

DATA PACKAGE

METALS
VOLATILE ORGANICS

PROJECT NAME : BUFFINGTON

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q3058

ATTENTION : Gary Landis



Laboratory Certification ID # 20012



1) Signature Page	3	1
2) Case Narrative	5	2
2.1) VOCMS Group1_VOC-TCLVOA-10- Case Narrative	5	3
2.2) Metals-AES- Case Narrative	7	4
3) Qualifier Page	8	5
4) QA Checklist	10	6
5) VOC-TCLVOA-10 Data	11	7
6) VOCMS Group1 Data	149	8
7) Metals-AES Data	226	
8) Shipping Document	272	
8.1) CHAIN OF CUSTODY	273	
8.2) Lab Certificate	274	
8.3) Internal COC	275	

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) : Q3058 Sampling Date(s) : 9/09/2025
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) **6010D,8260D,8260D,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."

Cover Page

Order ID : Q3058

Project ID : Buffington

Client : G Environmental

Lab Sample Number

Q3058-01
Q3058-02
Q3058-03

Client Sample Number

RPXY5
RPXY4
MW4

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 :

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:16 pm, Sep 19, 2025

Date: 9/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

G Environmental

Project Name: Buffington

Project # N/A

Order ID # Q3058

Test Name: VOCMS Group1,VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 09/09/2025.

1 Water sample was received on 09/09/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested:

. This data package contains results for VOCMS Group1(8260-Low), VOC-TCLVOA-10(8260D).

C. Analytical Techniques:

VOCMS Group1 : The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group1 was based on method 8260-Low.

VOC-TCLVOA-10 : The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The 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 were met for all analysis except following
VOC-TCLVOA-10 : RPXY4 [1,2-Dichloroethane-d4 - 136%] this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements except following

VOCMS Group1 : The %RSD is greater than 20% in the Initial Calibration method (82N082125W.M) for Methylene Chloride passing on Linear regression.

VOC-TCLVOA-10 : The %RSD is greater than 20% in the Initial Calibration method (82N082125W.M) for Methylene Chloride passing on Linear regression.

The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

VOC-TCLVOA-10 : Sample RPXY5 was diluted due to high concentration.

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.

The Sample # RPXY4 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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.

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:16 pm, Sep 19, 2025

Signature_____

CASE NARRATIVE

G Environmental

Project Name: Buffington

Project # N/A

Order ID # Q3058

Test Name: Metals Group4

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 09/09/2025.

1 Water sample was received on 09/09/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Metals Group4. 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 3010 (waters).

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all compounds.

The Duplicate (4089DUP) analysis met criteria for all compounds except for Iron, Manganese and Sodium due to sample matrix interference.

The Matrix Spike (4089MS) analysis met criteria for all compounds except for Iron due to Chemical interference during Digestion Process.

The Matrix Spike Duplicate (4089MSD) analysis met criteria for all compounds except for Iron 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:

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.

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 12:16 pm, Sep 19, 2025

Signature_____

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

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3058

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 Custody

✓

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: SOHIL JODHANI

Date: 09/19/2025

Hit Summary Sheet
SW-846

SDG No.: Q3058
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	RPXY5							
Q3058-01	RPXY5	SOIL	Acetone	10.2	J	4.30	22.5	ug/Kg
Q3058-01	RPXY5	SOIL	Methylene Chloride	3.50	J	3.20	9.00	ug/Kg
Q3058-01	RPXY5	SOIL	Toluene	2.30	J	0.70	4.50	ug/Kg
Q3058-01	RPXY5	SOIL	Ethyl Benzene	95.9		0.60	4.50	ug/Kg
Q3058-01	RPXY5	SOIL	m/p-Xylenes	340	E	1.10	9.00	ug/Kg
Q3058-01	RPXY5	SOIL	o-Xylene	87.3		0.74	4.50	ug/Kg
Total Voc :				539				
Total Concentration:				539				
Client ID:	RPXY5ME							
Q3058-01ME	RPXY5ME	SOIL	Ethyl Benzene	72.9	JD	31.5	240	ug/Kg
Q3058-01ME	RPXY5ME	SOIL	m/p-Xylenes	220	JD	58.3	470	ug/Kg
Q3058-01ME	RPXY5ME	SOIL	o-Xylene	60.7	JD	38.5	240	ug/Kg
Total Voc :				354				
Total Concentration:				354				
Client ID:	RPXY4							
Q3058-02	RPXY4	SOIL	Chloromethane	120		0.94	4.10	ug/Kg
Q3058-02	RPXY4	SOIL	Bromomethane	13.5		0.88	4.10	ug/Kg
Q3058-02	RPXY4	SOIL	Acetone	140		3.90	20.6	ug/Kg
Q3058-02	RPXY4	SOIL	Methylene Chloride	4.30	J	2.90	8.30	ug/Kg
Total Voc :				278				
Q3058-02	RPXY4	SOIL	Methyl Iodide	* 3.00	J	0.75	4.10	ug/Kg
Total Tics :				3.00				
Total Concentration:				281				



SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5	SDG No.:	Q3058
Lab Sample ID:	Q3058-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.55	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:	Date Analyzed	Prep Batch ID
VY023328.D	1	09/10/25 12:49	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.50	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.71	U	0.71	4.50	ug/Kg
74-83-9	Bromomethane	0.96	U	0.96	4.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.90	U	0.90	4.50	ug/Kg
67-64-1	Acetone	10.2	J	4.30	22.5	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.50	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.50	ug/Kg
75-09-2	Methylene Chloride	3.50	J	3.20	9.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
110-82-7	Cyclohexane	0.71	U	0.71	4.50	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	22.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.50	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.50	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.84	U	0.84	4.50	ug/Kg
108-87-2	Methylcyclohexane	0.82	U	0.82	4.50	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.71	U	0.71	4.50	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.82	U	0.82	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.70	U	0.70	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	22.5	ug/Kg
108-88-3	Toluene	2.30	J	0.70	4.50	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	09/09/25	
Project:	Buffington		Date Received:	09/09/25	
Client Sample ID:	RPXY5		SDG No.:	Q3058	
Lab Sample ID:	Q3058-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	84.7	
Sample Wt/Vol:	6.55	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:	Date Analyzed	Prep Batch ID
VY023328.D	1	09/10/25 12:49	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.83	U	0.83	4.50	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	22.5	ug/Kg
124-48-1	Dibromochloromethane	0.78	U	0.78	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.95	U	0.95	4.50	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	4.50	ug/Kg
100-41-4	Ethyl Benzene	95.9		0.60	4.50	ug/Kg
179601-23-1	m/p-Xylenes	340	E	1.10	9.00	ug/Kg
95-47-6	o-Xylene	87.3		0.74	4.50	ug/Kg
100-42-5	Styrene	0.64	U	0.64	4.50	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.50	ug/Kg
98-82-8	Isopropylbenzene	0.70	U	0.70	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.70	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.90	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.0		70 (63) - 130 (155)	124%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		70 (70) - 130 (134)	108%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		70 (17) - 130 (146)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	542000	7.713			
540-36-3	1,4-Difluorobenzene	1030000	8.615			
3114-55-4	Chlorobenzene-d5	977000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	419000	13.346			

Report of Analysis

Client:	G Environmental		Date Collected:	09/09/25	
Project:	Buffington		Date Received:	09/09/25	
Client Sample ID:	RPXY5		SDG No.:	Q3058	
Lab Sample ID:	Q3058-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	84.7	
Sample Wt/Vol:	6.55	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:	Date Analyzed	Prep Batch ID
VY023328.D	1	09/10/25 12:49	VY091025

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

Report of Analysis

Client:	G Environmental		Date Collected:	09/09/25	
Project:	Buffington		Date Received:	09/09/25	
Client Sample ID:	RPXY5ME		SDG No.:	Q3058	
Lab Sample ID:	Q3058-01ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	84.7	
Sample Wt/Vol:	6.28	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087839.D	1	09/15/25 15:43	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	53.6	UD	53.6	240	ug/Kg
74-87-3	Chloromethane	53.6	UD	53.6	240	ug/Kg
75-01-4	Vinyl Chloride	37.1	UD	37.1	240	ug/Kg
74-83-9	Bromomethane	50.3	UD	50.3	240	ug/Kg
75-00-3	Chloroethane	59.2	UD	59.2	240	ug/Kg
75-69-4	Trichlorofluoromethane	56.9	UD	56.9	240	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	49.8	UD	49.8	240	ug/Kg
75-35-4	1,1-Dichloroethene	47.0	UD	47.0	240	ug/Kg
67-64-1	Acetone	220	UD	220	1200	ug/Kg
75-15-0	Carbon Disulfide	49.8	UD	49.8	240	ug/Kg
1634-04-4	Methyl tert-butyl Ether	34.3	UD	34.3	240	ug/Kg
79-20-9	Methyl Acetate	72.4	UD	72.4	240	ug/Kg
75-09-2	Methylene Chloride	170	UD	170	470	ug/Kg
156-60-5	trans-1,2-Dichloroethene	40.4	UD	40.4	240	ug/Kg
75-34-3	1,1-Dichloroethane	37.6	UD	37.6	240	ug/Kg
110-82-7	Cyclohexane	37.1	UD	37.1	240	ug/Kg
78-93-3	2-Butanone	310	UD	310	1200	ug/Kg
56-23-5	Carbon Tetrachloride	45.6	UD	45.6	240	ug/Kg
156-59-2	cis-1,2-Dichloroethene	35.2	UD	35.2	240	ug/Kg
74-97-5	Bromochloromethane	54.0	UD	54.0	240	ug/Kg
67-66-3	Chloroform	39.5	UD	39.5	240	ug/Kg
71-55-6	1,1,1-Trichloroethane	43.7	UD	43.7	240	ug/Kg
108-87-2	Methylcyclohexane	42.8	UD	42.8	240	ug/Kg
71-43-2	Benzene	37.1	UD	37.1	240	ug/Kg
107-06-2	1,2-Dichloroethane	37.1	UD	37.1	240	ug/Kg
79-01-6	Trichloroethene	38.1	UD	38.1	240	ug/Kg
78-87-5	1,2-Dichloropropane	42.8	UD	42.8	240	ug/Kg
75-27-4	Bromodichloromethane	36.7	UD	36.7	240	ug/Kg
108-10-1	4-Methyl-2-Pentanone	170	UD	170	1200	ug/Kg
108-88-3	Toluene	36.7	UD	36.7	240	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5ME	SDG No.:	Q3058
Lab Sample ID:	Q3058-01ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087839.D	1	09/15/25 15:43	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	30.5	UD	30.5	240	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	29.1	UD	29.1	240	ug/Kg
79-00-5	1,1,2-Trichloroethane	43.2	UD	43.2	240	ug/Kg
591-78-6	2-Hexanone	170	UD	170	1200	ug/Kg
124-48-1	Dibromochloromethane	40.9	UD	40.9	240	ug/Kg
106-93-4	1,2-Dibromoethane	41.4	UD	41.4	240	ug/Kg
127-18-4	Tetrachloroethene	49.3	UD	49.3	240	ug/Kg
108-90-7	Chlorobenzene	42.8	UD	42.8	240	ug/Kg
100-41-4	Ethyl Benzene	72.9	JD	31.5	240	ug/Kg
179601-23-1	m/p-Xylenes	220	JD	58.3	470	ug/Kg
95-47-6	o-Xylene	60.7	JD	38.5	240	ug/Kg
100-42-5	Styrene	33.4	UD	33.4	240	ug/Kg
75-25-2	Bromoform	40.4	UD	40.4	240	ug/Kg
98-82-8	Isopropylbenzene	36.7	UD	36.7	240	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	56.9	UD	56.9	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	80.4	UD	80.4	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	73.3	UD	73.3	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	68.1	UD	68.1	240	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	86.5	UD	86.5	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	140	UD	140	240	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	150	UD	150	240	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.6		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	46.8		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		70 (17) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.2			
540-36-3	1,4-Difluorobenzene	435000	9.082			
3114-55-4	Chlorobenzene-d5	387000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.77			

Report of Analysis

Client:	G Environmental		Date Collected:	09/09/25	
Project:	Buffington		Date Received:	09/09/25	
Client Sample ID:	RPXY5ME		SDG No.:	Q3058	
Lab Sample ID:	Q3058-01ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	84.7	
Sample Wt/Vol:	6.28	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087839.D	1	09/15/25 15:43	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY4	SDG No.:	Q3058
Lab Sample ID:	Q3058-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.9
Sample Wt/Vol:	7.05 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:	Date Analyzed	Prep Batch ID
VY023329.D	1	09/10/25 13:12	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	4.10	ug/Kg
74-87-3	Chloromethane	120		0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.10	ug/Kg
74-83-9	Bromomethane	13.5		0.88	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.10	ug/Kg
67-64-1	Acetone	140		3.90	20.6	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.60	U	0.60	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	4.30	J	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.10	ug/Kg
71-43-2	Benzene	0.65	U	0.65	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.6	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY4	SDG No.:	Q3058
Lab Sample ID:	Q3058-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.9
Sample Wt/Vol:	7.05 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:	Date Analyzed	Prep Batch ID
VY023329.D	1	09/10/25 13:12	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.10	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.9	*	70 (63) - 130 (155)	136%	SPK: 50
1868-53-7	Dibromofluoromethane	57.9		70 (70) - 130 (134)	116%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		70 (17) - 130 (146)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	539000	7.713			
540-36-3	1,4-Difluorobenzene	1020000	8.616			
3114-55-4	Chlorobenzene-d5	1000000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	442000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY4	SDG No.:	Q3058
Lab Sample ID:	Q3058-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.9
Sample Wt/Vol:	7.05	Units:	g
Soil Aliquot Vol:		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10
GC Column:	RXI-624	Level :	LOW
Prep Method :	ID : 0.25		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023329.D	1	09/10/25 13:12	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
74-88-4	Methyl Iodide	3.00	J		4.01	ug/Kg

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

A

B

C

D

E

F

G

H

I

J

Surrogate Summary

SDG No.: **Q3058**

Client: **G Environmental**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3058-01	RPXY5	1,2-Dichloroethane-d4	50	62.0	124		70 (63)	130 (155)
		Dibromofluoromethane	50	54.2	108		70 (70)	130 (134)
		Toluene-d8	50	52.0	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.6	109		70 (17)	130 (146)
Q3058-01ME	RPXY5ME	1,2-Dichloroethane-d4	50	50.6	101		70 (63)	130 (155)
		Dibromofluoromethane	50	50.6	101		70 (70)	130 (134)
		Toluene-d8	50	46.8	94		70 (74)	130 (123)
		4-Bromofluorobenzene	50	39.8	80		70 (17)	130 (146)
Q3058-02	RPXY4	1,2-Dichloroethane-d4	50	67.9	136	*	70 (63)	130 (155)
		Dibromofluoromethane	50	57.9	116		70 (70)	130 (134)
		Toluene-d8	50	50.9	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	55.5	111		70 (17)	130 (146)
VN0915MBL01	VN0915MBL01	1,2-Dichloroethane-d4	50	49.9	100		70 (63)	130 (155)
		Dibromofluoromethane	50	52.3	105		70 (70)	130 (134)
		Toluene-d8	50	48.3	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.6	91		70 (17)	130 (146)
VN0915MBS01	VN0915MBS01	1,2-Dichloroethane-d4	50	48.5	97		70 (63)	130 (155)
		Dibromofluoromethane	50	49.4	99		70 (70)	130 (134)
		Toluene-d8	50	45.6	91		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.4	93		70 (17)	130 (146)
VY0910SBL01	VY0910SBL01	1,2-Dichloroethane-d4	50	61.2	122		70 (63)	130 (155)
		Dibromofluoromethane	50	53.7	107		70 (70)	130 (134)
		Toluene-d8	50	51.7	103		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.4	99		70 (17)	130 (146)
VY0910SBS01	VY0910SBS01	1,2-Dichloroethane-d4	50	49.6	99		70 (63)	130 (155)
		Dibromofluoromethane	50	49.3	99		70 (70)	130 (134)
		Toluene-d8	50	50.5	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.6	101		70 (17)	130 (146)
VY0910SBSD01	VY0910SBSD01	1,2-Dichloroethane-d4	50	48.3	97		70 (63)	130 (155)
		Dibromofluoromethane	50	48.5	97		70 (70)	130 (134)
		Toluene-d8	50	49.0	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.7	97		70 (17)	130 (146)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3058</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN087837.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0915MBS01	1,2-Dibromo-3-Chloropropane	2000	1600	ug/Kg	80			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1600	ug/Kg	80			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1600	ug/Kg	80			70 (70)	130 (137)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 Analytical Method: SW8260D
Client: G Environmental Datafile : VY023323.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0910SBS01	1,2-Dibromo-3-Chloropropane	20	19.3	ug/Kg	97			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			70 (70)	130 (137)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 Analytical Method: SW8260D
Client: G Environmental Datafile : VY023324.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0910SBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/Kg	100	3		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.2	ug/Kg	101	1		70 (70)	130 (137)	30 (20)

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

Client ID

VN0915MBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3058

Lab File ID: VN087821.D

Lab Sample ID: VN0915MBL01

Date Analyzed: 09/15/2025

Time Analyzed: 09:14

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0915MBS01	VN0915MBS01	VN087837.D	09/15/2025
RPHY5ME	Q3058-01ME	VN087839.D	09/15/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0910SBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3058

Lab File ID: VY023322.D

Lab Sample ID: VY0910SBL01

Date Analyzed: 09/10/2025

Time Analyzed: 09:39

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
VY0910SBS01	VY0910SBS01	VY023323.D	09/10/2025
VY0910SBSD01	VY0910SBSD01	VY023324.D	09/10/2025
RPXY5	Q3058-01	VY023328.D	09/10/2025
RPXY4	Q3058-02	VY023329.D	09/10/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3058

Lab File ID: VN087614.D

BFB Injection Date: 08/21/2025

Instrument ID: MSVOA_N

BFB Injection Time: 09:30

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.6 (8.1) 1
176	95.0 - 101.0% of mass 174	67.7 (98.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN087619.D	08/21/2025	12:09
VSTDIC005	VSTDIC005	VN087620.D	08/21/2025	13:08
VSTDIC020	VSTDIC020	VN087621.D	08/21/2025	13:41
VSTDIC050	VSTDIC050	VN087622.D	08/21/2025	14:02
VSTDIC100	VSTDIC100	VN087623.D	08/21/2025	14:23
VSTDIC150	VSTDIC150	VN087624.D	08/21/2025	14:44

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3058

Lab File ID: VN087819.D

BFB Injection Date: 09/15/2025

Instrument ID: MSVOA_N

BFB Injection Time: 08:18

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	6.3 (8.5) 1
176	95.0 - 101.0% of mass 174	70.8 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087820.D	09/15/2025	08:39
VN0915MBL01	VN0915MBL01	VN087821.D	09/15/2025	09:14
VN0915MBS01	VN0915MBS01	VN087837.D	09/15/2025	15:02
RPXY5ME	Q3058-01ME	VN087839.D	09/15/2025	15:43

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3058

Lab File ID: VY023302.D

BFB Injection Date: 09/08/2025

Instrument ID: MSVOA_Y

BFB Injection Time: 09:07

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	18.3
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	90.6
175	5.0 - 9.0% of mass 174	6.9 (7.6) 1
176	95.0 - 101.0% of mass 174	89.4 (98.7) 1
177	5.0 - 9.0% of mass 176	5.9 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY023303.D	09/08/2025	10:00
VSTDIC010	VSTDIC010	VY023304.D	09/08/2025	10:23
VSTDIC020	VSTDIC020	VY023305.D	09/08/2025	11:01
VSTDIC050	VSTDIC050	VY023306.D	09/08/2025	11:23
VSTDIC100	VSTDIC100	VY023307.D	09/08/2025	11:46
VSTDIC150	VSTDIC150	VY023308.D	09/08/2025	12:08

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VY023320.D
Instrument ID: MSVOA_Y
GC Column: RXI-624 ID: 0.25 (mm)

Contract: GENV01
SDG NO.: Q3058
BFB Injection Date: 09/10/2025
BFB Injection Time: 08:38
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.1) 1
174	50.0 - 100.0% of mass 95	93.1
175	5.0 - 9.0% of mass 174	6.9 (7.4) 1
176	95.0 - 101.0% of mass 174	88.6 (95.1) 1
177	5.0 - 9.0% of mass 176	5.8 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023321.D	09/10/2025	09:09
VY0910SBL01	VY0910SBL01	VY023322.D	09/10/2025	09:39
VY0910SBS01	VY0910SBS01	VY023323.D	09/10/2025	10:11
VY0910SBSD01	VY0910SBSD01	VY023324.D	09/10/2025	10:33
RPXY5	Q3058-01	VY023328.D	09/10/2025	12:49
RPXY4	Q3058-02	VY023329.D	09/10/2025	13:12

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
Lab Code: ACE SDG NO.: Q3058
Lab File ID: VN087820.D Date Analyzed: 09/15/2025
Instrument ID: MSVOA_N Time Analyzed: 08:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	257288	8.21	490599	9.08	467132	11.84
UPPER LIMIT	514576	8.706	981198	9.582	934264	12.341
LOWER LIMIT	128644	7.706	245300	8.582	233566	11.341
EPA SAMPLE NO.						
RPXY5ME	191442	8.20	434787	9.08	386645	11.85
VN0915MBL01	198222	8.21	425993	9.08	408687	11.85
VN0915MBS01	204697	8.21	405190	9.08	394337	11.85

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
Lab Code: ACE SDG NO.: Q3058
Lab File ID: VN087820.D Date Analyzed: 09/15/2025
Instrument ID: MSVOA_N Time Analyzed: 08:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	259703	13.765				
UPPER LIMIT	519406	14.265				
LOWER LIMIT	129852	13.265				
EPA SAMPLE NO.						
RPXY5ME	170499	13.77				
VN0915MBL01	193776	13.77				
VN0915MBS01	213436	13.77				

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
Lab Code: ACE SDG NO.: Q3058
Lab File ID: VY023321.D Date Analyzed: 09/10/2025
Instrument ID: MSVOA_Y Time Analyzed: 09:09
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	519574	7.71	748186	8.62	662487	11.42
UPPER LIMIT	1039150	8.213	1496370	9.115	1324970	11.92
LOWER LIMIT	259787	7.213	374093	8.115	331244	10.92
EPA SAMPLE NO.						
RPXY5	542076	7.71	1032321	8.62	977441	11.41
RPXY4	539229	7.71	1018906	8.62	1004230	11.41
VY0910SBL01	583431	7.71	1118169	8.62	1034716	11.42
VY0910SBS01	502093	7.71	763457	8.62	676997	11.42
VY0910SBSD01	502400	7.71	765892	8.62	669720	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q3058
 Lab File ID: VY023321.D Date Analyzed: 09/10/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:09
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	341214	13.346				
UPPER LIMIT	682428	13.846				
LOWER LIMIT	170607	12.846				
EPA SAMPLE NO.						
RPXY5	418953	13.35				
RPXY4	442394	13.35				
VY0910SBL01	415042	13.35				
VY0910SBS01	350574	13.35				
VY0910SBSD01	341290	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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buffington		Date Received:	
Client Sample ID:	VN0915MBL01		SDG No.:	Q3058
Lab Sample ID:	VN0915MBL01		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:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087821.D	1	09/15/25 09:14	VN091525

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0915MBL01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBL01	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:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087821.D	1	09/15/25 09:14	VN091525

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	49.9		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		70 (17) - 130 (146)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	8.206			
540-36-3	1,4-Difluorobenzene	426000	9.083			
3114-55-4	Chlorobenzene-d5	409000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	194000	13.771			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buffington		Date Received:	
Client Sample ID:	VN0915MBL01		SDG No.:	Q3058
Lab Sample ID:	VN0915MBL01		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:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087821.D	1	09/15/25 09:14	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0910SBL01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023322.D	1	09/10/25 09:39	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buffington		Date Received:	
Client Sample ID:	VN0915MBS01		SDG No.:	Q3058
Lab Sample ID:	VN0915MBS01		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:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087837.D	1	09/15/25 15:02	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buffington		Date Received:	
Client Sample ID:	VY0910SBS01		SDG No.:	Q3058
Lab Sample ID:	VY0910SBS01		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:	Date Analyzed	Prep Batch ID
VY023323.D	1	09/10/25 10:11	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG No.: Q3058
 Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025
 Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:								
RRF001 = VN087619.D			RRF005 = VN087620.D			RRF020 = VN087621.D		
RRF050 = VN087622.D			RRF100 = VN087623.D			RRF150 = VN087624.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.620	0.628	0.691	0.703	0.699	0.715	0.676	6.1
cis-1,3-Dichloropropene	0.717	0.640	0.712	0.718	0.714	0.710	0.702	4.3
1,1,2-Trichloroethane	0.439	0.383	0.417	0.408	0.400	0.397	0.407	4.7
2-Hexanone	0.295	0.390	0.493	0.510	0.508	0.507	0.451	19.8
Dibromochloromethane	0.535	0.440	0.458	0.466	0.465	0.468	0.472	6.8
1,2-Dibromoethane	0.412	0.433	0.444	0.432	0.429	0.427	0.430	2.4
Tetrachloroethene	0.447	0.353	0.340	0.313	0.315	0.313	0.347	14.9
Chlorobenzene	1.408	1.164	1.253	1.210	1.216	1.212	1.244	6.9
Ethyl Benzene	2.232	1.993	2.224	2.144	2.152	2.178	2.154	4
m/p-Xylenes	0.759	0.735	0.811	0.812	0.808	0.814	0.790	4.3
o-Xylene	0.777	0.707	0.794	0.796	0.788	0.784	0.774	4.3
Styrene	1.142	1.086	1.391	1.382	1.386	1.393	1.297	11
Bromoform	0.303	0.285	0.320	0.320	0.336	0.336	0.317	6.3
Isopropylbenzene	4.328	3.674	4.096	4.026	3.998	4.120	4.040	5.3
1,1,2,2-Tetrachloroethane	1.488	1.381	1.421	1.363	1.322	1.371	1.391	4.1
1,3-Dichlorobenzene	2.087	1.770	1.940	1.827	1.806	1.826	1.876	6.3
1,4-Dichlorobenzene	2.348	1.884	1.956	1.867	1.818	1.841	1.952	10.2
1,2-Dichlorobenzene	1.942	1.662	1.853	1.755	1.723	1.743	1.780	5.7
1,2-Dibromo-3-Chloropropane	0.370	0.323	0.329	0.317	0.313	0.330	0.330	6.2
1,2,4-Trichlorobenzene	1.192	0.995	1.081	1.026	1.040	1.079	1.069	6.4
1,2,3-Trichlorobenzene	1.140	0.972	1.059	1.006	1.019	1.072	1.045	5.7
1,2-Dichloroethane-d4		1.025	1.016	0.959	1.035	1.089	1.024	4.5
Dibromofluoromethane		0.369	0.344	0.334	0.373	0.386	0.361	6
Toluene-d8		1.384	1.266	1.223	1.408	1.475	1.351	7.7
4-Bromofluorobenzene		0.446	0.454	0.450	0.514	0.540	0.481	9

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3058</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/15/2025 08:39</u>
Lab File ID:	<u>VN087820.D</u>	Init. Calib. Date(s):	<u>08/21/2025 08/21/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:09 14:44</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.154	2.096		-2.69	20
m/p-Xylenes	0.790	0.800		1.27	20
o-Xylene	0.774	0.760		-1.81	20
Styrene	1.297	1.352		4.24	20
Bromoform	0.317	0.354	0.1	11.67	20
Isopropylbenzene	4.040	3.523		-12.8	20
1,1,2,2-Tetrachloroethane	1.391	1.270	0.3	-8.7	20
1,3-Dichlorobenzene	1.876	1.742		-7.14	20
1,4-Dichlorobenzene	1.952	1.779		-8.86	20
1,2-Dichlorobenzene	1.780	1.694		-4.83	20
1,2-Dibromo-3-Chloropropane	0.330	0.283		-14.24	20
1,2,4-Trichlorobenzene	1.069	1.018		-4.77	20
1,2,3-Trichlorobenzene	1.045	0.985		-5.74	20
1,2-Dichloroethane-d4	1.024	1.010		-1.37	20
Dibromofluoromethane	0.361	0.390		8.03	20
Toluene-d8	1.351	1.382		2.3	20
4-Bromofluorobenzene	0.481	0.505		4.99	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3058</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>09/10/2025</u> <u>09:09</u>
Lab File ID:	<u>VY023321.D</u>	Init. Calib. Date(s):	<u>09/08/2025</u> <u>09/08/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>10:00</u> <u>12:08</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.401	0.365		-8.98	20
Chloromethane	0.574	0.562	0.1	-2.09	20
Vinyl Chloride	0.723	0.711		-1.66	20
Bromomethane	0.590	0.544		-7.8	20
Chloroethane	0.489	0.487		-0.41	20
Trichlorofluoromethane	0.913	0.907		-0.66	20
1,1,2-Trichlorotrifluoroethane	0.491	0.482		-1.83	20
1,1-Dichloroethene	0.472	0.460		-2.54	20
Acetone	0.100	0.115		15	20
Carbon Disulfide	1.495	1.461		-2.27	20
Methyl tert-butyl Ether	1.110	1.081		-2.61	20
Methyl Acetate	0.245	0.230		-6.12	20
Methylene Chloride	0.535	0.538		0.56	20
trans-1,2-Dichloroethene	0.528	0.524		-0.76	20
1,1-Dichloroethane	0.869	0.854	0.1	-1.73	20
Cyclohexane	0.769	0.736		-4.29	20
2-Butanone	0.123	0.128		4.07	20
Carbon Tetrachloride	0.501	0.526		4.99	20
cis-1,2-Dichloroethene	0.597	0.594		-0.5	20
Bromochloromethane	0.342	0.335		-2.05	20
Chloroform	0.934	0.915		-2.03	20
1,1,1-Trichloroethane	0.834	0.831		-0.36	20
Methylcyclohexane	0.557	0.600		7.72	20
Benzene	1.353	1.411		4.29	20
1,2-Dichloroethane	0.344	0.352		2.33	20
Trichloroethene	0.377	0.392		3.98	20
1,2-Dichloropropane	0.306	0.314		2.61	20
Bromodichloromethane	0.468	0.482		2.99	20
4-Methyl-2-Pentanone	0.172	0.179		4.07	20
Toluene	0.859	0.926		7.8	20
t-1,3-Dichloropropene	0.403	0.417		3.47	20
cis-1,3-Dichloropropene	0.482	0.499		3.53	20
1,1,2-Trichloroethane	0.248	0.253		2.02	20
2-Hexanone	0.119	0.132		10.92	20
Dibromochloromethane	0.336	0.353		5.06	20
1,2-Dibromoethane	0.232	0.240		3.45	20
Tetrachloroethene	0.498	0.538		8.03	20
Chlorobenzene	1.095	1.134	0.3	3.56	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3058</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date/Time:	<u>09/10/2025</u> <u>09:09</u>
Lab File ID:	<u>VY023321.D</u>	Init. Calib. Date(s):	<u>09/08/2025</u> <u>09/08/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>10:00</u> <u>12:08</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.790	1.942		8.49	20
m/p-Xylenes	0.717	0.782		9.07	20
o-Xylene	0.663	0.719		8.45	20
Styrene	1.099	1.196		8.83	20
Bromoform	0.229	0.234	0.1	2.18	20
Isopropylbenzene	3.368	3.621		7.51	20
1,1,2,2-Tetrachloroethane	0.565	0.553	0.3	-2.12	20
1,3-Dichlorobenzene	1.703	1.741		2.23	20
1,4-Dichlorobenzene	1.686	1.695		0.53	20
1,2-Dichlorobenzene	1.485	1.502		1.14	20
1,2-Dibromo-3-Chloropropane	0.089	0.086		-3.37	20
1,2,4-Trichlorobenzene	0.866	0.881		1.73	20
1,2,3-Trichlorobenzene	0.752	0.762		1.33	20
1,2-Dichloroethane-d4	0.439	0.427		-2.73	20
Dibromofluoromethane	0.306	0.315		2.94	20
Toluene-d8	1.154	1.218		5.55	20
4-Bromofluorobenzene	0.363	0.388		6.89	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

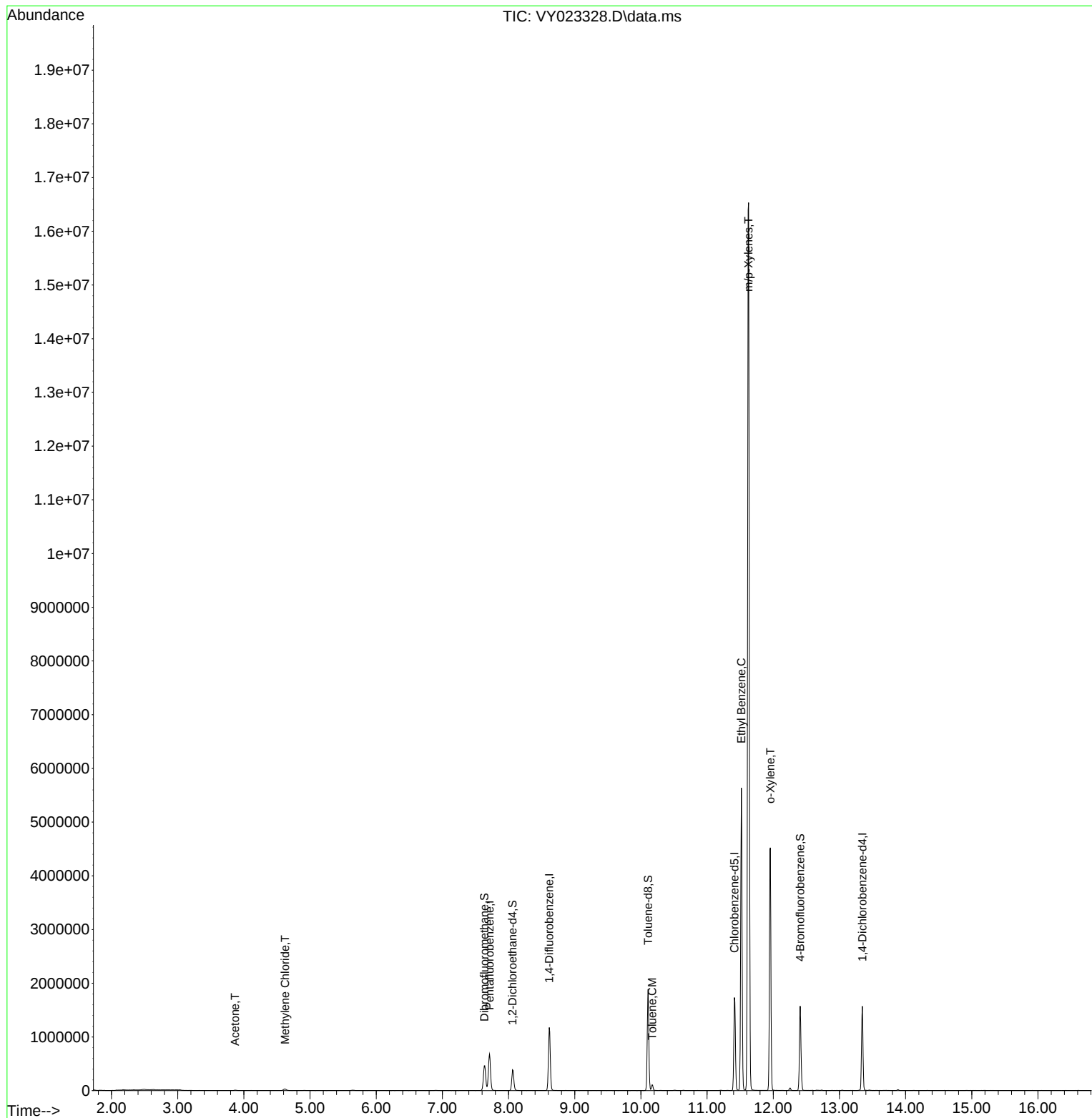
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Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

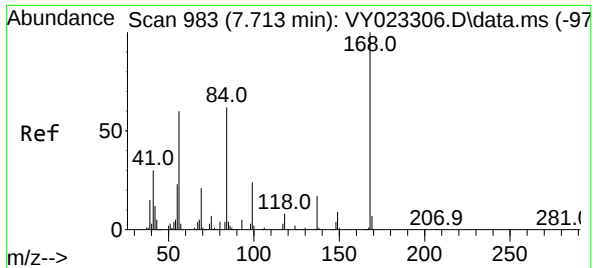
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

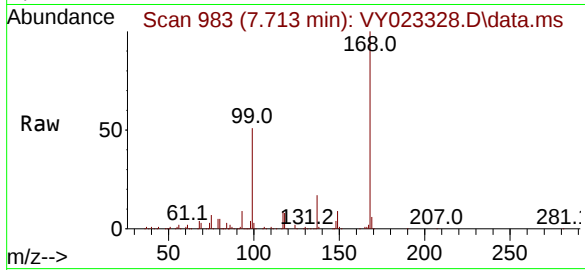
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Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

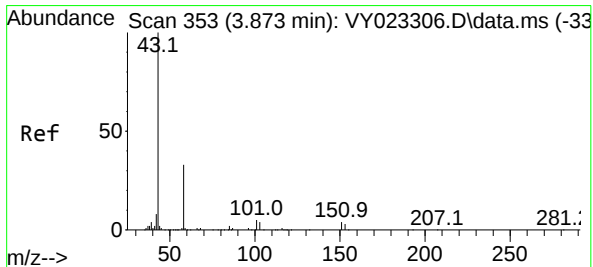
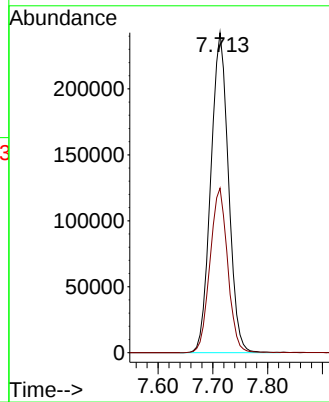
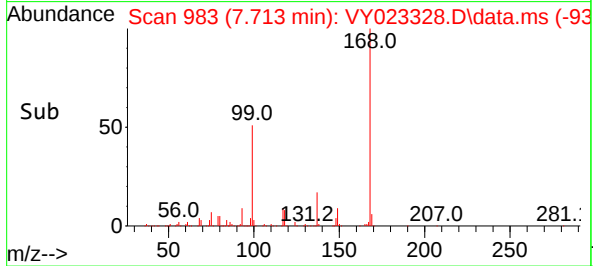
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5



Tgt Ion:168 Resp: 542070
Ion Ratio Lower Upper
168 100
99 51.4 42.8 64.2

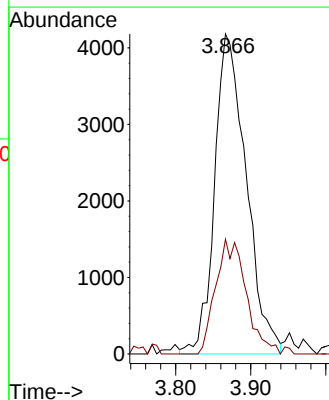
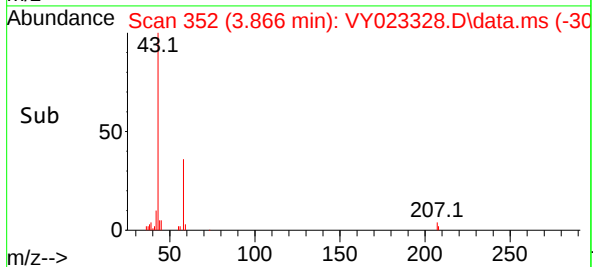
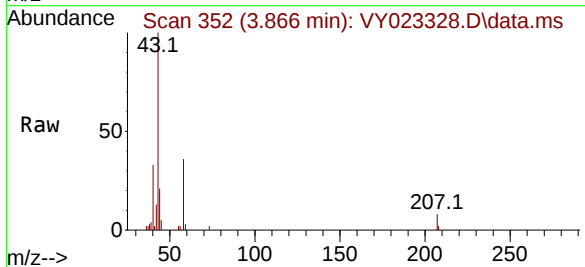
Manual Integrations
APPROVED

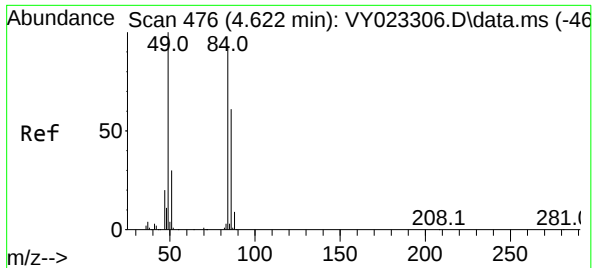
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



#16
Acetone
Concen: 11.263 ug/l m
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

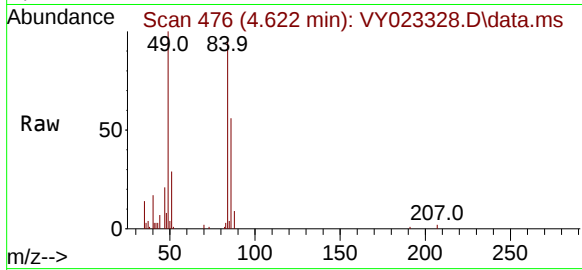
Tgt Ion: 43 Resp: 12220
Ion Ratio Lower Upper
43 100
58 35.9 27.1 40.7





#20
Methylene Chloride
Concen: 3.910 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

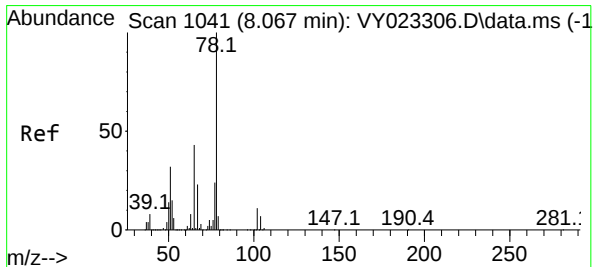
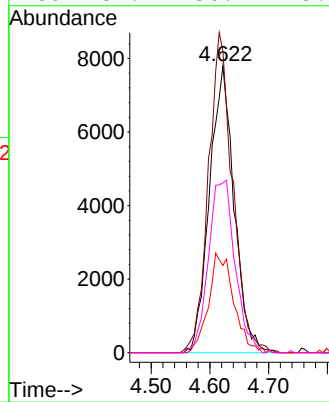
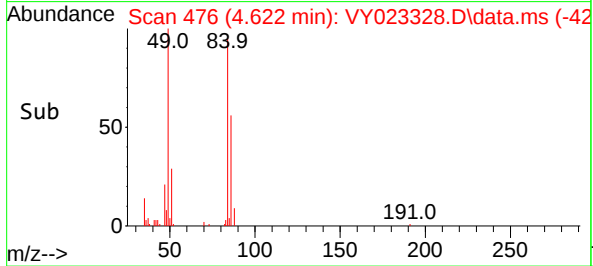
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5



Tgt Ion: 84 Resp: 22690
Ion Ratio Lower Upper
84 100
49 105.1 93.0 139.6
51 30.5 29.0 43.4
86 59.2 50.2 75.4

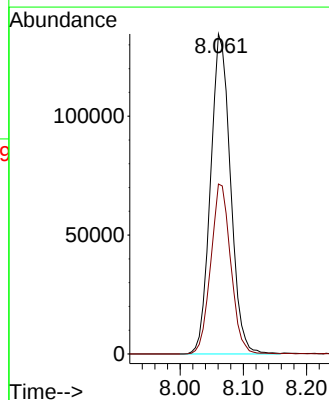
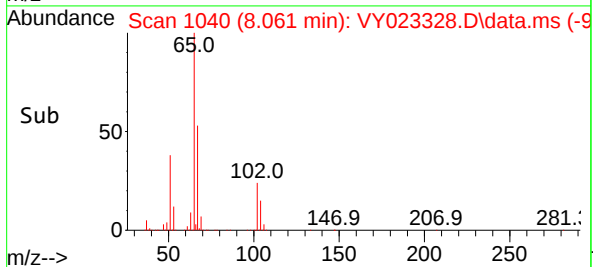
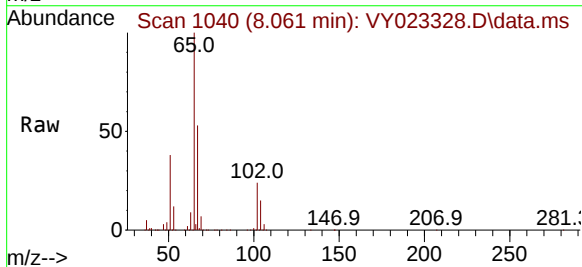
Manual Integrations
APPROVED

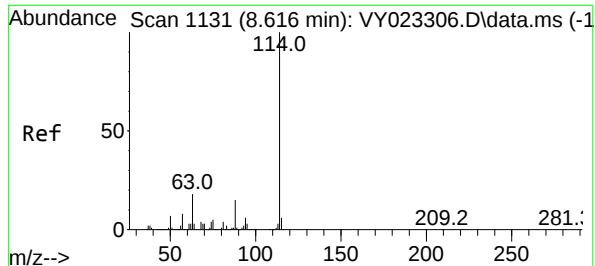
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



#33
1,2-Dichloroethane-d4
Concen: 62.002 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 65 Resp: 295336
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023328.D

Acq: 10 Sep 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

RPXY5

Tgt Ion:114 Resp: 103232

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

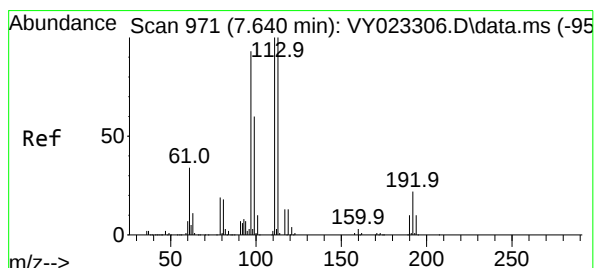
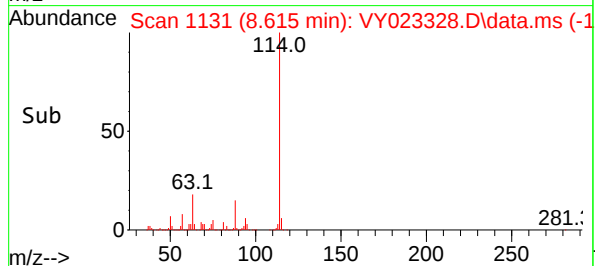
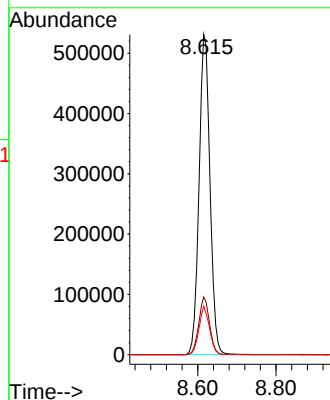
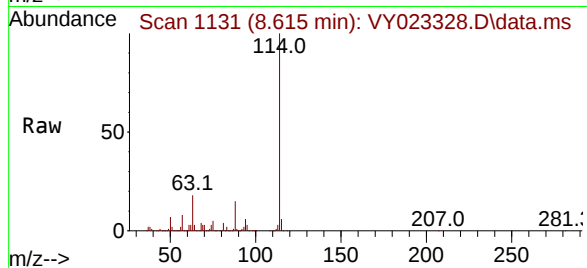
88 15.2 0.0 30.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025

Supervised By :Semsettin Yesilyurt 09/11/2025



#35

Dibromofluoromethane

Concen: 54.188 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023328.D

Acq: 10 Sep 2025 12:49

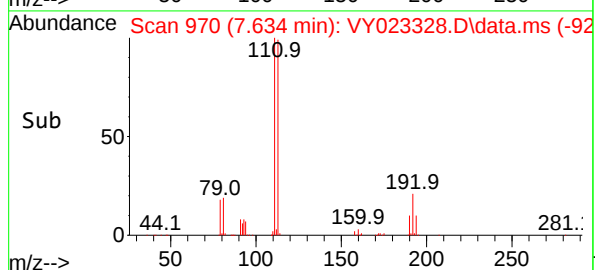
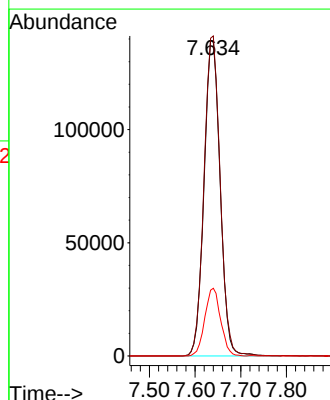
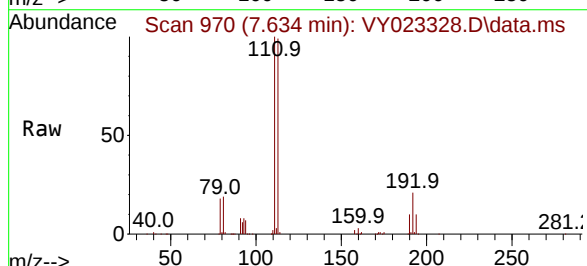
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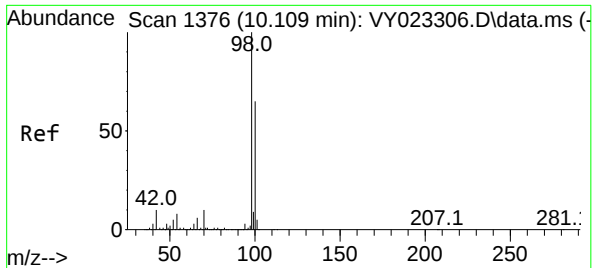
Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

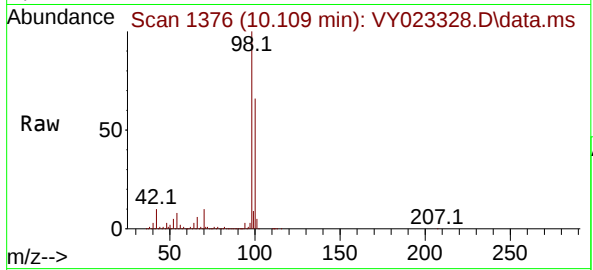
192 21.1 16.2 24.4





#50
Toluene-d8
Concen: 52.053 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

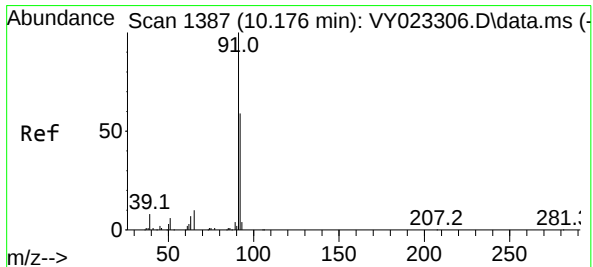
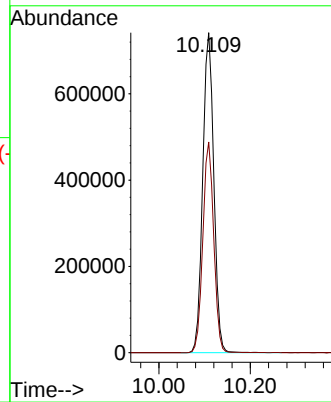
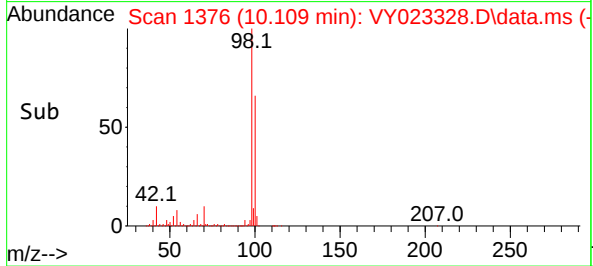
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5



Tgt Ion: 98 Resp: 1240309
Ion Ratio Lower Upper
98 100
100 64.8 52.3 78.5

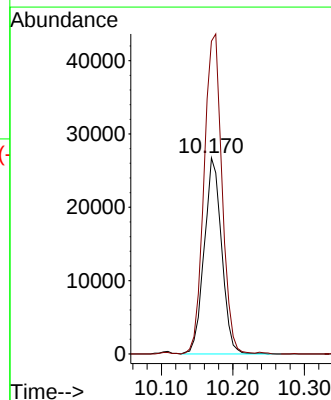
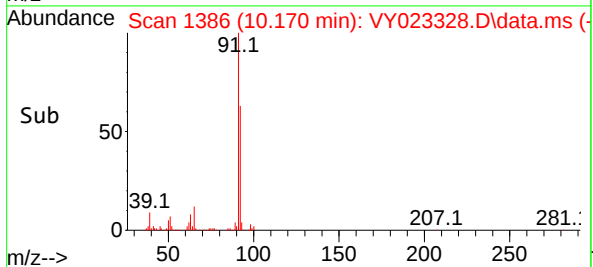
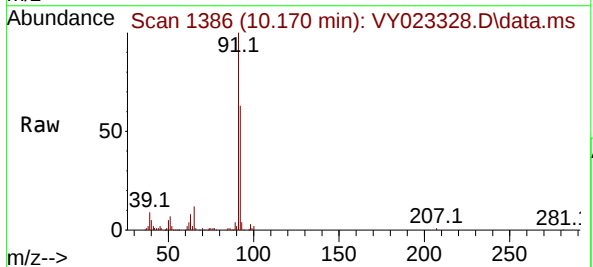
Manual Integrations
APPROVED

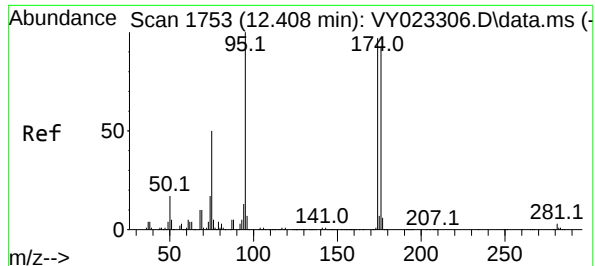
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



#52
Toluene
Concen: 2.549 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

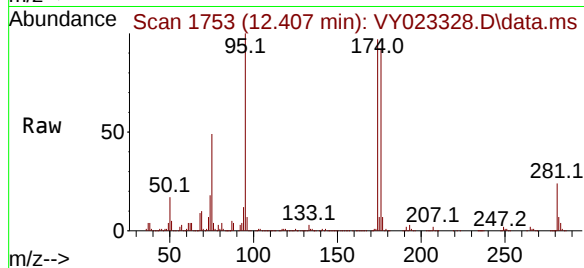
Tgt Ion: 92 Resp: 45192
Ion Ratio Lower Upper
92 100
91 168.3 136.4 204.6





#62
4-Bromofluorobenzene
Concen: 54.593 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

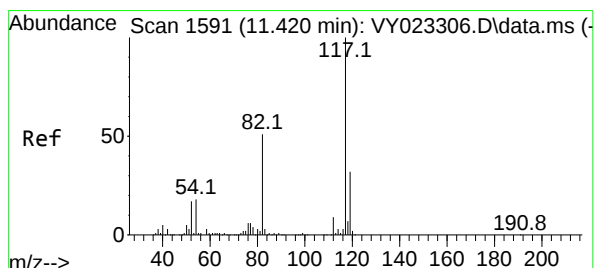
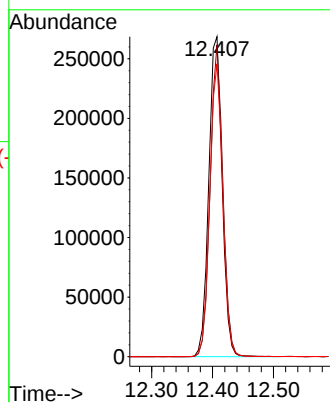
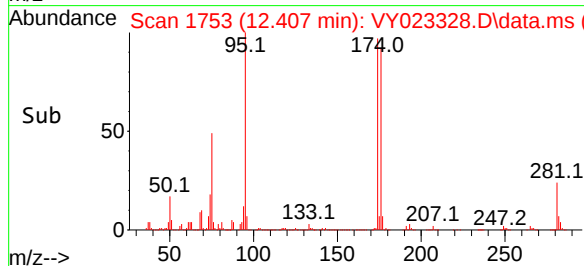
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5



Tgt Ion: 95 Resp: 40936
Ion Ratio Lower Upper
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176 89.7 0.0 167.6

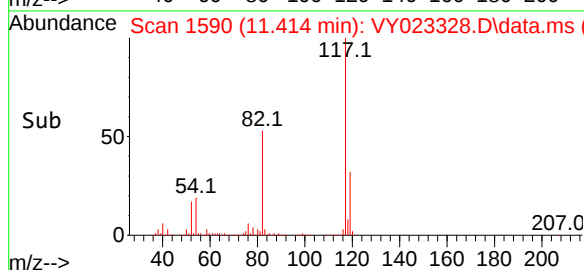
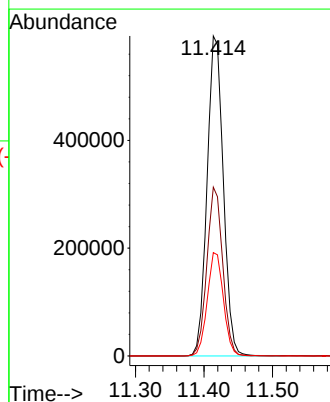
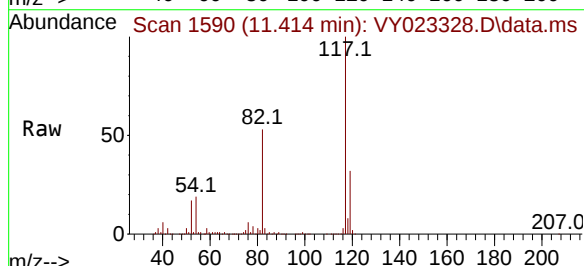
Manual Integrations
APPROVED

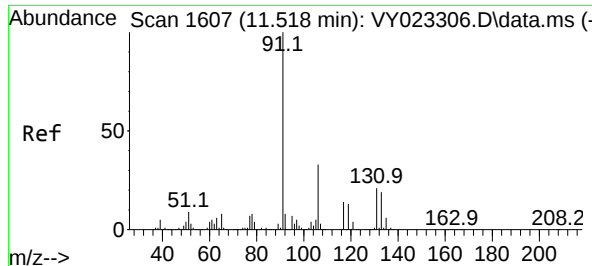
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:117 Resp: 977441
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.3 25.6 38.4





#67

Ethyl Benzene

Concen: 106.388 ug/l

RT: 11.517 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023328.D

Acq: 10 Sep 2025 12:49

Instrument :

MSVOA_Y

ClientSampleId :

RPXY5

Tgt Ion: 91 Resp: 372173

Ion Ratio Lower Upper

91 100

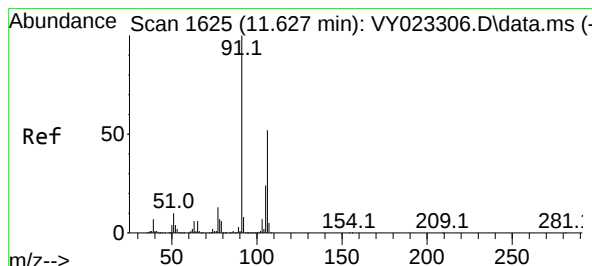
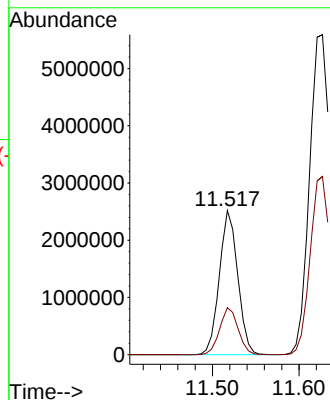
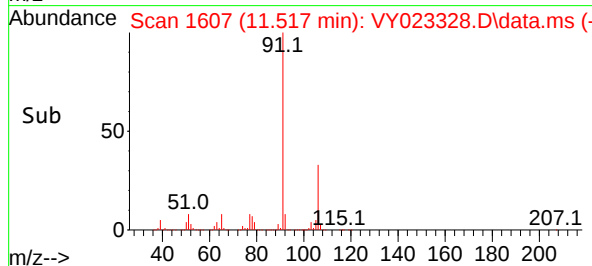
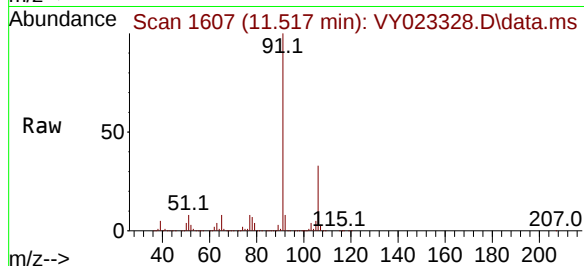
106 32.6 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025

Supervised By :Semsettin Yesilyurt 09/11/2025



#68

m/p-Xylenes

Concen: 374.226 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. 0.006 min

Lab File: VY023328.D

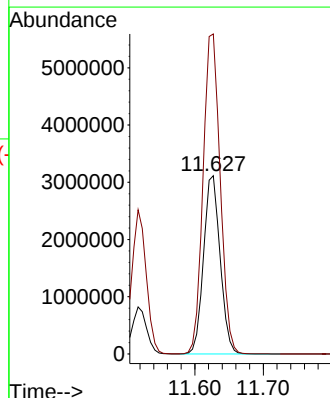
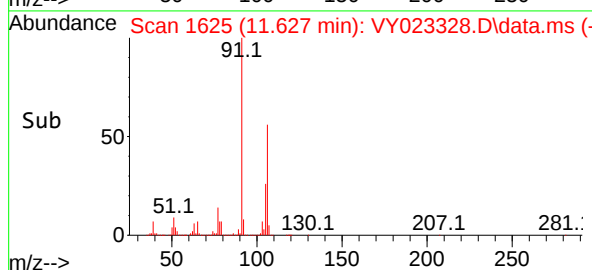
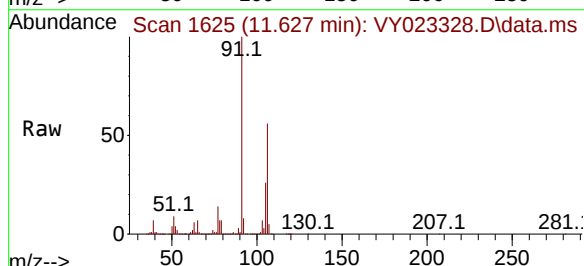
Acq: 10 Sep 2025 12:49

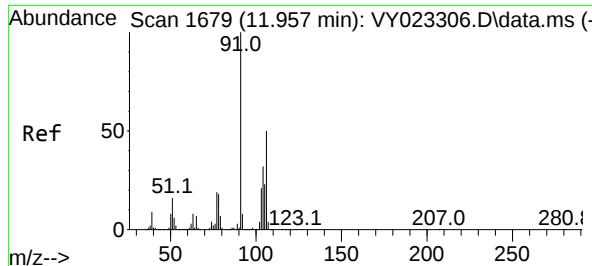
Tgt Ion:106 Resp: 5242152

Ion Ratio Lower Upper

106 100

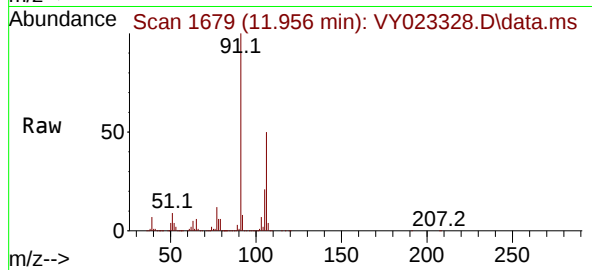
91 185.8 158.6 238.0





#69
o-Xylene
Concen: 96.856 ug/l
RT: 11.956 min Scan# 1679
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

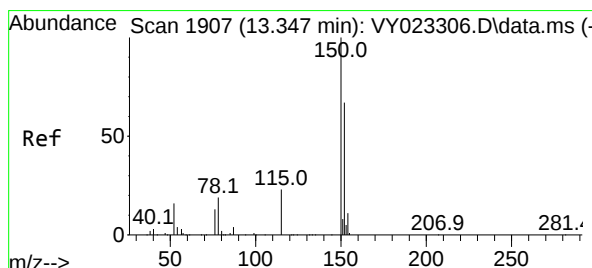
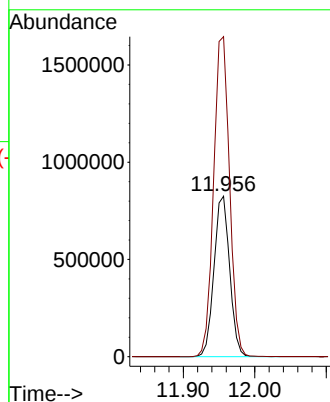
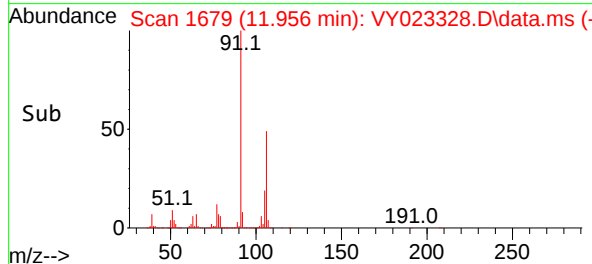
Instrument :
MSVOA_Y
ClientSampleId :
RPXY5



Tgt Ion:106 Resp: 1255978
Ion Ratio Lower Upper
106 100
91 202.8 103.2 309.4

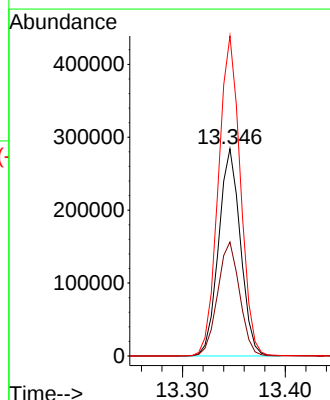
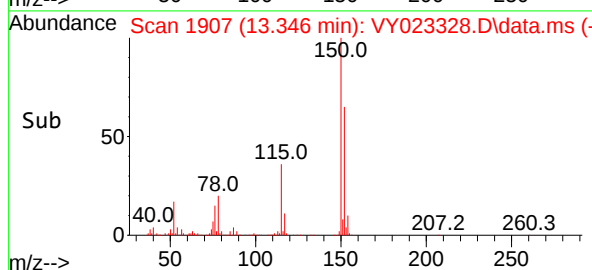
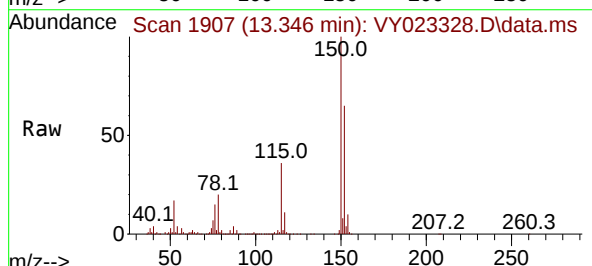
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:152 Resp: 418953
Ion Ratio Lower Upper
152 100
115 55.7 28.2 84.6
150 155.8 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M

Title : SW846 8260

Signal : TIC: VY023328.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.640	959	971	977	rBV	462036	1148799	4.06%	1.898%
2	7.713	977	983	995	rVB	674993	1516600	5.36%	2.506%
3	8.061	1031	1040	1057	rBV	385458	849932	3.00%	1.405%
4	8.615	1122	1131	1146	rBV	1172933	2275341	8.03%	3.760%
5	10.109	1365	1376	1382	rBV	1887280	3165464	11.18%	5.231%
6	11.414	1582	1590	1600	rBV	1730586	2839489	10.03%	4.692%
7	11.517	1600	1607	1617	rVV	5632129	8348720	29.48%	13.796%
8	11.627	1617	1625	1643	rVB	16528109	28318886	100.00%	46.797%
9	11.956	1669	1679	1692	rBV	4518490	7016662	24.78%	11.595%
10	12.407	1744	1753	1766	rBV2	1569912	2621072	9.26%	4.331%
11	13.346	1891	1907	1919	rBV	1569534	2413879	8.52%	3.989%

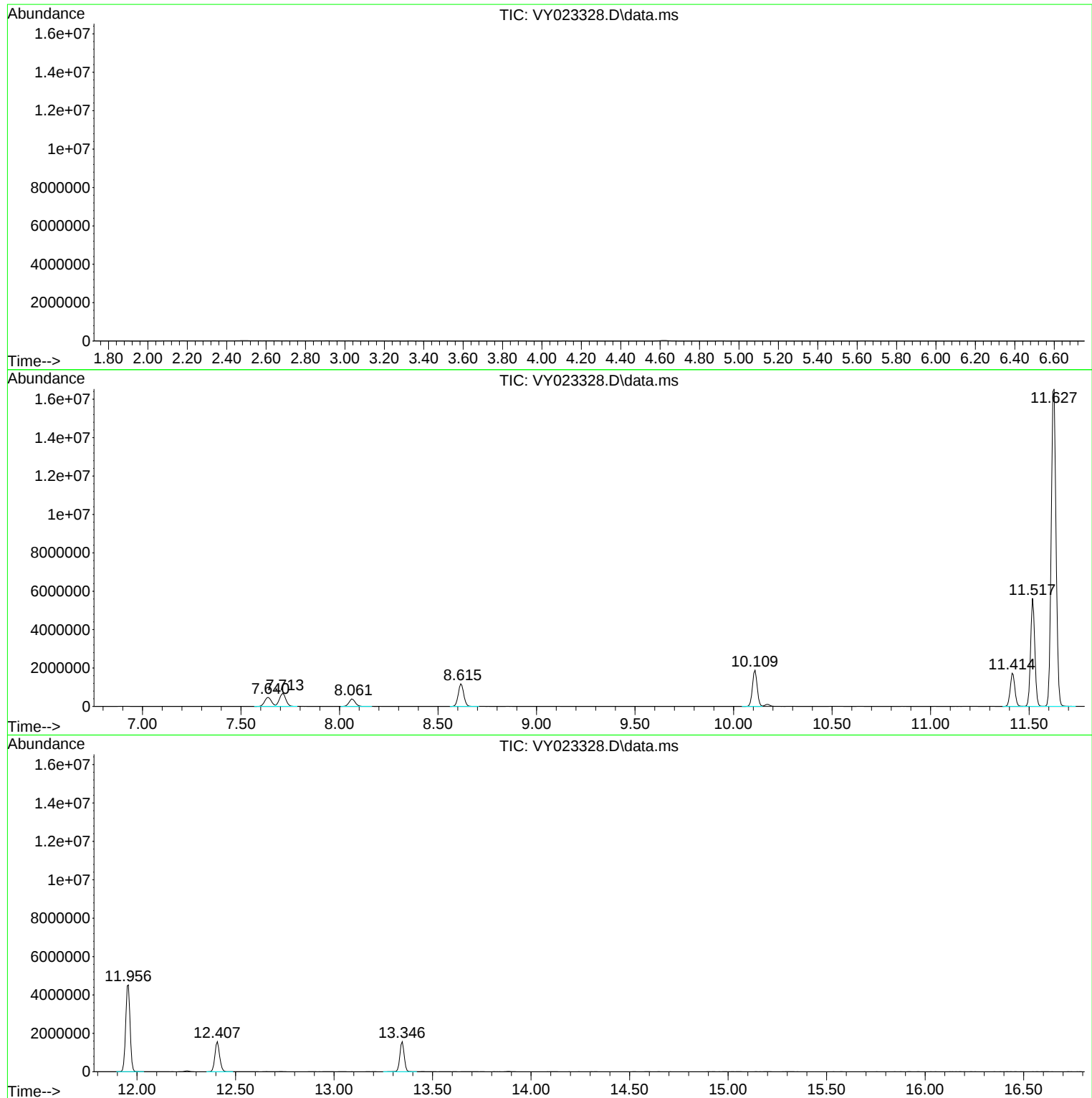
Sum of corrected areas: 60514844

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.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--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087839.D
Acq On : 15 Sep 2025 15:43
Operator : JC\MD
Sample : Q3058-01ME
Misc : 6.28g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Quant Time: Sep 16 01:41:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

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

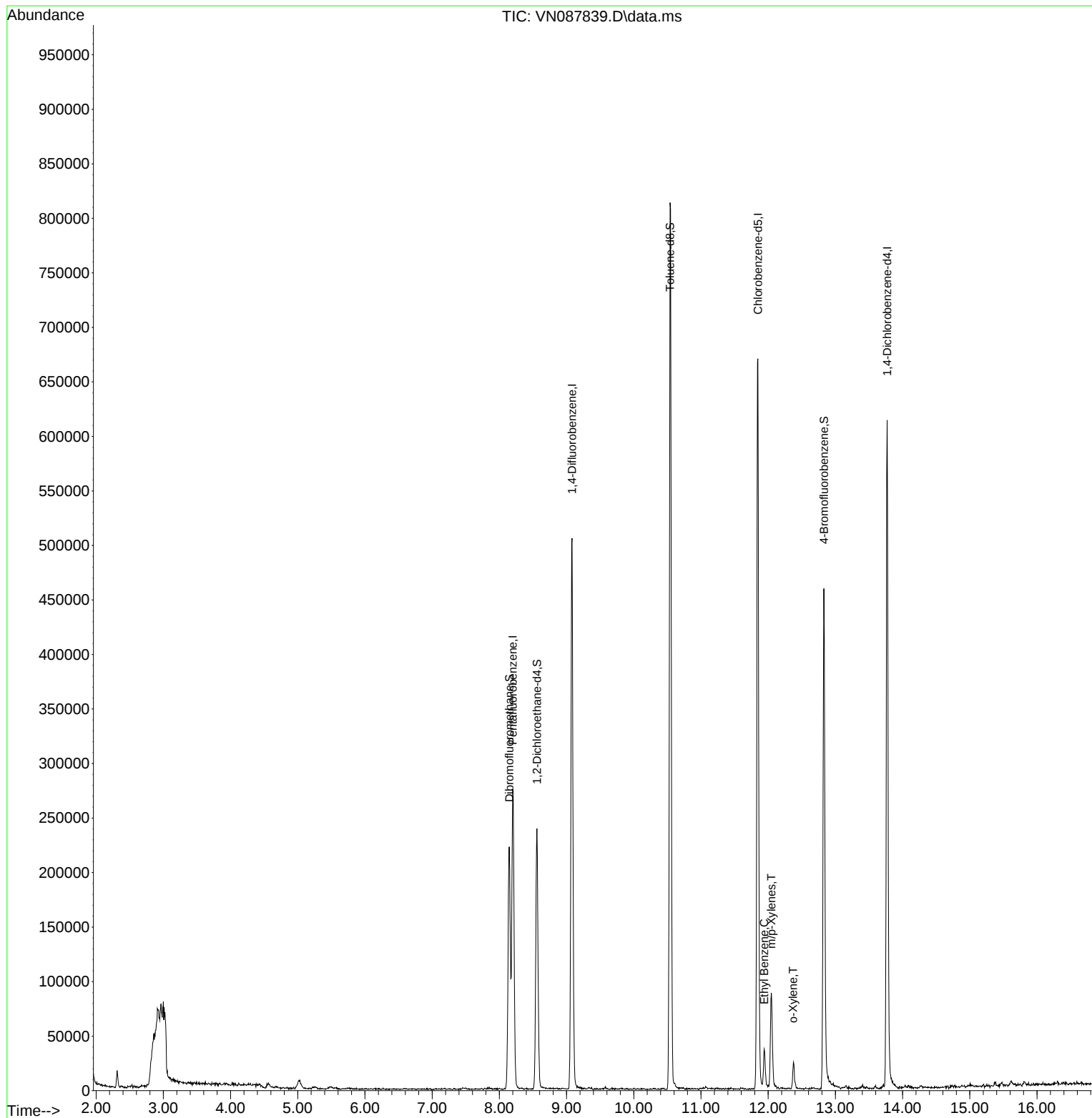
Internal Standards						
1) Pentafluorobenzene	8.200	168	191442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	434787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	386645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	170499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	198573	50.625	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.260%	
35) Dibromofluoromethane	8.147	113	158865	50.608	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.220%	
50) Toluene-d8	10.541	98	549825	46.796	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.600%	
62) 4-Bromofluorobenzene	12.829	95	166435	39.832	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 79.660%	
Target Compounds						
						Qvalue
67) Ethyl Benzene	11.941	91	25828	1.551	ug/l	96
68) m/p-Xylenes	12.047	106	28891	4.730	ug/l	94
69) o-Xylene	12.370	106	7729	1.291	ug/l	78

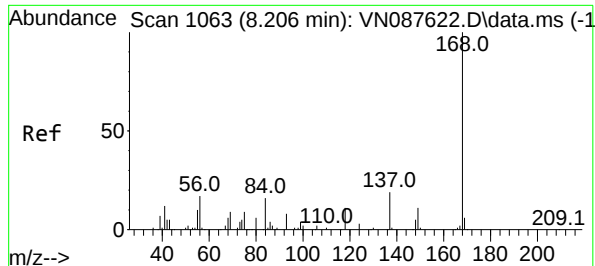
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087839.D
Acq On : 15 Sep 2025 15:43
Operator : JC\MD
Sample : Q3058-01ME
Misc : 6.28g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

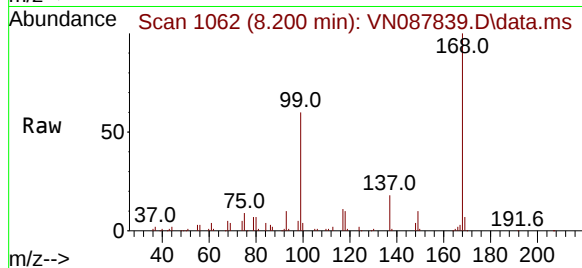
Quant Time: Sep 16 01:41:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



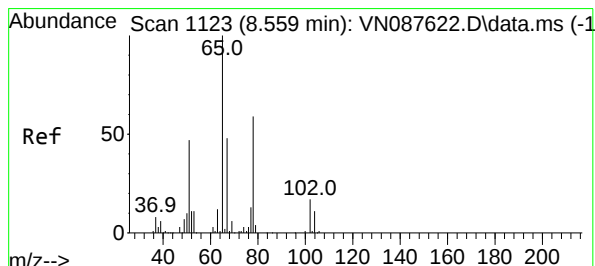
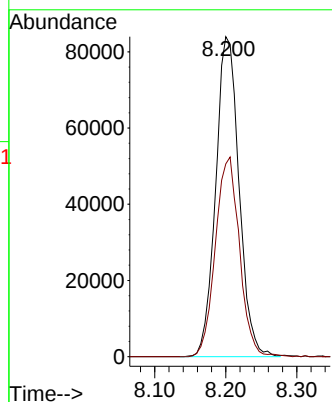
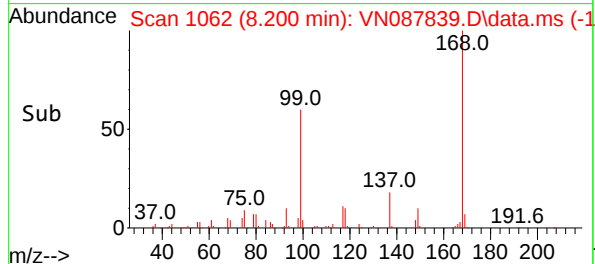


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

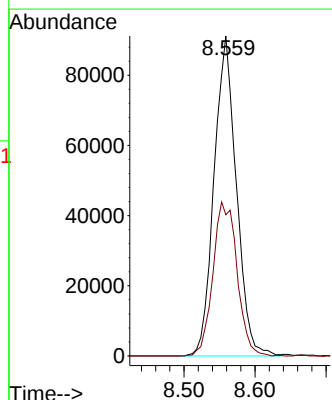
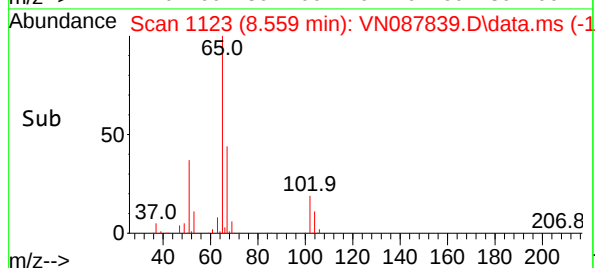
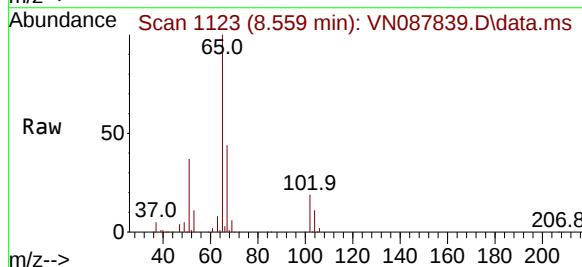


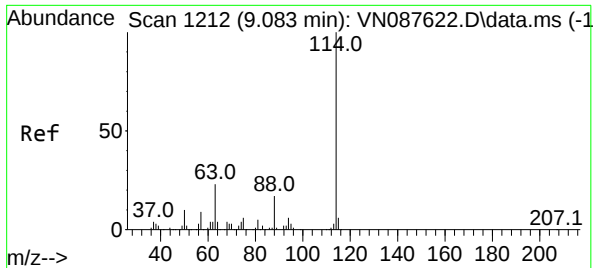
Tgt Ion:168 Resp: 191442
Ion Ratio Lower Upper
168 100
99 60.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 50.625 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion: 65 Resp: 198573
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087839.D

Acq: 15 Sep 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

RPXY5ME

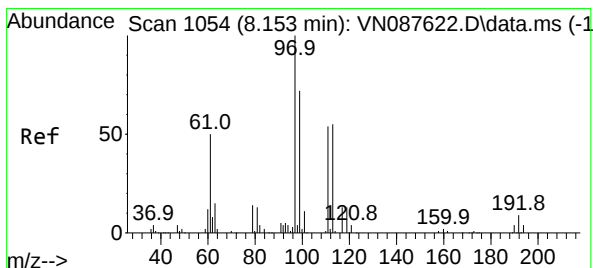
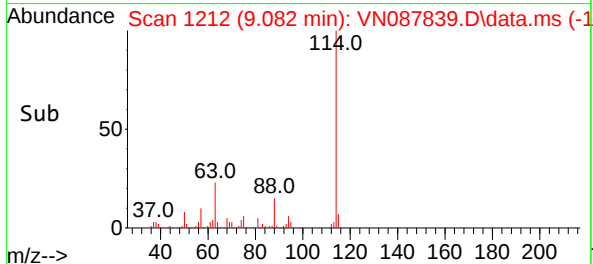
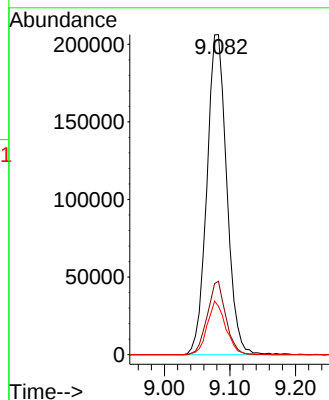
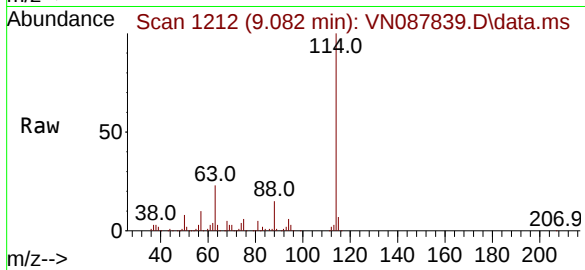
Tgt Ion:114 Resp: 434787

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 15.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.608 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087839.D

Acq: 15 Sep 2025 15:43

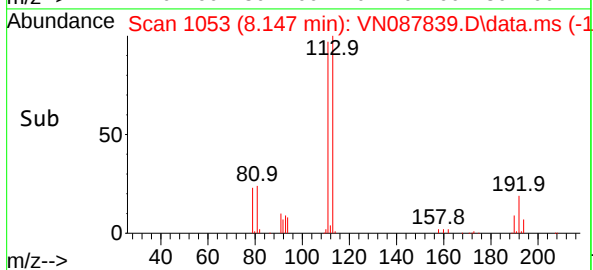
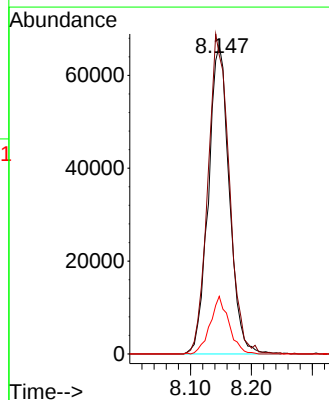
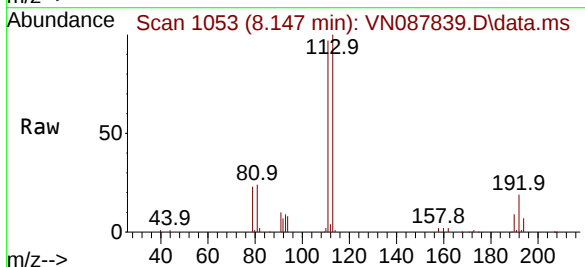
Tgt Ion:113 Resp: 158865

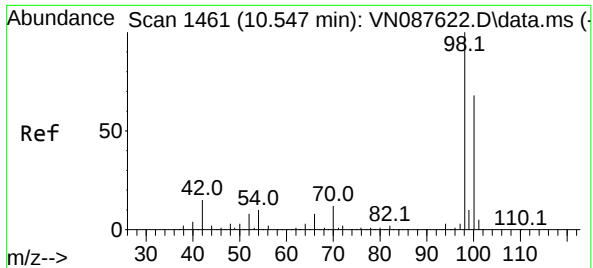
Ion Ratio Lower Upper

113 100

111 105.7 82.8 124.2

192 16.8 12.8 19.2

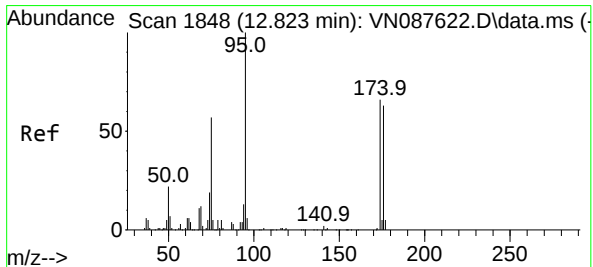
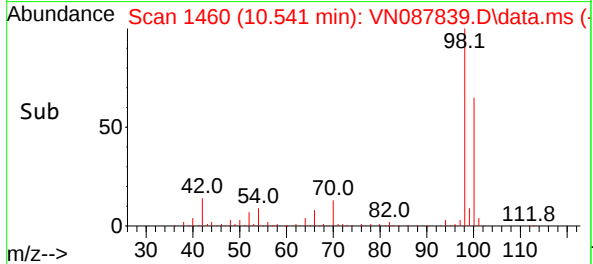
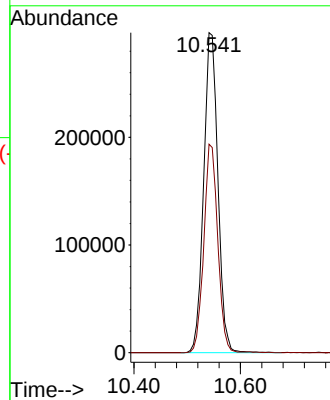
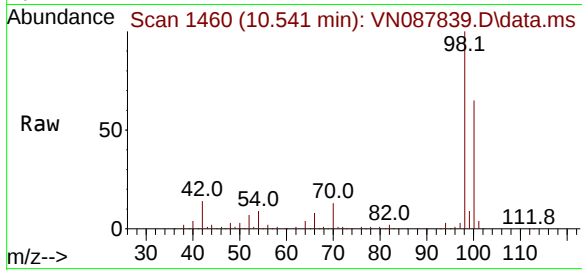




#50
Toluene-d8
Concen: 46.796 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

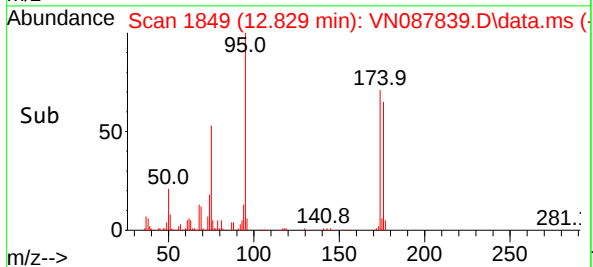
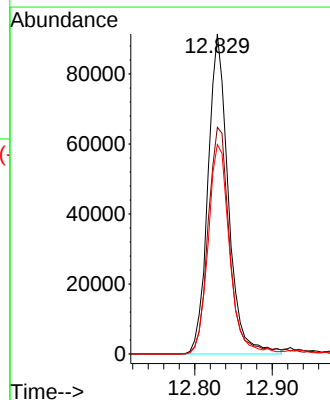
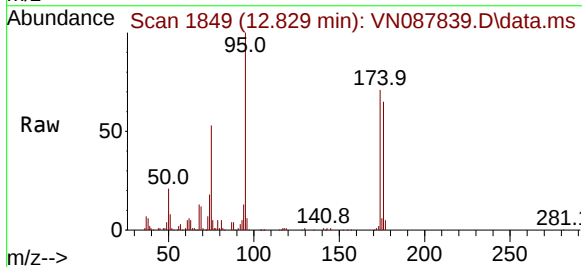
Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

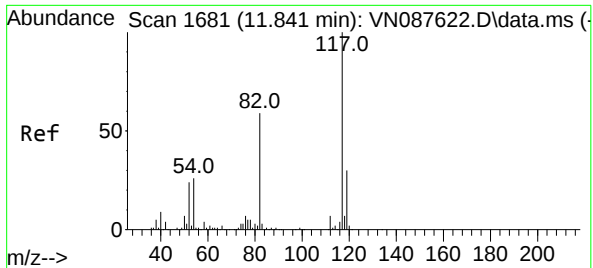
Tgt Ion: 98 Resp: 549825
Ion Ratio Lower Upper
98 100
100 63.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 39.832 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

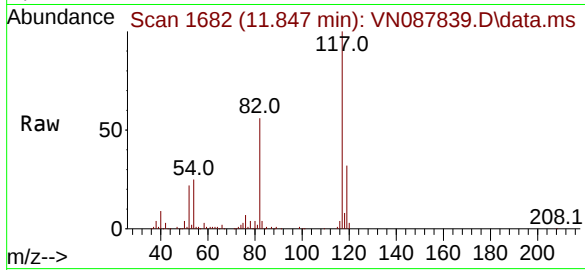
Tgt Ion: 95 Resp: 166435
Ion Ratio Lower Upper
95 100
174 76.1 0.0 138.4
176 69.0 0.0 132.6



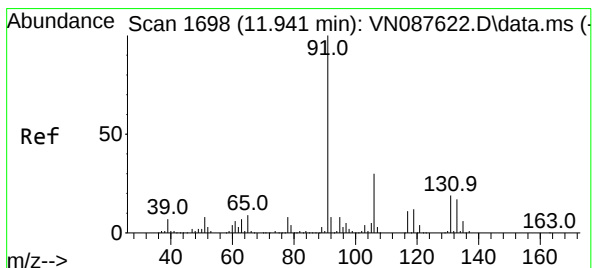
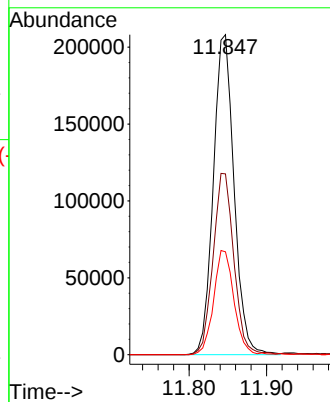
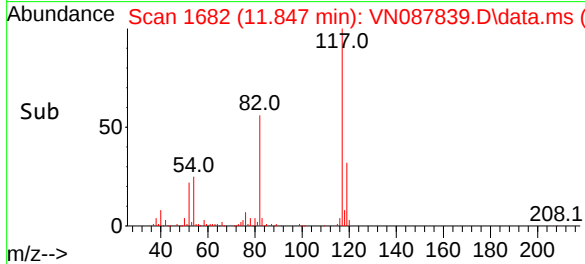


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1177
Delta R.T. 0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

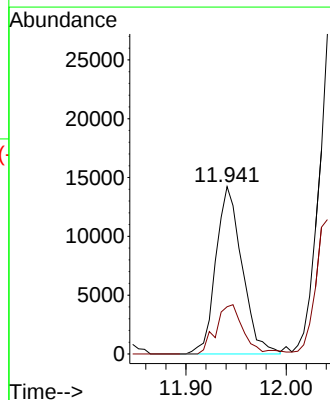
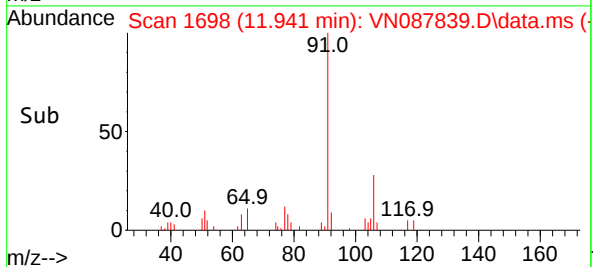
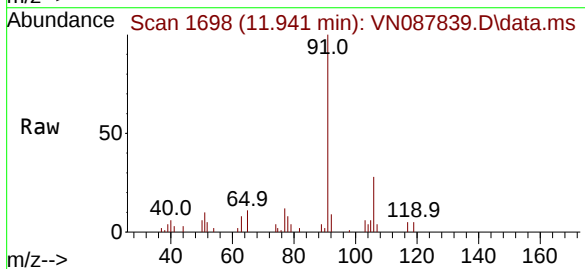


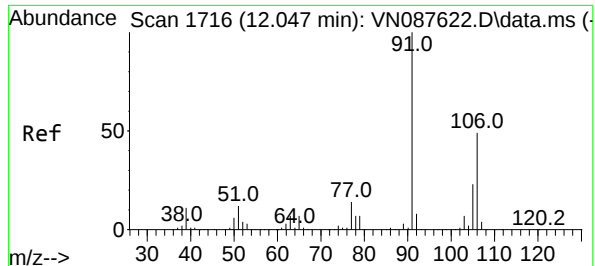
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.4	71.2
119	32.2	24.3	36.5



#67
Ethyl Benzene
Concen: 1.551 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.2	24.1	36.1





#68

m/p-Xylenes

Concen: 4.730 ug/l

RT: 12.047 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087839.D

Acq: 15 Sep 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

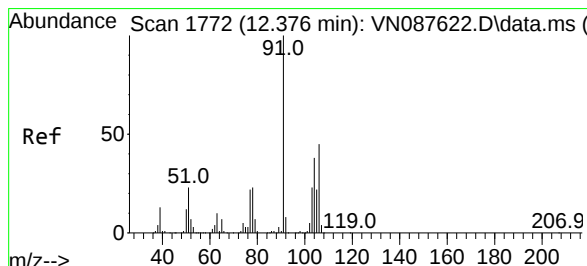
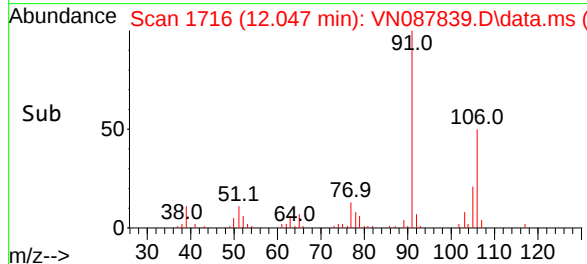
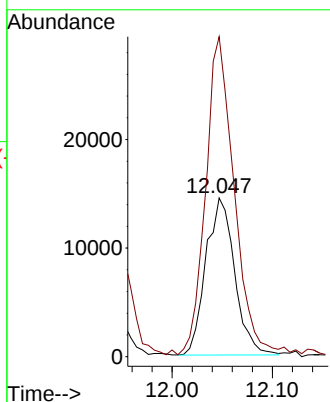
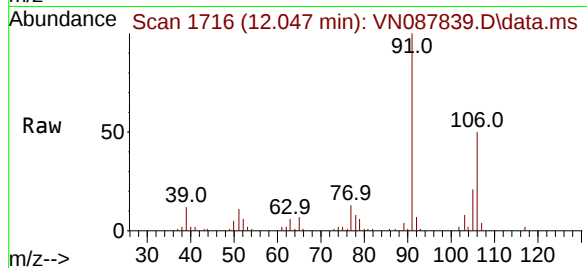
RPXY5ME

Tgt Ion:106 Resp: 28891

Ion Ratio Lower Upper

106 100

91 201.7 169.3 253.9



#69

o-Xylene

Concen: 1.291 ug/l

RT: 12.370 min Scan# 1771

Delta R.T. -0.006 min

Lab File: VN087839.D

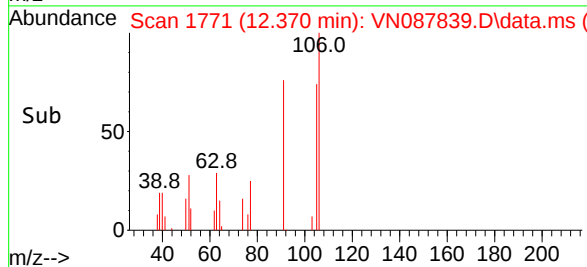
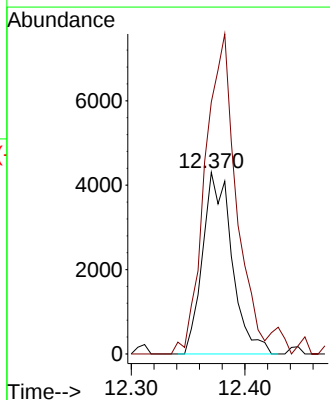
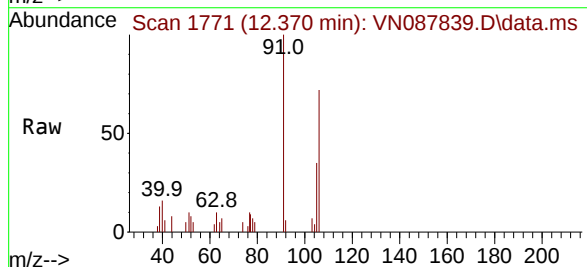
Acq: 15 Sep 2025 15:43

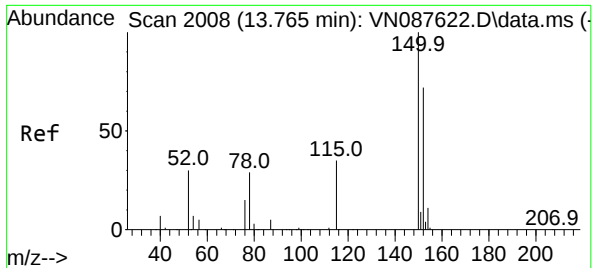
Tgt Ion:106 Resp: 7729

Ion Ratio Lower Upper

106 100

91 186.6 111.4 334.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN087839.D

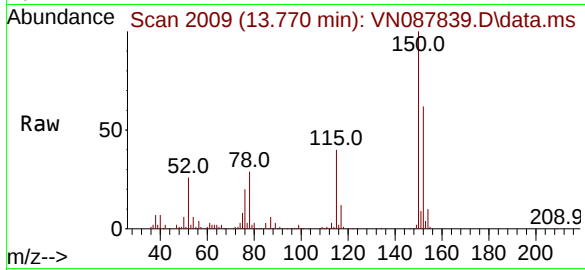
Acq: 15 Sep 2025 15:43

Instrument :

MSVOA_N

ClientSampleId :

RPXY5ME



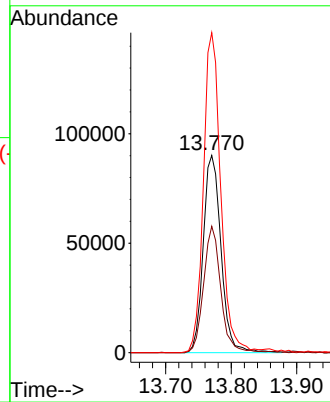
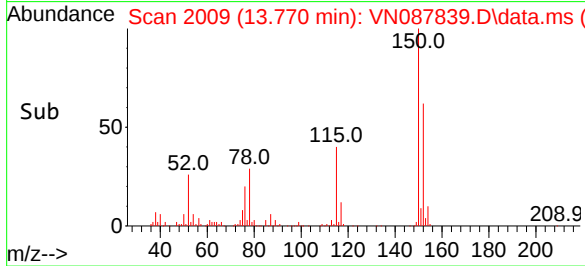
Tgt Ion:152 Resp: 170499

Ion Ratio Lower Upper

152 100

115 62.1 32.3 96.8

150 158.1 0.0 351.0



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023329.D
 Acq On : 10 Sep 2025 13:12
 Operator : SY/MD
 Sample : Q3058-02
 Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RPXY4

Quant Time: Sep 11 04:23:09 2025
 Quant Title :
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

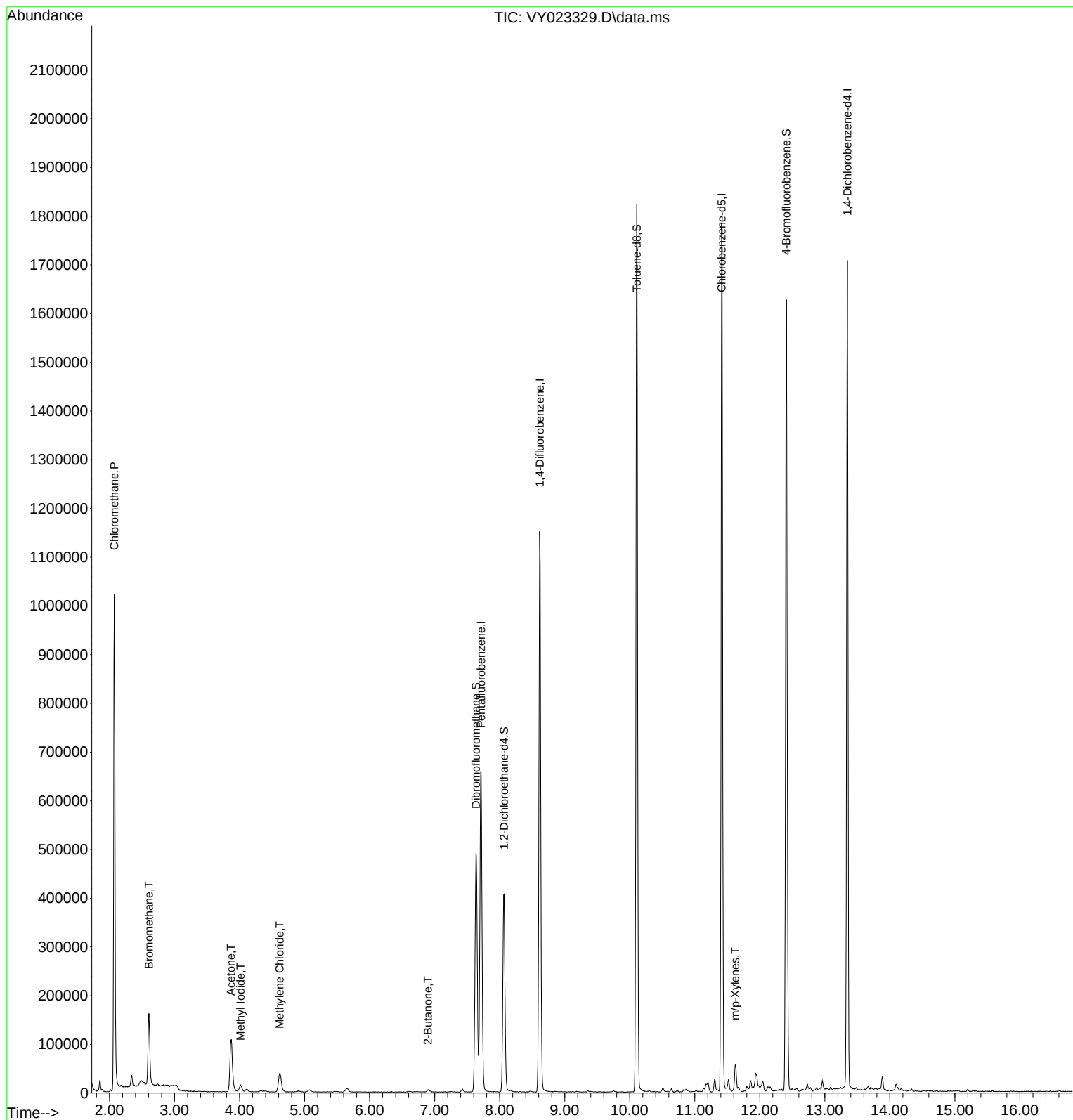
Internal Standards						
1) Pentafluorobenzene	7.713	168	539229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1018906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1004230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	442394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	321894	67.935	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.860%	
35) Dibromofluoromethane	7.634	113	360585	57.895	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.800%	
50) Toluene-d8	10.109	98	1196744	50.886	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.780%	
62) 4-Bromofluorobenzene	12.408	95	410835	55.510	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	879022	141.998	ug/l	100
5) Bromomethane	2.604	94	104479	16.407	ug/l	94
10) Methyl Iodide	4.013	142	22484	3.641	ug/l	99
16) Acetone	3.866	43	186911	173.178	ug/l	97
20) Methylene Chloride	4.616	84	30418	5.268	ug/l	95
25) 2-Butanone	6.896	43	7642	5.753	ug/l	94
68) m/p-Xylenes	11.621	106	16972	1.179	ug/l	99

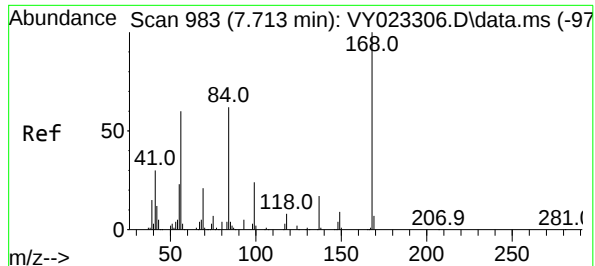
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Time: Sep 11 04:23:09 2025
Quant Title :
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

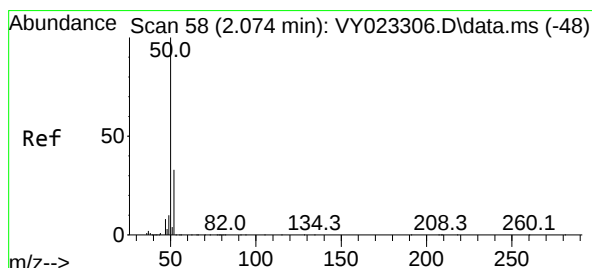
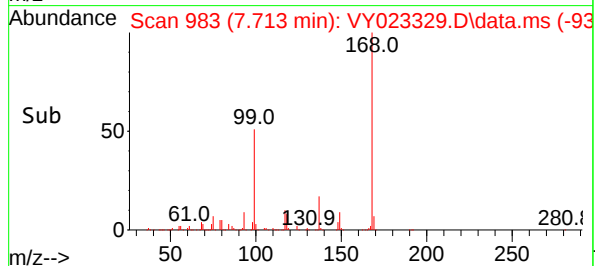
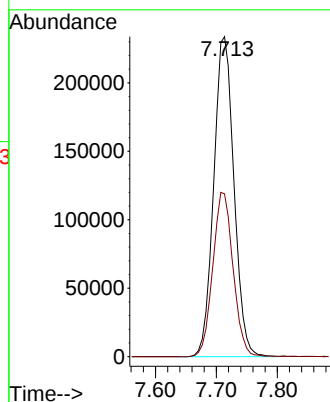
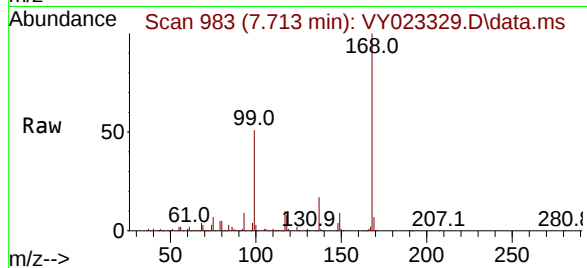




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

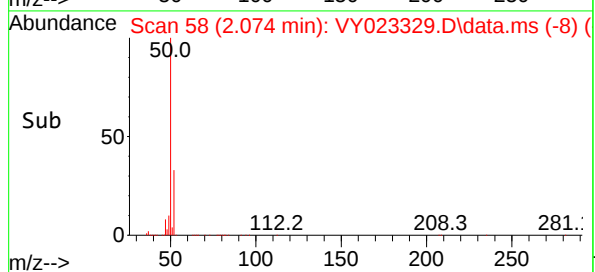
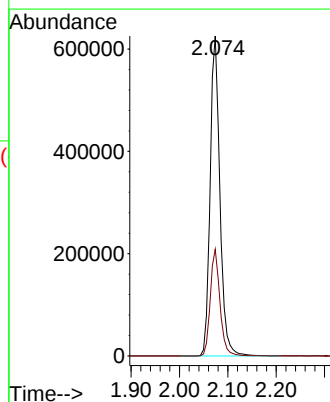
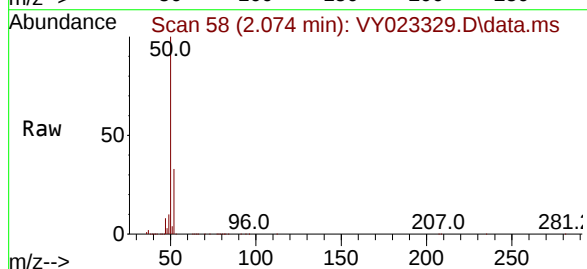
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

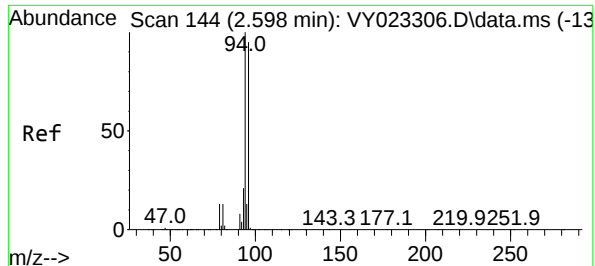
Tgt Ion:168 Resp: 539229
Ion Ratio Lower Upper
168 100
99 50.9 42.8 64.2



#3
Chloromethane
Concen: 141.998 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 50 Resp: 879022
Ion Ratio Lower Upper
50 100
52 33.4 26.7 40.1

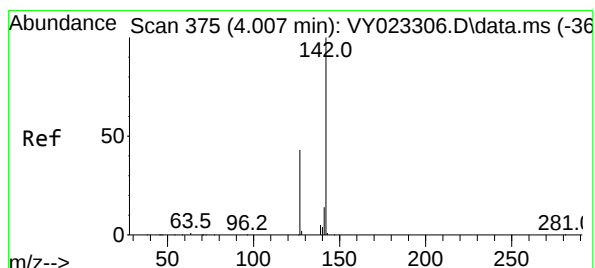
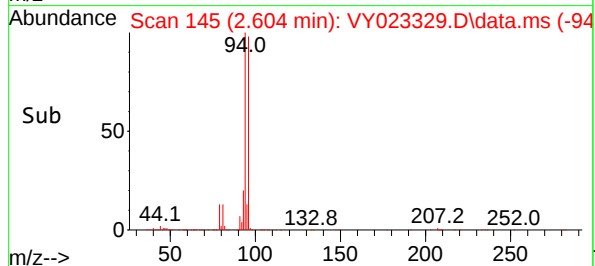
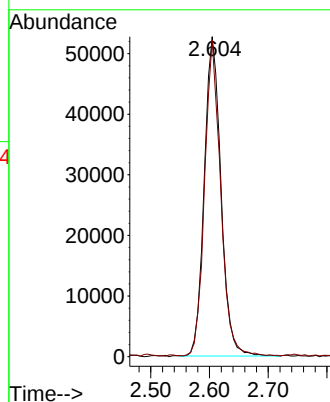
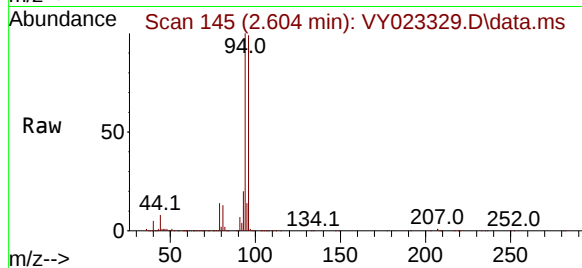




#5
Bromomethane
Concen: 16.407 ug/l
RT: 2.604 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

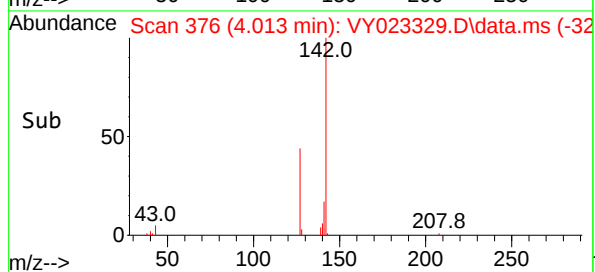
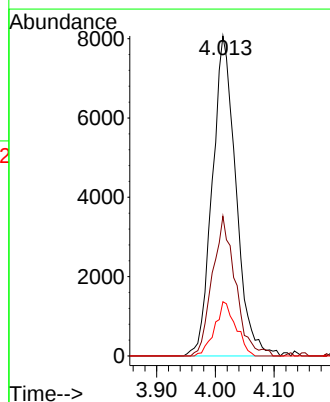
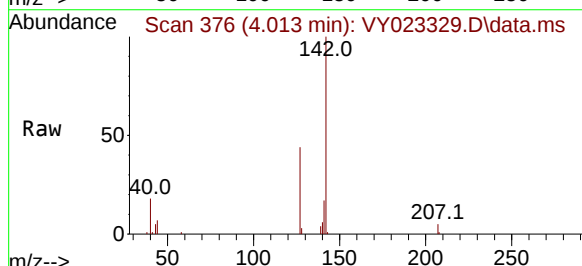
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

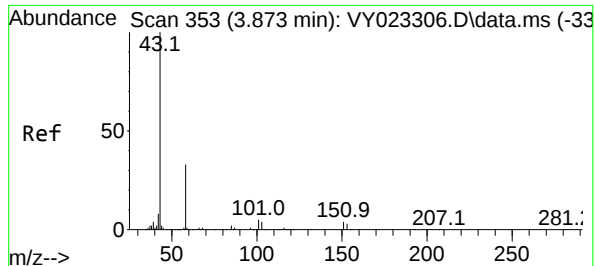
Tgt Ion: 94 Resp: 104479
Ion Ratio Lower Upper
94 100
96 98.7 74.6 112.0



#10
Methyl Iodide
Concen: 3.641 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 142 Resp: 22484
Ion Ratio Lower Upper
142 100
127 42.9 34.9 52.3
141 15.2 11.3 16.9

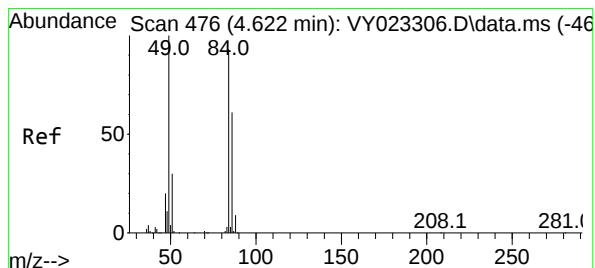
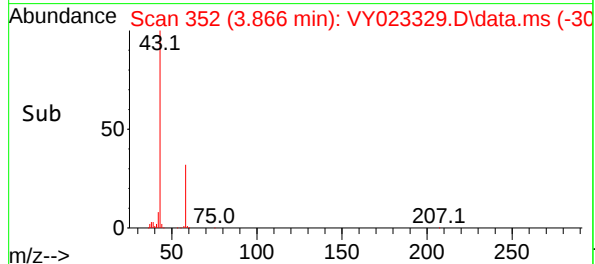
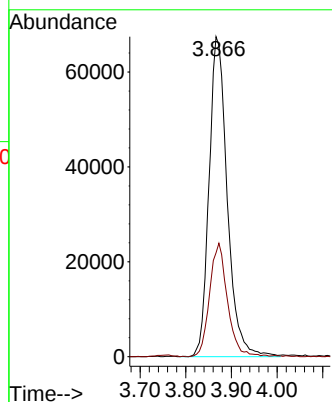
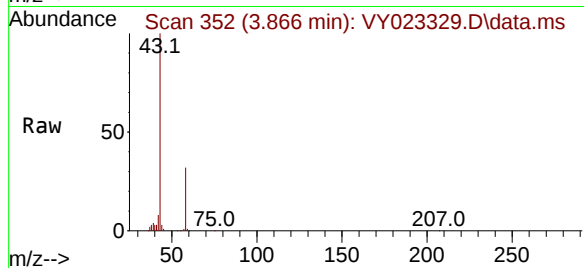




#16
Acetone
Concen: 173.178 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

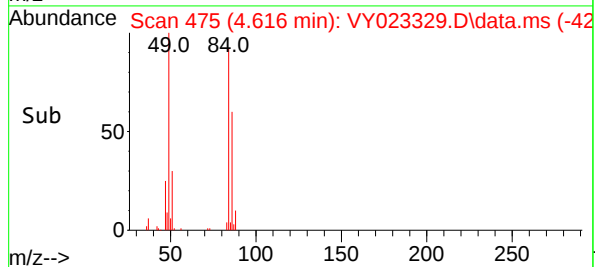
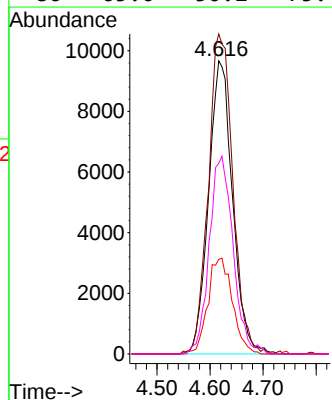
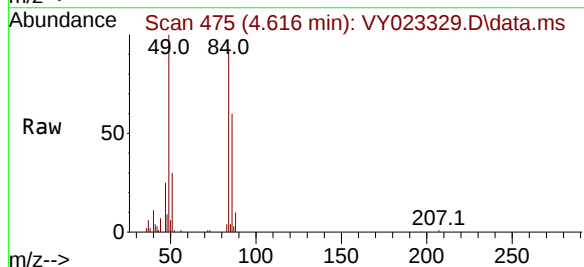
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

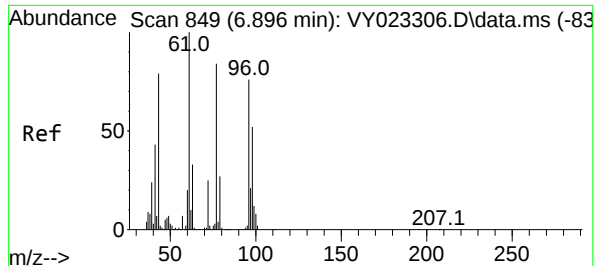
Tgt Ion: 43 Resp: 186911
Ion Ratio Lower Upper
43 100
58 32.4 27.1 40.7



#20
Methylene Chloride
Concen: 5.268 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 84 Resp: 30418
Ion Ratio Lower Upper
84 100
49 109.2 93.0 139.6
51 32.3 29.0 43.4
86 65.0 50.2 75.4





#25

2-Butanone

Concen: 5.753 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY023329.D

Acq: 10 Sep 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

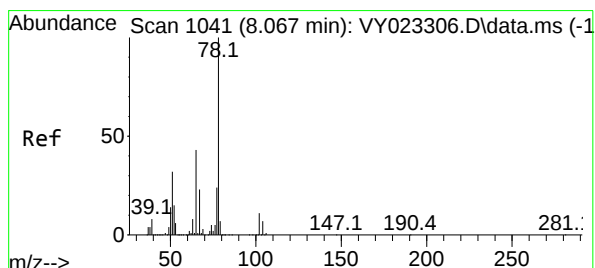
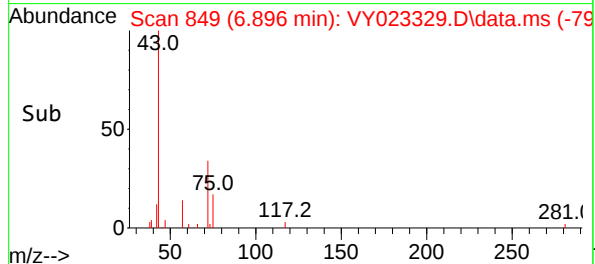
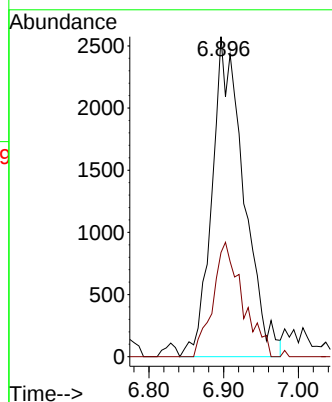
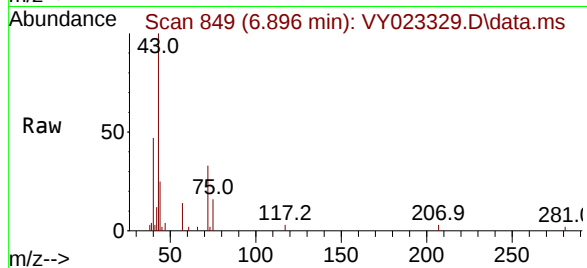
RPXY4

Tgt Ion: 43 Resp: 7642

Ion Ratio Lower Upper

43 100

72 32.6 23.5 35.3



#33

1,2-Dichloroethane-d4

Concen: 67.935 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY023329.D

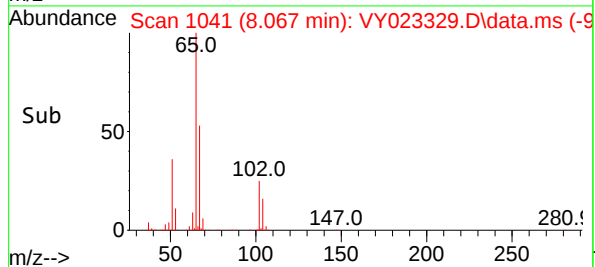
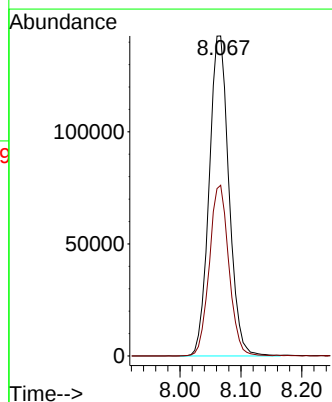
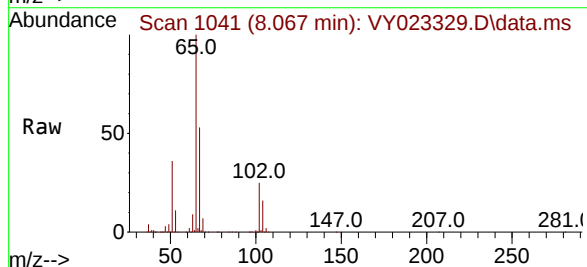
Acq: 10 Sep 2025 13:12

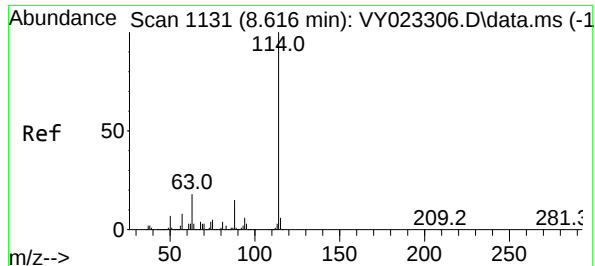
Tgt Ion: 65 Resp: 321894

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023329.D

Acq: 10 Sep 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

RPXY4

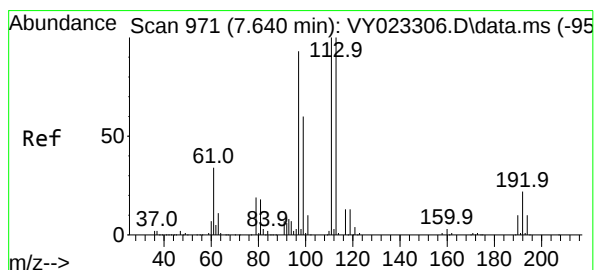
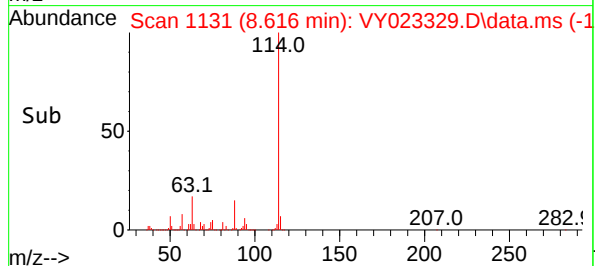
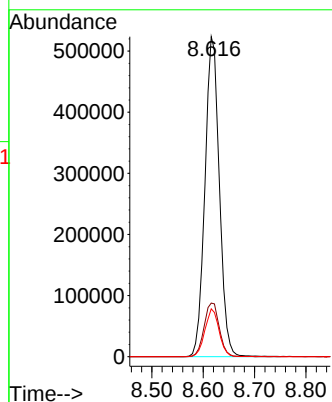
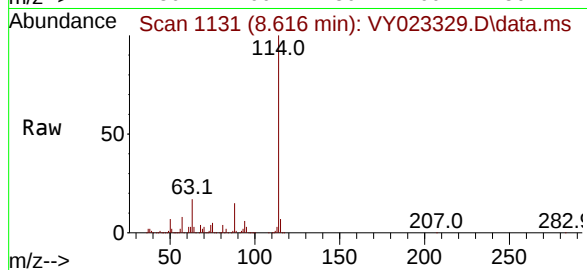
Tgt Ion:114 Resp: 1018906

Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 14.9 0.0 30.0



#35

Dibromofluoromethane

Concen: 57.895 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023329.D

Acq: 10 Sep 2025 13:12

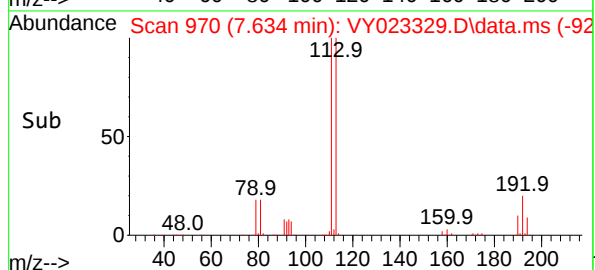
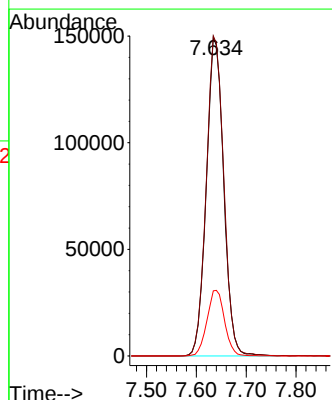
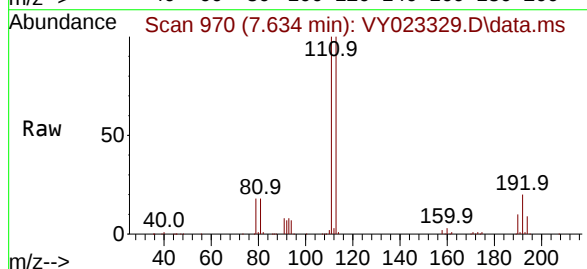
Tgt Ion:113 Resp: 360585

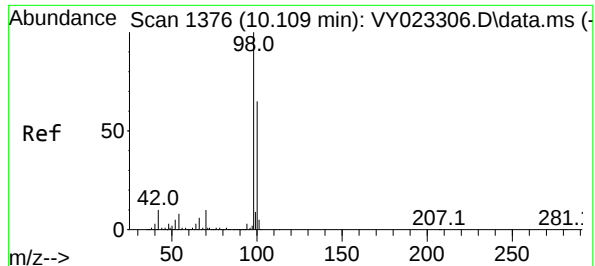
Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

192 20.9 16.2 24.4

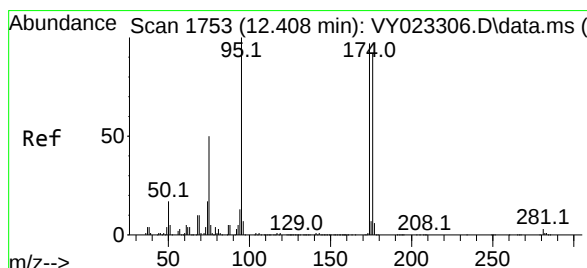
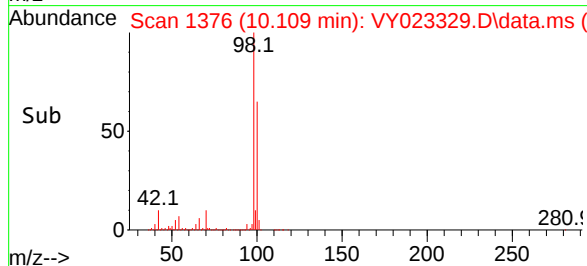
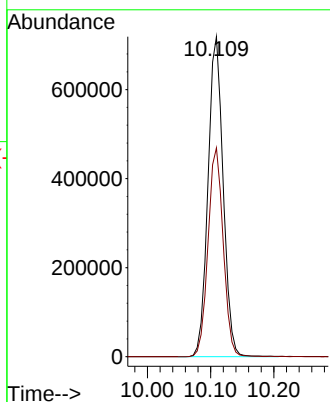
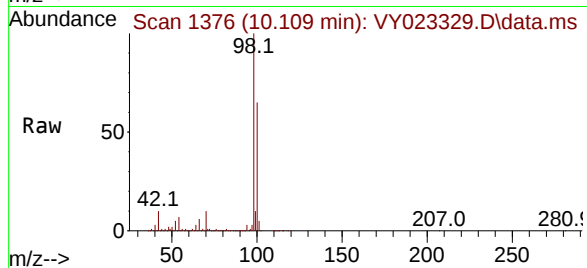




#50
Toluene-d8
Concen: 50.886 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

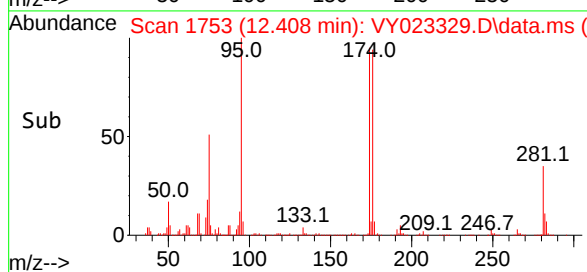
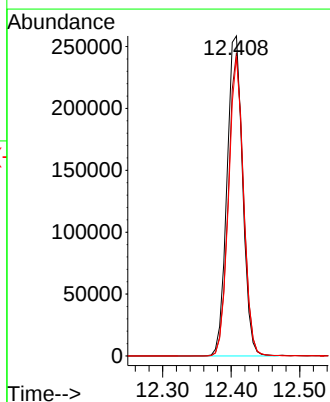
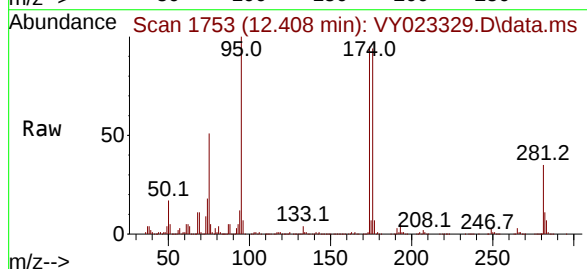
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

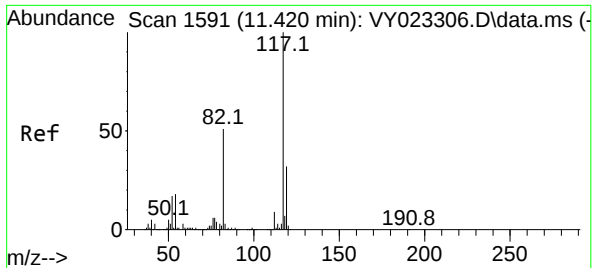
Tgt Ion: 98 Resp: 1196744
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 55.510 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 95 Resp: 410835
Ion Ratio Lower Upper
95 100
174 91.2 0.0 171.6
176 88.8 0.0 167.6

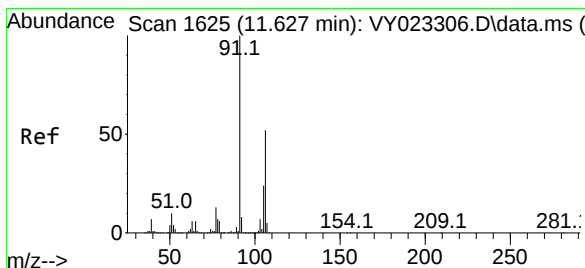
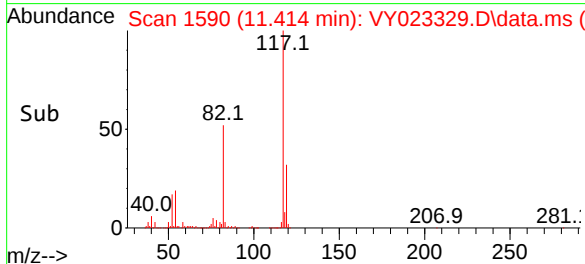
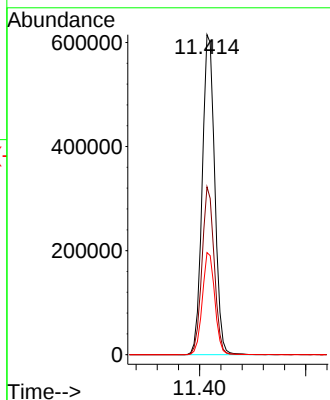
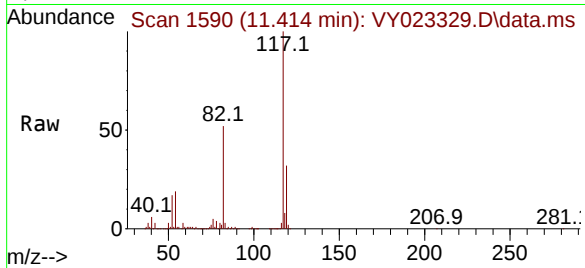




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

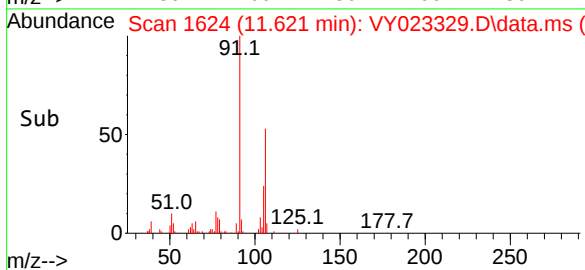
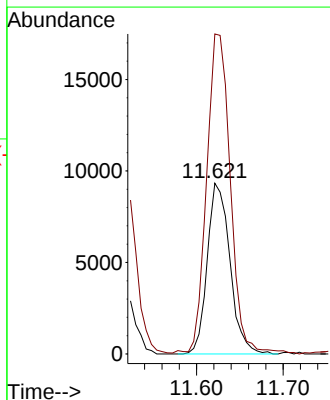
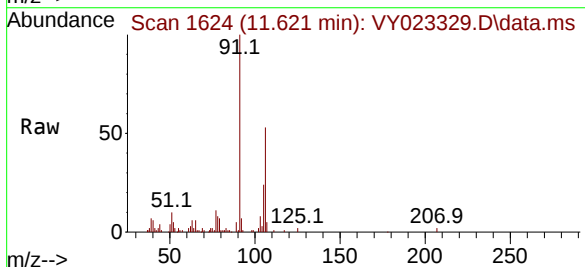
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

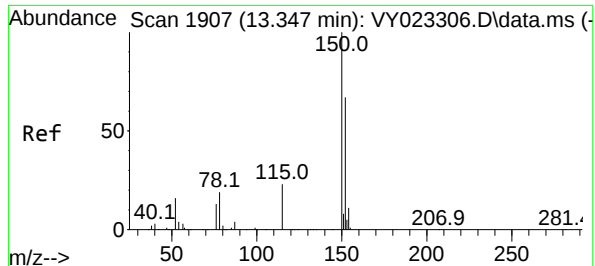
Tgt Ion:117 Resp: 1004230
Ion Ratio Lower Upper
117 100
82 52.4 43.4 65.0
119 31.9 25.6 38.4



#68
m/p-Xylenes
Concen: 1.179 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion:106 Resp: 16972
Ion Ratio Lower Upper
106 100
91 196.8 158.6 238.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023329.D

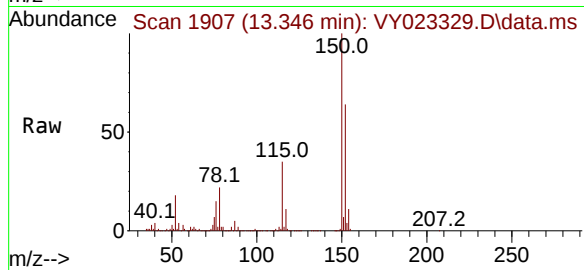
Acq: 10 Sep 2025 13:12

Instrument :

MSVOA_Y

ClientSampleId :

RPXY4



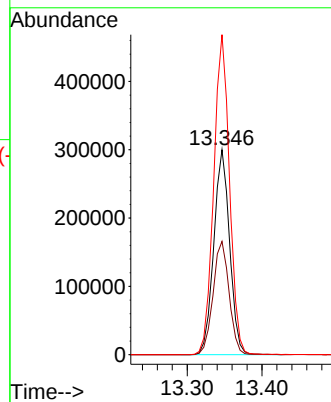
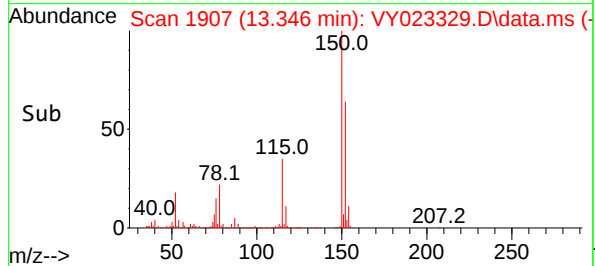
Tgt Ion:152 Resp: 442394

Ion Ratio Lower Upper

152 100

115 56.1 28.2 84.6

150 155.5 0.0 348.0

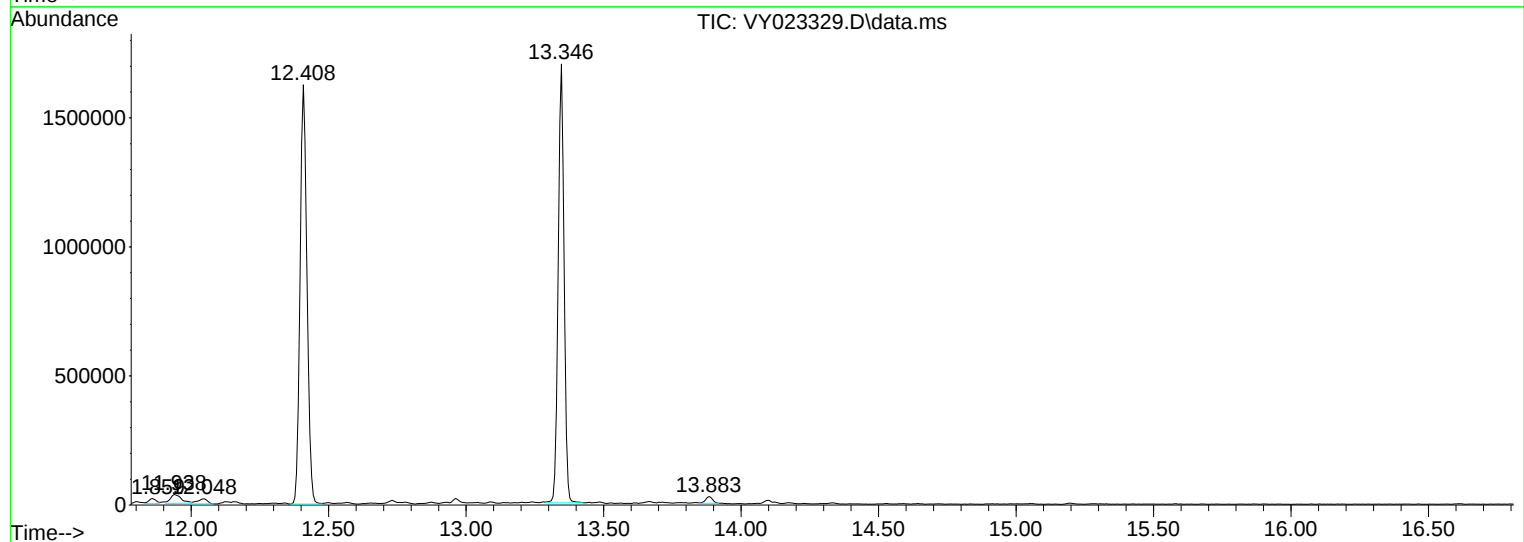
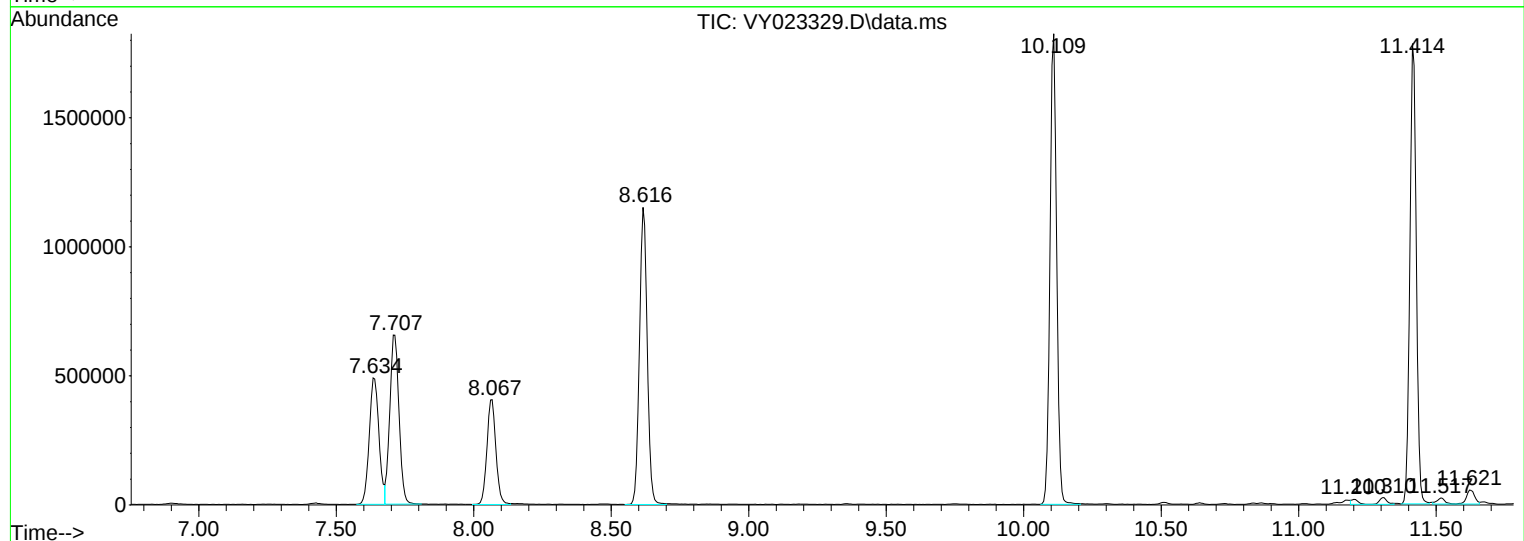
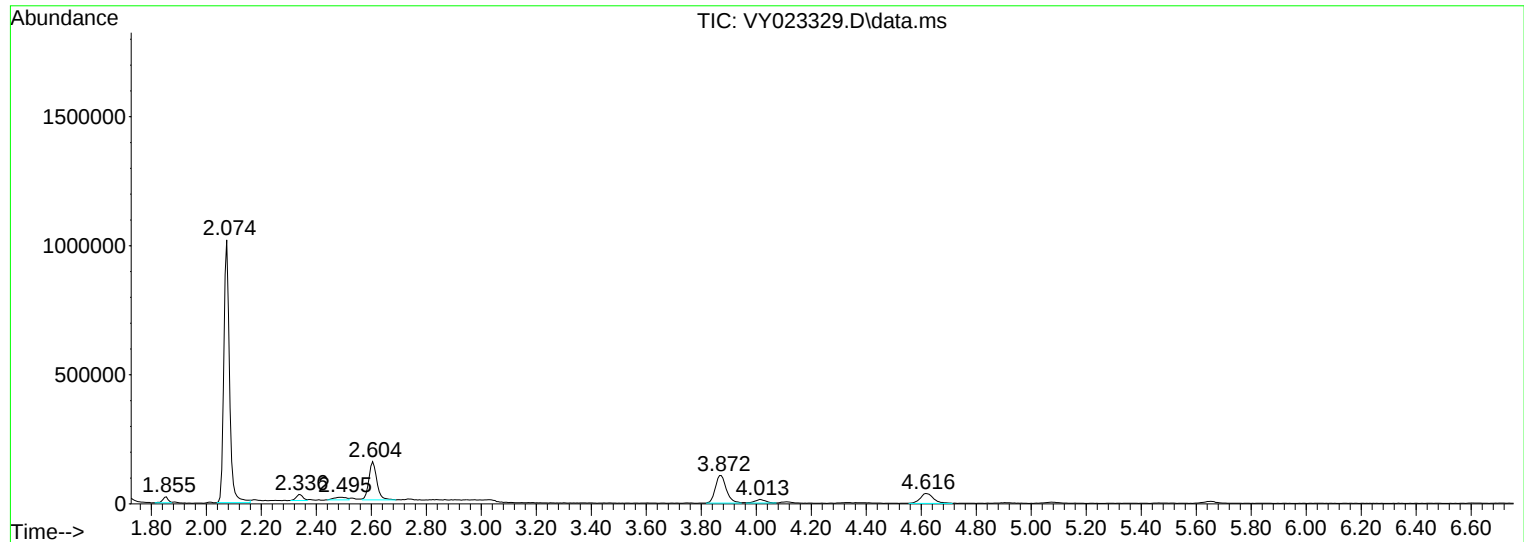


Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Title :

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Title :

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

No Library Search Compounds Detected

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Title :

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Time: Sep 16 01:28:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	198222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	425993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	408687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	193776	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	202603	49.886	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.780%
35) Dibromofluoromethane	8.147	113	160733	52.260	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.520%
50) Toluene-d8	10.547	98	556052	48.303	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.600%
62) 4-Bromofluorobenzene	12.829	95	186538	45.565	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.120%

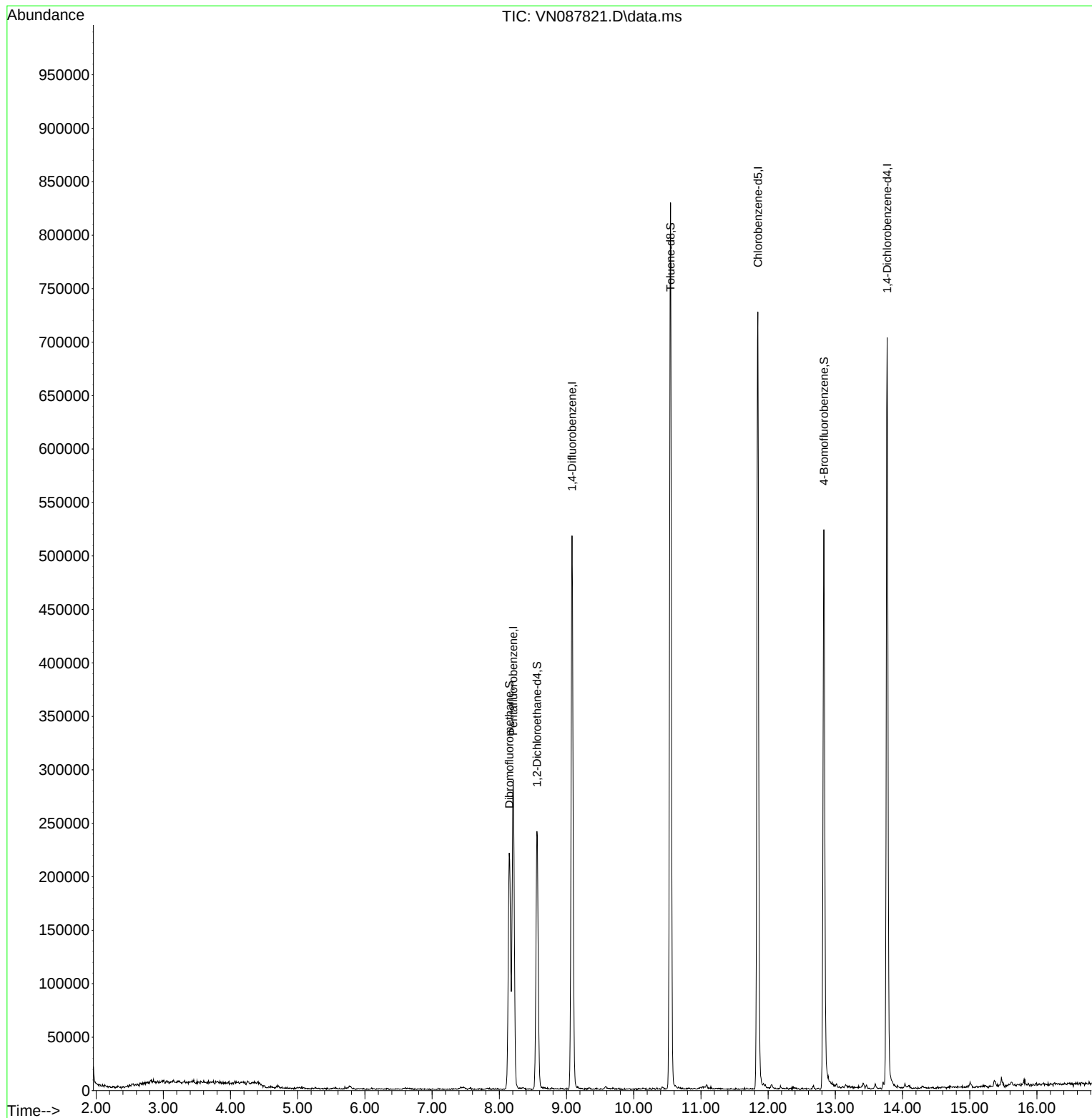
Target Compounds	Qvalue

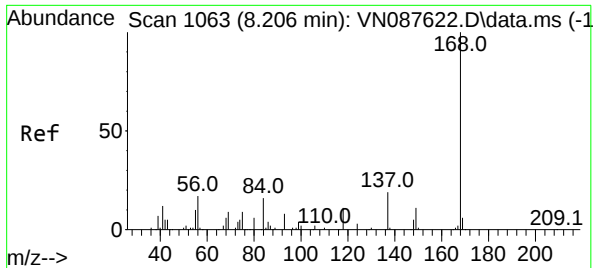
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Time: Sep 16 01:28:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

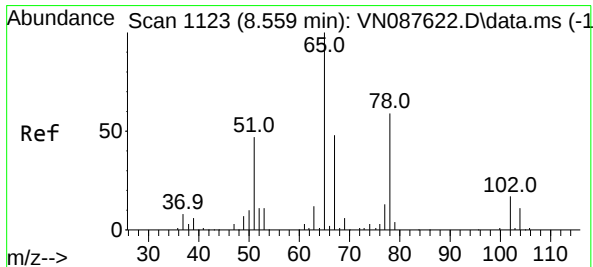
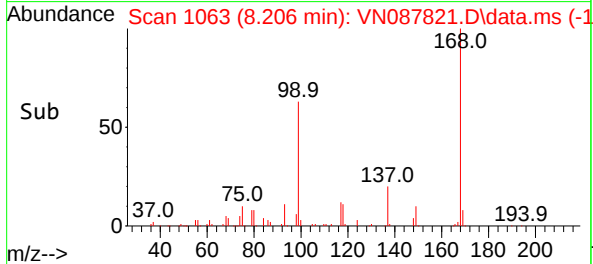
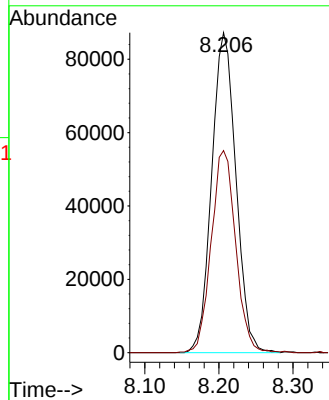
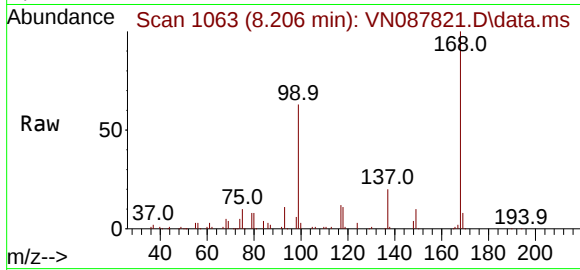




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

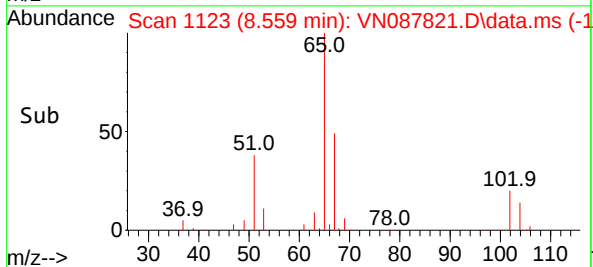
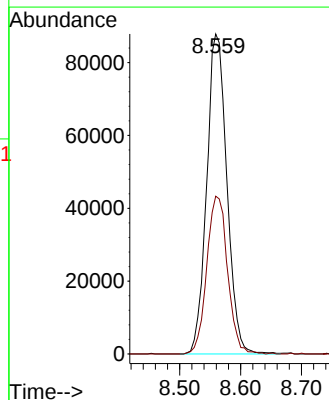
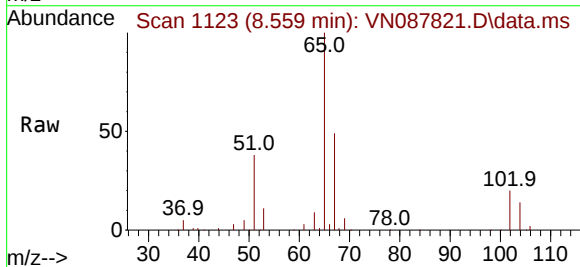
Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

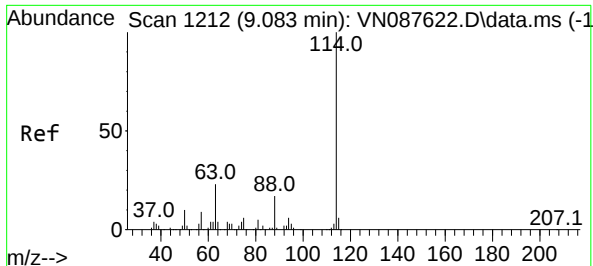
Tgt Ion:168 Resp: 198222
Ion Ratio Lower Upper
168 100
99 62.9 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 49.886 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion: 65 Resp: 202603
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087821.D

Acq: 15 Sep 2025 09:14

Instrument :

MSVOA_N

ClientSampleId :

VN0915MBL01

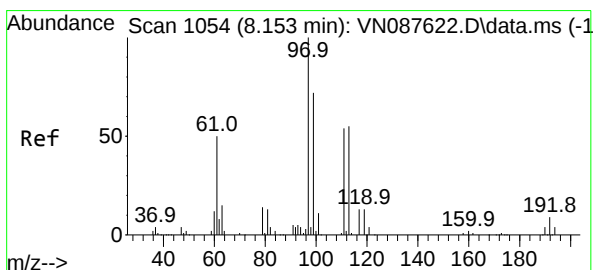
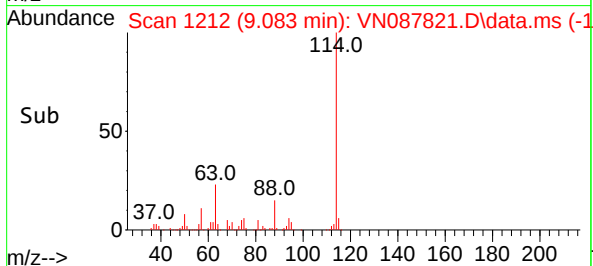
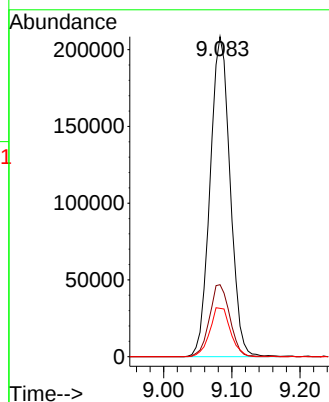
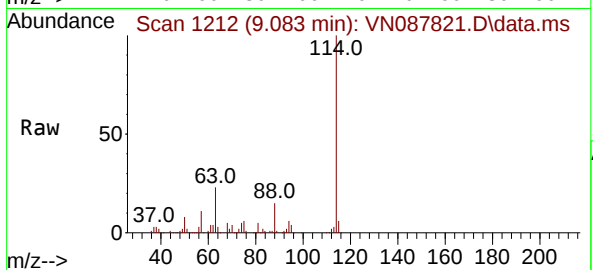
Tgt Ion:114 Resp: 425993

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.2

88 15.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.260 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087821.D

Acq: 15 Sep 2025 09:14

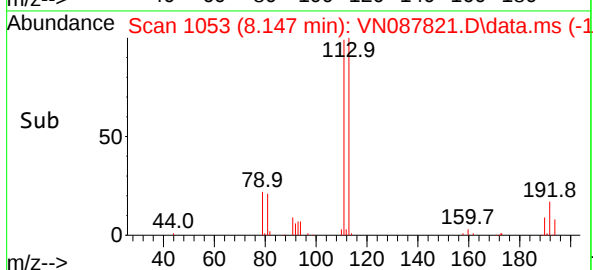
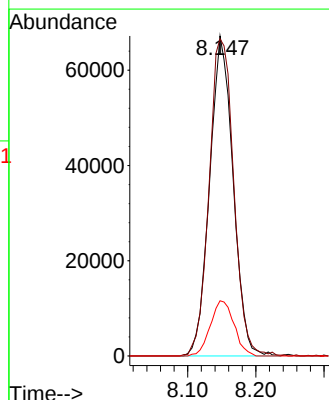
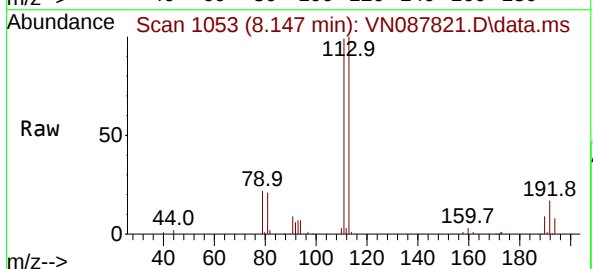
Tgt Ion:113 Resp: 160733

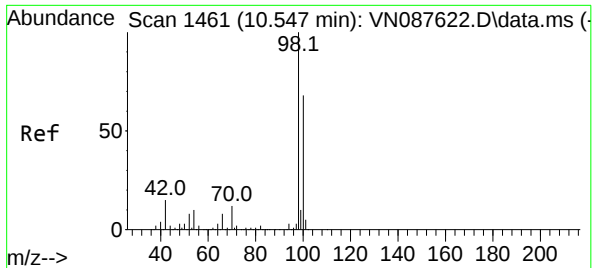
Ion Ratio Lower Upper

113 100

111 104.1 82.8 124.2

192 17.5 12.8 19.2

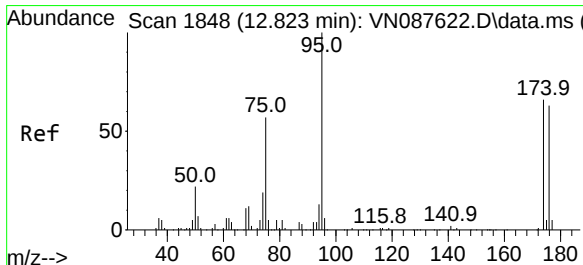
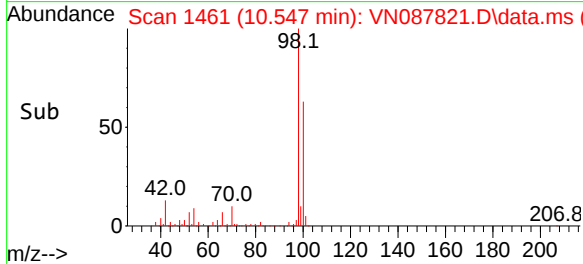
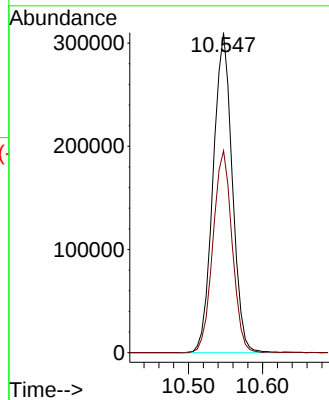
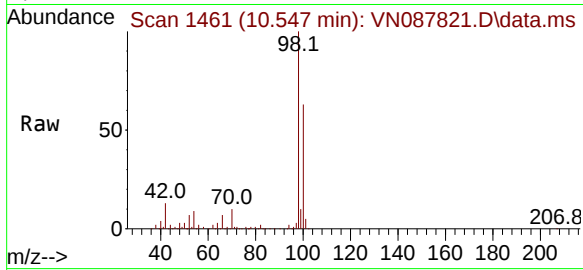




#50
Toluene-d8
Concen: 48.303 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

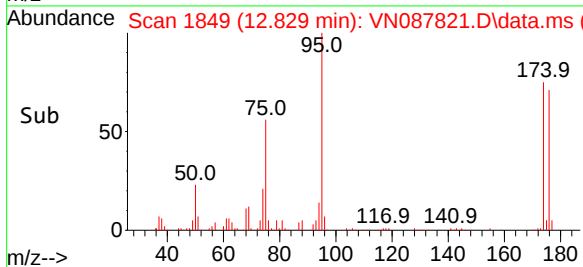
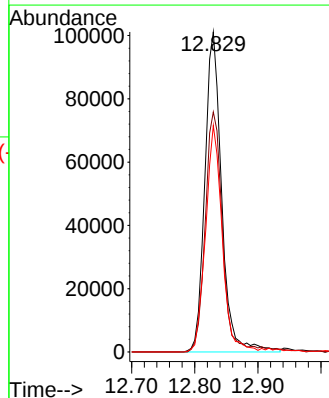
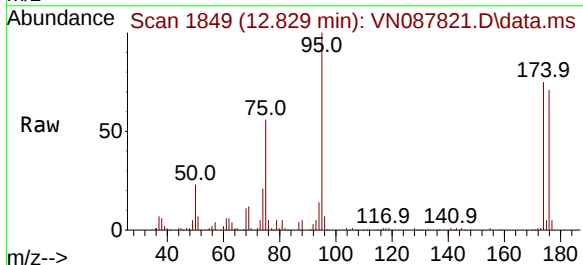
Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

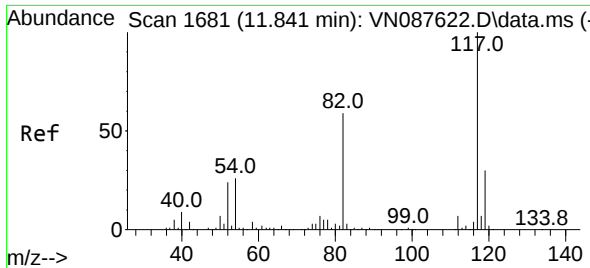
Tgt Ion: 98 Resp: 556052
Ion Ratio Lower Upper
98 100
100 63.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.565 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion: 95 Resp: 186538
Ion Ratio Lower Upper
95 100
174 78.1 0.0 138.4
176 70.0 0.0 132.6

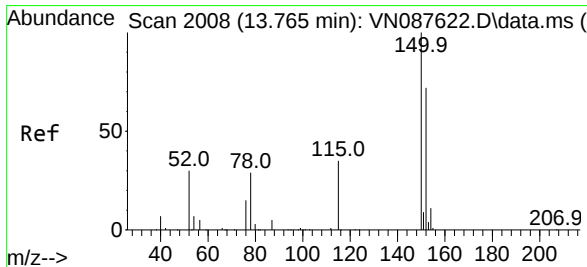
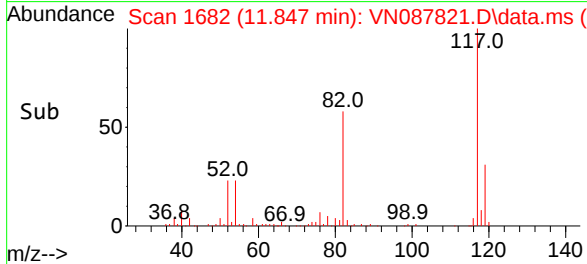
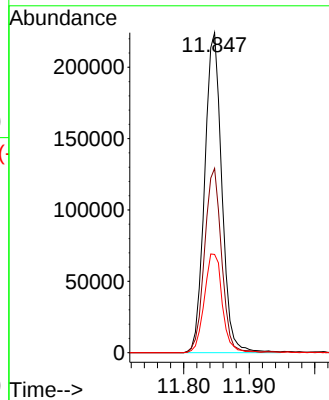
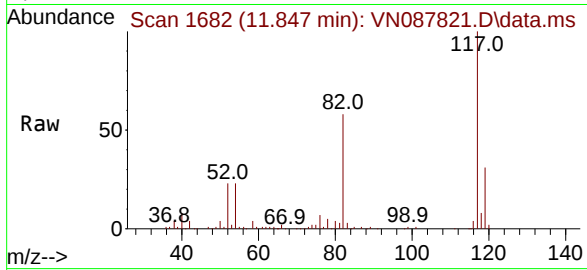




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

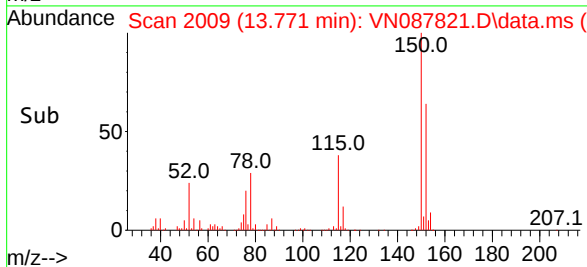
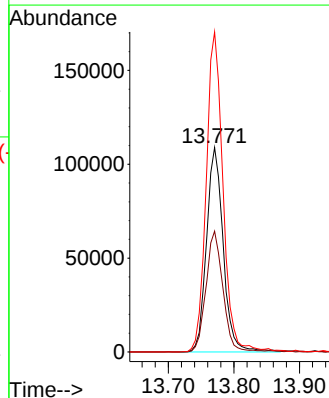
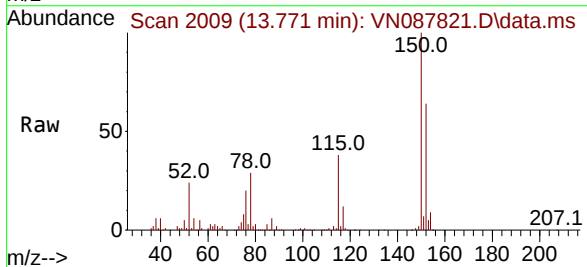
Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.4	71.2
119	30.7	24.3	36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.5	32.3	96.8
150	157.0	0.0	351.0



5

A

B

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

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_N\methods\82N082125W.M

Title : SW846 8260

Signal : TIC: VN087821.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.147	1043	1053	1058	rBV	220382	544294	35.78%	6.853%
2	8.206	1058	1063	1076	rVB	288762	655472	43.09%	8.253%
3	8.559	1113	1123	1134	rBV	241365	557369	36.64%	7.018%
4	9.083	1202	1212	1224	rBV	518177	1080687	71.04%	13.607%
5	10.547	1451	1461	1472	rBV	828870	1521141	100.00%	19.153%
6	11.847	1673	1682	1694	rBV	726992	1341753	88.21%	16.894%
7	12.829	1840	1849	1863	rBV	523609	970978	63.83%	12.226%
8	13.771	2001	2009	2026	rVB	700964	1270528	83.52%	15.997%

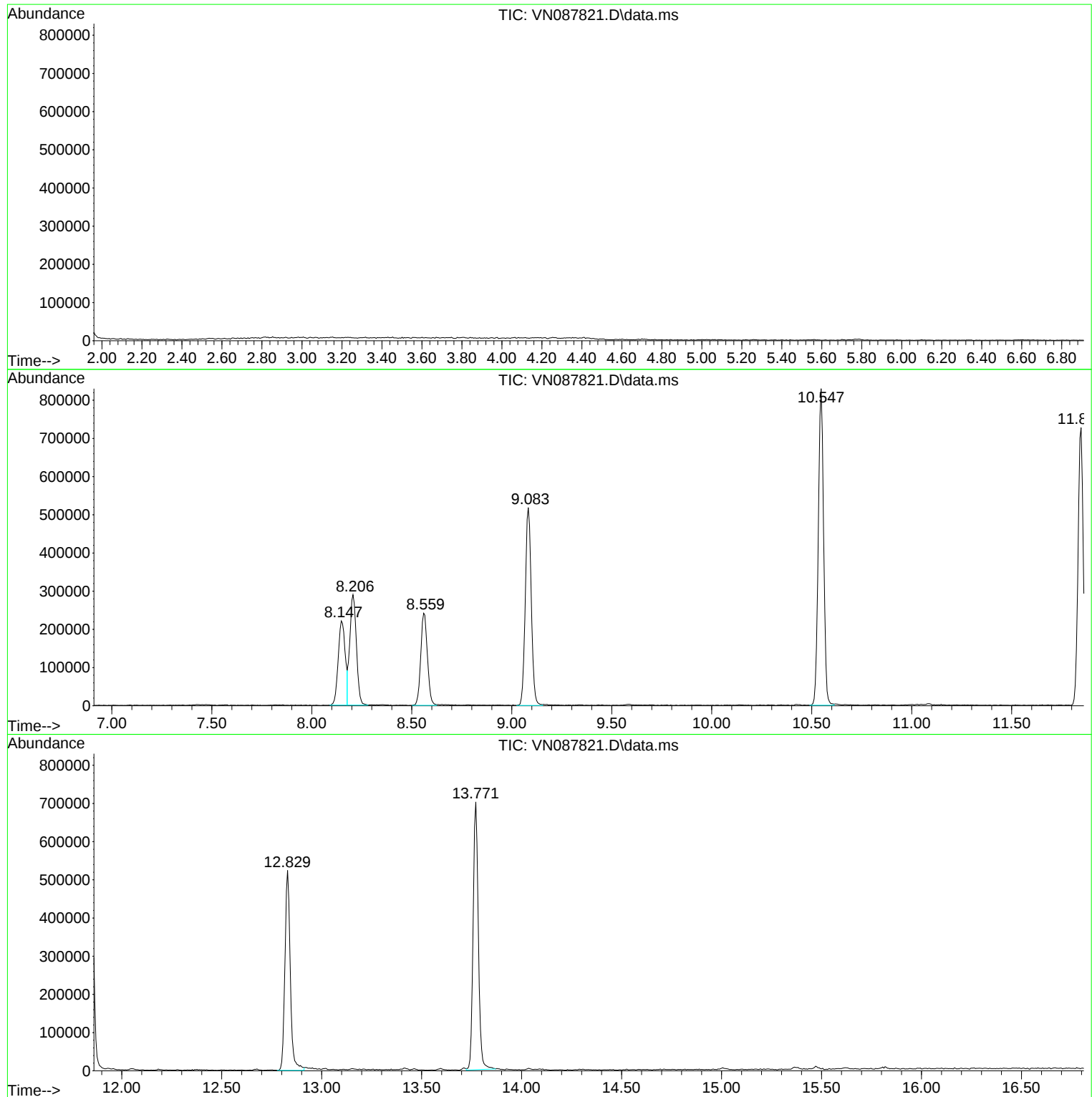
Sum of corrected areas: 7942222

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Time: Sep 11 03:46:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	583431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1118169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1034716	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	415042	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	313926	61.234	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.460%
35) Dibromofluoromethane	7.634	113	367281	53.735	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.480%
50) Toluene-d8	10.109	98	1335188	51.733	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.460%
62) 4-Bromofluorobenzene	12.407	95	400984	49.369	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.740%

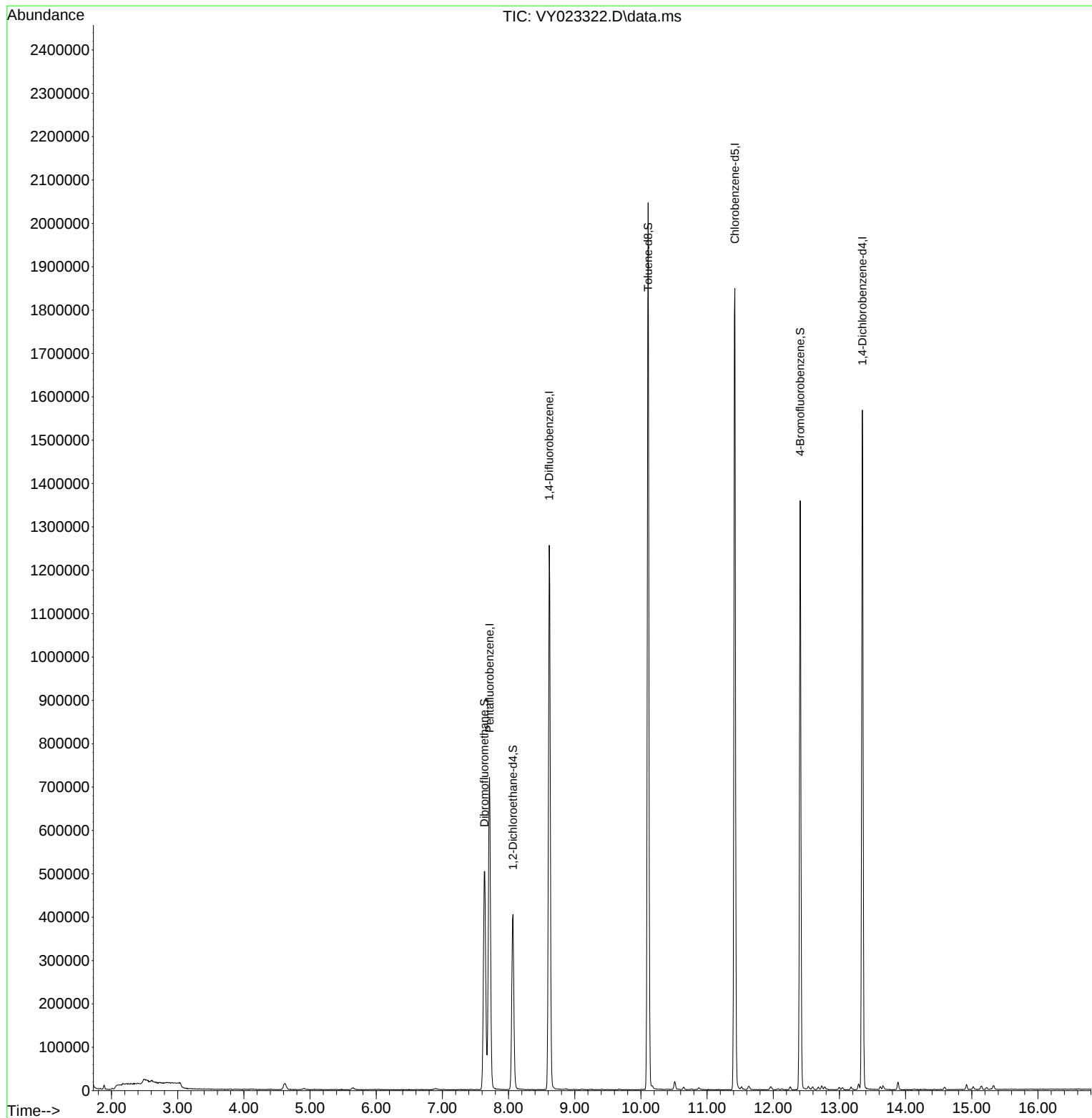
Target Compounds	Qvalue

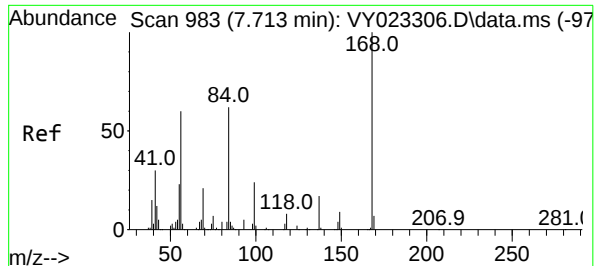
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Time: Sep 11 03:46:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

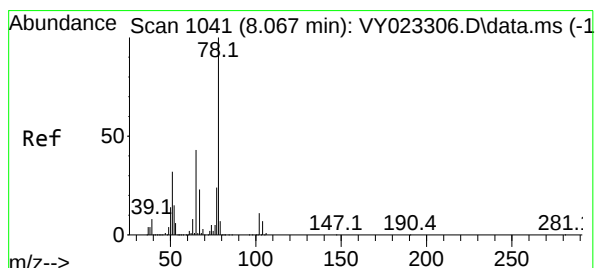
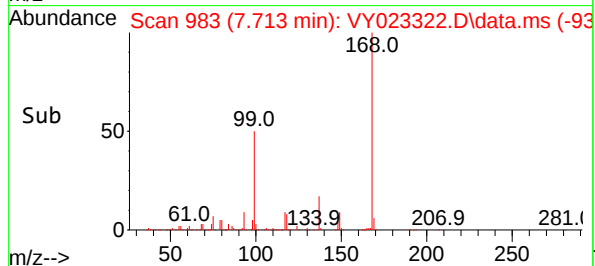
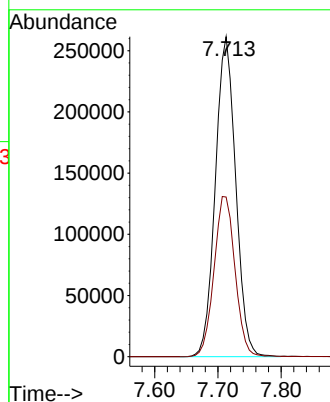
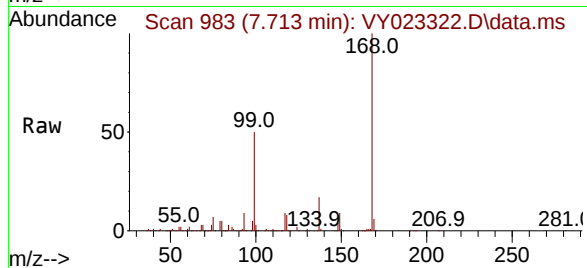




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

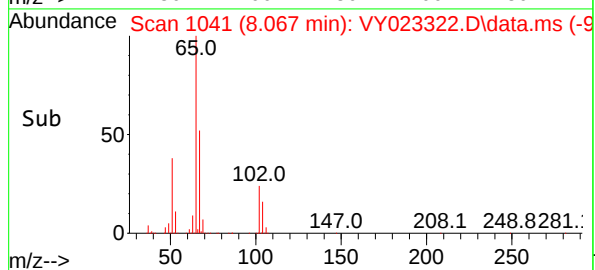
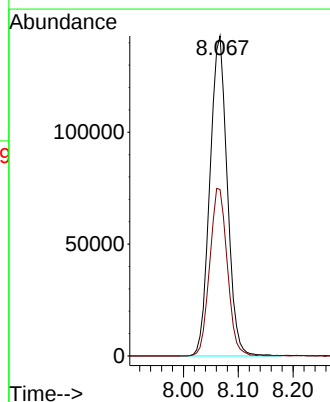
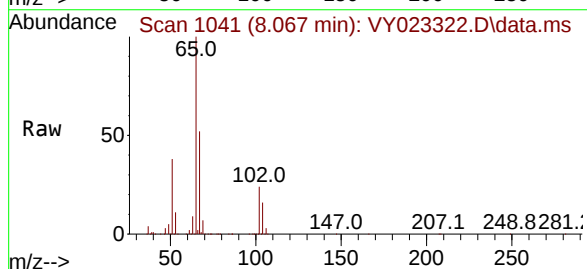
Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

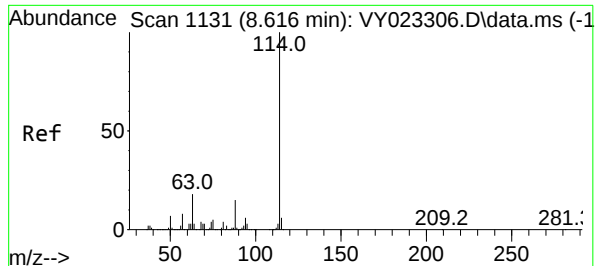
Tgt Ion:168 Resp: 583431
Ion Ratio Lower Upper
168 100
99 49.9 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 61.234 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Tgt Ion: 65 Resp: 313926
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023322.D

Acq: 10 Sep 2025 09:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0910SBL01

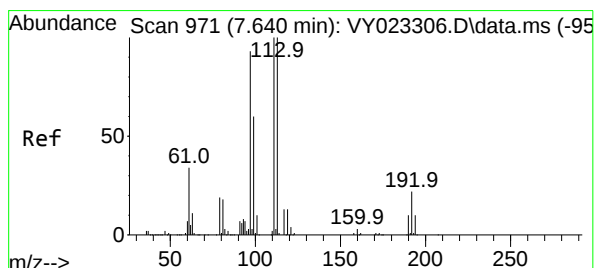
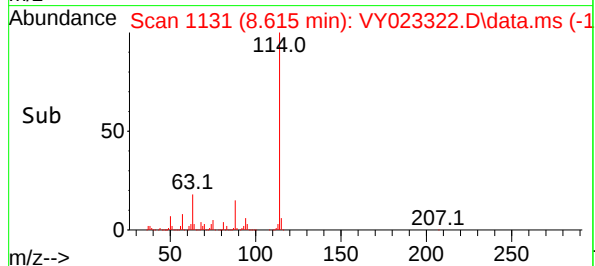
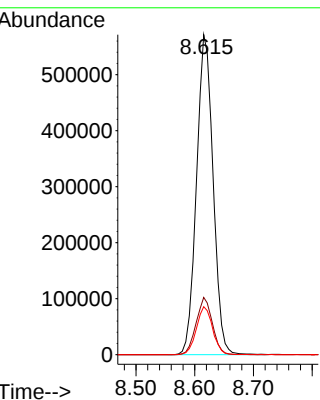
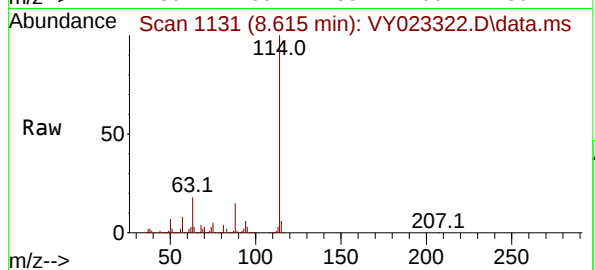
Tgt Ion:114 Resp: 1118169

Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 15.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.735 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023322.D

Acq: 10 Sep 2025 09:39

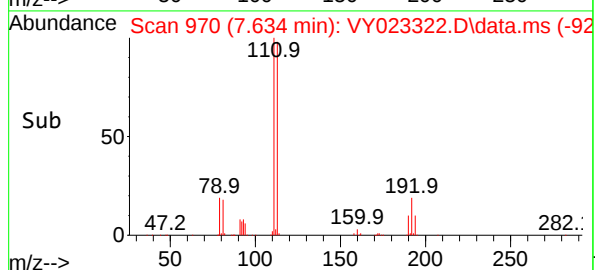
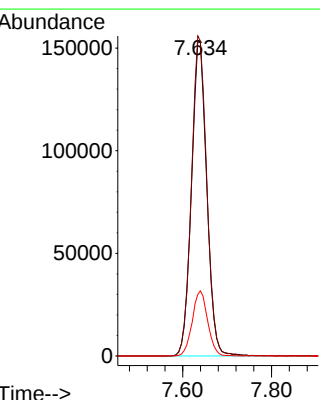
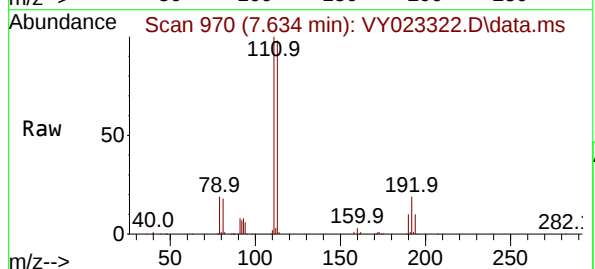
Tgt Ion:113 Resp: 367281

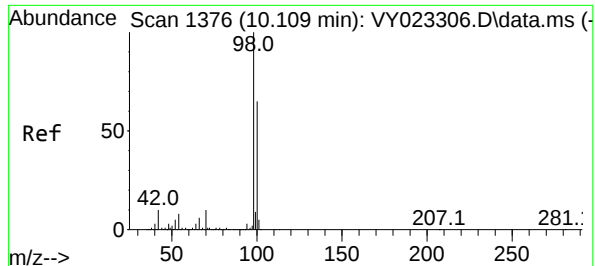
Ion Ratio Lower Upper

113 100

111 102.2 81.1 121.7

192 20.9 16.2 24.4





#50

Toluene-d8

Concen: 51.733 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023322.D

Acq: 10 Sep 2025 09:39

Instrument :

MSVOA_Y

ClientSampleId :

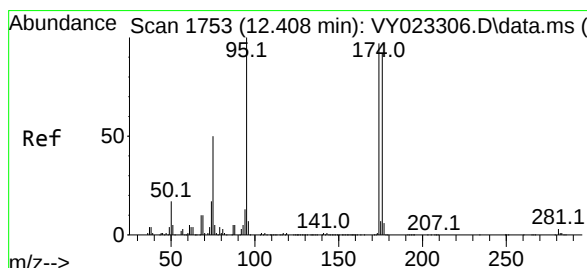
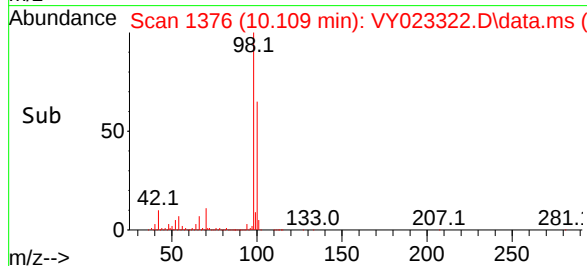
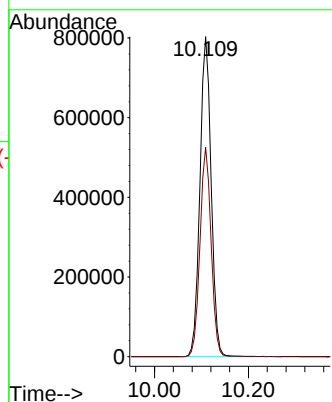
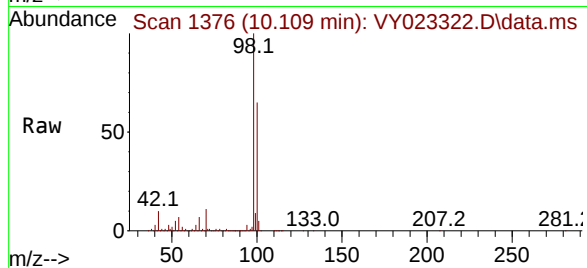
VY0910SBL01

Tgt Ion: 98 Resp: 1335188

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 49.369 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023322.D

Acq: 10 Sep 2025 09:39

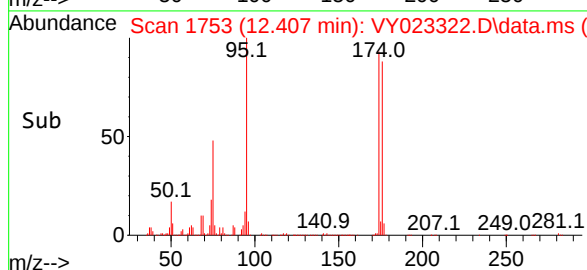
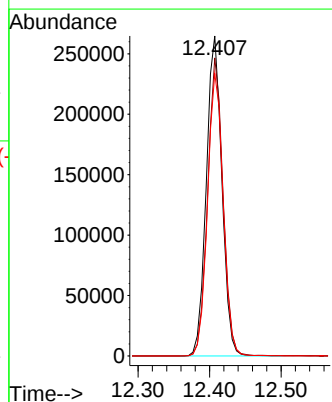
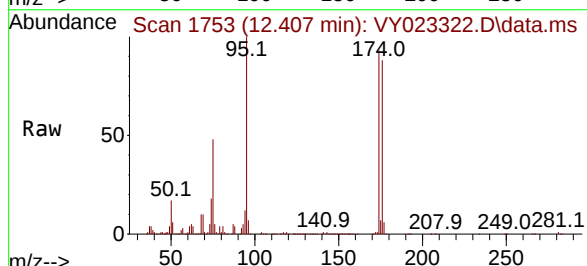
Tgt Ion: 95 Resp: 400984

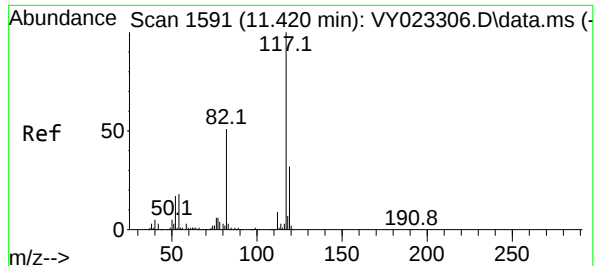
Ion Ratio Lower Upper

95 100

174 92.6 0.0 171.6

176 88.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023322.D

Acq: 10 Sep 2025 09:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0910SBL01

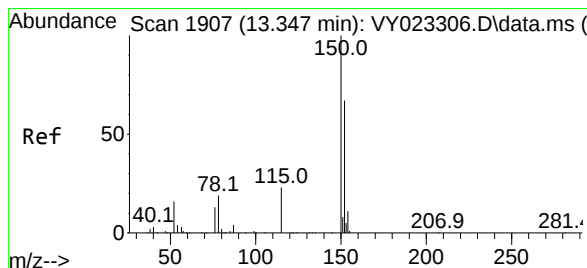
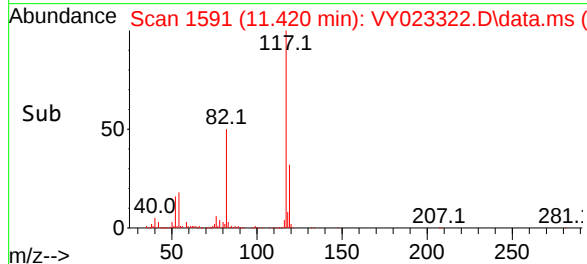
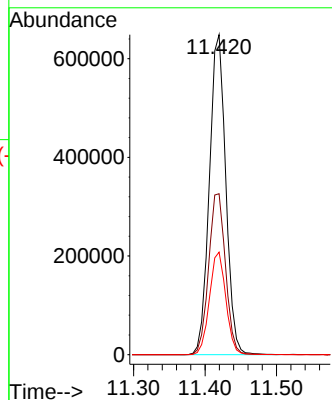
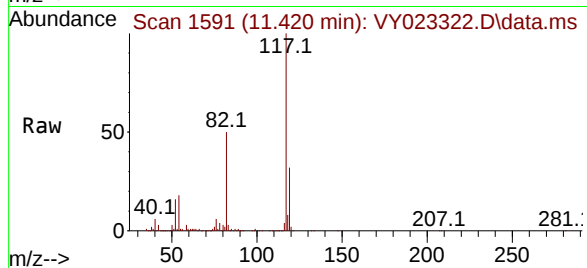
Tgt Ion:117 Resp: 1034716

Ion Ratio Lower Upper

117 100

82 50.3 43.4 65.0

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023322.D

Acq: 10 Sep 2025 09:39

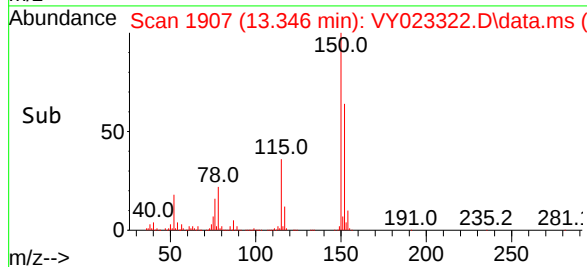
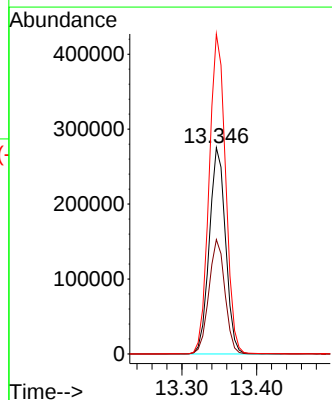
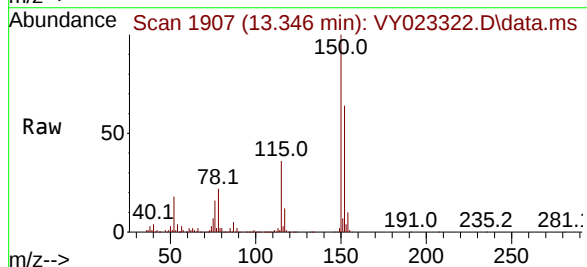
Tgt Ion:152 Resp: 415042

Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.6

150 157.3 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M

Title : SW846 8260

Signal : TIC: VY023322.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	466	475	486	rBV4	14233	45669	1.34%	0.266%
2	7.634	957	970	977	rBV	503299	1231717	36.07%	7.171%
3	7.713	977	983	997	rVB	718615	1626925	47.65%	9.472%
4	8.067	1029	1041	1054	rBV	404396	898640	26.32%	5.232%
5	8.615	1121	1131	1148	rBV	1255460	2460690	72.07%	14.327%
6	10.109	1368	1376	1385	rBV	2045478	3414527	100.00%	19.880%
7	11.420	1583	1591	1604	rBV	1847973	3011233	88.19%	17.532%
8	12.407	1745	1753	1767	rBV	1358622	2092320	61.28%	12.182%
9	13.346	1901	1907	1917	rVB	1565415	2393558	70.10%	13.936%

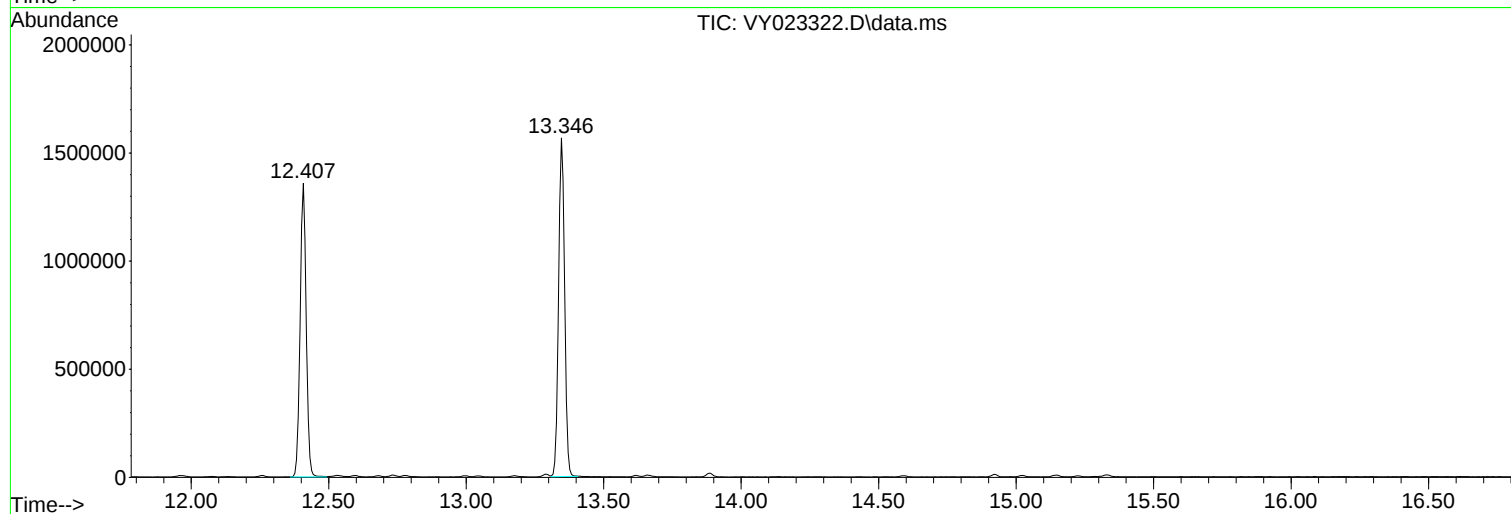
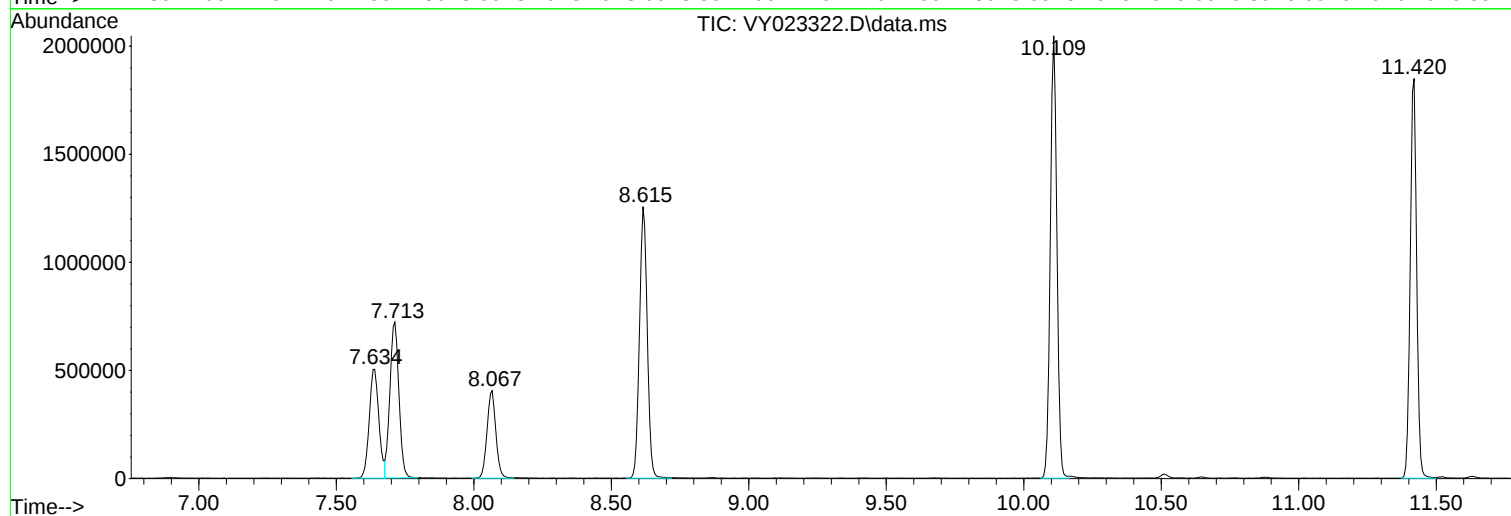
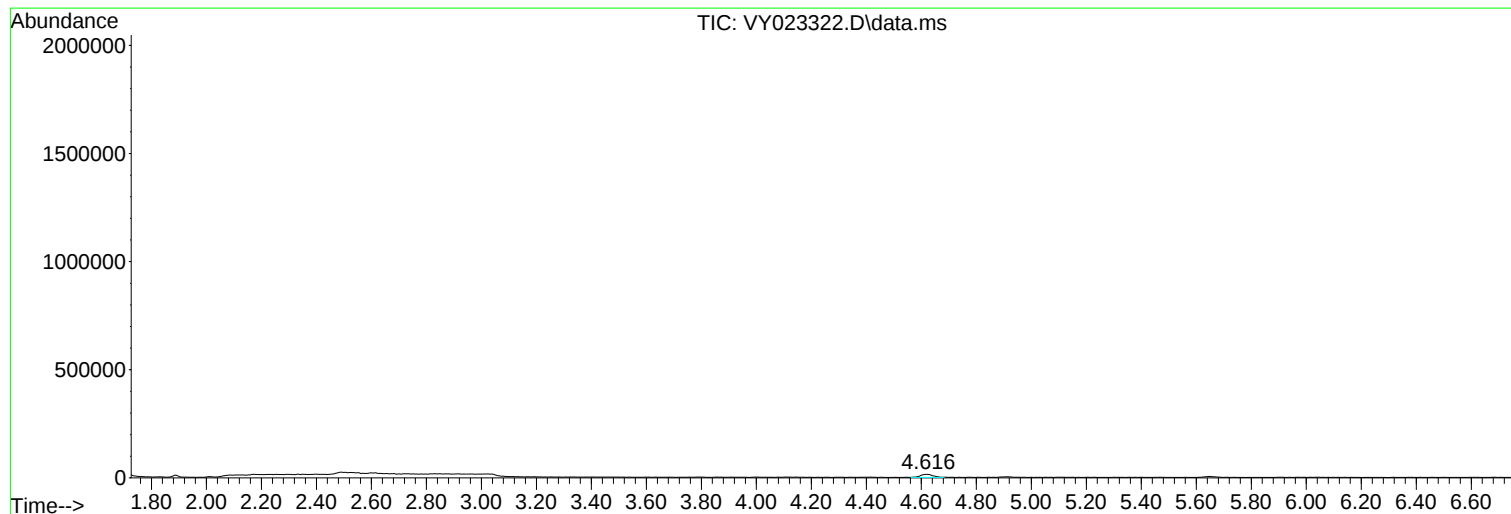
Sum of corrected areas: 17175279

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.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--			
					#	RT	Resp	Conc

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087837.D
Acq On : 15 Sep 2025 15:02
Operator : JC\MD
Sample : VN0915MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VN0915MBS01

Manual Integrations**APPROVED**

Reviewed By :Mahesh Dadoda 09/16/2025

Supervised By :Semsettin Yesilyurt 09/16/2025

Quant Time: Sep 16 01:39:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023323.D
Acq On : 10 Sep 2025 10:11
Operator : SY/MD
Sample : VY0910SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Quant Time: Sep 11 03:46:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

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

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

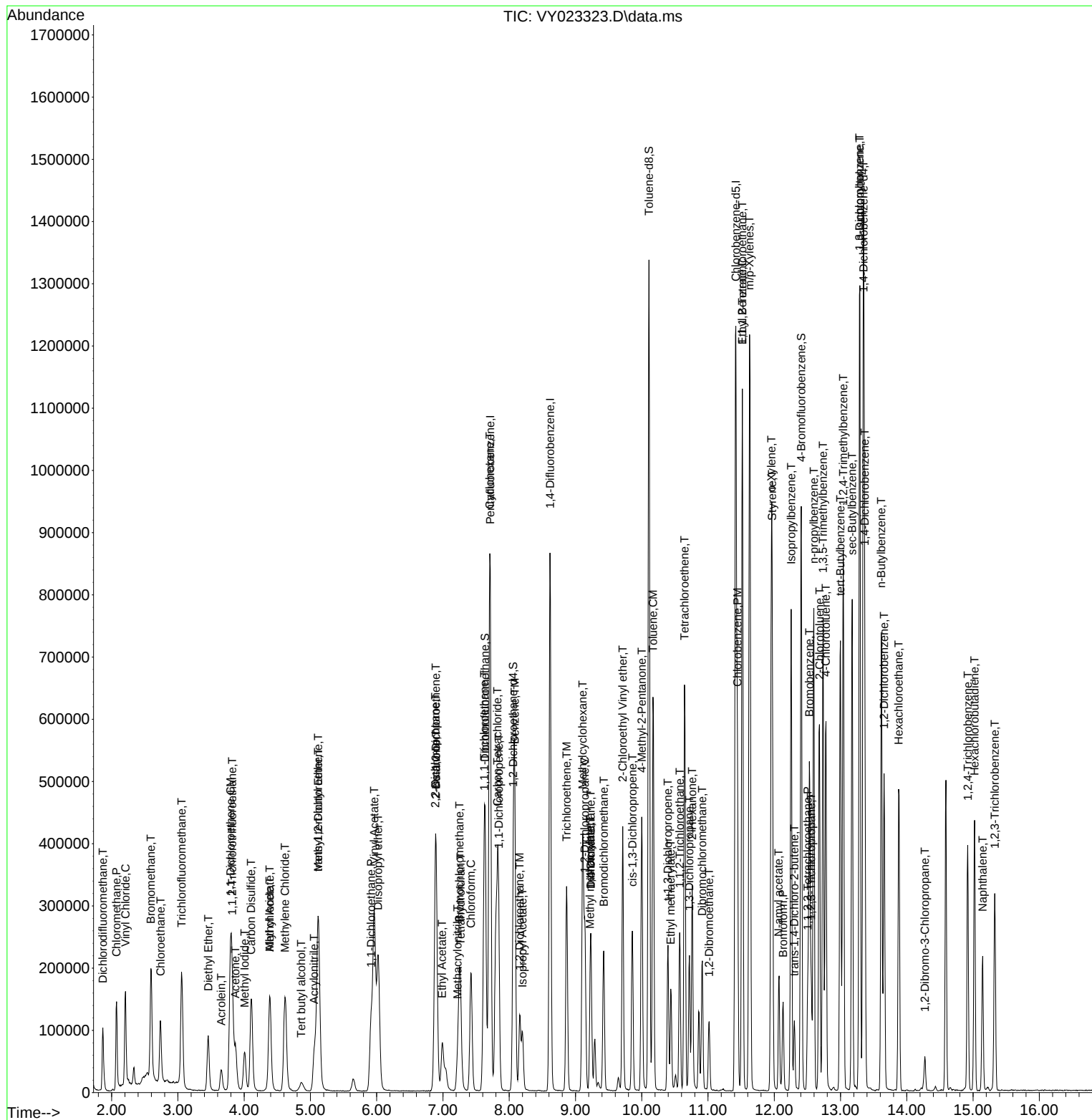
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023323.D
 Acq On : 10 Sep 2025 10:11
 Operator : SY/MD
 Sample : VY0910SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/soil
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0910SBS01

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 09/11/2025
 Supervised By : Semsettin Yesilyurt 09/11/2025

Quant Time: Sep 11 03:46:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration



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A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023324.D
Acq On : 10 Sep 2025 10:33
Operator : SY/MD
Sample : VY0910SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Quant Time: Sep 11 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

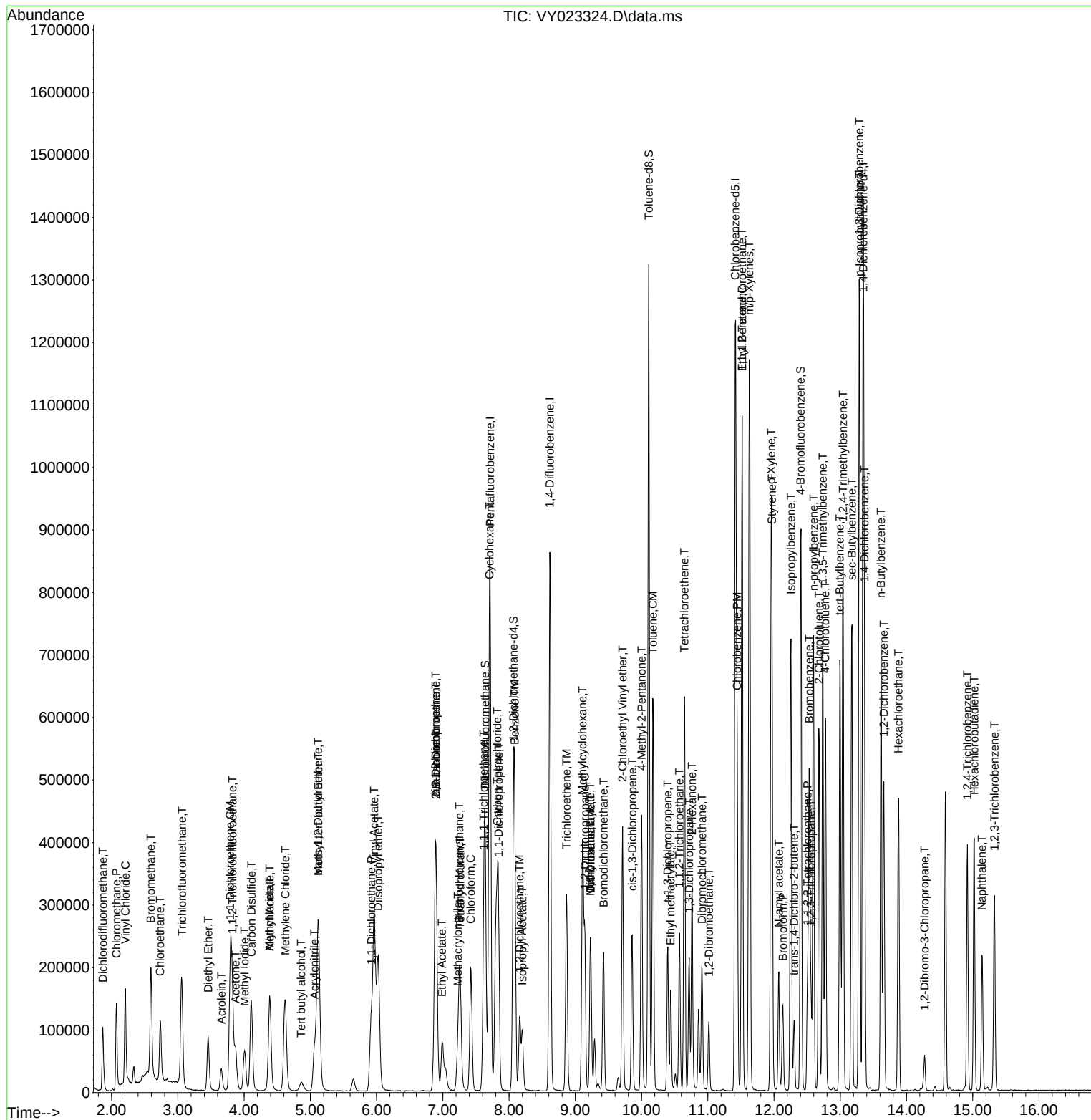
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023324.D
 Acq On : 10 Sep 2025 10:33
 Operator : SY/MD
 Sample : VY0910SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0910SBSD01

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 09/11/2025
 Supervised By : Semsettin Yesilyurt 09/11/2025

Quant Time: Sep 11 03:47:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration



Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087619.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	1,4-Dichlorobenzene	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Diethyl Ether	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Ethyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Methyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	N-amyl acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	Ethyl Acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	N-amyl acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	N-amyl acetate	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	N-amyl acetate	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN082125

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087623.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:28 AM	MMDadoda	8/25/2025 8:11:24 AM	Peak Integrated by Software
VSTDICC150	VN087624.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:33 AM	MMDadoda	8/25/2025 8:11:26 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	N-amyl acetate	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN091525	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087820.D	1,2,3-Trichloropropane	JOHN	9/16/2025 8:01:03 AM	MMDadoda	9/16/2025 8:01:46 AM	Peak Integrated by Software
VSTDCCC050	VN087820.D	Bromomethane	JOHN	9/16/2025 8:01:03 AM	MMDadoda	9/16/2025 8:01:46 AM	Peak Integrated by Software
VSTDCCC050	VN087820.D	N-amyl acetate	JOHN	9/16/2025 8:01:03 AM	MMDadoda	9/16/2025 8:01:46 AM	Peak Integrated by Software
VN0915MBS01	VN087837.D	1,2,3-Trichloropropane	MMDadoda	9/16/2025 8:02:11 AM	Sam	9/16/2025 8:05:40 AM	Peak Integrated by Software
VN0915MBS01	VN087837.D	N-amyl acetate	MMDadoda	9/16/2025 8:02:11 AM	Sam	9/16/2025 8:05:40 AM	Peak Integrated by Software
VSTDCCC050	VN087845.D	1,2,3-Trichloropropane	MMDadoda	9/16/2025 8:02:14 AM	Sam	9/16/2025 8:05:44 AM	Peak Integrated by Software
VSTDCCC050	VN087845.D	N-amyl acetate	MMDadoda	9/16/2025 8:02:14 AM	Sam	9/16/2025 8:05:44 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY090825	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023303.D	1,2,3-Trichloropropane	MMDadod a	9/9/2025 3:12:20 PM	Sam	9/9/2025 3:14:24 PM	Peak Integrated by Software
VSTDICC005	VY023303.D	Methacrylonitrile	MMDadod a	9/9/2025 3:12:20 PM	Sam	9/9/2025 3:14:24 PM	Peak Integrated by Software
VSTDICC010	VY023304.D	1,2,3-Trichloropropane	MMDadod a	9/9/2025 3:12:22 PM	Sam	9/9/2025 3:14:25 PM	Peak Integrated by Software
VSTDICC010	VY023304.D	Methacrylonitrile	MMDadod a	9/9/2025 3:12:22 PM	Sam	9/9/2025 3:14:25 PM	Peak Integrated by Software
VSTDICC020	VY023305.D	1,2,3-Trichloropropane	MMDadod a	9/9/2025 3:12:23 PM	Sam	9/9/2025 3:14:30 PM	Peak Integrated by Software
VSTDICC020	VY023305.D	Methacrylonitrile	MMDadod a	9/9/2025 3:12:23 PM	Sam	9/9/2025 3:14:30 PM	Peak Integrated by Software
VSTDICCC050	VY023306.D	1,2,3-Trichloropropane	MMDadod a	9/9/2025 3:12:27 PM	Sam	9/9/2025 3:14:34 PM	Peak Integrated by Software
VSTDICCC050	VY023306.D	Methacrylonitrile	MMDadod a	9/9/2025 3:12:27 PM	Sam	9/9/2025 3:14:34 PM	Peak Integrated by Software
VSTDICC100	VY023307.D	1,2,3-Trichloropropane	MMDadod a	9/9/2025 3:12:48 PM	Sam	9/9/2025 3:14:36 PM	Peak Integrated by Software
VSTDICC150	VY023308.D	1,2,3-Trichloropropane	MMDadod a	9/9/2025 3:12:35 PM	Sam	9/9/2025 3:14:40 PM	Peak Integrated by Software
VSTDICV050	VY023310.D	1,2,3-Trichloropropane	MMDadod a	9/9/2025 3:12:36 PM	Sam	9/9/2025 3:14:46 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	Vy091025	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023321.D	1,2,3-Trichloropropane	MMDadod a	9/11/2025 5:30:08 PM	Sam	9/11/2025 5:40:46 PM	Peak Integrated by Software
VY0910SBS01	VY023323.D	1,2,3-Trichloropropane	MMDadod a	9/11/2025 5:30:10 PM	Sam	9/11/2025 5:39:42 PM	Peak Integrated by Software
VY0910SBS01	VY023323.D	Methacrylonitrile	MMDadod a	9/11/2025 5:30:10 PM	Sam	9/11/2025 5:39:42 PM	Peak Integrated by Software
VY0910SBSD0 1	VY023324.D	1,2,3-Trichloropropane	MMDadod a	9/11/2025 5:30:15 PM	Sam	9/11/2025 5:39:46 PM	Peak Integrated by Software
VY0910SBSD0 1	VY023324.D	Methacrylonitrile	MMDadod a	9/11/2025 5:30:15 PM	Sam	9/11/2025 5:39:46 PM	Peak Integrated by Software
Q3058-01	VY023328.D	Acetone	MMDadod a	9/11/2025 5:30:17 PM	Sam	9/11/2025 5:39:48 PM	Peak Integrated by Software
VSTDCCC050	VY023334.D	1,2,3-Trichloropropane	MMDadod a	9/11/2025 5:31:14 PM	Sam	9/11/2025 5:39:50 PM	Peak Integrated by Software
VSTDCCC050	VY023334.D	Methacrylonitrile	MMDadod a	9/11/2025 5:31:14 PM	Sam	9/11/2025 5:39:50 PM	Peak Integrated by Software

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM
SubDirectory	VN082125	HP Acquire Method	HP Processing Method 82N082125W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135214		
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP135221		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087614.D	21 Aug 2025 09:30	JC\MD	Ok
2	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	JC\MD	Not Ok
3	VN0821WBS01	VN087616.D	21 Aug 2025 10:37	JC\MD	Not Ok
4	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11	JC\MD	Not Ok
5	VN0821WBL01	VN087618.D	21 Aug 2025 11:36	JC\MD	Not Ok
6	VSTDICC001	VN087619.D	21 Aug 2025 12:09	JC\MD	Ok,M
7	VSTDICC005	VN087620.D	21 Aug 2025 13:08	JC\MD	Ok,M
8	VSTDICC020	VN087621.D	21 Aug 2025 13:41	JC\MD	Ok,M
9	VSTDICCC050	VN087622.D	21 Aug 2025 14:02	JC\MD	Ok,M
10	VSTDICC100	VN087623.D	21 Aug 2025 14:23	JC\MD	Ok,M
11	VSTDICC150	VN087624.D	21 Aug 2025 14:44	JC\MD	Ok,M
12	IBLK	VN087625.D	21 Aug 2025 15:05	JC\MD	Ok
13	VSTDICV050	VN087626.D	21 Aug 2025 15:47	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM
SubDirectory	VN091525	HP Acquire Method	HP Processing Method 82N082125W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135447		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135448,VP135449		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087819.D	15 Sep 2025 08:18	JC\MD	Ok
2	VSTDCCC050	VN087820.D	15 Sep 2025 08:39	JC\MD	Ok,M
3	VN0915MBL01	VN087821.D	15 Sep 2025 09:14	JC\MD	Ok
4	VN0915WBL01	VN087822.D	15 Sep 2025 09:35	JC\MD	Ok
5	VN0915WBS01	VN087823.D	15 Sep 2025 09:56	JC\MD	Ok,M
6	VN0915WBSD01	VN087824.D	15 Sep 2025 10:29	JC\MD	Ok,M
7	Q3083-01	VN087825.D	15 Sep 2025 10:50	JC\MD	Ok
8	Q3088-02	VN087826.D	15 Sep 2025 11:11	JC\MD	Ok
9	PB169678TB	VN087827.D	15 Sep 2025 11:32	JC\MD	Ok
10	Q3082-02	VN087828.D	15 Sep 2025 11:53	JC\MD	Ok
11	Q3082-04	VN087829.D	15 Sep 2025 12:14	JC\MD	Ok,M
12	Q3082-06	VN087830.D	15 Sep 2025 12:35	JC\MD	Ok
13	Q3082-08	VN087831.D	15 Sep 2025 12:56	JC\MD	Ok
14	Q3082-10	VN087832.D	15 Sep 2025 13:17	JC\MD	Ok,M
15	Q3092-01	VN087833.D	15 Sep 2025 13:38	JC\MD	Ok
16	Q3092-02	VN087834.D	15 Sep 2025 13:59	JC\MD	Ok
17	Q3092-03	VN087835.D	15 Sep 2025 14:20	JC\MD	Ok,M
18	Q3092-04	VN087836.D	15 Sep 2025 14:41	JC\MD	Ok
19	VN0915MBS01	VN087837.D	15 Sep 2025 15:02	JC\MD	Ok,M
20	VN0915MBSD01	VN087838.D	15 Sep 2025 15:22	JC\MD	Ok,M
21	Q3058-01ME	VN087839.D	15 Sep 2025 15:43	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM
SubDirectory	VN091525	HP Acquire Method	HP Processing Method 82N082125W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135447		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135448,VP135449		

22	Q3075-04	VN087840.D	15 Sep 2025 16:04	JC\MD	Ok
23	Q3074-01	VN087841.D	15 Sep 2025 16:25	JC\MD	Ok
24	Q3073-02	VN087842.D	15 Sep 2025 16:46	JC\MD	Ok
25	Q3075-06	VN087843.D	15 Sep 2025 17:06	JC\MD	Ok
26	Q3077-01	VN087844.D	15 Sep 2025 17:27	JC\MD	Not Ok
27	VSTDCCC050	VN087845.D	15 Sep 2025 18:09	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090825

Review By	Mahesh Dadoda	Review On	9/9/2025 3:13:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/19/2025 2:10:25 AM		
SubDirectory	VY090825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP135392			
Initial Calibration Stds		VP135393,VP135394,VP135395,VP135396,VP135397,VP135398			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP135399			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023302.D	08 Sep 2025 09:07	SY/MD	Ok
2	VSTDIC005	VY023303.D	08 Sep 2025 10:00	SY/MD	Ok,M
3	VSTDIC010	VY023304.D	08 Sep 2025 10:23	SY/MD	Ok,M
4	VSTDIC020	VY023305.D	08 Sep 2025 11:01	SY/MD	Ok,M
5	VSTDIC050	VY023306.D	08 Sep 2025 11:23	SY/MD	Ok,M
6	VSTDIC100	VY023307.D	08 Sep 2025 11:46	SY/MD	Ok,M
7	VSTDIC150	VY023308.D	08 Sep 2025 12:08	SY/MD	Ok,M
8	VIBLK	VY023309.D	08 Sep 2025 12:32	SY/MD	Ok
9	VSTDICV050	VY023310.D	08 Sep 2025 12:55	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY091025

Review By	Semsettin Yesilyurt	Review On	9/11/2025 5:40:36 PM
Supervise By	Maresh Dadoda	Supervise On	9/19/2025 2:06:55 AM
SubDirectory	VY091025	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y090825s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135409		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135410,VP135411 VP133934		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023320.D	10 Sep 2025 08:38	SY/MD	Ok
2	VSTDCCC050	VY023321.D	10 Sep 2025 09:09	SY/MD	Ok,M
3	VY0910SBL01	VY023322.D	10 Sep 2025 09:39	SY/MD	Ok
4	VY0910SBS01	VY023323.D	10 Sep 2025 10:11	SY/MD	Ok,M
5	VY0910SBSD01	VY023324.D	10 Sep 2025 10:33	SY/MD	Ok,M
6	Q3055-01	VY023325.D	10 Sep 2025 11:39	SY/MD	Ok
7	Q3056-01	VY023326.D	10 Sep 2025 12:02	SY/MD	Ok
8	Q3059-01	VY023327.D	10 Sep 2025 12:25	SY/MD	Ok
9	Q3058-01	VY023328.D	10 Sep 2025 12:49	SY/MD	Dilution
10	Q3058-02	VY023329.D	10 Sep 2025 13:12	SY/MD	Ok
11	Q3066-01	VY023330.D	10 Sep 2025 14:02	SY/MD	Ok
12	Q3066-03	VY023331.D	10 Sep 2025 14:26	SY/MD	Ok
13	Q3065-01	VY023332.D	10 Sep 2025 14:49	SY/MD	ReRun
14	VIBLK	VY023333.D	10 Sep 2025 15:13	SY/MD	Ok
15	VSTDCCC050	VY023334.D	10 Sep 2025 15:35	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM
Supervise By	Maresh Dadoda	Supervise On	8/25/2025 8:11:38 AM
SubDirectory	VN082125	HP Acquire Method	HP Processing Method 82N082125W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135214		
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP135221		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087614.D	21 Aug 2025 09:30		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	Need ICAL	JC\MD	Not Ok
3	VN0821WBS01	VN0821WBS01	VN087616.D	21 Aug 2025 10:37		JC\MD	Not Ok
4	VN0821WBSD01	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11		JC\MD	Not Ok
5	VN0821WBL01	VN0821WBL01	VN087618.D	21 Aug 2025 11:36		JC\MD	Not Ok
6	VSTDICC001	VSTDICC001	VN087619.D	21 Aug 2025 12:09	LR-10,20	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN087620.D	21 Aug 2025 13:08		JC\MD	Ok,M
8	VSTDICC020	VSTDICC020	VN087621.D	21 Aug 2025 13:41	method not used for #N-amyle Acetate	JC\MD	Ok,M
9	VSTDICCC050	VSTDICCC050	VN087622.D	21 Aug 2025 14:02		JC\MD	Ok,M
10	VSTDICC100	VSTDICC100	VN087623.D	21 Aug 2025 14:23		JC\MD	Ok,M
11	VSTDICC150	VSTDICC150	VN087624.D	21 Aug 2025 14:44		JC\MD	Ok,M
12	IBLK	IBLK	VN087625.D	21 Aug 2025 15:05		JC\MD	Ok
13	VSTDICV050	ICVVN082125	VN087626.D	21 Aug 2025 15:47	Icv Failed for Com.# 64 for DOD	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM
SubDirectory	VN091525	HP Acquire Method	HP Processing Method 82N082125W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135447		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135448,VP135449		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087819.D	15 Sep 2025 08:18		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087820.D	15 Sep 2025 08:39	pH#Lot#V12668	JC\MD	Ok,M
3	VN0915MBL01	VN0915MBL01	VN087821.D	15 Sep 2025 09:14		JC\MD	Ok
4	VN0915WBL01	VN0915WBL01	VN087822.D	15 Sep 2025 09:35		JC\MD	Ok
5	VN0915WBS01	VN0915WBS01	VN087823.D	15 Sep 2025 09:56		JC\MD	Ok,M
6	VN0915WBSD01	VN0915WBSD01	VN087824.D	15 Sep 2025 10:29		JC\MD	Ok,M
7	Q3083-01	MW4S	VN087825.D	15 Sep 2025 10:50	vial B pH<2	JC\MD	Ok
8	Q3088-02	90525-LQ	VN087826.D	15 Sep 2025 11:11	vial A pH<2 brown/ turbid sample	JC\MD	Ok
9	PB169678TB	PB169678TB	VN087827.D	15 Sep 2025 11:32		JC\MD	Ok
10	Q3082-02	WC-29	VN087828.D	15 Sep 2025 11:53	vial A pH#5.0	JC\MD	Ok
11	Q3082-04	WC-30	VN087829.D	15 Sep 2025 12:14	vial A pH#5.0	JC\MD	Ok,M
12	Q3082-06	WC-31	VN087830.D	15 Sep 2025 12:35	vial A pH#5.0	JC\MD	Ok
13	Q3082-08	WC-32	VN087831.D	15 Sep 2025 12:56	vial A pH#5.0	JC\MD	Ok
14	Q3082-10	WC-33	VN087832.D	15 Sep 2025 13:17	vial A pH#5.0	JC\MD	Ok,M
15	Q3092-01	291376	VN087833.D	15 Sep 2025 13:38	vial A pH#5.0	JC\MD	Ok
16	Q3092-02	291376	VN087834.D	15 Sep 2025 13:59	vial A pH#5.0	JC\MD	Ok
17	Q3092-03	279182	VN087835.D	15 Sep 2025 14:20	vial A pH#5.0	JC\MD	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN091525

Review By	Maresh Dadoda	Review On	9/16/2025 7:59:53 AM
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM
SubDirectory	VN091525	HP Acquire Method	HP Processing Method 82N082125W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135447		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135448,VP135449		

18	Q3092-04	279182	VN087836.D	15 Sep 2025 14:41	vial A pH#5.0	JC\MD	Ok
19	VN0915MBS01	VN0915MBS01	VN087837.D	15 Sep 2025 15:02		JC\MD	Ok,M
20	VN0915MBSD01	VN0915MBSD01	VN087838.D	15 Sep 2025 15:22		JC\MD	Ok,M
21	Q3058-01ME	RPXY5ME	VN087839.D	15 Sep 2025 15:43		JC\MD	Ok
22	Q3075-04	MOO-25-0258	VN087840.D	15 Sep 2025 16:04	cloth material	JC\MD	Ok
23	Q3074-01	MOO-25-0141	VN087841.D	15 Sep 2025 16:25	cloth material	JC\MD	Ok
24	Q3073-02	BEL-25-0023	VN087842.D	15 Sep 2025 16:46	cloth material	JC\MD	Ok
25	Q3075-06	MOO-25-0259	VN087843.D	15 Sep 2025 17:06	cloth material	JC\MD	Ok
26	Q3077-01	LAW-25-0137	VN087844.D	15 Sep 2025 17:27	cloth material run straight MEOH	JC\MD	Not Ok
27	VSTDCCC050	VSTDCCC050EC	VN087845.D	15 Sep 2025 18:09		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY090825

Review By	Maresh Dadoda	Review On	9/9/2025 3:13:06 PM
Supervise By	Semsettin Yesilyurt	Supervise On	9/19/2025 2:10:25 AM
SubDirectory	VY090825	HP Acquire Method	MSVOA_Y HP Processing Method 82y090825s.m
STD. NAME	STD REF.#		
Tune/Reschk	VP135392		
Initial Calibration Stds	VP135393,VP135394,VP135395,VP135396,VP135397,VP135398		
CCC			
Internal Standard/PEM	VP133934		
ICV/I.BLK	VP135399		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023302.D	08 Sep 2025 09:07		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023303.D	08 Sep 2025 10:00		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023304.D	08 Sep 2025 10:23		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023305.D	08 Sep 2025 11:01		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023306.D	08 Sep 2025 11:23		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023307.D	08 Sep 2025 11:46		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023308.D	08 Sep 2025 12:08		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023309.D	08 Sep 2025 12:32		SY/MD	Ok
9	VSTDICV050	ICVVY090825	VY023310.D	08 Sep 2025 12:55		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY091025

Review By	Semsettin Yesilyurt	Review On	9/11/2025 5:40:36 PM
Supervise By	Maresh Dadoda	Supervise On	9/19/2025 2:06:55 AM
SubDirectory	VY091025	HP Acquire Method	MSVOA_Y HP Processing Method 82y090825s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135409		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135410,VP135411 VP133934		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023320.D	10 Sep 2025 08:38		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023321.D	10 Sep 2025 09:09		SY/MD	Ok,M
3	VY0910SBL01	VY0910SBL01	VY023322.D	10 Sep 2025 09:39		SY/MD	Ok
4	VY0910SBS01	VY0910SBS01	VY023323.D	10 Sep 2025 10:11		SY/MD	Ok,M
5	VY0910SBSD01	VY0910SBSD01	VY023324.D	10 Sep 2025 10:33		SY/MD	Ok,M
6	Q3055-01	OR-03-090925	VY023325.D	10 Sep 2025 11:39	vial-A	SY/MD	Ok
7	Q3056-01	OK-02-090925	VY023326.D	10 Sep 2025 12:02	vial-A	SY/MD	Ok
8	Q3059-01	TR-06-09092025	VY023327.D	10 Sep 2025 12:25	vial-A	SY/MD	Ok
9	Q3058-01	RPXY5	VY023328.D	10 Sep 2025 12:49	vial-A Need MeOH	SY/MD	Dilution
10	Q3058-02	RPXY4	VY023329.D	10 Sep 2025 13:12	vial-A	SY/MD	Ok
11	Q3066-01	354	VY023330.D	10 Sep 2025 14:02	vial-A	SY/MD	Ok
12	Q3066-03	VNJ-242	VY023331.D	10 Sep 2025 14:26	vial-A	SY/MD	Ok
13	Q3065-01	VNJ-204	VY023332.D	10 Sep 2025 14:49	vial-A Internal Standard fail	SY/MD	ReRun
14	VIBLK	VIBLK	VY023333.D	10 Sep 2025 15:13		SY/MD	Ok
15	VSTDCCC050	VSTDCCC050EC	VY023334.D	10 Sep 2025 15:35		SY/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3058	OrderDate:	9/9/2025 1:49:00 PM
Client:	G Environmental	Project:	Buffington
Contact:	Gary Landis	Location:	J42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3058-01	RPXY5	SOIL	VOC-TCLVOA-10	8260D	09/09/25		09/10/25	09/09/25
Q3058-01ME	RPXY5ME	SOIL	VOC-TCLVOA-10	8260D	09/09/25		09/15/25	09/09/25
Q3058-02	RPXY4	SOIL	VOC-TCLVOA-10	8260D	09/09/25		09/10/25	09/09/25
Q3058-03	MW4	Water	VOCMS Group1	8260-Low	09/09/25		09/10/25	09/09/25

Hit Summary Sheet
SW-846

SDG No.: Q3058
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW4							
Q3058-03	MW4	Water	Chloromethane	24.3		0.32	1.00	ug/L
Q3058-03	MW4	Water	Bromomethane	9.90		1.40	5.00	ug/L
Q3058-03	MW4	Water	Acetone	23.1		1.50	5.00	ug/L
Q3058-03	MW4	Water	Carbon Disulfide	0.76	J	0.21	1.00	ug/L
Q3058-03	MW4	Water	Chloroform	3.00		0.25	1.00	ug/L
Q3058-03	MW4	Water	Benzene	0.79	J	0.15	1.00	ug/L
Q3058-03	MW4	Water	Bromodichloromethane	0.37	J	0.22	1.00	ug/L
Q3058-03	MW4	Water	Toluene	1.10		0.14	1.00	ug/L
Q3058-03	MW4	Water	Ethyl Benzene	0.82	J	0.13	1.00	ug/L
Q3058-03	MW4	Water	m/p-Xylenes	0.99	J	0.24	2.00	ug/L
Q3058-03	MW4	Water	o-Xylene	1.10		0.12	1.00	ug/L
			Total Voc :			66.2		
Q3058-03	MW4	Water	Naphthalene	* 1.20	J	0.20	1.00	ug/L
Q3058-03	MW4	Water	Methyl Iodide	* 14.6	J	0.83	5.00	ug/L
			Total Tics :			15.8		
			Total Concentration:			82.0		



SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:	09/09/25	
Project:	Buffington		Date Received:	09/09/25	
Client Sample ID:	MW4		SDG No.:	Q3058	
Lab Sample ID:	Q3058-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087782.D	1	09/10/25 15:47	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	24.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	9.90		1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	23.1		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.76	J	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	3.00		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.79	J	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.37	J	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	09/09/25	
Project:	Buffington		Date Received:	09/09/25	
Client Sample ID:	MW4		SDG No.:	Q3058	
Lab Sample ID:	Q3058-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087782.D	1	09/10/25 15:47	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	1.10		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.82	J	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.99	J	0.24	2.00	ug/L
95-47-6	o-Xylene	1.10		0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	46.8		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	197000	8.206			
540-36-3	1,4-Difluorobenzene	454000	9.082			
3114-55-4	Chlorobenzene-d5	435000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	206000	13.77			
TENTATIVE IDENTIFIED COMPOUNDS						

Report of Analysis

Client:	G Environmental		Date Collected:	09/09/25	
Project:	Buffington		Date Received:	09/09/25	
Client Sample ID:	MW4		SDG No.:	Q3058	
Lab Sample ID:	Q3058-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087782.D	1	09/10/25 15:47	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-88-4	Methyl Iodide	14.6	J		4.58	ug/L
91-20-3	Naphthalene	1.20	J		15.6	ug/L

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

Surrogate Summary

SDG No.: **Q3058**

Client: **G Environmental**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3058-03	MW4	1,2-Dichloroethane-d4	50	51.6	103		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	46.8	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.1	94		70 (77)	130 (121)
VN0910WBL01	VN0910WBL01	1,2-Dichloroethane-d4	50	55.0	110		70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104		70 (75)	130 (124)
		Toluene-d8	50	47.9	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.2	88		70 (77)	130 (121)
VN0910WBS01	VN0910WBS01	1,2-Dichloroethane-d4	50	46.3	93		70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98		70 (75)	130 (124)
		Toluene-d8	50	46.1	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.1	94		70 (77)	130 (121)
VN0910WBSD0	VN0910WBSD01	1,2-Dichloroethane-d4	50	45.1	90		70 (74)	130 (125)
		Dibromofluoromethane	50	49.6	99		70 (75)	130 (124)
		Toluene-d8	50	48.0	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94		70 (77)	130 (121)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3058</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN087777.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0910WBS01	Dichlorodifluoromethane	20	19.0	ug/L	95			40 (69)	160 (116)	
	Chloromethane	20	19.9	ug/L	100			40 (65)	160 (116)	
	Vinyl chloride	20	19.7	ug/L	99			70 (65)	130 (117)	
	Bromomethane	20	21.0	ug/L	105			40 (58)	160 (125)	
	Chloroethane	20	19.4	ug/L	97			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.2	ug/L	101			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70 (80)	130 (112)	
	1,1-Dichloroethene	20	19.5	ug/L	98			70 (74)	130 (110)	
	Acetone	100	97.1	ug/L	97			40 (60)	160 (125)	
	Carbon disulfide	20	17.6	ug/L	88			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.7	ug/L	99			70 (78)	130 (114)	
	Methyl Acetate	20	23.8	ug/L	119			70 (67)	130 (125)	
	Methylene Chloride	20	20.0	ug/L	100			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.3	ug/L	102			70 (78)	130 (112)	
	Cyclohexane	20	17.9	ug/L	90			70 (75)	130 (110)	
	2-Butanone	100	97.4	ug/L	97			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.5	ug/L	103			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.8	ug/L	99			70 (77)	130 (110)	
	Bromochloromethane	20	18.5	ug/L	93			70 (70)	130 (124)	
	Chloroform	20	20.8	ug/L	104			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			70 (80)	130 (108)	
	Methylcyclohexane	20	17.5	ug/L	88			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.2	ug/L	101			70 (80)	130 (115)	
	Trichloroethene	20	20.0	ug/L	100			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.9	ug/L	100			70 (83)	130 (111)	
	Dibromomethane	20	20.9	ug/L	104			70 (82)	130 (110)	
	Bromodichloromethane	20	21.2	ug/L	106			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	20.1	ug/L	101			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.3	ug/L	102			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.6	ug/L	108			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	1,2-Dibromoethane	20	20.9	ug/L	104			70 (81)	130 (110)	
	Tetrachloroethene	20	19.4	ug/L	97			70 (67)	130 (123)	
	Chlorobenzene	20	20.3	ug/L	102			70 (82)	130 (109)	
	Ethyl Benzene	20	20.1	ug/L	101			70 (83)	130 (109)	
	m/p-Xylenes	40	40.3	ug/L	101			70 (82)	130 (110)	
	o-Xylene	20	20.2	ug/L	101			70 (83)	130 (109)	
	Styrene	20	21.1	ug/L	106			70 (80)	130 (111)	
	Bromoform	20	23.2	ug/L	116			70 (79)	130 (109)	
	Isopropylbenzene	20	18.6	ug/L	93			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.1	ug/L	101			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	20.3	ug/L	102			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3058</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN087777.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0910WBS01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/L	98			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.5	ug/L	98			70 (76)	130 (114)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3058</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN087778.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0910WBSD01	Dichlorodifluoromethane	20	19.5	ug/L	98	3		40 (69)	160 (116)	20 (19)
	Chloromethane	20	20.1	ug/L	101	1		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	18.9	ug/L	95	4		70 (65)	130 (117)	20 (19)
	Bromomethane	20	21.3	ug/L	106	1		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.7	ug/L	94	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	20.8	ug/L	104	3		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/L	100	2		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	19.2	ug/L	96	2		70 (74)	130 (110)	20 (20)
	Acetone	100	93.6	ug/L	94	3		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.0	ug/L	85	3		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.2	ug/L	96	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	23.7	ug/L	119	0		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.0	ug/L	95	5		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	3		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.0	ug/L	95	7		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.0	ug/L	90	0		70 (75)	130 (110)	20 (20)
	2-Butanone	100	96.7	ug/L	97	0		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	21.5	ug/L	108	5		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	3		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	17.8	ug/L	89	4		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.3	ug/L	102	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.8	ug/L	99	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.0	ug/L	95	8		70 (72)	130 (115)	20 (20)
	Benzene	20	20.4	ug/L	102	3		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.6	ug/L	103	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.4	ug/L	102	2		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.9	ug/L	100	0		70 (83)	130 (111)	20 (16)
	Dibromomethane	20	21.2	ug/L	106	2		70 (82)	130 (110)	20 (20)
	Bromodichloromethane	20	21.5	ug/L	108	2		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		40 (74)	160 (118)	20 (25)
	Toluene	20	20.4	ug/L	102	1		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	21.3	ug/L	106	2		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	21.0	ug/L	105	3		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	22.1	ug/L	111	3		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (25)
	1,2-Dibromoethane	20	21.7	ug/L	109	5		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.8	ug/L	99	2		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	20.6	ug/L	103	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	20.2	ug/L	101	0		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	42.0	ug/L	105	4		70 (82)	130 (110)	20 (15)
	o-Xylene	20	19.6	ug/L	98	3		70 (83)	130 (109)	20 (20)
	Styrene	20	21.0	ug/L	105	1		70 (80)	130 (111)	20 (17)
	Bromoform	20	22.7	ug/L	114	2		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.2	ug/L	96	3		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106	5		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.7	ug/L	99	2		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.8	ug/L	99	0		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	20.2	ug/L	101	1		70 (82)	130 (109)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3058</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN087778.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0910WBSD01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/L	101	3		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.7	ug/L	99	3		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.8	ug/L	99	1		70 (76)	130 (114)	20 (29)

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

Client ID

VN0910WBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3058

Lab File ID: VN087776.D

Lab Sample ID: VN0910WBL01

Date Analyzed: 09/10/2025

Time Analyzed: 12:46

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0910WBS01	VN0910WBS01	VN087777.D	09/10/2025
VN0910WBSD01	VN0910WBSD01	VN087778.D	09/10/2025
MW4	Q3058-03	VN087782.D	09/10/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VN087614.D
Instrument ID: MSVOA_N
GC Column: RXI-624 ID: 0.25 (mm)

Contract: GENV01
SDG NO.: Q3058
BFB Injection Date: 08/21/2025
BFB Injection Time: 09:30
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.6 (8.1) 1
176	95.0 - 101.0% of mass 174	67.7 (98.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN087619.D	08/21/2025	12:09
VSTDIC005	VSTDIC005	VN087620.D	08/21/2025	13:08
VSTDIC020	VSTDIC020	VN087621.D	08/21/2025	13:41
VSTDIC050	VSTDIC050	VN087622.D	08/21/2025	14:02
VSTDIC100	VSTDIC100	VN087623.D	08/21/2025	14:23
VSTDIC150	VSTDIC150	VN087624.D	08/21/2025	14:44

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VN087773.D
Instrument ID: MSVOA_N
GC Column: RXI-624 ID: 0.25 (mm)

Contract: GENV01
SDG NO.: Q3058
BFB Injection Date: 09/10/2025
BFB Injection Time: 11:13
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22
75	30.0 - 60.0% of mass 95	56.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.9 (8.1) 1
176	95.0 - 101.0% of mass 174	69.2 (95.5) 1
177	5.0 - 9.0% of mass 176	4.9 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087774.D	09/10/2025	11:47
VN0910WBL01	VN0910WBL01	VN087776.D	09/10/2025	12:46
VN0910WBS01	VN0910WBS01	VN087777.D	09/10/2025	13:29
VN0910WBSD01	VN0910WBSD01	VN087778.D	09/10/2025	13:50
MW4	Q3058-03	VN087782.D	09/10/2025	15:47

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
Lab Code: ACE SDG NO.: Q3058
Lab File ID: VN087774.D Date Analyzed: 09/10/2025
Instrument ID: MSVOA_N Time Analyzed: 11:47
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	241352	8.21	467783	9.08	458675	11.84
UPPER LIMIT	482704	8.706	935566	9.582	917350	12.341
LOWER LIMIT	120676	7.706	233892	8.582	229338	11.341
EPA SAMPLE NO.						
MW4	196528	8.21	453885	9.08	434796	11.84
VN0910WBL01	177881	8.21	413161	9.08	392580	11.84
VN0910WBS01	247948	8.21	481179	9.08	443678	11.85
VN0910WBSD01	258583	8.21	480224	9.08	451507	11.84

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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q3058
 Lab File ID: VN087774.D Date Analyzed: 09/10/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:47
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	238791	13.77				
UPPER LIMIT	477582	14.27				
LOWER LIMIT	119396	13.27				
EPA SAMPLE NO.						
MW4	206220	13.77				
VN0910WBL01	179388	13.77				
VN0910WBS01	236791	13.77				
VN0910WBSD01	236702	13.77				

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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buffington		Date Received:	
Client Sample ID:	VN0910WBL01		SDG No.:	Q3058
Lab Sample ID:	VN0910WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087776.D	1	09/10/25 12:46	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buffington		Date Received:		
Client Sample ID:	VN0910WBL01		SDG No.:	Q3058	
Lab Sample ID:	VN0910WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087776.D	1	09/10/25 12:46	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178000	8.206			
540-36-3	1,4-Difluorobenzene	413000	9.082			
3114-55-4	Chlorobenzene-d5	393000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.77			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buffington		Date Received:	
Client Sample ID:	VN0910WBL01		SDG No.:	Q3058
Lab Sample ID:	VN0910WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087776.D	1	09/10/25 12:46	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buffington		Date Received:	
Client Sample ID:	VN0910WBS01		SDG No.:	Q3058
Lab Sample ID:	VN0910WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087777.D	1	09/10/25 13:29	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.0		0.22	1.00	ug/L
74-87-3	Chloromethane	19.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.7		0.26	1.00	ug/L
74-83-9	Bromomethane	21.0		1.40	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.2		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.5		0.23	1.00	ug/L
67-64-1	Acetone	97.1		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.50	5.00	ug/L
78-93-3	2-Butanone	97.4		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.5		0.22	1.00	ug/L
67-66-3	Chloroform	20.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.5		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.20	1.00	ug/L
74-95-3	Dibromomethane	20.9		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buffington		Date Received:	
Client Sample ID:	VN0910WBS01		SDG No.:	Q3058
Lab Sample ID:	VN0910WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087777.D	1	09/10/25 13:29	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.1		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.4		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.3		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.24	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	1.00	ug/L
100-42-5	Styrene	21.1		0.15	1.00	ug/L
75-25-2	Bromoform	23.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.5		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.3		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248000	8.206			
540-36-3	1,4-Difluorobenzene	481000	9.083			
3114-55-4	Chlorobenzene-d5	444000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.77			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buffington		Date Received:	
Client Sample ID:	VN0910WBSD01		SDG No.:	Q3058
Lab Sample ID:	VN0910WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087778.D	1	09/10/25 13:50	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.5		0.22	1.00	ug/L
74-87-3	Chloromethane	20.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	1.00	ug/L
74-83-9	Bromomethane	21.3		1.40	5.00	ug/L
75-00-3	Chloroethane	18.7		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.8		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
67-64-1	Acetone	93.6		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.7		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.0		1.50	5.00	ug/L
78-93-3	2-Butanone	96.7		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.19	1.00	ug/L
74-97-5	Bromochloromethane	17.8		0.22	1.00	ug/L
67-66-3	Chloroform	20.3		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.16	1.00	ug/L
71-43-2	Benzene	20.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.20	1.00	ug/L
74-95-3	Dibromomethane	21.2		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buffington		Date Received:		
Client Sample ID:	VN0910WBSD01		SDG No.:	Q3058	
Lab Sample ID:	VN0910WBSD01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087778.D	1	09/10/25 13:50	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.4		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.1		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
106-93-4	1,2-Dibromoethane	21.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	42.0		0.24	2.00	ug/L
95-47-6	o-Xylene	19.6		0.12	1.00	ug/L
100-42-5	Styrene	21.0		0.15	1.00	ug/L
75-25-2	Bromoform	22.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.1		70 (74) - 130 (125)	90%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	48.0		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	259000	8.206			
540-36-3	1,4-Difluorobenzene	480000	9.083			
3114-55-4	Chlorobenzene-d5	452000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.771			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buffington		Date Received:	
Client Sample ID:	VN0910WBSD01		SDG No.:	Q3058
Lab Sample ID:	VN0910WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087778.D	1	09/10/25 13:50	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG No.: Q3058

Instrument ID: MSVOA_N

Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N

Calibration Time(s): 12:09 14:44

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

LAB FILE ID:								
RRF001 = VN087619.D			RRF005 = VN087620.D			RRF020 = VN087621.D		
RRF050 = VN087622.D			RRF100 = VN087623.D			RRF150 = VN087624.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.707	0.579	0.606	0.810	0.777	0.782	0.710	13.7
Chloromethane	0.739	0.637	0.710	0.795	0.752	0.747	0.730	7.3
Vinyl Chloride	0.909	0.739	0.832	0.903	0.847	0.846	0.846	7.3
Bromomethane		0.388	0.393	0.448	0.466	0.488	0.437	10.2
Chloroethane	0.727	0.528	0.599	0.603	0.558	0.554	0.595	11.9
Trichlorofluoromethane	1.323	1.139	1.242	1.274	1.227	1.233	1.240	4.9
1,1,2-Trichlorotrifluoroethane	0.879	0.648	0.677	0.695	0.654	0.656	0.701	12.6
1,1-Dichloroethene	0.892	0.649	0.730	0.700	0.667	0.687	0.721	12.3
Acetone	0.633	0.634	0.584	0.522	0.484	0.489	0.558	12.3
Carbon Disulfide	2.272	1.746	1.970	2.003	1.937	1.979	1.985	8.5
Methyl tert-butyl Ether	2.859	2.508	2.740	2.733	2.643	2.742	2.704	4.4
Methyl Acetate	1.450	1.043	1.097	1.157	1.117	1.141	1.168	12.3
Methylene Chloride	1.494	0.916	0.875	0.823	0.779	0.799	0.948	28.8
trans-1,2-Dichloroethene	0.952	0.734	0.768	0.750	0.737	0.745	0.781	10.8
1,1-Dichloroethane	1.798	1.500	1.549	1.501	1.454	1.471	1.546	8.3
Cyclohexane		1.490	1.310	1.234	1.201	1.207	1.289	9.4
2-Butanone	0.783	0.722	0.757	0.732	0.700	0.707	0.734	4.3
Carbon Tetrachloride	0.571	0.509	0.568	0.542	0.549	0.542	0.547	4.1
cis-1,2-Dichloroethene	0.997	0.916	0.937	0.941	0.908	0.905	0.934	3.7
Bromochloromethane	0.800	0.781	0.722	0.701	0.748	0.731	0.747	5
Chloroform	1.677	1.535	1.629	1.579	1.519	1.528	1.578	4
1,1,1-Trichloroethane	1.510	1.297	1.359	1.303	1.265	1.288	1.337	6.8
Methylcyclohexane	0.686	0.580	0.610	0.590	0.597	0.596	0.610	6.3
Benzene	1.853	1.637	1.727	1.684	1.639	1.652	1.699	4.9
1,2-Dichloroethane	0.714	0.627	0.675	0.650	0.624	0.626	0.653	5.5
Trichloroethene	0.435	0.387	0.390	0.377	0.367	0.370	0.388	6.5
1,2-Dichloropropane	0.544	0.435	0.447	0.433	0.415	0.412	0.448	11
Dibromomethane	0.351	0.294	0.327	0.318	0.310	0.312	0.319	6.1
Bromodichloromethane	0.686	0.649	0.667	0.638	0.638	0.639	0.653	3
4-Methyl-2-Pentanone	0.701	0.675	0.744	0.736	0.718	0.704	0.713	3.5

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG No.: Q3058
 Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025
 Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN087619.D		RRF005 = VN087620.D		RRF020 = VN087621.D			
		RRF050 = VN087622.D		RRF100 = VN087623.D		RRF150 = VN087624.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Toluene	1.148	0.987	1.062	1.050	1.037	1.033	1.053	5	
t-1,3-Dichloropropene	0.620	0.628	0.691	0.703	0.699	0.715	0.676	6.1	
cis-1,3-Dichloropropene	0.717	0.640	0.712	0.718	0.714	0.710	0.702	4.3	
1,1,2-Trichloroethane	0.439	0.383	0.417	0.408	0.400	0.397	0.407	4.7	
2-Hexanone	0.295	0.390	0.493	0.510	0.508	0.507	0.451	19.8	
1,2-Dibromoethane	0.412	0.433	0.444	0.432	0.429	0.427	0.430	2.4	
Tetrachloroethene	0.447	0.353	0.340	0.313	0.315	0.313	0.347	14.9	
Chlorobenzene	1.408	1.164	1.253	1.210	1.216	1.212	1.244	6.9	
Ethyl Benzene	2.232	1.993	2.224	2.144	2.152	2.178	2.154	4	
m/p-Xylenes	0.759	0.735	0.811	0.812	0.808	0.814	0.790	4.3	
o-Xylene	0.777	0.707	0.794	0.796	0.788	0.784	0.774	4.3	
Styrene	1.142	1.086	1.391	1.382	1.386	1.393	1.297	11	
Bromoform	0.303	0.285	0.320	0.320	0.336	0.336	0.317	6.3	
Isopropylbenzene	4.328	3.674	4.096	4.026	3.998	4.120	4.040	5.3	
1,1,2,2-Tetrachloroethane	1.488	1.381	1.421	1.363	1.322	1.371	1.391	4.1	
1,3-Dichlorobenzene	2.087	1.770	1.940	1.827	1.806	1.826	1.876	6.3	
1,4-Dichlorobenzene	2.348	1.884	1.956	1.867	1.818	1.841	1.952	10.2	
1,2-Dichlorobenzene	1.942	1.662	1.853	1.755	1.723	1.743	1.780	5.7	
1,2-Dibromo-3-Chloropropane	0.370	0.323	0.329	0.317	0.313	0.330	0.330	6.2	
1,2,4-Trichlorobenzene	1.192	0.995	1.081	1.026	1.040	1.079	1.069	6.4	
1,2,3-Trichlorobenzene	1.140	0.972	1.059	1.006	1.019	1.072	1.045	5.7	
1,2-Dichloroethane-d4		1.025	1.016	0.959	1.035	1.089	1.024	4.5	
Dibromofluoromethane		0.369	0.344	0.334	0.373	0.386	0.361	6	
Toluene-d8		1.384	1.266	1.223	1.408	1.475	1.351	7.7	
4-Bromofluorobenzene		0.446	0.454	0.450	0.514	0.540	0.481	9	

* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3058</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/10/2025 11:47</u>
Lab File ID:	<u>VN087774.D</u>	Init. Calib. Date(s):	<u>08/21/2025 08/21/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:09 14:44</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.710	0.610		-14.09	20
Chloromethane	0.730	0.651	0.1	-10.82	20
Vinyl Chloride	0.846	0.733		-13.36	20
Bromomethane	0.437	0.399		-8.7	20
Chloroethane	0.595	0.515		-13.44	20
Trichlorofluoromethane	1.240	1.154		-6.93	20
1,1,2-Trichlorotrifluoroethane	0.701	0.632		-9.84	20
1,1-Dichloroethene	0.721	0.641		-11.1	20
Acetone	0.558	0.461		-17.38	20
Carbon Disulfide	1.985	1.593		-19.75	20
Methyl tert-butyl Ether	2.704	2.578		-4.66	20
Methyl Acetate	1.168	1.280		9.59	20
Methylene Chloride	0.948	0.752		-20.67	20
trans-1,2-Dichloroethene	0.781	0.691		-11.52	20
1,1-Dichloroethane	1.546	1.426	0.1	-7.76	20
Cyclohexane	1.289	1.032		-19.94	20
2-Butanone	0.734	0.668		-8.99	20
Carbon Tetrachloride	0.547	0.536		-2.01	20
cis-1,2-Dichloroethene	0.934	0.870		-6.85	20
Bromochloromethane	0.747	0.716		-4.15	20
Chloroform	1.578	1.527		-3.23	20
1,1,1-Trichloroethane	1.337	1.246		-6.81	20
Methylcyclohexane	0.610	0.519		-14.92	20
Benzene	1.699	1.610		-5.24	20
1,2-Dichloroethane	0.653	0.618		-5.36	20
Trichloroethene	0.388	0.359		-7.47	20
1,2-Dichloropropane	0.448	0.419		-6.47	20
Dibromomethane	0.319	0.315		-1.25	20
Bromodichloromethane	0.653	0.651		-0.31	20
4-Methyl-2-Pentanone	0.713	0.712		-0.14	20
Toluene	1.053	1.008		-4.27	20
t-1,3-Dichloropropene	0.676	0.671		-0.74	20
cis-1,3-Dichloropropene	0.702	0.684		-2.56	20
1,1,2-Trichloroethane	0.407	0.420		3.19	20
2-Hexanone	0.451	0.481		6.65	20
1,2-Dibromoethane	0.430	0.430		0	20
Tetrachloroethene	0.347	0.301		-13.26	20
Chlorobenzene	1.244	1.159	0.3	-6.83	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3058</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>09/10/2025</u> <u>11:47</u>
Lab File ID:	<u>VN087774.D</u>	Init. Calib. Date(s):	<u>08/21/2025</u> <u>08/21/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:09</u> <u>14:44</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.154	1.995		-7.38	20
m/p-Xylenes	0.790	0.761		-3.67	20
o-Xylene	0.774	0.730		-5.68	20
Styrene	1.297	1.300		0.23	20
Bromoform	0.317	0.332	0.1	4.73	20
Isopropylbenzene	4.040	3.630		-10.15	20
1,1,2,2-Tetrachloroethane	1.391	1.305	0.3	-6.18	20
1,3-Dichlorobenzene	1.876	1.776		-5.33	20
1,4-Dichlorobenzene	1.952	1.790		-8.3	20
1,2-Dichlorobenzene	1.780	1.690		-5.06	20
1,2-Dibromo-3-Chloropropane	0.330	0.291		-11.82	20
1,2,4-Trichlorobenzene	1.069	1.007		-5.8	20
1,2,3-Trichlorobenzene	1.045	0.990		-5.26	20
1,2-Dichloroethane-d4	1.024	0.986		-3.71	20
Dibromofluoromethane	0.361	0.374		3.6	20
Toluene-d8	1.351	1.346		-0.37	20
4-Bromofluorobenzene	0.481	0.487		1.25	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_N\Data\VN091025\
 Data File : VN087782.D
 Acq On : 10 Sep 2025 15:47
 Operator : JC\MD
 Sample : Q3058-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4

Quant Time: Sep 11 02:05:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

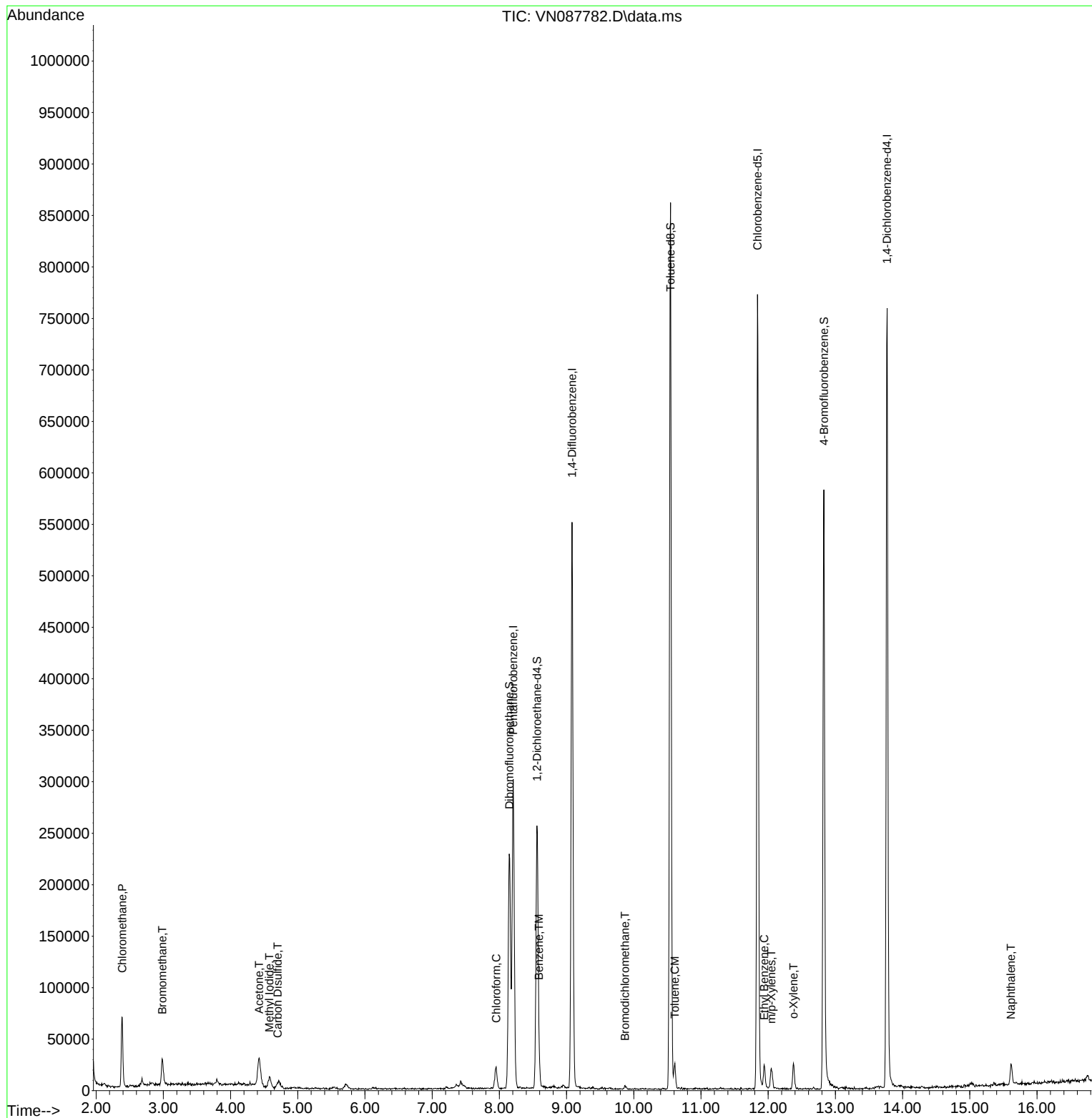
Internal Standards						
1) Pentafluorobenzene	8.206	168	196528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	453885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	434796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	207855	51.620	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 103.240%		
35) Dibromofluoromethane	8.147	113	164718	50.264	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.520%		
50) Toluene-d8	10.547	98	573709	46.775	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 93.540%		
62) 4-Bromofluorobenzene	12.829	95	205625	47.141	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 94.280%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	69637	24.277	ug/l	95
5) Bromomethane	2.983	94	16998	9.905	ug/l	89
10) Methyl Iodide	4.577	142	18472	14.554	ug/l #	96
16) Acetone	4.424	43	50618	23.092	ug/l	97
17) Carbon Disulfide	4.700	76	5929	0.760	ug/l #	88
30) Chloroform	7.953	83	18426	2.971	ug/l	87
40) Benzene	8.588	78	12142	0.787	ug/l	97
47) Bromodichloromethane	9.871	83	2163	0.365	ug/l #	70
52) Toluene	10.612	92	10092	1.056	ug/l	85
67) Ethyl Benzene	11.941	91	15321	0.818	ug/l	95
68) m/p-Xylenes	12.047	106	6766	0.985	ug/l	99
69) o-Xylene	12.376	106	7363	1.094	ug/l	96
95) Naphthalene	15.611	128	18706	1.198	ug/l #	92

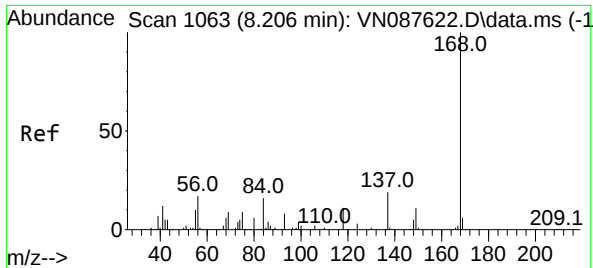
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Time: Sep 11 02:05:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

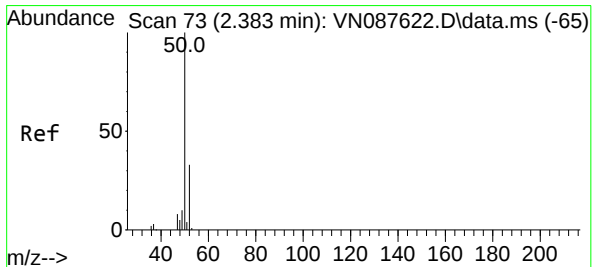
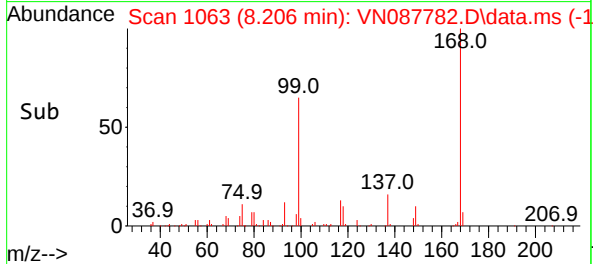
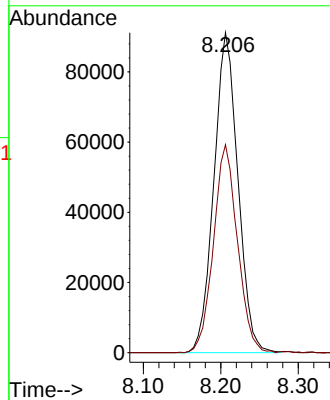
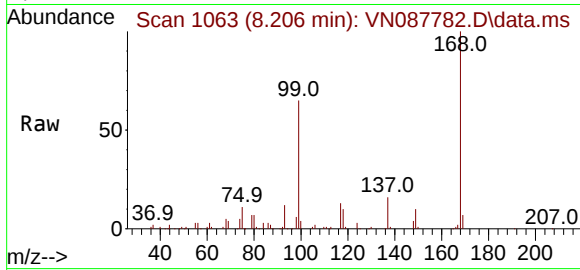




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

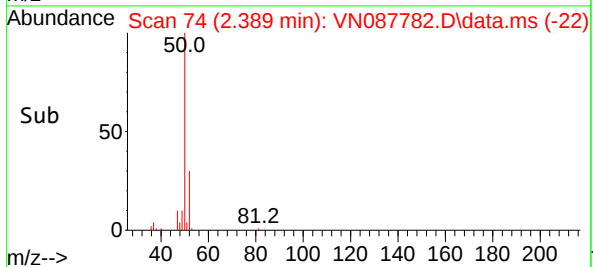
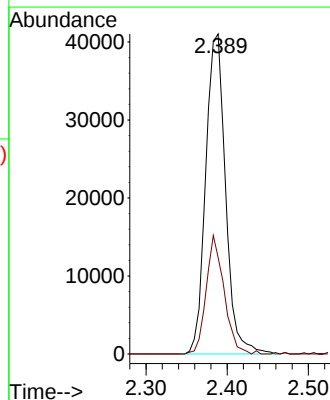
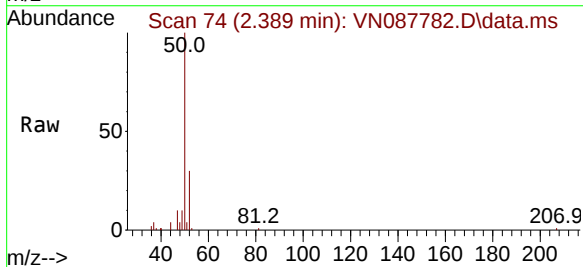
Instrument :
MSVOA_N
ClientSampleId :
MW4

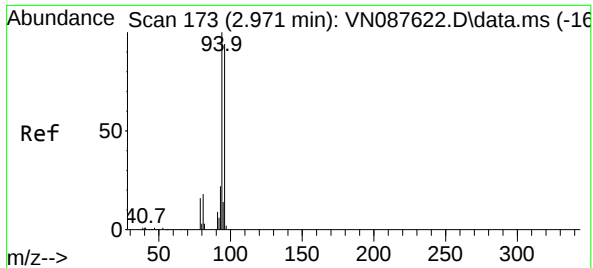
Tgt Ion:168 Resp: 196528
Ion Ratio Lower Upper
168 100
99 64.8 57.2 85.8



#3
Chloromethane
Concen: 24.277 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 50 Resp: 69637
Ion Ratio Lower Upper
50 100
52 30.2 26.2 39.4

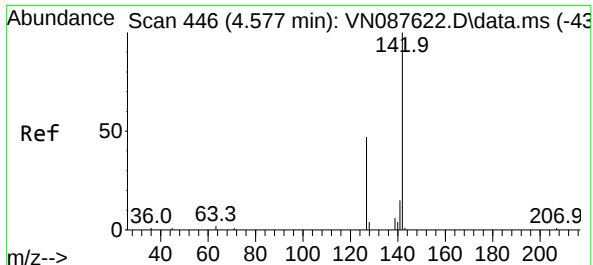
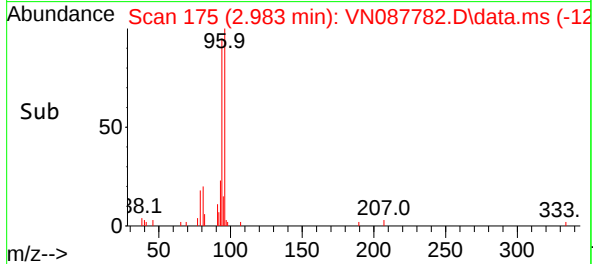
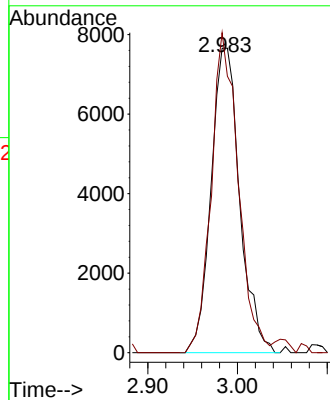
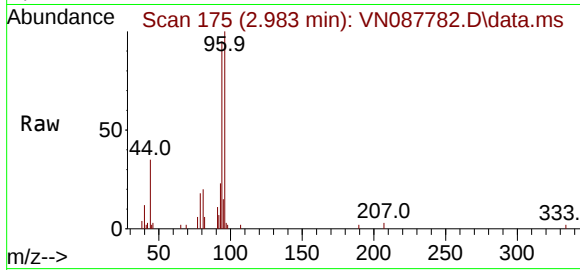




#5
Bromomethane
Concen: 9.905 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

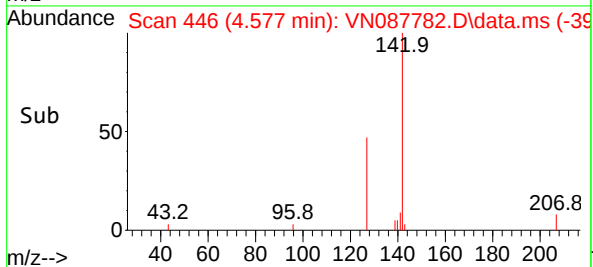
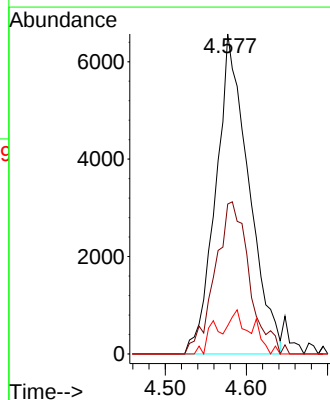
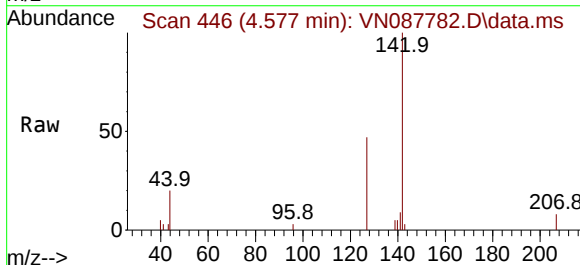
Instrument :
MSVOA_N
ClientSampleId :
MW4

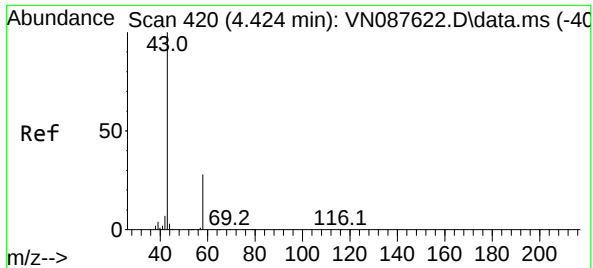
Tgt Ion: 94 Resp: 16998
Ion Ratio Lower Upper
94 100
96 105.1 75.4 113.2



#10
Methyl Iodide
Concen: 14.554 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 142 Resp: 18472
Ion Ratio Lower Upper
142 100
127 46.8 38.0 57.0
141 8.8 12.0 18.0#

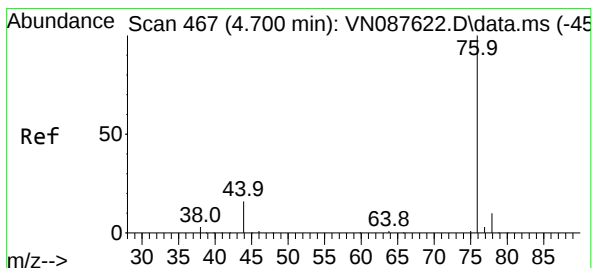
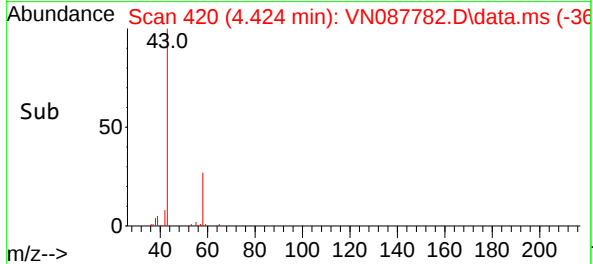
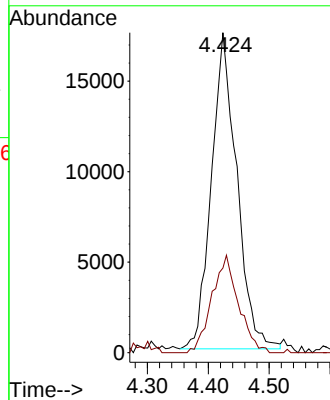
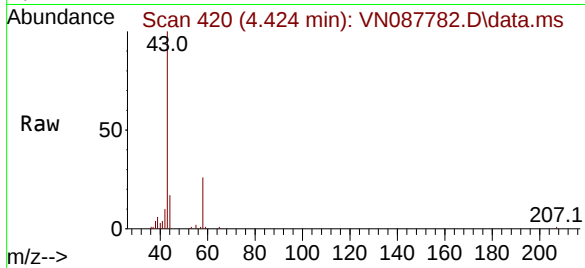




#16
Acetone
Concen: 23.092 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

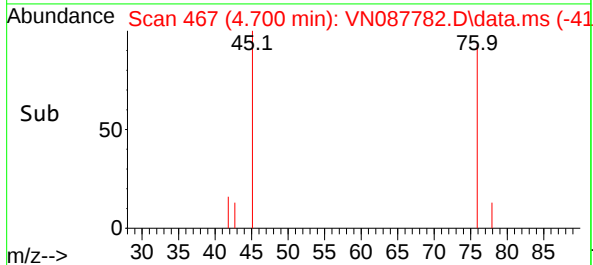
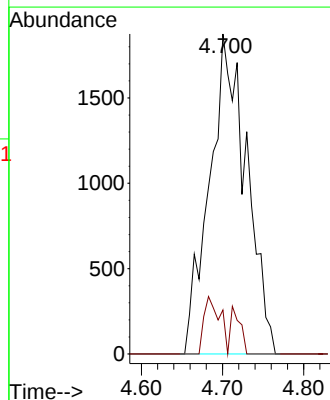
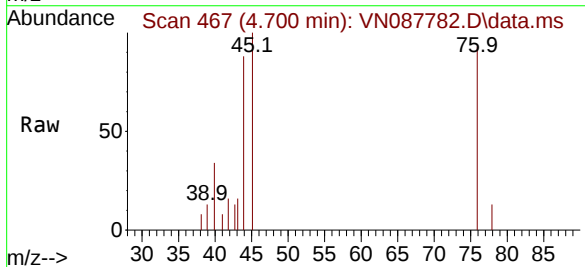
Instrument :
MSVOA_N
ClientSampleId :
MW4

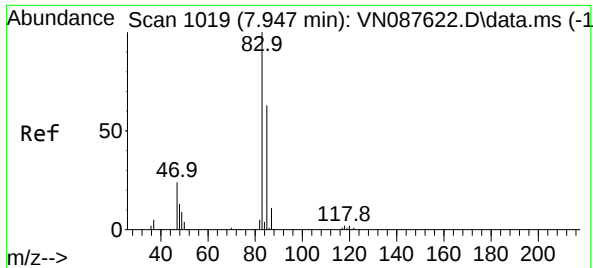
Tgt Ion: 43 Resp: 50618
Ion Ratio Lower Upper
43 100
58 26.8 22.6 33.8



#17
Carbon Disulfide
Concen: 0.760 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 76 Resp: 5929
Ion Ratio Lower Upper
76 100
78 13.8 7.6 11.4#

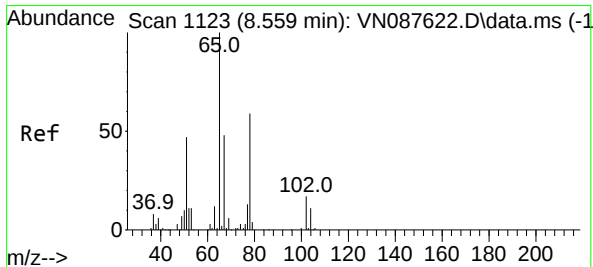
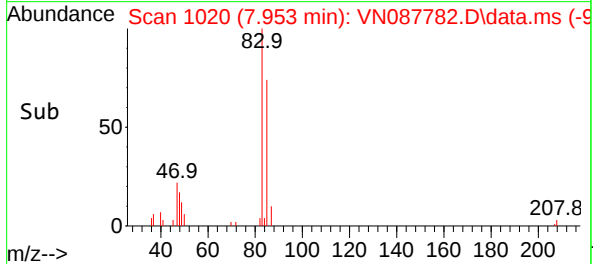
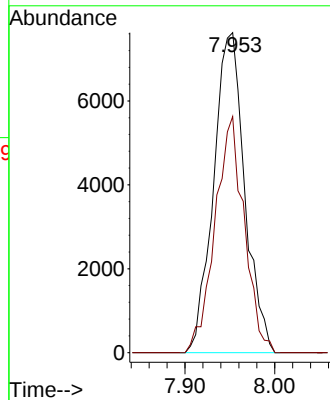
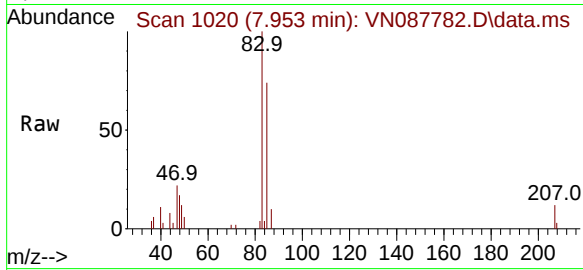




#30
Chloroform
Concen: 2.971 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

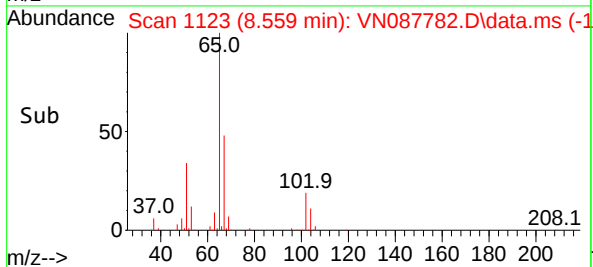
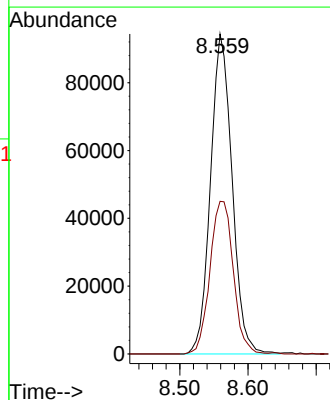
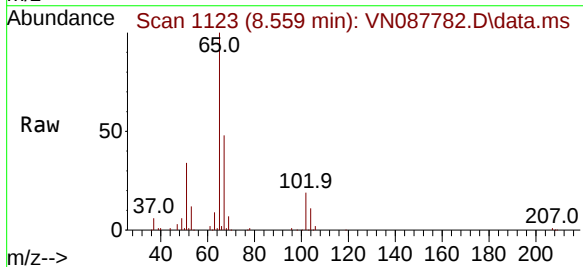
Instrument :
MSVOA_N
ClientSampleId :
MW4

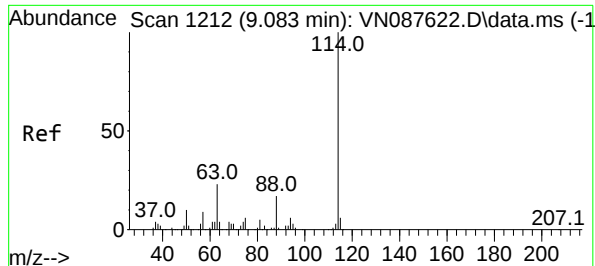
Tgt Ion: 83 Resp: 18426
Ion Ratio Lower Upper
83 100
85 73.8 50.7 76.1



#33
1,2-Dichloroethane-d4
Concen: 51.620 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 65 Resp: 207855
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087782.D

Acq: 10 Sep 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

MW4

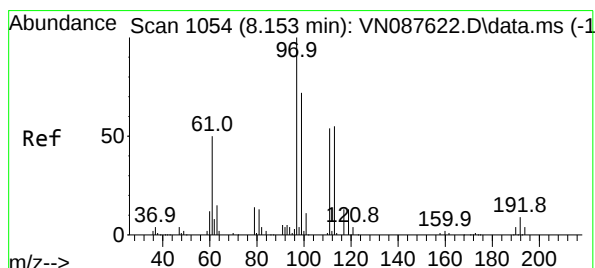
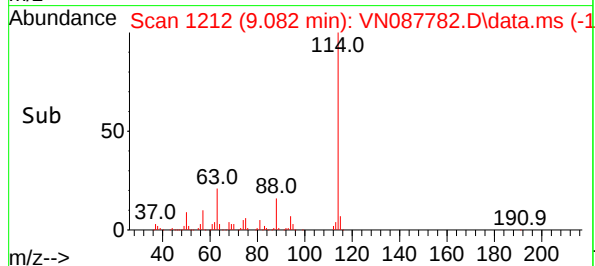
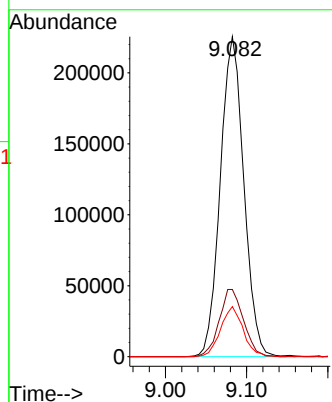
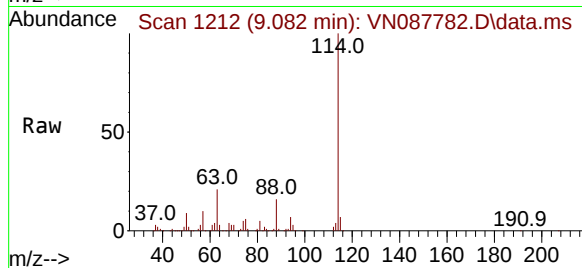
Tgt Ion:114 Resp: 453885

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.2

88 15.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.264 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087782.D

Acq: 10 Sep 2025 15:47

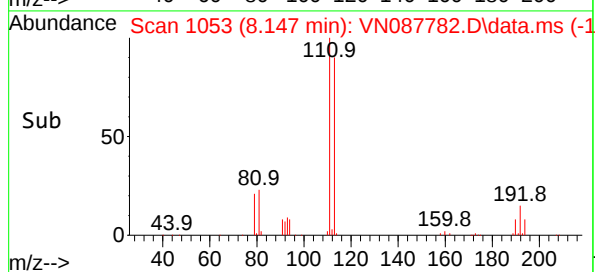
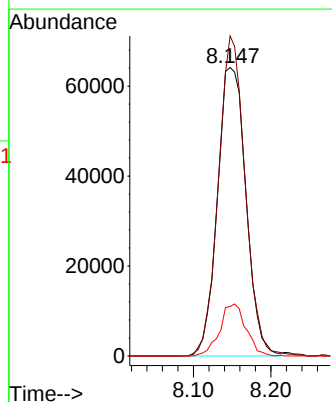
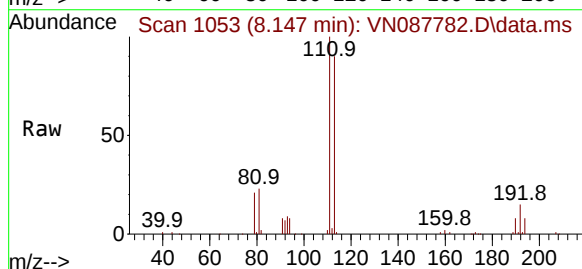
Tgt Ion:113 Resp: 164718

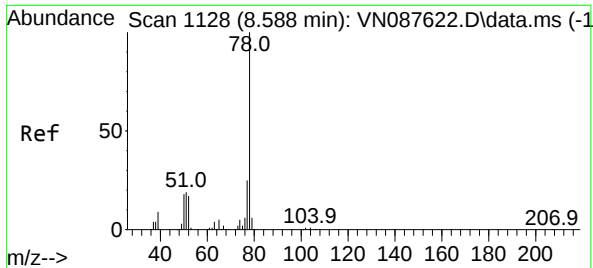
Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

192 16.5 12.8 19.2

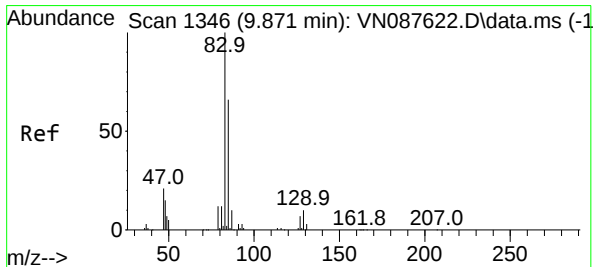
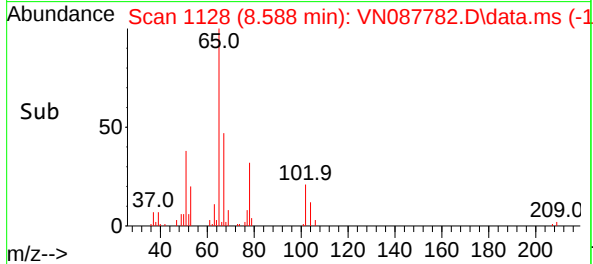
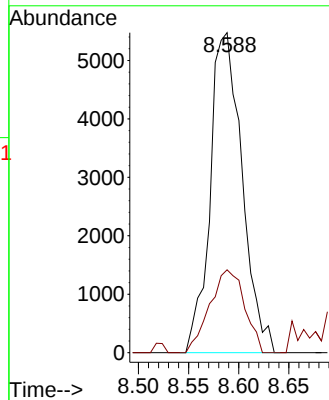
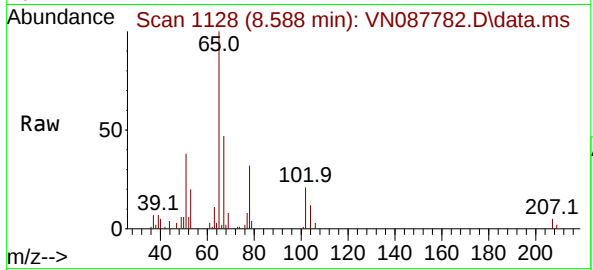




#40
Benzene
Concen: 0.787 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

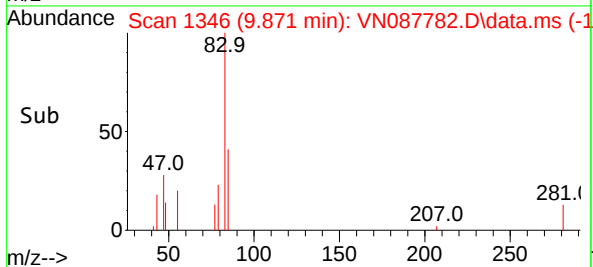
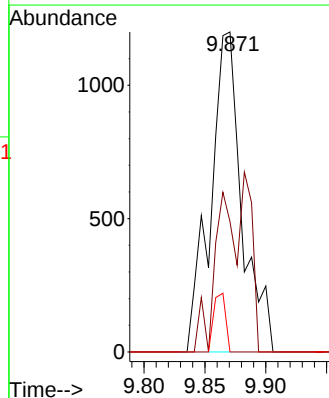
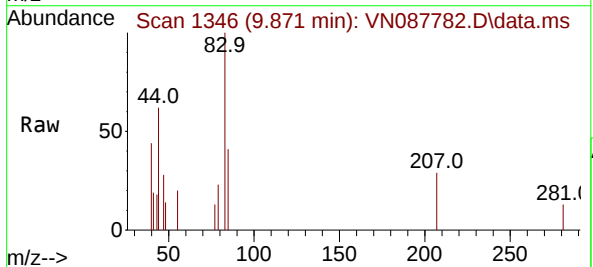
Instrument :
MSVOA_N
ClientSampleId :
MW4

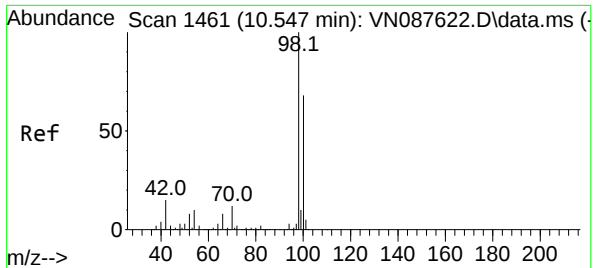
Tgt Ion: 78 Resp: 12142
Ion Ratio Lower Upper
78 100
77 25.9 19.7 29.5



#47
Bromodichloromethane
Concen: 0.365 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 83 Resp: 2163
Ion Ratio Lower Upper
83 100
85 40.8 52.5 78.7#
127 0.0 5.8 8.6#

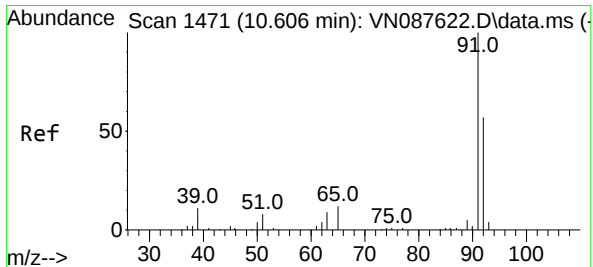
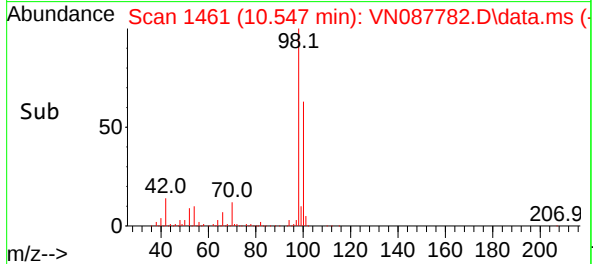
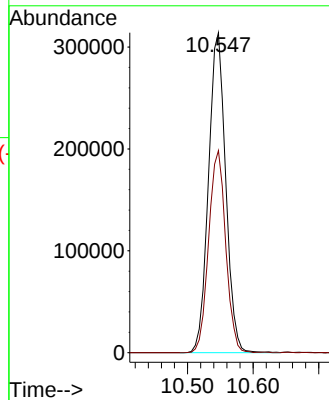
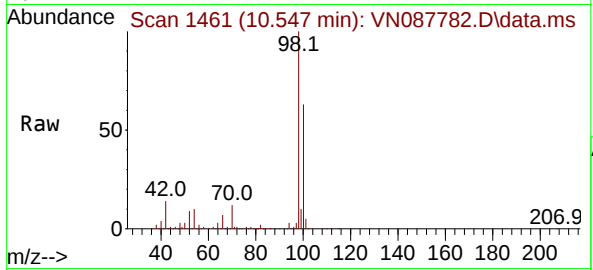




#50
Toluene-d8
Concen: 46.775 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

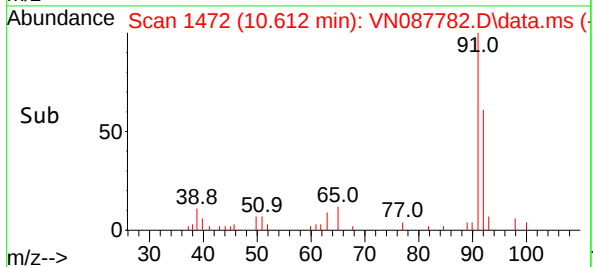
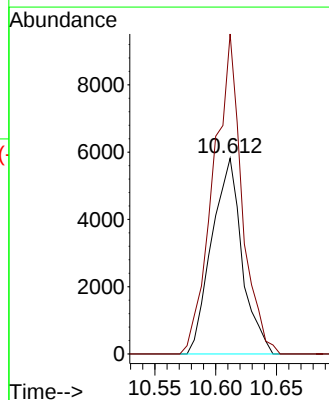
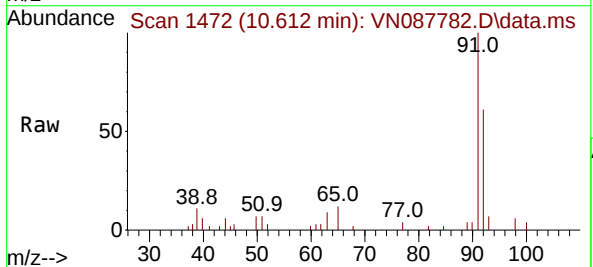
Instrument :
MSVOA_N
ClientSampleId :
MW4

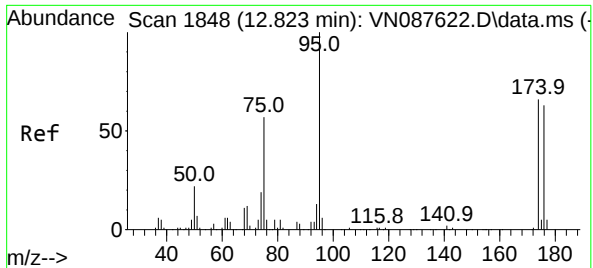
Tgt Ion: 98 Resp: 573709
Ion Ratio Lower Upper
98 100
100 62.6 52.8 79.2



#52
Toluene
Concen: 1.056 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 92 Resp: 10092
Ion Ratio Lower Upper
92 100
91 155.0 140.4 210.6

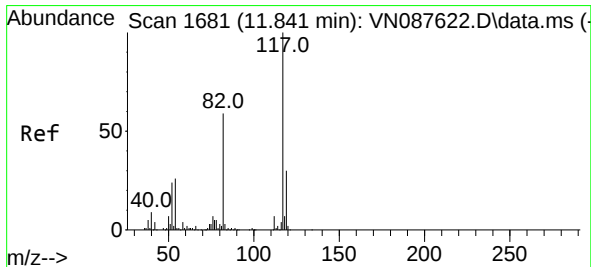
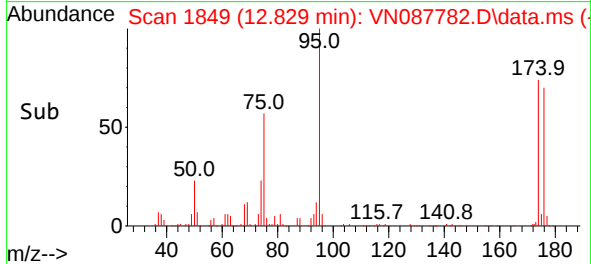
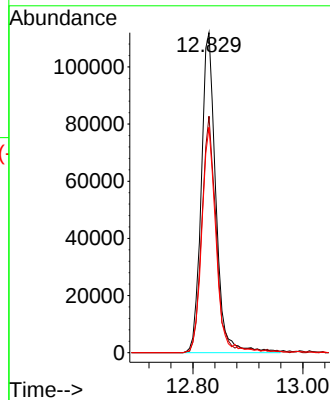
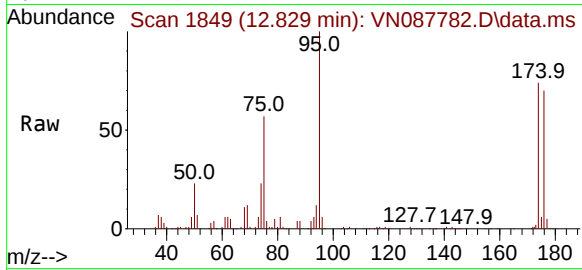




#62
4-Bromofluorobenzene
Concen: 47.141 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

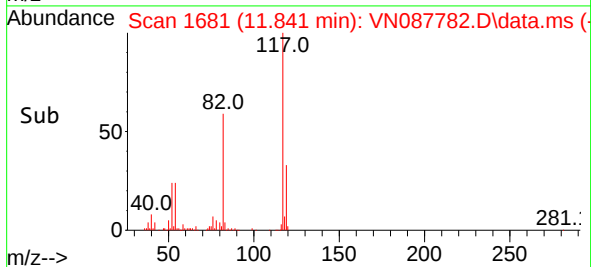
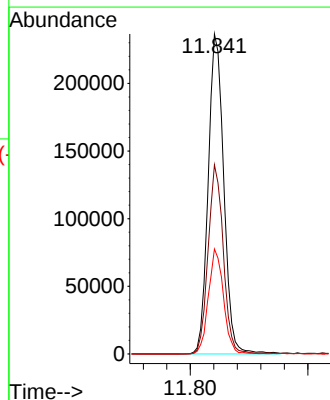
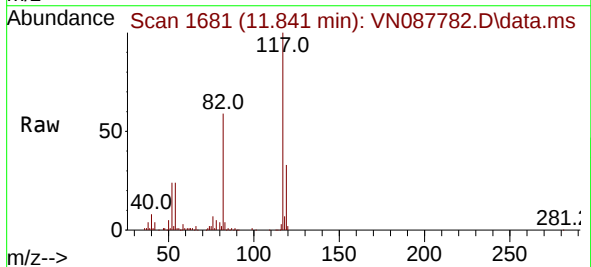
Instrument :
MSVOA_N
ClientSampleId :
MW4

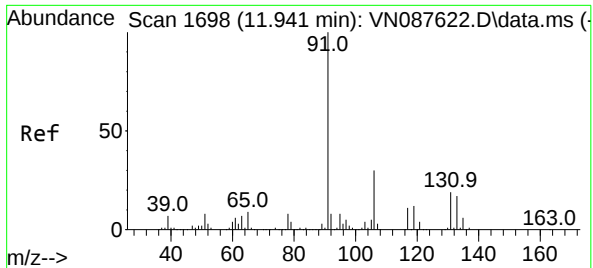
Tgt Ion: 95 Resp: 205625
Ion Ratio Lower Upper
95 100
174 73.3 0.0 138.4
176 69.8 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 117 Resp: 434796
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.2
119 32.8 24.3 36.5





#67

Ethyl Benzene

Concen: 0.818 ug/l

RT: 11.941 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087782.D

Acq: 10 Sep 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

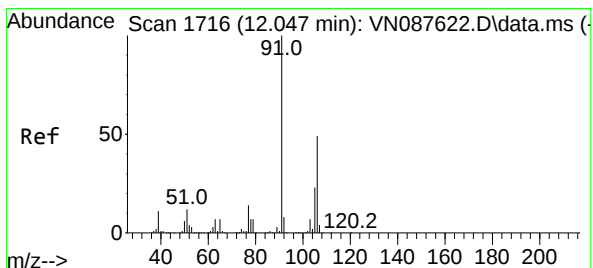
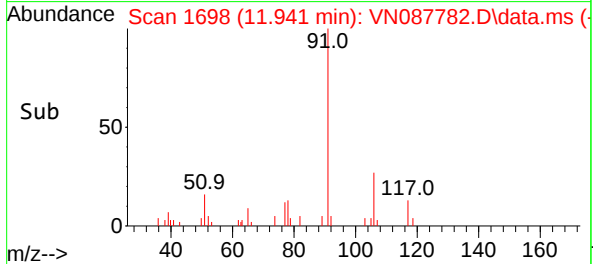
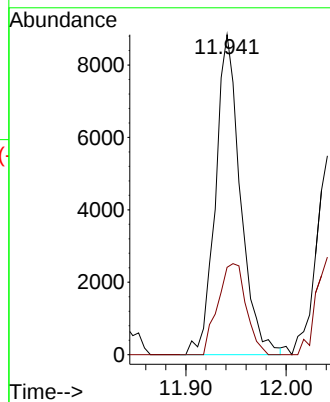
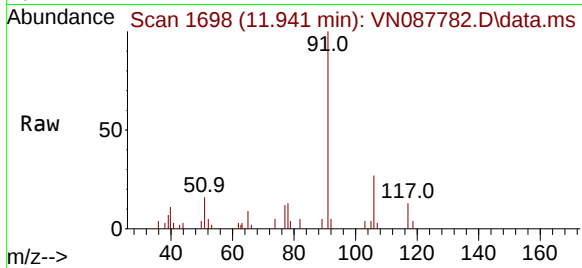
MW4

Tgt Ion: 91 Resp: 15321

Ion Ratio Lower Upper

91 100

106 27.3 24.1 36.1



#68

m/p-Xylenes

Concen: 0.985 ug/l

RT: 12.047 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VN087782.D

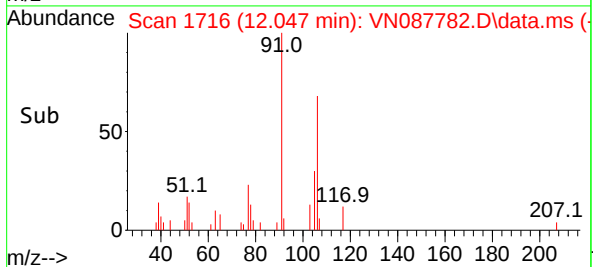
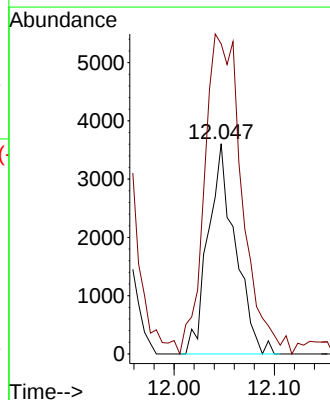
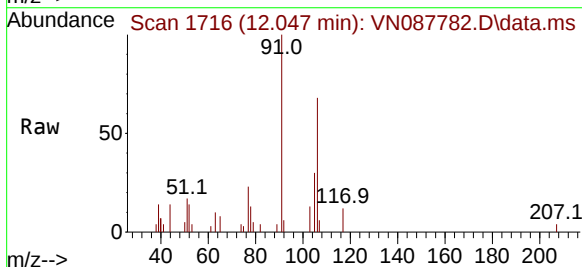
Acq: 10 Sep 2025 15:47

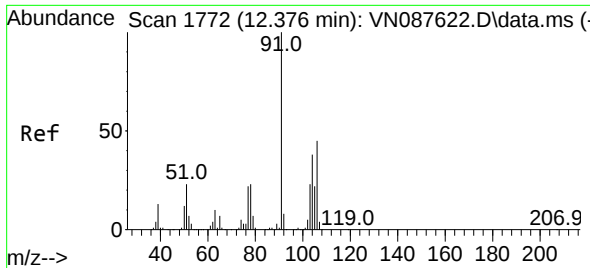
Tgt Ion: 106 Resp: 6766

Ion Ratio Lower Upper

106 100

91 210.8 169.3 253.9

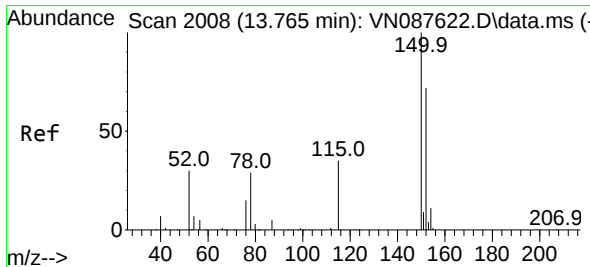
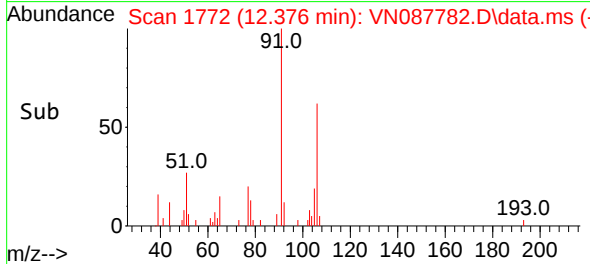
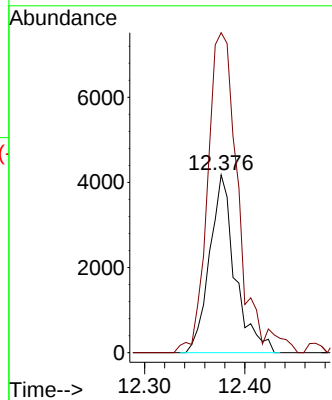
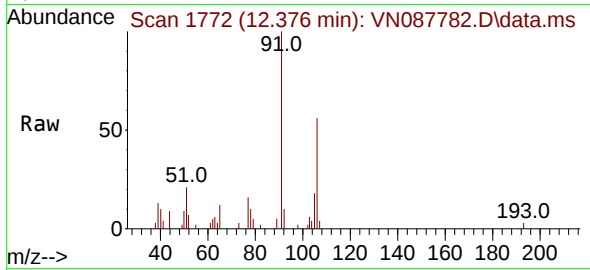




#69
o-Xylene
Concen: 1.094 ug/l
RT: 12.376 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

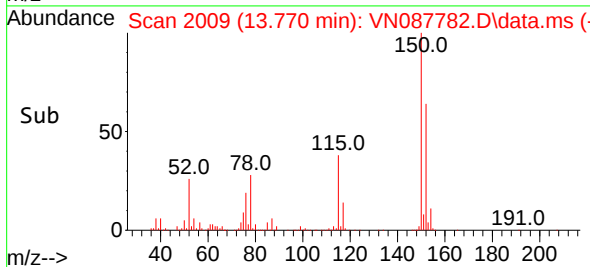
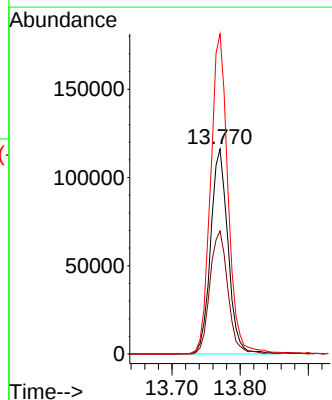
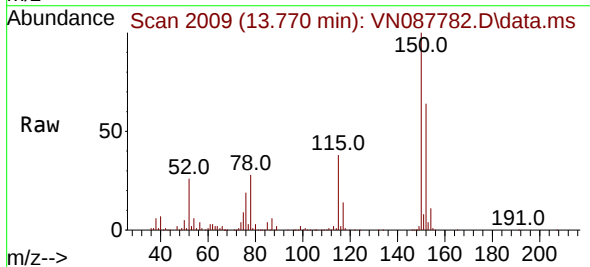
Instrument :
MSVOA_N
ClientSampleId :
MW4

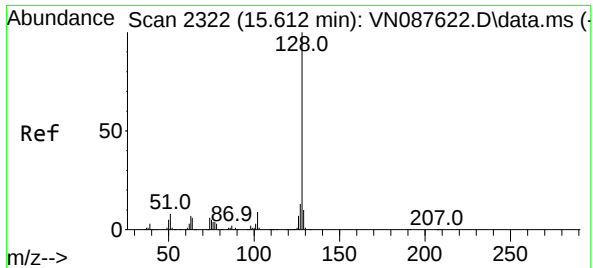
Tgt Ion:106 Resp: 7363
Ion Ratio Lower Upper
106 100
91 216.7 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion:152 Resp: 206220
Ion Ratio Lower Upper
152 100
115 61.9 32.3 96.8
150 157.2 0.0 351.0





#95

Naphthalene

Concen: 1.198 ug/l

RT: 15.611 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087782.D

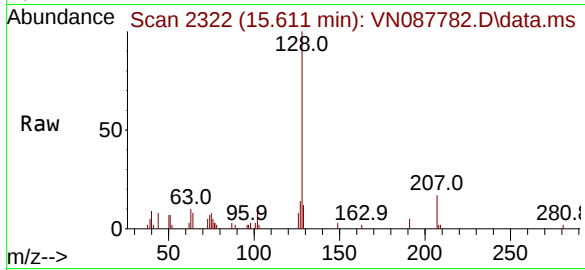
Acq: 10 Sep 2025 15:47

Instrument :

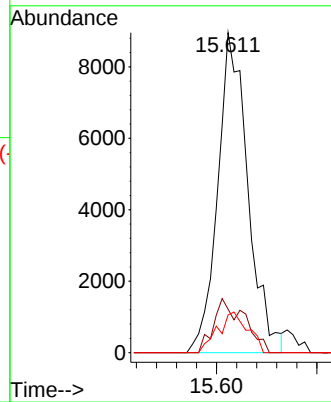
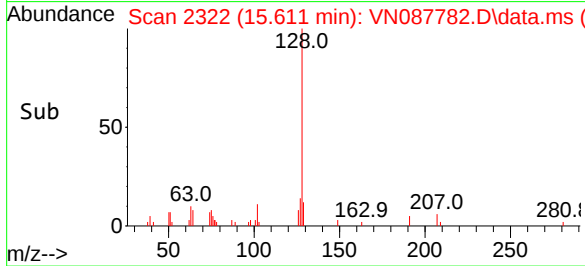
MSVOA_N

ClientSampleId :

MW4



Tgt Ion:	128	Resp:	18706
Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.6	15.8#
129	12.7	8.6	12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

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_N\methods\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087782.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.383	67	73	84	rVB	67977	117052	7.46%	1.315%
2	2.983	169	175	183	rBV2	25594	55171	3.51%	0.620%
3	4.424	410	420	429	rBV2	25812	76083	4.85%	0.854%
4	4.577	438	446	457	rVB2	11021	32540	2.07%	0.365%
5	7.953	1012	1020	1030	rVB2	21198	51995	3.31%	0.584%
6	8.147	1044	1053	1058	rBV2	227605	558173	35.56%	6.269%
7	8.206	1058	1063	1074	rVB2	299647	660529	42.08%	7.418%
8	8.559	1113	1123	1134	rBV	255118	610124	38.87%	6.852%
9	9.082	1203	1212	1223	rBV	549472	1118036	71.22%	12.557%
10	10.547	1450	1461	1468	rBV	861017	1569828	100.00%	17.631%
11	10.612	1468	1472	1478	rVB	24161	42762	2.72%	0.480%
12	11.841	1672	1681	1693	rBV	772412	1416933	90.26%	15.914%
13	11.941	1693	1698	1704	rVV2	23311	46928	2.99%	0.527%
14	12.047	1708	1716	1723	rVB4	19154	43171	2.75%	0.485%
15	12.376	1766	1772	1781	rBV4	24950	47870	3.05%	0.538%
16	12.829	1839	1849	1861	rBV	582221	1050009	66.89%	11.793%
17	13.770	2001	2009	2023	rBV	756859	1364026	86.89%	15.319%
18	15.611	2317	2322	2330	rBV2	19947	42677	2.72%	0.479%

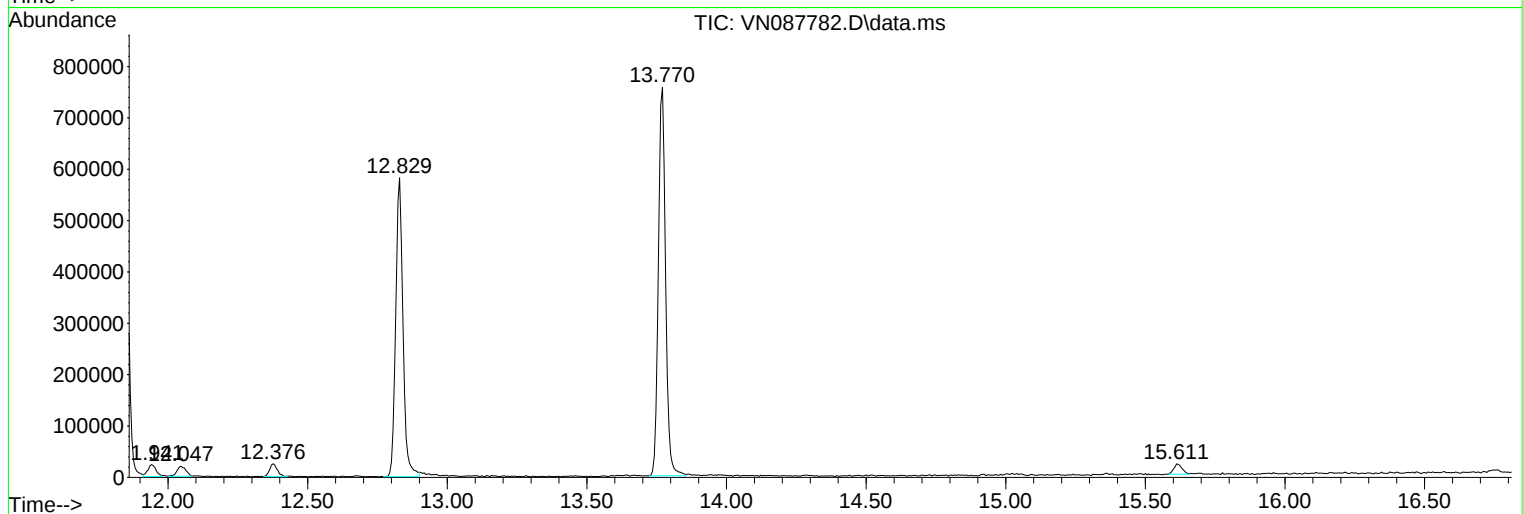
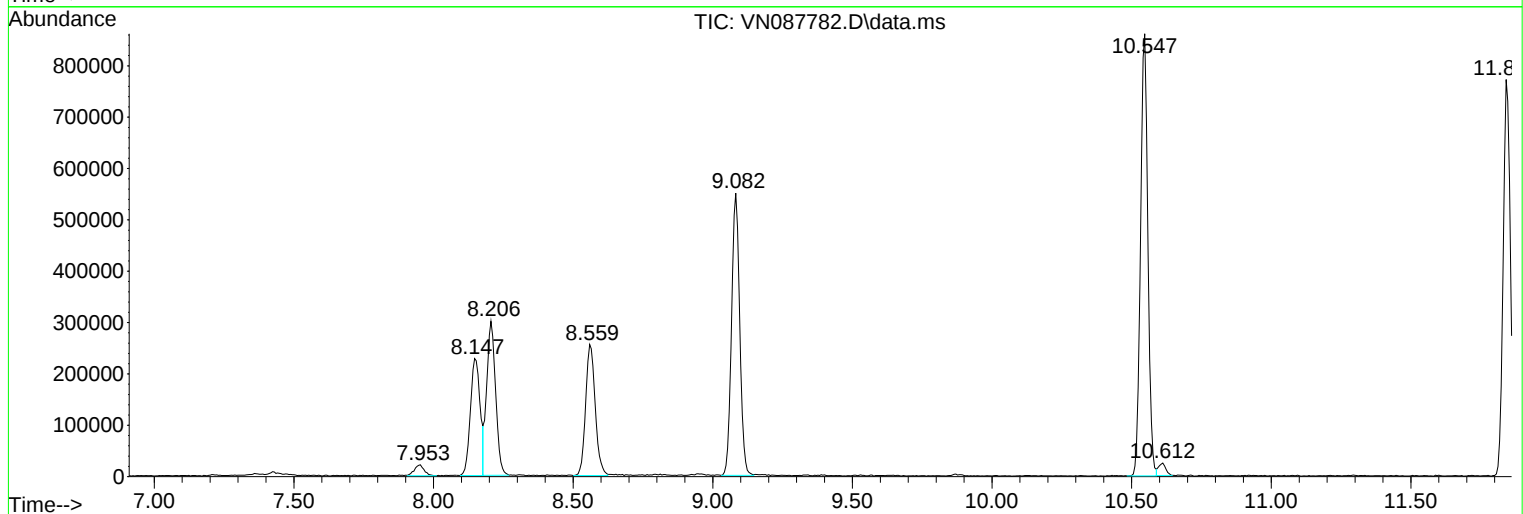
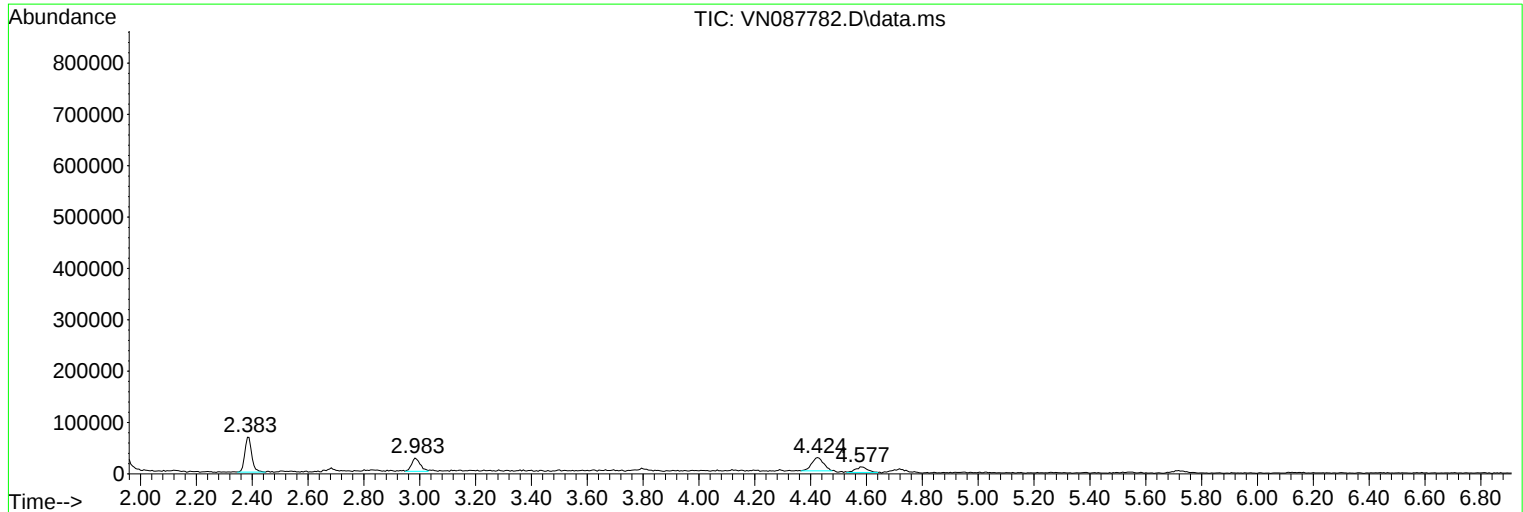
Sum of corrected areas: 8903907

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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--			
					#	RT	Resp	Conc

6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Quant Time: Sep 11 02:01:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	177881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	413161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	392580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	179388	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200486	55.009	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.020%
35) Dibromofluoromethane	8.153	113	155658	52.181	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.360%
50) Toluene-d8	10.547	98	534676	47.889	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.780%
62) 4-Bromofluorobenzene	12.823	95	175489	44.197	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.400%

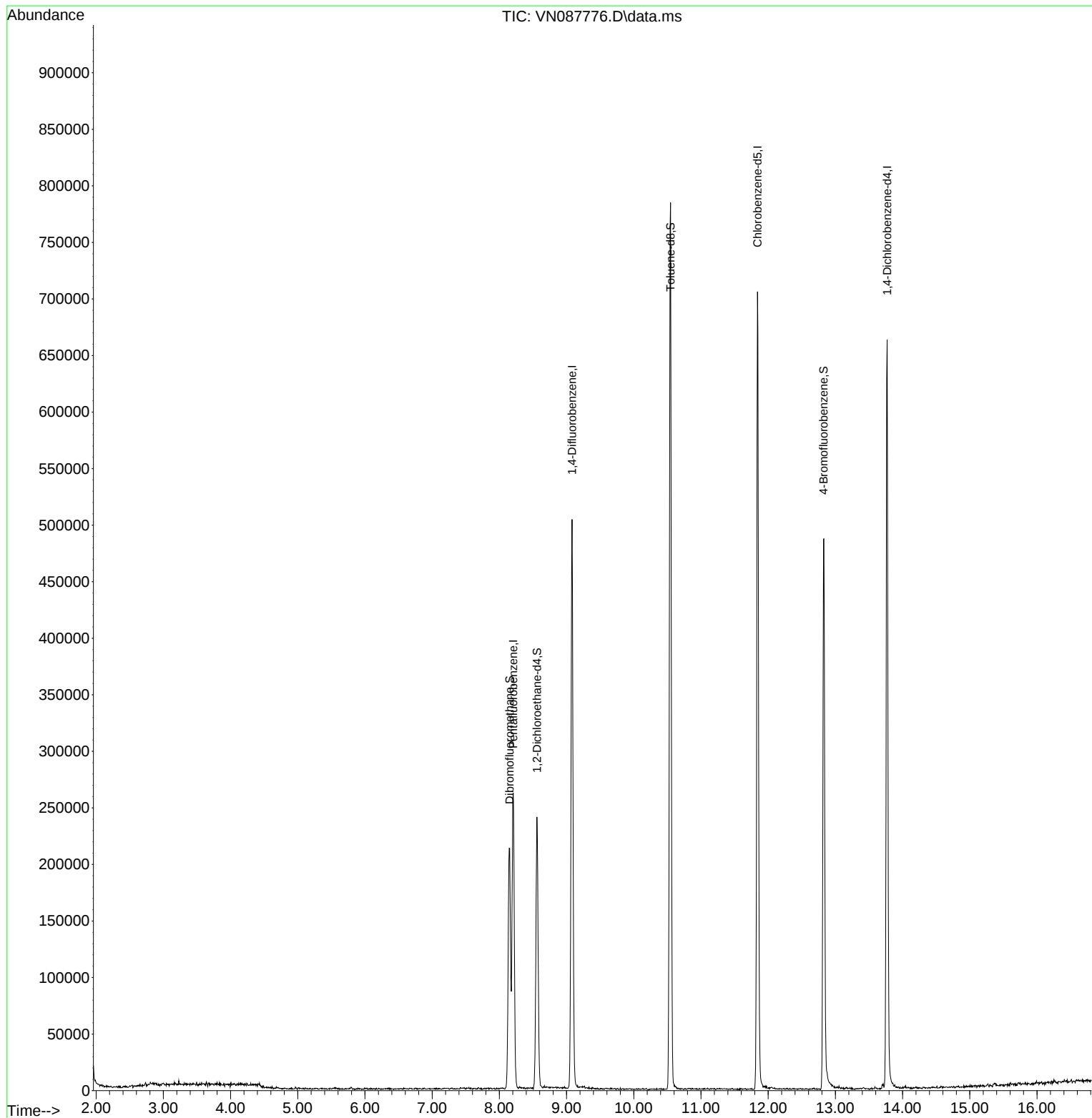
Target Compounds	Qvalue

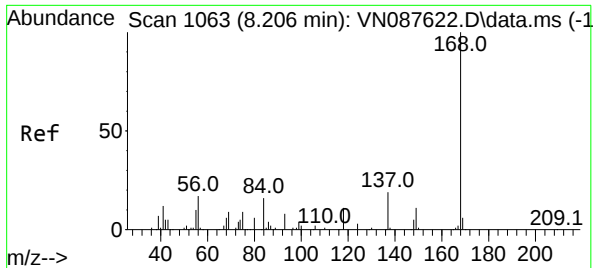
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Quant Time: Sep 11 02:01:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

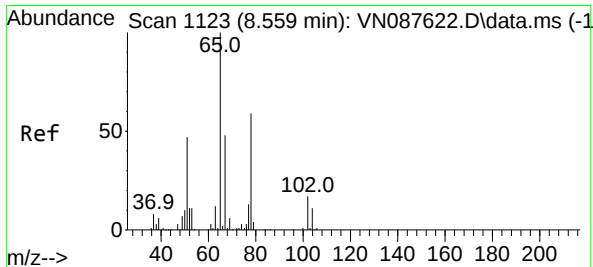
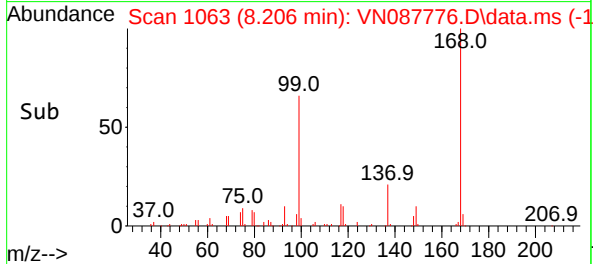
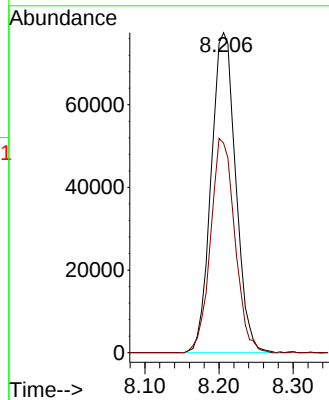
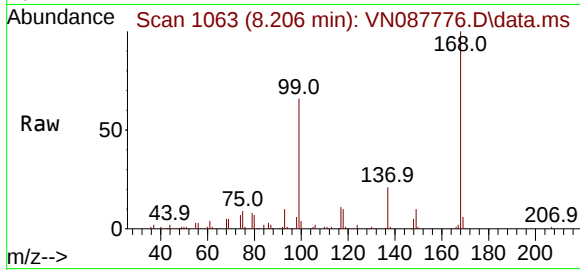




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

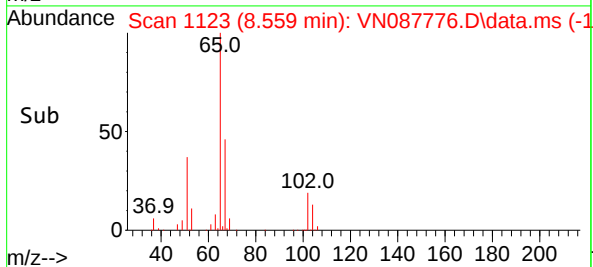
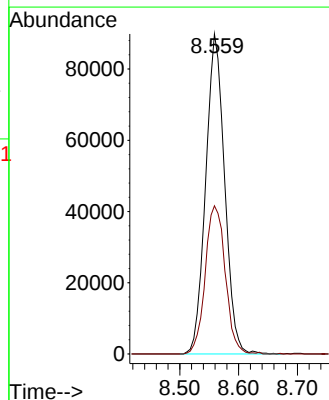
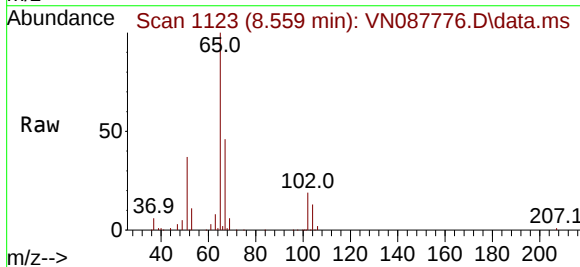
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

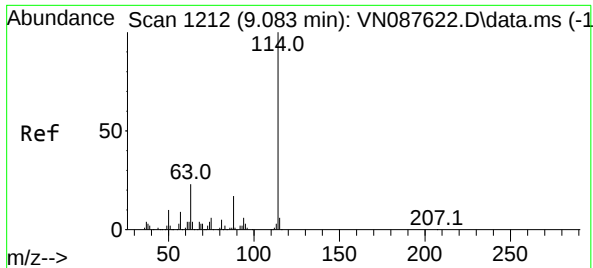
Tgt Ion:168 Resp: 177881
Ion Ratio Lower Upper
168 100
99 65.5 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 55.009 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

Tgt Ion: 65 Resp: 200486
Ion Ratio Lower Upper
65 100
67 49.1 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087776.D

Acq: 10 Sep 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBL01

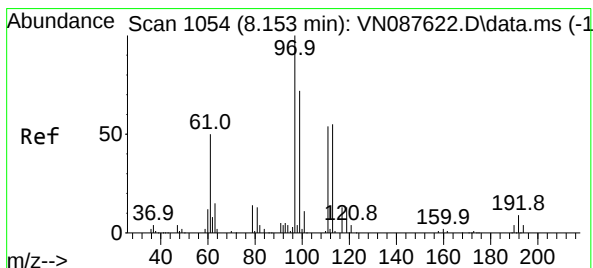
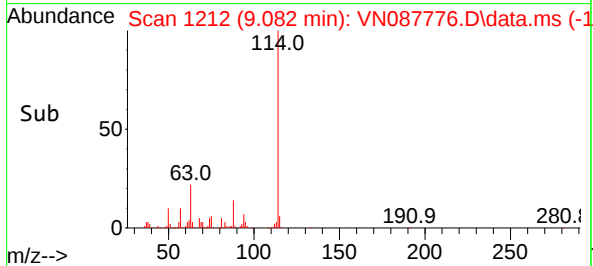
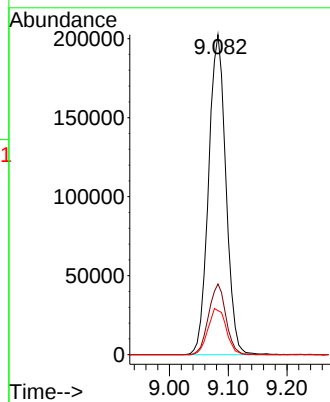
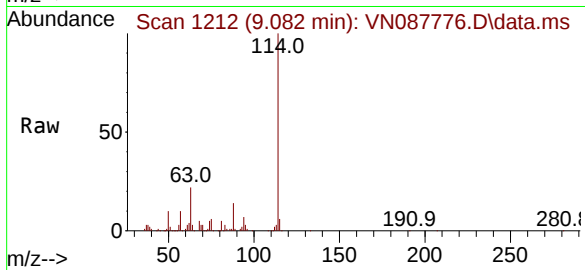
Tgt Ion:114 Resp: 413161

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

88 13.8 0.0 33.4



#35

Dibromofluoromethane

Concen: 52.181 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087776.D

Acq: 10 Sep 2025 12:46

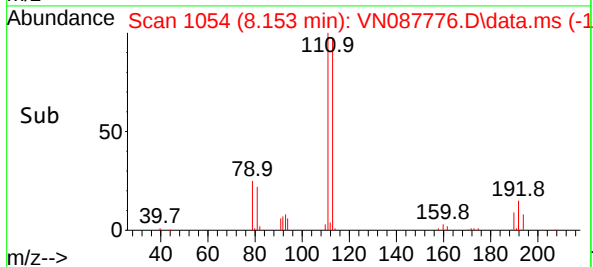
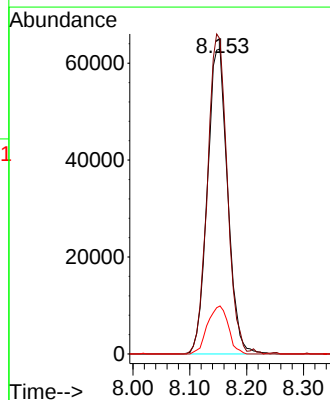
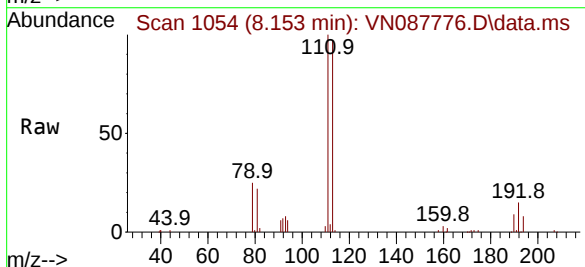
Tgt Ion:113 Resp: 155658

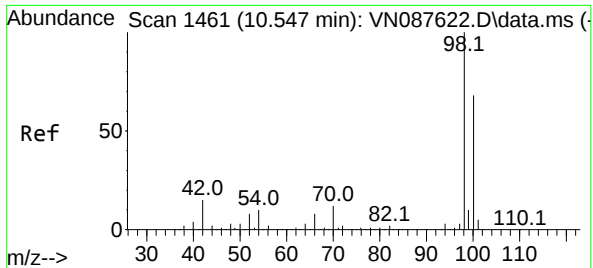
Ion Ratio Lower Upper

113 100

111 102.0 82.8 124.2

192 16.2 12.8 19.2

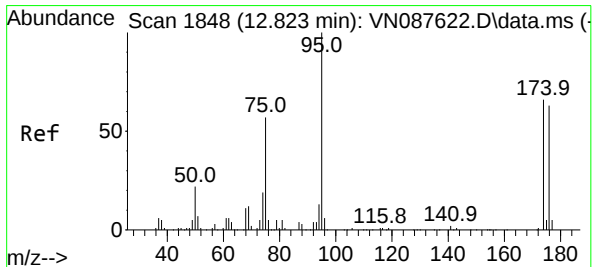
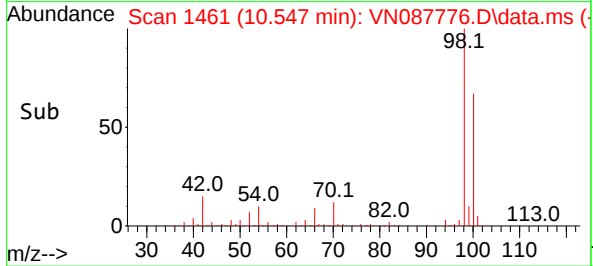
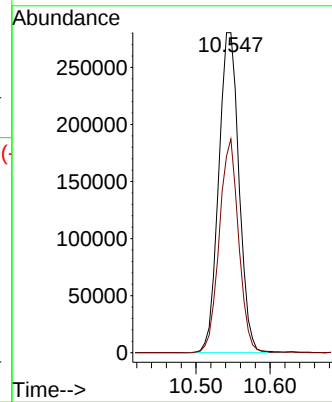
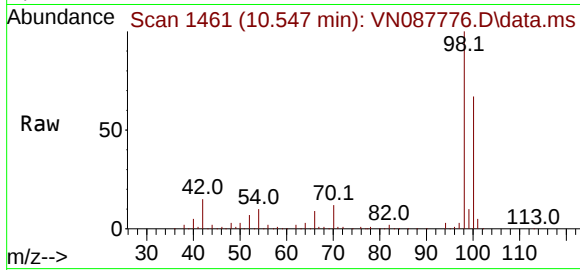




#50
Toluene-d8
Concen: 47.889 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

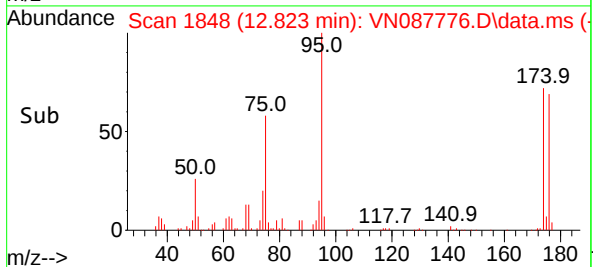
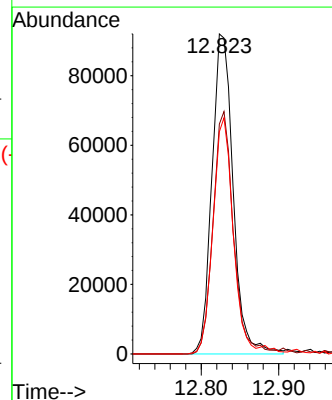
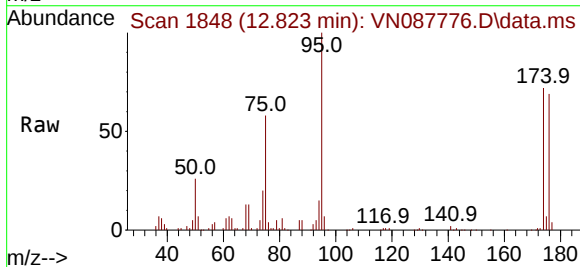
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

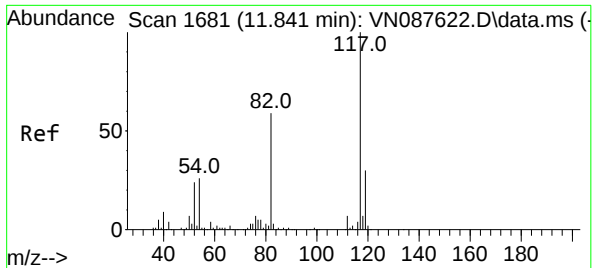
Tgt Ion: 98 Resp: 534676
Ion Ratio Lower Upper
98 100
100 63.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.197 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

Tgt Ion: 95 Resp: 175489
Ion Ratio Lower Upper
95 100
174 73.1 0.0 138.4
176 70.1 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087776.D

Acq: 10 Sep 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBL01

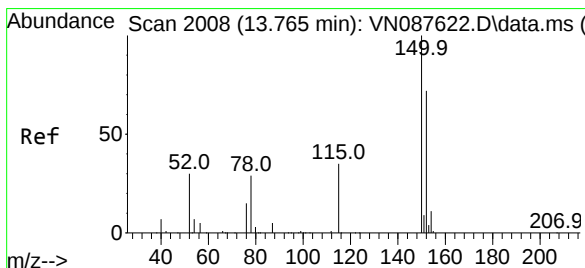
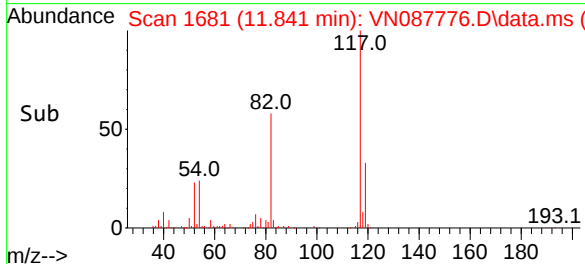
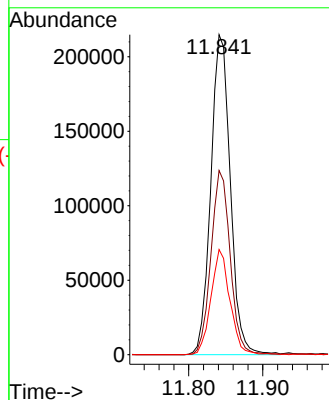
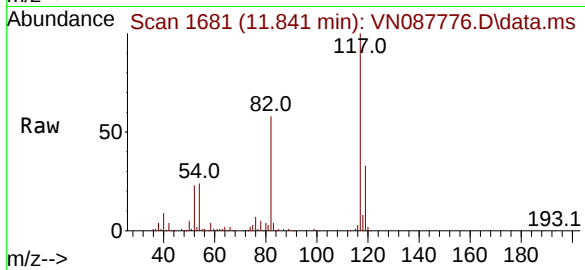
Tgt Ion:117 Resp: 392580

Ion Ratio Lower Upper

117 100

82 57.6 47.4 71.2

119 32.8 24.3 36.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN087776.D

Acq: 10 Sep 2025 12:46

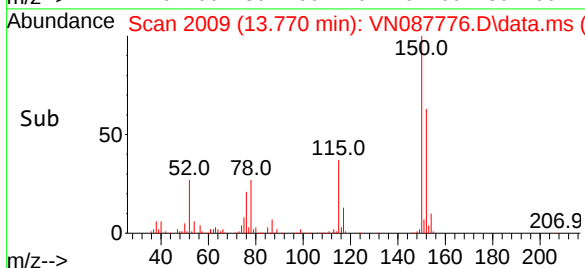
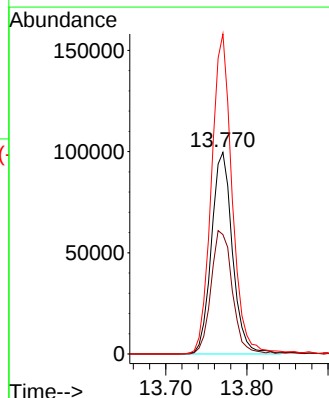
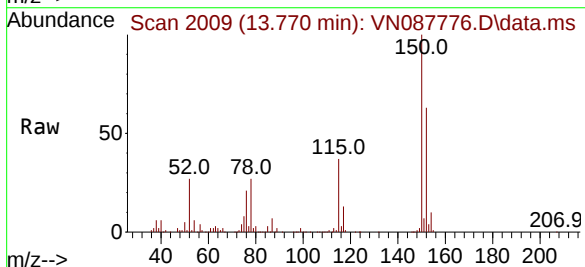
Tgt Ion:152 Resp: 179388

Ion Ratio Lower Upper

152 100

115 62.6 32.3 96.8

150 156.4 0.0 351.0



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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

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_N\methods\82N082125W.M

Title : SW846 8260

Signal : TIC: VN087776.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.147	1044	1053	1058	rBV2	211778	527773	35.76%	6.930%
2	8.206	1058	1063	1074	rVB	260328	594890	40.31%	7.811%
3	8.559	1114	1123	1138	rBV	240530	554261	37.56%	7.278%
4	9.082	1201	1212	1225	rBV	503228	1046443	70.91%	13.741%
5	10.547	1452	1461	1472	rBV	783829	1475718	100.00%	19.378%
6	11.841	1673	1681	1695	rBV	705296	1290176	87.43%	16.941%
7	12.829	1840	1849	1867	rBV	487126	937673	63.54%	12.313%
8	13.770	2001	2009	2022	rBV	661104	1188668	80.55%	15.608%

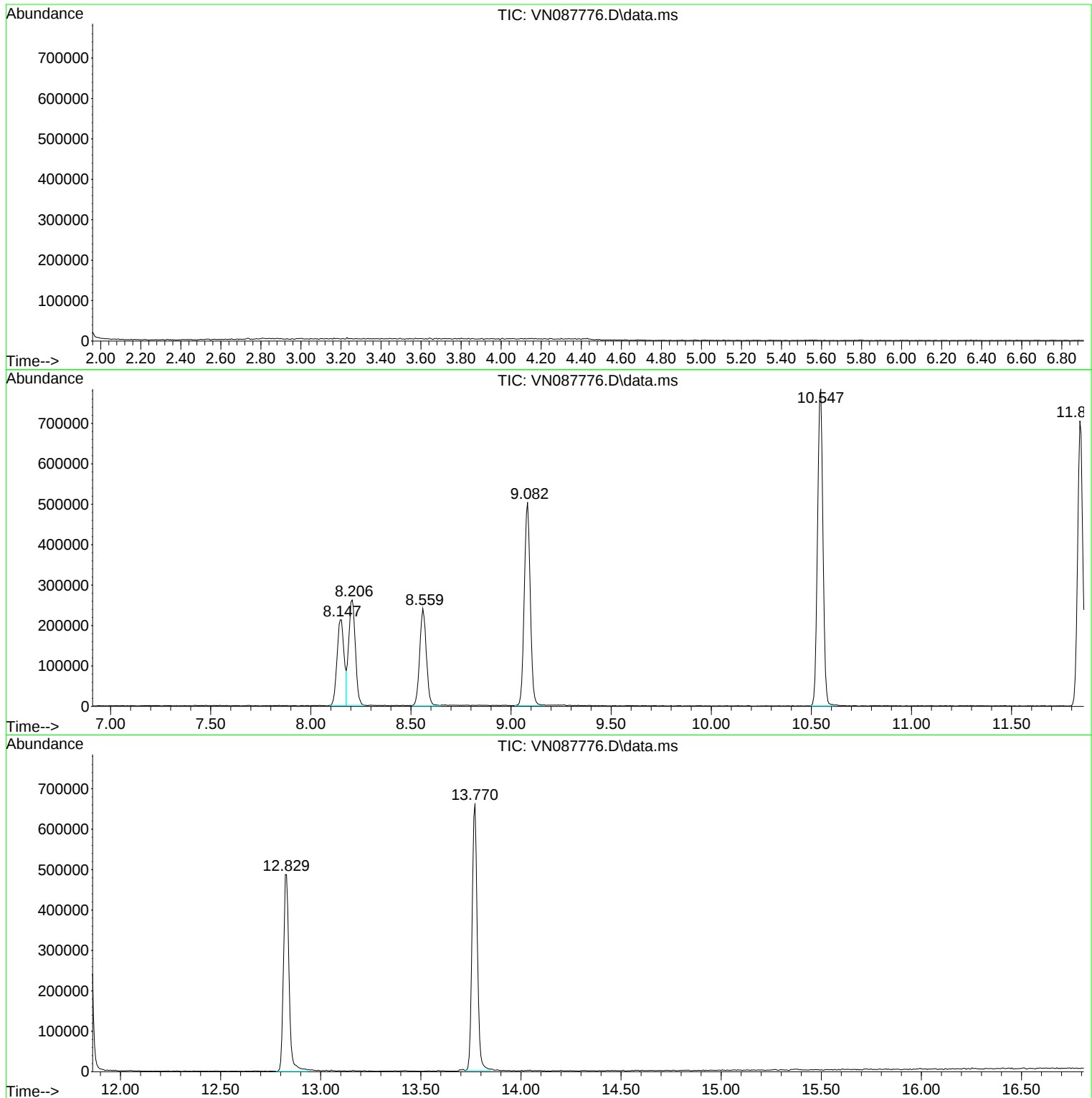
Sum of corrected areas: 7615602

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

6

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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--			
					#	RT	Resp	Conc

6

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087777.D
 Acq On : 10 Sep 2025 13:29
 Operator : JC\MD
 Sample : VN0910WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/11/2025
 Supervised By : Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 02:02:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	247948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	481179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	443678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	236791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	234962	46.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.500%		
35) Dibromofluoromethane	8.147	113	170515	49.082	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.160%		
50) Toluene-d8	10.547	98	598958	46.063	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.120%		
62) 4-Bromofluorobenzene	12.829	95	217795	47.098	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	66905	18.999	ug/l	99
3) Chloromethane	2.383	50	72113	19.926	ug/l	95
4) Vinyl Chloride	2.542	62	82564	19.676	ug/l	98
5) Bromomethane	2.983	94	45461	20.997	ug/l	91
6) Chloroethane	3.142	64	57277	19.421	ug/l	97
7) Trichlorofluoromethane	3.512	101	124353	20.227	ug/l	90
8) Diethyl Ether	3.965	74	54751	20.449	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	68198	19.605	ug/l	96
10) Methyl Iodide	4.583	142	42240	20.845	ug/l	98
11) Tert butyl alcohol	5.518	59	88895	100.795	ug/l	97
12) 1,1-Dichloroethene	4.342	96	69558	19.458	ug/l	88
13) Acrolein	4.177	56	83930	77.410	ug/l	94
14) Allyl chloride	5.006	41	115073	17.763	ug/l	97
15) Acrylonitrile	5.706	53	249028	100.121	ug/l	99
16) Acetone	4.424	43	268456	97.074	ug/l	98
17) Carbon Disulfide	4.700	76	172758	17.554	ug/l	100
18) Methyl Acetate	5.018	43	137712	23.783	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	263760	19.668	ug/l	97
20) Methylene Chloride	5.271	84	82792	19.952	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	73778	19.043	ug/l	98
22) Diisopropyl ether	6.653	45	282609	20.216	ug/l	97
23) Vinyl Acetate	6.589	43	1234043	97.027	ug/l	98
24) 1,1-Dichloroethane	6.553	63	155898	20.339	ug/l	98
25) 2-Butanone	7.465	43	354230	97.360	ug/l	100
26) 2,2-Dichloropropane	7.471	77	127484	19.379	ug/l	99
27) cis-1,2-Dichloroethene	7.465	96	91844	19.830	ug/l	99
28) Bromochloromethane	7.794	49	68600	18.513	ug/l	98
29) Tetrahydrofuran	7.824	42	228318	97.510	ug/l	100
30) Chloroform	7.947	83	162362	20.753	ug/l	99
31) Cyclohexane	8.236	56	114288	17.886	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	133678	20.162	ug/l	93
36) 1,1-Dichloropropene	8.359	75	98694	18.518	ug/l	99
37) Ethyl Acetate	7.547	43	144354	19.821	ug/l	99
38) Carbon Tetrachloride	8.341	117	107894	20.504	ug/l	100
39) Methylcyclohexane	9.582	83	102544	17.476	ug/l	97
40) Benzene	8.588	78	323696	19.802	ug/l	99

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087777.D
 Acq On : 10 Sep 2025 13:29
 Operator : JC\MD
 Sample : VN0910WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 02:02:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	77810	20.625	ug/l	96
42) 1,2-Dichloroethane	8.647	62	127177	20.245	ug/l	99
43) Isopropyl Acetate	8.671	43	231457	20.356	ug/l	100
44) Trichloroethene	9.335	130	74553	19.976	ug/l	87
45) 1,2-Dichloropropane	9.594	63	85809	19.914	ug/l	98
46) Dibromomethane	9.688	93	64080	20.898	ug/l	97
47) Bromodichloromethane	9.865	83	133142	21.187	ug/l	97
48) Methyl methacrylate	9.659	41	105144	19.550	ug/l	99
49) 1,4-Dioxane	9.677	88	31057	445.513	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	727298	106.015	ug/l	100
52) Toluene	10.606	92	203676	20.098	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	136007	20.909	ug/l	97
54) cis-1,3-Dichloropropene	10.288	75	136995	20.283	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	84642	21.590	ug/l	97
56) Ethyl methacrylate	10.853	69	123475	19.708	ug/l	96
57) 1,3-Dichloropropane	11.141	76	147355	21.238	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	302321	89.152	ug/l	98
59) 2-Hexanone	11.177	43	468254	107.999	ug/l	98
60) Dibromochloromethane	11.341	129	96636	21.274	ug/l	99
61) 1,2-Dibromoethane	11.447	107	86421	20.906	ug/l	100
64) Tetrachloroethene	11.082	164	59854	19.445	ug/l	96
65) Chlorobenzene	11.871	112	224483	20.337	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	80324	21.920	ug/l	98
67) Ethyl Benzene	11.941	91	384763	20.133	ug/l	95
68) m/p-Xylenes	12.047	106	282361	40.285	ug/l	98
69) o-Xylene	12.376	106	138993	20.235	ug/l	100
70) Styrene	12.388	104	243299	21.143	ug/l	98
71) Bromoform	12.559	173	65248	23.217	ug/l #	98
73) Isopropylbenzene	12.676	105	356780	18.646	ug/l	100
74) N-amyl acetate	12.518	43	128873m	17.773	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	132478	20.110	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	125262m	22.558	ug/l	
77) Bromobenzene	12.959	156	88727	19.667	ug/l	97
78) n-propylbenzene	13.012	91	456054	19.350	ug/l	100
79) 2-Chlorotoluene	13.100	91	272010	19.178	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	307840	18.965	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	40685	19.397	ug/l	88
82) 4-Chlorotoluene	13.200	91	280156	18.787	ug/l	98
83) tert-Butylbenzene	13.412	119	261058	19.300	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	313317	19.282	ug/l	98
85) sec-Butylbenzene	13.594	105	389426	19.401	ug/l	99
86) p-Isopropyltoluene	13.706	119	324109	19.554	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	178936	20.140	ug/l	96
88) 1,4-Dichlorobenzene	13.788	146	182845	19.776	ug/l	99
89) n-Butylbenzene	14.035	91	310752	18.877	ug/l	99
90) Hexachloroethane	14.306	117	66252	20.980	ug/l	94
91) 1,2-Dichlorobenzene	14.082	146	170771	20.261	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	30727	19.635	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	96639	19.093	ug/l	100
94) Hexachlorobutadiene	15.476	225	38772	21.487	ug/l	97
95) Naphthalene	15.612	128	337020	18.799	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	96427	19.488	ug/l	98

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087777.D
Acq On : 10 Sep 2025 13:29
Operator : JC\MD
Sample : VN0910WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 02:02:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

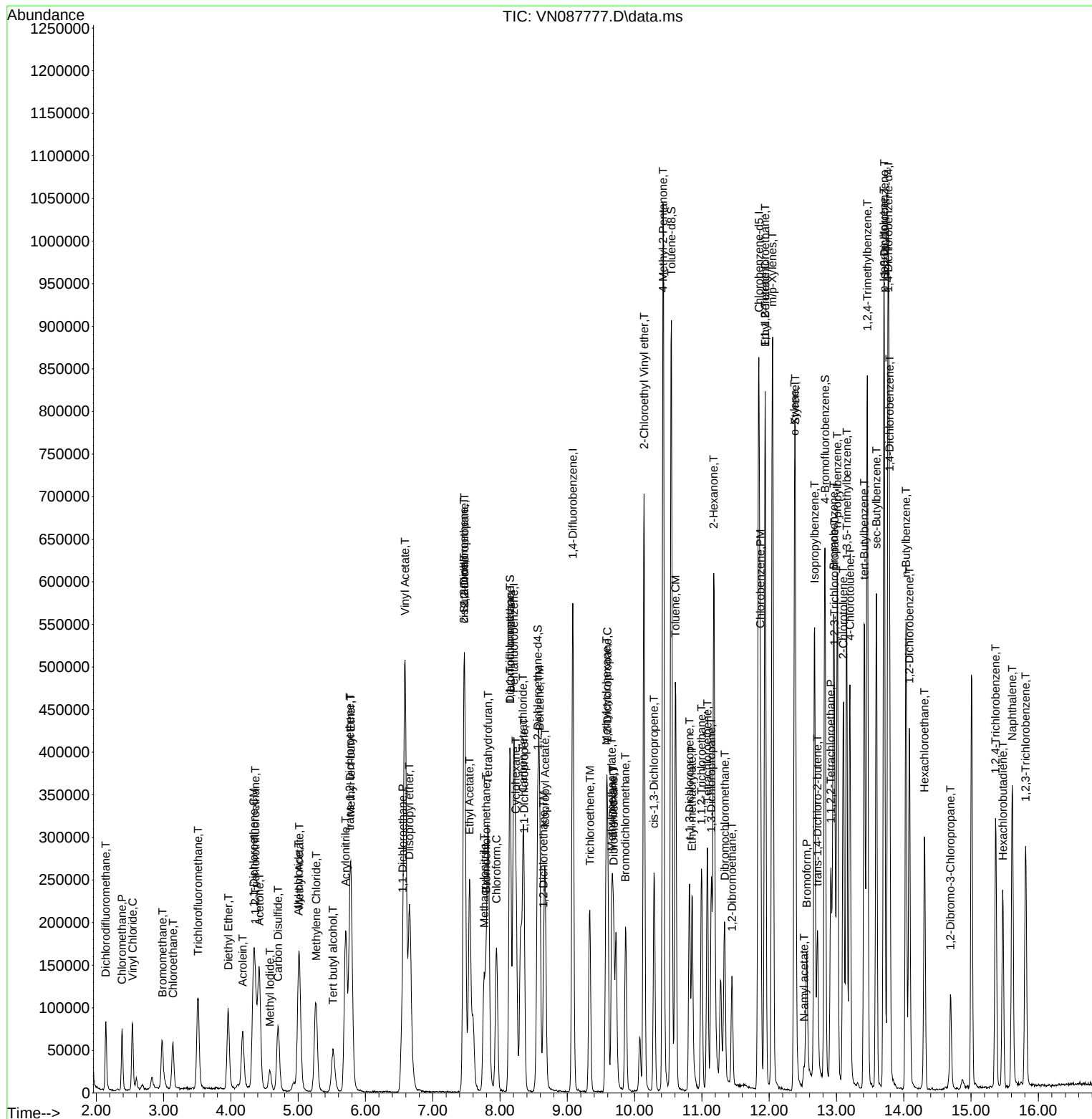
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087777.D
Acq On : 10 Sep 2025 13:29
Operator : JC\MD
Sample : VN0910WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 02:02:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087778.D
 Acq On : 10 Sep 2025 13:50
 Operator : JC\MD
 Sample : VN0910WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/11/2025
 Supervised By : Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 02:03:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	258583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	480224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	451507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	236702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	238905	45.093	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.180%		
35) Dibromofluoromethane	8.147	113	171837	49.561	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.120%		
50) Toluene-d8	10.547	98	623165	48.020	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.040%		
62) 4-Bromofluorobenzene	12.823	95	216720	46.959	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	71486	19.465	ug/l	97
3) Chloromethane	2.383	50	75689	20.054	ug/l	97
4) Vinyl Chloride	2.536	62	82893	18.942	ug/l	96
5) Bromomethane	2.983	94	48062	21.285	ug/l	99
6) Chloroethane	3.142	64	57557	18.713	ug/l	100
7) Trichlorofluoromethane	3.512	101	133185	20.773	ug/l	93
8) Diethyl Ether	3.965	74	55136	19.746	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	72141	19.885	ug/l	99
10) Methyl Iodide	4.577	142	50321	22.843	ug/l	93
11) Tert butyl alcohol	5.518	59	89083	96.854	ug/l	99
12) 1,1-Dichloroethene	4.336	96	71585	19.201	ug/l	87
13) Acrolein	4.177	56	87390	77.286	ug/l	97
14) Allyl chloride	5.012	41	116475	17.240	ug/l	97
15) Acrylonitrile	5.706	53	259106	99.888	ug/l	98
16) Acetone	4.418	43	269935	93.594	ug/l	98
17) Carbon Disulfide	4.700	76	174184	16.971	ug/l	98
18) Methyl Acetate	5.018	43	143215	23.716	ug/l	95
19) Methyl tert-butyl Ether	5.783	73	268923	19.228	ug/l	98
20) Methylene Chloride	5.265	84	82321	18.963	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	74353	18.402	ug/l	92
22) Diisopropyl ether	6.659	45	284767	19.532	ug/l	99
23) Vinyl Acetate	6.589	43	1263475	95.256	ug/l	98
24) 1,1-Dichloroethane	6.559	63	151717	18.980	ug/l	99
25) 2-Butanone	7.471	43	366930	96.703	ug/l	99
26) 2,2-Dichloropropane	7.471	77	131518	19.170	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	92241	19.096	ug/l	98
28) Bromochloromethane	7.794	49	68719	17.782	ug/l	100
29) Tetrahydrofuran	7.830	42	234760	96.138	ug/l	99
30) Chloroform	7.947	83	165649	20.302	ug/l	94
31) Cyclohexane	8.241	56	119732	17.967	ug/l	94
32) 1,1,1-Trichloroethane	8.153	97	136846	19.791	ug/l	97
36) 1,1-Dichloropropene	8.353	75	100769	18.945	ug/l	98
37) Ethyl Acetate	7.547	43	150409	20.693	ug/l	99
38) Carbon Tetrachloride	8.341	117	112680	21.456	ug/l	93
39) Methylcyclohexane	9.583	83	110999	18.954	ug/l	97
40) Benzene	8.588	78	332807	20.399	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087778.D
 Acq On : 10 Sep 2025 13:50
 Operator : JC\MD
 Sample : VN0910WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
 Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 02:03:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	82456	21.900	ug/l	95
42) 1,2-Dichloroethane	8.653	62	129154	20.601	ug/l	98
43) Isopropyl Acetate	8.677	43	235768	20.776	ug/l	99
44) Trichloroethene	9.330	130	76012	20.407	ug/l	98
45) 1,2-Dichloropropane	9.600	63	85499	19.882	ug/l	98
46) Dibromomethane	9.683	93	64916	21.213	ug/l	98
47) Bromodichloromethane	9.871	83	134925	21.513	ug/l	94
48) Methyl methacrylate	9.665	41	109874	20.470	ug/l	97
49) 1,4-Dioxane	9.671	88	28068	403.436	ug/l #	92
51) 4-Methyl-2-Pentanone	10.424	43	744444	108.730	ug/l	100
52) Toluene	10.606	92	206022	20.370	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	138171	21.284	ug/l	98
54) cis-1,3-Dichloropropene	10.288	75	141735	21.027	ug/l	98
55) 1,1,2-Trichloroethane	10.994	97	86280	22.052	ug/l	96
56) Ethyl methacrylate	10.859	69	130062	20.801	ug/l	97
57) 1,3-Dichloropropane	11.141	76	146172	21.110	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.141	63	308927	91.281	ug/l	99
59) 2-Hexanone	11.177	43	481127	111.189	ug/l	98
60) Dibromochloromethane	11.335	129	98766	21.786	ug/l	100
61) 1,2-Dibromoethane	11.447	107	89587	21.715	ug/l	97
64) Tetrachloroethene	11.082	164	61912	19.764	ug/l	94
65) Chlorobenzene	11.871	112	231898	20.645	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.935	131	82123	22.022	ug/l	97
67) Ethyl Benzene	11.941	91	393494	20.232	ug/l	100
68) m/p-Xylenes	12.047	106	299338	41.967	ug/l	95
69) o-Xylene	12.376	106	136754	19.564	ug/l	99
70) Styrene	12.388	104	245673	20.979	ug/l	98
71) Bromoform	12.553	173	64901	22.693	ug/l #	98
73) Isopropylbenzene	12.671	105	367905	19.235	ug/l	100
74) N-amyl acetate	12.541	43	124884m	17.229	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	140037	21.265	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	120754m	21.754	ug/l	
77) Bromobenzene	12.959	156	90349	20.034	ug/l	98
78) n-propylbenzene	13.012	91	460998	19.567	ug/l	99
79) 2-Chlorotoluene	13.100	91	274914	19.390	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	316481	19.505	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	40528	19.329	ug/l	90
82) 4-Chlorotoluene	13.200	91	292510	19.623	ug/l	98
83) tert-Butylbenzene	13.412	119	270855	20.032	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	317922	19.573	ug/l	99
85) sec-Butylbenzene	13.594	105	410735	20.470	ug/l	100
86) p-Isopropyltoluene	13.706	119	337508	20.370	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	175185	19.726	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	183301	19.833	ug/l	99
89) n-Butylbenzene	14.035	91	328447	19.960	ug/l	98
90) Hexachloroethane	14.312	117	69127	21.899	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	170592	20.247	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	31540	20.162	ug/l	97
93) 1,2,4-Trichlorobenzene	15.365	180	99886	19.742	ug/l	99
94) Hexachlorobutadiene	15.470	225	40181	22.276	ug/l	98
95) Naphthalene	15.612	128	344659	19.232	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	98128	19.839	ug/l	98

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087778.D
Acq On : 10 Sep 2025 13:50
Operator : JC\MD
Sample : VN0910WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 02:03:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

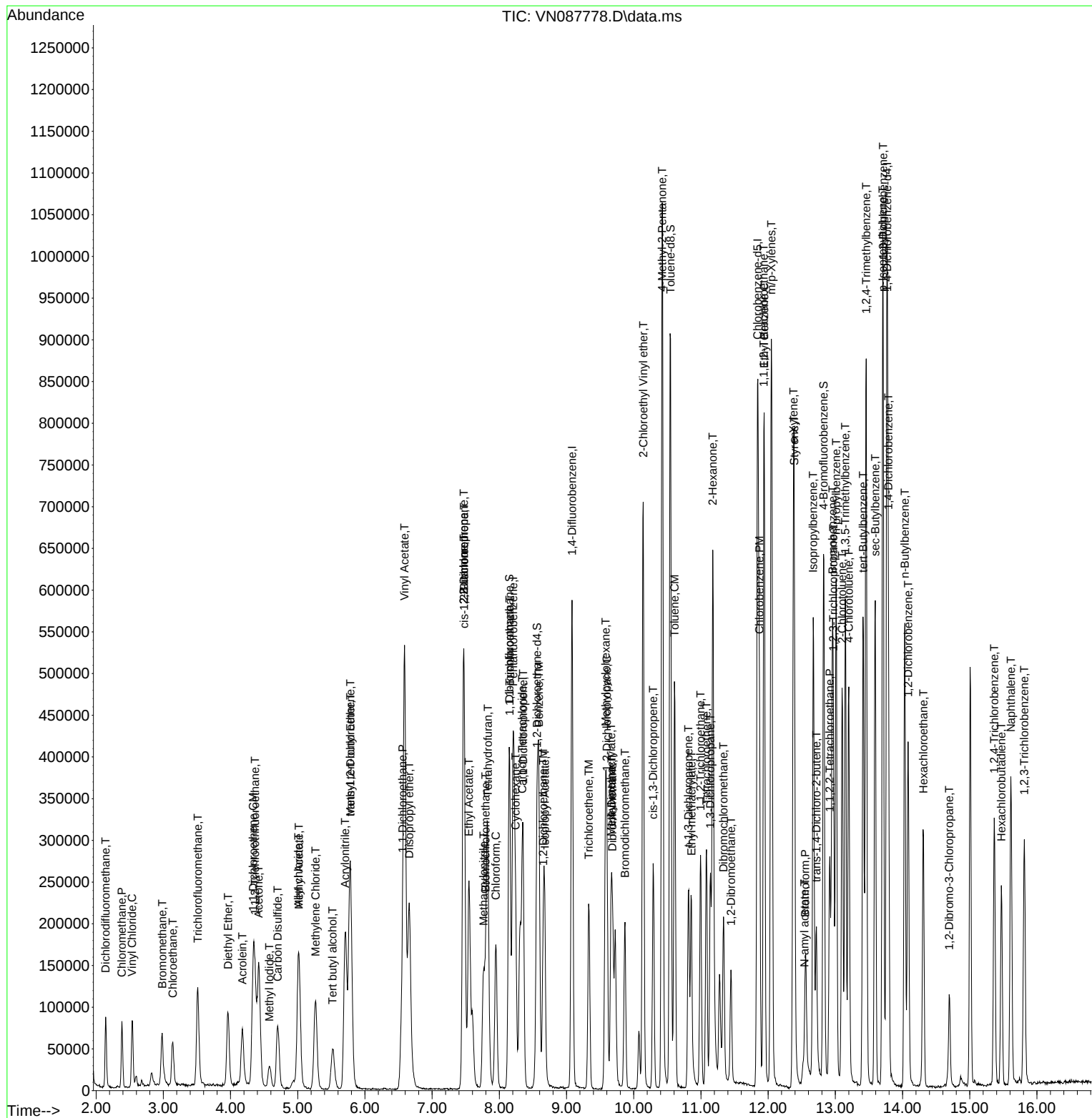
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087778.D
Acq On : 10 Sep 2025 13:50
Operator : JC\MD
Sample : VN0910WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Manual Integrations

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

Quant Time: Sep 11 02:03:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087619.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	1,4-Dichlorobenzene	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Diethyl Ether	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Ethyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Methyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	N-amyl acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	Ethyl Acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	N-amyl acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	N-amyl acetate	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	N-amyl acetate	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087623.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:28 AM	MMDadoda	8/25/2025 8:11:24 AM	Peak Integrated by Software
VSTDICC150	VN087624.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:33 AM	MMDadoda	8/25/2025 8:11:26 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	N-amyl acetate	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN091025	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087774.D	1,2,3-Trichloropropane	sam	9/11/2025 9:11:57 AM	MMDadoda	9/11/2025 5:36:45 PM	Peak Integrated by Software
VSTDCCC050	VN087774.D	N-amyl acetate	sam	9/11/2025 9:11:57 AM	MMDadoda	9/11/2025 5:36:45 PM	Peak Integrated by Software
VN0910WBS01	VN087777.D	1,2,3-Trichloropropane	sam	9/11/2025 9:12:02 AM	MMDadoda	9/11/2025 5:36:39 PM	Peak Integrated by Software
VN0910WBS01	VN087777.D	N-amyl acetate	sam	9/11/2025 9:12:02 AM	MMDadoda	9/11/2025 5:36:39 PM	Peak Integrated by Software
VN0910WBSD0 1	VN087778.D	1,2,3-Trichloropropane	sam	9/11/2025 9:12:06 AM	MMDadoda	9/11/2025 5:36:36 PM	Peak Integrated by Software
VN0910WBSD0 1	VN087778.D	N-amyl acetate	sam	9/11/2025 9:12:06 AM	MMDadoda	9/11/2025 5:36:36 PM	Peak Integrated by Software
VSTDCCC050	VN087790.D	1,2,3-Trichloropropane	sam	9/11/2025 9:12:33 AM	MMDadoda	9/11/2025 5:36:15 PM	Peak Integrated by Software
VSTDCCC050	VN087790.D	N-amyl acetate	sam	9/11/2025 9:12:33 AM	MMDadoda	9/11/2025 5:36:15 PM	Peak Integrated by Software

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM
SubDirectory	VN082125	HP Acquire Method	HP Processing Method 82N082125W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135214		
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP135221		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087614.D	21 Aug 2025 09:30	JC\MD	Ok
2	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	JC\MD	Not Ok
3	VN0821WBS01	VN087616.D	21 Aug 2025 10:37	JC\MD	Not Ok
4	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11	JC\MD	Not Ok
5	VN0821WBL01	VN087618.D	21 Aug 2025 11:36	JC\MD	Not Ok
6	VSTDICC001	VN087619.D	21 Aug 2025 12:09	JC\MD	Ok,M
7	VSTDICC005	VN087620.D	21 Aug 2025 13:08	JC\MD	Ok,M
8	VSTDICC020	VN087621.D	21 Aug 2025 13:41	JC\MD	Ok,M
9	VSTDICCC050	VN087622.D	21 Aug 2025 14:02	JC\MD	Ok,M
10	VSTDICC100	VN087623.D	21 Aug 2025 14:23	JC\MD	Ok,M
11	VSTDICC150	VN087624.D	21 Aug 2025 14:44	JC\MD	Ok,M
12	IBLK	VN087625.D	21 Aug 2025 15:05	JC\MD	Ok
13	VSTDICV050	VN087626.D	21 Aug 2025 15:47	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN091025

Review By	Mahesh Dadoda	Review On	9/11/2025 5:36:58 PM
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2025 5:39:28 PM
SubDirectory	VN091025	HP Acquire Method	MSVOA_N
		HP Processing Method	VN082125W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135412		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135413,VP135414 VP134956		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087773.D	10 Sep 2025 11:13	JC\MD	Ok
2	VSTDCCC050	VN087774.D	10 Sep 2025 11:47	JC\MD	Ok,M
3	VN0910MBL01	VN087775.D	10 Sep 2025 12:25	JC\MD	Ok
4	VN0910WBL01	VN087776.D	10 Sep 2025 12:46	JC\MD	Ok
5	VN0910WBS01	VN087777.D	10 Sep 2025 13:29	JC\MD	Ok,M
6	VN0910WBSD01	VN087778.D	10 Sep 2025 13:50	JC\MD	Ok,M
7	Q3045-06	VN087779.D	10 Sep 2025 14:24	JC\MD	Dilution
8	Q3045-06DL	VN087780.D	10 Sep 2025 15:06	JC\MD	Ok
9	VIBLK	VN087781.D	10 Sep 2025 15:26	JC\MD	Ok
10	Q3058-03	VN087782.D	10 Sep 2025 15:47	JC\MD	Ok
11	VIBLK	VN087783.D	10 Sep 2025 16:08	JC\MD	Ok
12	Q3045-05	VN087784.D	10 Sep 2025 16:29	JC\MD	Dilution
13	Q3045-05DL	VN087785.D	10 Sep 2025 16:50	JC\MD	Ok,M
14	Q3045-05DL	VN087786.D	10 Sep 2025 17:11	JC\MD	Not Ok
15	VIBLK	VN087787.D	10 Sep 2025 17:32	JC\MD	Ok
16	PB169608TB	VN087788.D	10 Sep 2025 17:53	JC\MD	Ok,M
17	PB169609TB	VN087789.D	10 Sep 2025 18:14	JC\MD	Ok,M
18	VSTDCCC050	VN087790.D	10 Sep 2025 18:35	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM
Supervise By	Maresh Dadoda	Supervise On	8/25/2025 8:11:38 AM
SubDirectory	VN082125	HP Acquire Method	HP Processing Method 82N082125W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135214		
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP135221		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087614.D	21 Aug 2025 09:30		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	Need ICAL	JC\MD	Not Ok
3	VN0821WBS01	VN0821WBS01	VN087616.D	21 Aug 2025 10:37		JC\MD	Not Ok
4	VN0821WBSD01	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11		JC\MD	Not Ok
5	VN0821WBL01	VN0821WBL01	VN087618.D	21 Aug 2025 11:36		JC\MD	Not Ok
6	VSTDICC001	VSTDICC001	VN087619.D	21 Aug 2025 12:09	LR-10,20	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN087620.D	21 Aug 2025 13:08		JC\MD	Ok,M
8	VSTDICC020	VSTDICC020	VN087621.D	21 Aug 2025 13:41	method not used for #N-amyle Acetate	JC\MD	Ok,M
9	VSTDICCC050	VSTDICCC050	VN087622.D	21 Aug 2025 14:02		JC\MD	Ok,M
10	VSTDICC100	VSTDICC100	VN087623.D	21 Aug 2025 14:23		JC\MD	Ok,M
11	VSTDICC150	VSTDICC150	VN087624.D	21 Aug 2025 14:44		JC\MD	Ok,M
12	IBLK	IBLK	VN087625.D	21 Aug 2025 15:05		JC\MD	Ok
13	VSTDICV050	ICVVN082125	VN087626.D	21 Aug 2025 15:47	Icv Failed for Com.# 64 for DOD	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN091025

Review By	Maresh Dadoda	Review On	9/11/2025 5:36:58 PM
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2025 5:39:28 PM
SubDirectory	VN091025	HP Acquire Method	MSVOA_N
		HP Processing Method	VN082125W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135412		
CCC	VP135413,VP135414		
Internal Standard/PEM	VP134956		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087773.D	10 Sep 2025 11:13		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087774.D	10 Sep 2025 11:47		JC\MD	Ok,M
3	VN0910MBL01	VN0910MBL01	VN087775.D	10 Sep 2025 12:25		JC\MD	Ok
4	VN0910WBL01	VN0910WBL01	VN087776.D	10 Sep 2025 12:46		JC\MD	Ok
5	VN0910WBS01	VN0910WBS01	VN087777.D	10 Sep 2025 13:29		JC\MD	Ok,M
6	VN0910WBSD01	VN0910WBSD01	VN087778.D	10 Sep 2025 13:50		JC\MD	Ok,M
7	Q3045-06	DNAPL	VN087779.D	10 Sep 2025 14:24	Need 200X,vial A pH# 9	JC\MD	Dilution
8	Q3045-06DL	DNAPL DL	VN087780.D	10 Sep 2025 15:06		JC\MD	Ok
9	VIBLK	VIBLK	VN087781.D	10 Sep 2025 15:26		JC\MD	Ok
10	Q3058-03	MW4	VN087782.D	10 Sep 2025 15:47	vial A pH<2	JC\MD	Ok
11	VIBLK	VIBLK	VN087783.D	10 Sep 2025 16:08		JC\MD	Ok
12	Q3045-05	DNAPL-OIL	VN087784.D	10 Sep 2025 16:29	Need 50X,vial A pH# 5	JC\MD	Dilution
13	Q3045-05DL	DNAPL-OIL DL	VN087785.D	10 Sep 2025 16:50		JC\MD	Ok,M
14	Q3045-05DL	DNAPL-OIL DL	VN087786.D	10 Sep 2025 17:11	Not required	JC\MD	Not Ok
15	VIBLK	VIBLK	VN087787.D	10 Sep 2025 17:32		JC\MD	Ok
16	PB169608TB	PB169608TB	VN087788.D	10 Sep 2025 17:53	vial A pH# 5	JC\MD	Ok,M
17	PB169609TB	PB169609TB	VN087789.D	10 Sep 2025 18:14	vial A pH# 5	JC\MD	Ok,M
18	VSTDCCC050	VSTDCCC050EC	VN087790.D	10 Sep 2025 18:35		JC\MD	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN091025

Review By	Mahesh Dadoda	Review On	9/11/2025 5:36:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2025 5:39:28 PM		
SubDirectory	VN091025	HP Acquire Method	MSVOA_N	HP Processing Method	VN082125W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135412			
CCC		VP135413,VP135414			
Internal Standard/PEM		VP134956			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3058	OrderDate:	9/9/2025 1:49:00 PM
Client:	G Environmental	Project:	Buffington
Contact:	Gary Landis	Location:	J42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3058-03	MW4	Water	VOCMS Group1	8260-Low	09/09/25		09/10/25	09/09/25



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3058
Client: G Environmental

Order ID: Q3058
Project ID: Buffington

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW4								
Q3058-03	MW4	Water	Iron	5320		11.7	50.0	ug/L
Q3058-03	MW4	Water	Manganese	303		2.97	10.0	ug/L
Q3058-03	MW4	Water	Sodium	56100		434	1000	ug/L



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	MW4	SDG No.:	Q3058
Lab Sample ID:	Q3058-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	5320	N*	1	11.7	50.0	ug/L	09/12/25 10:05	09/12/25 18:29	6010D	SW3010
7439-96-5	Manganese	303	*	1	2.97	10.0	ug/L	09/12/25 10:05	09/12/25 18:29	6010D	SW3010
7440-23-5	Sodium	56100	*	1	434	1000	ug/L	09/12/25 10:05	09/12/25 18:29	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	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:	<u>G Environmental</u>	SDG No.:	<u>Q3058</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>ACE</u>

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	09/12/2025	13:42	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	13:42	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	13:42	LB137179

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

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	09/12/2025	14:14	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	14:14	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	14:14	LB137179
CCB02	Iron	23.4	+/-50	U	100	P	09/12/2025	15:12	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	15:12	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	15:12	LB137179
CCB03	Iron	23.4	+/-50	U	100	P	09/12/2025	16:03	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	16:03	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	16:03	LB137179
CCB04	Iron	23.4	+/-50	U	100	P	09/12/2025	17:14	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	17:14	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	17:14	LB137179
CCB05	Iron	23.4	+/-50	U	100	P	09/12/2025	18:04	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	18:04	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	18:04	LB137179
CCB06	Iron	23.4	+/-50	U	100	P	09/12/2025	18:51	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	18:51	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	18:51	LB137179

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3058
Contract: GENV01 **Lab Code:** ACE

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	09/15/2025	11:43	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	11:43	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	11:43	LB137198

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3058
Contract: GENV01 **Lab Code:** ACE

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	09/15/2025	12:39	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	12:39	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	12:39	LB137198
CCB02	Iron	23.4	+/-50	U	100	P	09/15/2025	13:47	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	13:47	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	13:47	LB137198
CCB03	Iron	23.4	+/-50	U	100	P	09/15/2025	15:15	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	15:15	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	15:15	LB137198
CCB04	Iron	23.4	+/-50	U	100	P	09/15/2025	16:16	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	16:16	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	16:16	LB137198
CCB05	Iron	23.4	+/-50	U	100	P	09/15/2025	16:59	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	16:59	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	16:59	LB137198

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3058

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169680BL	WATER			Batch Number:	PB169680		Prep Date:	09/12/2025	
	Iron	11.7	<25	U	50.0	P	09/15/2025	12:58	LB137198
	Manganese	2.97	<5	U	10.0	P	09/15/2025	12:58	LB137198
	Sodium	434	<500	U	1000	P	09/15/2025	12:58	LB137198



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

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	3780	4000	95	90 - 110	P	09/12/2025	13:34	LB137179
	Manganese	1850	2000	92	90 - 110	P	09/12/2025	13:34	LB137179
	Sodium	18700	20000	94	90 - 110	P	09/12/2025	13:34	LB137179

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental
Contract: GENV01
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3058
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	101	100	101	80 - 120	P	09/12/2025	13:38	LB137179
	Manganese	19.4	20.0	97	80 - 120	P	09/12/2025	13:38	LB137179
	Sodium	1890	2000	95	80 - 120	P	09/12/2025	13:38	LB137179

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

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	4910	5000	98	90 - 110	P	09/12/2025	14:10	LB137179
	Manganese	2410	2500	96	90 - 110	P	09/12/2025	14:10	LB137179
	Sodium	24600	25000	98	90 - 110	P	09/12/2025	14:10	LB137179
CCV02	Iron	4880	5000	98	90 - 110	P	09/12/2025	15:08	LB137179
	Manganese	2330	2500	93	90 - 110	P	09/12/2025	15:08	LB137179
	Sodium	24500	25000	98	90 - 110	P	09/12/2025	15:08	LB137179
CCV03	Iron	4880	5000	98	90 - 110	P	09/12/2025	15:59	LB137179
	Manganese	2380	2500	95	90 - 110	P	09/12/2025	15:59	LB137179
	Sodium	24500	25000	98	90 - 110	P	09/12/2025	15:59	LB137179
CCV04	Iron	5020	5000	100	90 - 110	P	09/12/2025	16:51	LB137179
	Manganese	2410	2500	96	90 - 110	P	09/12/2025	16:51	LB137179
	Sodium	25800	25000	103	90 - 110	P	09/12/2025	16:51	LB137179
CCV05	Iron	4740	5000	95	90 - 110	P	09/12/2025	18:00	LB137179
	Manganese	2340	2500	94	90 - 110	P	09/12/2025	18:00	LB137179
	Sodium	23400	25000	94	90 - 110	P	09/12/2025	18:00	LB137179
CCV06	Iron	4710	5000	94	90 - 110	P	09/12/2025	18:47	LB137179
	Manganese	2380	2500	95	90 - 110	P	09/12/2025	18:47	LB137179
	Sodium	23300	25000	93	90 - 110	P	09/12/2025	18:47	LB137179

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

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	3930	4000	98	90 - 110	P	09/15/2025	11:31	LB137198
	Manganese	1910	2000	96	90 - 110	P	09/15/2025	11:31	LB137198
	Sodium	19200	20000	96	90 - 110	P	09/15/2025	11:31	LB137198

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental
Contract: GENV01
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3058
Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	104	100	104	80 - 120	P	09/15/2025	11:36	LB137198
	Manganese	20.6	20.0	103	80 - 120	P	09/15/2025	11:36	LB137198
	Sodium	1900	2000	95	80 - 120	P	09/15/2025	11:36	LB137198

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

Contract: GENV01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3058

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4930	5000	99	90 - 110	P	09/15/2025	12:35	LB137198
	Manganese	2480	2500	99	90 - 110	P	09/15/2025	12:35	LB137198
	Sodium	24200	25000	97	90 - 110	P	09/15/2025	12:35	LB137198
CCV02	Iron	4720	5000	94	90 - 110	P	09/15/2025	13:42	LB137198
	Manganese	2370	2500	95	90 - 110	P	09/15/2025	13:42	LB137198
	Sodium	23300	25000	93	90 - 110	P	09/15/2025	13:42	LB137198
CCV03	Iron	4770	5000	95	90 - 110	P	09/15/2025	15:11	LB137198
	Manganese	2340	2500	94	90 - 110	P	09/15/2025	15:11	LB137198
	Sodium	22600	25000	91	90 - 110	P	09/15/2025	15:11	LB137198
CCV04	Iron	4840	5000	97	90 - 110	P	09/15/2025	16:12	LB137198
	Manganese	2360	2500	94	90 - 110	P	09/15/2025	16:12	LB137198
	Sodium	23200	25000	93	90 - 110	P	09/15/2025	16:12	LB137198
CCV05	Iron	4740	5000	95	90 - 110	P	09/15/2025	16:55	LB137198
	Manganese	2360	2500	95	90 - 110	P	09/15/2025	16:55	LB137198
	Sodium	23000	25000	92	90 - 110	P	09/15/2025	16:55	LB137198



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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

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	92.9	100	93	65 - 135	P	09/12/2025	13:47	LB137179
	Manganese	19.5	20.0	98	65 - 135	P	09/12/2025	13:47	LB137179
	Sodium	1870	2000	94	65 - 135	P	09/12/2025	13:47	LB137179
CRI01	Iron	104	100	104	65 - 135	P	09/15/2025	11:47	LB137198
	Manganese	19.6	20.0	98	65 - 135	P	09/15/2025	11:47	LB137198
	Sodium	1840	2000	92	65 - 135	P	09/15/2025	11:47	LB137198

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>G Environmental</u>	SDG No.: <u>Q3058</u>
Contract: <u>GENV01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	98100	101000	97	85600	116500	09/12/2025	13:53	LB137179
	Manganese	-0.47	7.0	7	-13	27	09/12/2025	13:53	LB137179
	Sodium	125			0	0	09/12/2025	13:53	LB137179
ICSAB01	Iron	101000	99300	102	84400	114500	09/12/2025	13:58	LB137179
	Manganese	477	507	94	430	584	09/12/2025	13:58	LB137179
	Sodium	30.4			0	0	09/12/2025	13:58	LB137179
ICSA01	Iron	98700	101000	98	85600	116500	09/15/2025	12:12	LB137198
	Manganese	9.55	7.0	136	-13	27	09/15/2025	12:12	LB137198
	Sodium	109			0	0	09/15/2025	12:12	LB137198
ICSAB01	Iron	95600	99300	96	84400	114500	09/15/2025	12:16	LB137198
	Manganese	473	507	93	430	584	09/15/2025	12:16	LB137198
	Sodium	116			0	0	09/15/2025	12:16	LB137198



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q3058</u>
contract: <u>GENV01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3071-01</u>	client id: <u>4089MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3071-01MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	1590		1860		1500	-17	N	P
Manganese	ug/L	75 - 125	108		33.1		100	75		P
Sodium	ug/L	75 - 125	31500		21100		1500	690		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q3058</u>
contract: <u>GENV01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3071-01</u>	client id: <u>4089MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3071-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	1510		1860		1500	-23	N	P
Manganese	ug/L	75 - 125	109		33.1		100	76		P
Sodium	ug/L	75 - 125	29800		21100		1500	580		P

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q3058</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Level:	<u>LOW</u>
Sample ID:	<u>Q3071-01</u>	Client ID:	<u>4089A</u>
	Spiked ID:	<u>Q3071-01A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	3540		1860		1500	112		P

A

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J

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3058</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3071-01</u>	Client ID:	<u>4089DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3071-01DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1860		2320		22	*	P
Manganese	ug/L	20	33.1		44.4		29	*	P
Sodium	ug/L	20	21100		26900		24	*	P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3058</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3071-01MS</u>	Client ID:	<u>4089MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3071-01MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1590		1510		5		P
Manganese	ug/L	20	108		109		1		P
Sodium	ug/L	20	31500		29800		6		P

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q3058</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169680BS							
Iron	ug/L	1500	1480		99	80 - 120	P
Manganese	ug/L	100	100		100	80 - 120	P
Sodium	ug/L	1500	1490		99	80 - 120	P

Metals

-9 -

ICP SERIAL DILUTIONS

SAMPLE NO.

4089L

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE **Lb No.:** lb137179

Lab Sample ID : Q3071-01L **SDG No.:** Q3058

Matrix (soil/water): Water

Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Iron	1860	2170	17		P
Manganese	33.1	38.5 J	16		P
Sodium	21100	24900	18		P

metals
- 14 -
ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: ACE

Sdg no.: Q3058

Instrument id number: _____

Method: _____

Run number: LB137179

Start date: 09/12/2025

End date: 09/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1309	Fe,Mn,Na
S1	S1	1	1313	Fe,Mn,Na
S2	S2	1	1318	Fe,Mn,Na
S3	S3	1	1322	Fe,Mn,Na
S4	S4	1	1326	Fe,Mn,Na
S5	S5	1	1330	Fe,Mn,Na
ICV01	ICV01	1	1334	Fe,Mn,Na
LLICV01	LLICV01	1	1338	Fe,Mn,Na
ICB01	ICB01	1	1342	Fe,Mn,Na
CRI01	CRI01	1	1347	Fe,Mn,Na
ICSA01	ICSA01	1	1353	Fe,Mn,Na
ICSAB01	ICSAB01	1	1358	Fe,Mn,Na
CCV01	CCV01	1	1410	Fe,Mn,Na
CCB01	CCB01	1	1414	Fe,Mn,Na
CCV02	CCV02	1	1508	Fe,Mn,Na
CCB02	CCB02	1	1512	Fe,Mn,Na
CCV03	CCV03	1	1559	Fe,Mn,Na
CCB03	CCB03	1	1603	Fe,Mn,Na
CCV04	CCV04	1	1651	Fe,Mn,Na
CCB04	CCB04	1	1714	Fe,Mn,Na
CCV05	CCV05	1	1800	Fe,Mn,Na
CCB05	CCB05	1	1804	Fe,Mn,Na
Q3071-01DUP	4089DUP	1	1809	Fe,Mn,Na
Q3071-01L	4089L	5	1813	Fe,Mn,Na
Q3071-01MS	4089MS	1	1817	Fe,Mn,Na
Q3071-01MSD	4089MSD	1	1821	Fe,Mn,Na
Q3071-01A	4089A	1	1825	Fe
Q3058-03	MW4	1	1829	Fe,Mn,Na
CCV06	CCV06	1	1847	Fe,Mn,Na
CCB06	CCB06	1	1851	Fe,Mn,Na

metals
- 14 -
ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: ACE

Sdg no.: Q3058

Instrument id number: _____

Method: _____

Run number: LB137198

Start date: 09/15/2025

End date: 09/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1106	Fe,Mn,Na
S1	S1	1	1110	Fe,Mn,Na
S2	S2	1	1114	Fe,Mn,Na
S3	S3	1	1118	Fe,Mn,Na
S4	S4	1	1122	Fe,Mn,Na
S5	S5	1	1126	Fe,Mn,Na
ICV01	ICV01	1	1131	Fe,Mn,Na
LLICV01	LLICV01	1	1136	Fe,Mn,Na
ICB01	ICB01	1	1143	Fe,Mn,Na
CRI01	CRI01	1	1147	Fe,Mn,Na
ICSA01	ICSA01	1	1212	Fe,Mn,Na
ICSAB01	ICSAB01	1	1216	Fe,Mn,Na
CCV01	CCV01	1	1235	Fe,Mn,Na
CCB01	CCB01	1	1239	Fe,Mn,Na
PB169680BL	PB169680BL	1	1258	Fe,Mn,Na
PB169680BS	PB169680BS	1	1302	Fe,Mn,Na
CCV02	CCV02	1	1342	Fe,Mn,Na
CCB02	CCB02	1	1347	Fe,Mn,Na
CCV03	CCV03	1	1511	Fe,Mn,Na
CCB03	CCB03	1	1515	Fe,Mn,Na
CCV04	CCV04	1	1612	Fe,Mn,Na
CCB04	CCB04	1	1616	Fe,Mn,Na
CCV05	CCV05	1	1655	Fe,Mn,Na
CCB05	CCB05	1	1659	Fe,Mn,Na



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
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

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

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	-0.0017000	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

Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement 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

LAB CHRONICLE

OrderID:	Q3058	OrderDate:	9/9/2025 1:49:00 PM
Client:	G Environmental	Project:	Buffington
Contact:	Gary Landis	Location:	J42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3058-03	MW4	Water	Metals Group4	6010D	09/09/25	09/12/25	09/12/25	09/09/25

METAL PREPARATION & ANALYICAL SUMMARY

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client: G Environmental

SDG No.: Q3058

Contract: GENV01

Lab Code: ACE

Method:

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169680							
PB169680BL	PB169680BL	MB	WATER	09/12/2025	50.0	25.0	
PB169680BS	PB169680BS	LCS	WATER	09/12/2025	50.0	25.0	
Q3058-03	MW4	SAM	WATER	09/12/2025	50.0	25.0	
Q3071-01DUP	4089DUP	DUP	WATER	09/12/2025	50.0	25.0	
Q3071-01MS	4089MS	MS	WATER	09/12/2025	50.0	25.0	
Q3071-01MSD	4089MSD	MSD	WATER	09/12/2025	50.0	25.0	

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137179

Review By	Janvi	Review On	9/15/2025 10:21:14 AM
Supervise By	jaswal	Supervise On	9/16/2025 11:52:32 AM
STD. NAME	STD REF.#		
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
ICV Standard	MP87047,MP87038		
CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	09/12/25 13:09		Jaswal	OK
2	S1	S1	CAL2	09/12/25 13:13		Jaswal	OK
3	S2	S2	CAL3	09/12/25 13:18		Jaswal	OK
4	S3	S3	CAL4	09/12/25 13:22		Jaswal	OK
5	S4	S4	CAL5	09/12/25 13:26		Jaswal	OK
6	S5	S5	CAL6	09/12/25 13:30		Jaswal	OK
7	ICV01	ICV01	ICV	09/12/25 13:34		Jaswal	OK
8	LLICV01	LLICV01	LLICV	09/12/25 13:38		Jaswal	OK
9	ICB01	ICB01	ICB	09/12/25 13:42		Jaswal	OK
10	CRI01	CRI01	CRDL	09/12/25 13:47		Jaswal	OK
11	ICSA01	ICSA01	ICSA	09/12/25 13:53		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	09/12/25 13:58		Jaswal	OK
13	ICSADL	ICSADL	ICSA	09/12/25 14:02		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	09/12/25 14:06		Jaswal	OK
15	CCV01	CCV01	CCV	09/12/25 14:10		Jaswal	OK
16	CCB01	CCB01	CCB	09/12/25 14:14		Jaswal	OK
17	LR-1	LR-1	HIGH STD	09/12/25 14:19		Jaswal	OK
18	LR-2	LR-2	HIGH STD	09/12/25 14:23		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137179

Review By	Janvi	Review On	9/15/2025 10:21:14 AM
Supervise By	jaswal	Supervise On	9/16/2025 11:52:32 AM
STD. NAME	STD REF.#		
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
ICV Standard	MP87047,MP87038		
CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

19	PB169652BS	PB169652BS	LCS	09/12/25 14:47		Jaswal	OK
20	Q3065-01	VNJ-204	SAM	09/12/25 14:51		Jaswal	OK
21	Q3066-01	354	SAM	09/12/25 14:55		Jaswal	OK
22	Q3066-03	VNJ-242	SAM	09/12/25 14:59		Jaswal	OK
23	PB169652BL	PB169652BL	MB	09/12/25 15:03		Jaswal	OK
24	CCV02	CCV02	CCV	09/12/25 15:08		Jaswal	OK
25	CCB02	CCB02	CCB	09/12/25 15:12		Jaswal	OK
26	Q3072-01DUP	30-GARFIELD-PL-CO	DUP	09/12/25 15:17		Jaswal	OK
27	Q3072-01L	30-GARFIELD-PL-CO	SD	09/12/25 15:21		Jaswal	OK
28	Q3072-01MS	30-GARFIELD-PL-CO	MS	09/12/25 15:25		Jaswal	OK
29	Q3072-01MSD	30-GARFIELD-PL-CO	MSD	09/12/25 15:29		Jaswal	OK
30	Q3072-01A	30-GARFIELD-PL-CO	PS	09/12/25 15:33	0.1ml M6008,M6017-10ML SAMPLE	Jaswal	OK
31	PB169660BL	PB169660BL	MB	09/12/25 15:38		Jaswal	OK
32	PB169660BS	PB169660BS	LCS	09/12/25 15:42		Jaswal	OK
33	Q3072-01	30-GARFIELD-PL-CO	SAM	09/12/25 15:46		Jaswal	OK
34	Q3054-08	MH-384	SAM	09/12/25 15:50		Jaswal	OK
35	Q3066-06	354	SAM	09/12/25 15:55		Jaswal	OK
36	CCV03	CCV03	CCV	09/12/25 15:59		Jaswal	OK
37	CCB03	CCB03	CCB	09/12/25 16:03		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137179

Review By	Janvi	Review On	9/15/2025 10:21:14 AM
Supervise By	jaswal	Supervise On	9/16/2025 11:52:32 AM
STD. NAME	STD REF.#		
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
ICV Standard	MP87047,MP87038		
CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

38	Q3066-07	VNJ-242	SAM	09/12/25 16:08		Jaswal	OK
39	Q3072-02	30-GARFIELD-PL-CO	SAM	09/12/25 16:12		Jaswal	OK
40	Q3073-03	BEL-25-0023	SAM	09/12/25 16:16		Jaswal	OK
41	Q3074-05	MOO-25-0141	SAM	09/12/25 16:21		Jaswal	OK
42	Q3075-03	MOO-25-0254-0256	SAM	09/12/25 16:25		Jaswal	OK
43	Q3075-05	MOO-25-0258	SAM	09/12/25 16:29		Jaswal	OK
44	Q3075-07	MOO-25-0259	SAM	09/12/25 16:34		Jaswal	OK
45	Q3075-09	MOO-25-0260	SAM	09/12/25 16:38		Jaswal	OK
46	Q3075-12	MOO-25-0261-0263	SAM	09/12/25 16:42		Jaswal	OK
47	Q3077-02	LAW-25-0137	SAM	09/12/25 16:47		Jaswal	OK
48	CCV04	CCV04	CCV	09/12/25 16:51		Jaswal	OK
49	CCB04	CCB04	CCB	09/12/25 17:14		Jaswal	OK
50	Q3077-04	LAW-25-0139	SAM	09/12/25 17:18		Jaswal	OK
51	Q3077-04DUP	LAW-25-0139DUP	DUP	09/12/25 17:22		Jaswal	OK
52	Q3077-04L	LAW-25-0139L	SD	09/12/25 17:27		Jaswal	OK
53	Q3077-04MS	LAW-25-0139MS	MS	09/12/25 17:31		Jaswal	OK
54	Q3077-04MSD	LAW-25-0139MSD	MSD	09/12/25 17:35		Jaswal	OK
55	Q3077-04A	LAW-25-0139A	PS	09/12/25 17:39	0.1ml M6008,M6017-10ML SAMPLE	Jaswal	OK
56	PB169640TB	PB169640TB	MB	09/12/25 17:43		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137179

Review By	Janvi	Review On	9/15/2025 10:21:14 AM
Supervise By	jaswal	Supervise On	9/16/2025 11:52:32 AM
STD. NAME	STD REF.#		
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
ICV Standard	MP87047,MP87038		
CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

57	Q3071-01	4089	SAM	09/12/25 17:56		Jaswal	OK
58	CCV05	CCV05	CCV	09/12/25 18:00		Jaswal	OK
59	CCB05	CCB05	CCB	09/12/25 18:04		Jaswal	OK
60	Q3071-01DUP	4089DUP	DUP	09/12/25 18:09		Jaswal	OK
61	Q3071-01L	4089L	SD	09/12/25 18:13		Jaswal	OK
62	Q3071-01MS	4089MS	MS	09/12/25 18:17		Jaswal	OK
63	Q3071-01MSD	4089MSD	MSD	09/12/25 18:21		Jaswal	OK
64	Q3071-01A	4089A	PS	09/12/25 18:25	0.1ml M6008,M6017-10ML SAMPLE	Jaswal	OK
65	Q3058-03	MW4	SAM	09/12/25 18:29		Jaswal	OK
66	LR-3	LR-3	HIGH STD	09/12/25 18:33		Jaswal	OK
67	Q3054-04	MH-385	SAM	09/12/25 18:38		Jaswal	OK
68	Q3080-01	EO-03-091125	SAM	09/12/25 18:43		Jaswal	OK
69	CCV06	CCV06	CCV	09/12/25 18:47		Jaswal	OK
70	CCB06	CCB06	CCB	09/12/25 18:51		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137198

Review By	Janvi	Review On	9/16/2025 11:58:31 AM
Supervise By	jaswal	Supervise On	9/16/2025 12:00:47 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
ICV Standard	MP87047,MP87038		
CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	09/15/25 11:06		Jaswal	OK
2	S1	S1	CAL2	09/15/25 11:10		Jaswal	OK
3	S2	S2	CAL3	09/15/25 11:14		Jaswal	OK
4	S3	S3	CAL4	09/15/25 11:18		Jaswal	OK
5	S4	S4	CAL5	09/15/25 11:22		Jaswal	OK
6	S5	S5	CAL6	09/15/25 11:26		Jaswal	OK
7	ICV01	ICV01	ICV	09/15/25 11:31		Jaswal	OK
8	LLICV01	LLICV01	LLICV	09/15/25 11:36		Jaswal	OK
9	ICB01	ICB01	ICB	09/15/25 11:43		Jaswal	OK
10	CRI01	CRI01	CRDL	09/15/25 11:47		Jaswal	OK
11	ICSA01	ICSA01	ICSA	09/15/25 12:12		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	09/15/25 12:16		Jaswal	OK
13	ICSADL	ICSADL	ICSA	09/15/25 12:26		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	09/15/25 12:30		Jaswal	OK
15	CCV01	CCV01	CCV	09/15/25 12:35		Jaswal	OK
16	CCB01	CCB01	CCB	09/15/25 12:39		Jaswal	OK
17	LR-1	LR-1	HIGH STD	09/15/25 12:44		Jaswal	OK
18	PB169680BL	PB169680BL	MB	09/15/25 12:58		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137198

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ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
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CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

19	PB169680BS	PB169680BS	LCS	09/15/25 13:02		Jaswal	OK
20	PB169682BL	PB169682BL	MB	09/15/25 13:06		Jaswal	OK
21	PB169682BS	PB169682BS	LCS	09/15/25 13:10		Jaswal	OK
22	Q3082-01	WC-29	SAM	09/15/25 13:14		Jaswal	OK
23	Q3082-03	WC-30	SAM	09/15/25 13:18		Jaswal	OK
24	Q3082-05	WC-31	SAM	09/15/25 13:22		Jaswal	OK
25	CCV02	CCV02	CCV	09/15/25 13:42		Jaswal	OK
26	CCB02	CCB02	CCB	09/15/25 13:47		Jaswal	OK
27	Q3082-07	WC-32	SAM	09/15/25 13:51		Jaswal	OK
28	Q3082-09	WC-33	SAM	09/15/25 13:55		Jaswal	OK
29	Q3082-01DUP	WC-29DUP	DUP	09/15/25 13:59		Jaswal	OK
30	Q3082-01L	WC-29L	SD	09/15/25 14:03		Jaswal	OK
31	Q3082-01MS	WC-29MS	MS	09/15/25 14:07		Jaswal	OK
32	Q3082-01MSD	WC-29MSD	MSD	09/15/25 14:11		Jaswal	OK
33	Q3082-01A	WC-29A	PS	09/15/25 14:15	0.1 ML OF M6008 AND M6017 IN 10ML SAMPLE.	Jaswal	OK
34	LR-2	LR-2	HIGH STD	09/15/25 14:40		Jaswal	OK
35	LR-3	LR-3	HIGH STD	09/15/25 14:48		Jaswal	OK
36	CCV03	CCV03	CCV	09/15/25 15:11		Jaswal	OK
37	CCB03	CCB03	CCB	09/15/25 15:15		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137198

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Supervise By	jaswal	Supervise On	9/16/2025 12:00:47 PM
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ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032		
ICV Standard	MP87047,MP87038		
CCV Standard	MP87042		
ICSA Standard	MP87040,MP87048		
CRI Standard	MP87038		
LCS Standard			
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049		

38	PB169685BL	PB169685BL	MB	09/15/25 15:19		Jaswal	OK
39	PB169685BS	PB169685BS	LCS	09/15/25 15:23		Jaswal	OK
40	Q3082-02	WC-29	SAM	09/15/25 15:27		Jaswal	OK
41	Q3082-04	WC-30	SAM	09/15/25 15:32		Jaswal	OK
42	Q3082-06	WC-31	SAM	09/15/25 15:36		Jaswal	OK
43	Q3082-08	WC-32	SAM	09/15/25 15:41		Jaswal	OK
44	Q3082-10	WC-33	SAM	09/15/25 15:45		Jaswal	OK
45	Q3085-01	PAULDING-WC1	SAM	09/15/25 15:49		Jaswal	OK
46	Q3091-07	12/9C-COMP	SAM	09/15/25 15:54		Jaswal	OK
47	Q3091-14	12/9B-COMP	SAM	09/15/25 15:58		Jaswal	OK
48	CCV04	CCV04	CCV	09/15/25 16:12		Jaswal	OK
49	CCB04	CCB04	CCB	09/15/25 16:16		Jaswal	OK
50	Q3092-02	291376	SAM	09/15/25 16:21		Jaswal	OK
51	Q3092-04	279182	SAM	09/15/25 16:25		Jaswal	OK
52	Q3092-04DUP	279182DUP	DUP	09/15/25 16:29		Jaswal	OK
53	Q3092-04L	279182L	SD	09/15/25 16:34		Jaswal	OK
54	Q3092-04MS	279182MS	MS	09/15/25 16:38		Jaswal	OK
55	Q3092-04MSD	279182MSD	MSD	09/15/25 16:42		Jaswal	OK
56	Q3092-04A	279182A	PS	09/15/25 16:46	0.1 ML OF M6008 AND M6017 IN 10ML SAMPLE.	Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137198

Review By	Janvi	Review On	9/16/2025 11:58:31 AM
Supervise By	jaswal	Supervise On	9/16/2025 12:00:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

57	PB169677TB	PB169677TB	MB	09/15/25 16:50		Jaswal	OK
58	CCV05	CCV05	CCV	09/15/25 16:55		Jaswal	OK
59	CCB05	CCB05	CCB	09/15/25 16:59		Jaswal	OK

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID : ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 09/12/2025 Time : 10:05 Temp : 96 °C

End Digest Date: 09/12/2025 Time : 13:10 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKG.

Supervisor Signature: jpp

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6180
LFS-2	1.00	M6181
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	3.00	M6158
1:1 HCL	5.00	MP85156
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
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#1 CELL#50 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/12/25 14:10	SKG.mct di9	jpp MetLab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169680BL	PBW680	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
PB169680BS	LCS680	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	9
Q3058-03	MW4	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	10
Q3071-01	4089	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	11
Q3071-01MS	4089MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	13
Q3071-01MSD	4089MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	14
Q3071-01DUP	4089DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	12



SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: **G Environmental**
ADDRESS: **8 CARRICO**
CITY: **SHIRAZ** STATE: **NJ** ZIP:
ATTENTION: **Shiraz**
PHONE: FAX:

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

BILL TO: **G Environmental**
ADDRESS: **8 CARRICO**
CITY: **SHIRAZ** STATE: **NJ** ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) **5 day** 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) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other **Excel**
EDD FORMAT **HAZARDOUS NJ DEP**

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9		
1.	RPXY5	soil	X		9/25/04	5:04			X									
2.	RPXY4	soil	X		9/25/04	5:04			X									
3.	MW4	GW	X		9/25/04	12:53					X		X					
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt:
1. Rel	9/25/04 13:43	CD	☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 23°C
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Comments:
2.			It's gone!
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3.			

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3058	GENV01	Order Date : 9/9/2025 1:49:00 PM	Project Mgr :
Client Name : G Environmental		Project Name : Buffington	Report Type : NJ Reduced
Client Contact : Gary Landis		Receive DateTime : 9/9/2025 1:43:00 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
Q3058-01	RPXY5	Solid	09/09/2025	09:45					
					VOC-TCLVOA-10		8260D		5 Bus. Days
Q3058-02	RPXY4	Solid	09/09/2025	10:30					
					VOC-TCLVOA-10		8260D		5 Bus. Days
Q3058-03	MW4	Water	09/09/2025	12:15					
					VOCMS Group1		8260-Low		5 Bus. Days

Relinquished By : af
Date / Time : 9/9/25 15:03

Received By : Sam
Date / Time : 09/09/25 15:03

Storage Area : VOA Refridgerator Room

Handwritten notes:
Ry H 4
Ref #6
P 72