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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : COMMUNIPAW

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q1575

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q1575

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : ALLIANCE TECHNICAL GROUP

Client : G Environmental

Project Location :

Project Number : - Communipaw

Laboratory Sample ID(s) : Q1575

Sampling Date(s) : 3/13/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **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.”

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Cover Page

Order ID : Q1575

Project ID : Communipaw

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1575-01	MW3
Q1575-02	MW7

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

Signature : _____

Date: 3/22/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

G Environmental
Project Name: Communipaw
Project # N/A
Chemtech Project # Q1575
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
2 Water samples were received on 03/14/2025.

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

C. Analytical Techniques:
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 VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration File ID VN086025.D met the requirements except for Styrene is failing high but no positive hit in associate sample therefore no corrective action taken.
The Tuning criteria met requirements.

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.
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

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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.

Signature_____

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908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1575

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

QA Review Signature: SOHIL JODHANI **Date:** 03/22/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1575

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW3**								
Q1575-01	MW3	Water	Acetone		4.90	J	1.50	5.00	ug/L
Q1575-01	MW3	Water	Methylcyclohexane		6.90		0.16	1.00	ug/L
Q1575-01	MW3	Water	Isopropylbenzene		1.10		0.12	1.00	ug/L
			Total Voc :		12.9				
Q1575-01	MW3	Water	unknown10.318	*	11.8	J	0	0	ug/L
Q1575-01	MW3	Water	unknown11.006	*	5.80	J	0	0	ug/L
Q1575-01	MW3	Water	Butane, 2,3-dimethyl-	*	11.8	J	0	0	ug/L
Q1575-01	MW3	Water	Pentane, 2,4-dimethyl-	*	22.6	J	0	0	ug/L
Q1575-01	MW3	Water	Indane	*	6.20	J	0	0	ug/L
Q1575-01	MW3	Water	Pentane, 2,3,3-trimethyl-	*	210	J	0	0	ug/L
Q1575-01	MW3	Water	3-Pentanone, 2,2-dimethyl-	*	50.9	J	0	0	ug/L
Q1575-01	MW3	Water	Pentane, 2,3-dimethyl-	*	59.9	J	0	0	ug/L
Q1575-01	MW3	Water	Pentane, 2,3,4-trimethyl-	*	130	J	0	0	ug/L
Q1575-01	MW3	Water	3-Pentanone, 2,4-dimethyl-	*	8.90	J	0	0	ug/L
Q1575-01	MW3	Water	Butane, 2,2,3,3-tetramethyl-	*	240	J	0	0	ug/L
Q1575-01	MW3	Water	Hexane, 2,2,5-trimethyl-	*	16.1	J	0	0	ug/L
Q1575-01	MW3	Water	Benzene, 1-ethenyl-3-ethyl-	*	5.40	J	0	0	ug/L
Q1575-01	MW3	Water	Heptane, 2,2,4,6,6-pentamethyl	*	16.2	J	0	0	ug/L
Q1575-01	MW3	Water	Sulfurous acid, butyl nonyl este	*	8.10	J	0	0	ug/L
Q1575-01	MW3	Water	n-propylbenzene	*	2.70	J	0.13	1.00	ug/L
Q1575-01	MW3	Water	1,2,4-Trimethylbenzene	*	0.37	J	0.14	1.00	ug/L
Q1575-01	MW3	Water	n-Butylbenzene	*	0.90	J	0.15	1.00	ug/L
			Total Tics :		808				
			Total Concentration:		821				
Client ID:	**MW7**								
Q1575-02	MW7	Water	cis-1,2-Dichloroethene		1.10		0.19	1.00	ug/L
			Total Voc :		1.10				
			Total Concentration:		1.10				

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW3	SDG No.:	Q1575
Lab Sample ID:	Q1575-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086031.D	1		03/20/25 17:57	VN032025

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	4.90	J	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	6.90		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
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
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW3	SDG No.:	Q1575
Lab Sample ID:	Q1575-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086031.D	1		03/20/25 17:57	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	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	1.10		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	52.2		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	52.4		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9		70 (77) - 130 (121)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	8.224			
540-36-3	1,4-Difluorobenzene	283000	9.1			
3114-55-4	Chlorobenzene-d5	271000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW3	SDG No.:	Q1575
Lab Sample ID:	Q1575-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086031.D	1		03/20/25 17:57	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000079-29-8	Butane, 2,3-dimethyl-	11.8	J		5.28	ug/L
000108-08-7	Pentane, 2,4-dimethyl-	22.6	J		7.22	ug/L
000565-59-3	Pentane, 2,3-dimethyl-	59.9	J		8.32	ug/L
000594-82-1	Butane, 2,2,3,3-tetramethyl-	240	J		8.76	ug/L
013475-82-6	Heptane, 2,2,4,6,6-pentamethyl-	16.2	J		9.72	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	130	J		10.0	ug/L
000560-21-4	Pentane, 2,3,3-trimethyl-	210	J		10.1	ug/L
	unknown10.318	11.8	J		10.3	ug/L
003522-94-9	Hexane, 2,2,5-trimethyl-	16.1	J		10.5	ug/L
	unknown11.006	5.80	J		11.0	ug/L
000565-80-0	3-Pentanone, 2,4-dimethyl-	8.90	J		11.2	ug/L
000564-04-5	3-Pentanone, 2,2-dimethyl-	50.9	J		11.2	ug/L
103-65-1	n-propylbenzene	2.70	J		13.0	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.37	J		13.5	ug/L
1000309-17-6	Sulfurous acid, butyl nonyl ester	8.10	J		13.6	ug/L
000496-11-7	Indane	6.20	J		14.0	ug/L
104-51-8	n-Butylbenzene	0.90	J		14.1	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	5.40	J		15.0	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW7	SDG No.:	Q1575
Lab Sample ID:	Q1575-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086030.D	1		03/20/25 17:33	VN032025

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	1.10		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
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
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW7	SDG No.:	Q1575
Lab Sample ID:	Q1575-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086030.D	1		03/20/25 17:33	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	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	55.1		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	139000	8.224			
540-36-3	1,4-Difluorobenzene	243000	9.1			
3114-55-4	Chlorobenzene-d5	227000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	92300	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	03/13/25
Project:	Communipaw	Date Received:	03/14/25
Client Sample ID:	MW7	SDG No.:	Q1575
Lab Sample ID:	Q1575-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086030.D	1		03/20/25 17:33	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1575

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1575-01	MW3	1,2-Dichloroethane-d4	50	52.2	104	70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97	70 (75)	130 (124)
		Toluene-d8	50	52.4	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.9	110	70 (77)	130 (121)
Q1575-02	MW7	1,2-Dichloroethane-d4	50	55.0	110	70 (74)	130 (125)
		Dibromofluoromethane	50	52.9	106	70 (75)	130 (124)
		Toluene-d8	50	49.8	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.1	100	70 (77)	130 (121)
VN0320WBL01	VN0320WBL01	1,2-Dichloroethane-d4	50	58.2	116	70 (74)	130 (125)
		Dibromofluoromethane	50	54.8	110	70 (75)	130 (124)
		Toluene-d8	50	48.6	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.0	86	70 (77)	130 (121)
VN0320WBS01	VN0320WBS01	1,2-Dichloroethane-d4	50	48.7	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.0	98	70 (75)	130 (124)
		Toluene-d8	50	49.3	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.6	95	70 (77)	130 (121)
VN0320WBSD0	VN0320WBSD01	1,2-Dichloroethane-d4	50	49.0	98	70 (74)	130 (125)
		Dibromofluoromethane	50	47.5	95	70 (75)	130 (124)
		Toluene-d8	50	48.9	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.2	96	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1575

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086028.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0320WBS01	Dichlorodifluoromethane	20	18.0	ug/L	90			40 (69)	160 (116)	
	Chloromethane	20	17.3	ug/L	86			40 (65)	160 (116)	
	Vinyl chloride	20	18.2	ug/L	91			70 (65)	130 (117)	
	Bromomethane	20	18.1	ug/L	91			40 (58)	160 (125)	
	Chloroethane	20	17.2	ug/L	86			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.6	ug/L	93			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.7	ug/L	94			70 (74)	130 (110)	
	Acetone	100	81.4	ug/L	81			40 (60)	160 (125)	
	Carbon disulfide	20	17.2	ug/L	86			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.0	ug/L	90			70 (78)	130 (114)	
	Methyl Acetate	20	17.4	ug/L	87			70 (67)	130 (125)	
	Methylene Chloride	20	19.0	ug/L	95			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.4	ug/L	97			70 (78)	130 (112)	
	Cyclohexane	20	17.9	ug/L	90			70 (75)	130 (110)	
	2-Butanone	100	85.5	ug/L	86			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.7	ug/L	99			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.9	ug/L	95			70 (77)	130 (110)	
	Bromochloromethane	20	18.0	ug/L	90			70 (70)	130 (124)	
	Chloroform	20	19.8	ug/L	99			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.5	ug/L	98			70 (80)	130 (108)	
	Methylcyclohexane	20	16.8	ug/L	84			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.2	ug/L	96			70 (80)	130 (115)	
	Trichloroethene	20	18.3	ug/L	92			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.2	ug/L	101			70 (83)	130 (111)	
	Bromodichloromethane	20	19.8	ug/L	99			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	93.0	ug/L	93			40 (74)	160 (118)	
	Toluene	20	20.4	ug/L	102			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.8	ug/L	94			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			70 (83)	130 (112)	
	2-Hexanone	100	91.8	ug/L	92			40 (73)	160 (117)	
	Dibromochloromethane	20	20.0	ug/L	100			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.4	ug/L	97			70 (81)	130 (110)	
	Tetrachloroethene	20	20.0	ug/L	100			70 (67)	130 (123)	
	Chlorobenzene	20	18.7	ug/L	94			70 (82)	130 (109)	
	Ethyl Benzene	20	19.0	ug/L	95			70 (83)	130 (109)	
	m/p-Xylenes	40	39.7	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	19.5	ug/L	98			70 (83)	130 (109)	
	Styrene	20	19.7	ug/L	99			70 (80)	130 (111)	
	Bromoform	20	18.7	ug/L	94			70 (79)	130 (109)	
	Isopropylbenzene	20	17.6	ug/L	88			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.7	ug/L	89			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.1	ug/L	91			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1575

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086028.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0320WBS01	1,2-Dibromo-3-Chloropropane	20	17.0	ug/L	85			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	15.6	ug/L	78			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	16.4	ug/L	82			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1575

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086029.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0320WBSD01	Dichlorodifluoromethane	20	19.1	ug/L	96	6		40 (69)	160 (116)	20 (20)
	Chloromethane	20	18.9	ug/L	95	10		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.7	ug/L	94	3		70 (65)	130 (117)	20 (20)
	Bromomethane	20	18.9	ug/L	95	4		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.3	ug/L	92	7		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.8	ug/L	94	1		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93	0		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.7	ug/L	99	5		70 (74)	130 (110)	20 (20)
	Acetone	100	88.9	ug/L	89	9		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.0	ug/L	90	5		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.6	ug/L	98	9		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	18.8	ug/L	94	8		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.2	ug/L	101	6		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.8	ug/L	99	5		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.3	ug/L	102	5		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.1	ug/L	91	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	92.5	ug/L	93	8		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	20.5	ug/L	103	4		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	5		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	18.4	ug/L	92	2		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.2	ug/L	101	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	20.0	ug/L	100	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	16.7	ug/L	84	0		70 (72)	130 (115)	20 (20)
	Benzene	20	20.7	ug/L	104	5		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.7	ug/L	104	8		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.1	ug/L	96	4		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.6	ug/L	103	2		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	21.1	ug/L	106	7		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	7		40 (74)	160 (118)	20 (20)
	Toluene	20	21.2	ug/L	106	4		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	20.3	ug/L	102	10		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.1	ug/L	101	7		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	21.8	ug/L	109	8		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	98.4	ug/L	98	6		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.0	ug/L	105	5		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.5	ug/L	103	6		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.6	ug/L	98	2		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.5	ug/L	98	4		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.6	ug/L	98	3		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	41.0	ug/L	103	4		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.1	ug/L	101	3		70 (83)	130 (109)	20 (20)
	Styrene	20	20.7	ug/L	104	5		70 (80)	130 (111)	20 (20)
	Bromoform	20	20.0	ug/L	100	6		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	18.5	ug/L	93	6		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	18.7	ug/L	94	5		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.5	ug/L	98	5		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.0	ug/L	95	4		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	18.9	ug/L	95	7		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1575

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN086029.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0320WBSD01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/L	89	5		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	16.9	ug/L	85	9		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	17.8	ug/L	89	8		70 (76)	130 (114)	20 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0320WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG NO.: Q1575

Lab File ID: VN086027.D Lab Sample ID: VN0320WBL01

Date Analyzed: 03/20/2025 Time Analyzed: 16:12

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
VN0320WBS01	VN0320WBS01	VN086028.D	03/20/2025
VN0320WBSD01	VN0320WBSD01	VN086029.D	03/20/2025
MW7	Q1575-02	VN086030.D	03/20/2025
MW3	Q1575-01	VN086031.D	03/20/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG NO.: Q1575

Lab File ID: VN085994.D BFB Injection Date: 03/18/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:52

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	15.2
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	87.1
175	5.0 - 9.0% of mass 174	6.7 (7.7) 1
176	95.0 - 101.0% of mass 174	83.7 (96.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085996.D	03/18/2025	11:44
VSTDICCC050	VSTDICCC050	VN085997.D	03/18/2025	12:08
VSTDICC020	VSTDICC020	VN085998.D	03/18/2025	12:32
VSTDICC010	VSTDICC010	VN085999.D	03/18/2025	12:57
VSTDICC005	VSTDICC005	VN086000.D	03/18/2025	13:21
VSTDICC001	VSTDICC001	VN086001.D	03/18/2025	14:09

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG NO.: Q1575

Lab File ID: VN086024.D BFB Injection Date: 03/20/2025

Instrument ID: MSVOA_N BFB Injection Time: 14:38

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	16
75	30.0 - 60.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	88
175	5.0 - 9.0% of mass 174	4.7 (5.3) 1
176	95.0 - 101.0% of mass 174	85.3 (97) 1
177	5.0 - 9.0% of mass 176	4.8 (5.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086025.D	03/20/2025	15:13
VN0320WBL01	VN0320WBL01	VN086027.D	03/20/2025	16:12
VN0320WBS01	VN0320WBS01	VN086028.D	03/20/2025	16:36
VN0320WBSD01	VN0320WBSD01	VN086029.D	03/20/2025	17:09
MW7	Q1575-02	VN086030.D	03/20/2025	17:33
MW3	Q1575-01	VN086031.D	03/20/2025	17:57

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG NO.: Q1575

Lab File ID: VN086025.D Date Analyzed: 03/20/2025

Instrument ID: MSVOA_N Time Analyzed: 15:13

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	154803	8.22	247467	9.10	235468	11.87
UPPER LIMIT	309606	8.724	494934	9.6	470936	12.365
LOWER LIMIT	77401.5	7.724	123734	8.6	117734	11.365
EPA SAMPLE NO.						
MW3	157894	8.22	282837	9.10	271249	11.87
MW7	138616	8.22	242981	9.10	226759	11.87
VN0320WBL01	133645	8.22	242254	9.10	218780	11.87
VN0320WBS01	171117	8.22	271859	9.10	243713	11.87
VN0320WBSD01	163068	8.22	259777	9.10	237082	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG NO.: Q1575

Lab File ID: VN086025.D Date Analyzed: 03/20/2025

Instrument ID: MSVOA_N Time Analyzed: 15:13

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

	IS4 AREA #	RT #				
12 HOUR STD	132733	13.788				
UPPER LIMIT	265466	14.288				
LOWER LIMIT	66366.5	13.288				
EPA SAMPLE NO.						
MW3	117699	13.79				
MW7	92285	13.79				
VN0320WBL01	87559	13.79				
VN0320WBS01	126819	13.79				
VN0320WBSD01	122440	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBL01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086027.D	1		03/20/25 16:12	VN032025

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
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
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBL01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086027.D	1		03/20/25 16:12	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	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	58.2		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	54.8		70 (75) - 130 (124)	110%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.0		70 (77) - 130 (121)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	134000	8.224			
540-36-3	1,4-Difluorobenzene	242000	9.1			
3114-55-4	Chlorobenzene-d5	219000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	87600	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBL01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086027.D	1		03/20/25 16:12	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBS01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086028.D	1		03/20/25 16:36	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		0.22	1.00	ug/L
74-87-3	Chloromethane	17.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.26	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	5.00	ug/L
75-00-3	Chloroethane	17.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	1.00	ug/L
67-64-1	Acetone	81.4		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	17.4		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	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.50	5.00	ug/L
78-93-3	2-Butanone	85.5		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.0		0.22	1.00	ug/L
67-66-3	Chloroform	19.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.8		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.2		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.0		0.68	5.00	ug/L
108-88-3	Toluene	20.4		0.14	1.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBS01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086028.D	1		03/20/25 16:36	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.8		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.1		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.8		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	1.00	ug/L
100-42-5	Styrene	19.7		0.15	1.00	ug/L
75-25-2	Bromoform	18.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.7		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.1		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.6		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	171000	8.218			
540-36-3	1,4-Difluorobenzene	272000	9.1			
3114-55-4	Chlorobenzene-d5	244000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBS01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086028.D	1		03/20/25 16:36	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBSD01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086029.D	1		03/20/25 17:09	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.1		0.22	1.00	ug/L
74-87-3	Chloromethane	18.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.7		0.26	1.00	ug/L
74-83-9	Bromomethane	18.9		1.40	5.00	ug/L
75-00-3	Chloroethane	18.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.8		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.7		0.23	1.00	ug/L
67-64-1	Acetone	88.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.50	5.00	ug/L
78-93-3	2-Butanone	92.5		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	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.7		0.16	1.00	ug/L
71-43-2	Benzene	20.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.1		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	21.1		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	21.2		0.14	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBSD01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086029.D	1		03/20/25 17:09	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	98.4		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	41.0		0.24	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	1.00	ug/L
100-42-5	Styrene	20.7		0.15	1.00	ug/L
75-25-2	Bromoform	20.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.7		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.9		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.224			
540-36-3	1,4-Difluorobenzene	260000	9.1			
3114-55-4	Chlorobenzene-d5	237000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Communipaw	Date Received:	
Client Sample ID:	VN0320WBSD01	SDG No.:	Q1575
Lab Sample ID:	VN0320WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086029.D	1		03/20/25 17:09	VN032025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG No.: Q1575

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

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

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.707	0.643	0.600	0.649	0.697	0.678	0.662	6
Chloromethane	0.575	0.557	0.514	0.544	0.612	0.683	0.581	10.3
Vinyl Chloride	0.622	0.592	0.541	0.581	0.634	0.592	0.594	5.5
Bromomethane	0.388	0.381	0.377	0.411	0.466		0.404	9.2
Chloroethane	0.355	0.330	0.334	0.378	0.403	0.446	0.375	11.9
Trichlorofluoromethane	1.059	0.977	0.959	1.035	1.107	1.267	1.067	10.5
1,1,2-Trichlorotrifluoroethane	0.574	0.515	0.512	0.553	0.590	0.659	0.567	9.7
1,1-Dichloroethene	0.567	0.516	0.481	0.545	0.550	0.415	0.512	11
Acetone	0.251	0.194	0.179	0.195	0.213	0.223	0.209	12.4
Carbon Disulfide	1.649	1.510	1.467	1.610	1.765	2.107	1.685	13.8
Methyl tert-butyl Ether	1.888	1.691	1.578	1.604	1.638	1.673	1.679	6.6
Methyl Acetate	0.488	0.469	0.434	0.504	0.542	0.667	0.518	15.8
Methylene Chloride	0.613	0.565	0.551	0.572	0.639	0.731	0.612	10.9
trans-1,2-Dichloroethene	0.603	0.534	0.521	0.546	0.564	0.591	0.560	5.8
1,1-Dichloroethane	1.023	0.949	0.908	0.968	1.032	1.130	1.001	7.8
Cyclohexane	0.890	0.799	0.765	0.854	0.957		0.853	8.9
2-Butanone	0.331	0.292	0.277	0.297	0.319	0.296	0.302	6.5
Carbon Tetrachloride	0.673	0.578	0.557	0.580	0.613	0.624	0.604	6.9
cis-1,2-Dichloroethene	0.688	0.633	0.591	0.617	0.656	0.632	0.636	5.3
Bromochloromethane	0.403	0.391	0.398	0.404	0.430	0.521	0.424	11.6
Chloroform	1.119	1.017	1.011	1.101	1.149	1.245	1.107	7.9
1,1,1-Trichloroethane	1.093	0.986	0.962	1.025	1.097	1.124	1.048	6.3
Methylcyclohexane	0.579	0.475	0.419	0.399	0.426	0.438	0.456	14.3
Benzene	1.610	1.393	1.348	1.386	1.453	1.466	1.443	6.5
1,2-Dichloroethane	0.538	0.475	0.462	0.491	0.528	0.521	0.503	6.1
Trichloroethene	0.394	0.346	0.335	0.353	0.380	0.435	0.374	10
1,2-Dichloropropane	0.366	0.321	0.319	0.321	0.333	0.309	0.328	6.2
Bromodichloromethane	0.600	0.516	0.506	0.515	0.561	0.537	0.539	6.6
4-Methyl-2-Pentanone	0.434	0.385	0.368	0.380	0.369	0.287	0.371	12.9
Toluene	1.074	0.915	0.862	0.878	0.856	0.727	0.885	12.7

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG No.: Q1575

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

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

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.646	0.539	0.504	0.506	0.501	0.446	0.524	12.8
cis-1,3-Dichloropropene	0.659	0.568	0.533	0.555	0.537	0.464	0.553	11.5
1,1,2-Trichloroethane	0.382	0.327	0.316	0.330	0.338	0.335	0.338	6.7
2-Hexanone	0.334	0.284	0.269	0.270	0.261	0.202	0.270	15.7
Dibromochloromethane	0.503	0.432	0.408	0.422	0.436	0.416	0.436	7.8
1,2-Dibromoethane	0.400	0.351	0.326	0.343	0.337	0.325	0.347	8
Tetrachloroethene	0.407	0.371	0.370	0.390	0.421	0.433	0.399	6.6
Chlorobenzene	1.229	1.085	1.070	1.116	1.156	1.208	1.144	5.7
Ethyl Benzene	2.209	1.918	1.744	1.769	1.755	1.586	1.830	11.7
m/p-Xylenes	0.867	0.756	0.700	0.690	0.660	0.643	0.719	11.4
o-Xylene	0.831	0.713	0.655	0.645	0.585	0.532	0.660	15.8
Styrene	1.431	1.219	1.115	1.044	1.032	0.924	1.128	15.8
Bromoform	0.392	0.345	0.329	0.342	0.355	0.371	0.356	6.4
Isopropylbenzene	3.863	3.599	3.251	3.470	3.264	3.039	3.414	8.6
1,1,2,2-Tetrachloroethane	1.076	1.052	1.041	1.191	1.261	1.311	1.155	10
1,3-Dichlorobenzene	1.842	1.685	1.614	1.749	1.718	1.688	1.716	4.5
1,4-Dichlorobenzene	1.825	1.667	1.621	1.756	1.907	2.043	1.803	8.7
1,2-Dichlorobenzene	1.716	1.598	1.522	1.673	1.724	2.004	1.706	9.7
1,2-Dibromo-3-Chloropropane	0.240	0.221	0.216	0.266	0.250	0.192	0.231	11.5
1,2,4-Trichlorobenzene	0.952	0.850	0.779	0.815	0.851	0.899	0.858	7.1
1,2,3-Trichlorobenzene	0.900	0.829	0.772	0.794	0.791	0.798	0.814	5.7
1,2-Dichloroethane-d4	0.632	0.665	0.669	0.721	0.737		0.685	6.3
Dibromofluoromethane	0.333	0.334	0.347	0.362	0.368		0.349	4.5
Toluene-d8	1.309	1.266	1.253	1.289	1.217		1.267	2.8
4-Bromofluorobenzene	0.514	0.466	0.447	0.440	0.391		0.452	9.8

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG No.: Q1575

Instrument ID: MSVOA_N Calibration Date/Time: 03/20/2025 15:13

Lab File ID: VN086025.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.662	0.607		-8.31	20
Chloromethane	0.581	0.552	0.1	-4.99	20
Vinyl Chloride	0.594	0.578		-2.69	20
Bromomethane	0.404	0.378		-6.44	20
Chloroethane	0.375	0.352		-6.13	20
Trichlorofluoromethane	1.067	1.039		-2.62	20
1,1,2-Trichlorotrifluoroethane	0.567	0.520		-8.29	20
1,1-Dichloroethene	0.512	0.546		6.64	20
Acetone	0.209	0.188		-10.05	20
Carbon Disulfide	1.685	1.617		-4.04	20
Methyl tert-butyl Ether	1.679	1.745		3.93	20
Methyl Acetate	0.518	0.480		-7.34	20
Methylene Chloride	0.612	0.644		5.23	20
trans-1,2-Dichloroethene	0.560	0.603		7.68	20
1,1-Dichloroethane	1.001	1.073	0.1	7.19	20
Cyclohexane	0.853	0.801		-6.1	20
2-Butanone	0.302	0.287		-4.97	20
Carbon Tetrachloride	0.604	0.663		9.77	20
cis-1,2-Dichloroethene	0.636	0.691		8.65	20
Bromochloromethane	0.424	0.450		6.13	20
Chloroform	1.107	1.208		9.12	20
1,1,1-Trichloroethane	1.048	1.104		5.34	20
Methylcyclohexane	0.456	0.420		-7.89	20
Benzene	1.443	1.598		10.74	20
1,2-Dichloroethane	0.503	0.541		7.55	20
Trichloroethene	0.374	0.369		-1.34	20
1,2-Dichloropropane	0.328	0.374		14.02	20
Bromodichloromethane	0.539	0.594		10.2	20
4-Methyl-2-Pentanone	0.371	0.402		8.36	20
Toluene	0.885	1.037		17.17	20
t-1,3-Dichloropropene	0.524	0.560		6.87	20
cis-1,3-Dichloropropene	0.553	0.597		7.96	20
1,1,2-Trichloroethane	0.338	0.391		15.68	20
2-Hexanone	0.270	0.296		9.63	20
Dibromochloromethane	0.436	0.498		14.22	20
1,2-Dibromoethane	0.347	0.383		10.38	20
Tetrachloroethene	0.399	0.412		3.26	20
Chlorobenzene	1.144	1.188	0.3	3.76	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1575 SAS No.: Q1575 SDG No.: Q1575

Instrument ID: MSVOA_N Calibration Date/Time: 03/20/2025 15:13

Lab File ID: VN086025.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.830	2.040		11.48	20
m/p-Xylenes	0.719	0.838		16.55	20
o-Xylene	0.660	0.770		16.67	20
Styrene	1.128	1.356		20.21	20
Bromoform	0.356	0.370	0.1	3.93	20
Isopropylbenzene	3.414	3.399		-0.44	20
1,1,2,2-Tetrachloroethane	1.155	1.035	0.3	-10.39	20
1,3-Dichlorobenzene	1.716	1.771		3.2	20
1,4-Dichlorobenzene	1.803	1.762		-2.27	20
1,2-Dichlorobenzene	1.706	1.702		-0.23	20
1,2-Dibromo-3-Chloropropane	0.231	0.204		-11.69	20
1,2,4-Trichlorobenzene	0.858	0.784		-8.63	20
1,2,3-Trichlorobenzene	0.814	0.781		-4.05	20
1,2-Dichloroethane-d4	0.685	0.736		7.45	20
Dibromofluoromethane	0.349	0.372		6.59	20
Toluene-d8	1.267	1.398		10.34	20
4-Bromofluorobenzene	0.452	0.521		15.27	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\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 21 01:23:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	157894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	112839	52.189	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane	8.159	113	95712	48.482	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.960%			
50) Toluene-d8	10.565	98	375430	52.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.800%			
62) 4-Bromofluorobenzene	12.847	95	140210	54.872	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.740%			
Target Compounds						Qvalue
16) Acetone	4.424	43	3261m	4.937	ug/l	
39) Methylcyclohexane	9.600	83	17750	6.882	ug/l #	65
73) Isopropylbenzene	12.694	105	8915	1.109	ug/l	98
78) n-propylbenzene	13.035	91	24449	2.686	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	2551	0.373	ug/l	86
89) n-Butylbenzene	14.053	91	4681	0.897	ug/l #	62

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

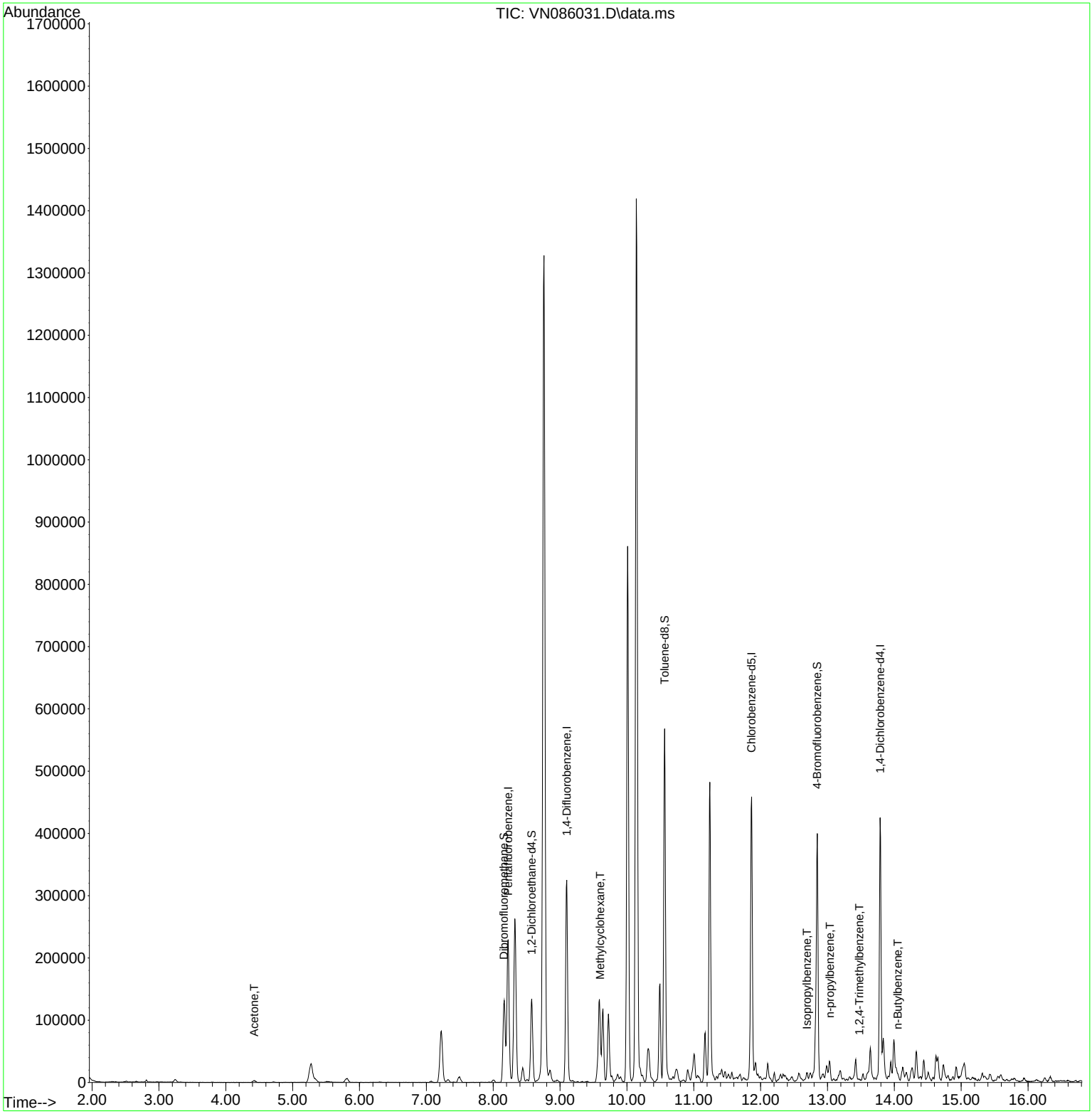
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

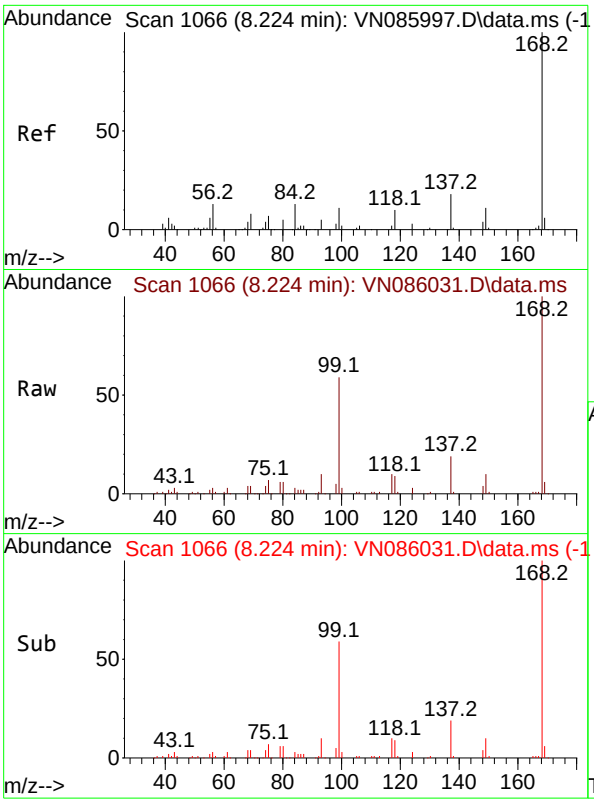
Quant Time: Mar 21 01:23:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

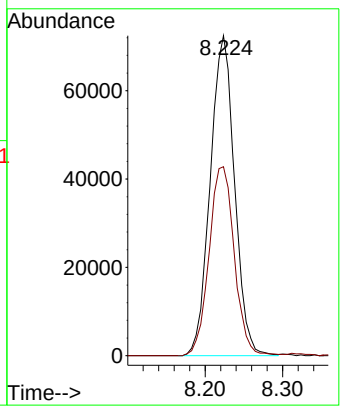




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:168 Resp: 15789

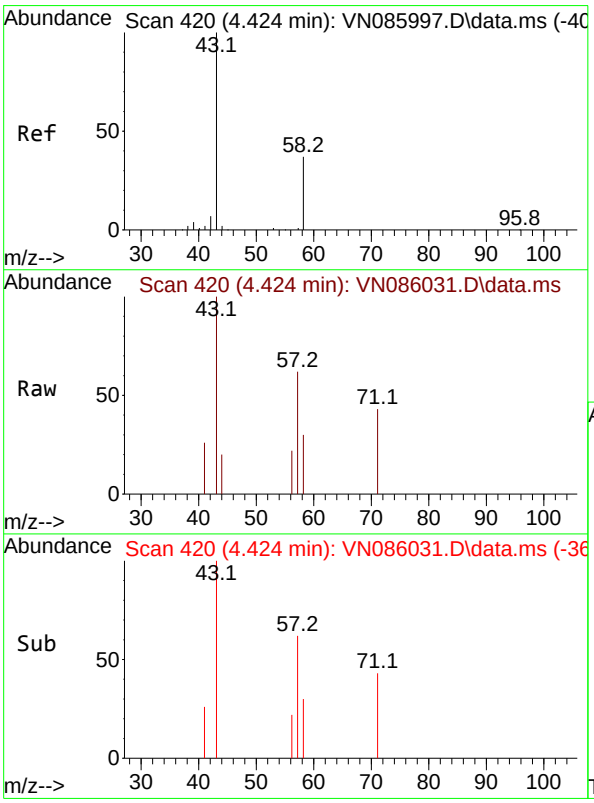
Ion	Ratio	Lower	Upper
168	100		
99	59.0	49.4	74.2



Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
APPROVED

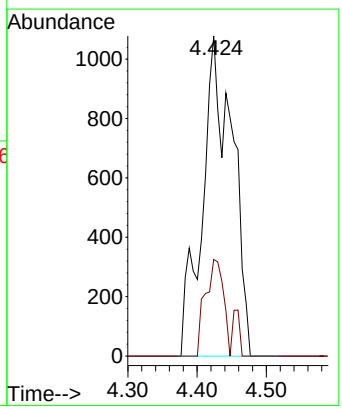
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

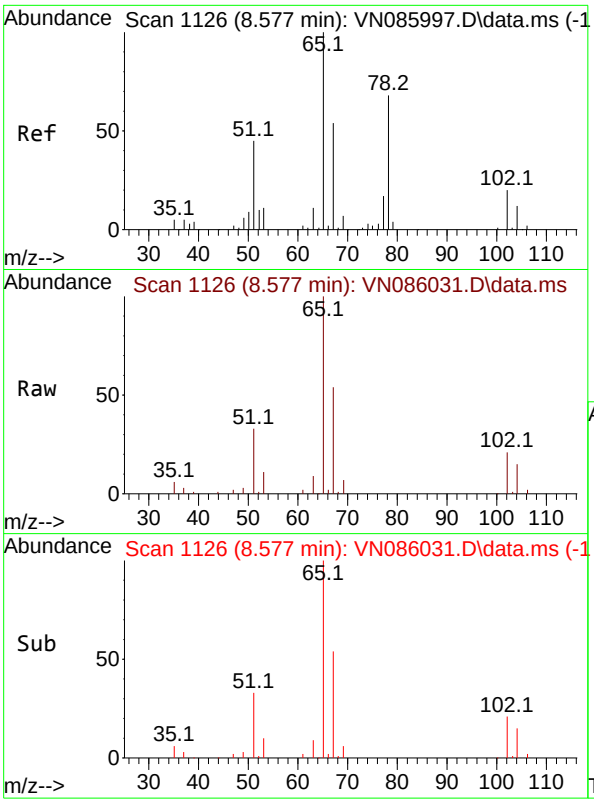


#16
Acetone
Concen: 4.937 ug/l m
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 43 Resp: 3261

Ion	Ratio	Lower	Upper
43	100		
58	30.1	29.4	44.2





#33
1,2-Dichloroethane-d4
Concen: 52.189 ug/l
RT: 8.577 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 65 Resp: 11283

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.2

Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
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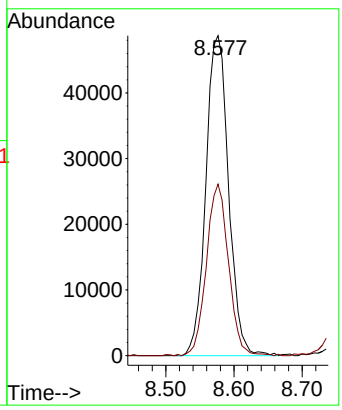
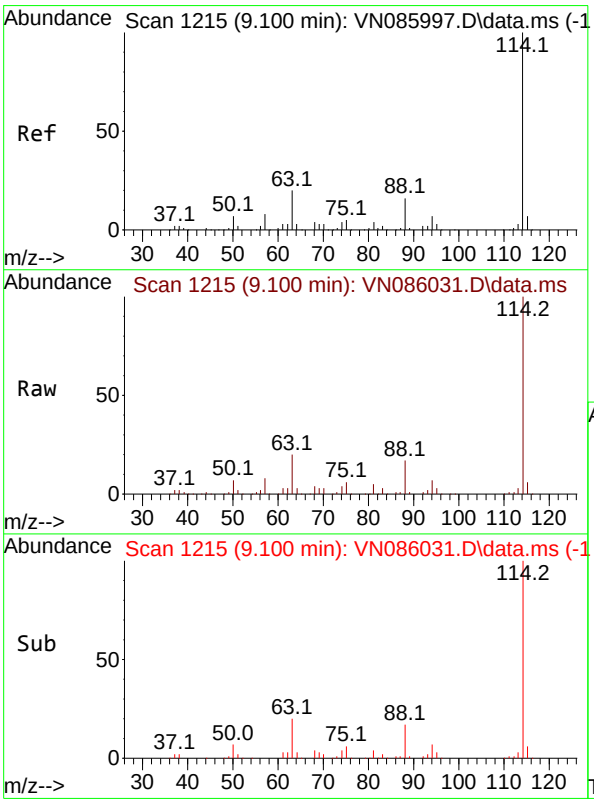
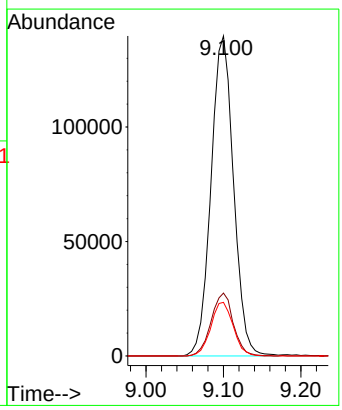


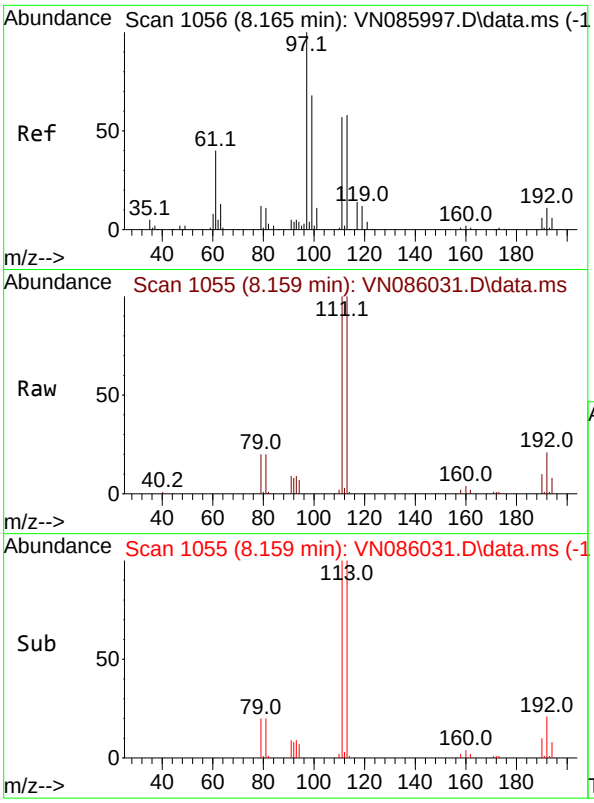


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:114 Resp: 282837

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	16.7	0.0	32.6

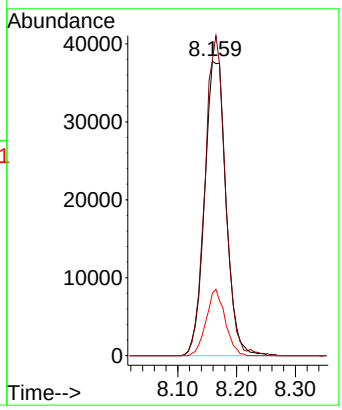




#35
Dibromofluoromethane
Concen: 48.482 ug/l
RT: 8.159 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:113 Resp: 9571

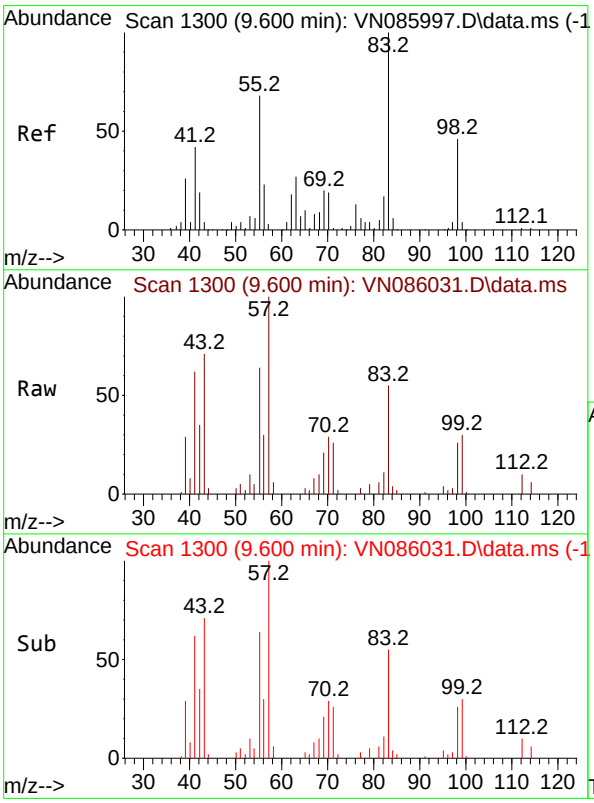
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	19.9	15.9	23.9



Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
APPROVED

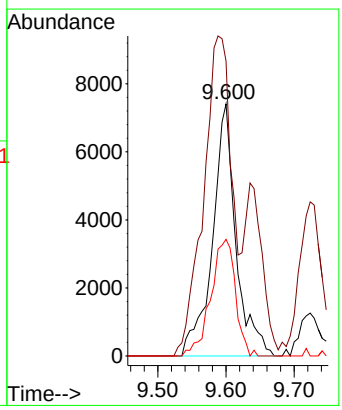
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

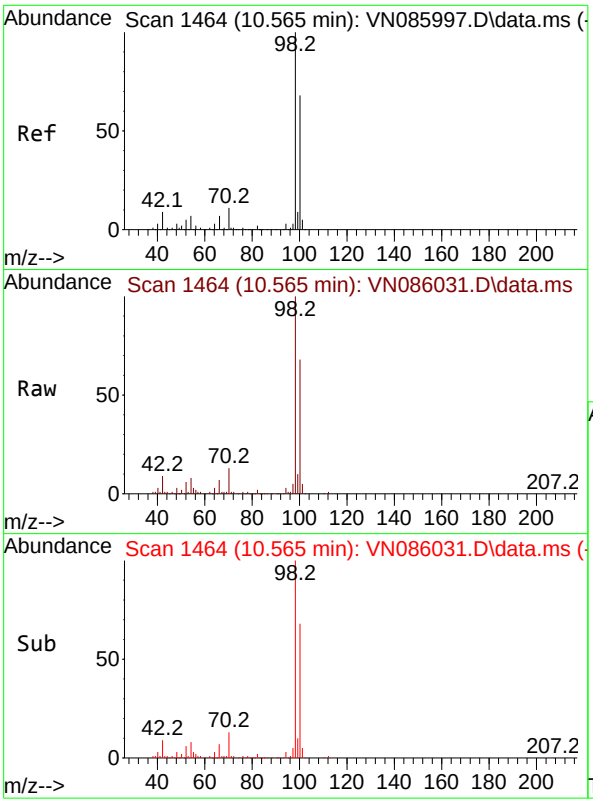


#39
Methylcyclohexane
Concen: 6.882 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 83 Resp: 17750

Ion	Ratio	Lower	Upper
83	100		
55	114.5	54.2	81.2#
98	46.3	37.1	55.7

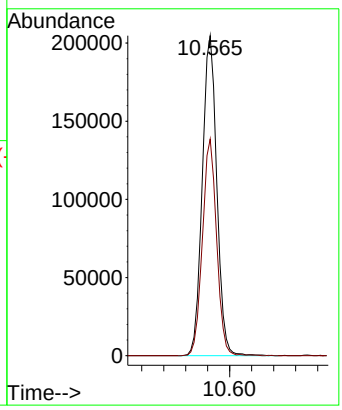




#50
Toluene-d8
Concen: 52.399 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 98 Resp: 37543

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.1	79.7



Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
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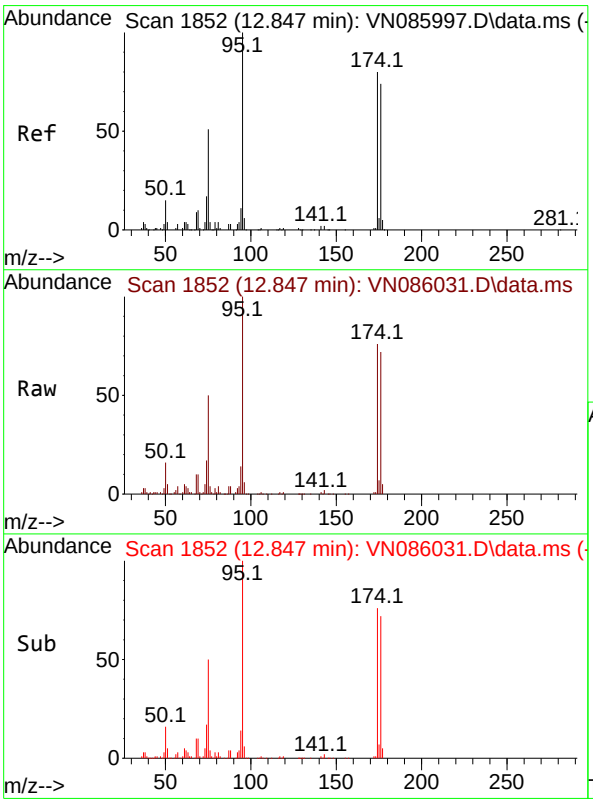
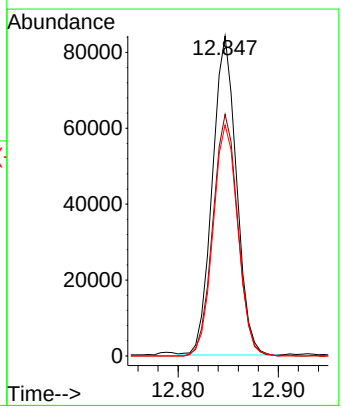
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

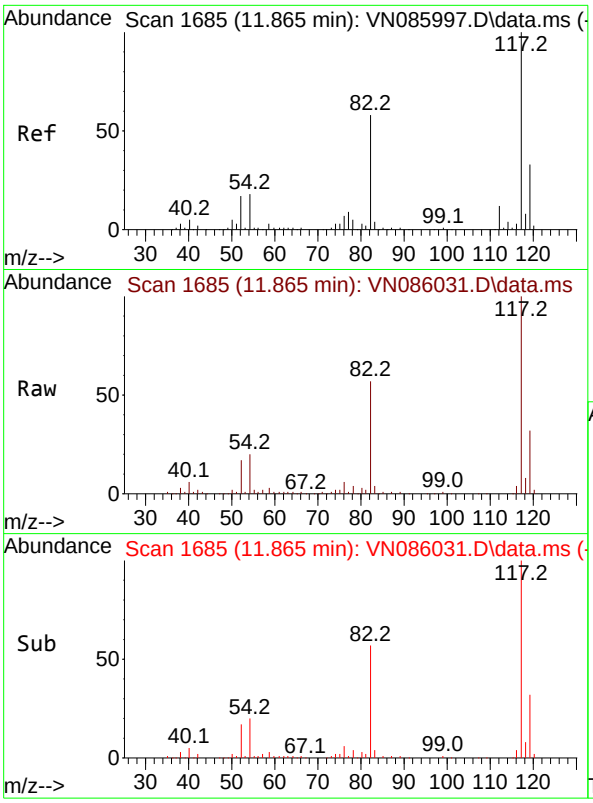


#62
4-Bromofluorobenzene
Concen: 54.872 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 95 Resp: 140210

Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	156.8
176	74.4	0.0	152.2

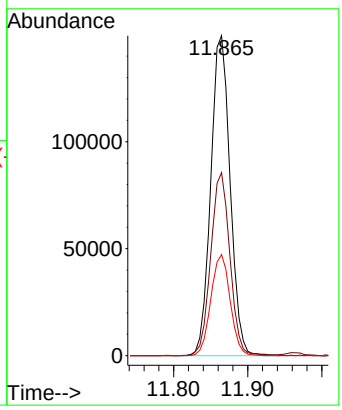




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:117 Resp: 27124

Ion	Ratio	Lower	Upper
117	100		
82	57.2	46.7	70.1
119	31.6	26.5	39.7



Instrument :
MSVOA_N
ClientSampleId :
MW3

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Reviewed By :John Carlone 03/21/2025
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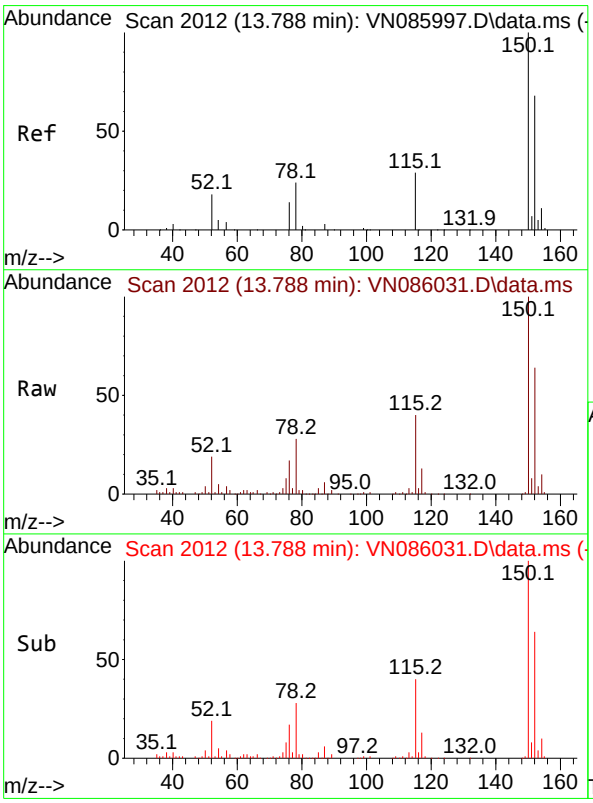
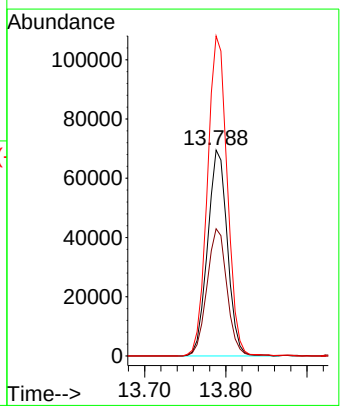
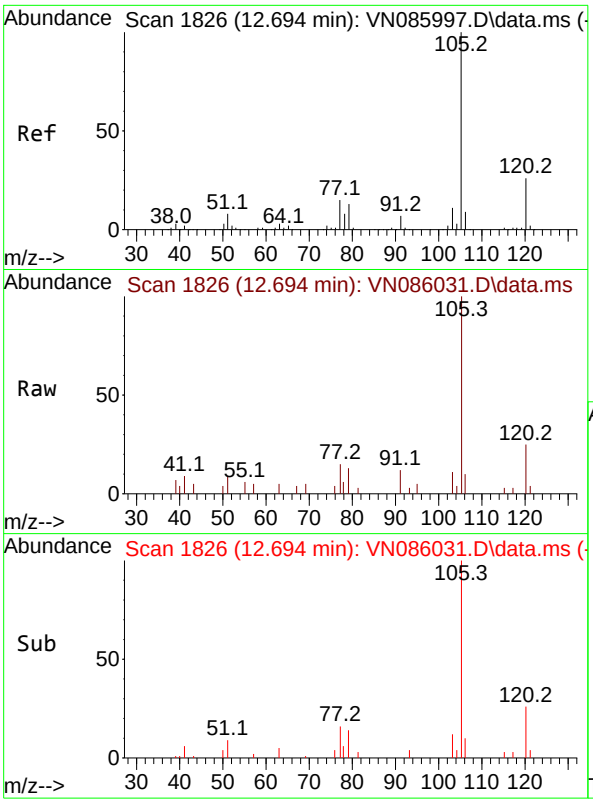


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:152 Resp: 117699

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.1	93.2
150	155.4	0.0	359.6





#73
Isopropylbenzene
Concen: 1.109 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:105 Resp: 891

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.0	39.0

Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
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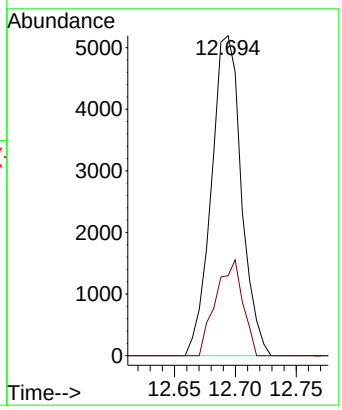
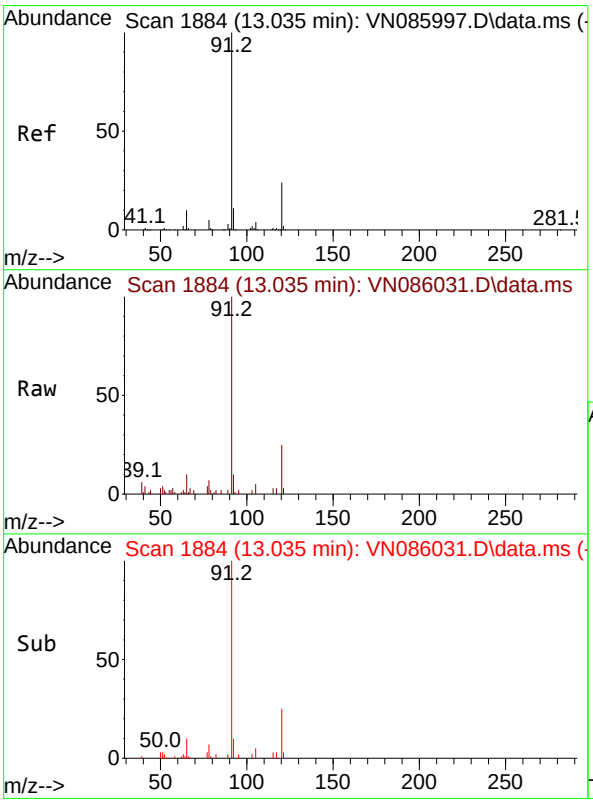
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

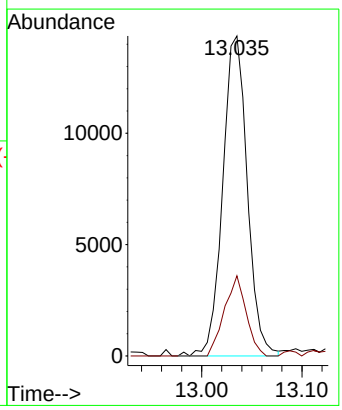


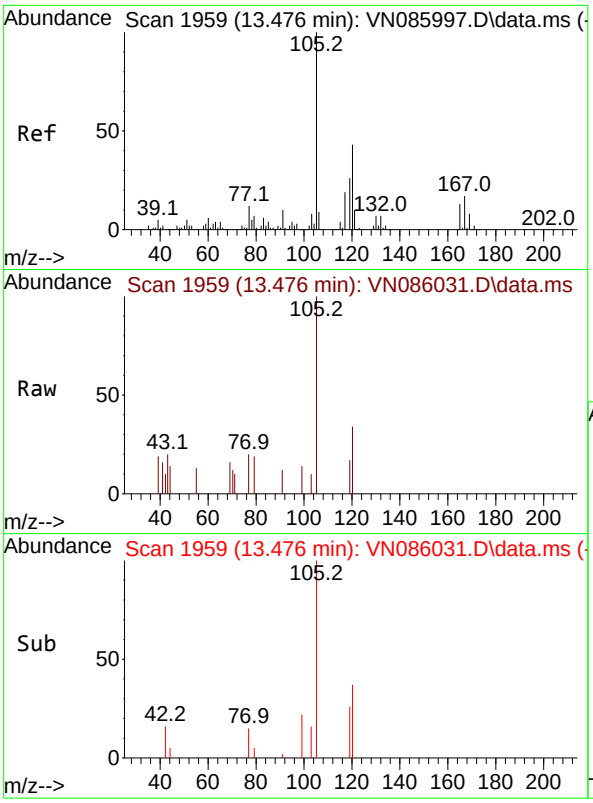


#78
n-propylbenzene
Concen: 2.686 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 91 Resp: 24449

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.7	35.0

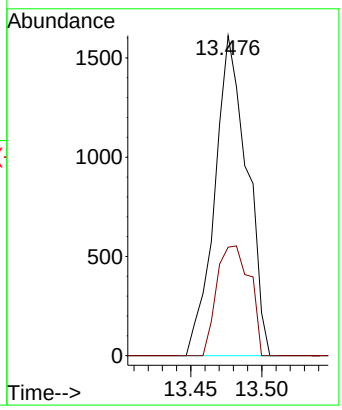




#84
1,2,4-Trimethylbenzene
Concen: 0.373 ug/l
RT: 13.476 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion:105 Resp: 255

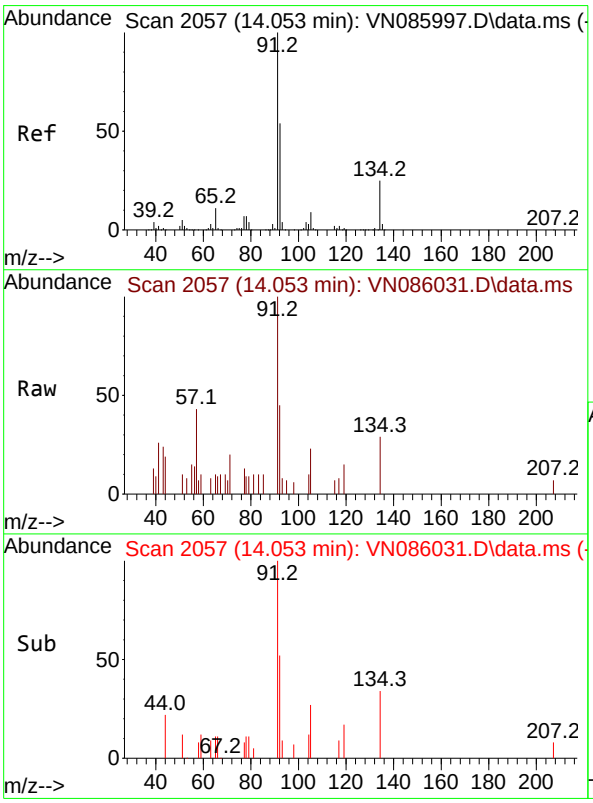
Ion	Ratio	Lower	Upper
105	100		
120	35.2	21.9	65.8



Instrument :
MSVOA_N
ClientSampleId :
MW3

Manual Integrations
APPROVED

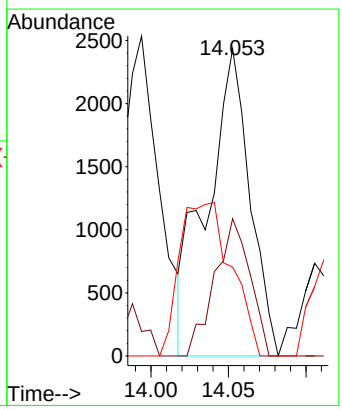
Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



#89
n-Butylbenzene
Concen: 0.897 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086031.D
Acq: 20 Mar 2025 17:57

Tgt Ion: 91 Resp: 4681

Ion	Ratio	Lower	Upper
91	100		
92	36.7	26.9	80.6
134	60.2	13.0	39.0#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086031.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.277	552	565	587	rBV3	30057	123091	3.94%	0.706%
2	7.224	884	896	907	rBV3	82395	235799	7.55%	1.352%
3	8.165	1046	1056	1060	rBV2	131227	310694	9.95%	1.781%
4	8.224	1060	1066	1074	rVV	228580	521160	16.69%	2.987%
5	8.324	1074	1083	1095	rVB	261555	623923	19.98%	3.576%
6	8.441	1095	1103	1110	rBV2	22150	45891	1.47%	0.263%
7	8.577	1117	1126	1135	rVB	132507	291991	9.35%	1.674%
8	8.759	1139	1157	1168	rVV	1326508	3123467	100.00%	17.904%
9	8.847	1168	1172	1184	rVB4	18250	42329	1.36%	0.243%
10	9.100	1206	1215	1224	rBV	324489	661781	21.19%	3.793%
11	9.588	1287	1298	1303	rBV3	133369	323968	10.37%	1.857%
12	9.641	1303	1307	1313	rVB	114691	205046	6.56%	1.175%
13	9.724	1313	1321	1328	rBV	106000	214313	6.86%	1.228%
14	10.012	1360	1370	1380	rBV	860561	1671251	53.51%	9.580%
15	10.141	1380	1392	1405	rBV	1416617	2841555	90.97%	16.288%
16	10.318	1414	1422	1439	rVB4	53583	156374	5.01%	0.896%
17	10.494	1444	1452	1457	rVV	155163	275565	8.82%	1.580%
18	10.565	1457	1464	1477	rVB	563156	1035778	33.16%	5.937%
19	10.741	1488	1494	1504	rVB7	20207	59323	1.90%	0.340%
20	10.912	1516	1523	1529	rBV5	19034	41108	1.32%	0.236%
21	11.006	1529	1539	1544	rBV6	41742	98377	3.15%	0.564%
22	11.170	1557	1567	1572	rBV	79313	152189	4.87%	0.872%
23	11.241	1572	1579	1592	rVB	479240	872156	27.92%	4.999%
24	11.865	1673	1685	1691	rBV	455241	856029	27.41%	4.907%
25	11.923	1691	1695	1700	rVB2	20737	35371	1.13%	0.203%
26	12.106	1721	1726	1732	rBV3	24374	37425	1.20%	0.215%
27	12.570	1797	1805	1816	rVV7	12867	34811	1.11%	0.200%
28	12.847	1838	1852	1860	rVV2	397412	805629	25.79%	4.618%
29	12.988	1871	1876	1879	rVV4	23945	47791	1.53%	0.274%
30	13.029	1879	1883	1890	rVB	31383	57295	1.83%	0.328%
31	13.188	1902	1910	1916	rBV7	15151	37213	1.19%	0.213%
32	13.423	1939	1950	1957	rBV	31920	56607	1.81%	0.324%
33	13.641	1974	1987	1996	rVV4	50586	117397	3.76%	0.673%
34	13.788	2002	2012	2017	rBV	420361	724389	23.19%	4.152%
35	13.835	2017	2020	2030	rVB	65481	121317	3.88%	0.695%
36	13.947	2035	2039	2043	rBV2	24165	35184	1.13%	0.202%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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\82N031825W.M
Title : SW846 8260

37	13.994	2043	2047	2052	rBV3	53592	89683	2.87%	0.514%
38	14.123	2063	2069	2074	rBV6	21213	46478	1.49%	0.266%
39	14.264	2085	2093	2098	rBV7	21073	52582	1.68%	0.301%
40	14.329	2098	2104	2110	rVB3	43156	76467	2.45%	0.438%
41	14.441	2117	2123	2128	rVV2	31079	53925	1.73%	0.309%
42	14.623	2149	2154	2156	rBV2	37539	58255	1.87%	0.334%
43	14.735	2167	2173	2181	rBV4	25028	59514	1.91%	0.341%
44	14.923	2200	2205	2210	rBV4	20124	37041	1.19%	0.212%
45	15.047	2216	2226	2232	rVB7	25576	77652	2.49%	0.445%

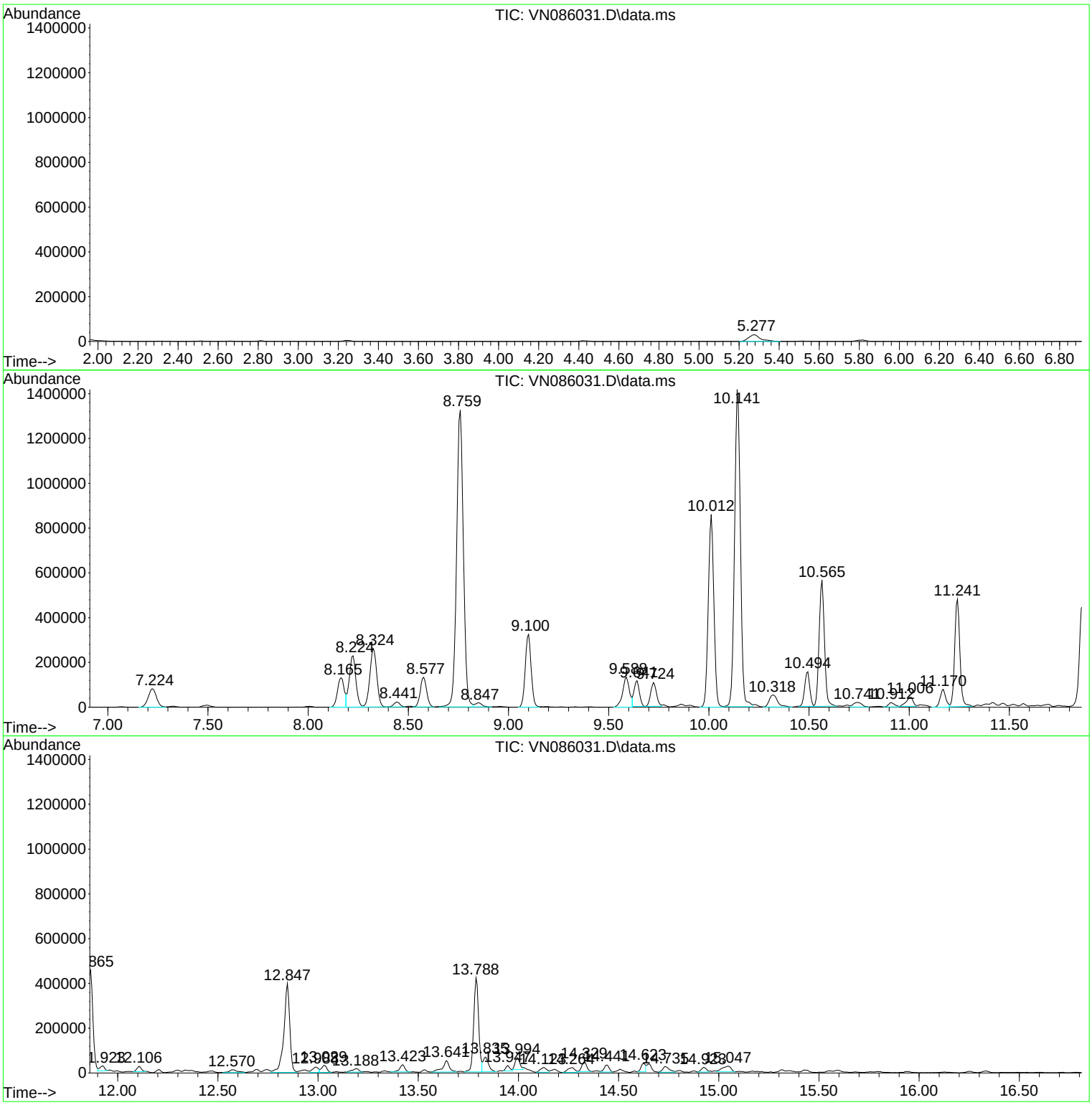
Sum of corrected areas: 17445184

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



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Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

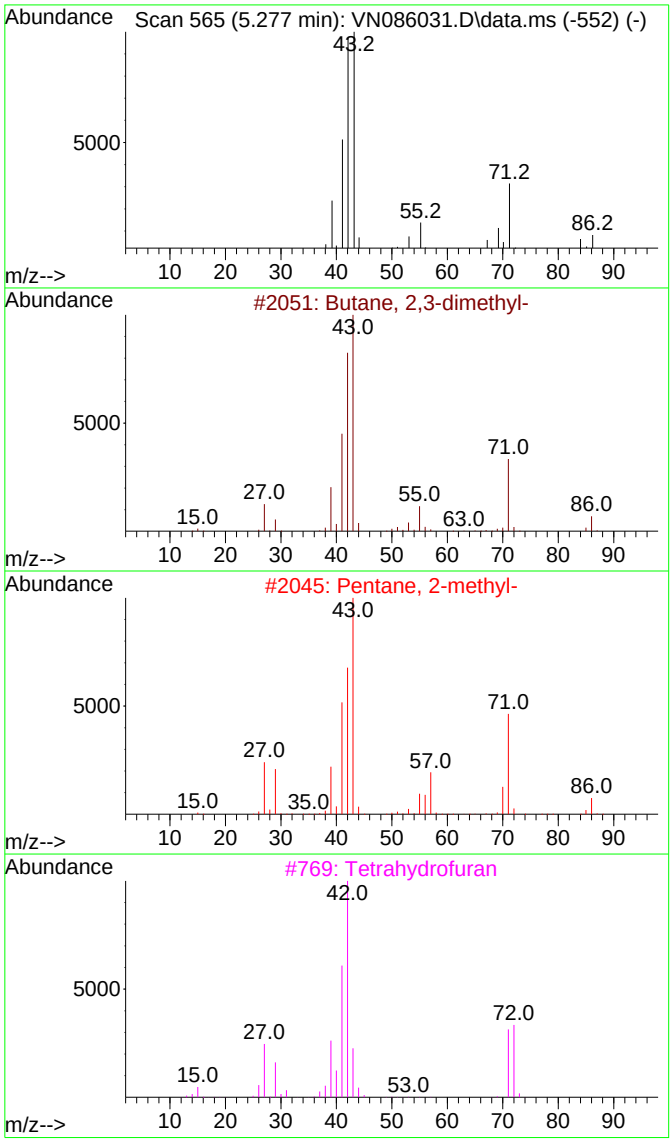
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

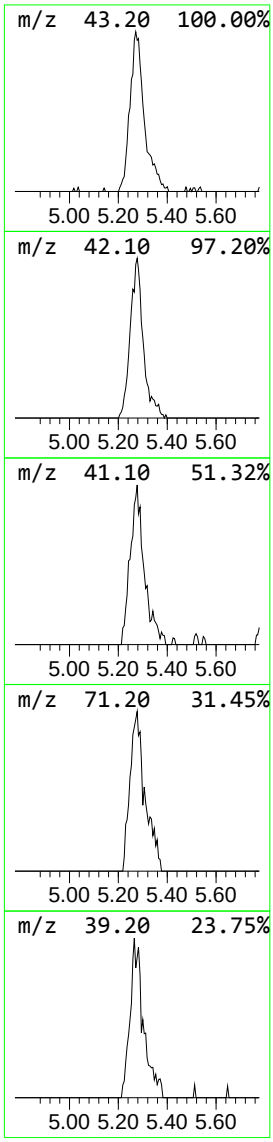
****

Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.277	11.81 ug/l	123091	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
3	Tetrahydrofuran	72	C4H8O	000109-99-9	33
4	1-Pentene	70	C5H10	000109-67-1	28
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	17





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Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

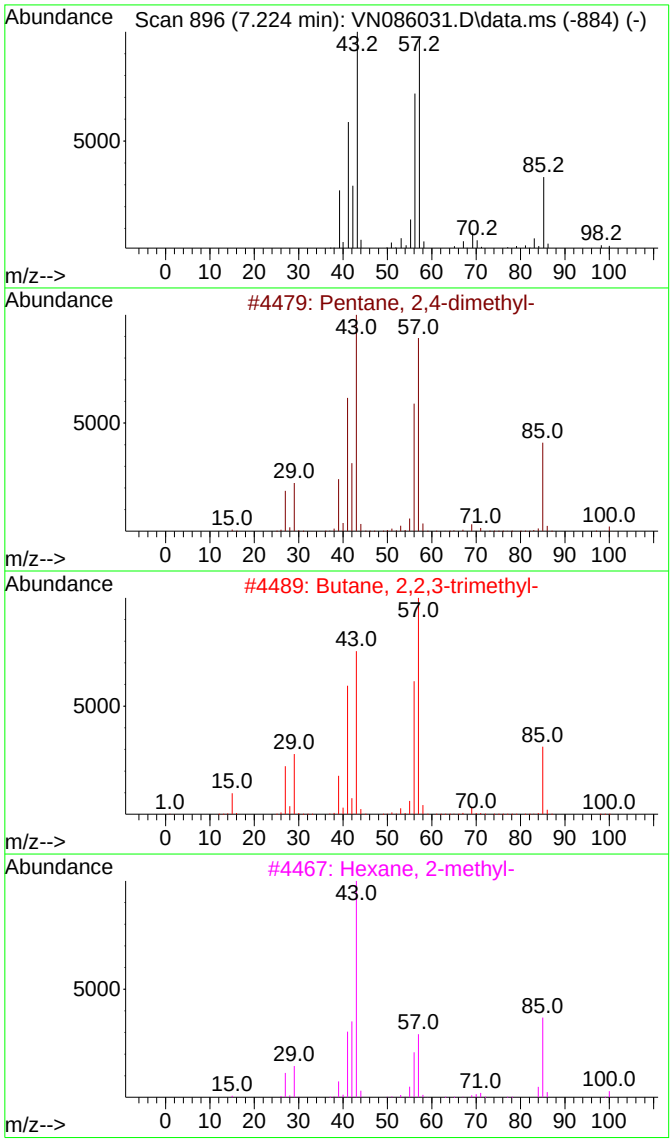
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

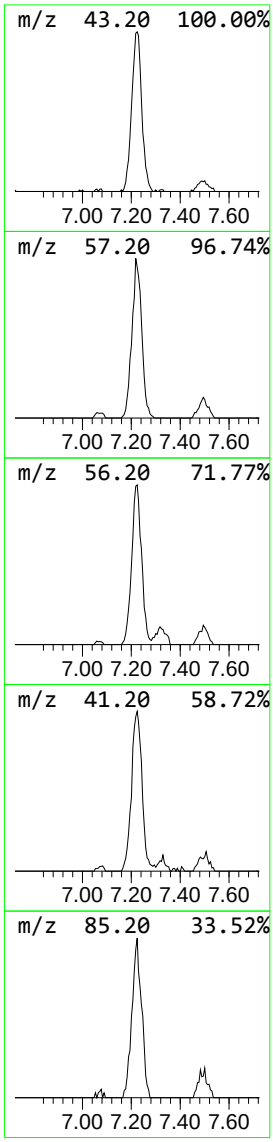
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pentane, 2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.224	22.62 ug/l	235799	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	64
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	53





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Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

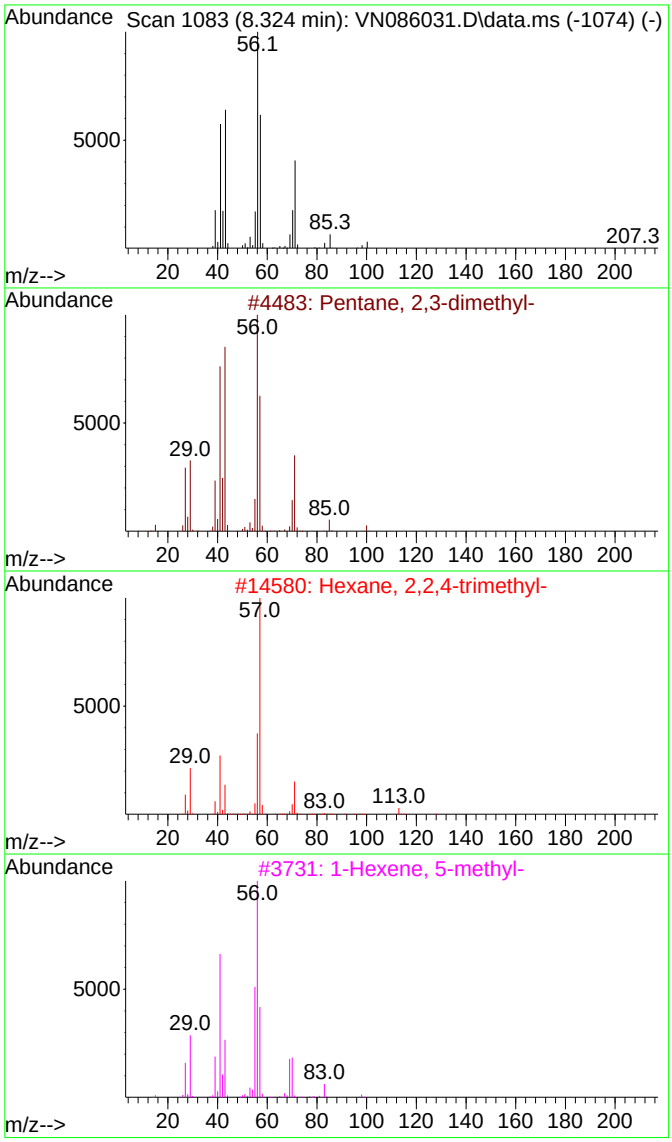
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

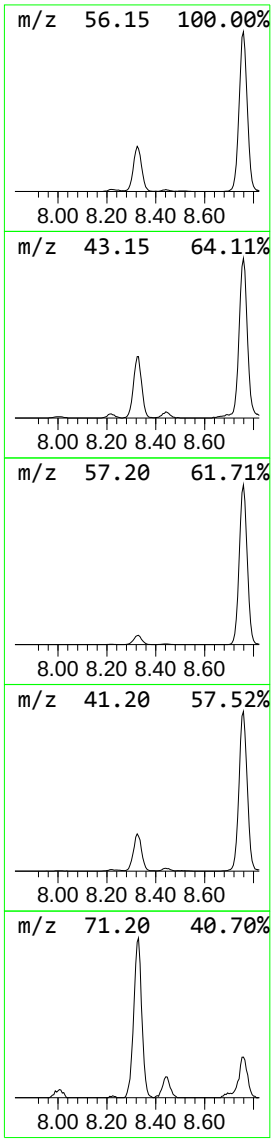
****

Peak Number 3 Pentane, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.324	59.86 ug/l	623923	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	56
3	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	50
4	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	43
5	Heptane	100	C7H16	000142-82-5	43





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Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

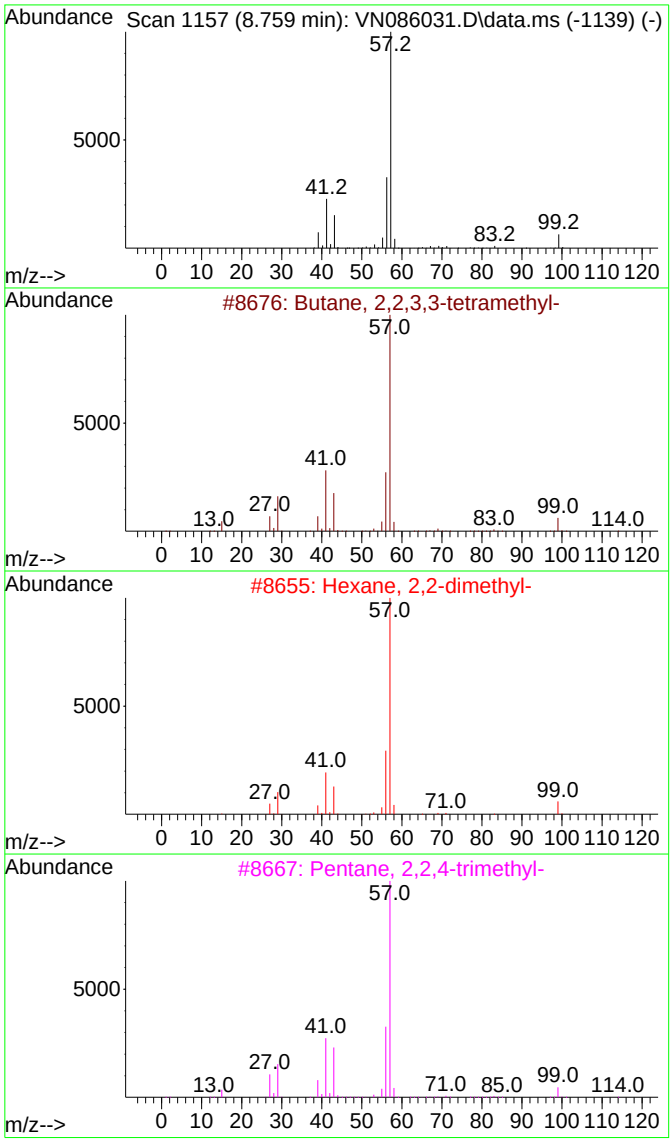
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

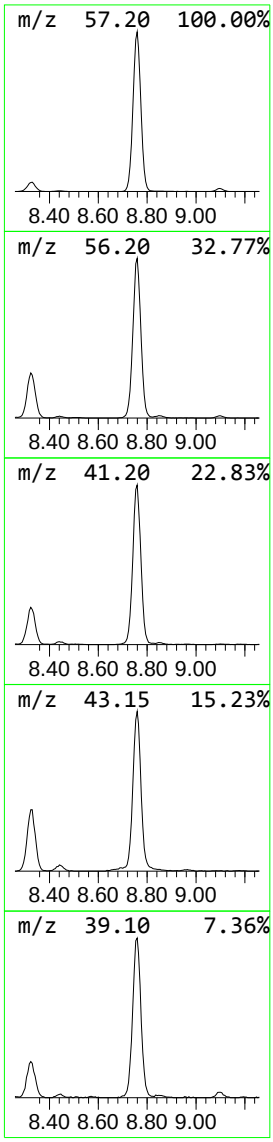
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Butane, 2,2,3,3-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.759	235.99 ug/l	3123470	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	78
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	64





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Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

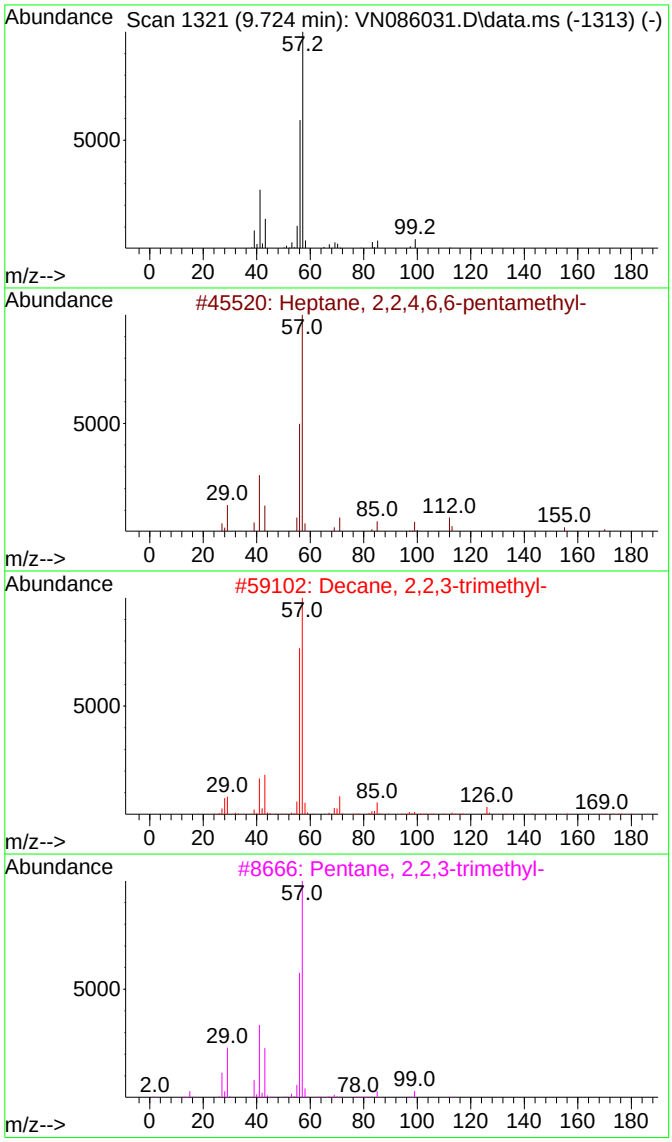
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

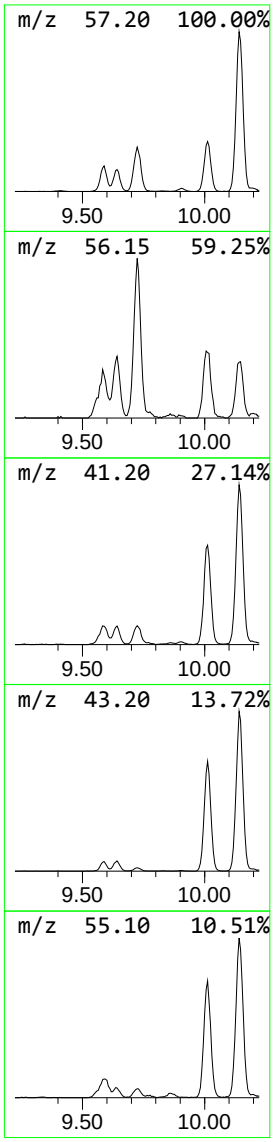
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptane, 2,2,4,6,6-pentamet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.724	16.19 ug/l	214313	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
2	Decane, 2,2,3-trimethyl-	184	C13H28	062338-09-4	72
3	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	72
4	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	64
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	59





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Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

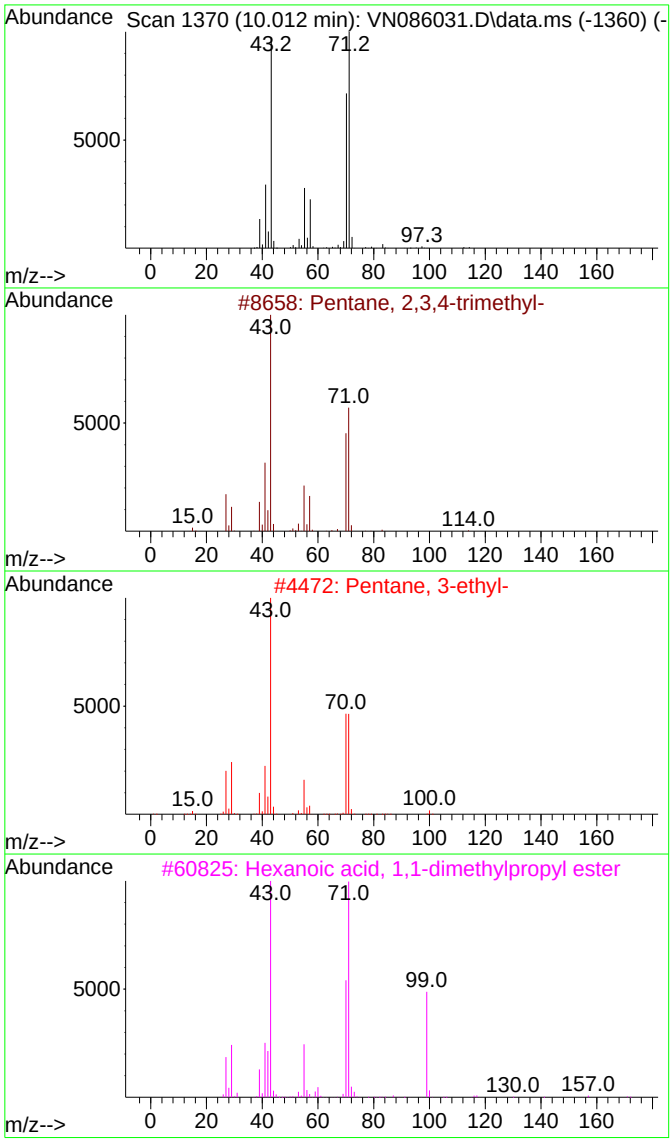
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

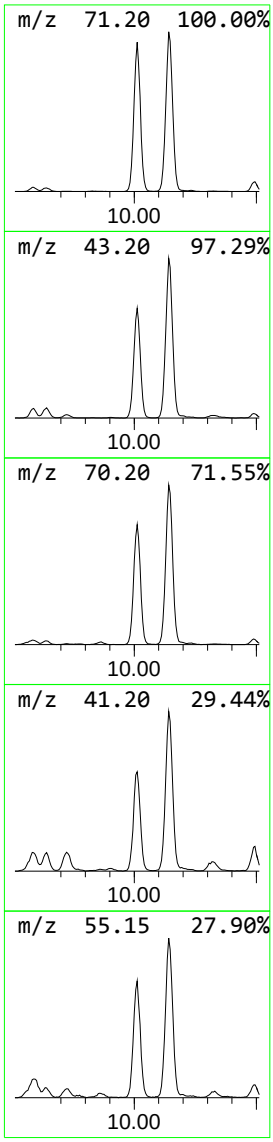
****

Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.012	126.27 ug/l	1671250	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3	Hexanoic acid, 1,1-dimethylpropy...	186	C11H22O2	116423-69-9	83
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
5	Heptane, 3,3,4-trimethyl-	142	C10H22	020278-87-9	78





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Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

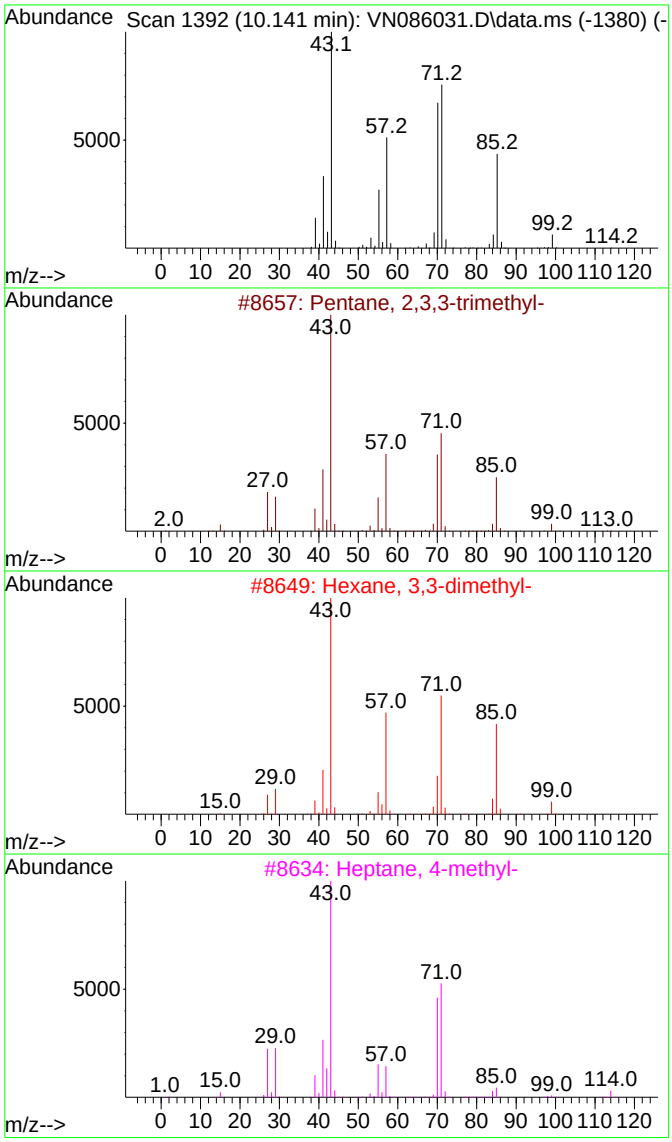
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

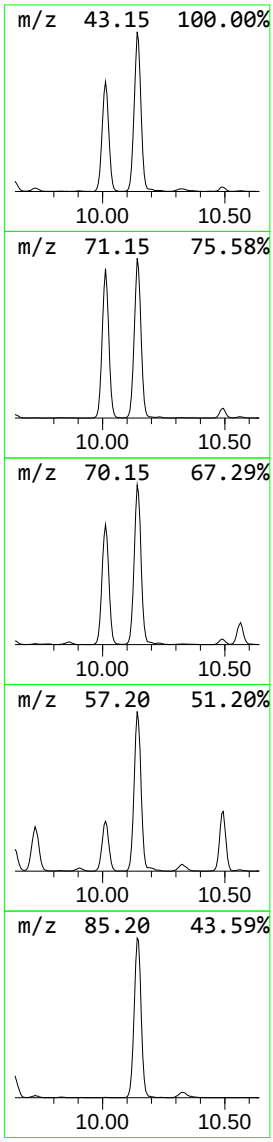
****

Peak Number 7 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.141	214.69 ug/l	2841560	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	59
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	58
5	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	56





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Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

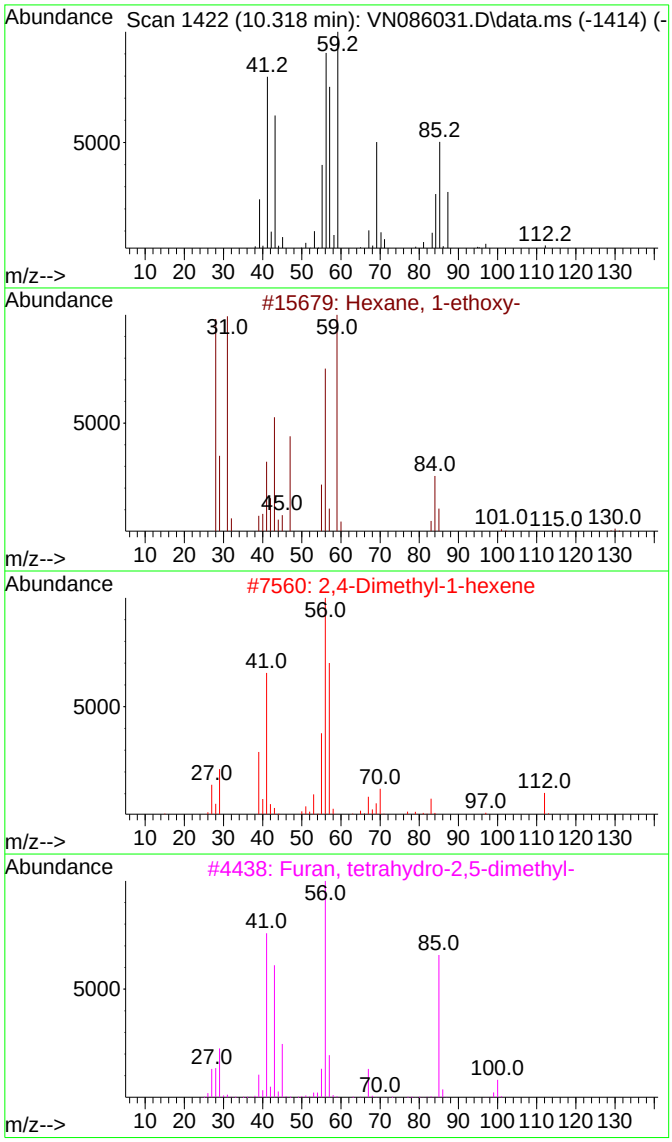
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

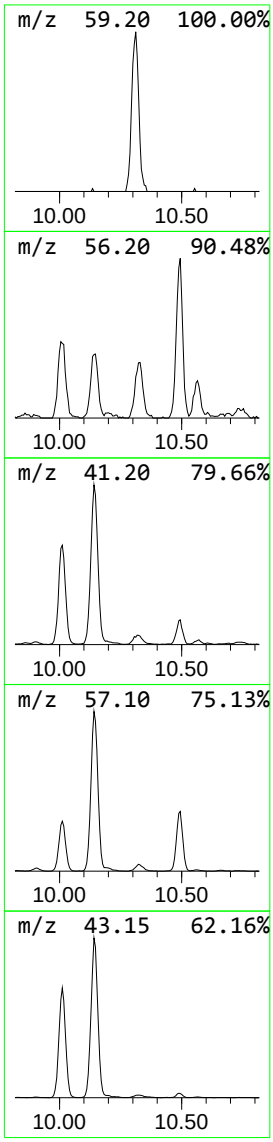
****

Peak Number 8 unknown10.318 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.318	11.81 ug/l	156374	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-ethoxy-	130	C8H18O	005756-43-4	42
2	2,4-Dimethyl-1-hexene	112	C8H16	016746-87-5	38
3	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	35
4	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	32
5	Butanoic acid, 3-hydroxy-3-methyl-	118	C5H10O3	000625-08-1	27





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Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

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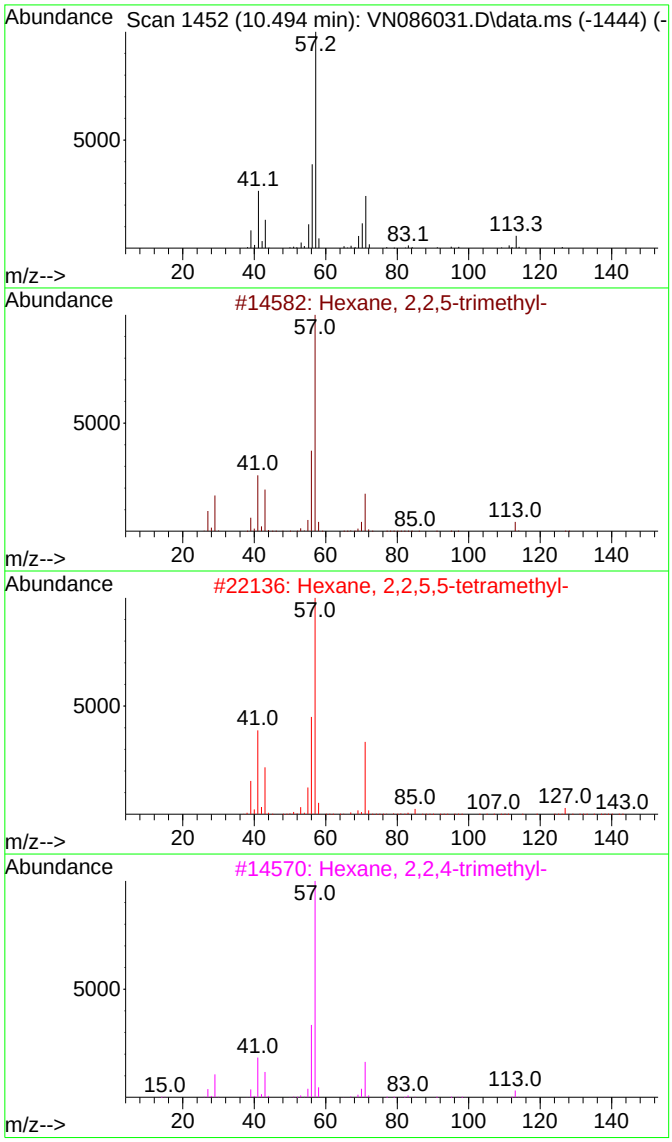
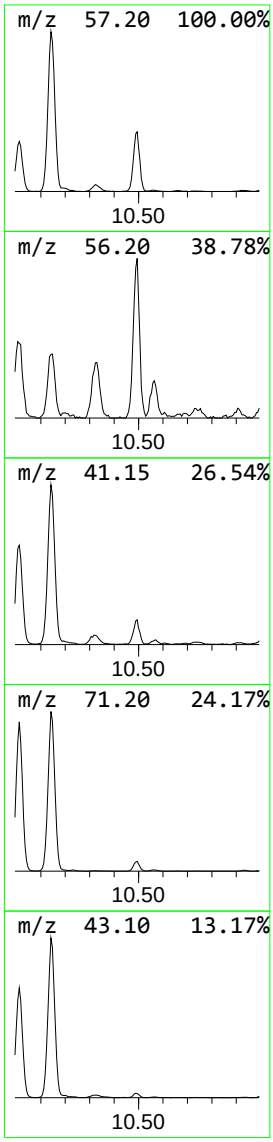
Peak Number 9 Hexane, 2,2,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.494	16.10 ug/l	275565	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	64
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	64
5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59





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Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

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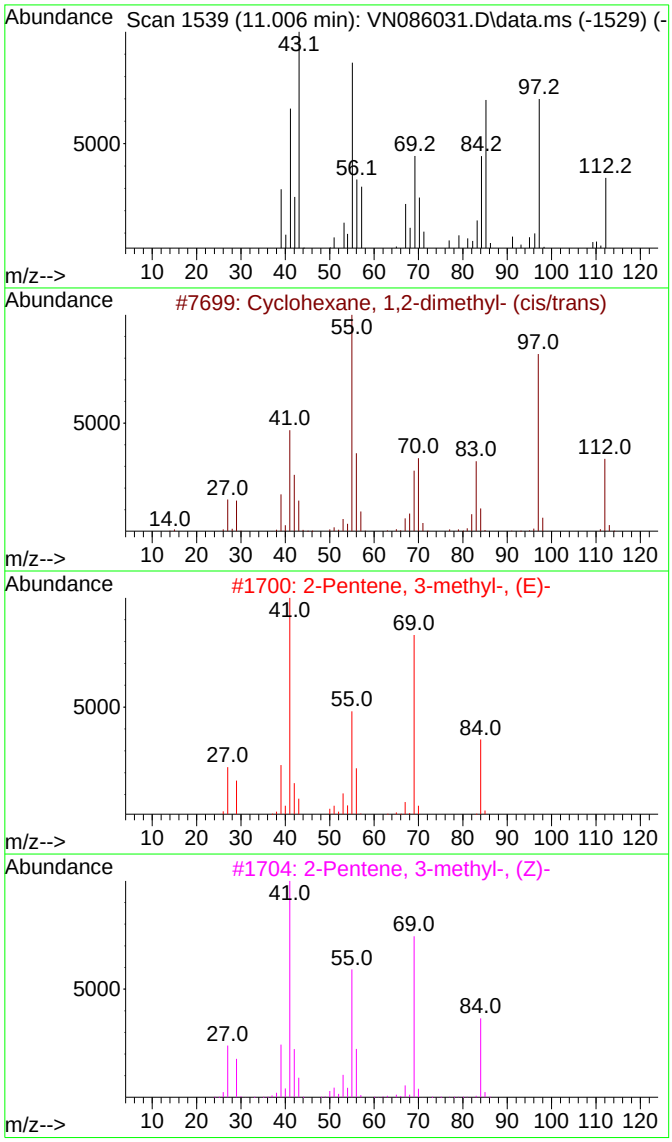
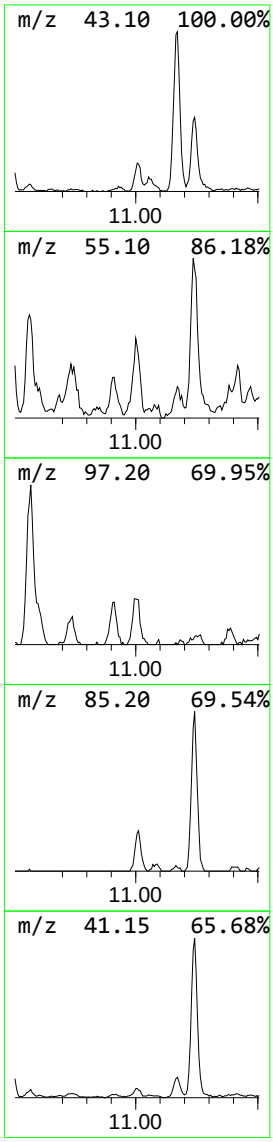
Peak Number 10 unknown11.006 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.006	5.75 ug/l	98377	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	49
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	38
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	35
4	4-Octene, (E)-	112	C8H16	014850-23-8	30
5	Pyrrolidine, 3-methyl-	85	C5H11N	034375-89-8	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
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Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

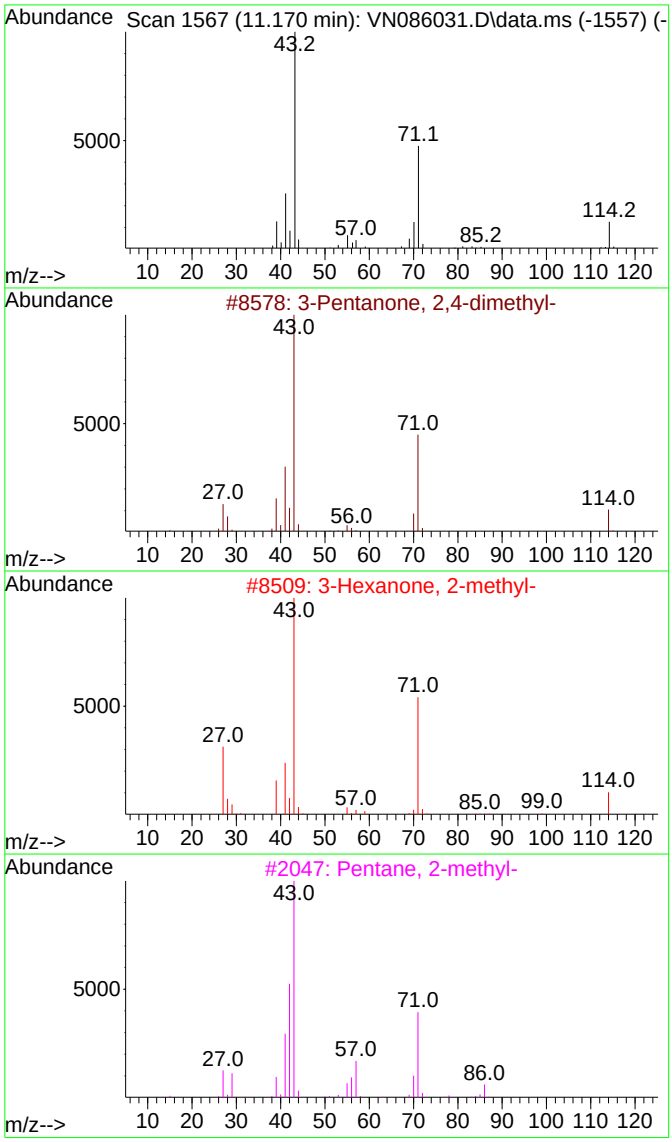
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

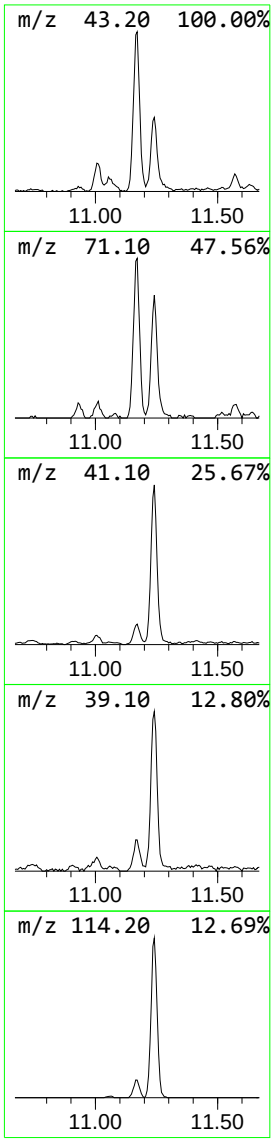
****

Peak Number 11 3-Pentanone, 2,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.171	8.89 ug/l	152189	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	74
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	59
4	2,3-Hexanedione	114	C6H10O2	003848-24-6	53
5	1-Hydroxy-3-methyl-2-butanone	102	C5H10O2	036960-22-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

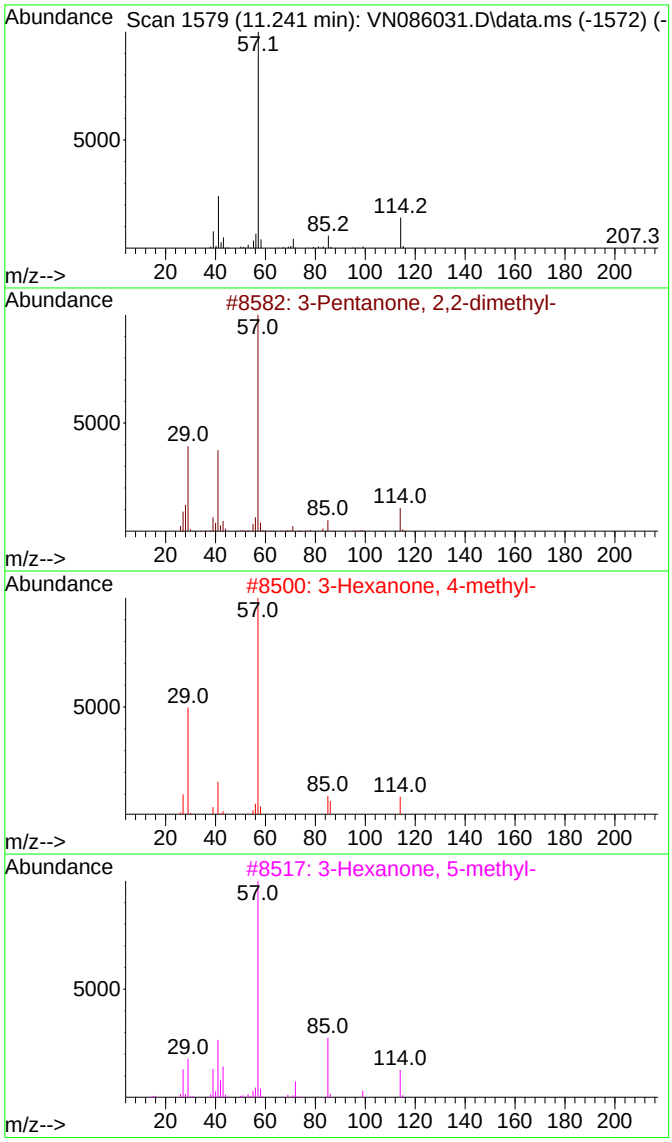
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

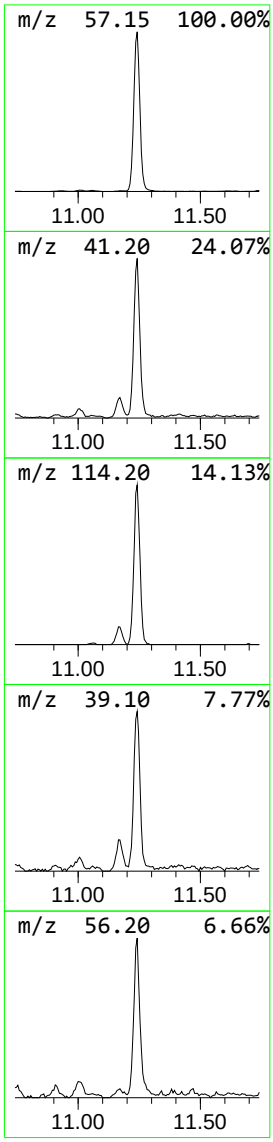
****

Peak Number 12 3-Pentanone, 2,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.241	50.94 ug/l	872156	Chlorobenzene-d5	11.865

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,2-dimethyl-	114	C7H14O	000564-04-5	80
2	3-Hexanone, 4-methyl-	114	C7H14O	017042-16-9	53
3	3-Hexanone, 5-methyl-	114	C7H14O	000623-56-3	53
4	3,4-Hexanedione	114	C6H10O2	004437-51-8	52
5	3-Heptanone	114	C7H14O	000106-35-4	50





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Data File : VN086031.D
Acq On    : 20 Mar 2025  17:57
Operator  : JC\MD
Sample    : Q1575-01
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title  : SW846 8260

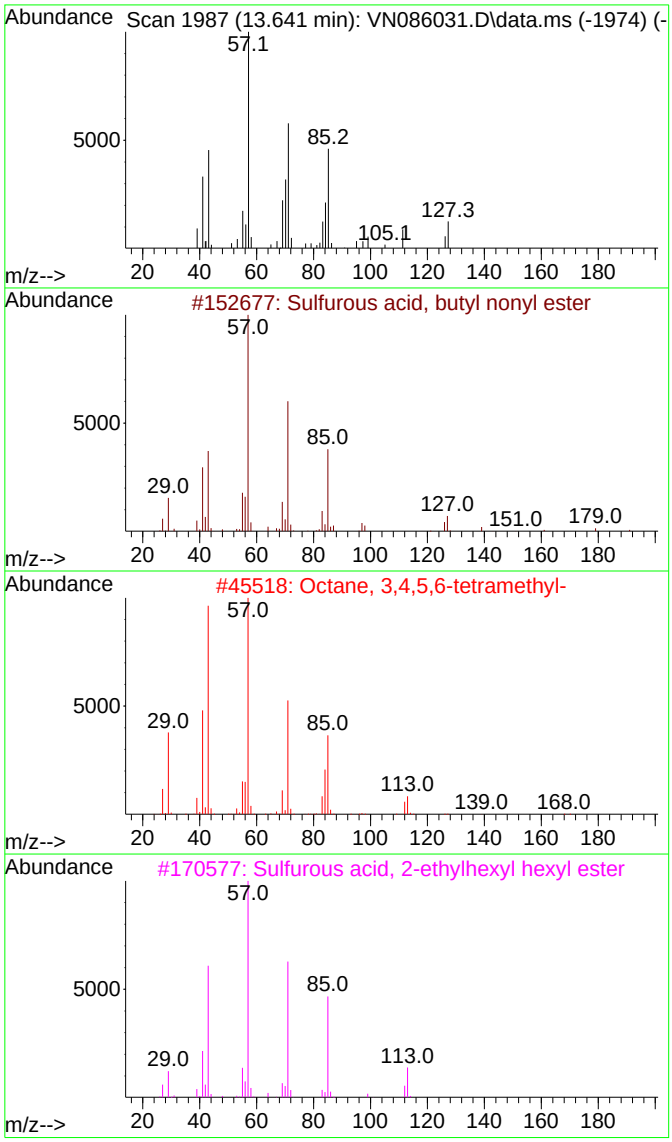
TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

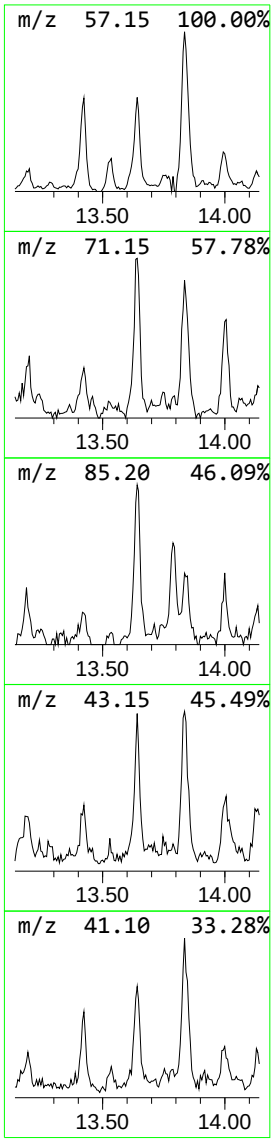
Instrument :
MSVOA_N
ClientSampleId :
MW3

Peak Number 13 Sulfurous acid, butyl nonyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.641	8.10 ug/l	117397	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	59
2	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	53
3	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	50
4	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	47
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

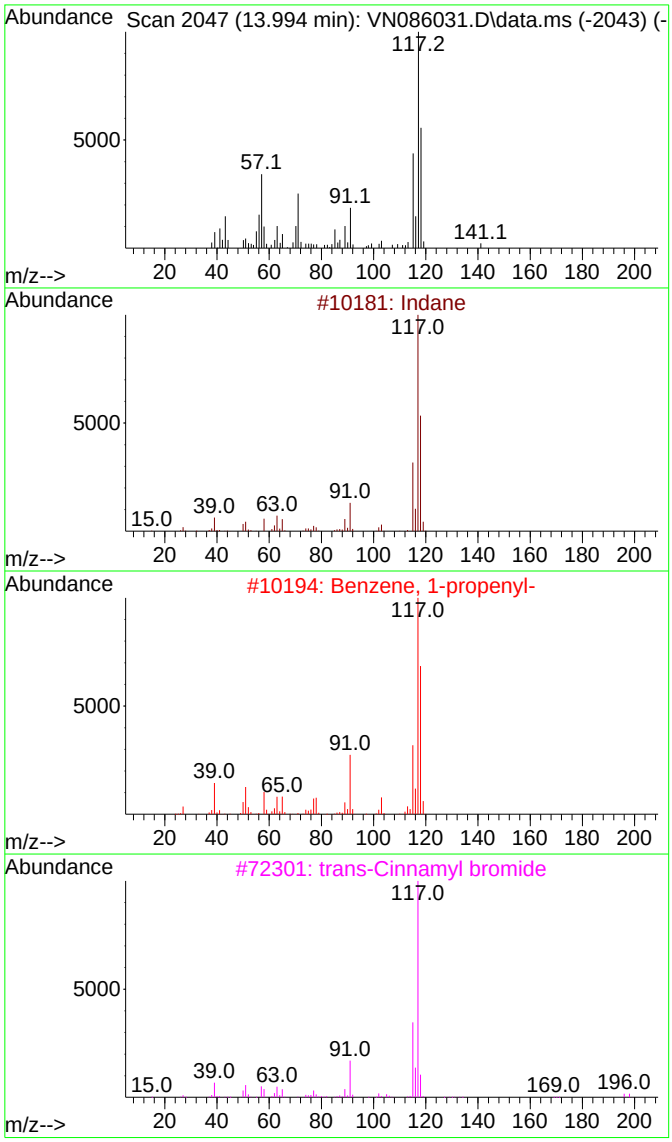
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

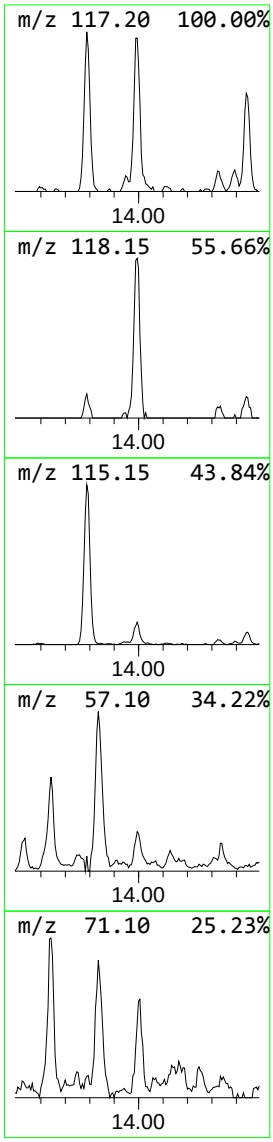
****

Peak Number 14 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	6.19 ug/l	89683	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	52
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	50
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	49
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

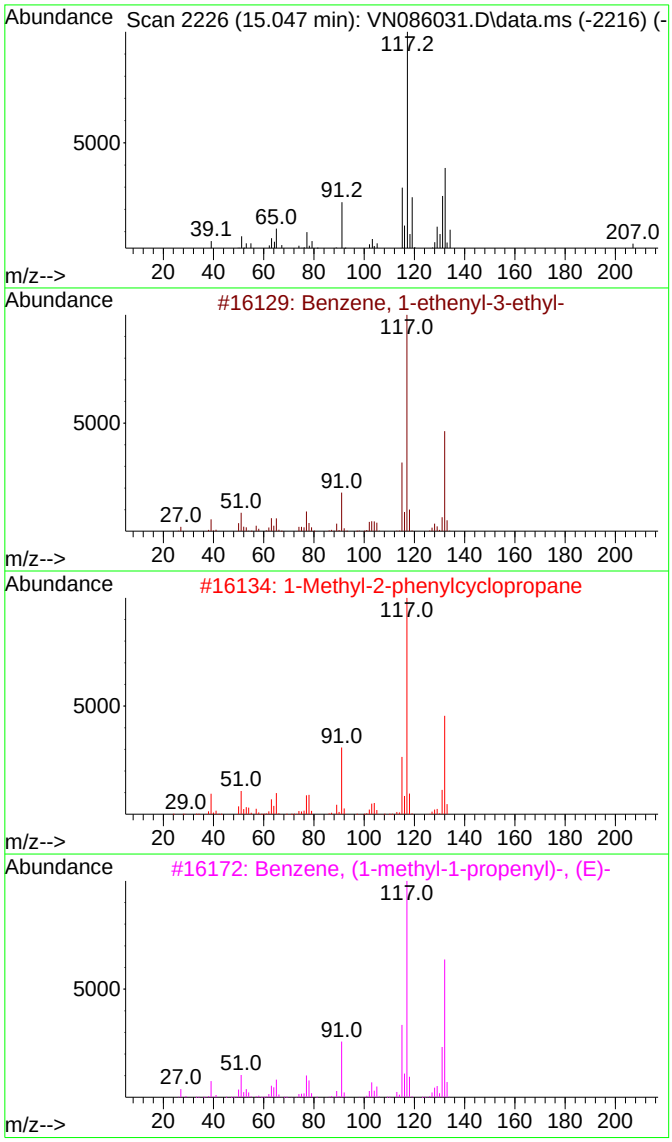
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

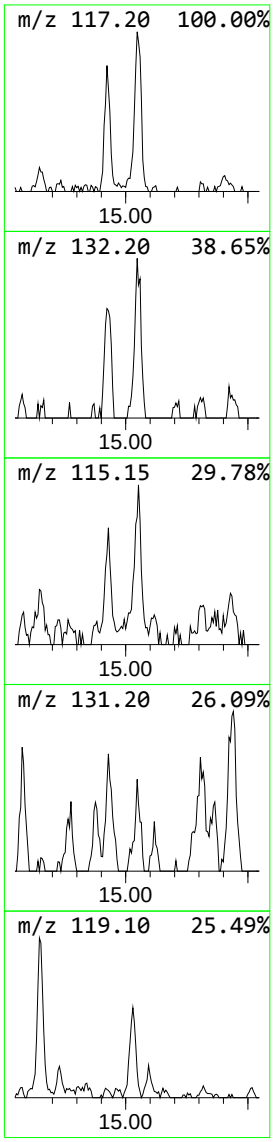
****

Peak Number 15 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.047	5.36 ug/l	77652	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	92
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	76
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	76
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086031.D
Acq On : 20 Mar 2025 17:57
Operator : JC\MD
Sample : Q1575-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2,3-dim...	5.277	11.8	ug/l	123091	1	8.224	521160	50.0
Pentane, 2,4-di...	7.224	22.6	ug/l	235799	1	8.224	521160	50.0
Pentane, 2,3-di...	8.324	59.9	ug/l	623923	1	8.224	521160	50.0
Butane, 2,2,3,3...	8.759	236.0	ug/l	3123470	2	9.100	661781	50.0
Heptane, 2,2,4,...	9.724	16.2	ug/l	214313	2	9.100	661781	50.0
Pentane, 2,3,4-...	10.012	126.3	ug/l	1671250	2	9.100	661781	50.0
Pentane, 2,3,3-...	10.141	214.7	ug/l	2841560	2	9.100	661781	50.0
unknown10.318	10.318	11.8	ug/l	156374	2	9.100	661781	50.0
Hexane, 2,2,5-t...	10.494	16.1	ug/l	275565	3	11.865	856029	50.0
unknown11.006	11.006	5.8	ug/l	98377	3	11.865	856029	50.0
3-Pentanone, 2,...	11.171	8.9	ug/l	152189	3	11.865	856029	50.0
3-Pentanone, 2,...	11.241	50.9	ug/l	872156	3	11.865	856029	50.0
Sulfurous acid,...	13.641	8.1	ug/l	117397	4	13.788	724389	50.0
Indane	13.994	6.2	ug/l	89683	4	13.788	724389	50.0
Benzene, 1-ethe...	15.047	5.4	ug/l	77652	4	13.788	724389	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

Quant Time: Mar 21 02:47:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

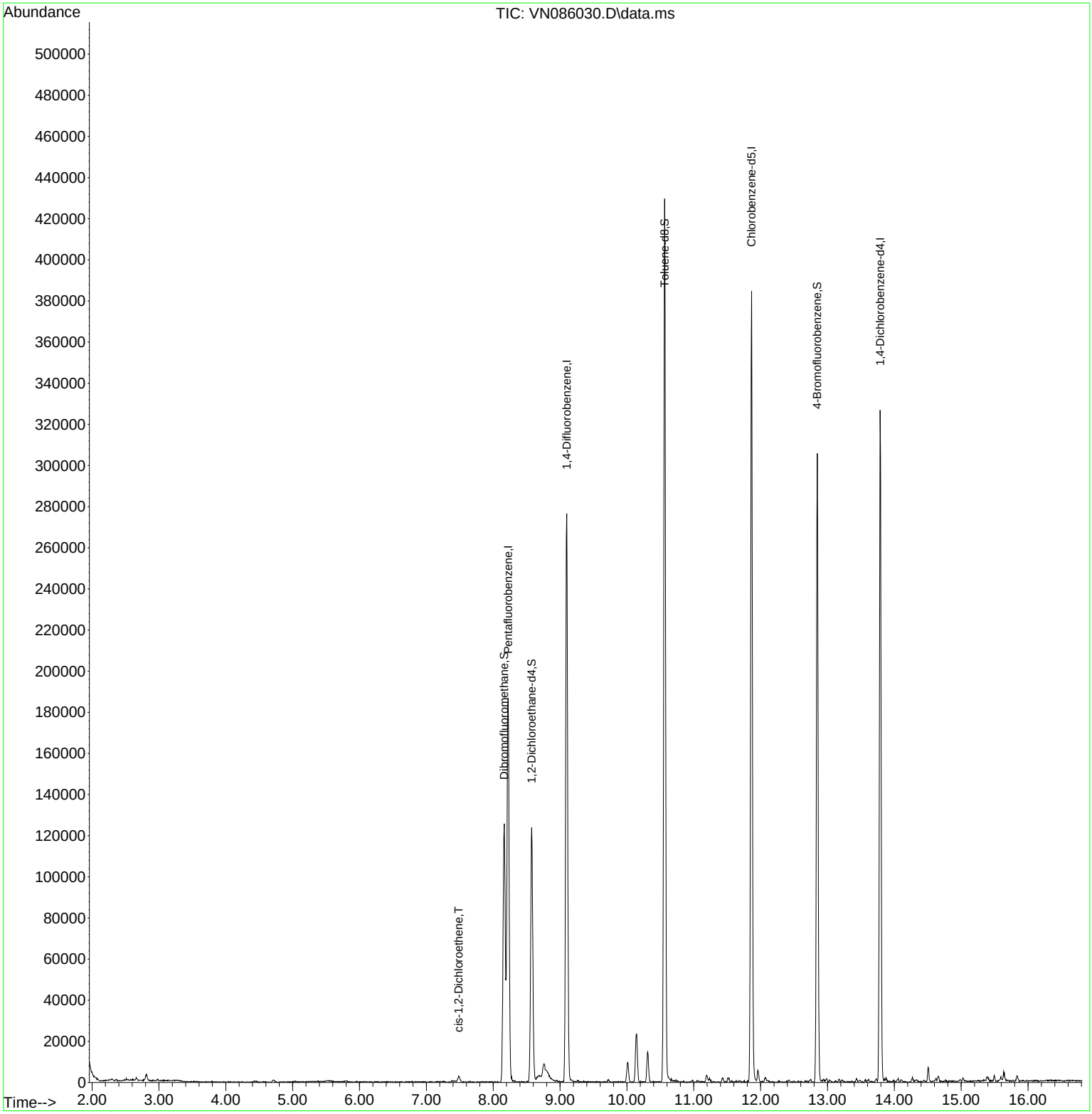
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	138616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	92285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104495	55.052	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.100%			
35) Dibromofluoromethane	8.165	113	89735	52.911	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.820%			
50) Toluene-d8	10.565	98	306504	49.796	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.600%			
62) 4-Bromofluorobenzene	12.847	95	110086	50.150	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.300%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.483	96	1966	1.115	ug/l	87

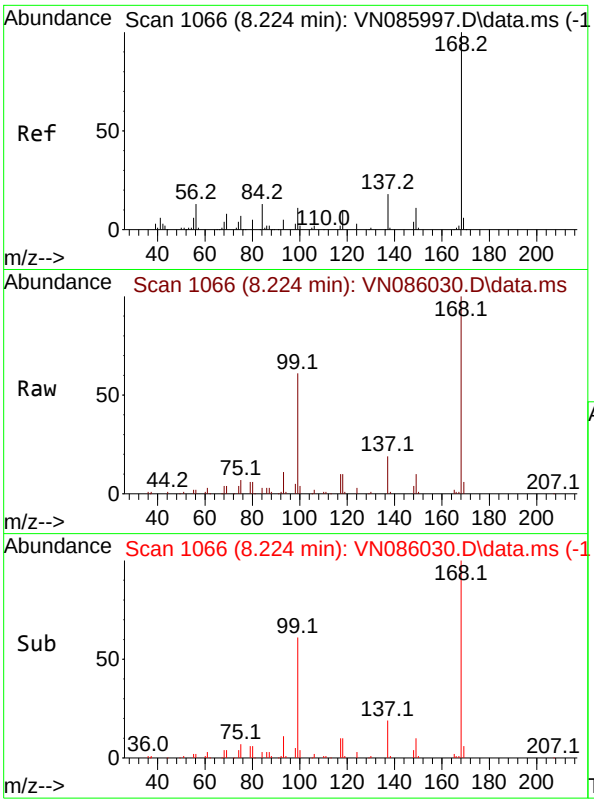
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

Quant Time: Mar 21 02:47:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



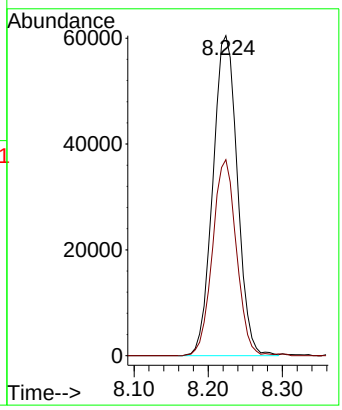


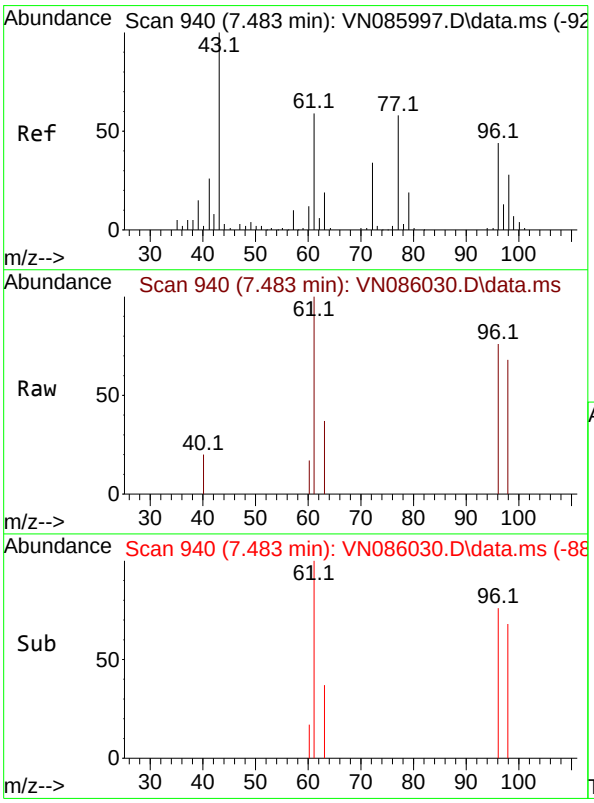
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion:168 Resp: 138616

Ion	Ratio	Lower	Upper
168	100		
99	61.3	49.4	74.2

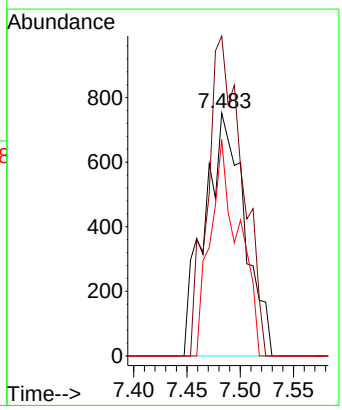


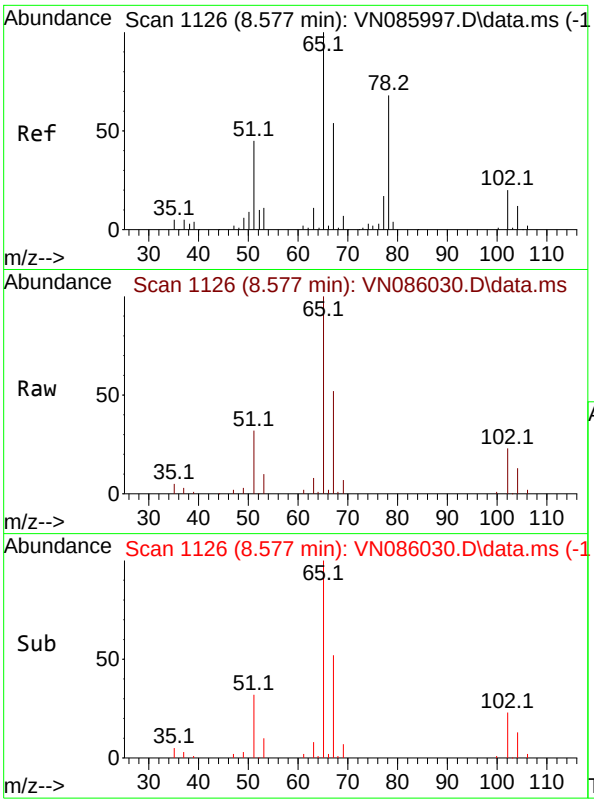


#27
cis-1,2-Dichloroethene
Concen: 1.115 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Tgt Ion: 96 Resp: 1966

Ion	Ratio	Lower	Upper
96	100		
61	114.4	0.0	272.8
98	63.5	0.0	124.8



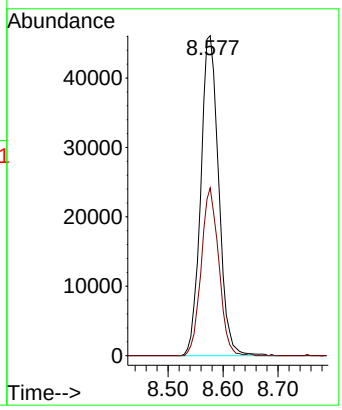


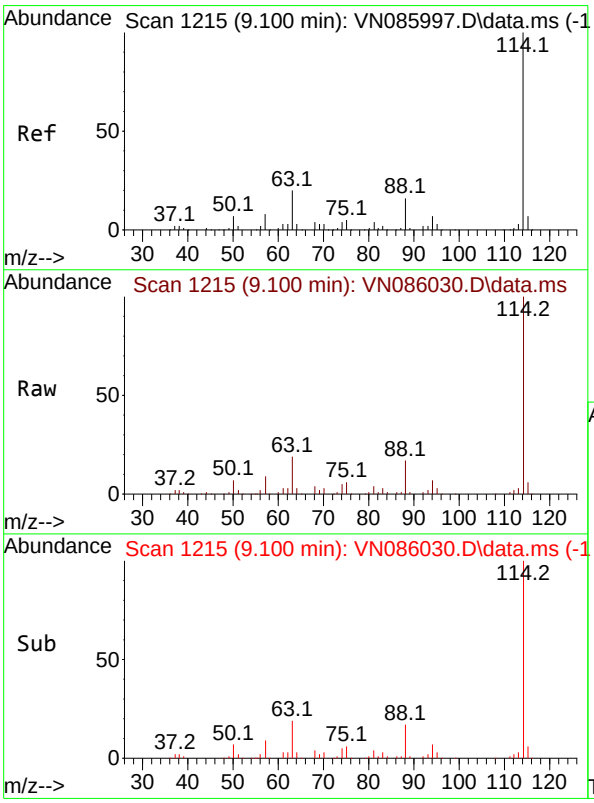
#33
1,2-Dichloroethane-d4
Concen: 55.052 ug/l
RT: 8.577 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion: 65 Resp: 104495

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	102.2

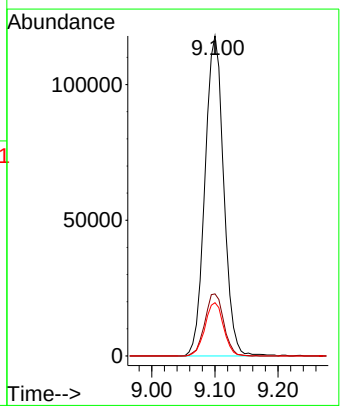


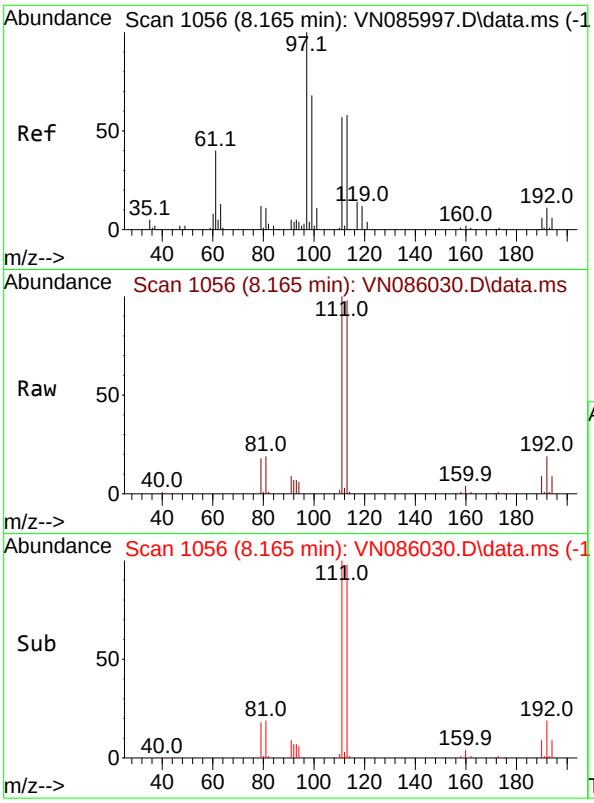


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Tgt Ion:114 Resp: 242981

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	16.6	0.0	32.6



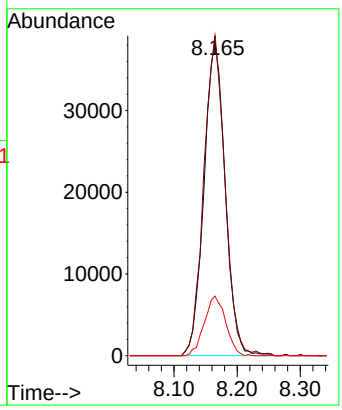


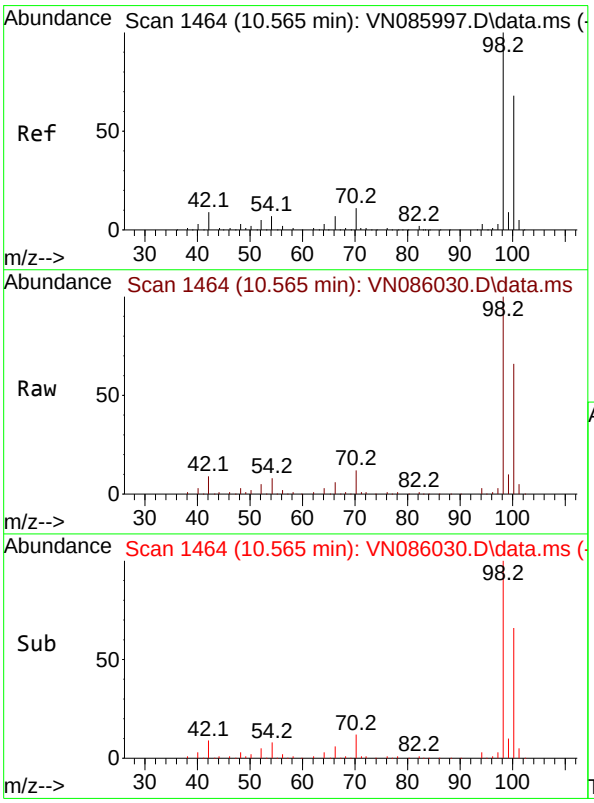
#35
Dibromofluoromethane
Concen: 52.911 ug/l
RT: 8.165 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion:113 Resp: 89735

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.8
192	19.1	15.9	23.9

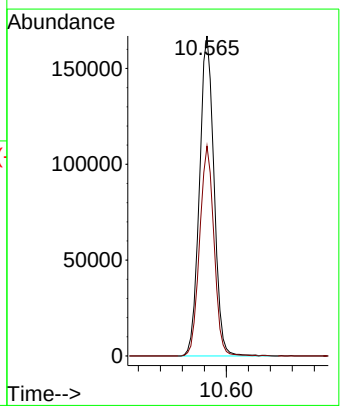


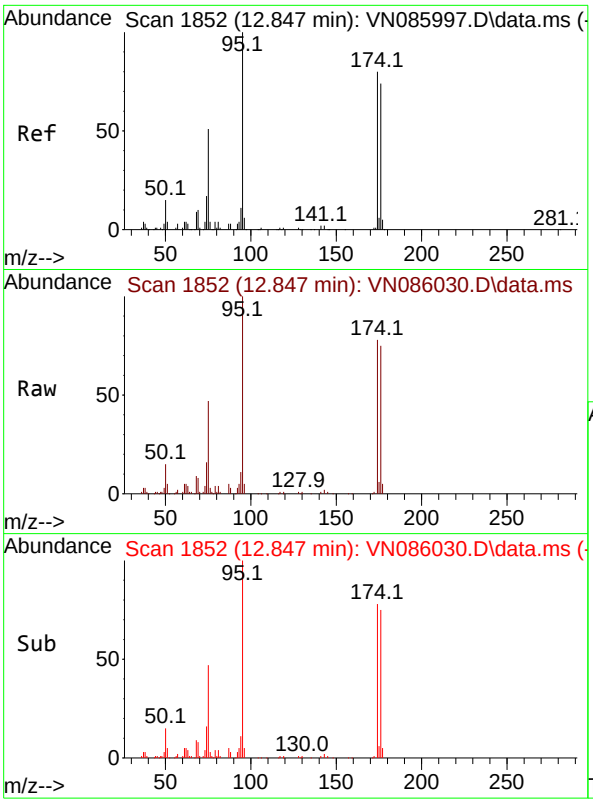


#50
Toluene-d8
Concen: 49.796 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Tgt Ion: 98 Resp: 306504

Ion	Ratio	Lower	Upper
98	100		
100	64.7	53.1	79.7



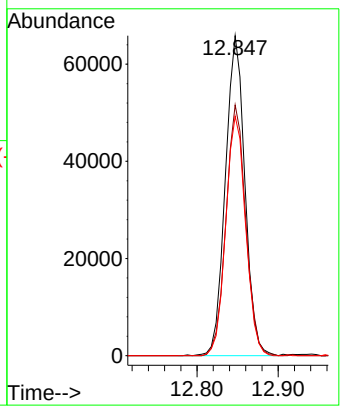


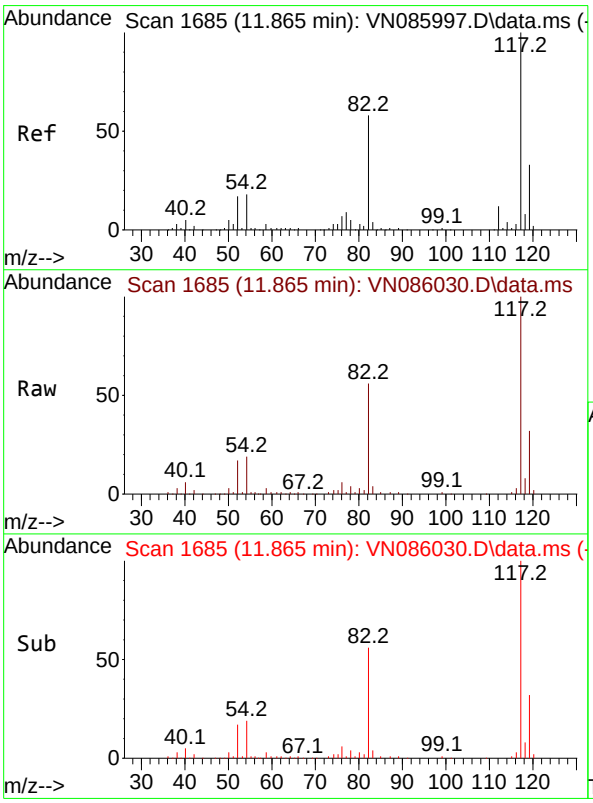
#62
4-Bromofluorobenzene
Concen: 50.150 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion: 95 Resp: 110086

Ion	Ratio	Lower	Upper
95	100		
174	79.2	0.0	156.8
176	76.0	0.0	152.2

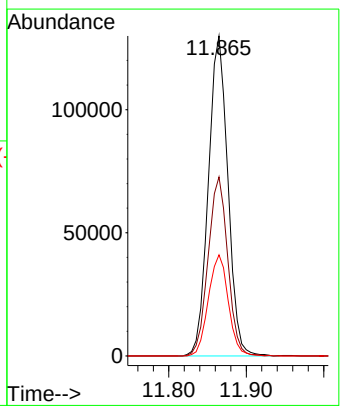


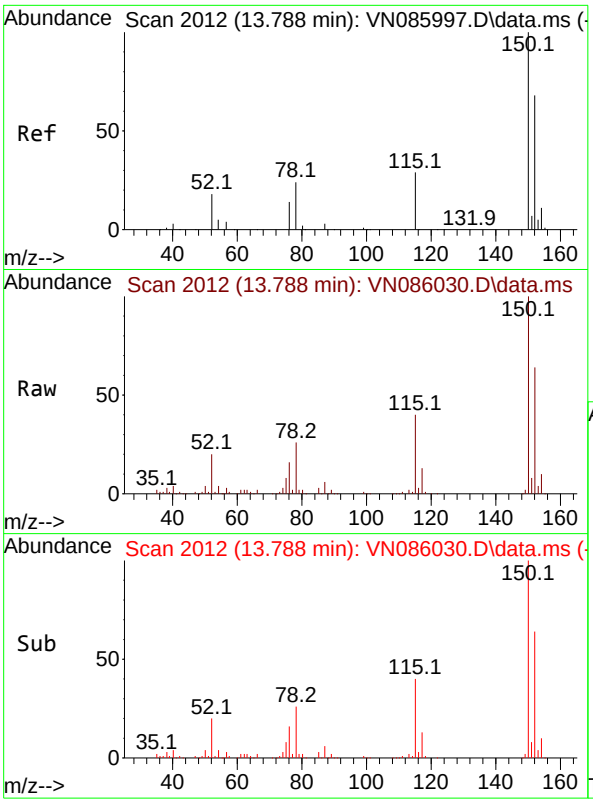


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Tgt Ion:117 Resp: 226759

Ion	Ratio	Lower	Upper
117	100		
82	56.0	46.7	70.1
119	31.6	26.5	39.7



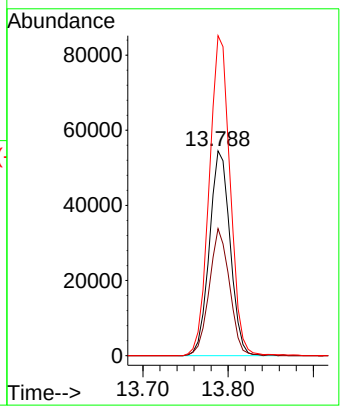


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086030.D
Acq: 20 Mar 2025 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion:152 Resp: 92285

Ion	Ratio	Lower	Upper
152	100		
115	60.6	31.1	93.2
150	157.6	0.0	359.6



Sample Results: **VN086030.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

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\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086030.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.483	934	940	949	rVB3	3149	7909	1.01%	0.187%
2	8.165	1046	1056	1060	rBV	125703	287377	36.61%	6.800%
3	8.224	1060	1066	1078	rVB	186438	429655	54.73%	10.167%
4	8.577	1117	1126	1137	rBV	123721	278172	35.44%	6.582%
5	8.759	1151	1157	1160	rBV4	6062	12971	1.65%	0.307%
6	9.100	1207	1215	1225	rBV	276199	561012	71.47%	13.275%
7	10.012	1360	1370	1377	rBV3	9822	20405	2.60%	0.483%
8	10.147	1385	1393	1400	rVB3	23365	48917	6.23%	1.158%
9	10.312	1415	1421	1429	rVB3	14698	27651	3.52%	0.654%
10	10.565	1454	1464	1478	rBV	429533	784997	100.00%	18.575%
11	11.865	1676	1685	1697	rBV	384471	676679	86.20%	16.012%
12	11.959	1697	1701	1708	rVB2	5695	8819	1.12%	0.209%
13	12.847	1845	1852	1863	rBV	305583	524011	66.75%	12.400%
14	13.788	2005	2012	2021	rBV	326419	546952	69.68%	12.942%
15	14.506	2130	2134	2139	rBV2	7227	10536	1.34%	0.249%

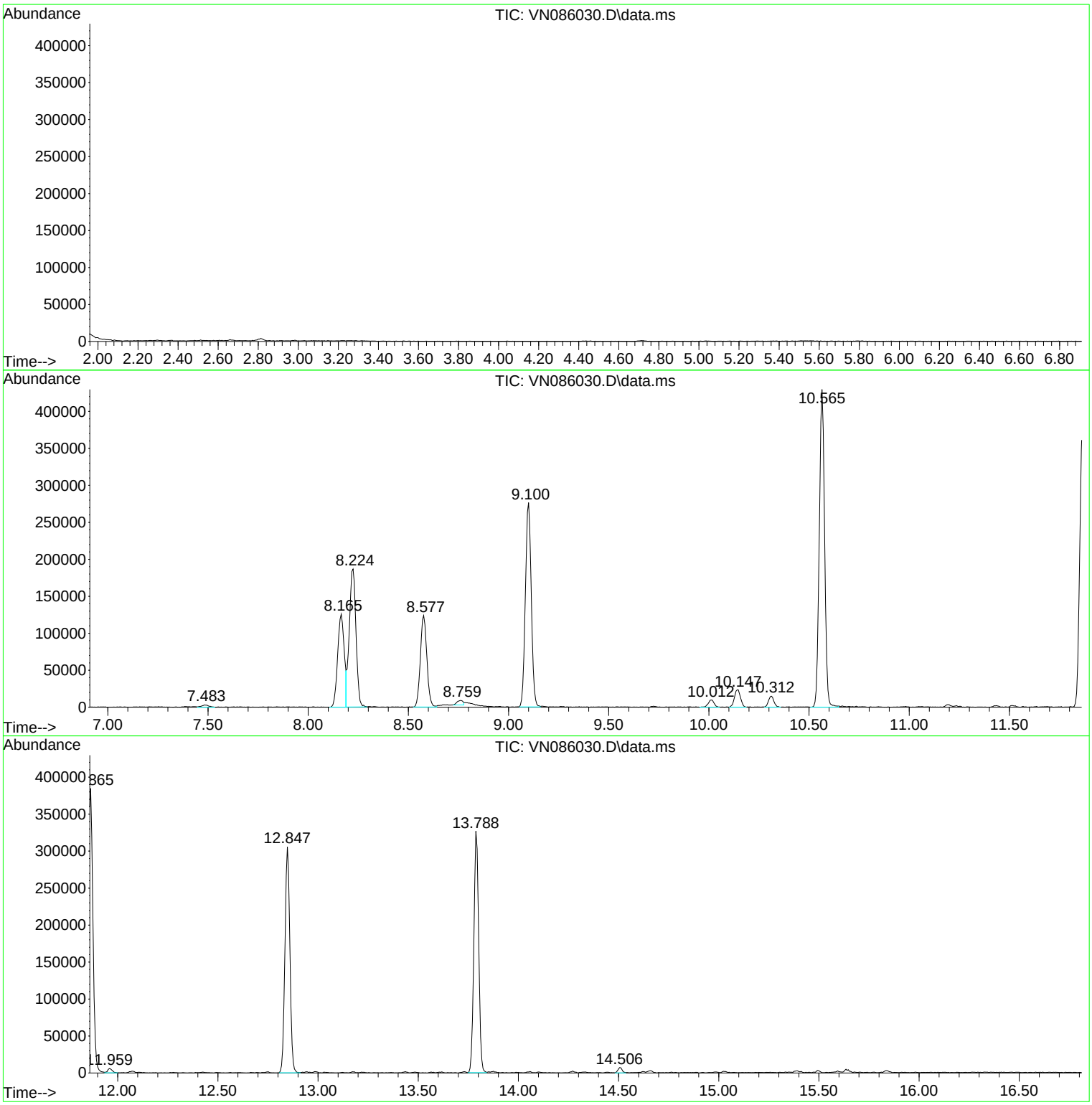
Sum of corrected areas: 4226063

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086030.D
Acq On : 20 Mar 2025 17:33
Operator : JC\MD
Sample : Q1575-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Quant Time: Mar 21 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	133645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	218780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	87559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	106454	58.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.340%			
35) Dibromofluoromethane	8.165	113	92615	54.773	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.540%			
50) Toluene-d8	10.565	98	298035	48.565	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.140%			
62) 4-Bromofluorobenzene	12.847	95	94197	43.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.080%			

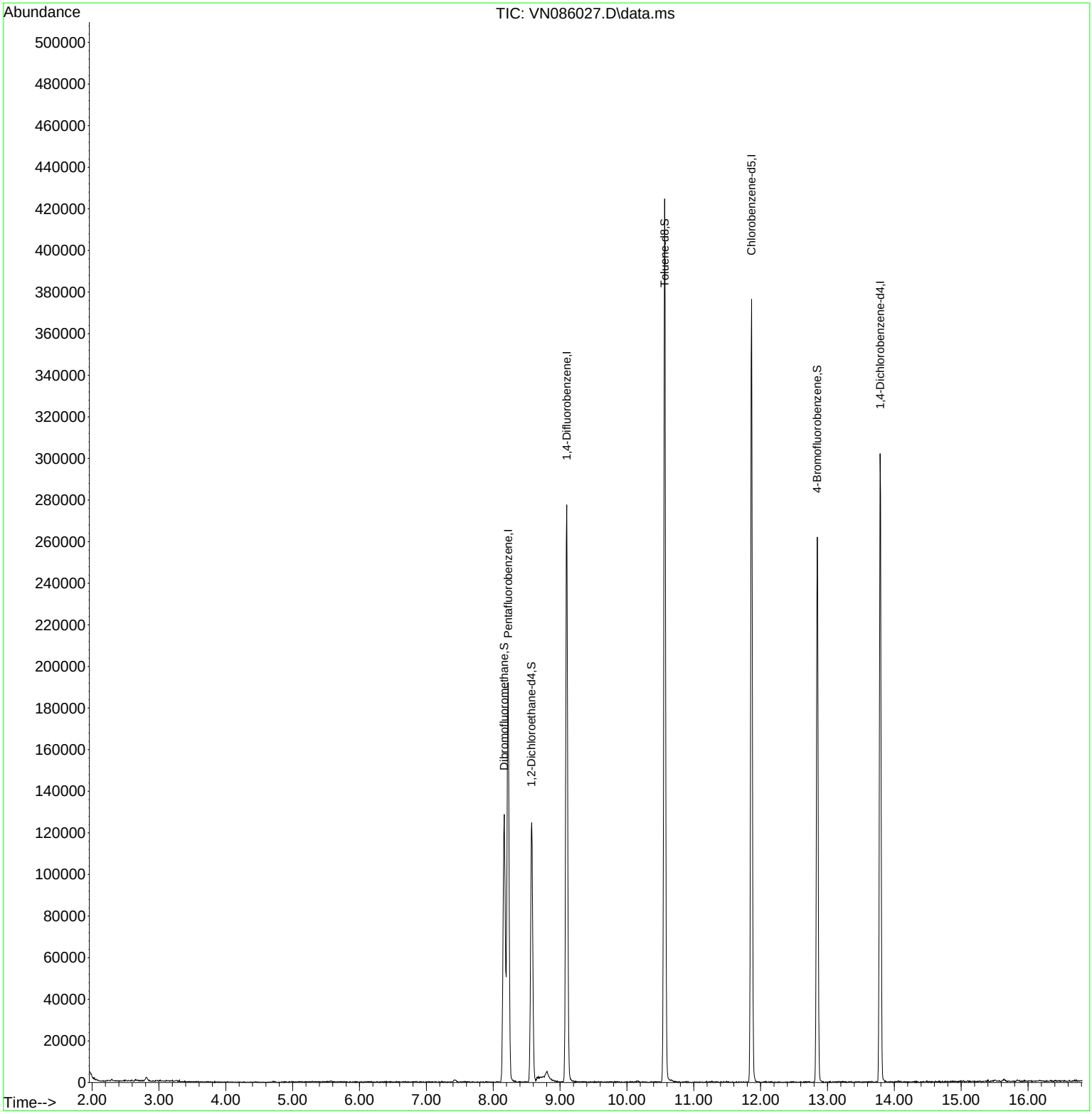
Target Compounds Qvalue

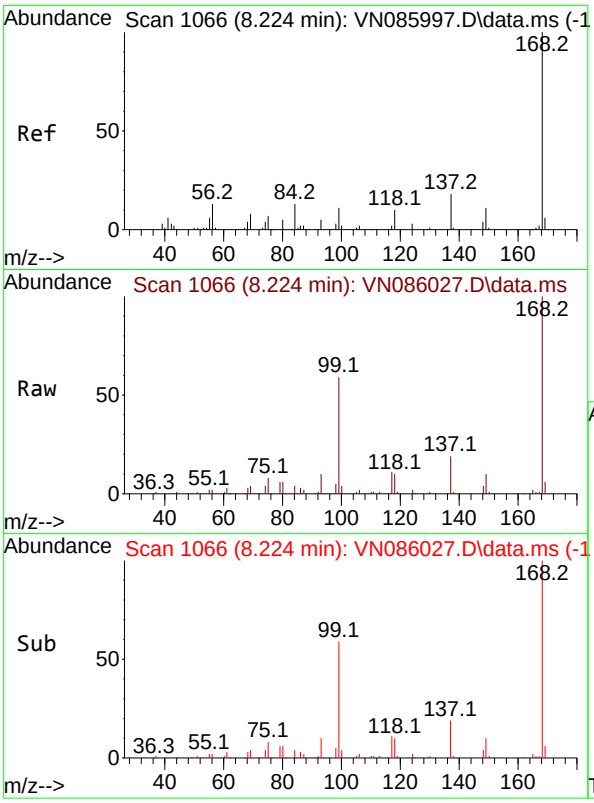
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Quant Time: Mar 21 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



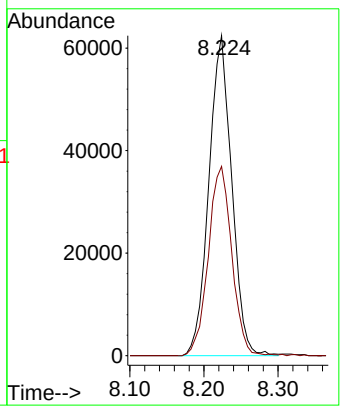


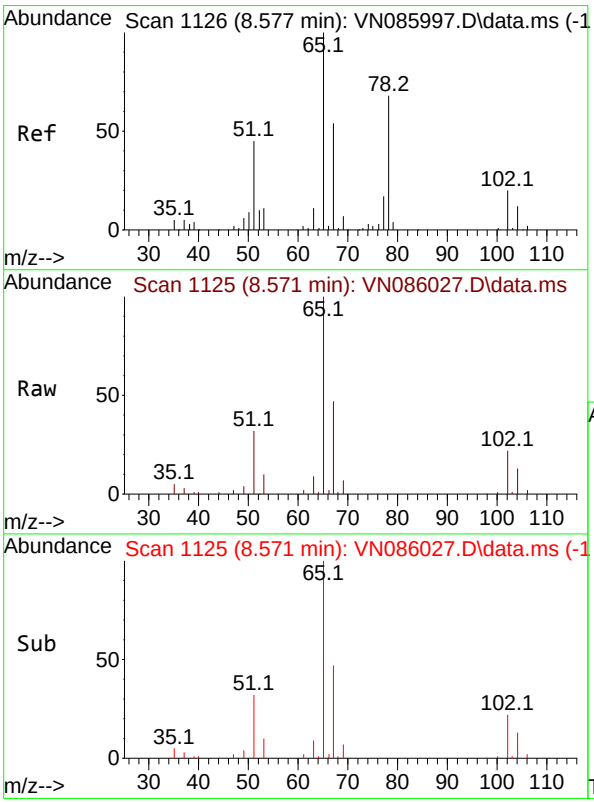
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Tgt Ion:168 Resp: 133645

Ion	Ratio	Lower	Upper
168	100		
99	59.2	49.4	74.2

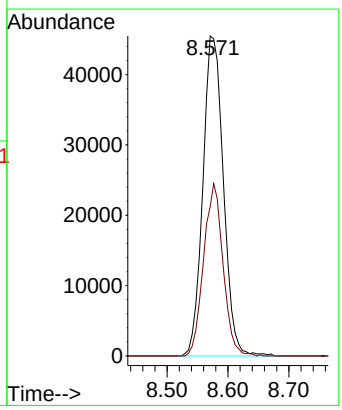


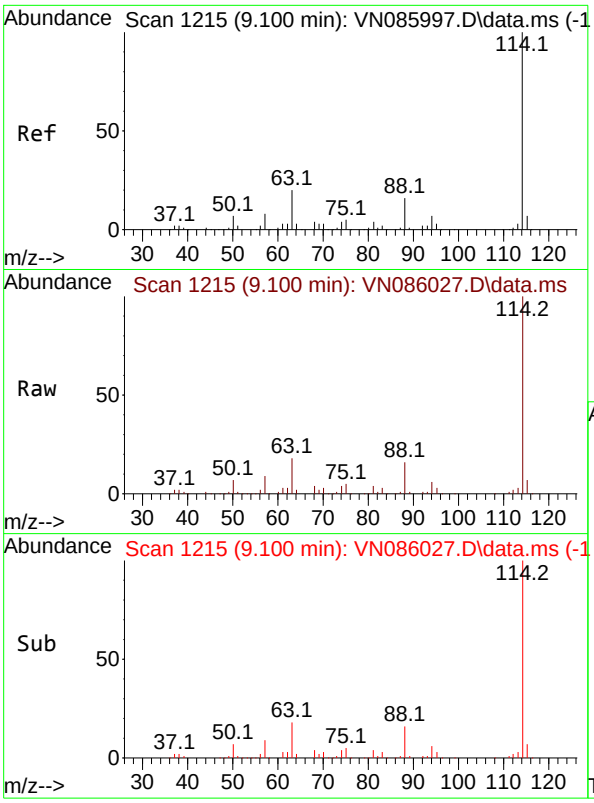


#33
1,2-Dichloroethane-d4
Concen: 58.170 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion: 65 Resp: 106454

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.2



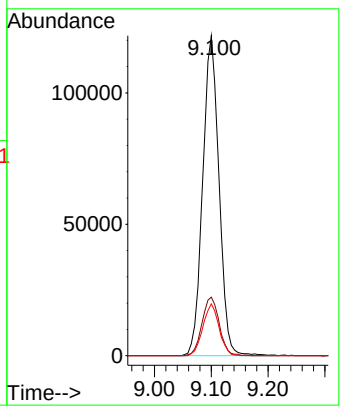


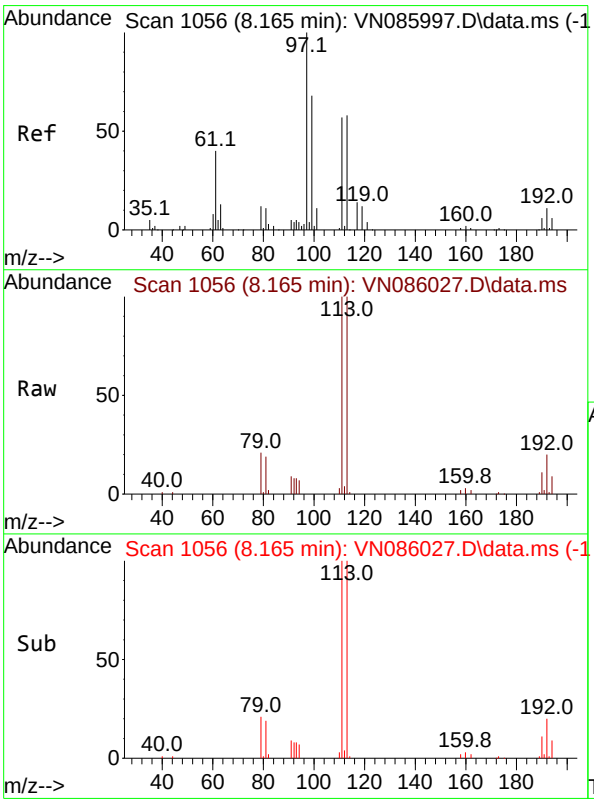
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Tgt Ion:114 Resp: 242254

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	39.6
88	16.2	0.0	32.6

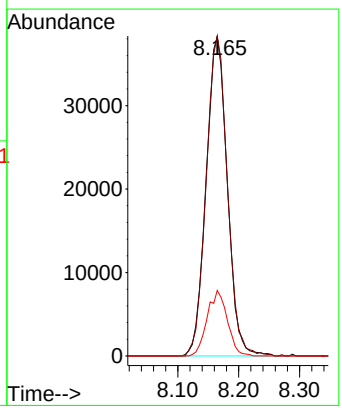


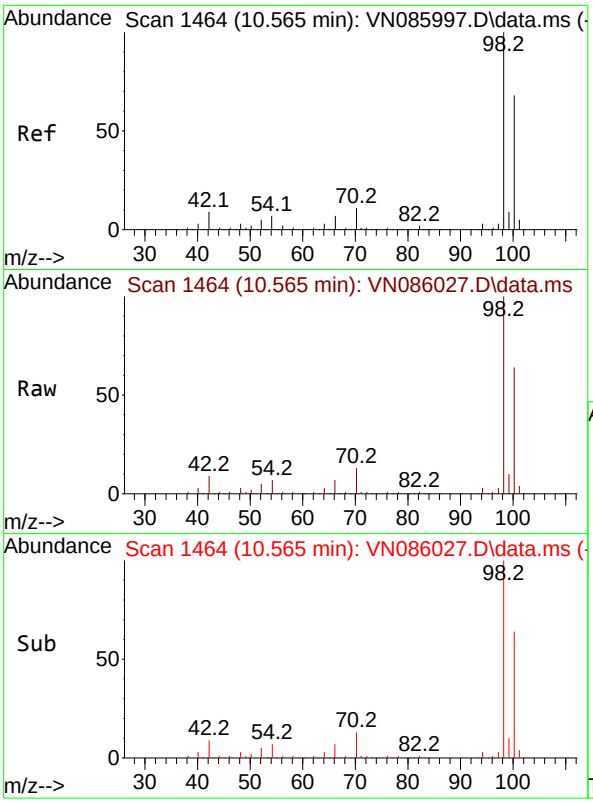


#35
Dibromofluoromethane
Concen: 54.773 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion:113 Resp: 92615

Ion	Ratio	Lower	Upper
113	100		
111	100.1	81.8	122.8
192	19.4	15.9	23.9



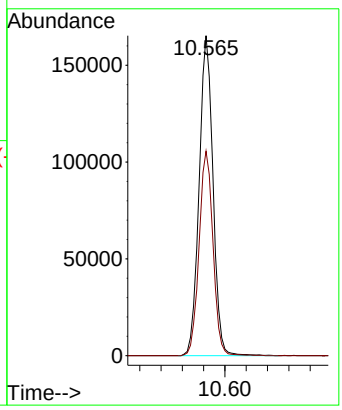


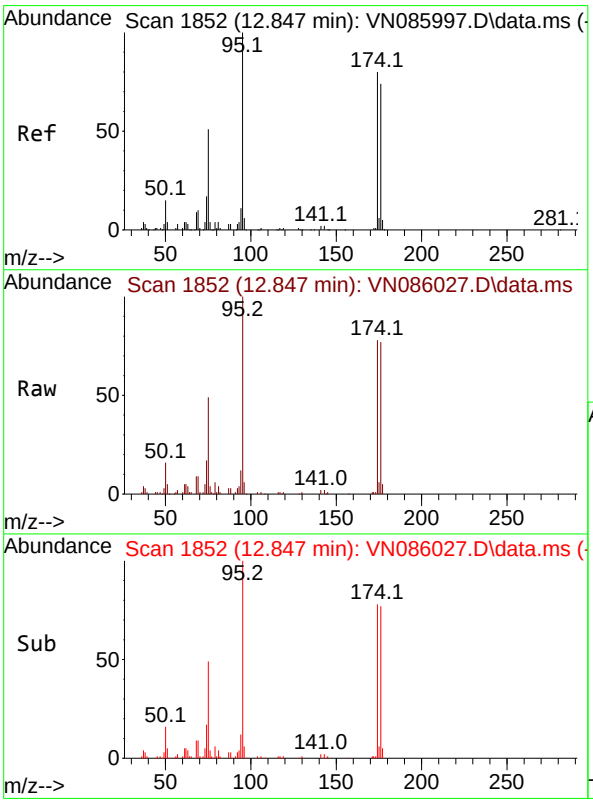
#50
Toluene-d8
Concen: 48.565 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Tgt Ion: 98 Resp: 298035

Ion	Ratio	Lower	Upper
98	100		
100	64.2	53.1	79.7

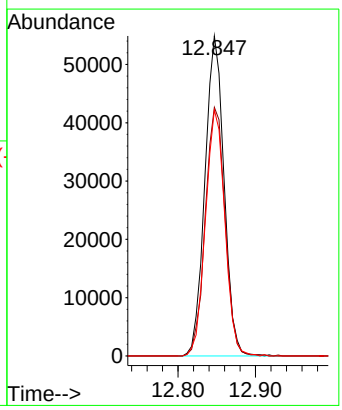


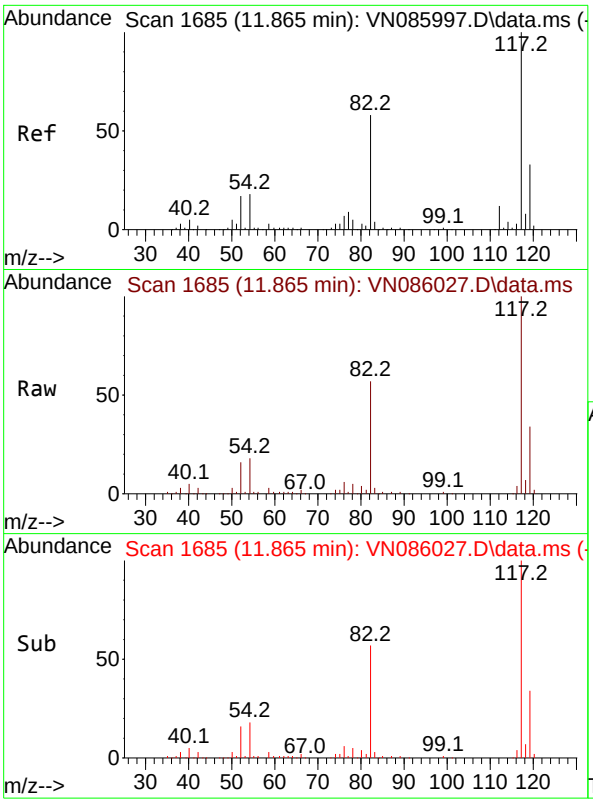


#62
4-Bromofluorobenzene
Concen: 43.040 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion: 95 Resp: 94197

Ion	Ratio	Lower	Upper
95	100		
174	80.6	0.0	156.8
176	77.8	0.0	152.2



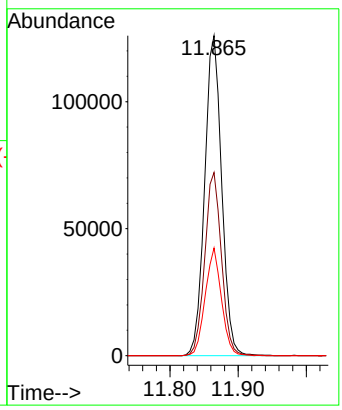


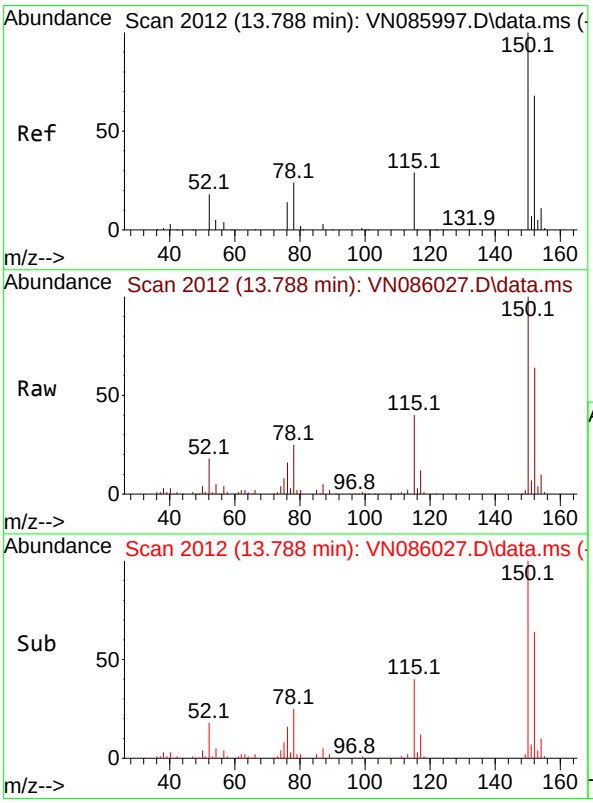
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Tgt Ion:117 Resp: 218780

Ion	Ratio	Lower	Upper
117	100		
82	57.3	46.7	70.1
119	33.7	26.5	39.7

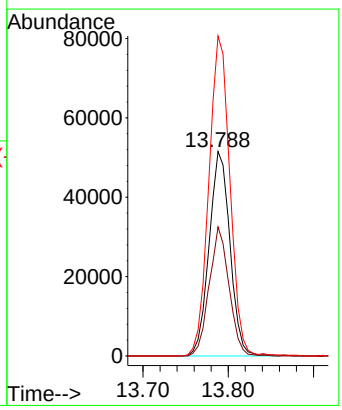




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086027.D
Acq: 20 Mar 2025 16:12

Tgt Ion:152 Resp: 87559

Ion	Ratio	Lower	Upper
152	100		
115	59.9	31.1	93.2
150	158.0	0.0	359.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

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\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086027.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1061	rBV	128736	313222	41.12%	7.983%
2	8.224	1061	1066	1077	rVB	191605	401400	52.69%	10.231%
3	8.577	1117	1126	1136	rBV	124879	283445	37.21%	7.224%
4	9.100	1206	1215	1224	rBV	277534	556334	73.03%	14.180%
5	10.565	1454	1464	1477	rBV	424842	761815	100.00%	19.417%
6	11.865	1676	1685	1695	rBV	376358	645717	84.76%	16.458%
7	12.847	1842	1852	1862	rBV	262139	454415	59.65%	11.582%
8	13.788	2005	2012	2024	rVB	302183	507125	66.57%	12.925%

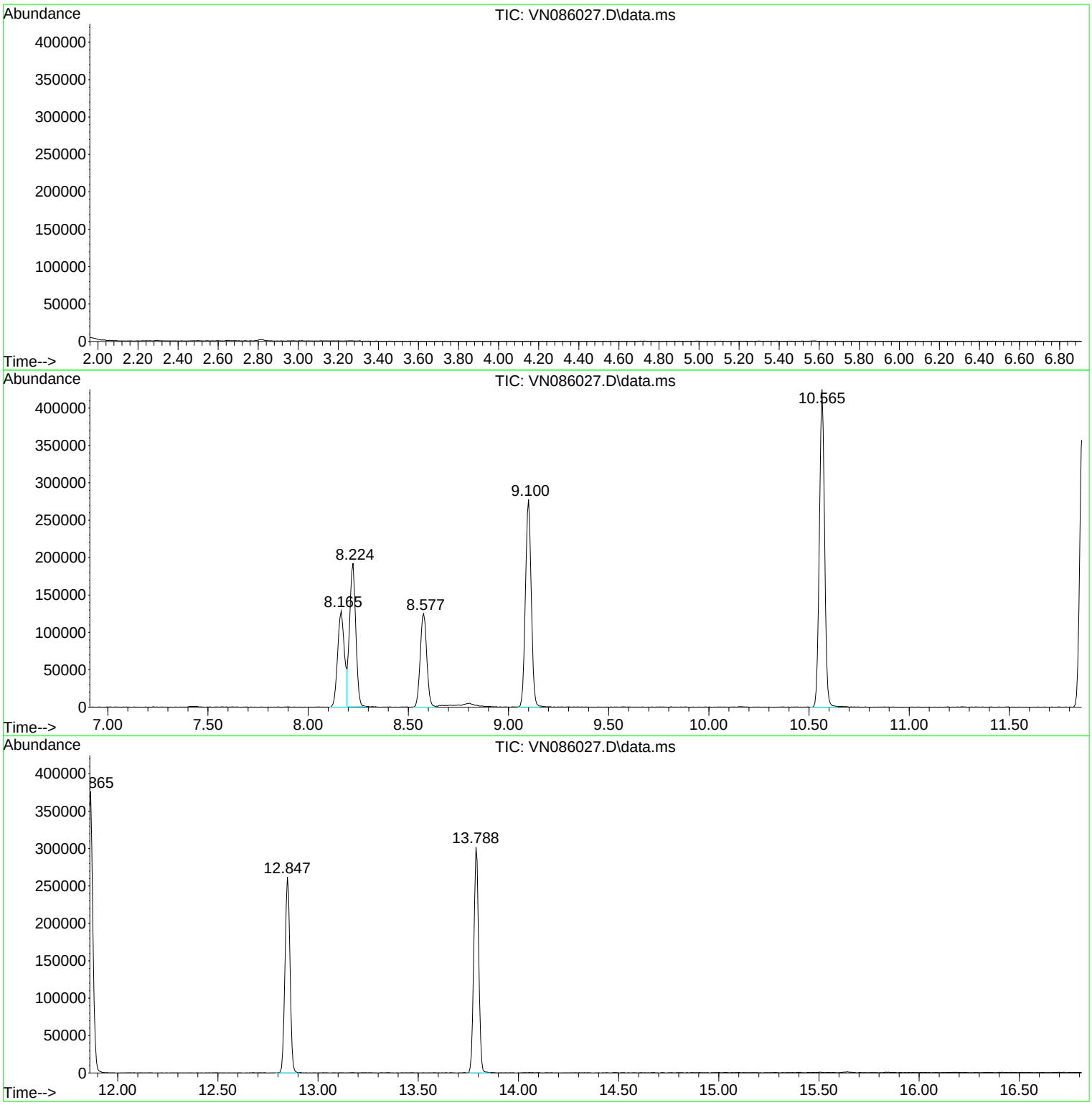
Sum of corrected areas: 3923473

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086027.D
Acq On : 20 Mar 2025 16:12
Operator : JC\MD
Sample : VN0320WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086028.D
Acq On : 20 Mar 2025 16:36
Operator : JC\MD
Sample : VN0320WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 01:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	171117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	271859	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114192	48.734	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.460%		
35) Dibromofluoromethane	8.165	113	93081	49.053	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.100%		
50) Toluene-d8	10.565	98	339751	49.334	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.660%		
62) 4-Bromofluorobenzene	12.847	95	116857	47.580	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.160%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	40788	17.992	ug/l	98
3) Chloromethane	2.359	50	34424	17.321	ug/l	96
4) Vinyl Chloride	2.512	62	36961	18.189	ug/l	99
5) Bromomethane	2.959	94	24991	18.055	ug/l	100
6) Chloroethane	3.118	64	22106	17.244	ug/l	94
7) Trichlorofluoromethane	3.500	101	67878	18.582	ug/l	92
8) Diethyl Ether	3.953	74	19131	17.107	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	36026	18.556	ug/l	100
10) Methyl Iodide	4.589	142	46574	18.411	ug/l #	90
11) Tert butyl alcohol	5.518	59	24223	73.015	ug/l	97
12) 1,1-Dichloroethene	4.347	96	32869	18.749	ug/l	98
13) Acrolein	4.183	56	27862	78.742	ug/l	94
14) Allyl chloride	5.018	41	38175	17.455	ug/l	98
15) Acrylonitrile	5.712	53	77726	88.713	ug/l	99
16) Acetone	4.430	43	58247	81.366	ug/l	96
17) Carbon Disulfide	4.712	76	99289	17.222	ug/l	96
18) Methyl Acetate	5.018	43	30849	17.417	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	103405	18.000	ug/l	94
20) Methylene Chloride	5.271	84	39753	18.982	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	35941	18.760	ug/l	99
22) Diisopropyl ether	6.671	45	92770	19.905	ug/l	96
23) Vinyl Acetate	6.600	43	321200	90.913	ug/l	98
24) 1,1-Dichloroethane	6.565	63	66362	19.363	ug/l	95
25) 2-Butanone	7.482	43	88358	85.540	ug/l	99
26) 2,2-Dichloropropane	7.488	77	62895	19.062	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	41239	18.942	ug/l	97
28) Bromochloromethane	7.806	49	26081	17.962	ug/l	96
29) Tetrahydrofuran	7.835	42	54165	84.938	ug/l	96
30) Chloroform	7.965	83	75179	19.846	ug/l	96
31) Cyclohexane	8.253	56	52284	17.908	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	69944	19.505	ug/l	98
36) 1,1-Dichloropropene	8.371	75	47696	19.089	ug/l	99
37) Ethyl Acetate	7.559	43	36839	17.476	ug/l	99
38) Carbon Tetrachloride	8.359	117	64805	19.726	ug/l	97
39) Methylcyclohexane	9.594	83	41695	16.820	ug/l	97
40) Benzene	8.600	78	155530	19.829	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086028.D
Acq On : 20 Mar 2025 16:36
Operator : JC\MD
Sample : VN0320WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 01:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	18900	18.777	ug/l		96
42) 1,2-Dichloroethane	8.665	62	52550	19.227	ug/l		100
43) Isopropyl Acetate	8.688	43	63848	13.978	ug/l		98
44) Trichloroethene	9.353	130	37162	18.280	ug/l		96
45) 1,2-Dichloropropane	9.618	63	36125	20.249	ug/l		94
46) Dibromomethane	9.706	93	27917	19.898	ug/l		99
47) Bromodichloromethane	9.888	83	58065	19.803	ug/l		99
48) Methyl methacrylate	9.676	41	26405	17.518	ug/l		96
49) 1,4-Dioxane	9.694	88	13183	369.975	ug/l		90
51) 4-Methyl-2-Pentanone	10.441	43	187389	93.021	ug/l		98
52) Toluene	10.629	92	98294	20.418	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	52472	18.426	ug/l		96
54) cis-1,3-Dichloropropene	10.306	75	56434	18.783	ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	37011	20.143	ug/l		97
56) Ethyl methacrylate	10.870	69	46423	18.614	ug/l		99
57) 1,3-Dichloropropane	11.159	76	58678	18.802	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	87505	93.210	ug/l		99
59) 2-Hexanone	11.194	43	134672	91.768	ug/l		96
60) Dibromochloromethane	11.359	129	47443	20.010	ug/l		98
61) 1,2-Dibromoethane	11.470	107	36543	19.373	ug/l		98
64) Tetrachloroethene	11.100	164	38863	19.990	ug/l		99
65) Chlorobenzene	11.888	112	104393	18.719	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	41240	19.893	ug/l		98
67) Ethyl Benzene	11.959	91	169330	18.981	ug/l		97
68) m/p-Xylenes	12.070	106	139334	39.738	ug/l		100
69) o-Xylene	12.400	106	62606	19.454	ug/l		99
70) Styrene	12.406	104	108240	19.692	ug/l		98
71) Bromoform	12.576	173	32436	18.716	ug/l	#	99
73) Isopropylbenzene	12.694	105	152447	17.603	ug/l		98
74) N-amyl acetate	12.494	43	50373	17.385	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	51839	17.693	ug/l		97
76) 1,2,3-Trichloropropane	12.988	75	50960m	17.949	ug/l		
77) Bromobenzene	12.976	156	43832	18.151	ug/l		98
78) n-propylbenzene	13.035	91	187385	19.108	ug/l		99
79) 2-Chlorotoluene	13.123	91	120542	18.506	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	140959	19.278	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	16899	15.736	ug/l		91
82) 4-Chlorotoluene	13.217	91	127029	18.964	ug/l		100
83) tert-Butylbenzene	13.435	119	109792	17.557	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	142424	19.312	ug/l		100
85) sec-Butylbenzene	13.611	105	152762	18.726	ug/l		99
86) p-Isopropyltoluene	13.729	119	128562	18.617	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	80744	18.550	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	82641	18.070	ug/l		98
89) n-Butylbenzene	14.053	91	96953	17.241	ug/l		98
90) Hexachloroethane	14.329	117	28124	17.650	ug/l		99
91) 1,2-Dichlorobenzene	14.100	146	77034	17.803	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9928	16.975	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	33982	15.619	ug/l		99
94) Hexachlorobutadiene	15.500	225	20685	16.387	ug/l		98
95) Naphthalene	15.635	128	84566	13.423	ug/l		97
96) 1,2,3-Trichlorobenzene	15.835	180	33796	16.370	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086028.D
Acq On : 20 Mar 2025 16:36
Operator : JC\MD
Sample : VN0320WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 01:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

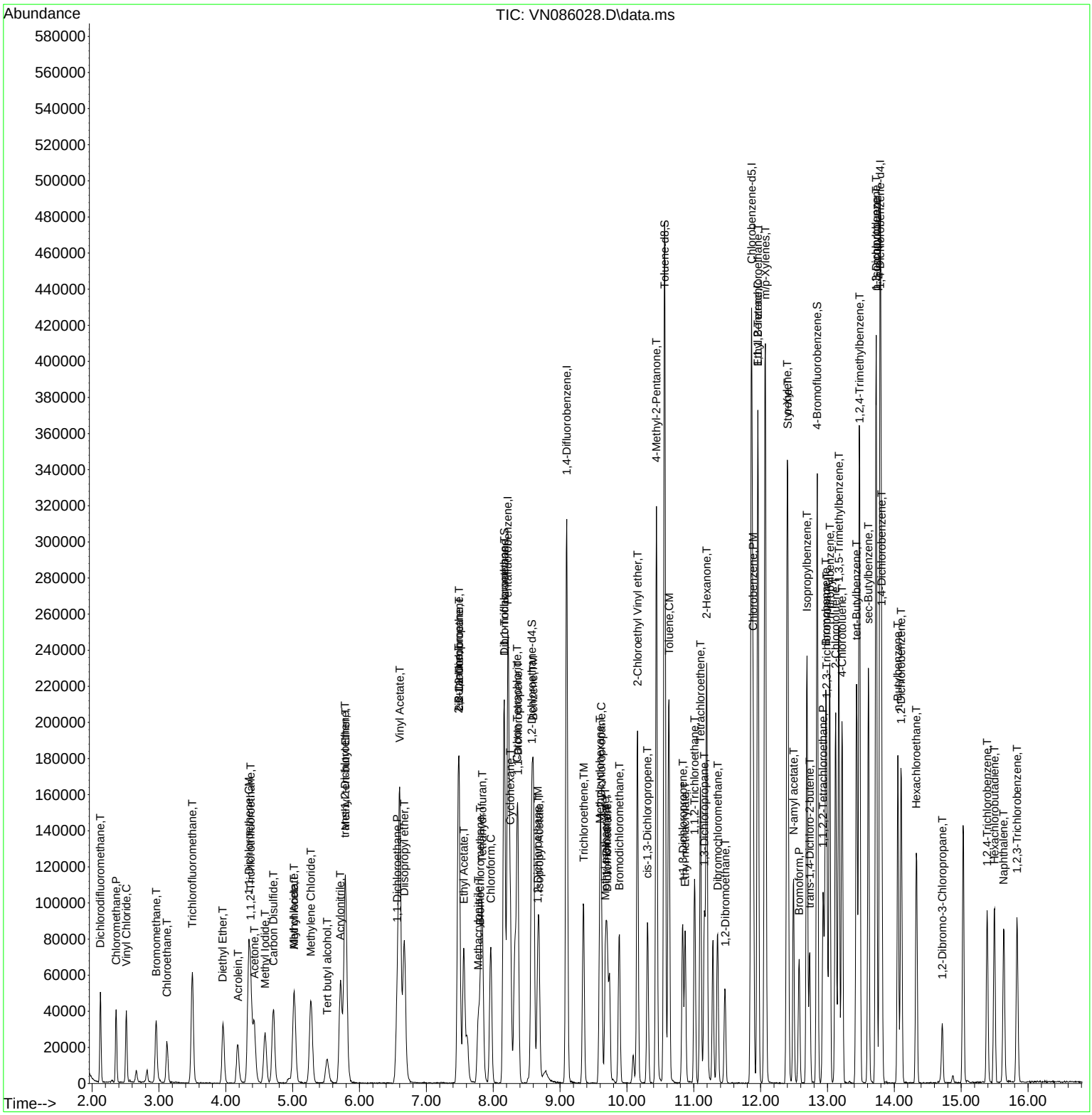
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086028.D
Acq On : 20 Mar 2025 16:36
Operator : JC\MD
Sample : VN0320WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 01:21:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086029.D
Acq On : 20 Mar 2025 17:09
Operator : JC\MD
Sample : VN0320WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 21 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	259777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109416	49.001	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.000%			
35) Dibromofluoromethane	8.159	113	86210	47.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.100%			
50) Toluene-d8	10.565	98	321886	48.914	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.820%			
62) 4-Bromofluorobenzene	12.847	95	113025	48.160	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41361	19.145	ug/l	96
3) Chloromethane	2.359	50	35832	18.919	ug/l	95
4) Vinyl Chloride	2.512	62	36301	18.746	ug/l	97
5) Bromomethane	2.965	94	24871	18.855	ug/l	100
6) Chloroethane	3.124	64	22392	18.329	ug/l #	85
7) Trichlorofluoromethane	3.500	101	65523	18.822	ug/l	100
8) Diethyl Ether	3.959	74	20901	19.613	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	34420	18.604	ug/l	99
10) Methyl Iodide	4.595	142	47830	19.840	ug/l	94
11) Tert butyl alcohol	5.518	59	26530	83.917	ug/l	99
12) 1,1-Dichloroethene	4.342	96	32945	19.720	ug/l	96
13) Acrolein	4.177	56	30231	89.654	ug/l	94
14) Allyl chloride	5.018	41	37083	17.792	ug/l	97
15) Acrylonitrile	5.718	53	82486	98.793	ug/l	98
16) Acetone	4.424	43	60652	88.908	ug/l	100
17) Carbon Disulfide	4.712	76	99067	18.031	ug/l	99
18) Methyl Acetate	5.018	43	31781	18.829	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	107258	19.593	ug/l	99
20) Methylene Chloride	5.271	84	40227	20.157	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	36120	19.784	ug/l	96
22) Diisopropyl ether	6.671	45	95798	21.569	ug/l	96
23) Vinyl Acetate	6.600	43	345170	102.520	ug/l	99
24) 1,1-Dichloroethane	6.565	63	66353	20.316	ug/l	97
25) 2-Butanone	7.483	43	91026	92.473	ug/l	99
26) 2,2-Dichloropropane	7.488	77	59718	18.992	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	41380	19.945	ug/l	98
28) Bromochloromethane	7.812	49	25403	18.358	ug/l	99
29) Tetrahydrofuran	7.835	42	60885	100.188	ug/l	97
30) Chloroform	7.959	83	72948	20.207	ug/l	97
31) Cyclohexane	8.253	56	50460	18.136	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	68406	20.018	ug/l	98
36) 1,1-Dichloropropene	8.371	75	46915	19.650	ug/l	98
37) Ethyl Acetate	7.559	43	37394	18.565	ug/l	99
38) Carbon Tetrachloride	8.359	117	64454	20.532	ug/l	93
39) Methylcyclohexane	9.600	83	39452	16.655	ug/l	89
40) Benzene	8.606	78	155377	20.731	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086029.D
Acq On : 20 Mar 2025 17:09
Operator : JC\MD
Sample : VN0320WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 21 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	18812	19.559	ug/l		98
42) 1,2-Dichloroethane	8.665	62	54126	20.725	ug/l		100
43) Isopropyl Acetate	8.688	43	67395	15.441	ug/l		97
44) Trichloroethene	9.353	130	37139	19.119	ug/l		100
45) 1,2-Dichloropropane	9.618	63	35089	20.583	ug/l		95
46) Dibromomethane	9.706	93	28404	21.187	ug/l		97
47) Bromodichloromethane	9.882	83	59015	21.063	ug/l		97
48) Methyl methacrylate	9.677	41	28329	19.669	ug/l		99
49) 1,4-Dioxane	9.688	88	13886	407.830	ug/l		92
51) 4-Methyl-2-Pentanone	10.441	43	193215	100.374	ug/l		99
52) Toluene	10.629	92	97507	21.197	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	55197	20.285	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	57578	20.055	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	38311	21.820	ug/l		95
56) Ethyl methacrylate	10.871	69	49757	20.666	ug/l		98
57) 1,3-Dichloropropane	11.165	76	61949	20.774	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	90936	100.437	ug/l		100
59) 2-Hexanone	11.194	43	137925	98.355	ug/l		96
60) Dibromochloromethane	11.359	129	47613	21.016	ug/l		100
61) 1,2-Dibromoethane	11.465	107	37028	20.543	ug/l		96
64) Tetrachloroethene	11.100	164	36985	19.556	ug/l		97
65) Chlorobenzene	11.888	112	105860	19.513	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	40700	20.182	ug/l		98
67) Ethyl Benzene	11.959	91	169858	19.573	ug/l		100
68) m/p-Xylenes	12.071	106	139730	40.966	ug/l		99
69) o-Xylene	12.394	106	63026	20.133	ug/l		100
70) Styrene	12.412	104	110733	20.709	ug/l		99
71) Bromoform	12.576	173	33772	20.032	ug/l	#	97
73) Isopropylbenzene	12.694	105	154381	18.464	ug/l		98
74) N-amyl acetate	12.494	43	53210	19.021	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	52821	18.673	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	51264m	18.701	ug/l		
77) Bromobenzene	12.976	156	43200	18.529	ug/l		99
78) n-propylbenzene	13.035	91	187372	19.790	ug/l		98
79) 2-Chlorotoluene	13.123	91	124671	19.825	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	142319	20.160	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	17393	16.775	ug/l		89
82) 4-Chlorotoluene	13.217	91	128318	19.842	ug/l		99
83) tert-Butylbenzene	13.435	119	109645	18.161	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	142980	20.081	ug/l		99
85) sec-Butylbenzene	13.612	105	155292	19.717	ug/l		100
86) p-Isopropyltoluene	13.729	119	129493	19.422	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	81986	19.509	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	83732	18.964	ug/l		97
89) n-Butylbenzene	14.053	91	101792	18.748	ug/l		96
90) Hexachloroethane	14.329	117	27944	18.164	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	78822	18.868	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10040	17.781	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	35562	16.930	ug/l		99
94) Hexachlorobutadiene	15.500	225	20840	17.100	ug/l		100
95) Naphthalene	15.641	128	92296	15.174	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	35483	17.802	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086029.D
Acq On : 20 Mar 2025 17:09
Operator : JC\MD
Sample : VN0320WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 21 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025

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

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

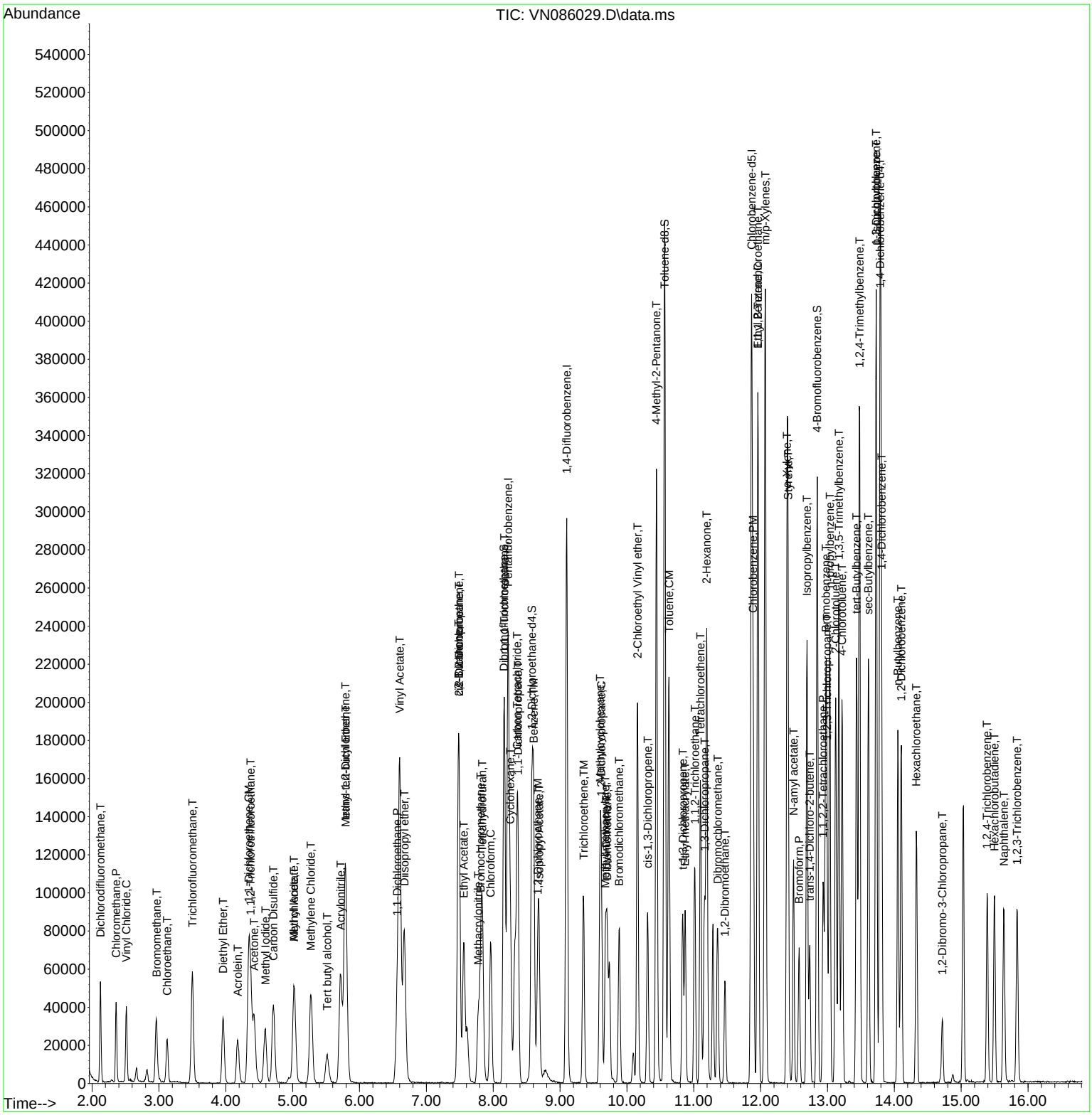
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032025\
Data File : VN086029.D
Acq On : 20 Mar 2025 17:09
Operator : JC\MD
Sample : VN0320WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 21 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/21/2025
Supervised By :Mahesh Dadoda 03/21/2025



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

Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085996.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:30 AM	MMDadoda	3/19/2025 2:21:56 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Vinyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC005	VN086000.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:51 AM	MMDadoda	3/19/2025 2:22:03 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1,2-Trichlorotrifluoroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1-Dichloroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,4-Dichlorobenzene	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086001.D	Diisopropyl ether	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	Ethyl Acetate	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICV050	VN086003.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:43:04 AM	MMDadoda	3/19/2025 2:22:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn032025	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086025.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:48:32 AM	MMDadoda	3/21/2025 10:05:28 AM	Peak Integrated by Software
VN0320WBS01	VN086028.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:48:36 AM	MMDadoda	3/21/2025 10:05:30 AM	Peak Integrated by Software
VN0320WBSD01	VN086029.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:48:40 AM	MMDadoda	3/21/2025 10:05:31 AM	Peak Integrated by Software
Q1575-01	VN086031.D	Acetone	JOHN	3/21/2025 9:48:45 AM	MMDadoda	3/21/2025 10:05:33 AM	Peak Integrated by Software
VSTDCCC050	VN086034.D	1,2,3-Trichloropropane	JOHN	3/21/2025 9:48:49 AM	MMDadoda	3/21/2025 10:05:34 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085994.D	18 Mar 2025 08:52	JC\MD	Ok
2	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	JC\MD	Not Ok
3	VSTDICC100	VN085996.D	18 Mar 2025 11:44	JC\MD	Ok,M
4	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	JC\MD	Ok,M
5	VSTDICC020	VN085998.D	18 Mar 2025 12:32	JC\MD	Ok,M
6	VSTDICC010	VN085999.D	18 Mar 2025 12:57	JC\MD	Ok,M
7	VSTDICC005	VN086000.D	18 Mar 2025 13:21	JC\MD	Ok,M
8	VSTDICC001	VN086001.D	18 Mar 2025 14:09	JC\MD	Ok,M
9	IBLK	VN086002.D	18 Mar 2025 14:34	JC\MD	Ok
10	VSTDICV050	VN086003.D	18 Mar 2025 16:49	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032025

Review By	John Carlone	Review On	3/21/2025 9:49:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:39 AM		
SubDirectory	VN032025	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133425
Initial Calibration Stds	
CCC	VP133426,VP133427
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086024.D	20 Mar 2025 14:38	JC\MD	Ok
2	VSTDCCC050	VN086025.D	20 Mar 2025 15:13	JC\MD	Ok,M
3	VN0320MBL01	VN086026.D	20 Mar 2025 15:48	JC\MD	Ok
4	VN0320WBL01	VN086027.D	20 Mar 2025 16:12	JC\MD	Ok
5	VN0320WBS01	VN086028.D	20 Mar 2025 16:36	JC\MD	Ok,M
6	VN0320WBSD01	VN086029.D	20 Mar 2025 17:09	JC\MD	Ok,M
7	Q1575-02	VN086030.D	20 Mar 2025 17:33	JC\MD	Ok
8	Q1575-01	VN086031.D	20 Mar 2025 17:57	JC\MD	Ok,M
9	Q1606-11	VN086032.D	20 Mar 2025 18:21	JC\MD	Ok
10	Q1618-01	VN086033.D	20 Mar 2025 18:45	JC\MD	Ok
11	VSTDCCC050	VN086034.D	20 Mar 2025 19:09	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085994.D	18 Mar 2025 08:52		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085996.D	18 Mar 2025 11:44		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	Comp.#56 and 58 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085998.D	18 Mar 2025 12:32		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085999.D	18 Mar 2025 12:57	%D failed for Comp. #58 in 01PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN086000.D	18 Mar 2025 13:21		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN086001.D	18 Mar 2025 14:09		JC\MD	Ok,M
9	IBLK	IBLK	VN086002.D	18 Mar 2025 14:34		JC\MD	Ok
10	VSTDICV050	ICVVN031825	VN086003.D	18 Mar 2025 16:49	ICV Failed for comp. #39,52,58,68,69,70,78,80,84,85, 86,89 For DOD	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN032025

Review By	John Carlone	Review On	3/21/2025 9:49:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/21/2025 10:05:39 AM		
SubDirectory	VN032025	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133425
Initial Calibration Stds	
CCC	VP133426,VP133427
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086024.D	20 Mar 2025 14:38		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086025.D	20 Mar 2025 15:13	pH#Lot#V12668	JC\MD	Ok,M
3	VN0320MBL01	VN0320MBL01	VN086026.D	20 Mar 2025 15:48		JC\MD	Ok
4	VN0320WBL01	VN0320WBL01	VN086027.D	20 Mar 2025 16:12		JC\MD	Ok
5	VN0320WBS01	VN0320WBS01	VN086028.D	20 Mar 2025 16:36		JC\MD	Ok,M
6	VN0320WBSD01	VN0320WBSD01	VN086029.D	20 Mar 2025 17:09		JC\MD	Ok,M
7	Q1575-02	MW7	VN086030.D	20 Mar 2025 17:33	vial B pH<2	JC\MD	Ok
8	Q1575-01	MW3	VN086031.D	20 Mar 2025 17:57	vial B pH<2	JC\MD	Ok,M
9	Q1606-11	N48965	VN086032.D	20 Mar 2025 18:21	vial A pH<2	JC\MD	Ok
10	Q1618-01	TP20250320-01	VN086033.D	20 Mar 2025 18:45	vial A pH<2	JC\MD	Ok
11	VSTDCCC050	VSTDCCC050EC	VN086034.D	20 Mar 2025 19:09		JC\MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q1575	**OrderDate:**	3/14/2025 11:26:00 AM
Client:	G Environmental	**Project:**	Communipaw
Contact:	Gary Landis	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1575-01	**MW3**	**Water**			**03/13/25**			**03/14/25**
			VOC-TCLVOA-10	8260-Low			03/20/25	
Q1575-02	**MW7**	**Water**			**03/13/25**			**03/14/25**
			VOC-TCLVOA-10	8260-Low			03/20/25	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1575
COC Number 2046132

6
6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: GECP INC
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP 07876
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

BILL TO: GECP INC PO#:
ADDRESS: 8 CARRIAGE
CITY Succasunna STATE: NJ ZIP: 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- X EDD FORMAT edd waste excel
- ☐ Level 4 (QC + Full Raw Data)
- X NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other NJDEP HPP

ANALYSIS

TCL VOCs

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								HCl									← Specify Preservatives
1.	MW3	GW		X	3/13/25	1530	2	X									A-HCl D-NaOH
2.	MW7	GW		X	3/13/25	1552	2	X									B-HN03 E-ICE
3.																	C-H2SO4 F-OTHER
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:
1.	3/14/25 1110	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1°C °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1575 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 3/14/2025 11:26:00 AM
Project Name : Communipaw
Receive DateTime : 3/14/2025 11:10:00 AM
Purchase Order :

Project Mgr : nj reduce
Report Type : ~~Level 1~~ Results only
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1575-01	MW3	Water	03/13/2025	15:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1575-02	MW7	Water	03/13/2025	15:52					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 3/14/25 1150

Received By :
Date / Time : 3/14/25 11:50

Storage Area : VOA Refridgerator Room