ok
11	VSTDICC001	VSTDICC001	VX046725.D	17 Jun 2025 17:18		JC/MD	Ok,M
12	VSTDICV050	ICVVX061725	VX046726.D	17 Jun 2025 18:00		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:19 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM		
SubDirectory	VX062325	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134474
Initial Calibration Stds	
CCC	VP134475,VP134476
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046803.D	23 Jun 2025 08:05		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046804.D	23 Jun 2025 09:03		JC/MD	Ok,M
3	VX0623MBL01	VX0623MBL01	VX046805.D	23 Jun 2025 09:31		JC/MD	Ok
4	VX0623WBL01	VX0623WBL01	VX046806.D	23 Jun 2025 09:52		JC/MD	Ok
5	VX0623MBS01	VX0623MBS01	VX046807.D	23 Jun 2025 10:13		JC/MD	Ok,M
6	VX0623MBSD01	VX0623MBSD01	VX046808.D	23 Jun 2025 10:40		JC/MD	Ok,M
7	Q2355-01	3897	VX046809.D	23 Jun 2025 11:01	cloth material	JC/MD	Ok
8	Q2354-01	3321	VX046810.D	23 Jun 2025 11:22	Need Straight Run	JC/MD	Not Ok
9	IBLK	IBLK	VX046811.D	23 Jun 2025 11:43		JC/MD	Ok
10	VX0623WBS01	VX0623WBS01	VX046812.D	23 Jun 2025 12:04		JC/MD	Ok,M
11	VX0623WBSD01	VX0623WBSD01	VX046813.D	23 Jun 2025 12:42		JC/MD	Ok,M
12	Q2354-01	3321	VX046814.D	23 Jun 2025 13:03		JC/MD	Ok,M
13	IBLK	IBLK	VX046815.D	23 Jun 2025 13:24		JC/MD	Ok
14	IBLK	IBLK	VX046816.D	23 Jun 2025 13:46		JC/MD	Ok
15	Q2371-06	GBUFF1	VX046817.D	23 Jun 2025 14:07	Need Straight Run	JC/MD	Not Ok
16	Q2371-05	BBX42025	VX046818.D	23 Jun 2025 14:28	Need 2500X	JC/MD	Dilution
17	Q2371-04	RPXY42025	VX046819.D	23 Jun 2025 14:50	Need 800X	JC/MD	Dilution
18	IBLK	IBLK	VX046820.D	23 Jun 2025 15:11		JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:19 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM		
SubDirectory	VX062325	HP Acquire Method		HP Processing Method	82X061725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134474
Initial Calibration Stds	
CCC	VP134475,VP134476
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	IBLK	IBLK	VX046821.D	23 Jun 2025 15:33		JC/MD	Ok
20	IBLK	IBLK	VX046822.D	23 Jun 2025 15:55		JC/MD	Ok
21	Q2371-06	GBUFF1	VX046823.D	23 Jun 2025 16:16	need low level soil	JC/MD	Not Ok
22	Q2371-04DL	RPXY42025DL	VX046824.D	23 Jun 2025 16:38		JC/MD	Ok
23	Q2371-05DL	BBX42025DL	VX046825.D	23 Jun 2025 16:59		JC/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VX046826.D	23 Jun 2025 17:20		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022775.D	23 Jun 2025 10:17		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022776.D	23 Jun 2025 13:38	LR- 58	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022777.D	23 Jun 2025 14:00		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022778.D	23 Jun 2025 14:23		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022779.D	23 Jun 2025 14:46		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022780.D	23 Jun 2025 15:08		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022781.D	23 Jun 2025 15:31		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022782.D	23 Jun 2025 15:54		SY/MD	Ok
9	VSTDICV050	ICVVY062325	VY022783.D	23 Jun 2025 16:17		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062625

Review By	Mahesh Dadoda	Review On	6/27/2025 10:46:03 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/27/2025 10:51:29 AM		
SubDirectory	VY062625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134542
Initial Calibration Stds	
CCC	VP134543,VP134544
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022837.D	26 Jun 2025 08:22		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022838.D	26 Jun 2025 10:07		SY/MD	Ok,M
3	VY0626SBL01	VY0626SBL01	VY022839.D	26 Jun 2025 10:39		SY/MD	Ok
4	VY0626SBS01	VY0626SBS01	VY022840.D	26 Jun 2025 11:09		SY/MD	Ok,M
5	VY0626SBSD01	VY0626SBSD01	VY022841.D	26 Jun 2025 11:32		SY/MD	Ok,M
6	Q2419-01	EO-3-6-25-2025	VY022842.D	26 Jun 2025 12:10	vial-A Internal Standard Fail	SY/MD	ReRun
7	Q2405-03RE	MH-M/N-VOCRE	VY022843.D	26 Jun 2025 12:33	vial-B Internal Standard Fail	SY/MD	Confirms
8	Q2413-01	TP-35	VY022844.D	26 Jun 2025 12:56	vial-B	SY/MD	Ok
9	Q2413-06	TP-72	VY022845.D	26 Jun 2025 13:20	vial-B	SY/MD	Ok
10	Q2371-06	GBUFF1	VY022846.D	26 Jun 2025 13:43	vial-A	SY/MD	Ok
11	Q2419-01RE	EO-3-6-25-2025RE	VY022847.D	26 Jun 2025 14:07	vial-B Internal Standard Fail	SY/MD	Confirms
12	Q2429-03	TP-4-VOC	VY022848.D	26 Jun 2025 14:30	vial-A	SY/MD	Ok
13	Q2430-03	MH-E/F-VOC	VY022849.D	26 Jun 2025 14:54	vial-A	SY/MD	Ok
14	VSTDCCC050	VSTDCCC050EC	VY022850.D	26 Jun 2025 15:19		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2371	**OrderDate:**	6/19/2025 2:53:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2371-04	**RPXY42025**	**SOIL**			**06/19/25**			**06/19/25**
			VOC-TCLVOA-10	8260D			06/23/25	
Q2371-04DL	**RPXY42025DL**	**SOIL**			**06/19/25**			**06/19/25**
			VOC-TCLVOA-10	8260D			06/23/25	
Q2371-05	**BBX42025**	**SOIL**			**06/19/25**			**06/19/25**
			VOC-TCLVOA-10	8260D			06/23/25	
Q2371-05DL	**BBX42025DL**	**SOIL**			**06/19/25**			**06/19/25**
			VOC-TCLVOA-10	8260D			06/23/25	
Q2371-06	**GBUFF1**	**SOIL**			**06/19/25**			**06/19/25**
			VOC-TCLVOA-10	8260D			06/23/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2371 **Order ID:** Q2371

Client: G Environmental **Project ID:** Buff

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : RPXY42025								
Q2371-04	RPXY42025	SOIL	Iron	11000		3.96	4.97	mg/Kg
Q2371-04	RPXY42025	SOIL	Manganese	253		0.14	0.99	mg/Kg
Q2371-04	RPXY42025	SOIL	Sodium	403		17.7	99.3	mg/Kg
Client ID : BBX42025								
Q2371-05	BBX42025	SOIL	Iron	11900		4.01	5.02	mg/Kg
Q2371-05	BBX42025	SOIL	Manganese	185		0.14	1.00	mg/Kg
Q2371-05	BBX42025	SOIL	Sodium	50.8	J	17.9	100	mg/Kg

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	11000		1	3.96	4.97	mg/Kg	06/20/25 10:05	06/23/25 17:41	6010D	SW3050
7439-96-5	Manganese	253	N*	1	0.14	0.99	mg/Kg	06/20/25 10:05	06/23/25 17:41	6010D	SW3050
7440-23-5	Sodium	403	N	1	17.7	99.3	mg/Kg	06/20/25 10:05	06/23/25 17:41	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	11900		1	4.01	5.02	mg/Kg	06/20/25 10:05	06/23/25 17:54	6010D	SW3050
7439-96-5	Manganese	185	N*	1	0.14	1.00	mg/Kg	06/20/25 10:05	06/23/25 17:54	6010D	SW3050
7440-23-5	Sodium	50.8	JN	1	17.9	100	mg/Kg	06/20/25 10:05	06/23/25 17:54	6010D	SW3050

Color Before:	Brown	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	23.4	+/-50	U	100	P	06/23/2025	13:19	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	13:19	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	13:19	LB136236

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	23.4	+/-50	U	100	P	06/23/2025	14:05	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	14:05	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	14:05	LB136236
CCB02	Iron	23.4	+/-50	U	100	P	06/23/2025	14:58	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	14:58	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	14:58	LB136236
CCB03	Iron	23.4	+/-50	U	100	P	06/23/2025	15:52	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	15:52	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	15:52	LB136236
CCB04	Iron	23.4	+/-50	U	100	P	06/23/2025	16:56	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	16:56	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	16:56	LB136236
CCB05	Iron	23.4	+/-50	U	100	P	06/23/2025	17:49	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	17:49	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	17:49	LB136236
CCB06	Iron	23.4	+/-50	U	100	P	06/23/2025	18:43	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	18:43	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	18:43	LB136236
CCB07	Iron	23.4	+/-50	U	100	P	06/23/2025	19:28	LB136236
	Manganese	5.94	+/-10	U	20.0	P	06/23/2025	19:28	LB136236
	Sodium	868	+/-1000	U	2000	P	06/23/2025	19:28	LB136236

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2371

Instrument: P5

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168564BL		**SOLID**		**Batch Number:**	**PB168564**		**Prep Date:**	**06/20/2025**	
	Iron	3.99	<2.5	U	5.00	P	06/23/2025	15:11	LB136236
	Manganese	0.14	<0.5	U	1.00	P	06/23/2025	15:11	LB136236
	Sodium	17.8	<50	U	100	P	06/23/2025	15:11	LB136236

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	3920	4000	98	90 - 110	P	06/23/2025	12:34	LB136236
	Manganese	1960	2000	98	90 - 110	P	06/23/2025	12:34	LB136236
	Sodium	20000	20000	100	90 - 110	P	06/23/2025	12:34	LB136236

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	102	100	102	80 - 120	P	06/23/2025	13:09	LB136236
	Manganese	20.2	20.0	101	80 - 120	P	06/23/2025	13:09	LB136236
	Sodium	1890	2000	94	80 - 120	P	06/23/2025	13:09	LB136236

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Fax : 908 789 8922

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4900	5000	98	90 - 110	P	06/23/2025	13:56	LB136236
	Manganese	2450	2500	98	90 - 110	P	06/23/2025	13:56	LB136236
	Sodium	24500	25000	98	90 - 110	P	06/23/2025	13:56	LB136236
CCV02	Iron	4910	5000	98	90 - 110	P	06/23/2025	14:54	LB136236
	Manganese	2470	2500	99	90 - 110	P	06/23/2025	14:54	LB136236
	Sodium	24100	25000	96	90 - 110	P	06/23/2025	14:54	LB136236
CCV03	Iron	4960	5000	99	90 - 110	P	06/23/2025	15:47	LB136236
	Manganese	2500	2500	100	90 - 110	P	06/23/2025	15:47	LB136236
	Sodium	24700	25000	99	90 - 110	P	06/23/2025	15:47	LB136236
CCV04	Iron	4900	5000	98	90 - 110	P	06/23/2025	16:51	LB136236
	Manganese	2490	2500	100	90 - 110	P	06/23/2025	16:51	LB136236
	Sodium	24800	25000	99	90 - 110	P	06/23/2025	16:51	LB136236
CCV05	Iron	4880	5000	98	90 - 110	P	06/23/2025	17:45	LB136236
	Manganese	2470	2500	99	90 - 110	P	06/23/2025	17:45	LB136236
	Sodium	25000	25000	100	90 - 110	P	06/23/2025	17:45	LB136236
CCV06	Iron	4860	5000	97	90 - 110	P	06/23/2025	18:39	LB136236
	Manganese	2450	2500	98	90 - 110	P	06/23/2025	18:39	LB136236
	Sodium	25000	25000	100	90 - 110	P	06/23/2025	18:39	LB136236
CCV07	Iron	4880	5000	98	90 - 110	P	06/23/2025	19:24	LB136236
	Manganese	2440	2500	98	90 - 110	P	06/23/2025	19:24	LB136236
	Sodium	25300	25000	101	90 - 110	P	06/23/2025	19:24	LB136236

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	94.8	100	95	65 - 135	P	06/23/2025	13:23	LB136236
	Manganese	20.4	20.0	102	65 - 135	P	06/23/2025	13:23	LB136236
	Sodium	1870	2000	93	65 - 135	P	06/23/2025	13:23	LB136236

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

ICS Source: EPA **Instrument ID:** P5

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	98400	100000	98	85600	116500	06/23/2025	13:27	LB136236
	Manganese	4.76	7.0	68	-13	27	06/23/2025	13:27	LB136236
	Sodium	196			0	0	06/23/2025	13:27	LB136236
ICSAB01	Iron	96200	99000	97	84400	114500	06/23/2025	13:43	LB136236
	Manganese	486	510	95	430	584	06/23/2025	13:43	LB136236
	Sodium	192			0	0	06/23/2025	13:43	LB136236

METAL QC DATA

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metals
- 5a -
MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2371

contract: GENV01 **lab code:** CHEM **case no.:** Q2371 **sas no.:** Q2371

matrix: Solid **sample id:** Q2364-02 **client id:** GAV1BMS

Percent Solids for Sample: 85.5 **Spiked ID:** Q2364-02MS **Percent Solids for Spike Sample:** 85.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	mg/Kg	75 - 125	4830		5660		150	-544		P
Manganese	mg/Kg	75 - 125	36.7		40.5		10.3	-36	N	P
Sodium	mg/Kg	75 - 125	213		111		150	66	N	P

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metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2371

contract: GENV01 **lab code:** CHEM **case no.:** Q2371 **sas no.:** Q2371

matrix: Solid **sample id:** Q2364-02 **client id:** GAV1BMSD

Percent Solids for Sample: 85.5 **Spiked ID:** Q2364-02MSD **Percent Solids for Spike Sample:** 85.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	mg/Kg	75 - 125	4990		5660		150	-463		P
Manganese	mg/Kg	75 - 125	39.7		40.5		9.7	-8		P
Sodium	mg/Kg	75 - 125	200		111		150	61	N	P

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Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Matrix: Solid **Level:** LOW **Client ID:** GAV1BA

Sample ID: Q2364-02 **Spiked ID:** Q2364-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Manganese	mg/Kg	75 - 125	48.0		40.5		10.4	73	N	P
Sodium	mg/Kg	75 - 125	233		111		160	76		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Matrix: Solid **Sample ID:** Q2364-02 **Client ID:** GAV1BDUP

Percent Solids for Sample: 85.5 **Duplicate ID** Q2364-02DUP **Percent Solids for Spike Sample:** 85.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	mg/Kg	20	5660		4870		15		P
Manganese	mg/Kg	20	40.5		31.8		24	*	P
Sodium	mg/Kg	20	111		70.0	J	45		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Matrix: Solid **Sample ID:** Q2364-02MS **Client ID:** GAV1BMSD

Percent Solids for Sample: 85.5 **Duplicate ID** Q2364-02MSD **Percent Solids for Spike Sample:** 85.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	mg/Kg	20	4830		4990		3		P
Manganese	mg/Kg	20	36.7		39.7		8		P
Sodium	mg/Kg	20	213		200		6		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168564BS							
Iron	mg/Kg	150	155		103	80 - 120	P
Manganese	mg/Kg	10.0	10.2		102	80 - 120	P
Sodium	mg/Kg	150	142		95	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

GAV1BL

Lab Name: Chemtech Consulting Group **Contract:** GENV01

Lab Code: CHEM **Lb No.:** lb136236 **Lab Sample ID :** Q2364-02L **SDG No.:** Q2371

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	5660		6200		10		P
Manganese	40.5		44.7		11		P
Sodium	111		123	J	11		P

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: CHEM **Case no.:** Q2371 **Sas no.:** Q2371 **Sdg no.:** Q2371

Instrument id number: **Method:** **Run number:** LB136236

Start date: 06/23/2025 **End date:** 06/23/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1153	Fe,Mn,Na
S1	S1	1	1158	Fe,Mn,Na
S2	S2	1	1202	Fe,Mn,Na
S3	S3	1	1207	Fe,Mn,Na
S4	S4	1	1211	Fe,Mn,Na
S5	S5	1	1215	Fe,Mn,Na
ICV01	ICV01	1	1234	Fe,Mn,Na
LLICV01	LLICV01	1	1309	Fe,Mn,Na
ICB01	ICB01	1	1319	Fe,Mn,Na
CRI01	CRI01	1	1323	Fe,Mn,Na
ICSA01	ICSA01	1	1327	Fe,Mn,Na
ICSAB01	ICSAB01	1	1343	Fe,Mn,Na
CCV01	CCV01	1	1356	Fe,Mn,Na
CCB01	CCB01	1	1405	Fe,Mn,Na
CCV02	CCV02	1	1454	Fe,Mn,Na
CCB02	CCB02	1	1458	Fe,Mn,Na
PB168564BL	PB168564BL	1	1511	Fe,Mn,Na
PB168564BS	PB168564BS	1	1516	Fe,Mn,Na
CCV03	CCV03	1	1547	Fe,Mn,Na
CCB03	CCB03	1	1552	Fe,Mn,Na
CCV04	CCV04	1	1651	Fe,Mn,Na
CCB04	CCB04	1	1656	Fe,Mn,Na
Q2364-02DUP	GAV1BDUP	1	1701	Fe,Mn,Na
Q2364-02L	GAV1BL	5	1706	Fe,Mn,Na
Q2364-02MS	GAV1BMS	1	1710	Fe,Mn,Na
Q2364-02MSD	GAV1BMSD	1	1714	Fe,Mn,Na
Q2364-02A	GAV1BA	1	1719	Mn,Na
Q2371-04	RPXY42025	1	1741	Fe,Mn,Na
CCV05	CCV05	1	1745	Fe,Mn,Na
CCB05	CCB05	1	1749	Fe,Mn,Na
Q2371-05	BBX42025	1	1754	Fe,Mn,Na
CCV06	CCV06	1	1839	Fe,Mn,Na
CCB06	CCB06	1	1843	Fe,Mn,Na
CCV07	CCV07	1	1924	Fe,Mn,Na
CCB07	CCB07	1	1928	Fe,Mn,Na

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Case No.:** Q2371 **SAS No.:** Q2371

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q2371	**OrderDate:**	6/19/2025 2:53:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2371-04	**RPXY42025**	**SOIL**			**06/19/25**			**06/19/25**
			Metals Group4	6010D		06/20/25	06/23/25	
Q2371-05	**BBX42025**	**SOIL**			**06/19/25**			**06/19/25**
			Metals Group4	6010D		06/20/25	06/23/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q2371

Contract: GENV01 **Lab Code:** CHEM **Method:**

Case No.: Q2371 **SAS No.:** Q2371

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB168564**						
PB168564BL	PB168564BL	MB	SOLID	06/20/2025	2.00	100.0	100.00
PB168564BS	PB168564BS	LCS	SOLID	06/20/2025	2.00	100.0	100.00
Q2364-02DUP	GAV1BDUP	DUP	SOLID	06/20/2025	2.44	100.0	85.50
Q2364-02MS	GAV1BMS	MS	SOLID	06/20/2025	2.28	100.0	85.50
Q2364-02MSD	GAV1BMSD	MSD	SOLID	06/20/2025	2.40	100.0	85.50
Q2371-04	RPXY42025	SAM	SOLID	06/20/2025	2.25	100.0	89.50
Q2371-05	BBX42025	SAM	SOLID	06/20/2025	2.30	100.0	86.60

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136236

Review By	jaswal	Review On	6/24/2025 4:50:49 AM
Supervise By	Janvi	Supervise On	6/24/2025 9:15:41 AM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872,MP85897
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/23/25 11:53		Jaswal	OK
2	S1	S1	CAL2	06/23/25 11:58		Jaswal	OK
3	S2	S2	CAL3	06/23/25 12:02		Jaswal	OK
4	S3	S3	CAL4	06/23/25 12:07		Jaswal	OK
5	S4	S4	CAL5	06/23/25 12:11		Jaswal	OK
6	S5	S5	CAL6	06/23/25 12:15		Jaswal	OK
7	ICV01	ICV01	ICV	06/23/25 12:34		Jaswal	OK
8	LLICV01	LLICV01	LLICV	06/23/25 13:09		Jaswal	OK
9	ICB01	ICB01	ICB	06/23/25 13:19		Jaswal	OK
10	CRI01	CRI01	CRDL	06/23/25 13:23		Jaswal	OK
11	ICSA01	ICSA01	ICSA	06/23/25 13:27		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	06/23/25 13:43		Jaswal	OK
13	ICSADL	ICSADL	ICSA	06/23/25 13:47		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	06/23/25 13:52		Jaswal	OK
15	CCV01	CCV01	CCV	06/23/25 13:56		Jaswal	OK
16	CCB01	CCB01	CCB	06/23/25 14:05		Jaswal	OK
17	Q2347-01	TP-10	SAM	06/23/25 14:09		Jaswal	OK
18	Q2354-01	3321	SAM	06/23/25 14:14		Jaswal	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136236

Review By	jaswal	Review On	6/24/2025 4:50:49 AM
Supervise By	Janvi	Supervise On	6/24/2025 9:15:41 AM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872,MP85897
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

19	Q2355-01	3897	SAM	06/23/25 14:18		Jaswal	OK
20	Q2355-03	20071	SAM	06/23/25 14:22		Jaswal	OK
21	PB168553BL	PB168553BL	MB	06/23/25 14:27		Jaswal	OK
22	PB168553BS	PB168553BS	LCS	06/23/25 14:31		Jaswal	OK
23	PB168535BL	PB168535BL	MB	06/23/25 14:36		Jaswal	OK
24	PB168535BS	PB168535BS	LCS	06/23/25 14:40		Jaswal	OK
25	PB168514TB	PB168514TB	MB	06/23/25 14:44		Jaswal	OK
26	PB168544TB	PB168544TB	MB	06/23/25 14:49		Jaswal	OK
27	CCV02	CCV02	CCV	06/23/25 14:54		Jaswal	OK
28	CCB02	CCB02	CCB	06/23/25 14:58		Jaswal	OK
29	PB168565BL	PB168565BL	MB	06/23/25 15:02		Jaswal	OK
30	PB168565BS	PB168565BS	LCS	06/23/25 15:07		Jaswal	OK
31	PB168564BL	PB168564BL	MB	06/23/25 15:11		Jaswal	OK
32	PB168564BS	PB168564BS	LCS	06/23/25 15:16		Jaswal	OK
33	Q2354-02	3321	SAM	06/23/25 15:20		Jaswal	OK
34	Q2355-02	3897	SAM	06/23/25 15:25		Jaswal	OK
35	Q2362-04	TP-11	SAM	06/23/25 15:29		Jaswal	OK
36	Q2362-08	EP-6	SAM	06/23/25 15:34		Jaswal	OK
37	Q2367-04	EP-4	SAM	06/23/25 15:38		Jaswal	OK
38	Q2367-08	EP-5	SAM	06/23/25 15:43		Jaswal	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136236

Review By	jaswal	Review On	6/24/2025 4:50:49 AM
Supervise By	Janvi	Supervise On	6/24/2025 9:15:41 AM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872,MP85897
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

39	CCV03	CCV03	CCV	06/23/25 15:47		Jaswal	OK
40	CCB03	CCB03	CCB	06/23/25 15:52		Jaswal	OK
41	Q2367-08DUP	EP-5DUP	DUP	06/23/25 15:57		Jaswal	OK
42	Q2367-08L	EP-5L	SD	06/23/25 16:02		Jaswal	OK
43	Q2367-08MS	EP-5MS	MS	06/23/25 16:06		Jaswal	OK
44	Q2367-08MSD	EP-5MSD	MSD	06/23/25 16:11		Jaswal	OK
45	Q2367-08A	EP-5A	PS	06/23/25 16:15		Jaswal	OK
46	Q2362-01	TP-11	SAM	06/23/25 16:20		Jaswal	OK
47	Q2362-05	EP-6	SAM	06/23/25 16:24		Jaswal	OK
48	Q2363-01	GCAP1	SAM	06/23/25 16:28		Jaswal	OK
49	Q2364-01	GAV1A	SAM	06/23/25 16:33		Jaswal	OK
50	Q2364-02	GAV1B	SAM	06/23/25 16:37		Jaswal	OK
51	CCV04	CCV04	CCV	06/23/25 16:51		Jaswal	OK
52	CCB04	CCB04	CCB	06/23/25 16:56		Jaswal	OK
53	Q2364-02DUP	GAV1BDUP	DUP	06/23/25 17:01		Jaswal	OK
54	Q2364-02L	GAV1BL	SD	06/23/25 17:06		Jaswal	OK
55	Q2364-02MS	GAV1BMS	MS	06/23/25 17:10		Jaswal	OK
56	Q2364-02MSD	GAV1BMSD	MSD	06/23/25 17:14		Jaswal	OK
57	Q2364-02A	GAV1BA	PS	06/23/25 17:19		Jaswal	OK
58	Q2364-03	GAV2A	SAM	06/23/25 17:23		Jaswal	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136236

Review By	jaswal	Review On	6/24/2025 4:50:49 AM
Supervise By	Janvi	Supervise On	6/24/2025 9:15:41 AM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872,MP85897
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

59	Q2364-04	GAV2B	SAM	06/23/25 17:27	Zn high	Jaswal	Dilution
60	Q2367-01	EP-4	SAM	06/23/25 17:32		Jaswal	OK
61	Q2367-05	EP-5	SAM	06/23/25 17:36		Jaswal	OK
62	Q2371-04	RPXY42025	SAM	06/23/25 17:41		Jaswal	OK
63	CCV05	CCV05	CCV	06/23/25 17:45		Jaswal	OK
64	CCB05	CCB05	CCB	06/23/25 17:49		Jaswal	OK
65	Q2371-05	BBX42025	SAM	06/23/25 17:54		Jaswal	OK
66	PB168551BL	PB168551BL	MB	06/23/25 17:58	Not Use	Jaswal	Not Ok
67	PB168551BS	PB168551BS	LCS	06/23/25 18:03	Not Use	Jaswal	Not Ok
68	Q2351-01	FAIRLAWN-SUMP	SAM	06/23/25 18:07		Jaswal	OK
69	Q2354-05	3311	SAM	06/23/25 18:12	K oversaturated	Jaswal	Dilution
70	Q2344-01	MW-1	SAM	06/23/25 18:16		Jaswal	OK
71	Q2344-02	MW-1	SAM	06/23/25 18:20		Jaswal	OK
72	Q2344-03	MW-3	SAM	06/23/25 18:25		Jaswal	OK
73	Q2344-04	MW-3	SAM	06/23/25 18:30		Jaswal	OK
74	Q2344-05	MW-4	SAM	06/23/25 18:34		Jaswal	OK
75	CCV06	CCV06	CCV	06/23/25 18:39		Jaswal	OK
76	CCB06	CCB06	CCB	06/23/25 18:43		Jaswal	OK
77	Q2344-06	MW-4	SAM	06/23/25 18:48		Jaswal	OK
78	Q2344-07	MW-2	SAM	06/23/25 18:52		Jaswal	OK

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Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136236

Review By	jaswal	Review On	6/24/2025 4:50:49 AM
Supervise By	Janvi	Supervise On	6/24/2025 9:15:41 AM

STD. NAME	STD REF.#
ICAL Standard	MP85867,MP85897,MP85871,MP85870,MP85869,MP85868
ICV Standard	MP85872,MP85897
CCV Standard	MP85875
ICSA Standard	MP85873,MP85874
CRI Standard	MP85897
LCS Standard	
Chk Standard	MP85876,MP85877

79	Q2344-07DUP	MW-2DUP	DUP	06/23/25 18:57		Jaswal	OK
80	Q2344-07L	MW-2L	SD	06/23/25 19:02		Jaswal	OK
81	Q2344-07MS	MW-2MS	MS	06/23/25 19:06		Jaswal	OK
82	Q2344-07MSD	MW-2MSD	MSD	06/23/25 19:10		Jaswal	OK
83	Q2344-07A	MW-2A	PS	06/23/25 19:15		Jaswal	OK
84	Q2344-08	MW-2	SAM	06/23/25 19:19		Jaswal	OK
85	CCV07	CCV07	CCV	06/23/25 19:24		Jaswal	OK
86	CCB07	CCB07	CCB	06/23/25 19:28		Jaswal	OK

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB168564

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pippete ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 06/20/2025 **Time :** 10:05 **Temp :** 96 °C

End Digest Date: 06/20/2025 **Time :** 12:10 **Temp :** 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: SLS.

Supervisor Signature: JSP

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6007
LFS-2	1.00	M6015
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
CONC: HNO3	5.00	M6158
1:1 HNO3	10.00	MP84041
30% H2O2	3.00	M6162
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#2 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/20/25 13:10	SLS. met. dig	JSP Metlab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Soil/Sludge Metals Preparation Sheet

PB168564

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB168564BL	PBS564	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168564BS	LCS564	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6007,M6015	2
Q2362-01	TP-11	N/A	2.16	100	Brown	Yellow	Medium	N/A	N/A	3
Q2362-05	EP-6	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	4
Q2363-01	GCAP1	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	5
Q2364-01	GAV1A	N/A	2.41	100	Brown	Yellow	Medium	N/A	N/A	6
Q2364-02	GAV1B	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	7
Q2364-02MS	GAV1BMS	N/A	2.28	100	Brown	Yellow	Medium	N/A	M6007,M6015	9
Q2364-02MSD	GAV1BMSD	N/A	2.40	100	Brown	Yellow	Medium	N/A	M6007,M6015	10
Q2364-02DUP	GAV1BDUP	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	8
Q2364-03	GAV2A	N/A	2.13	100	Brown	Yellow	Medium	N/A	N/A	11
Q2364-04	GAV2B	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	12
Q2367-01	EP-4	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	13
Q2367-05	EP-5	N/A	2.49	100	Brown	Yellow	Medium	N/A	N/A	14
Q2371-04	RPXY42025	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	15
Q2371-05	BBXY42025	N/A	2.30	100	Brown	Yellow	Medium	N/A	N/A	16

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25 10:45
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
		% Solid:	89.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Sulfate	10.7	J	1	9.70	66.4	mg/Kg		06/20/25 11:52	9056A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25 11:55
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
		% Solid:	86.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Sulfate	15.1	J	1	10.1	68.9	mg/Kg		06/20/25 12:13	9056A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Verification

Client: G Environmental **SDG No.:** Q2371

Project: Buff **RunNo.:** LB136233

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV1**						
Bromide	mg/L	10.2	10	102	90-110	05/22/2025
Chloride	mg/L	3.1	3	103	90-110	05/22/2025
Fluoride	mg/L	2.1	2	105	90-110	05/22/2025
Nitrite	mg/L	3.1	3	103	90-110	05/22/2025
Nitrate	mg/L	2.6	2.5	104	90-110	05/22/2025
Sulfate	mg/L	15.1	15	101	90-110	05/22/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	05/22/2025
Sample ID: **CCV1**						
Bromide	mg/L	10.2	10	102	90-110	06/20/2025
Chloride	mg/L	3.1	3	103	90-110	06/20/2025
Fluoride	mg/L	2.1	2	105	90-110	06/20/2025
Nitrite	mg/L	3	3	100	90-110	06/20/2025
Nitrate	mg/L	2.5	2.5	100	90-110	06/20/2025
Sulfate	mg/L	15.1	15	101	90-110	06/20/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	06/20/2025
Sample ID: **CCV2**						
Bromide	mg/L	10.2	10	102	90-110	06/20/2025
Chloride	mg/L	3	3	100	90-110	06/20/2025
Fluoride	mg/L	2.1	2	105	90-110	06/20/2025
Nitrite	mg/L	3	3	100	90-110	06/20/2025
Nitrate	mg/L	2.5	2.5	100	90-110	06/20/2025
Sulfate	mg/L	15.1	15	101	90-110	06/20/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	06/20/2025

Alliance TECHNICAL GROUP
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Initial and Continuing Calibration Blank Summary

Client: G Environmental **SDG No.:** Q2371

Project: Buff **RunNo.:** LB136233

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	05/22/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	05/22/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	05/22/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	05/22/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	05/22/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	05/22/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	05/22/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/20/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/20/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/20/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/20/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/20/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/20/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/20/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/20/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/20/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/20/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/20/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/20/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/20/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/20/2025

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Preparation Blank Summary

Client: G Environmental **SDG No.:** Q2371

Project: Buff

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136233BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	7	40	06/20/2025
Chloride	mg/Kg	< 6.0000	6.0000	U	3.5	12	06/20/2025
Fluoride	mg/Kg	< 4.0000	4.0000	U	1.8	8	06/20/2025
Nitrite	mg/Kg	< 6.0000	6.0000	U	1.5	12	06/20/2025
Nitrate	mg/Kg	< 5.0000	5.0000	U	1.8	10	06/20/2025
Sulfate	mg/Kg	< 30.0000	30.0000	U	8.8	60	06/20/2025
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	6.7	20	06/20/2025

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Matrix Spike Summary

Client: G Environmental
SDG No.: Q2371
Project: Buff
Sample ID: Q2371-05
Client ID: BBX42025MS
Percent Solids for Spike Sample: 86.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	239		8.10	U	230	1	104		06/20/2025
Chloride	mg/Kg	80-120	73.9		4.00	U	68.5	1	108		06/20/2025
Fluoride	mg/Kg	80-120	44.6		2.00	U	45.6	1	98		06/20/2025
Nitrite	mg/Kg	80-120	71.1		1.80	U	68.5	1	104		06/20/2025
Nitrate	mg/Kg	80-120	59.4		2.10	U	57.1	1	104		06/20/2025
Sulfate	mg/Kg	80-120	358		15.1	J	340	1	101		06/20/2025
Orthophosphate as P	mg/Kg	80-120	108		7.70	U	110	1	98		06/20/2025

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Matrix Spike Summary

Client: G Environmental
Project: Buff
Client ID: BBX42025MSD

SDG No.: Q2371
Sample ID: Q2371-05
Percent Solids for Spike Sample: 86.6

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/Kg	80-120	240		8.10	U	230	1	104		06/20/2025
Chloride	mg/Kg	80-120	73.0		4.00	U	68.6	1	106		06/20/2025
Fluoride	mg/Kg	80-120	44.2		2.00	U	45.7	1	97		06/20/2025
Nitrite	mg/Kg	80-120	71.4		1.80	U	68.6	1	104		06/20/2025
Nitrate	mg/Kg	80-120	59.6		2.10	U	57.2	1	104		06/20/2025
Sulfate	mg/Kg	80-120	360		15.1	J	340	1	101		06/20/2025
Orthophosphate as P	mg/Kg	80-120	105		7.70	U	110	1	96		06/20/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Buff
Client ID: BBX42025MSD

SDG No.: Q2371
Sample ID: Q2371-05
Percent Solids for Spike Sample: 86.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	239		240		1	0		06/20/2025
Nitrate	mg/Kg	+/-15	59.4		59.6		1	0		06/20/2025
Nitrite	mg/Kg	+/-15	71.1		71.4		1	0		06/20/2025
Chloride	mg/Kg	+/-15	73.9		73.0		1	1		06/20/2025
Fluoride	mg/Kg	+/-15	44.6		44.2		1	1		06/20/2025
Sulfate	mg/Kg	+/-15	358		360		1	1		06/20/2025
Orthophosphate as P	mg/Kg	+/-15	108		105		1	3		06/20/2025

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Laboratory Control Sample Summary

Client: G Environmental **SDG No.:** Q2371

Project: Buff **Run No.:** LB136233

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136233BSS								
Bromide	mg/Kg	200	204		102	1	90-110	06/20/2025
Chloride	mg/Kg	60	60.8		101	1	90-110	06/20/2025
Fluoride	mg/Kg	40	41.3		103	1	90-110	06/20/2025
Nitrite	mg/Kg	60	61.0		102	1	90-110	06/20/2025
Nitrate	mg/Kg	50	50.6		101	1	90-110	06/20/2025
Sulfate	mg/Kg	300	302		101	1	90-110	06/20/2025
Orthophosphate as P	mg/Kg	100	105		105	1	90-110	06/20/2025

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136233

Review By	Iwona	Review On	6/23/2025 4:27:21 PM
Supervise By	Sohil	Supervise On	6/23/2025 4:44:35 PM
SubDirectory	LB136233	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP113186,WP113187,WP113188,WP113189,WP113190,WP113191,WP113192
ICV Standard	WP113193
CCV Standard	WP113590
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113591
Chk Standard	WP113194,WP113195

Sr #	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	05/22/25 11:09	All standards, samples, and	NF/IZ	OK
2	STD2	STD2	CAL2	05/22/25 11:30	QC are filtered through	NF/IZ	OK
3	STD3	STD3	CAL3	05/22/25 11:52	0.45um, filter lot W3160	NF/IZ	OK
4	STD4	STD4	CAL4	05/22/25 12:13		NF/IZ	OK
5	STD5	STD5	CAL5	05/22/25 12:35		NF/IZ	OK
6	STD6	STD6	CAL6	05/22/25 12:56		NF/IZ	OK
7	STD7	STD7	CAL7	05/22/25 13:17		NF/IZ	OK
8	ICV1	ICV1	ICV	05/22/25 13:39		NF/IZ	OK
9	ICB1	ICB1	ICB	05/22/25 14:22		NF/IZ	OK
10	CCV1	CCV1	CCV	06/20/25 10:04		NF/IZ	OK
11	CCB1	CCB1	CCB	06/20/25 10:25		NF/IZ	OK
12	LB136233BLS	LB136233BLS	MB	06/20/25 11:30		NF/IZ	OK
13	Q2371-04	RPXY42025	SAM	06/20/25 11:52		NF/IZ	OK
14	Q2371-05	BBX42025	SAM	06/20/25 12:13		NF/IZ	OK
15	Q2371-05MS	BBX42025MS	MS	06/20/25 12:35	5ml W3092	NF/IZ	OK
16	Q2371-05MSD	BBX42025MSD	MSD	06/20/25 12:56	5ml W3092	NF/IZ	OK
17	LB136233BSS	LB136233BSS	LCS	06/20/25 13:18		NF/IZ	OK
18	CCV2	CCV2	CCV	06/20/25 13:39		NF/IZ	OK

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Fax : 908 789 8922

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136233

Review By	Iwona	Review On	6/23/2025 4:27:21 PM
Supervise By	Sohil	Supervise On	6/23/2025 4:44:35 PM
SubDirectory	LB136233	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP113186,WP113187,WP113188,WP113189,WP113190,WP113191,WP113192
ICV Standard	WP113193
CCV Standard	WP113590
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113591
Chk Standard	WP113194,WP113195

19	CCB2	CCB2	CCB	06/20/25 14:01		NF/IZ	OK

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q2371	**OrderDate:**	6/19/2025 2:53:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2371-04	**RPXY42025**	**SOIL**			**06/19/25 10:45**			**06/19/25**
			Anions Group1	9056A			06/20/25 11:52	
Q2371-05	**BBX42025**	**SOIL**			**06/19/25 11:55**			**06/19/25**
			Anions Group1	9056A			06/20/25 12:13	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2371
COC Number 2046406

8
8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G Environmental
ADDRESS: 8 Carriage
CITY Succasunna STATE NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Buff
PROJECT NO.: LOCATION:
PROJECT MANAGER: GL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: FCCP PO#:
ADDRESS: 8 Carriage
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) X NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC ❑ NYS ASP A ❑ NYS ASP B
+ Raw Data) ❑ Other
X EDD FORMAT excel, NJDEP, NJDEP

ANALYSIS

1 TCL VOCs 15
2 Fe, Mn, Na
3 Sulfate
4
5
6
7
8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	RPXY4 2025	Soil		X	6/19/25	1045	4	X	X	X							
2.	BBX4 2025	Soil		X	6/19/25	~~1145~~	4	X	X	X							
3.	GBuff 1	Soil		X	6/19/25	1245	4	X									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES: 1 Terra core
1155

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	1445 6/19/25	1. CR
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.1 °C
Comments: IR Gun # 1

Page ____ of
CLIENT: ❑ Hand Delivered ❑ Other
Shipment Complete ❑ YES ❑ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP
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Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2371 GENV01	**Order Date :**	6/19/2025 2:53:00 PM	**Project Mgr :**	
Client Name :	G Environmental	**Project Name :**	Buff	**Report Type :**	NJ Reduced
Client Contact :	Gary Landis	**Receive DateTime :**	6/19/2025 2:45:00 PM	**EDD Type :**	NJ HAZSITE
Invoice Name :	G Environmental	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Gary Landis			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2371-04	RPXY42025	Solid	06/19/2025	10:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2371-05	~~BXY42025~~ BBX42025 nl	Solid	06/19/2025	~~10:55~~ 11:55 nl					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2371-06	GBUFF1	Solid	06/19/2025	12:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : _____
Date / Time : 6/19/25 1528

Received By : _____
Date / Time : 06/19/25 15:28

Storage Area : VOA Refridgerator Room