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

VOLATILE ORGANICS

PROJECT NAME : 143 RED LION RD SOUTHAMPTON TWP, NJ

M2 ASSOCIATES

56 Country Acres Drive

Hampton, NJ - 08827

Phone No: 908-238-0827

ORDER ID : P4770

ATTENTION : Matt Mulhall

Laboratory Certification ID # 20012

Table Of Contents for P4770

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : CHEMTECH

Client : M2 Associates

Project Location : NJ

Project Number : - 143 Red Lion Rd Southampton Twp, NJ

Laboratory Sample ID(s) : P4770

Sampling Date(s) : 11/07/2024

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

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 : P4770

Project ID : 143 Red Lion Rd Southampton Twp, NJ

Client : M2 Associates

Lab Sample Number	Client Sample Number
P4770-01	MW-1
P4770-02	MW-3
P4770-03	MW-10
P4770-04	FIELD-BLANK
P4770-05	TRIP-BLANK

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 : N. N. Pandya

APPROVED
Date: 11/21/2024
By Nimisha Pandya, QA/QC Supervisor at 10:13 am, Nov 21, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

M2 Associates
Project Name: 143 Red Lion Rd Southampton Twp, NJ
Project # N/A
Chemtech Project # P4770
Test Name: VOCMS Group2

A. Number of Samples and Date of Receipt:
5 Water samples were received on 11/07/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group2. This data package contains results for VOCMS Group2.

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 VOCMS Group2 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 for {VN1113WBS01} with File ID: VN084822.D met requirements for all samples except for Methyl Acetate[67%] this compound did not meet the NJDKQP criteria but met the in-house criteria.

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

The %RSD is greater than 20% in the Initial Calibration method (82N103024W.M) for Methyl Acetate, Acetone, Chloroethane, Chloromethane these compounds are passing on Linear Regression while, 1,4-Dichlorobenzene this compound is passing on Quadratic Regression.

The Continuous Calibration File ID VN084935.D met the requirements except for 1,2,4-Trichlorobenzene and Carbon Disulfide are failing marginally low therefore no corrective action taken.

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The Continuous Calibration File ID VN084960.D met the requirements except for 2-Hexanone and 4-Methyl-2-Pentanone are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples MW-1, MW-3 and MW-10 were diluted due strong odor of gasoline.

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.

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

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

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

Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:14 am, Nov 21, 2024

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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 #: **P4770**

	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:** **11/21/2024**

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Hit Summary Sheet
SW-846

SDG No.: P4770

Client: M2 Associates

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-1**							
P4770-01	MW-1	Water	Methylcyclohexane	150	J	95.0	500	ug/L
P4770-01	MW-1	Water	Benzene	390	J	80.0	500	ug/L
P4770-01	MW-1	Water	Toluene	10200		90.0	500	ug/L
P4770-01	MW-1	Water	Ethyl Benzene	3700		80.0	500	ug/L
P4770-01	MW-1	Water	m/p-Xylenes	17500		160	1000	ug/L
P4770-01	MW-1	Water	o-Xylene	8300		70.0	500	ug/L
P4770-01	MW-1	Water	Isopropylbenzene	1300		65.0	500	ug/L
P4770-01	MW-1	Water	1,3-Dichlorobenzene	240	J	120	500	ug/L
P4770-01	MW-1	Water	1,2-Dichlorobenzene	230	J	95.0	500	ug/L
P4770-01	MW-1	Water	1,2,4-Trichlorobenzene	400	J	210	500	ug/L
P4770-01	MW-1	Water	1,2,3-Trichlorobenzene	420	J	260	500	ug/L
			Total Voc :	42800				
			Total Concentration:	42800				
Client ID:	**MW-3**							
P4770-02	MW-3	Water	Methylcyclohexane	420	J	95.0	500	ug/L
P4770-02	MW-3	Water	Benzene	400	J	80.0	500	ug/L
P4770-02	MW-3	Water	Toluene	25300		90.0	500	ug/L
P4770-02	MW-3	Water	Ethyl Benzene	5700		80.0	500	ug/L
P4770-02	MW-3	Water	m/p-Xylenes	18100		160	1000	ug/L
P4770-02	MW-3	Water	o-Xylene	6600		70.0	500	ug/L
P4770-02	MW-3	Water	Isopropylbenzene	1500		65.0	500	ug/L
			Total Voc :	58000				
			Total Concentration:	58000				
Client ID:	**MW-10**							
P4770-03	MW-10	Water	Toluene	140	J	90.0	500	ug/L
P4770-03	MW-10	Water	m/p-Xylenes	270	J	160	1000	ug/L
			Total Voc :	410				
			Total Concentration:	410				

SAMPLE DATA

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Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-1	SDG No.:	P4770
Lab Sample ID:	P4770-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084983.D	500		11/20/24 20:58	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/L
74-87-3	Chloromethane	180	U	180	500	ug/L
75-01-4	Vinyl Chloride	170	U	170	500	ug/L
74-83-9	Bromomethane	680	U	680	2500	ug/L
75-00-3	Chloroethane	280	U	280	500	ug/L
75-69-4	Trichlorofluoromethane	170	U	170	500	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	130	U	130	500	ug/L
75-65-0	Tert butyl alcohol	2800	U	2800	12500	ug/L
75-35-4	1,1-Dichloroethene	130	U	130	500	ug/L
67-64-1	Acetone	700	U	700	2500	ug/L
75-15-0	Carbon Disulfide	160	U	160	500	ug/L
1634-04-4	Methyl tert-butyl Ether	80.0	U	80.0	500	ug/L
79-20-9	Methyl Acetate	300	U	300	500	ug/L
75-09-2	Methylene Chloride	160	U	160	500	ug/L
156-60-5	trans-1,2-Dichloroethene	130	U	130	500	ug/L
75-34-3	1,1-Dichloroethane	120	U	120	500	ug/L
110-82-7	Cyclohexane	810	U	810	2500	ug/L
78-93-3	2-Butanone	650	U	650	2500	ug/L
56-23-5	Carbon Tetrachloride	130	U	130	500	ug/L
156-59-2	cis-1,2-Dichloroethene	130	U	130	500	ug/L
74-97-5	Bromochloromethane	90.0	U	90.0	500	ug/L
67-66-3	Chloroform	130	U	130	500	ug/L
71-55-6	1,1,1-Trichloroethane	95.0	U	95.0	500	ug/L
108-87-2	Methylcyclohexane	150	J	95.0	500	ug/L
71-43-2	Benzene	390	J	80.0	500	ug/L
107-06-2	1,2-Dichloroethane	120	U	120	500	ug/L
79-01-6	Trichloroethene	160	U	160	500	ug/L
78-87-5	1,2-Dichloropropane	95.0	U	95.0	500	ug/L
75-27-4	Bromodichloromethane	120	U	120	500	ug/L
108-10-1	4-Methyl-2-Pentanone	380	U	380	2500	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-1	SDG No.:	P4770
Lab Sample ID:	P4770-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084983.D	500		11/20/24 20:58	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	10200		90.0	500	ug/L
10061-02-6	t-1,3-Dichloropropene	110	U	110	500	ug/L
10061-01-5	cis-1,3-Dichloropropene	90.0	U	90.0	500	ug/L
79-00-5	1,1,2-Trichloroethane	110	U	110	500	ug/L
591-78-6	2-Hexanone	570	U	570	2500	ug/L
124-48-1	Dibromochloromethane	90.0	U	90.0	500	ug/L
106-93-4	1,2-Dibromoethane	80.0	U	80.0	500	ug/L
127-18-4	Tetrachloroethene	130	U	130	500	ug/L
108-90-7	Chlorobenzene	65.0	U	65.0	500	ug/L
100-41-4	Ethyl Benzene	3700		80.0	500	ug/L
179601-23-1	m/p-Xylenes	17500		160	1000	ug/L
95-47-6	o-Xylene	8300		70.0	500	ug/L
100-42-5	Styrene	80.0	U	80.0	500	ug/L
75-25-2	Bromoform	110	U	110	500	ug/L
98-82-8	Isopropylbenzene	1300		65.0	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	140	U	140	500	ug/L
541-73-1	1,3-Dichlorobenzene	240	J	120	500	ug/L
106-46-7	1,4-Dichlorobenzene	140	U	140	500	ug/L
95-50-1	1,2-Dichlorobenzene	230	J	95.0	500	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	230	U	230	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	400	J	210	500	ug/L
87-61-6	1,2,3-Trichlorobenzene	420	J	260	500	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	46.3		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	152000	8.224			
540-36-3	1,4-Difluorobenzene	277000	9.1			
3114-55-4	Chlorobenzene-d5	242000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-1	SDG No.:	P4770
Lab Sample ID:	P4770-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084983.D	500		11/20/24 20:58	VN112024

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:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-3	SDG No.:	P4770
Lab Sample ID:	P4770-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084941.D	500		11/19/24 12:52	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/L
74-87-3	Chloromethane	180	U	180	500	ug/L
75-01-4	Vinyl Chloride	170	U	170	500	ug/L
74-83-9	Bromomethane	680	U	680	2500	ug/L
75-00-3	Chloroethane	280	U	280	500	ug/L
75-69-4	Trichlorofluoromethane	170	U	170	500	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	130	U	130	500	ug/L
75-65-0	Tert butyl alcohol	2800	U	2800	12500	ug/L
75-35-4	1,1-Dichloroethene	130	U	130	500	ug/L
67-64-1	Acetone	700	U	700	2500	ug/L
75-15-0	Carbon Disulfide	160	U	160	500	ug/L
1634-04-4	Methyl tert-butyl Ether	80.0	U	80.0	500	ug/L
79-20-9	Methyl Acetate	300	U	300	500	ug/L
75-09-2	Methylene Chloride	160	U	160	500	ug/L
156-60-5	trans-1,2-Dichloroethene	130	U	130	500	ug/L
75-34-3	1,1-Dichloroethane	120	U	120	500	ug/L
110-82-7	Cyclohexane	810	U	810	2500	ug/L
78-93-3	2-Butanone	650	U	650	2500	ug/L
56-23-5	Carbon Tetrachloride	130	U	130	500	ug/L
156-59-2	cis-1,2-Dichloroethene	130	U	130	500	ug/L
74-97-5	Bromochloromethane	90.0	U	90.0	500	ug/L
67-66-3	Chloroform	130	U	130	500	ug/L
71-55-6	1,1,1-Trichloroethane	95.0	U	95.0	500	ug/L
108-87-2	Methylcyclohexane	420	J	95.0	500	ug/L
71-43-2	Benzene	400	J	80.0	500	ug/L
107-06-2	1,2-Dichloroethane	120	U	120	500	ug/L
79-01-6	Trichloroethene	160	U	160	500	ug/L
78-87-5	1,2-Dichloropropane	95.0	U	95.0	500	ug/L
75-27-4	Bromodichloromethane	120	U	120	500	ug/L
108-10-1	4-Methyl-2-Pentanone	380	U	380	2500	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-3	SDG No.:	P4770
Lab Sample ID:	P4770-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084941.D	500		11/19/24 12:52	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	25300		90.0	500	ug/L
10061-02-6	t-1,3-Dichloropropene	110	U	110	500	ug/L
10061-01-5	cis-1,3-Dichloropropene	90.0	U	90.0	500	ug/L
79-00-5	1,1,2-Trichloroethane	110	U	110	500	ug/L
591-78-6	2-Hexanone	570	U	570	2500	ug/L
124-48-1	Dibromochloromethane	90.0	U	90.0	500	ug/L
106-93-4	1,2-Dibromoethane	80.0	U	80.0	500	ug/L
127-18-4	Tetrachloroethene	130	U	130	500	ug/L
108-90-7	Chlorobenzene	65.0	U	65.0	500	ug/L
100-41-4	Ethyl Benzene	5700		80.0	500	ug/L
179601-23-1	m/p-Xylenes	18100		160	1000	ug/L
95-47-6	o-Xylene	6600		70.0	500	ug/L
100-42-5	Styrene	80.0	U	80.0	500	ug/L
75-25-2	Bromoform	110	U	110	500	ug/L
98-82-8	Isopropylbenzene	1500		65.0	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	140	U	140	500	ug/L
541-73-1	1,3-Dichlorobenzene	120	U	120	500	ug/L
106-46-7	1,4-Dichlorobenzene	140	U	140	500	ug/L
95-50-1	1,2-Dichlorobenzene	95.0	U	95.0	500	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	230	U	230	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	210	U	210	500	ug/L
87-61-6	1,2,3-Trichlorobenzene	260	U	260	500	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	47.5		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.218			
540-36-3	1,4-Difluorobenzene	349000	9.094			
3114-55-4	Chlorobenzene-d5	306000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-3	SDG No.:	P4770
Lab Sample ID:	P4770-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084941.D	500		11/19/24 12:52	VN111924

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:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-10	SDG No.:	P4770
Lab Sample ID:	P4770-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084863.D	500		11/14/24 19:46	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/L
74-87-3	Chloromethane	180	U	180	500	ug/L
75-01-4	Vinyl Chloride	170	U	170	500	ug/L
74-83-9	Bromomethane	680	U	680	2500	ug/L
75-00-3	Chloroethane	280	U	280	500	ug/L
75-69-4	Trichlorofluoromethane	170	U	170	500	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	130	U	130	500	ug/L
75-65-0	Tert butyl alcohol	2800	U	2800	12500	ug/L
75-35-4	1,1-Dichloroethene	130	U	130	500	ug/L
67-64-1	Acetone	700	U	700	2500	ug/L
75-15-0	Carbon Disulfide	160	U	160	500	ug/L
1634-04-4	Methyl tert-butyl Ether	80.0	U	80.0	500	ug/L
79-20-9	Methyl Acetate	300	U	300	500	ug/L
75-09-2	Methylene Chloride	160	U	160	500	ug/L
156-60-5	trans-1,2-Dichloroethene	130	U	130	500	ug/L
75-34-3	1,1-Dichloroethane	120	U	120	500	ug/L
110-82-7	Cyclohexane	810	U	810	2500	ug/L
78-93-3	2-Butanone	650	U	650	2500	ug/L
56-23-5	Carbon Tetrachloride	130	U	130	500	ug/L
156-59-2	cis-1,2-Dichloroethene	130	U	130	500	ug/L
74-97-5	Bromochloromethane	90.0	U	90.0	500	ug/L
67-66-3	Chloroform	130	U	130	500	ug/L
71-55-6	1,1,1-Trichloroethane	95.0	U	95.0	500	ug/L
108-87-2	Methylcyclohexane	95.0	U	95.0	500	ug/L
71-43-2	Benzene	80.0	U	80.0	500	ug/L
107-06-2	1,2-Dichloroethane	120	U	120	500	ug/L
79-01-6	Trichloroethene	160	U	160	500	ug/L
78-87-5	1,2-Dichloropropane	95.0	U	95.0	500	ug/L
75-27-4	Bromodichloromethane	120	U	120	500	ug/L
108-10-1	4-Methyl-2-Pentanone	380	U	380	2500	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-10	SDG No.:	P4770
Lab Sample ID:	P4770-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084863.D	500		11/14/24 19:46	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	140	J	90.0	500	ug/L
10061-02-6	t-1,3-Dichloropropene	110	U	110	500	ug/L
10061-01-5	cis-1,3-Dichloropropene	90.0	U	90.0	500	ug/L
79-00-5	1,1,2-Trichloroethane	110	U	110	500	ug/L
591-78-6	2-Hexanone	570	U	570	2500	ug/L
124-48-1	Dibromochloromethane	90.0	U	90.0	500	ug/L
106-93-4	1,2-Dibromoethane	80.0	U	80.0	500	ug/L
127-18-4	Tetrachloroethene	130	U	130	500	ug/L
108-90-7	Chlorobenzene	65.0	U	65.0	500	ug/L
100-41-4	Ethyl Benzene	80.0	U	80.0	500	ug/L
179601-23-1	m/p-Xylenes	270	J	160	1000	ug/L
95-47-6	o-Xylene	70.0	U	70.0	500	ug/L
100-42-5	Styrene	80.0	U	80.0	500	ug/L
75-25-2	Bromoform	110	U	110	500	ug/L
98-82-8	Isopropylbenzene	65.0	U	65.0	500	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	140	U	140	500	ug/L
541-73-1	1,3-Dichlorobenzene	120	U	120	500	ug/L
106-46-7	1,4-Dichlorobenzene	140	U	140	500	ug/L
95-50-1	1,2-Dichlorobenzene	95.0	U	95.0	500	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	230	U	230	500	ug/L
120-82-1	1,2,4-Trichlorobenzene	210	U	210	500	ug/L
87-61-6	1,2,3-Trichlorobenzene	260	U	260	500	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	46.9		70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	46.2		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	8.218			
540-36-3	1,4-Difluorobenzene	301000	9.094			
3114-55-4	Chlorobenzene-d5	262000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	MW-10	SDG No.:	P4770
Lab Sample ID:	P4770-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084863.D	500		11/14/24 19:46	VN111424

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:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	FIELD-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084830.D	1		11/13/24 16:47	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	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	0.60	UQ	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	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	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	FIELD-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084830.D	1		11/13/24 16:47	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	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	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	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	48.6		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	46.4		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	8.218			
540-36-3	1,4-Difluorobenzene	285000	9.1			
3114-55-4	Chlorobenzene-d5	254000	11.864			
3855-82-1	1,4-Dichlorobenzene-d4	114000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	FIELD-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084830.D	1		11/13/24 16:47	VN111324

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:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	TRIP-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084832.D	1		11/13/24 17:35	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	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	0.60	UQ	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	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	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	TRIP-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084832.D	1		11/13/24 17:35	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	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	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	47.1		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.218			
540-36-3	1,4-Difluorobenzene	277000	9.1			
3114-55-4	Chlorobenzene-d5	246000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.788			

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

Report of Analysis

Client:	M2 Associates	Date Collected:	11/07/24
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	11/07/24
Client Sample ID:	TRIP-BLANK	SDG No.:	P4770
Lab Sample ID:	P4770-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084832.D	1		11/13/24 17:35	VN111324

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,
Fax : 908 789 8922

Surrogate Summary

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4770-01	MW-1	1,2-Dichloroethane-d4	50	51.8	104	70 (74)	130 (125)
		Dibromofluoromethane	50	48.1	96	70 (75)	130 (124)
		Toluene-d8	50	46.3	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)
P4770-02	MW-3	1,2-Dichloroethane-d4	50	50.0	100	70 (74)	130 (125)
		Dibromofluoromethane	50	47.9	96	70 (75)	130 (124)
		Toluene-d8	50	47.5	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.3	101	70 (77)	130 (121)
P4770-03	MW-10	1,2-Dichloroethane-d4	50	48.3	97	70 (74)	130 (125)
		Dibromofluoromethane	50	46.9	94	70 (75)	130 (124)
		Toluene-d8	50	46.2	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97	70 (77)	130 (121)
P4770-04	FIELD-BLANK	1,2-Dichloroethane-d4	50	48.7	97	70 (74)	130 (125)
		Dibromofluoromethane	50	48.6	97	70 (75)	130 (124)
		Toluene-d8	50	46.4	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.9	96	70 (77)	130 (121)
P4770-05	TRIP-BLANK	1,2-Dichloroethane-d4	50	48.3	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.8	100	70 (75)	130 (124)
		Toluene-d8	50	47.1	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.0	92	70 (77)	130 (121)
VN1113WBL01	VN1113WBL01	1,2-Dichloroethane-d4	50	49.5	99	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	46.6	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.8	92	70 (77)	130 (121)
VN1113WBS01	VN1113WBS01	1,2-Dichloroethane-d4	50	46.4	93	70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100	70 (75)	130 (124)
		Toluene-d8	50	49.2	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)
VN1113WBSD0	VN1113WBSD01	1,2-Dichloroethane-d4	50	45.4	91	70 (74)	130 (125)
		Dibromofluoromethane	50	48.6	97	70 (75)	130 (124)
		Toluene-d8	50	47.8	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.0	102	70 (77)	130 (121)
VN1114WBL01	VN1114WBL01	1,2-Dichloroethane-d4	50	51.0	102	70 (74)	130 (125)
		Dibromofluoromethane	50	52.0	104	70 (75)	130 (124)
		Toluene-d8	50	46.3	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94	70 (77)	130 (121)
VN1114WBS02	VN1114WBS02	1,2-Dichloroethane-d4	50	46.6	93	70 (74)	130 (125)
		Dibromofluoromethane	50	50.8	102	70 (75)	130 (124)
		Toluene-d8	50	49.0	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.6	99	70 (77)	130 (121)
VN1119WBL01	VN1119WBL01	1,2-Dichloroethane-d4	50	51.3	103	70 (74)	130 (125)
		Dibromofluoromethane	50	48.4	97	70 (75)	130 (124)
		Toluene-d8	50	46.5	93	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.9	92	70 (77)	130 (121)
VN1119WBS01	VN1119WBS01	1,2-Dichloroethane-d4	50	47.8	96	70 (74)	130 (125)
		Dibromofluoromethane	50	46.5	93	70 (75)	130 (124)
		Toluene-d8	50	45.6	91	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.2	96	70 (77)	130 (121)
VN1120WBL01	VN1120WBL01	1,2-Dichloroethane-d4	50	51.1	102	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)

( ) = LABORATORY INHOUSE LIMIT

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

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN1120WBL01	VN1120WBL01	Toluene-d8	50	46.1	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.4	93	70 (77)	130 (121)
VN1120WBS02	VN1120WBS02	1,2-Dichloroethane-d4	50	46.9	94	70 (74)	130 (125)
		Dibromofluoromethane	50	48.3	97	70 (75)	130 (124)
		Toluene-d8	50	44.9	90	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.2	96	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084822.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBS01	Dichlorodifluoromethane	20	17.7	ug/L	89			40 (69)	160 (116)	
	Chloromethane	20	15.0	ug/L	75			40 (65)	160 (116)	
	Vinyl chloride	20	20.1	ug/L	101			70 (65)	130 (117)	
	Bromomethane	20	19.6	ug/L	98			40 (58)	160 (125)	
	Chloroethane	20	20.9	ug/L	104			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.3	ug/L	92			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			70 (80)	130 (112)	
	Tert butyl alcohol	100	88.1	ug/L	88			70 (73)	130 (124)	
	1,1-Dichloroethene	20	17.5	ug/L	88			70 (74)	130 (110)	
	Acetone	100	89.8	ug/L	90			40 (60)	160 (125)	
	Carbon disulfide	20	15.6	ug/L	78			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			70 (78)	130 (114)	
	Methyl Acetate	20	13.3	ug/L	67		*	70 (67)	130 (125)	
	Methylene Chloride	20	17.5	ug/L	88			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.0	ug/L	90			70 (78)	130 (112)	
	Cyclohexane	20	18.1	ug/L	91			70 (75)	130 (110)	
	2-Butanone	100	91.6	ug/L	92			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.1	ug/L	101			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.3	ug/L	92			70 (77)	130 (110)	
	Bromochloromethane	20	20.9	ug/L	104			70 (70)	130 (124)	
	Chloroform	20	18.9	ug/L	95			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.9	ug/L	95			70 (80)	130 (108)	
	Methylcyclohexane	20	19.8	ug/L	99			70 (72)	130 (115)	
	Benzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.0	ug/L	95			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.3	ug/L	97			70 (83)	130 (111)	
	Bromodichloromethane	20	19.3	ug/L	97			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	98.0	ug/L	98			40 (74)	160 (118)	
	Toluene	20	20.0	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.2	ug/L	91			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			70 (83)	130 (112)	
	2-Hexanone	100	99.3	ug/L	99			40 (73)	160 (117)	
	Dibromochloromethane	20	19.6	ug/L	98			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.1	ug/L	96			70 (81)	130 (110)	
	Tetrachloroethene	20	20.6	ug/L	103			70 (67)	130 (123)	
	Chlorobenzene	20	18.9	ug/L	95			70 (82)	130 (109)	
	Ethyl Benzene	20	19.7	ug/L	99			70 (83)	130 (109)	
	m/p-Xylenes	40	39.9	ug/L	100			70 (82)	130 (110)	
	o-Xylene	20	20.9	ug/L	104			70 (83)	130 (109)	
	Styrene	20	19.8	ug/L	99			70 (80)	130 (111)	
	Bromoform	20	19.5	ug/L	98			70 (79)	130 (109)	
	Isopropylbenzene	20	19.1	ug/L	96			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	16.9	ug/L	85			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			70 (82)	130 (107)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084822.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBS01	1,2-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	16.2	ug/L	81			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	16.1	ug/L	81			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	15.7	ug/L	79			70 (76)	130 (114)	

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084823.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1113WBSD01	Dichlorodifluoromethane	20	20.5	ug/L	103	15		40 (69)	160 (116)	20 (20)
	Chloromethane	20	17.0	ug/L	85	13		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	21.9	ug/L	110	9		70 (65)	130 (117)	20 (20)
	Bromomethane	20	21.4	ug/L	107	9		40 (58)	160 (125)	20 (20)
	Chloroethane	20	22.6	ug/L	113	8		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	20.9	ug/L	104	12		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/L	106	14		70 (80)	130 (112)	20 (20)
	Tert butyl alcohol	100	100	ug/L	100	13		70 (73)	130 (124)	20 (20)
	1,1-Dichloroethene	20	19.8	ug/L	99	12		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	11		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.2	ug/L	91	15		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	21.4	ug/L	107	13		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	16.3	ug/L	81	19		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.5	ug/L	103	16		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	20.1	ug/L	101	14		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.1	ug/L	101	12		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.4	ug/L	102	11		70 (75)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	8		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	21.9	ug/L	110	9		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	20.5	ug/L	103	11		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	20.9	ug/L	104	0		70 (70)	130 (124)	20 (20)
	Chloroform	20	21.5	ug/L	108	13		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	21.0	ug/L	105	10		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	21.8	ug/L	109	10		70 (72)	130 (115)	20 (20)
	Benzene	20	20.7	ug/L	104	11		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	21.5	ug/L	108	13		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	22.3	ug/L	112	15		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	21.0	ug/L	105	8		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	21.4	ug/L	107	10		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	12		40 (74)	160 (118)	20 (20)
	Toluene	20	21.4	ug/L	107	7		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	20.5	ug/L	103	12		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	21.0	ug/L	105	9		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	21.2	ug/L	106	8		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	11		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	23.0	ug/L	115	16		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.8	ug/L	104	8		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	22.0	ug/L	110	7		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	20.5	ug/L	103	8		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	21.0	ug/L	105	6		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	42.9	ug/L	107	7		70 (82)	130 (110)	20 (20)
	o-Xylene	20	22.0	ug/L	110	6		70 (83)	130 (109)	20 (20)
	Styrene	20	21.5	ug/L	108	9		70 (80)	130 (111)	20 (20)
	Bromoform	20	21.7	ug/L	109	11		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.9	ug/L	100	4		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94	7		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	18.4	ug/L	92	8		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.7	ug/L	99	6		70 (82)	130 (107)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084823.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1113WBSD01	1,2-Dichlorobenzene	20	18.6	ug/L	93	4		70 (82)	130 (109)	20 (20)
	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96	17		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89	9		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86	8		70 (76)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084846.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1114WBS02	Dichlorodifluoromethane	20	19.4	ug/L	97			40 (69)	160 (116)	
	Chloromethane	20	16.3	ug/L	81			40 (65)	160 (116)	
	Vinyl chloride	20	21.6	ug/L	108			70 (65)	130 (117)	
	Bromomethane	20	20.5	ug/L	103			40 (58)	160 (125)	
	Chloroethane	20	21.5	ug/L	108			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.9	ug/L	100			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104			70 (80)	130 (112)	
	Tert butyl alcohol	100	97.9	ug/L	98			70 (73)	130 (124)	
	1,1-Dichloroethene	20	18.8	ug/L	94			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	17.3	ug/L	86			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.4	ug/L	102			70 (78)	130 (114)	
	Methyl Acetate	20	15.1	ug/L	76			70 (67)	130 (125)	
	Methylene Chloride	20	19.1	ug/L	96			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.2	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	19.1	ug/L	96			70 (75)	130 (110)	
	2-Butanone	100	98.4	ug/L	98			40 (65)	160 (122)	
	Carbon Tetrachloride	20	22.2	ug/L	111			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			70 (77)	130 (110)	
	Bromochloromethane	20	20.5	ug/L	103			70 (70)	130 (124)	
	Chloroform	20	20.2	ug/L	101			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			70 (80)	130 (108)	
	Methylcyclohexane	20	22.5	ug/L	113			70 (72)	130 (115)	
	Benzene	20	20.6	ug/L	103			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.7	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	21.2	ug/L	106			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.0	ug/L	105			70 (83)	130 (111)	
	Bromodichloromethane	20	20.5	ug/L	103			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	21.6	ug/L	108			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.5	ug/L	103			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.9	ug/L	104			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.6	ug/L	108			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	21.6	ug/L	108			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.1	ug/L	106			70 (81)	130 (110)	
	Tetrachloroethene	20	22.2	ug/L	111			70 (67)	130 (123)	
	Chlorobenzene	20	21.1	ug/L	106			70 (82)	130 (109)	
	Ethyl Benzene	20	21.4	ug/L	107			70 (83)	130 (109)	
	m/p-Xylenes	40	43.2	ug/L	108			70 (82)	130 (110)	
	o-Xylene	20	22.6	ug/L	113			70 (83)	130 (109)	
	Styrene	20	22.0	ug/L	110			70 (80)	130 (111)	
	Bromoform	20	20.9	ug/L	104			70 (79)	130 (109)	
	Isopropylbenzene	20	21.3	ug/L	106			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.2	ug/L	96			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	20.3	ug/L	102			70 (82)	130 (107)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084846.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1114WBS02	1,2-Dichlorobenzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	18.0	ug/L	90			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.6	ug/L	93			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084938.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1119WBS01	Dichlorodifluoromethane	20	18.8	ug/L	94			40 (69)	160 (116)	
	Chloromethane	20	16.8	ug/L	84			40 (65)	160 (116)	
	Vinyl chloride	20	19.4	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	18.8	ug/L	94			40 (58)	160 (125)	
	Chloroethane	20	19.9	ug/L	100			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.8	ug/L	99			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/L	104			70 (80)	130 (112)	
	Tert butyl alcohol	100	120	ug/L	120			70 (73)	130 (124)	
	1,1-Dichloroethene	20	18.9	ug/L	95			70 (74)	130 (110)	
	Acetone	100	120	ug/L	120			40 (60)	160 (125)	
	Carbon disulfide	20	16.3	ug/L	81			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	18.6	ug/L	93			70 (67)	130 (125)	
	Methylene Chloride	20	19.3	ug/L	97			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.1	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	19.1	ug/L	96			70 (75)	130 (110)	
	2-Butanone	100	120	ug/L	120			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.5	ug/L	98			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	23.3	ug/L	117			70 (70)	130 (124)	
	Chloroform	20	20.7	ug/L	104			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			70 (80)	130 (108)	
	Methylcyclohexane	20	19.5	ug/L	98			70 (72)	130 (115)	
	Benzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.1	ug/L	106			70 (80)	130 (115)	
	Trichloroethene	20	18.7	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.9	ug/L	100			70 (83)	130 (111)	
	Bromodichloromethane	20	20.1	ug/L	101			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	20.6	ug/L	103			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.8	ug/L	99			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.8	ug/L	104			70 (83)	130 (112)	
	2-Hexanone	100	120	ug/L	120			40 (73)	160 (117)	
	Dibromochloromethane	20	20.0	ug/L	100			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.9	ug/L	100			70 (81)	130 (110)	
	Tetrachloroethene	20	19.2	ug/L	96			70 (67)	130 (123)	
	Chlorobenzene	20	18.9	ug/L	95			70 (82)	130 (109)	
	Ethyl Benzene	20	19.4	ug/L	97			70 (83)	130 (109)	
	m/p-Xylenes	40	40.1	ug/L	100			70 (82)	130 (110)	
	o-Xylene	20	20.6	ug/L	103			70 (83)	130 (109)	
	Styrene	20	19.4	ug/L	97			70 (80)	130 (111)	
	Bromoform	20	20.3	ug/L	102			70 (79)	130 (109)	
	Isopropylbenzene	20	18.9	ug/L	95			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	16.7	ug/L	84			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.5	ug/L	88			70 (82)	130 (107)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084938.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1119WBS01	1,2-Dichlorobenzene	20	16.9	ug/L	85			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	15.0	ug/L	75			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	14.8	ug/L	74			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1120WBS02	Dichlorodifluoromethane	20	20.6	ug/L	103			40 (69)	160 (116)	
	Chloromethane	20	17.8	ug/L	89			40 (65)	160 (116)	
	Vinyl chloride	20	19.3	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	20.1	ug/L	101			40 (58)	160 (125)	
	Chloroethane	20	19.2	ug/L	96			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.8	ug/L	99			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70 (80)	130 (112)	
	Tert butyl alcohol	100	120	ug/L	120			70 (73)	130 (124)	
	1,1-Dichloroethene	20	19.0	ug/L	95			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	17.8	ug/L	89			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	21.8	ug/L	109			70 (78)	130 (114)	
	Methyl Acetate	20	19.7	ug/L	99			70 (67)	130 (125)	
	Methylene Chloride	20	20.2	ug/L	101			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.2	ug/L	96			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.8	ug/L	99			70 (78)	130 (112)	
	Cyclohexane	20	18.8	ug/L	94			70 (75)	130 (110)	
	2-Butanone	100	120	ug/L	120			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.8	ug/L	104			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			70 (77)	130 (110)	
	Bromochloromethane	20	21.8	ug/L	109			70 (70)	130 (124)	
	Chloroform	20	20.6	ug/L	103			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			70 (80)	130 (108)	
	Methylcyclohexane	20	20.6	ug/L	103			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.4	ug/L	107			70 (80)	130 (115)	
	Trichloroethene	20	19.6	ug/L	98			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.7	ug/L	104			70 (83)	130 (111)	
	Bromodichloromethane	20	20.2	ug/L	101			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	130	ug/L	130			40 (74)	160 (118)	
	Toluene	20	20.7	ug/L	104			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.4	ug/L	97			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			70 (83)	130 (112)	
	2-Hexanone	100	130	ug/L	130			40 (73)	160 (117)	
	Dibromochloromethane	20	21.5	ug/L	108			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.3	ug/L	106			70 (81)	130 (110)	
	Tetrachloroethene	20	19.7	ug/L	99			70 (67)	130 (123)	
	Chlorobenzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	Ethyl Benzene	20	19.6	ug/L	98			70 (83)	130 (109)	
	m/p-Xylenes	40	39.3	ug/L	98			70 (82)	130 (110)	
	o-Xylene	20	20.7	ug/L	104			70 (83)	130 (109)	
	Styrene	20	20.2	ug/L	101			70 (80)	130 (111)	
	Bromoform	20	20.0	ug/L	100			70 (79)	130 (109)	
	Isopropylbenzene	20	19.3	ug/L	97			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.5	ug/L	88			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (107)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4770

Client: M2 Associates

Analytical Method: SW8260-Low **Datafile :** VN084964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1120WBS02	1,2-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	20.6	ug/L	103			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	16.0	ug/L	80			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	16.5	ug/L	83			70 (76)	130 (114)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1113WBL01

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084817.D Lab Sample ID: VN1113WBL01

Date Analyzed: 11/13/2024 Time Analyzed: 10:50

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
VN1113WBS01	VN1113WBS01	VN084822.D	11/13/2024
VN1113WBSD01	VN1113WBSD01	VN084823.D	11/13/2024
FIELD-BLANK	P4770-04	VN084830.D	11/13/2024
TRIP-BLANK	P4770-05	VN084832.D	11/13/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1114WBL01

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084844.D Lab Sample ID: VN1114WBL01

Date Analyzed: 11/14/2024 Time Analyzed: 10:52

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
VN1114WBS02	VN1114WBS02	VN084846.D	11/14/2024
MW-10	P4770-03	VN084863.D	11/14/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1119WBL01

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084937.D Lab Sample ID: VN1119WBL01

Date Analyzed: 11/19/2024 Time Analyzed: 11:07

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
VN1119WBS01	VN1119WBS01	VN084938.D	11/19/2024
MW-3	P4770-02	VN084941.D	11/19/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1120WBL01

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084962.D Lab Sample ID: VN1120WBL01

Date Analyzed: 11/20/2024 Time Analyzed: 12:21

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
VN1120WBS02	VN1120WBS02	VN084964.D	11/20/2024
MW-1	P4770-01	VN084983.D	11/20/2024

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

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	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 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	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084814.D BFB Injection Date: 11/13/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:53

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	17.2
75	30.0 - 60.0% of mass 95	50.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	76.3
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	75.8 (99.3) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084815.D	11/13/2024	09:52
VN1113WBL01	VN1113WBL01	VN084817.D	11/13/2024	10:50
VN1113WBS01	VN1113WBS01	VN084822.D	11/13/2024	13:24
VN1113WBSD01	VN1113WBSD01	VN084823.D	11/13/2024	14:00
FIELD-BLANK	P4770-04	VN084830.D	11/13/2024	16:47
TRIP-BLANK	P4770-05	VN084832.D	11/13/2024	17:35

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084841.D BFB Injection Date: 11/14/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:53

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	17.9
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	74.4
175	5.0 - 9.0% of mass 174	5.6 (7.5) 1
176	95.0 - 101.0% of mass 174	73.3 (98.5) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 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	VN084842.D	11/14/2024	09:54
VN1114WBL01	VN1114WBL01	VN084844.D	11/14/2024	10:52
VN1114WBS02	VN1114WBS02	VN084846.D	11/14/2024	12:50
MW-10	P4770-03	VN084863.D	11/14/2024	19:46

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084934.D BFB Injection Date: 11/19/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:15

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	18
75	30.0 - 60.0% of mass 95	51.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	72.3
175	5.0 - 9.0% of mass 174	5.1 (7.1) 1
176	95.0 - 101.0% of mass 174	68.9 (95.3) 1
177	5.0 - 9.0% of mass 176	4.4 (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
VSTDCCC050	VSTDCCC050	VN084935.D	11/19/2024	09:27
VN1119WBL01	VN1119WBL01	VN084937.D	11/19/2024	11:07
VN1119WBS01	VN1119WBS01	VN084938.D	11/19/2024	11:40
MW-3	P4770-02	VN084941.D	11/19/2024	12:52

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084959.D BFB Injection Date: 11/20/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:51

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	18.3
75	30.0 - 60.0% of mass 95	52.8
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	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	68.8 (95) 1
177	5.0 - 9.0% of mass 176	4.7 (6.9) 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	VN084960.D	11/20/2024	11:18
VN1120WBL01	VN1120WBL01	VN084962.D	11/20/2024	12:21
VN1120WBS02	VN1120WBS02	VN084964.D	11/20/2024	13:20
MW-1	P4770-01	VN084983.D	11/20/2024	20:58

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084815.D Date Analyzed: 11/13/2024

Instrument ID: MSVOA_N Time Analyzed: 09:52

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	176295	8.22	281546	9.09	243058	11.87
UPPER LIMIT	352590	8.718	563092	9.594	486116	12.365
LOWER LIMIT	88147.5	7.718	140773	8.594	121529	11.365
EPA SAMPLE NO.						
FIELD-BLANK	165362	8.22	285235	9.10	254102	11.86
TRIP-BLANK	162509	8.22	277494	9.10	246107	11.87
VN1113WBL01	177026	8.22	303081	9.09	266497	11.87
VN1113WBS01	193540	8.22	311172	9.10	273249	11.87
VN1113WBSD01	144835	8.22	235271	9.10	211677	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: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084815.D Date Analyzed: 11/13/2024

Instrument ID: MSVOA_N Time Analyzed: 09:52

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

	IS4 AREA #	RT #				
12 HOUR STD	126719	13.788				
UPPER LIMIT	253438	14.288				
LOWER LIMIT	63359.5	13.288				
EPA SAMPLE NO.						
FIELD-BLANK	114393	13.79				
TRIP-BLANK	108148	13.79				
VN1113WBL01	115573	13.79				
VN1113WBS01	141208	13.79				
VN1113WBSD01	110546	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084842.D Date Analyzed: 11/14/2024

Instrument ID: MSVOA_N Time Analyzed: 09:54

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	192160	8.22	316615	9.09	272995	11.87
UPPER LIMIT	384320	8.718	633230	9.594	545990	12.365
LOWER LIMIT	96080	7.718	158308	8.594	136498	11.365
EPA SAMPLE NO.						
MW-10	170053	8.22	300668	9.09	261851	11.87
VN1114WBL01	203029	8.22	340637	9.09	293869	11.86
VN1114WBS02	169550	8.22	270058	9.09	234639	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: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084842.D Date Analyzed: 11/14/2024

Instrument ID: MSVOA_N Time Analyzed: 09:54

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

	IS4 AREA #	RT #				
12 HOUR STD	137639	13.788				
UPPER LIMIT	275278	14.288				
LOWER LIMIT	68819.5	13.288				
EPA SAMPLE NO.						
MW-10	123285	13.79				
VN1114WBL01	131669	13.79				
VN1114WBS02	118912	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084935.D Date Analyzed: 11/19/2024

Instrument ID: MSVOA_N Time Analyzed: 09:27

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	191121	8.22	319795	9.09	272380	11.87
UPPER LIMIT	382242	8.718	639590	9.594	544760	12.365
LOWER LIMIT	95560.5	7.718	159898	8.594	136190	11.365
EPA SAMPLE NO.						
MW-3	194823	8.22	349222	9.09	306335	11.87
VN1119WBL01	193589	8.22	346862	9.10	301411	11.87
VN1119WBS01	167364	8.22	286809	9.10	252679	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: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084935.D Date Analyzed: 11/19/2024

Instrument ID: MSVOA_N Time Analyzed: 09:27

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

	IS4 AREA #	RT #				
12 HOUR STD	140060	13.788				
UPPER LIMIT	280120	14.288				
LOWER LIMIT	70030	13.288				
EPA SAMPLE NO.						
MW-3	148014	13.79				
VN1119WBL01	128229	13.79				
VN1119WBS01	131165	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084960.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_N Time Analyzed: 11:18

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	164992	8.22	271316	9.10	240365	11.87
UPPER LIMIT	329984	8.724	542632	9.6	480730	12.365
LOWER LIMIT	82496	7.724	135658	8.6	120183	11.365
EPA SAMPLE NO.						
MW-1	152380	8.22	277071	9.10	242199	11.87
VN1120WBL01	178908	8.22	319489	9.10	277659	11.87
VN1120WBS02	150630	8.22	253557	9.10	229692	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: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG NO.: P4770

Lab File ID: VN084960.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_N Time Analyzed: 11:18

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

	IS4 AREA #	RT #				
12 HOUR STD	122785	13.788				
UPPER LIMIT	245570	14.288				
LOWER LIMIT	61392.5	13.288				
EPA SAMPLE NO.						
MW-1	122080	13.79				
VN1120WBL01	123641	13.79				
VN1120WBS02	114872	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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4770
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	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	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	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	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

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

Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4770
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	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	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	46.6		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	8.218			
540-36-3	1,4-Difluorobenzene	303000	9.094			
3114-55-4	Chlorobenzene-d5	266000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4770
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

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:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBL01	SDG No.:	P4770
Lab Sample ID:	VN1114WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084844.D	1		11/14/24 10:52	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	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	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	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	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBL01	SDG No.:	P4770
Lab Sample ID:	VN1114WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084844.D	1		11/14/24 10:52	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	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	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	46.3		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	8.218			
540-36-3	1,4-Difluorobenzene	341000	9.094			
3114-55-4	Chlorobenzene-d5	294000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBL01	SDG No.:	P4770
Lab Sample ID:	VN1114WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084844.D	1		11/14/24 10:52	VN111424

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:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBL01	SDG No.:	P4770
Lab Sample ID:	VN1119WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084937.D	1		11/19/24 11:07	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	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	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	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	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBL01	SDG No.:	P4770
Lab Sample ID:	VN1119WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084937.D	1		11/19/24 11:07	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	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	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		70 (77) - 130 (121)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	8.218			
540-36-3	1,4-Difluorobenzene	347000	9.1			
3114-55-4	Chlorobenzene-d5	301000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBL01	SDG No.:	P4770
Lab Sample ID:	VN1119WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084937.D	1		11/19/24 11:07	VN111924

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:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4770
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	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	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	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	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4770
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	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	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	8.218			
540-36-3	1,4-Difluorobenzene	319000	9.1			
3114-55-4	Chlorobenzene-d5	278000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.794			

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4770
Lab Sample ID:	VN1120WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

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:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4770
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.7		0.21	1.00	ug/L
74-87-3	Chloromethane	15.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	20.1		0.34	1.00	ug/L
74-83-9	Bromomethane	19.6		1.40	5.00	ug/L
75-00-3	Chloroethane	20.9		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	88.1		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
67-64-1	Acetone	89.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	15.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	13.3		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.60	5.00	ug/L
78-93-3	2-Butanone	91.6		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.3		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.18	1.00	ug/L
67-66-3	Chloroform	18.9		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.19	1.00	ug/L
71-43-2	Benzene	18.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.0		0.75	5.00	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4770
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.0		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.2		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	99.3		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.6		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.9		0.31	2.00	ug/L
95-47-6	o-Xylene	20.9		0.14	1.00	ug/L
100-42-5	Styrene	19.8		0.16	1.00	ug/L
75-25-2	Bromoform	19.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.1		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.9		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.2		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.1		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.7		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	8.224			
540-36-3	1,4-Difluorobenzene	311000	9.1			
3114-55-4	Chlorobenzene-d5	273000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4770
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

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:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBS02	SDG No.:	P4770
Lab Sample ID:	VN1114WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084846.D	1		11/14/24 12:50	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		0.21	1.00	ug/L
74-87-3	Chloromethane	16.3		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.6		0.34	1.00	ug/L
74-83-9	Bromomethane	20.5		1.40	5.00	ug/L
75-00-3	Chloroethane	21.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	97.9		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.26	1.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.3		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	15.1		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.1		1.60	5.00	ug/L
78-93-3	2-Butanone	98.4		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	22.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.5		0.18	1.00	ug/L
67-66-3	Chloroform	20.2		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	22.5		0.19	1.00	ug/L
71-43-2	Benzene	20.6		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.24	1.00	ug/L
79-01-6	Trichloroethene	21.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.5		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBS02	SDG No.:	P4770
Lab Sample ID:	VN1114WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084846.D	1		11/14/24 12:50	VN111424

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	21.6		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.9		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	21.1		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.4		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	43.2		0.31	2.00	ug/L
95-47-6	o-Xylene	22.6		0.14	1.00	ug/L
100-42-5	Styrene	22.0		0.16	1.00	ug/L
75-25-2	Bromoform	20.9		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	21.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.3		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.3		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.6		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.6		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	170000	8.218			
540-36-3	1,4-Difluorobenzene	270000	9.094			
3114-55-4	Chlorobenzene-d5	235000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1114WBS02	SDG No.:	P4770
Lab Sample ID:	VN1114WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084846.D	1		11/14/24 12:50	VN111424

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:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBS01	SDG No.:	P4770
Lab Sample ID:	VN1119WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084938.D	1		11/19/24 11:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.8		0.21	1.00	ug/L
74-87-3	Chloromethane	16.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.34	1.00	ug/L
74-83-9	Bromomethane	18.8		1.40	5.00	ug/L
75-00-3	Chloroethane	19.9		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	120		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.26	1.00	ug/L
67-64-1	Acetone	120		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.3		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.6		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.3		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.1		1.60	5.00	ug/L
78-93-3	2-Butanone	120		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.25	1.00	ug/L
74-97-5	Bromochloromethane	23.3		0.18	1.00	ug/L
67-66-3	Chloroform	20.7		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.5		0.19	1.00	ug/L
71-43-2	Benzene	19.3		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.1		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.1		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBS01	SDG No.:	P4770
Lab Sample ID:	VN1119WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084938.D	1		11/19/24 11:40	VN111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.6		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.9		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.1		0.31	2.00	ug/L
95-47-6	o-Xylene	20.6		0.14	1.00	ug/L
100-42-5	Styrene	19.4		0.16	1.00	ug/L
75-25-2	Bromoform	20.3		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.7		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.5		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.9		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	14.8		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		70 (75) - 130 (124)	93%	SPK: 50
2037-26-5	Toluene-d8	45.6		70 (86) - 130 (113)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.218			
540-36-3	1,4-Difluorobenzene	287000	9.1			
3114-55-4	Chlorobenzene-d5	253000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1119WBS01	SDG No.:	P4770
Lab Sample ID:	VN1119WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084938.D	1		11/19/24 11:40	VN111924

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:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4770
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		0.21	1.00	ug/L
74-87-3	Chloromethane	17.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.3		0.34	1.00	ug/L
74-83-9	Bromomethane	20.1		1.40	5.00	ug/L
75-00-3	Chloroethane	19.2		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	120		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.60	5.00	ug/L
78-93-3	2-Butanone	120		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.8		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.6		0.19	1.00	ug/L
71-43-2	Benzene	19.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.2		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	130		0.75	5.00	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4770
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.7		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	130		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.31	2.00	ug/L
95-47-6	o-Xylene	20.7		0.14	1.00	ug/L
100-42-5	Styrene	20.2		0.16	1.00	ug/L
75-25-2	Bromoform	20.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.5		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.5		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	44.9		70 (86) - 130 (113)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	8.224			
540-36-3	1,4-Difluorobenzene	254000	9.1			
3114-55-4	Chlorobenzene-d5	230000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4770
Lab Sample ID:	VN1120WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

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:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4770
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.5		0.21	1.00	ug/L
74-87-3	Chloromethane	17.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.9		0.34	1.00	ug/L
74-83-9	Bromomethane	21.4		1.40	5.00	ug/L
75-00-3	Chloroethane	22.6		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.8		0.26	1.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.3		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.4		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.5		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.18	1.00	ug/L
67-66-3	Chloroform	21.5		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.8		0.19	1.00	ug/L
71-43-2	Benzene	20.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	22.3		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	21.4		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4770
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	21.4		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	23.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	42.9		0.31	2.00	ug/L
95-47-6	o-Xylene	22.0		0.14	1.00	ug/L
100-42-5	Styrene	21.5		0.16	1.00	ug/L
75-25-2	Bromoform	21.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.7		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.3		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		70 (74) - 130 (125)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	47.8		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	145000	8.218			
540-36-3	1,4-Difluorobenzene	235000	9.1			
3114-55-4	Chlorobenzene-d5	212000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788			

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Report of Analysis

Client:	M2 Associates	Date Collected:	
Project:	143 Red Lion Rd Southampton Twp, NJ	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4770
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

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: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.571	0.552	0.552	0.598	0.594	0.581	0.575	3.4
Chloromethane	0.658	0.672	0.725	0.871	0.995	1.789	0.952	45.2
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
Bromomethane	0.292	0.296	0.310	0.336	0.405		0.328	14.2
Chloroethane	0.378	0.376	0.413	0.426	0.475	0.863	0.488	38.3
Trichlorofluoromethane	0.971	0.959	1.017	1.022	1.070	1.071	1.018	4.7
1,1,2-Trichlorotrifluoroethane	0.566	0.557	0.571	0.585	0.588	0.586	0.575	2.2
Tert butyl alcohol	0.082	0.086	0.090	0.100	0.118		0.095	15.1
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
Acetone	0.209	0.204	0.213	0.223	0.241	0.338	0.238	21.3
Carbon Disulfide	1.604	1.603	1.700	1.714	1.784	2.117	1.753	10.9
Methyl tert-butyl Ether	1.773	1.758	1.802	1.779	1.786	1.572	1.745	4.9
Methyl Acetate	0.731	0.749	0.954	1.044	1.266	2.291	1.172	49.7
Methylene Chloride	0.604	0.602	0.633	0.658	0.714	0.600	0.635	7.1
trans-1,2-Dichloroethene	0.565	0.563	0.596	0.600	0.584	0.601	0.585	2.9
1,1-Dichloroethane	1.067	1.066	1.114	1.127	1.203	1.033	1.102	5.5
Cyclohexane	0.956	0.938	0.956	1.043	1.093		0.997	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
cis-1,2-Dichloroethene	0.675	0.662	0.697	0.685	0.705	0.673	0.683	2.4
Bromochloromethane	0.483	0.511	0.388	0.415	0.408	0.429	0.439	10.8
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
1,1,1-Trichloroethane	1.000	0.991	1.046	1.073	1.032	0.980	1.021	3.5
Methylcyclohexane	0.546	0.509	0.495	0.487	0.458	0.371	0.478	12.5
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
1,2-Dichloropropane	0.356	0.348	0.358	0.357	0.373	0.330	0.354	4
Bromodichloromethane	0.528	0.521	0.526	0.522	0.529	0.530	0.526	0.7
4-Methyl-2-Pentanone	0.424	0.423	0.416	0.417	0.412	0.344	0.406	7.6

* 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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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Toluene	0.923	0.899	0.919	0.902	0.891	0.757	0.882	7.1
t-1,3-Dichloropropene	0.552	0.543	0.538	0.532	0.547	0.555	0.544	1.6
cis-1,3-Dichloropropene	0.592	0.581	0.582	0.569	0.584	0.548	0.576	2.7
1,1,2-Trichloroethane	0.336	0.329	0.334	0.342	0.342	0.309	0.332	3.7
2-Hexanone	0.314	0.312	0.301	0.297	0.294	0.256	0.296	7.1
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9
1,2-Dibromoethane	0.340	0.333	0.341	0.335	0.355	0.336	0.340	2.4
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
Ethyl Benzene	1.957	1.891	1.928	1.880	1.849	1.697	1.867	4.9
m/p-Xylenes	0.737	0.728	0.737	0.701	0.683	0.654	0.707	4.8
o-Xylene	0.703	0.690	0.701	0.679	0.645	0.550	0.661	8.9
Styrene	1.223	1.205	1.206	1.144	1.093	1.050	1.154	6.1
Bromoform	0.287	0.295	0.298	0.289	0.302	0.286	0.293	2.3
Isopropylbenzene	3.558	3.570	3.701	3.605	3.402	3.188	3.504	5.2
1,1,2,2-Tetrachloroethane	1.052	1.073	1.163	1.190	1.317	1.222	1.170	8.4
1,3-Dichlorobenzene	1.642	1.668	1.770	1.802	1.884	2.264	1.838	12.3
1,4-Dichlorobenzene	1.646	1.674	1.782	1.867	1.879	2.773	1.937	21.7
1,2-Dichlorobenzene	1.601	1.618	1.748	1.732	1.879	2.021	1.766	9.1
1,2-Dibromo-3-Chloropropane	0.204	0.217	0.229	0.226	0.274	0.272	0.237	12.3
1,2,4-Trichlorobenzene	0.852	0.865	0.895	0.881	0.956	1.353	0.967	19.9
1,2,3-Trichlorobenzene	0.832	0.841	0.953	0.877	0.939	1.189	0.939	14.1
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/13/2024 09:52

Lab File ID: VN084815.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.546		-5.04	20
Chloromethane	0.952	0.608	0.1	-36.13	20
Vinyl Chloride	0.618	0.665		7.61	20
Bromomethane	0.328	0.336		2.44	20
Chloroethane	0.488	0.417		-14.55	20
Trichlorofluoromethane	1.018	1.038		1.97	20
1,1,2-Trichlorotrifluoroethane	0.575	0.578		0.52	20
Tert butyl alcohol	0.095	0.080		-15.79	20
1,1-Dichloroethene	0.569	0.539		-5.27	20
Acetone	0.238	0.205		-13.87	20
Carbon Disulfide	1.753	1.531		-12.66	20
Methyl tert-butyl Ether	1.745	1.800		3.15	20
Methyl Acetate	1.172	0.631		-46.16	20
Methylene Chloride	0.635	0.600		-5.51	20
trans-1,2-Dichloroethene	0.585	0.566		-3.25	20
1,1-Dichloroethane	1.102	1.068	0.1	-3.09	20
Cyclohexane	0.997	0.913		-8.43	20
2-Butanone	0.337	0.325		-3.56	20
Carbon Tetrachloride	0.525	0.567		8	20
cis-1,2-Dichloroethene	0.683	0.673		-1.46	20
Bromochloromethane	0.439	0.474		7.97	20
Chloroform	1.121	1.116		-0.45	20
1,1,1-Trichloroethane	1.021	1.034		1.27	20
Methylcyclohexane	0.478	0.545		14.02	20
Benzene	1.507	1.535		1.86	20
1,2-Dichloroethane	0.488	0.515		5.53	20
Trichloroethene	0.348	0.357		2.59	20
1,2-Dichloropropane	0.354	0.368		3.95	20
Bromodichloromethane	0.526	0.545		3.61	20
4-Methyl-2-Pentanone	0.406	0.412		1.48	20
Toluene	0.882	0.942		6.8	20
t-1,3-Dichloropropene	0.544	0.546		0.37	20
cis-1,3-Dichloropropene	0.576	0.603		4.69	20
1,1,2-Trichloroethane	0.332	0.345		3.92	20
2-Hexanone	0.296	0.312		5.41	20
Dibromochloromethane	0.378	0.403		6.61	20
1,2-Dibromoethane	0.340	0.339		-0.29	20
Tetrachloroethene	0.333	0.370		11.11	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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/13/2024 09:52

Lab File ID: VN084815.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.119	1.142	0.3	2.06	20
Ethyl Benzene	1.867	2.028		8.62	20
m/p-Xylenes	0.707	0.777		9.9	20
o-Xylene	0.661	0.751		13.62	20
Styrene	1.154	1.259		9.1	20
Bromoform	0.293	0.315	0.1	7.51	20
Isopropylbenzene	3.504	3.640		3.88	20
1,1,2,2-Tetrachloroethane	1.170	1.056	0.3	-9.74	20
1,3-Dichlorobenzene	1.838	1.698		-7.62	20
1,4-Dichlorobenzene	1.937	1.702		-12.13	20
1,2-Dichlorobenzene	1.766	1.640		-7.14	20
1,2-Dibromo-3-Chloropropane	0.237	0.194		-18.14	20
1,2,4-Trichlorobenzene	0.967	0.823		-14.89	20
1,2,3-Trichlorobenzene	0.939	0.834		-11.18	20
1,2-Dichloroethane-d4	0.722	0.681		-5.68	20
Dibromofluoromethane	0.338	0.348		2.96	20
Toluene-d8	1.247	1.247		0	20
4-Bromofluorobenzene	0.466	0.482		3.43	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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/14/2024 09:54

Lab File ID: VN084842.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.573		-0.35	20
Chloromethane	0.952	0.649	0.1	-31.83	20
Vinyl Chloride	0.618	0.704		13.92	20
Bromomethane	0.328	0.344		4.88	20
Chloroethane	0.488	0.457		-6.35	20
Trichlorofluoromethane	1.018	1.101		8.15	20
1,1,2-Trichlorotrifluoroethane	0.575	0.605		5.22	20
Tert butyl alcohol	0.095	0.088		-7.37	20
1,1-Dichloroethene	0.569	0.578		1.58	20
Acetone	0.238	0.224		-5.88	20
Carbon Disulfide	1.753	1.595		-9.01	20
Methyl tert-butyl Ether	1.745	1.942		11.29	20
Methyl Acetate	1.172	0.687		-41.38	20
Methylene Chloride	0.635	0.652		2.68	20
trans-1,2-Dichloroethene	0.585	0.598		2.22	20
1,1-Dichloroethane	1.102	1.128	0.1	2.36	20
Cyclohexane	0.997	0.993		-0.4	20
2-Butanone	0.337	0.338		0.3	20
Carbon Tetrachloride	0.525	0.586		11.62	20
cis-1,2-Dichloroethene	0.683	0.720		5.42	20
Bromochloromethane	0.439	0.442		0.68	20
Chloroform	1.121	1.197		6.78	20
1,1,1-Trichloroethane	1.021	1.100		7.74	20
Methylcyclohexane	0.478	0.569		19.04	20
Benzene	1.507	1.597		5.97	20
1,2-Dichloroethane	0.488	0.528		8.2	20
Trichloroethene	0.348	0.361		3.74	20
1,2-Dichloropropane	0.354	0.387		9.32	20
Bromodichloromethane	0.526	0.568		7.99	20
4-Methyl-2-Pentanone	0.406	0.431		6.16	20
Toluene	0.882	0.979		11	20
t-1,3-Dichloropropene	0.544	0.568		4.41	20
cis-1,3-Dichloropropene	0.576	0.622		7.99	20
1,1,2-Trichloroethane	0.332	0.352		6.02	20
2-Hexanone	0.296	0.328		10.81	20
Dibromochloromethane	0.378	0.419		10.85	20
1,2-Dibromoethane	0.340	0.354		4.12	20
Tetrachloroethene	0.333	0.364		9.31	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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/14/2024 09:54

Lab File ID: VN084842.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.119	1.180	0.3	5.45	20
Ethyl Benzene	1.867	2.143		14.78	20
m/p-Xylenes	0.707	0.810		14.57	20
o-Xylene	0.661	0.781		18.15	20
Styrene	1.154	1.325		14.82	20
Bromoform	0.293	0.325	0.1	10.92	20
Isopropylbenzene	3.504	3.958		12.96	20
1,1,2,2-Tetrachloroethane	1.170	1.145	0.3	-2.14	20
1,3-Dichlorobenzene	1.838	1.791		-2.56	20
1,4-Dichlorobenzene	1.937	1.765		-8.88	20
1,2-Dichlorobenzene	1.766	1.712		-3.06	20
1,2-Dibromo-3-Chloropropane	0.237	0.214		-9.7	20
1,2,4-Trichlorobenzene	0.967	0.881		-8.89	20
1,2,3-Trichlorobenzene	0.939	0.866		-7.77	20
1,2-Dichloroethane-d4	0.722	0.657		-9	20
Dibromofluoromethane	0.338	0.320		-5.32	20
Toluene-d8	1.247	1.188		-4.73	20
4-Bromofluorobenzene	0.466	0.459		-1.5	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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/19/2024 09:27

Lab File ID: VN084935.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.508		-11.65	20
Chloromethane	0.952	0.579	0.1	-39.18	20
Vinyl Chloride	0.618	0.560		-9.39	20
Bromomethane	0.328	0.288		-12.19	20
Chloroethane	0.488	0.370		-24.18	20
Trichlorofluoromethane	1.018	0.954		-6.29	20
1,1,2-Trichlorotrifluoroethane	0.575	0.551		-4.17	20
Tert butyl alcohol	0.095	0.092		-3.16	20
1,1-Dichloroethene	0.569	0.508		-10.72	20
Acetone	0.238	0.237		-0.42	20
Carbon Disulfide	1.753	1.360		-22.42	20
Methyl tert-butyl Ether	1.745	1.803		3.32	20
Methyl Acetate	1.172	0.697		-40.53	20
Methylene Chloride	0.635	0.586		-7.72	20
trans-1,2-Dichloroethene	0.585	0.535		-8.55	20
1,1-Dichloroethane	1.102	1.055	0.1	-4.26	20
Cyclohexane	0.997	0.899		-9.83	20
2-Butanone	0.337	0.360		6.82	20
Carbon Tetrachloride	0.525	0.510		-2.86	20
cis-1,2-Dichloroethene	0.683	0.655		-4.1	20
Bromochloromethane	0.439	0.497		13.21	20
Chloroform	1.121	1.094		-2.41	20
1,1,1-Trichloroethane	1.021	0.993		-2.74	20
Methylcyclohexane	0.478	0.490		2.51	20
Benzene	1.507	1.411		-6.37	20
1,2-Dichloroethane	0.488	0.486		-0.41	20
Trichloroethene	0.348	0.317		-8.91	20
1,2-Dichloropropane	0.354	0.351		-0.85	20
Bromodichloromethane	0.526	0.518		-1.52	20
4-Methyl-2-Pentanone	0.406	0.435		7.14	20
Toluene	0.882	0.867		-1.7	20
t-1,3-Dichloropropene	0.544	0.509		-6.43	20
cis-1,3-Dichloropropene	0.576	0.566		-1.74	20
1,1,2-Trichloroethane	0.332	0.328		-1.21	20
2-Hexanone	0.296	0.326		10.14	20
Dibromochloromethane	0.378	0.384		1.59	20
1,2-Dibromoethane	0.340	0.324		-4.71	20
Tetrachloroethene	0.333	0.320		-3.9	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/19/2024 09:27

Lab File ID: VN084935.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.119	1.066	0.3	-4.74	20
Ethyl Benzene	1.867	1.897		1.61	20
m/p-Xylenes	0.707	0.732		3.54	20
o-Xylene	0.661	0.703		6.35	20
Styrene	1.154	1.192		3.29	20
Bromoform	0.293	0.294	0.1	0.34	20
Isopropylbenzene	3.504	3.456		-1.37	20
1,1,2,2-Tetrachloroethane	1.170	1.092	0.3	-6.67	20
1,3-Dichlorobenzene	1.838	1.554		-15.45	20
1,4-Dichlorobenzene	1.937	1.546		-20.19	20
1,2-Dichlorobenzene	1.766	1.565		-11.38	20
1,2-Dibromo-3-Chloropropane	0.237	0.208		-12.24	20
1,2,4-Trichlorobenzene	0.967	0.764		-20.99	20
1,2,3-Trichlorobenzene	0.939	0.764		-18.64	20
1,2-Dichloroethane-d4	0.722	0.672		-6.93	20
Dibromofluoromethane	0.338	0.314		-7.1	20
Toluene-d8	1.247	1.131		-9.3	20
4-Bromofluorobenzene	0.466	0.444		-4.72	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: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 11:18

Lab File ID: VN084960.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.624		8.52	20
Chloromethane	0.952	0.671	0.1	-29.52	20
Vinyl Chloride	0.618	0.652		5.5	20
Bromomethane	0.328	0.340		3.66	20
Chloroethane	0.488	0.408		-16.39	20
Trichlorofluoromethane	1.018	1.068		4.91	20
1,1,2-Trichlorotrifluoroethane	0.575	0.616		7.13	20
Tert butyl alcohol	0.095	0.110		15.79	20
1,1-Dichloroethene	0.569	0.576		1.23	20
Acetone	0.238	0.200		-15.97	20
Carbon Disulfide	1.753	1.680		-4.16	20
Methyl tert-butyl Ether	1.745	1.961		12.38	20
Methyl Acetate	1.172	0.768		-34.47	20
Methylene Chloride	0.635	0.652		2.68	20
trans-1,2-Dichloroethene	0.585	0.594		1.54	20
1,1-Dichloroethane	1.102	1.147	0.1	4.08	20
Cyclohexane	0.997	1.018		2.11	20
2-Butanone	0.337	0.365		8.31	20
Carbon Tetrachloride	0.525	0.576		9.71	20
cis-1,2-Dichloroethene	0.683	0.719		5.27	20
Bromochloromethane	0.439	0.438		-0.23	20
Chloroform	1.121	1.175		4.82	20
1,1,1-Trichloroethane	1.021	1.085		6.27	20
Methylcyclohexane	0.478	0.571		19.46	20
Benzene	1.507	1.573		4.38	20
1,2-Dichloroethane	0.488	0.528		8.2	20
Trichloroethene	0.348	0.365		4.89	20
1,2-Dichloropropane	0.354	0.384		8.48	20
Bromodichloromethane	0.526	0.569		8.18	20
4-Methyl-2-Pentanone	0.406	0.504		24.14	20
Toluene	0.882	0.995		12.81	20
t-1,3-Dichloropropene	0.544	0.592		8.82	20
cis-1,3-Dichloropropene	0.576	0.634		10.07	20
1,1,2-Trichloroethane	0.332	0.361		8.73	20
2-Hexanone	0.296	0.396		33.78	20
Dibromochloromethane	0.378	0.434		14.81	20
1,2-Dibromoethane	0.340	0.370		8.82	20
Tetrachloroethene	0.333	0.356		6.91	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: M2AS01

Lab Code: CHEM Case No.: P4770 SAS No.: P4770 SDG No.: P4770

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 11:18

Lab File ID: VN084960.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.119	1.182	0.3	5.63	20
Ethyl Benzene	1.867	2.112		13.12	20
m/p-Xylenes	0.707	0.815		15.28	20
o-Xylene	0.661	0.779		17.85	20
Styrene	1.154	1.329		15.16	20
Bromoform	0.293	0.330	0.1	12.63	20
Isopropylbenzene	3.504	3.902		11.36	20
1,1,2,2-Tetrachloroethane	1.170	1.194	0.3	2.05	20
1,3-Dichlorobenzene	1.838	1.743		-5.17	20
1,4-Dichlorobenzene	1.937	1.741		-10.12	20
1,2-Dichlorobenzene	1.766	1.729		-2.1	20
1,2-Dibromo-3-Chloropropane	0.237	0.253		6.75	20
1,2,4-Trichlorobenzene	0.967	0.914		-5.48	20
1,2,3-Trichlorobenzene	0.939	0.869		-7.45	20
1,2-Dichloroethane-d4	0.722	0.653		-9.56	20
Dibromofluoromethane	0.338	0.317		-6.21	20
Toluene-d8	1.247	1.145		-8.18	20
4-Bromofluorobenzene	0.466	0.449		-3.65	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\VN112024\
Data File : VN084983.D
Acq On : 20 Nov 2024 20:58
Operator : JC\MD
Sample : P4770-01 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Time: Nov 21 03:40:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

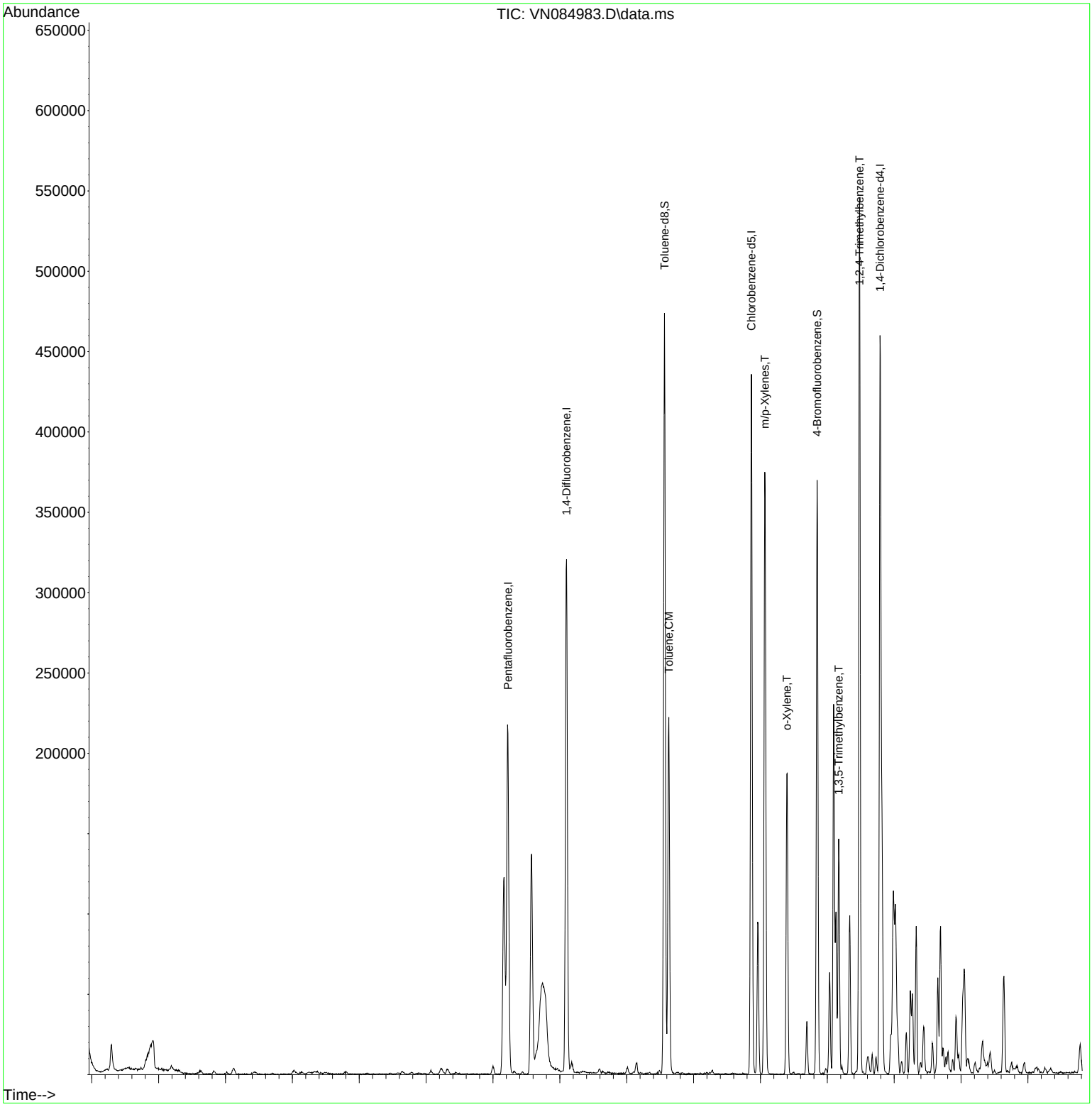
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	152380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	277071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	113952	51.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.560%			
35) Dibromofluoromethane	8.165	113	90226	48.109	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.220%			
50) Toluene-d8	10.565	98	319903	46.306	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.620%			
62) 4-Bromofluorobenzene	12.847	95	130351	50.486	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.980%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.600	83	784	0.296	ug/l	93
40) Benzene	8.606	78	6541	0.783	ug/l #	68
52) Toluene	10.630	92	99603	20.389	ug/l	98
67) Ethyl Benzene	11.965	91	67442	7.457	ug/l	97
68) m/p-Xylenes	12.065	106	119638	34.939	ug/l	98
69) o-Xylene	12.394	106	52872	16.506	ug/l	100
73) Isopropylbenzene	12.694	105	21409	2.502	ug/l	98
78) n-propylbenzene	13.035	91	46927	4.681	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	81125	11.441	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	301506	41.200	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	2133	0.475	ug/l	86
91) 1,2-Dichlorobenzene	14.100	146	1977	0.458	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	1891	0.801	ug/l #	84
95) Naphthalene	15.635	128	59150	8.371	ug/l	98
96) 1,2,3-Trichlorobenzene	15.829	180	1905	0.831	ug/l	89

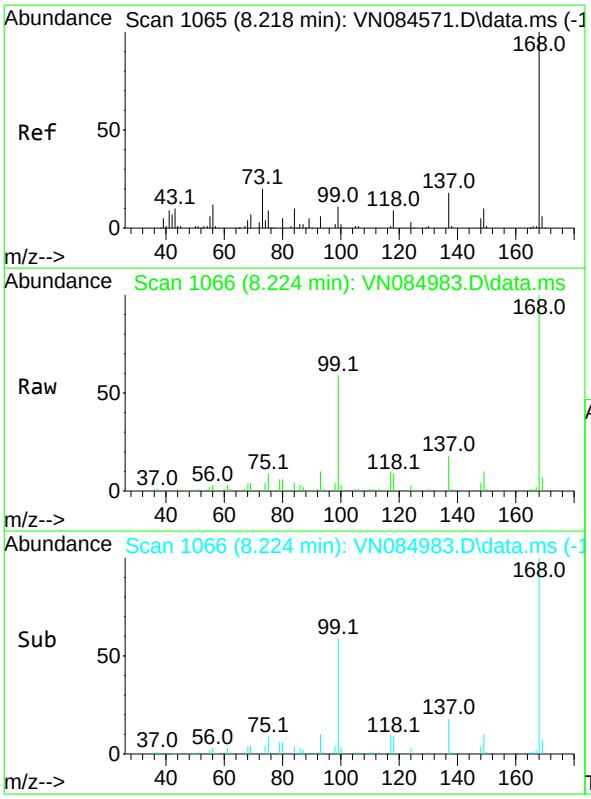
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084983.D
Acq On : 20 Nov 2024 20:58
Operator : JC\MD
Sample : P4770-01 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Quant Time: Nov 21 03:40:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



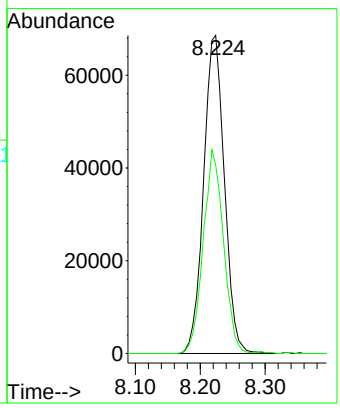


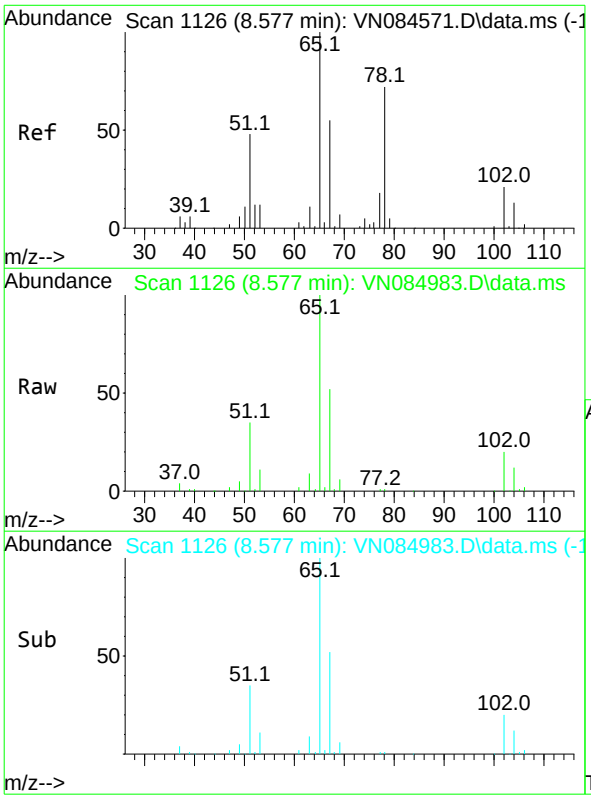
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:168 Resp: 152380

Ion	Ratio	Lower	Upper
168	100		
99	59.2	54.2	81.2

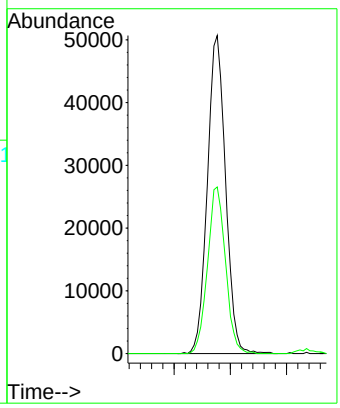




#33
1,2-Dichloroethane-d4
Concen: 51.776 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

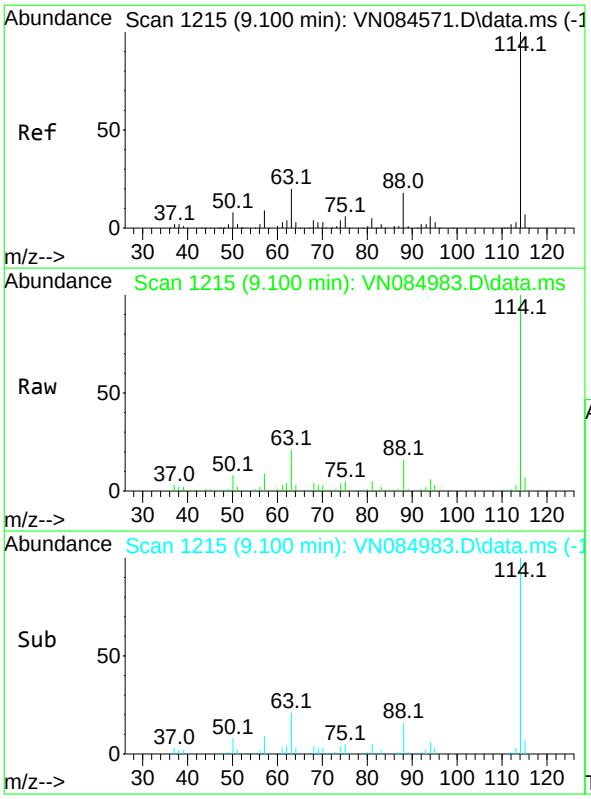
Tgt Ion: 65 Resp: 113952

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.0



5

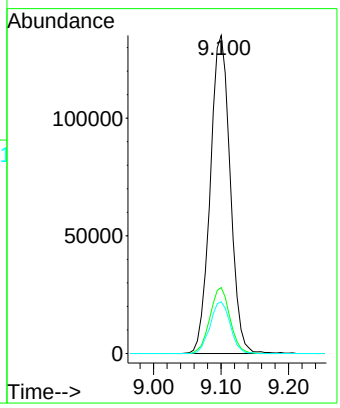
Instrument :
MSVOA_N
ClientSampleId :
MW-1

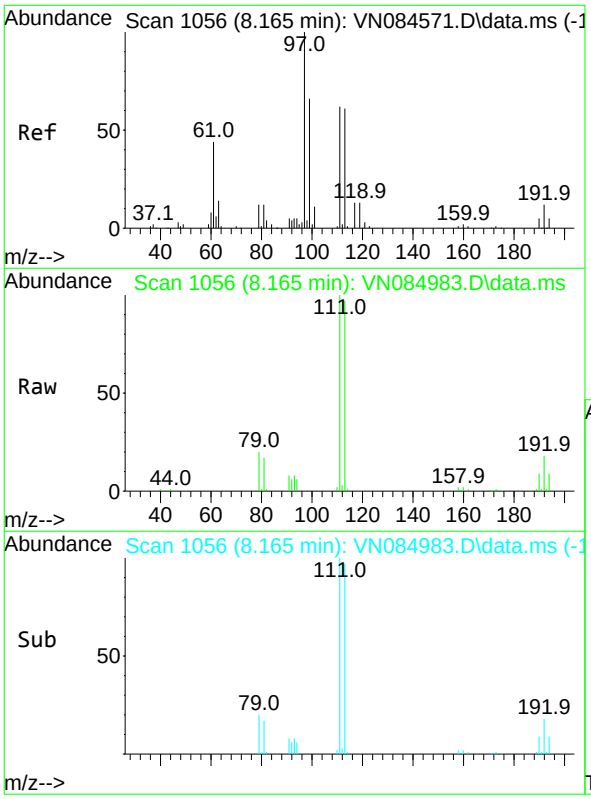


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:114 Resp: 277071

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.8
88	16.3	0.0	31.6

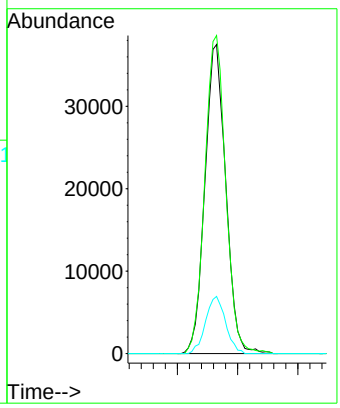


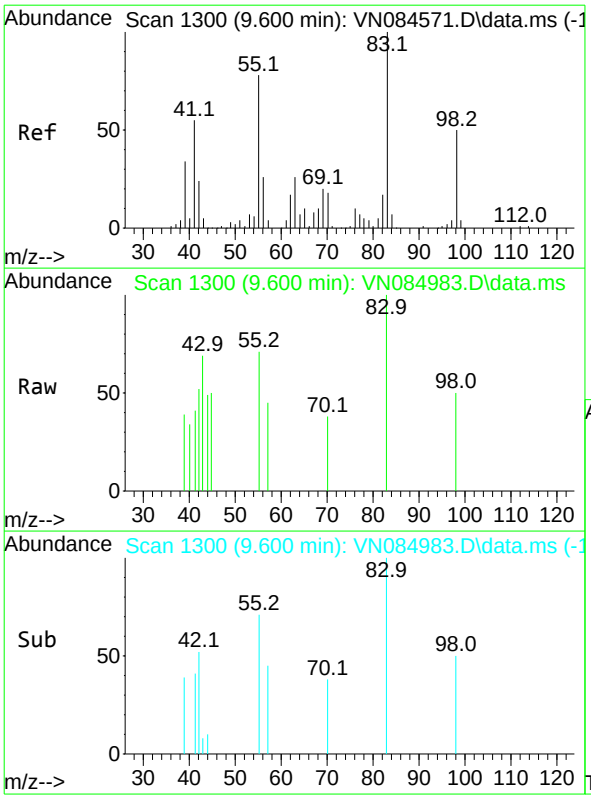


#35
Dibromofluoromethane
Concen: 48.109 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:113 Resp: 90226

Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.3	124.9
192	17.7	13.5	20.3



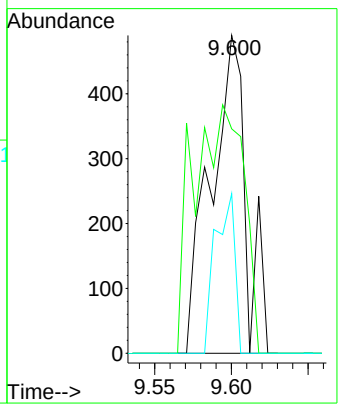


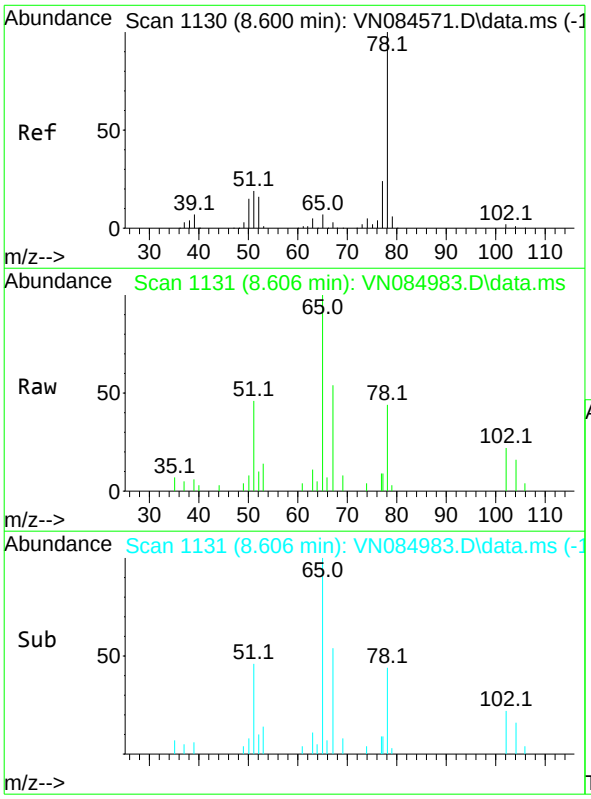
#39
Methylcyclohexane
Concen: 0.296 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 83 Resp: 784

Ion	Ratio	Lower	Upper
83	100		
55	70.6	62.8	94.2
98	50.2	38.8	58.2

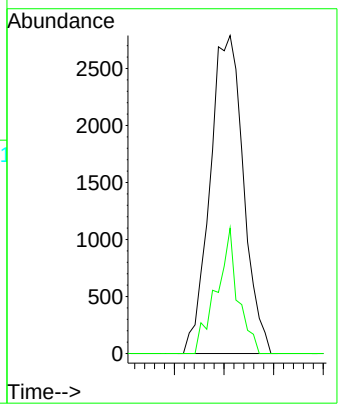




#40
Benzene
Concen: 0.783 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

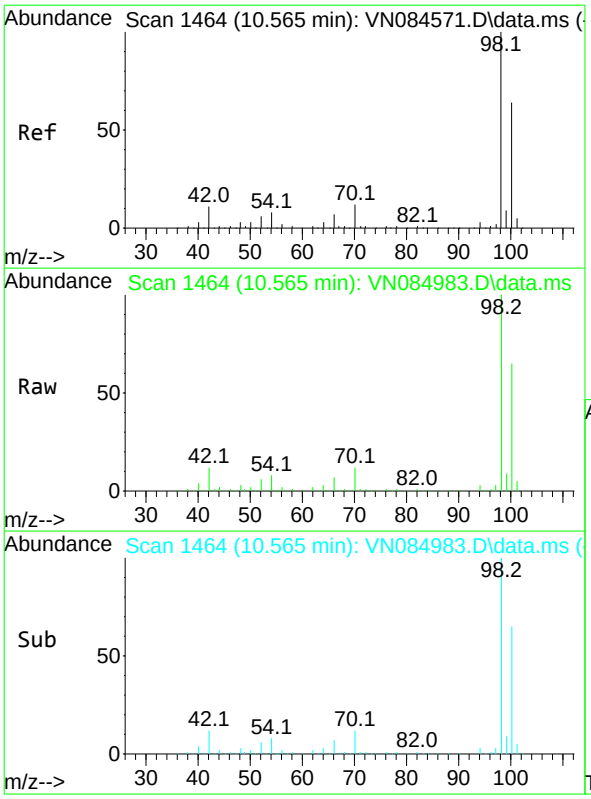
Tgt Ion: 78 Resp: 6541

Ion	Ratio	Lower	Upper
78	100		
77	39.4	19.1	28.7#



5

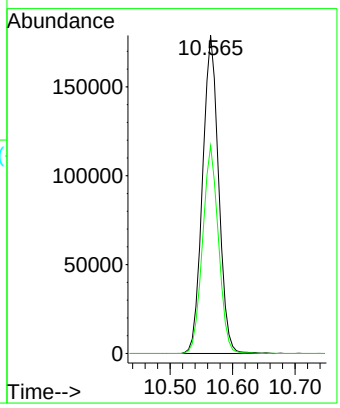
Instrument :
MSVOA_N
ClientSampleId :
MW-1

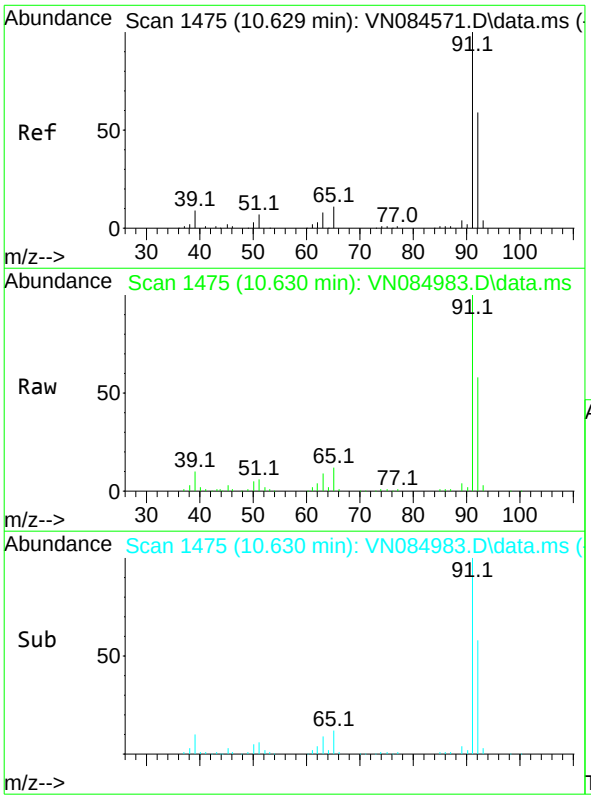


#50
Toluene-d8
Concen: 46.306 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion: 98 Resp: 319903

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

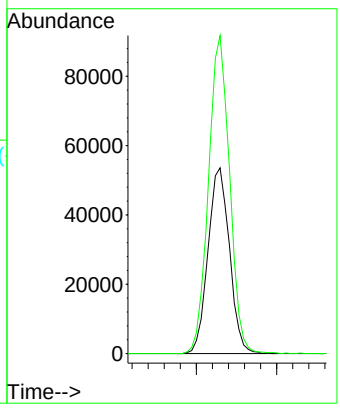


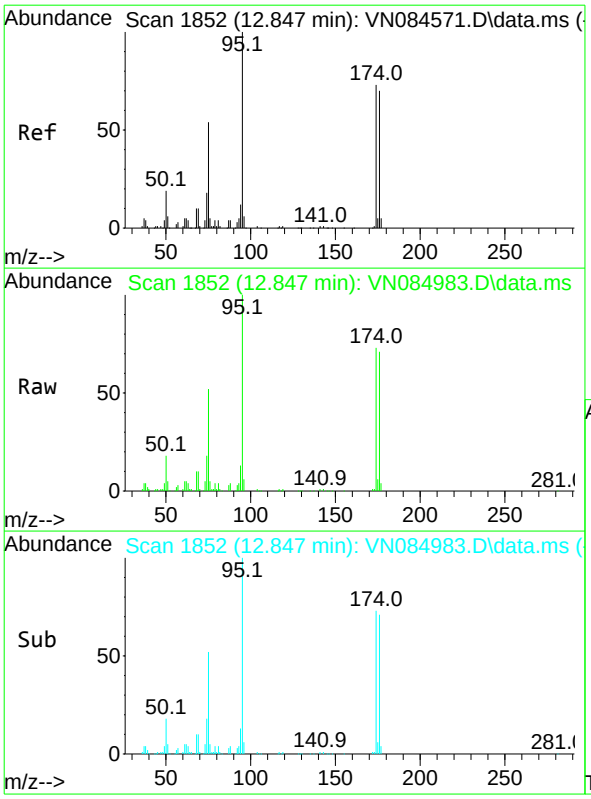


#52
Toluene
Concen: 20.389 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion: 92 Resp: 99603

Ion	Ratio	Lower	Upper
92	100		
91	168.5	137.3	205.9



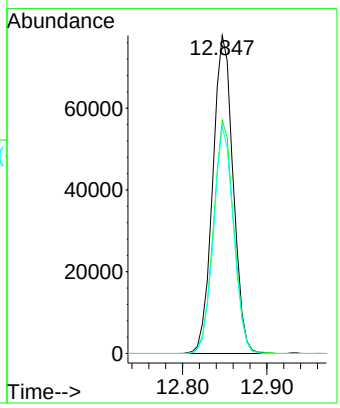


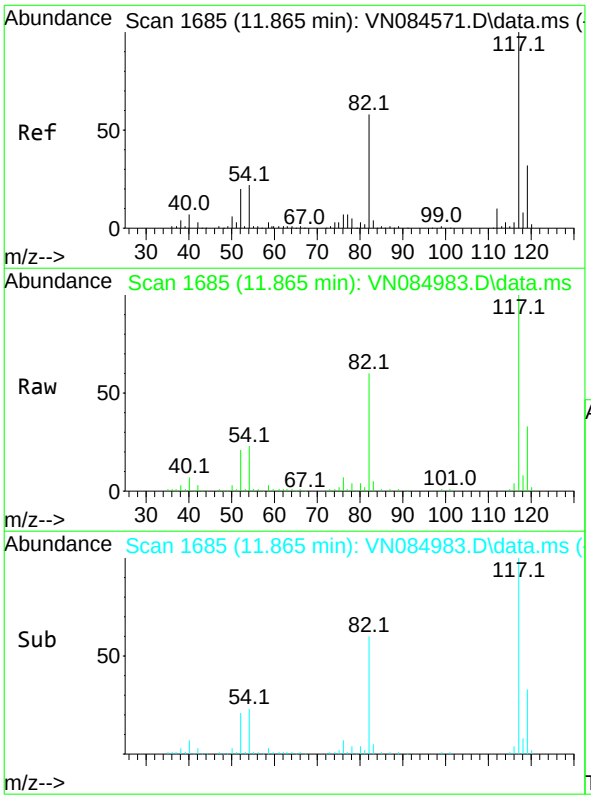
#62
4-Bromofluorobenzene
Concen: 50.486 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 95 Resp: 130351

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	145.2
176	70.4	0.0	140.0

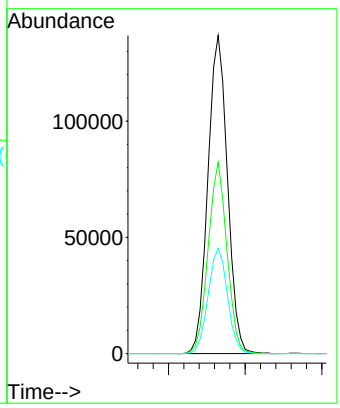




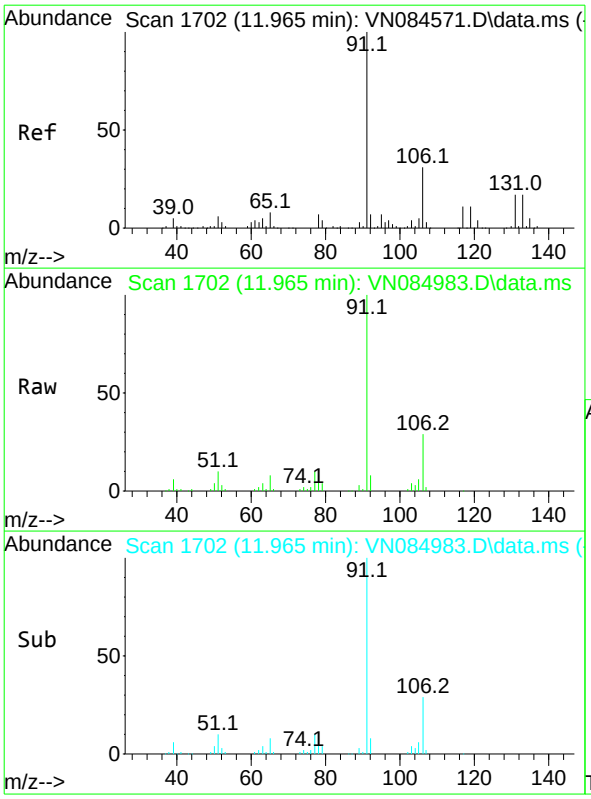
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:117 Resp: 242199

Ion	Ratio	Lower	Upper
117	100		
82	60.2	47.2	70.8
119	33.1	25.4	38.0



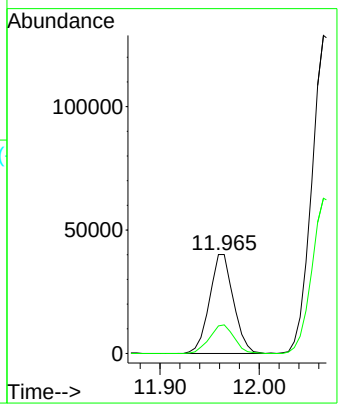
Instrument :
MSVOA_N
ClientSampleId :
MW-1

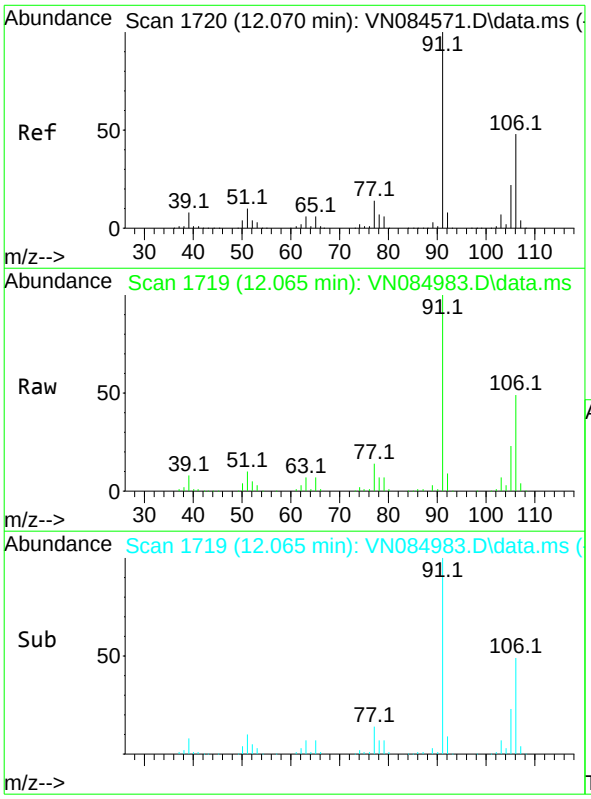


#67
Ethyl Benzene
Concen: 7.457 ug/l
RT: 11.965 min Scan# 17
Delta R.T. 0.006 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion: 91 Resp: 67442

Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.5	36.7

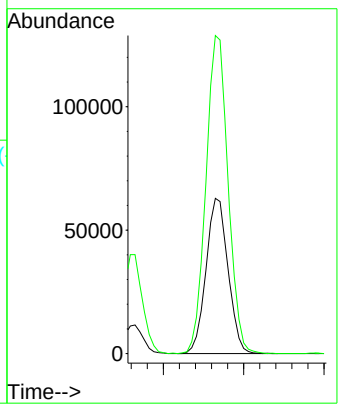


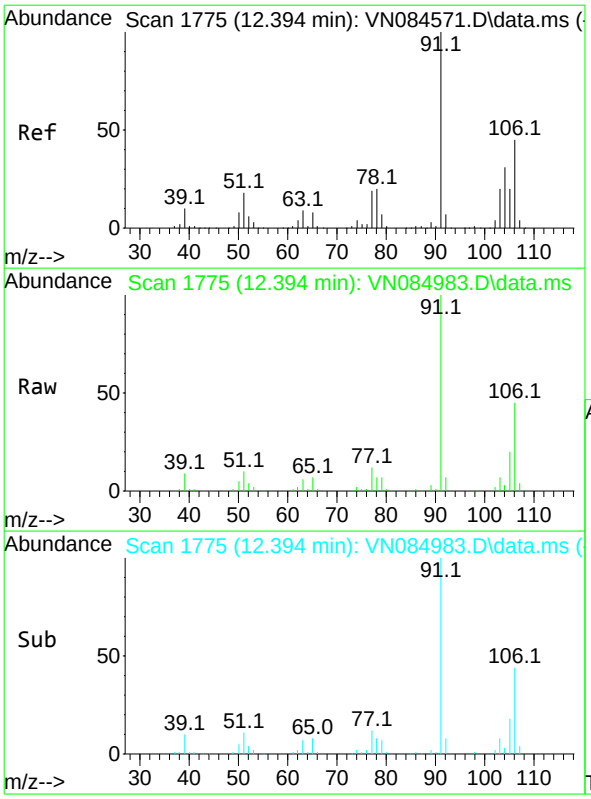


#68
m/p-Xylenes
Concen: 34.939 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:106 Resp: 119638

Ion	Ratio	Lower	Upper
106	100		
91	205.9	167.1	250.7



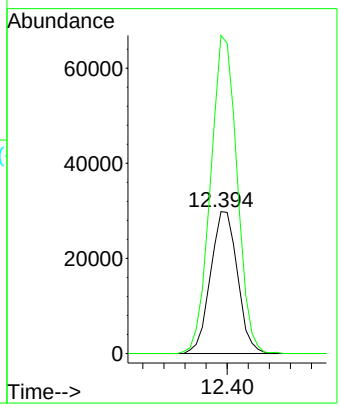


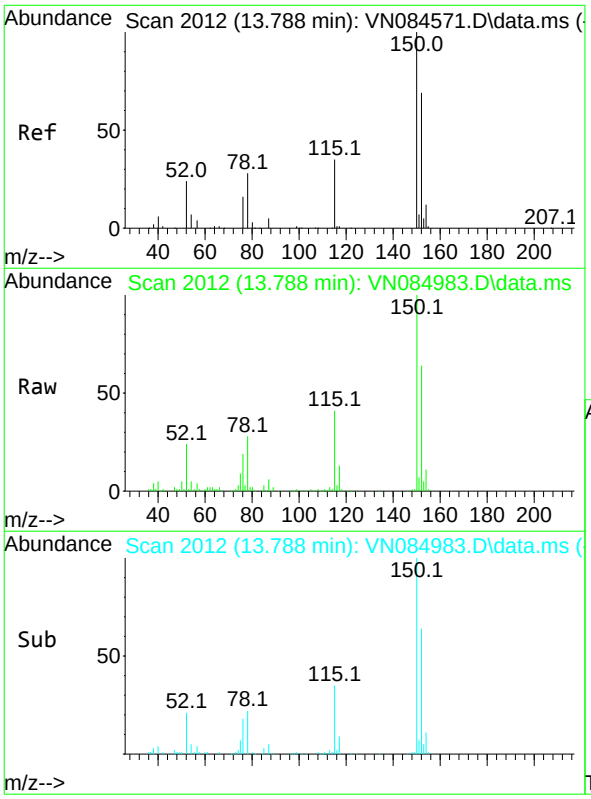
#69
o-Xylene
Concen: 16.506 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:106 Resp: 52872

Ion	Ratio	Lower	Upper
106	100		
91	221.1	110.2	330.6

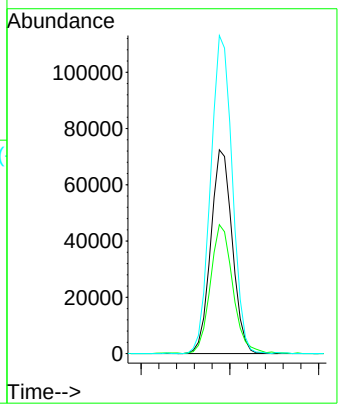


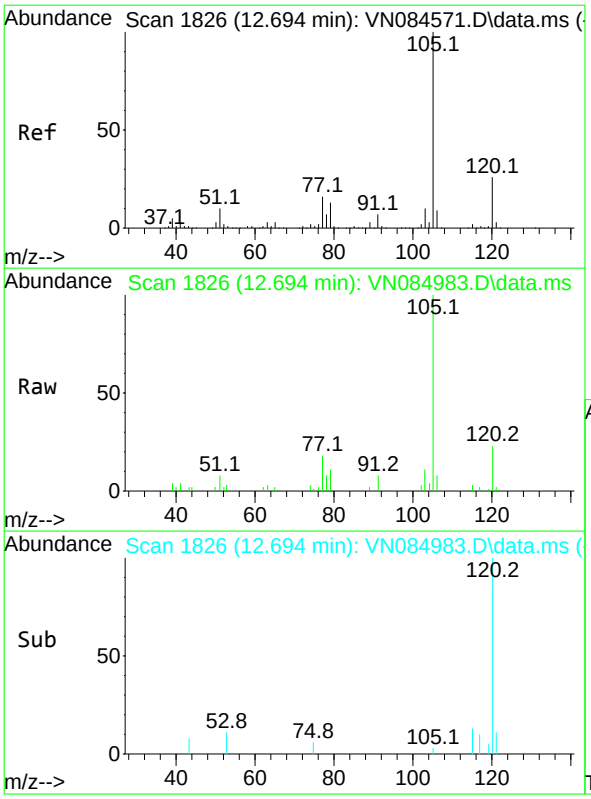


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:152 Resp: 122080

Ion	Ratio	Lower	Upper
152	100		
115	66.2	31.3	93.9
150	157.1	0.0	349.8



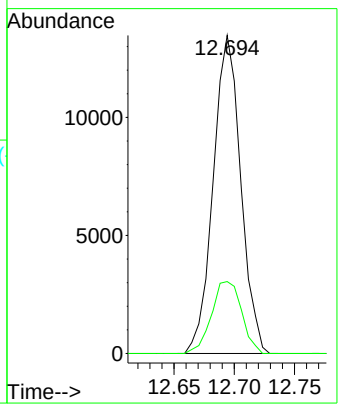


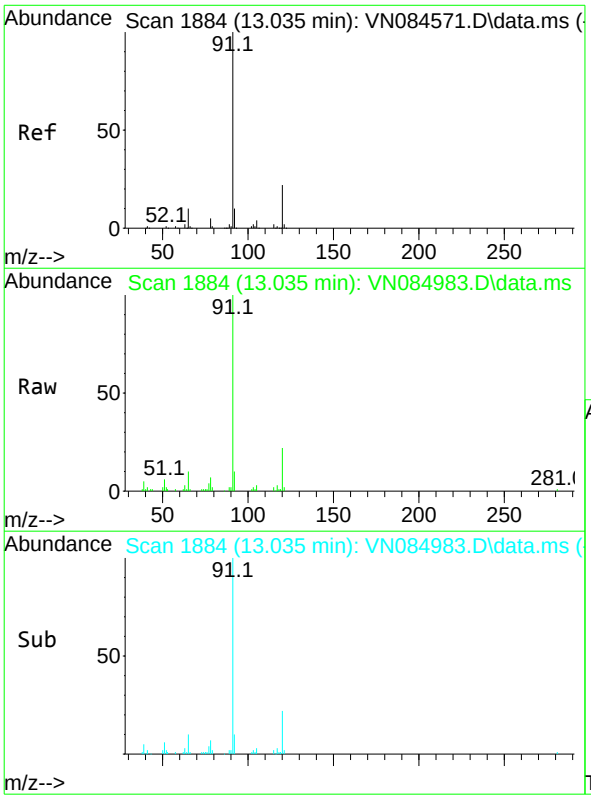
#73
Isopropylbenzene
Concen: 2.502 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:105 Resp: 21409

Ion	Ratio	Lower	Upper
105	100		
120	24.8	12.9	38.7

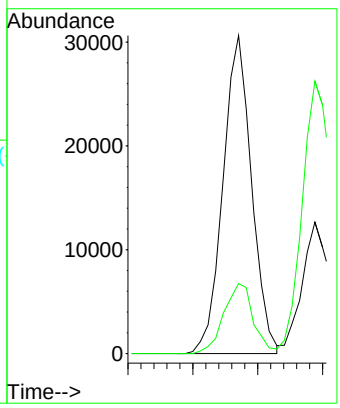




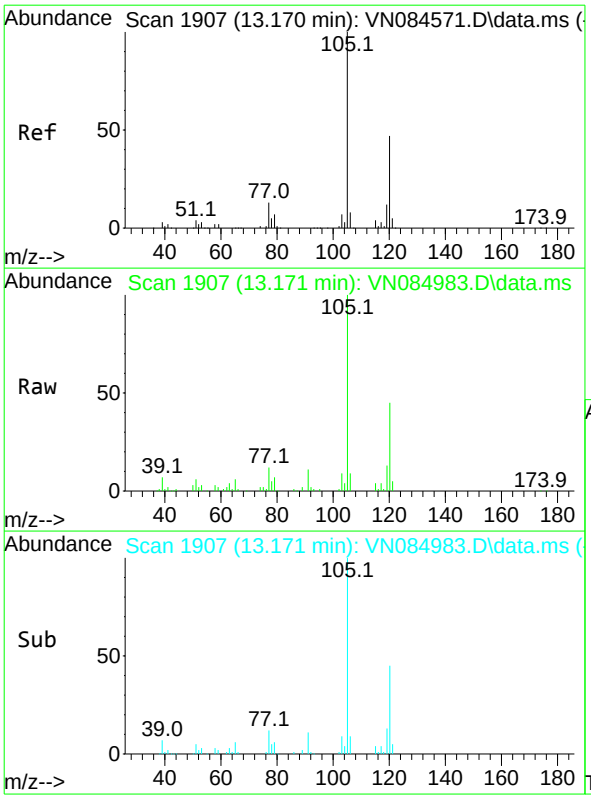
#78
n-propylbenzene
Concen: 4.681 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion: 91 Resp: 46927

Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.8	32.4



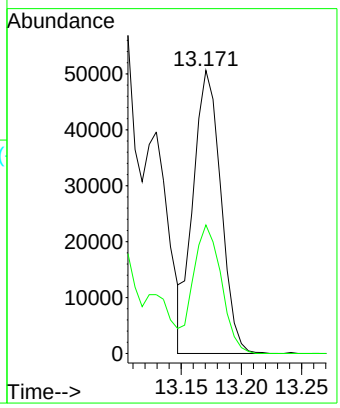
Instrument :
MSVOA_N
ClientSampleId :
MW-1

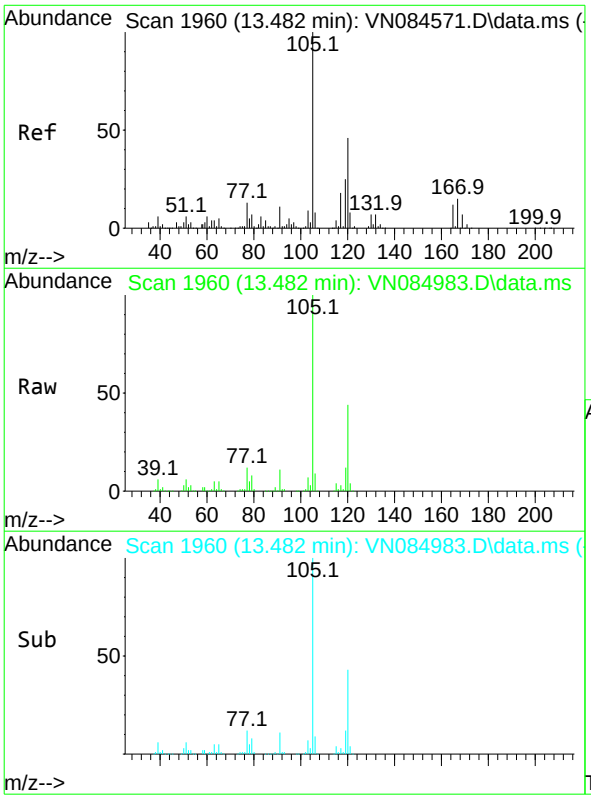


#80
1,3,5-Trimethylbenzene
Concen: 11.441 ug/l
RT: 13.171 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:105 Resp: 81125

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.7	71.1

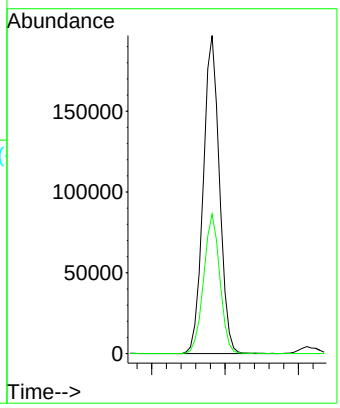




#84
1,2,4-Trimethylbenzene
Concen: 41.200 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

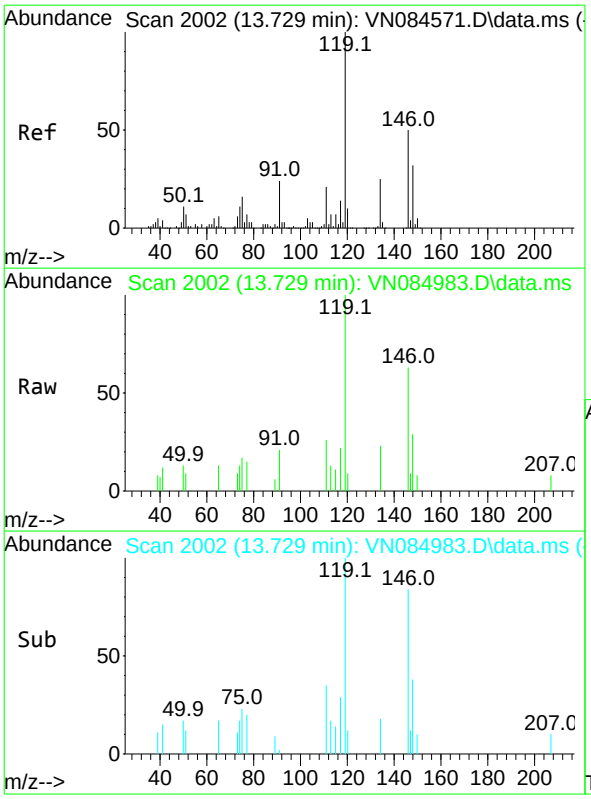
Tgt Ion:105 Resp: 301506

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.3	66.8



5

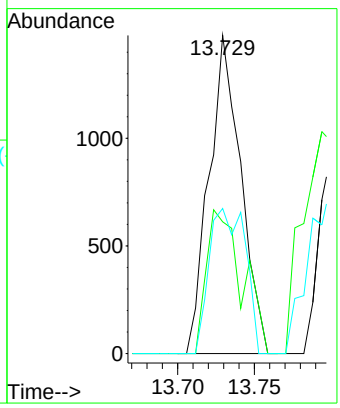
Instrument :
MSVOA_N
ClientSampleId :
MW-1

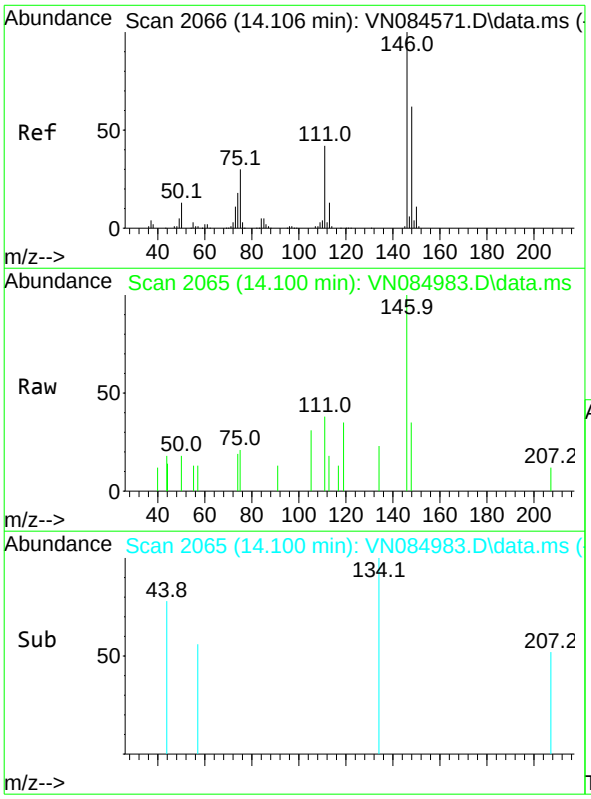


#87
1,3-Dichlorobenzene
Concen: 0.475 ug/l
RT: 13.729 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:146 Resp: 2133

Ion	Ratio	Lower	Upper
146	100		
111	50.8	21.8	65.3
148	51.9	31.9	95.7

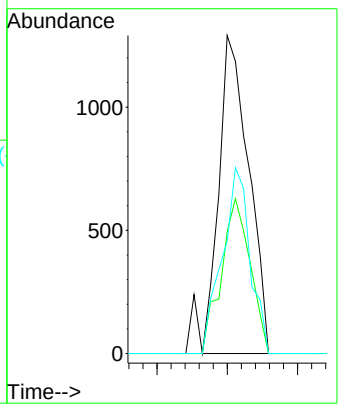


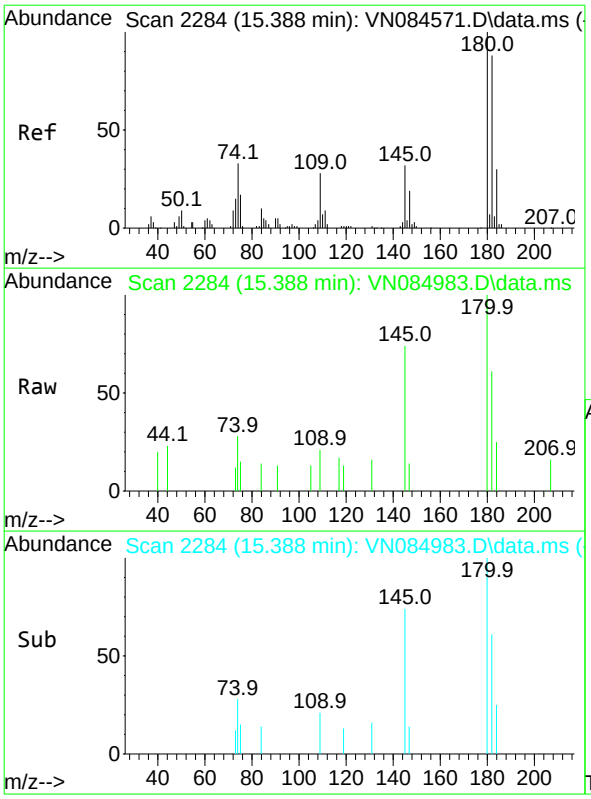


#91
1,2-Dichlorobenzene
Concen: 0.458 ug/l
RT: 14.100 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:146 Resp: 1977

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.0	66.0
148	52.3	32.1	96.3



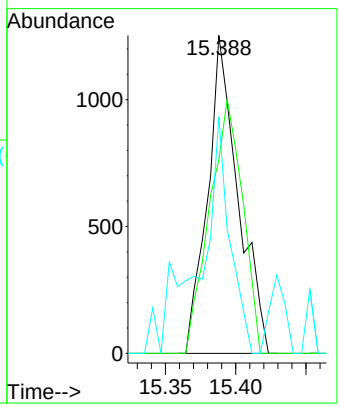


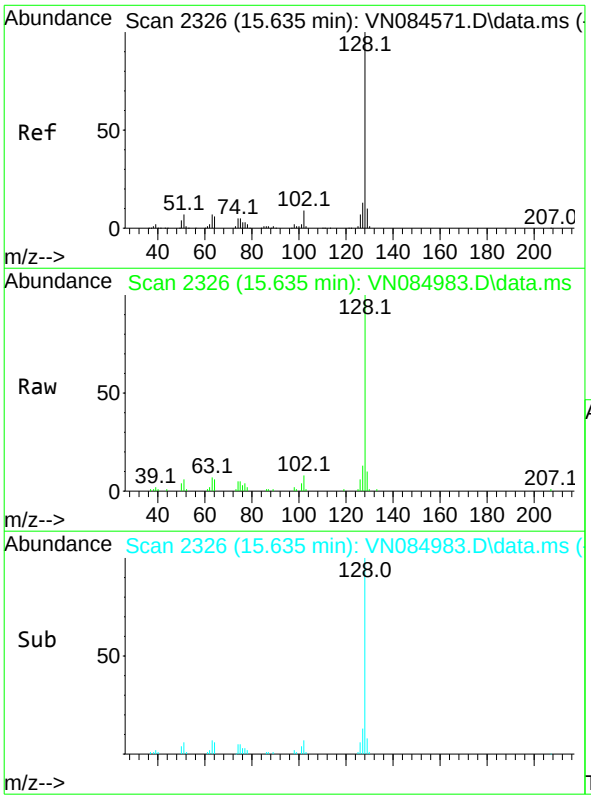
#93
1,2,4-Trichlorobenzene
Concen: 0.801 ug/l
RT: 15.388 min Scan# 22
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:180 Resp: 1891

Ion	Ratio	Lower	Upper
180	100		
182	86.6	47.0	141.0
145	55.4	16.4	49.4#

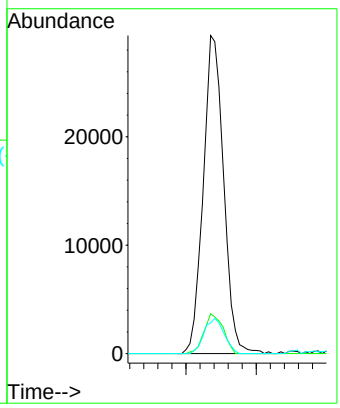


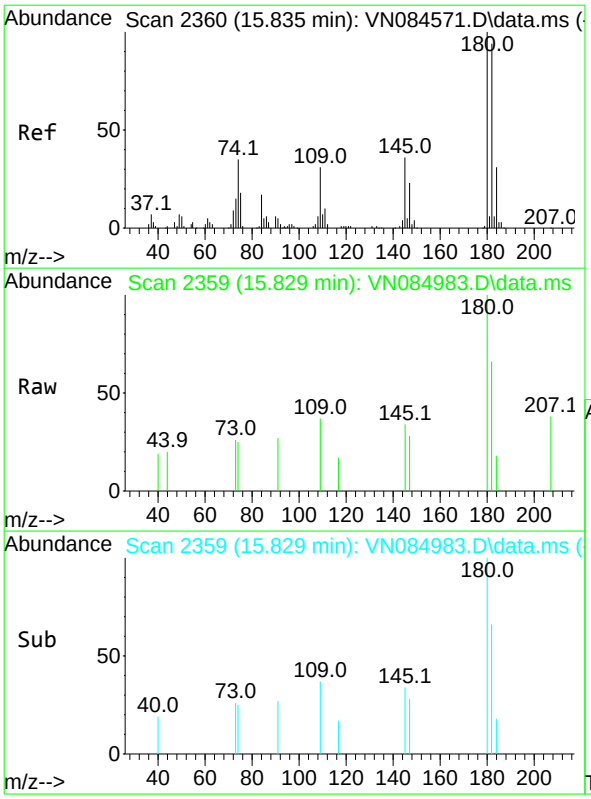


#95
Naphthalene
Concen: 8.371 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Tgt Ion:128 Resp: 59150

Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.5	15.7
129	10.8	8.7	13.1



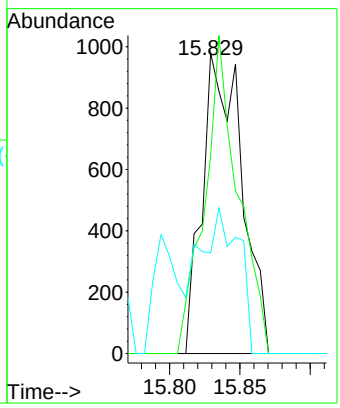


#96
1,2,3-Trichlorobenzene
Concen: 0.831 ug/l
RT: 15.829 min Scan# 23
Delta R.T. -0.006 min
Lab File: VN084983.D
Acq: 20 Nov 2024 20:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:180 Resp: 1905

Ion	Ratio	Lower	Upper
180	100		
182	89.8	48.2	144.6
145	47.9	17.3	51.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084941.D
Acq On : 19 Nov 2024 12:52
Operator : JC\MD
Sample : P4770-02 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Time: Nov 20 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

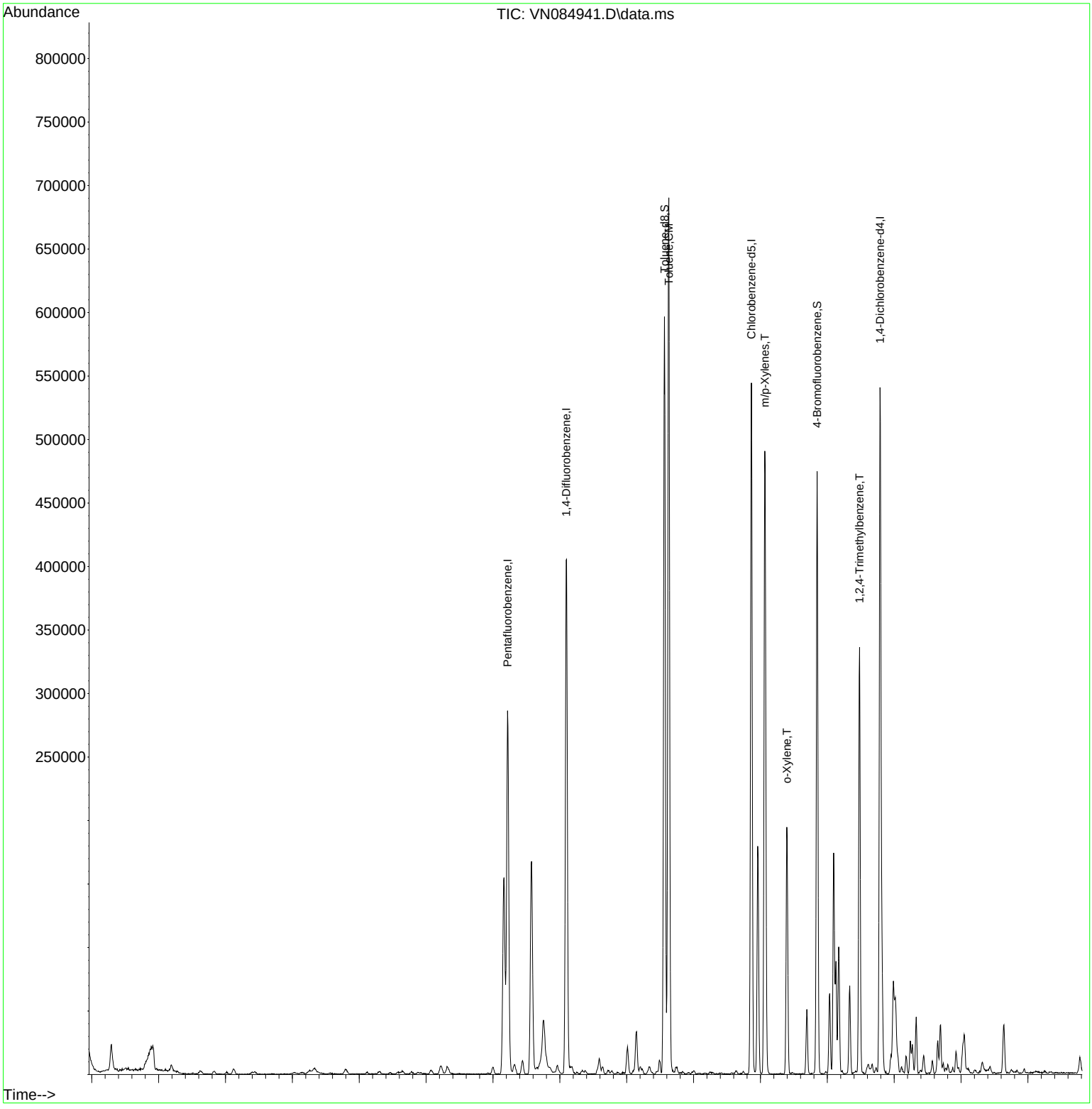
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	194823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	349222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	140718	50.008	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.020%			
35) Dibromofluoromethane	8.165	113	113192	47.885	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.780%			
50) Toluene-d8	10.565	98	413552	47.494	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.980%			
62) 4-Bromofluorobenzene	12.847	95	163672	50.294	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.580%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.600	83	2800	0.840	ug/l #	68
40) Benzene	8.600	78	8506	0.808	ug/l	91
52) Toluene	10.630	92	312079	50.684	ug/l	100
67) Ethyl Benzene	11.959	91	130493	11.407	ug/l	99
68) m/p-Xylenes	12.065	106	157125	36.280	ug/l	99
69) o-Xylene	12.394	106	53497	13.204	ug/l	100
73) Isopropylbenzene	12.694	105	31866	3.072	ug/l	98
78) n-propylbenzene	13.029	91	50739	4.174	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	57924	6.738	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	190785	21.502	ug/l	99
95) Naphthalene	15.641	128	36609	4.273	ug/l	99

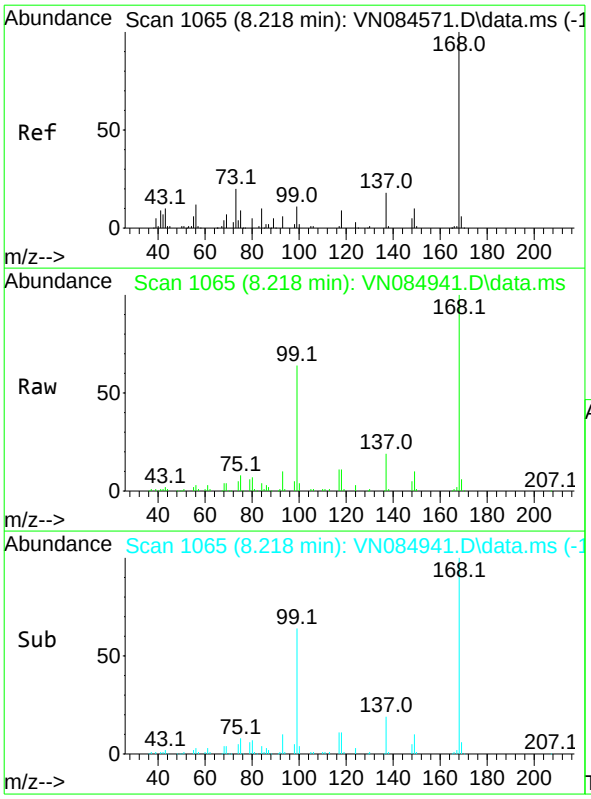
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084941.D
Acq On : 19 Nov 2024 12:52
Operator : JC\MD
Sample : P4770-02 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Quant Time: Nov 20 00:26:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



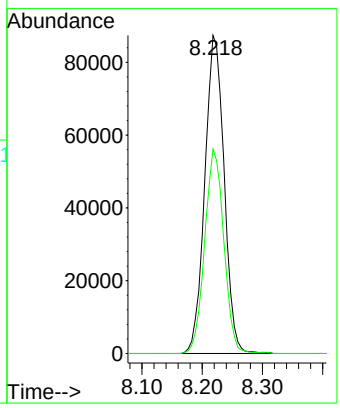


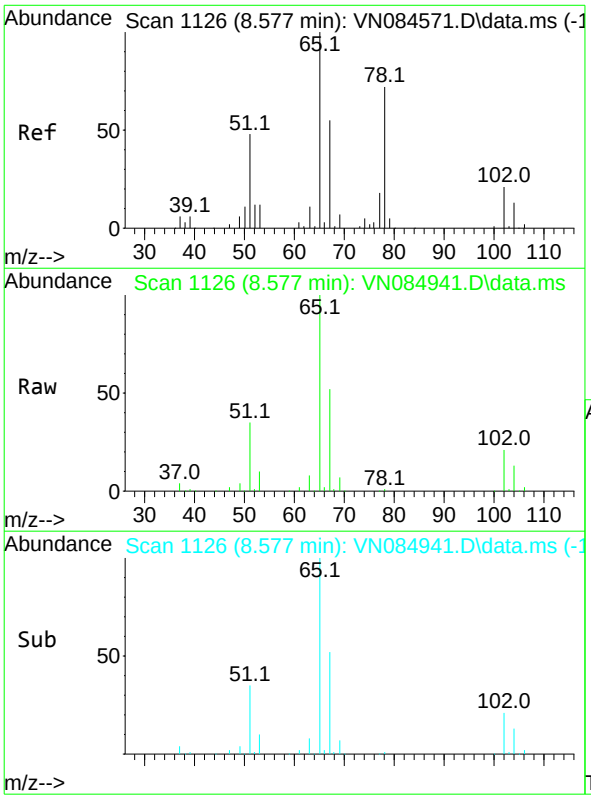
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:168 Resp: 194823

Ion	Ratio	Lower	Upper
168	100		
99	64.2	54.2	81.2

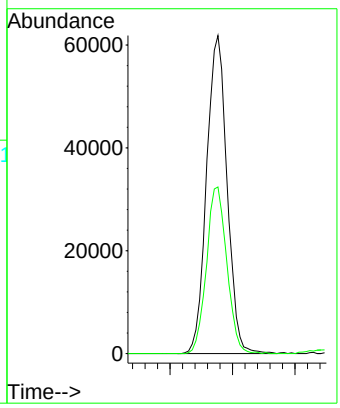


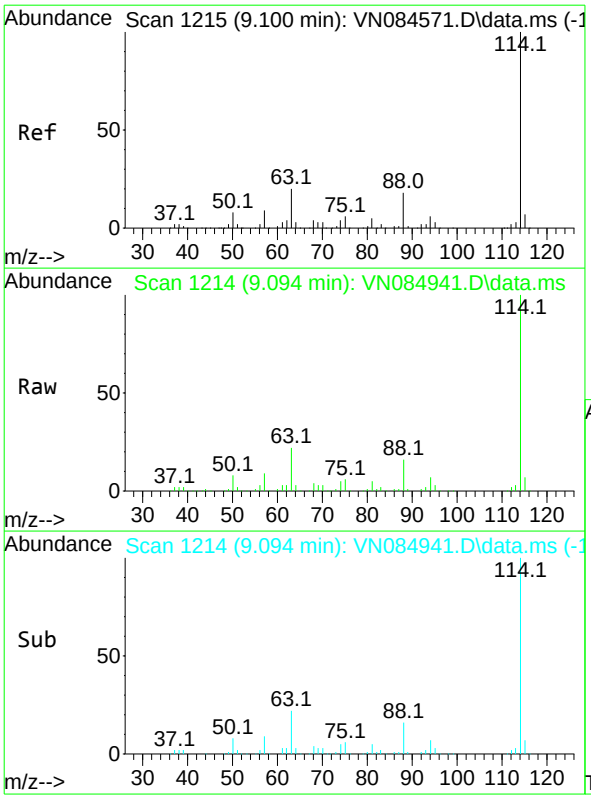


#33
1,2-Dichloroethane-d4
Concen: 50.008 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion: 65 Resp: 140718

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0



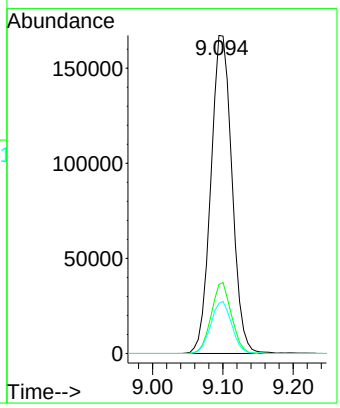


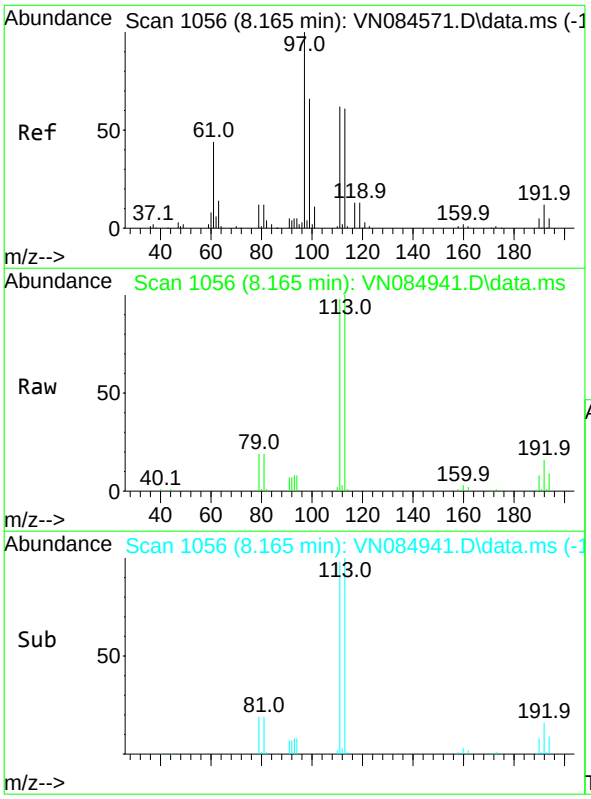
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:114 Resp: 349222

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.8
88	15.8	0.0	31.6

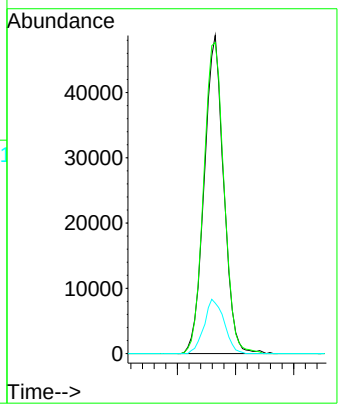


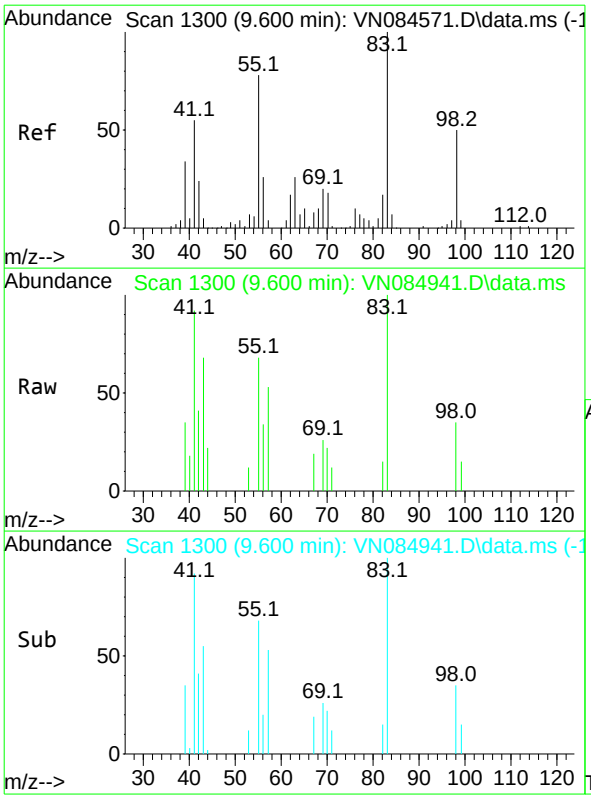


#35
Dibromofluoromethane
Concen: 47.885 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:113 Resp: 113192

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.3	124.9
192	17.5	13.5	20.3



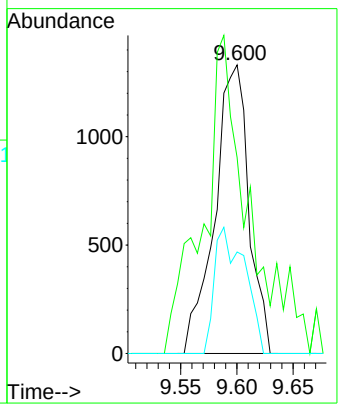


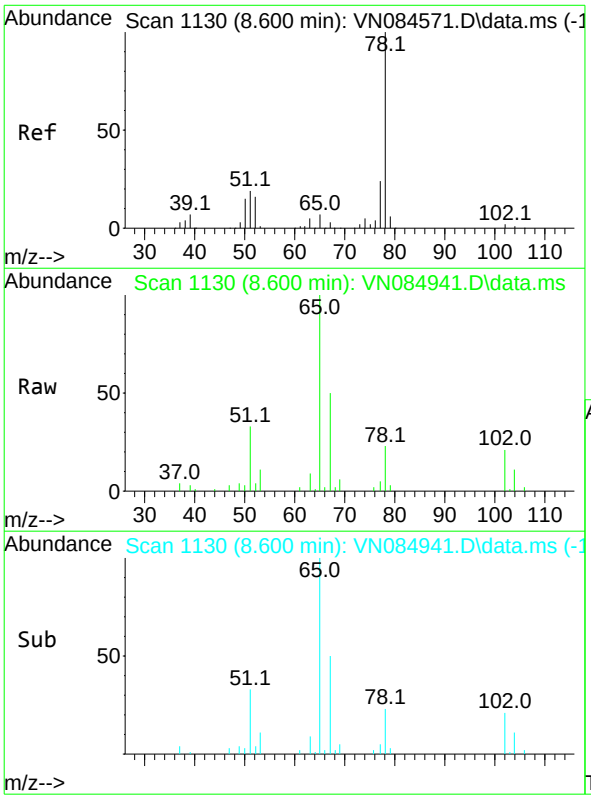
#39
Methylcyclohexane
Concen: 0.840 ug/l
RT: 9.600 min Scan# 13
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 83 Resp: 2800

Ion	Ratio	Lower	Upper
83	100		
55	43.7	62.8	94.2#
98	35.2	38.8	58.2#

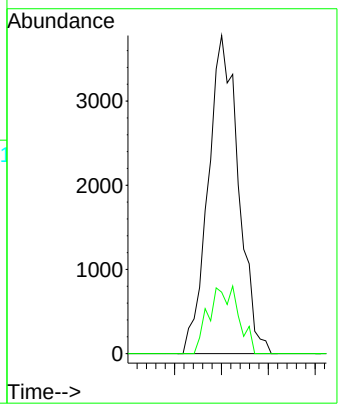


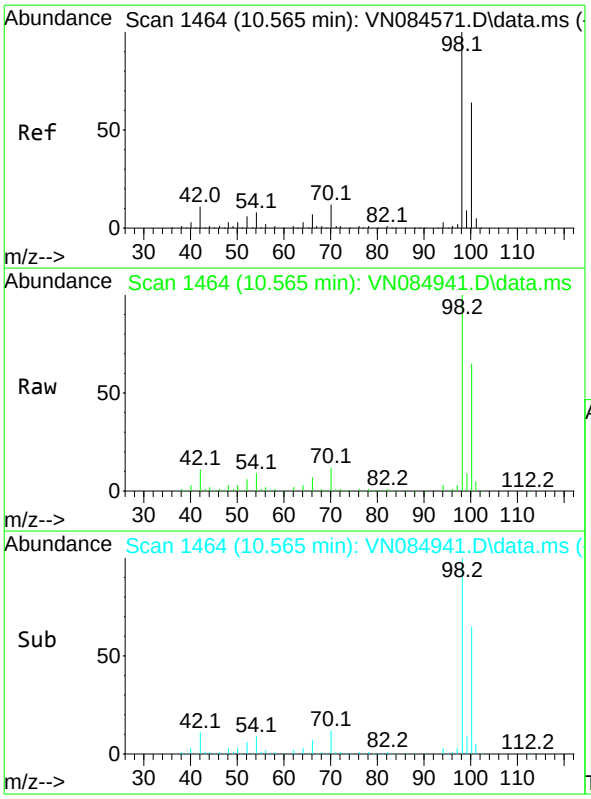


#40
Benzene
Concen: 0.808 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion: 78 Resp: 8506

Ion	Ratio	Lower	Upper
78	100		
77	19.3	19.1	28.7



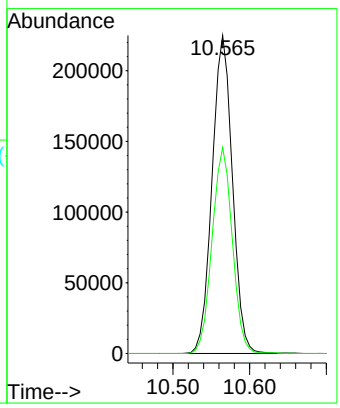


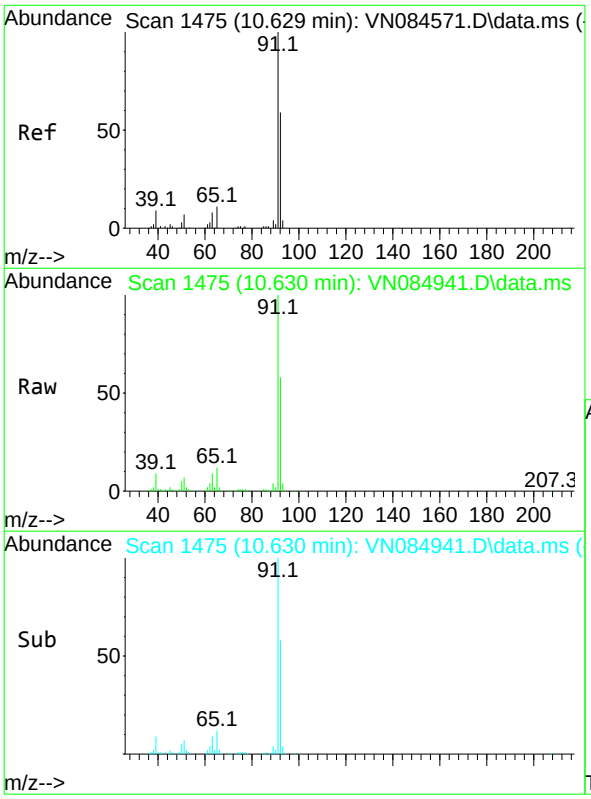
#50
Toluene-d8
Concen: 47.494 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 98 Resp: 413552

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

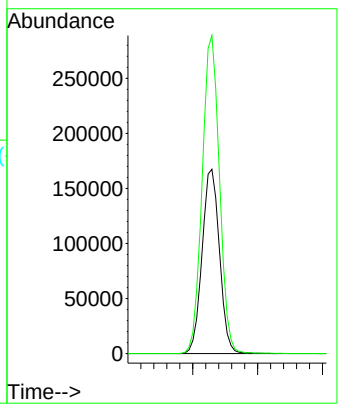


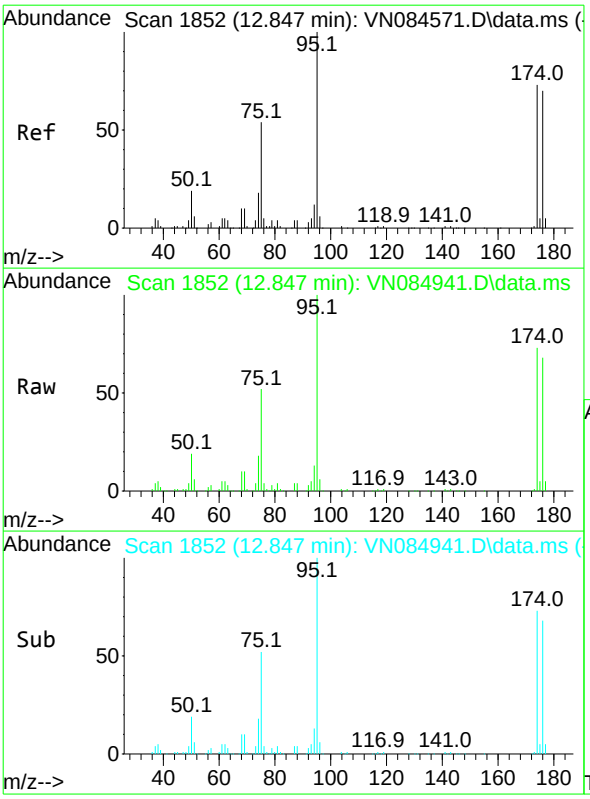


#52
Toluene
Concen: 50.684 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion: 92 Resp: 312079

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.3	205.9



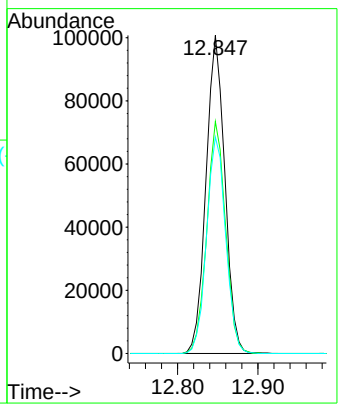


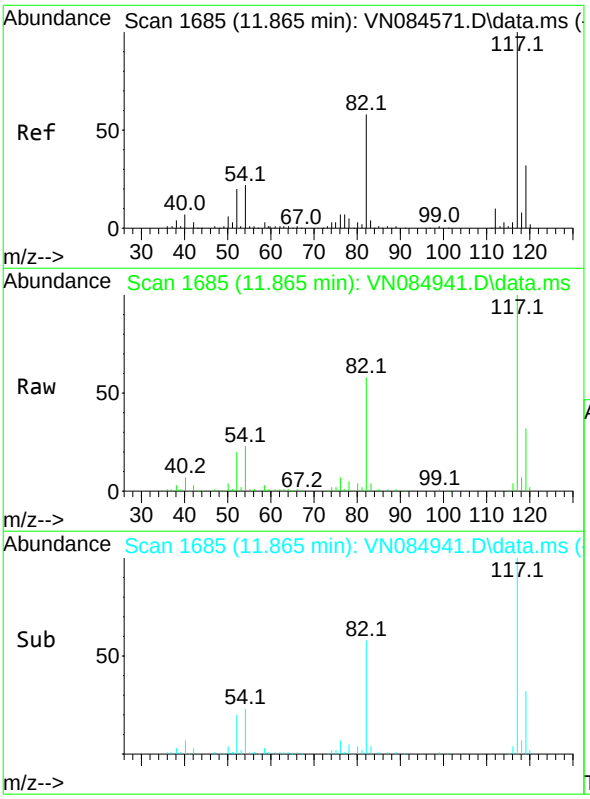
#62
4-Bromofluorobenzene
Concen: 50.294 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 95 Resp: 163672

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	145.2
176	69.1	0.0	140.0

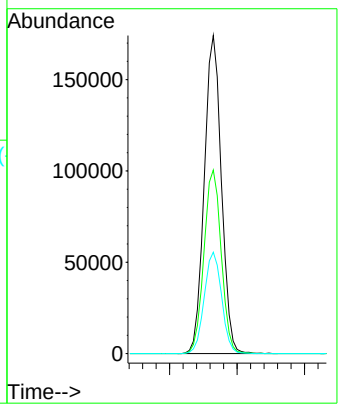


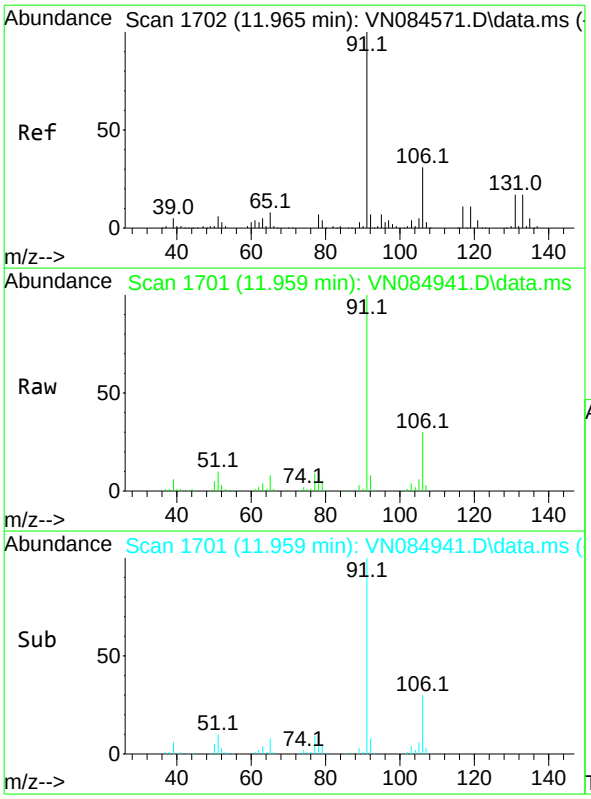


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:117 Resp: 306335

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.2	70.8
119	31.9	25.4	38.0



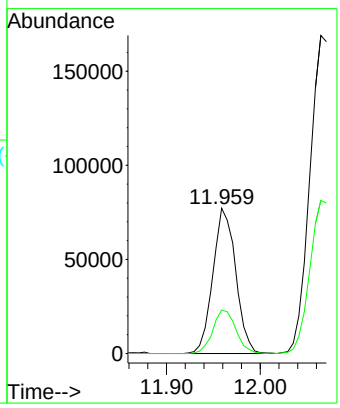


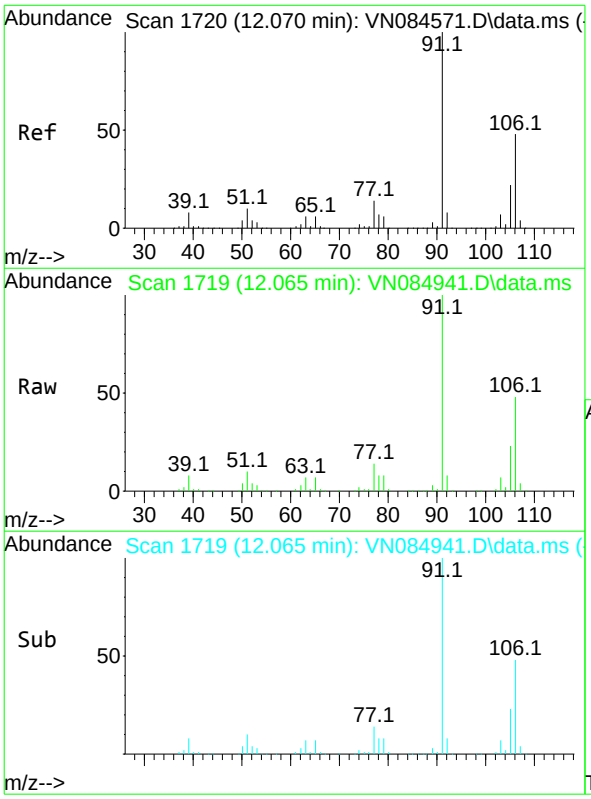
#67
Ethyl Benzene
Concen: 11.407 ug/l
RT: 11.959 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion: 91 Resp: 130493

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.5	36.7

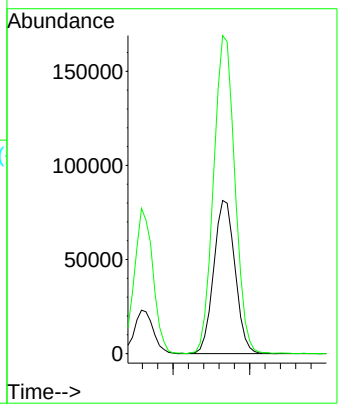


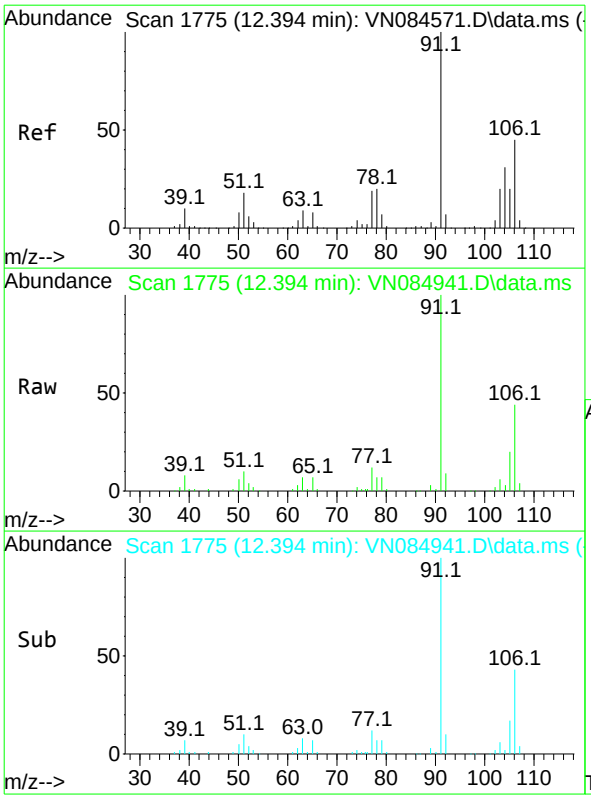


#68
m/p-Xylenes
Concen: 36.280 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:106 Resp: 157125

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.1	250.7



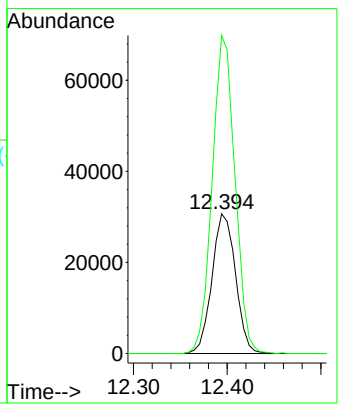


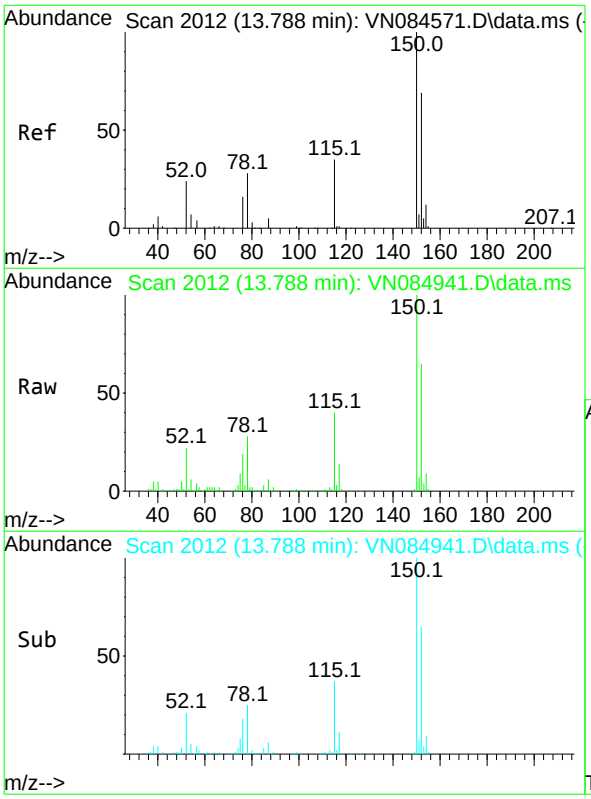
#69
o-Xylene
Concen: 13.204 ug/l
RT: 12.394 min Scan# 17
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:106 Resp: 53497

Ion	Ratio	Lower	Upper
106	100		
91	220.6	110.2	330.6

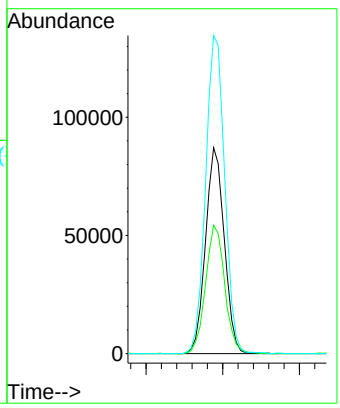


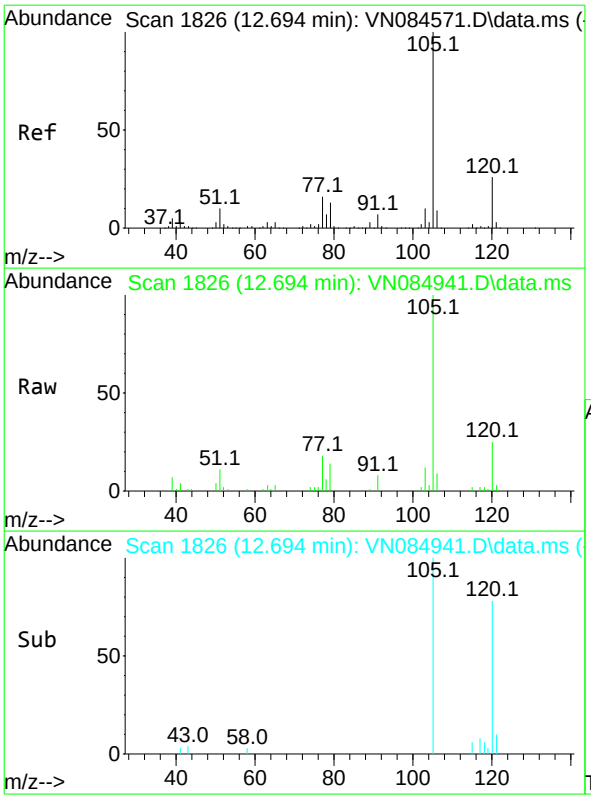


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:152 Resp: 148014

Ion	Ratio	Lower	Upper
152	100		
115	63.8	31.3	93.9
150	156.6	0.0	349.8



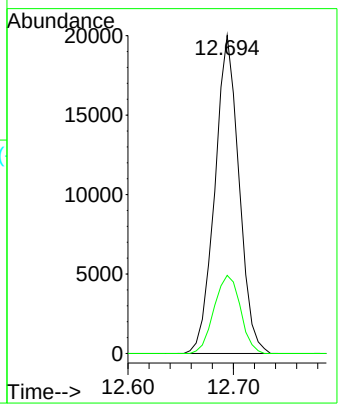


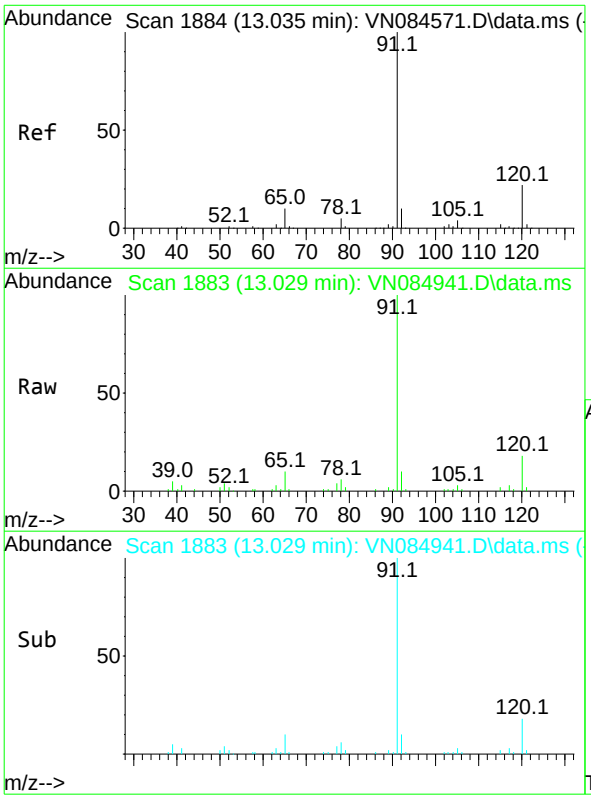
#73
Isopropylbenzene
Concen: 3.072 ug/l
RT: 12.694 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:105 Resp: 31866

Ion	Ratio	Lower	Upper
105	100		
120	26.7	12.9	38.7

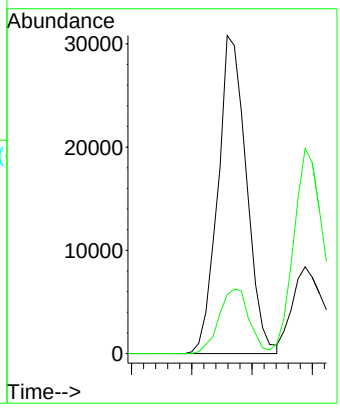




#78
n-propylbenzene
Concen: 4.174 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

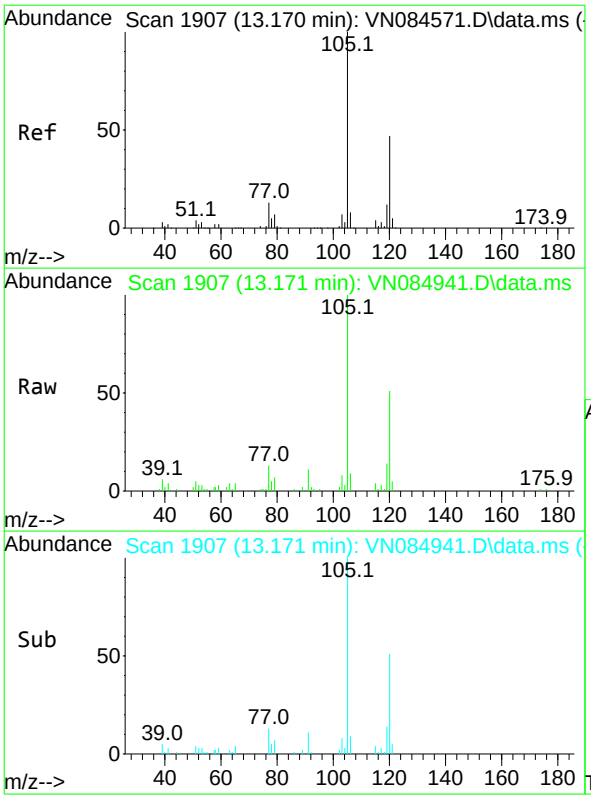
Tgt Ion: 91 Resp: 50739

Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.4



5

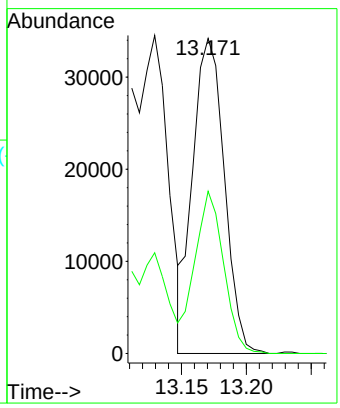
Instrument :
MSVOA_N
ClientSampleId :
MW-3

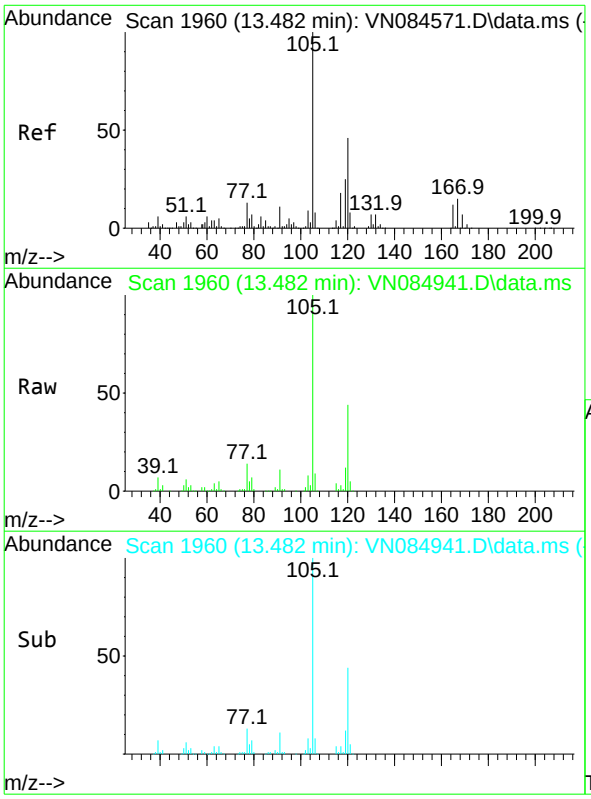


#80
1,3,5-Trimethylbenzene
Concen: 6.738 ug/l
RT: 13.171 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:105 Resp: 57924

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.7	71.1

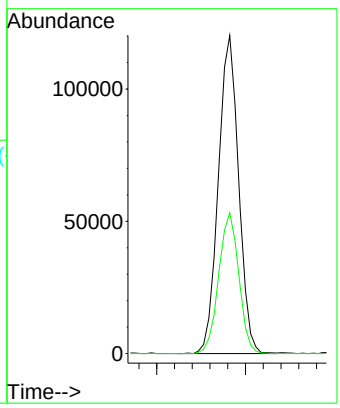


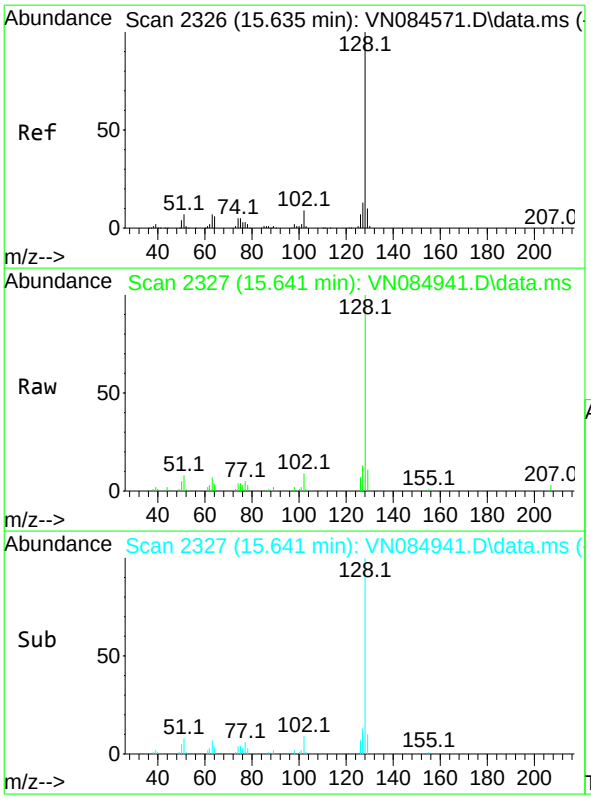


#84
1,2,4-Trimethylbenzene
Concen: 21.502 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Tgt Ion:105 Resp: 190785

Ion	Ratio	Lower	Upper
105	100		
120	43.9	22.3	66.8



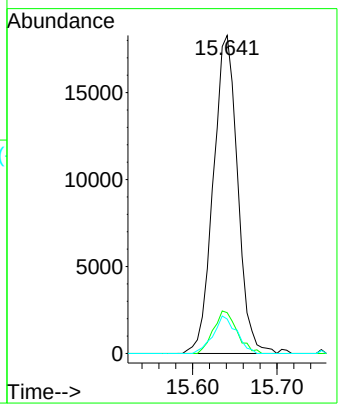


#95
Naphthalene
Concen: 4.273 ug/l
RT: 15.641 min Scan# 23
Delta R.T. 0.006 min
Lab File: VN084941.D
Acq: 19 Nov 2024 12:52

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:128 Resp: 36609

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.3	8.7	13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084863.D
Acq On : 14 Nov 2024 19:46
Operator : JC\MD
Sample : P4770-03 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Quant Time: Nov 15 00:54:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

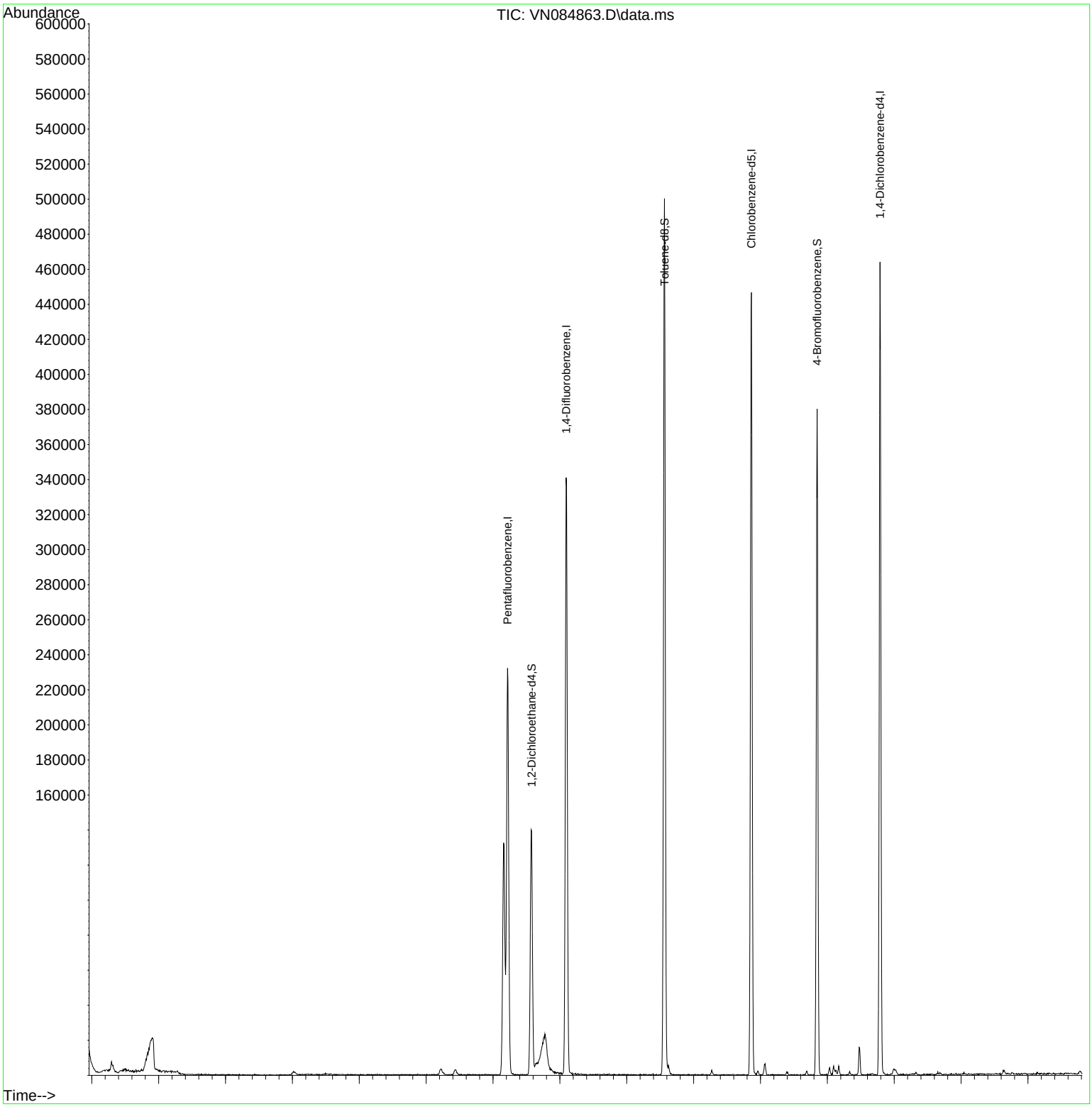
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	170053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	300668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118659	48.311	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.620%		
35) Dibromofluoromethane	8.165	113	95429	46.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.780%		
50) Toluene-d8	10.565	98	346208	46.180	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.360%		
62) 4-Bromofluorobenzene	12.847	95	135390	48.322	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.640%		
Target Compounds						Qvalue
52) Toluene	10.629	92	1518	0.286	ug/l	80
68) m/p-Xylenes	12.065	106	1983	0.536	ug/l #	71
78) n-propylbenzene	13.029	91	3937	0.389	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	2778	0.388	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	9830	1.330	ug/l	96
95) Naphthalene	15.635	128	3240	0.454	ug/l #	87

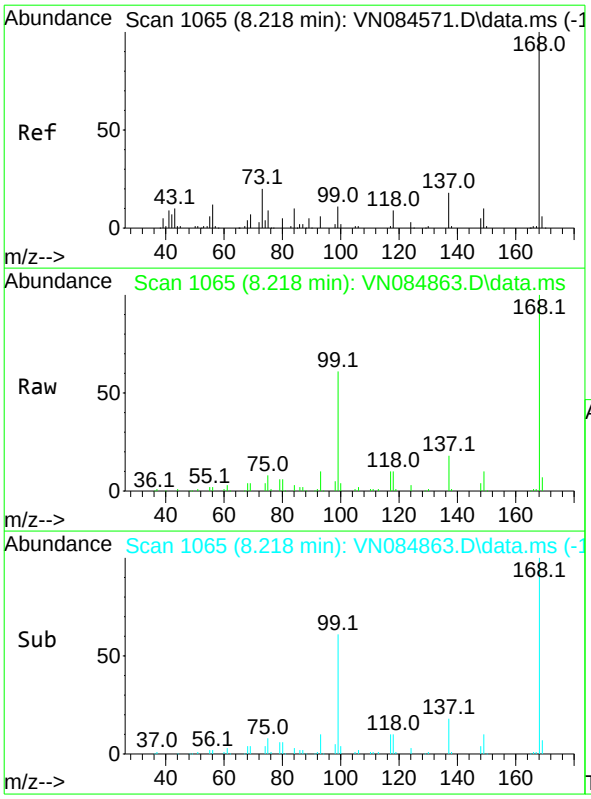
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084863.D
Acq On : 14 Nov 2024 19:46
Operator : JC\MD
Sample : P4770-03 500X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Quant Time: Nov 15 00:54:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



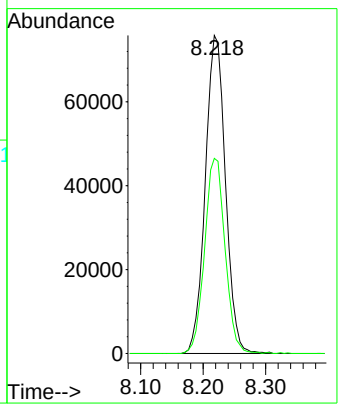


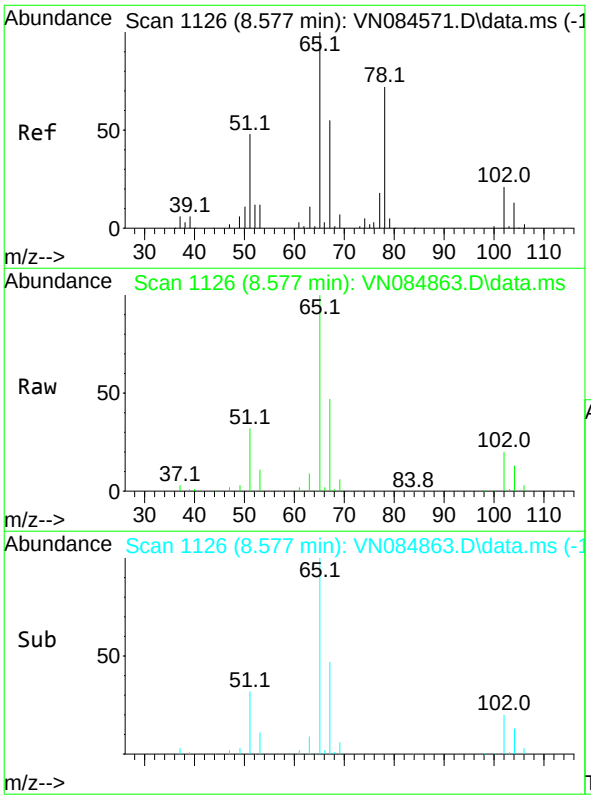
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion:168 Resp: 170053

Ion	Ratio	Lower	Upper
168	100		
99	61.4	54.2	81.2

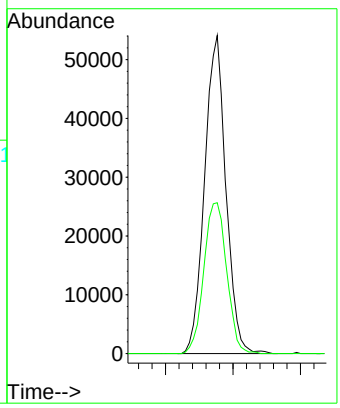


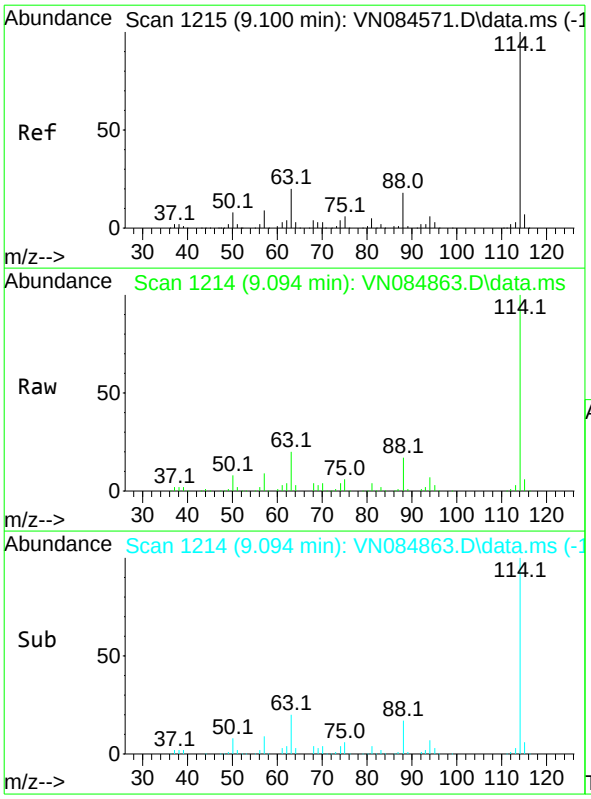


#33
1,2-Dichloroethane-d4
Concen: 48.311 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion: 65 Resp: 118659

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0



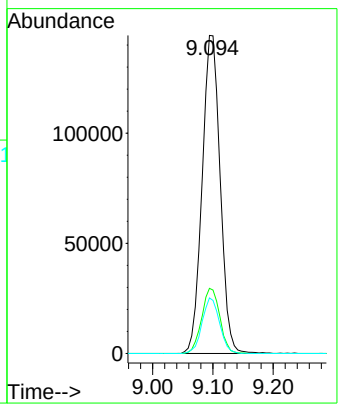


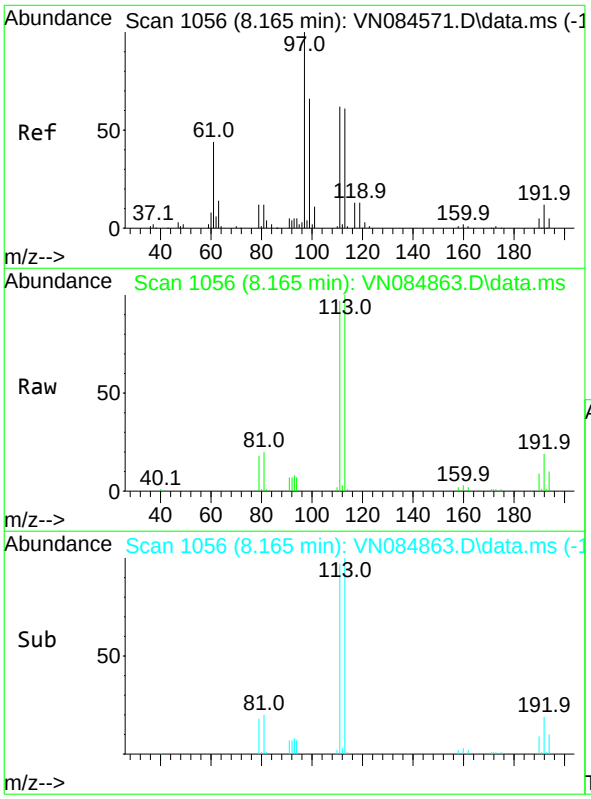
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion:114 Resp: 300668

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.8
88	17.5	0.0	31.6

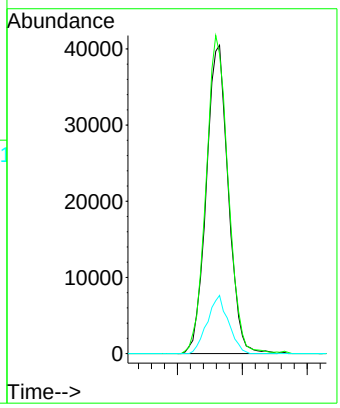


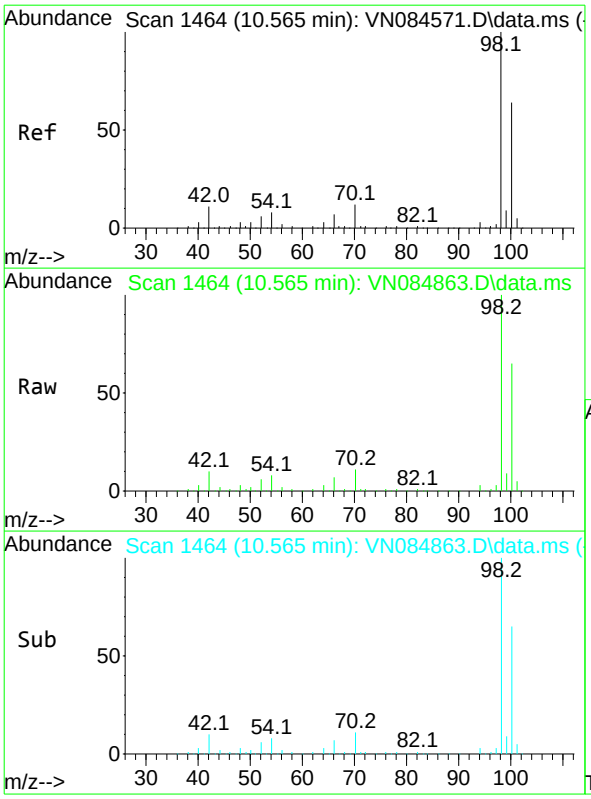


#35
Dibromofluoromethane
Concen: 46.890 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion:113 Resp: 95429

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.3	124.9
192	18.0	13.5	20.3



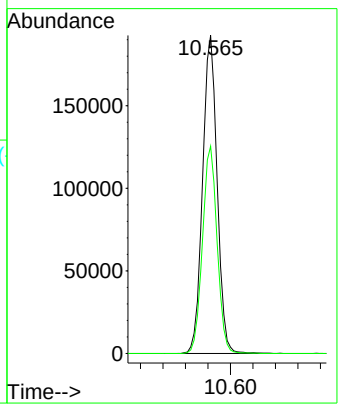


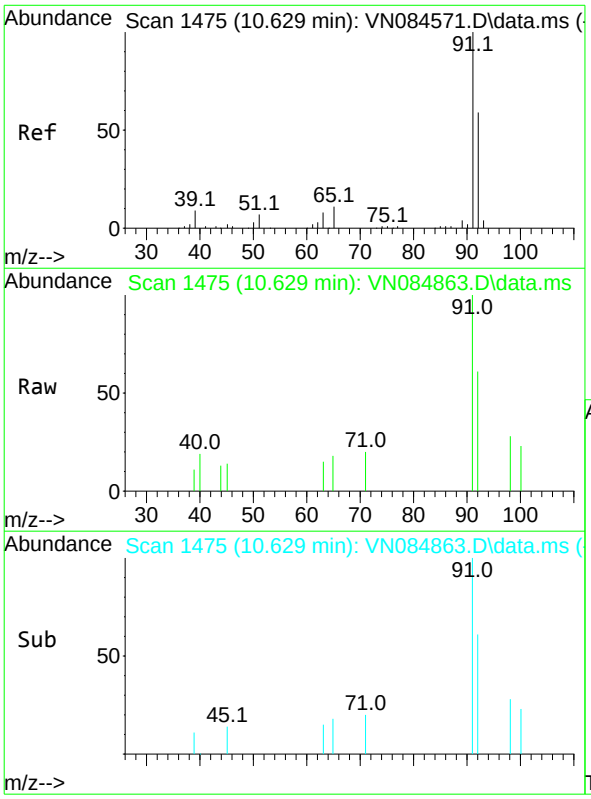
#50
Toluene-d8
Concen: 46.180 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion: 98 Resp: 346208

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.7	79.1

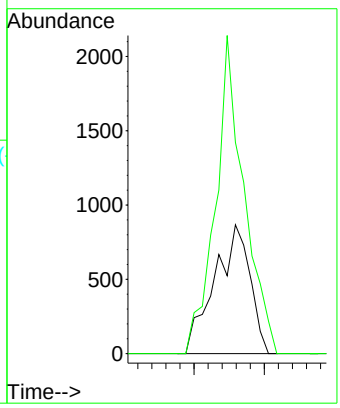


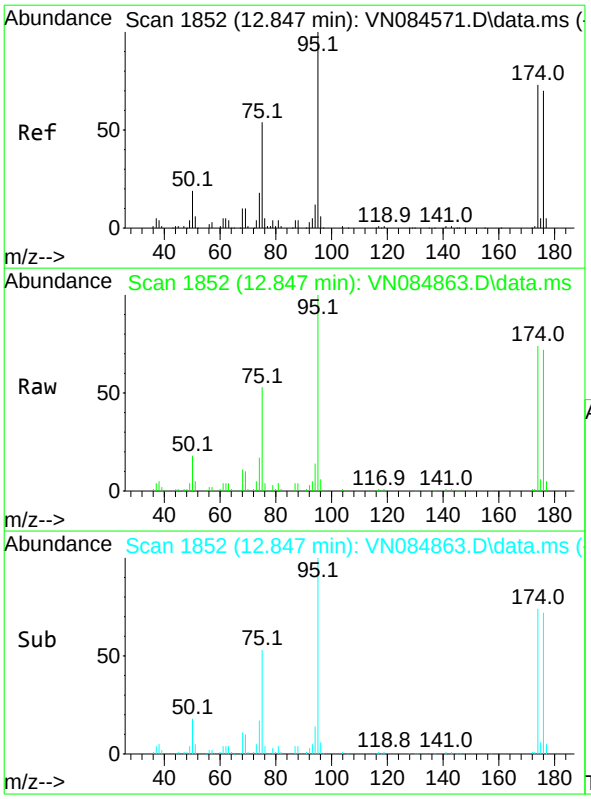


#52
Toluene
Concen: 0.286 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion: 92 Resp: 1518

Ion	Ratio	Lower	Upper
92	100		
91	198.9	137.3	205.9



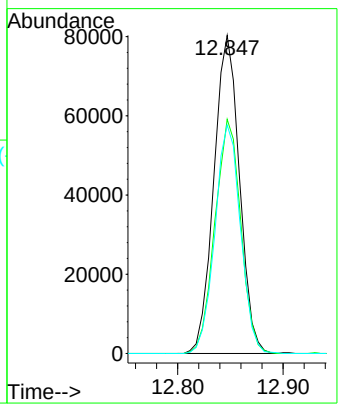


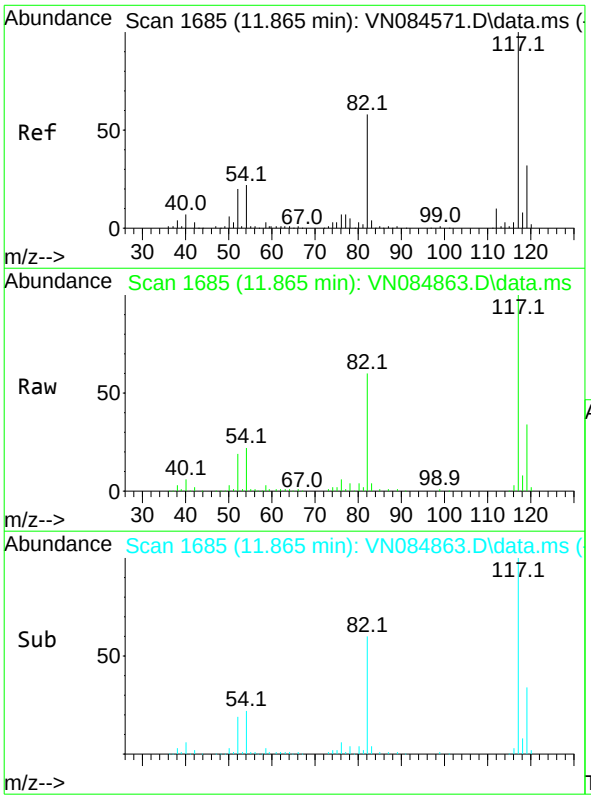
#62
4-Bromofluorobenzene
Concen: 48.322 ug/l
RT: 12.847 min Scan# 18
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion: 95 Resp: 135390

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	145.2
176	71.8	0.0	140.0

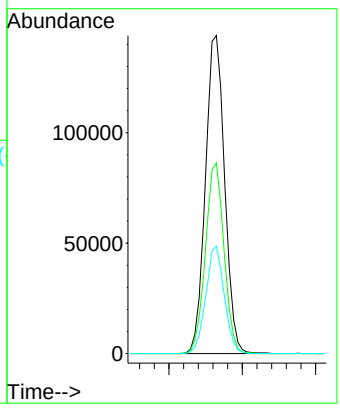


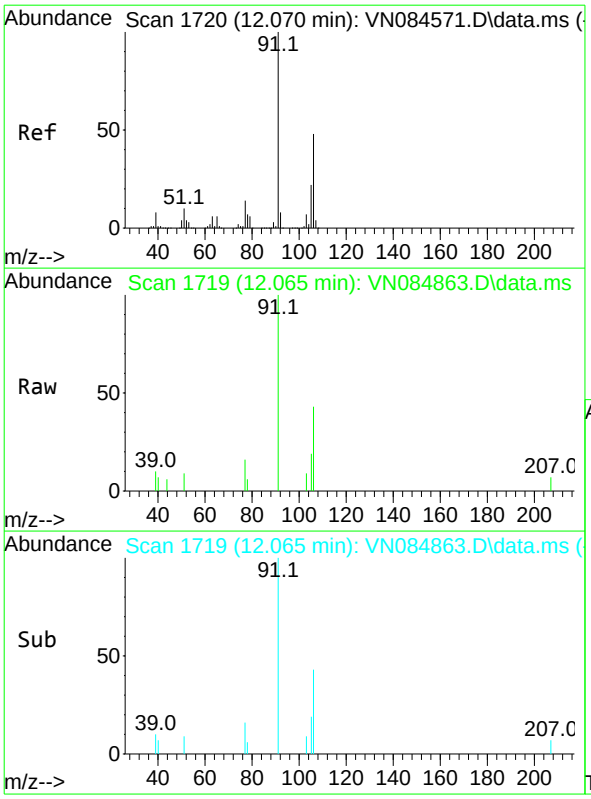


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion:117 Resp: 261851

Ion	Ratio	Lower	Upper
117	100		
82	60.0	47.2	70.8
119	33.8	25.4	38.0



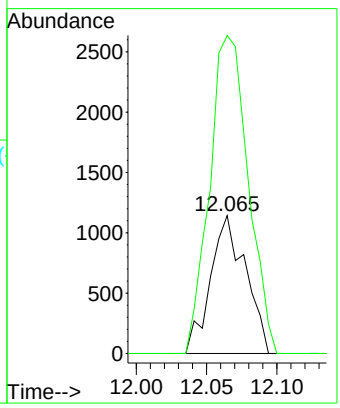


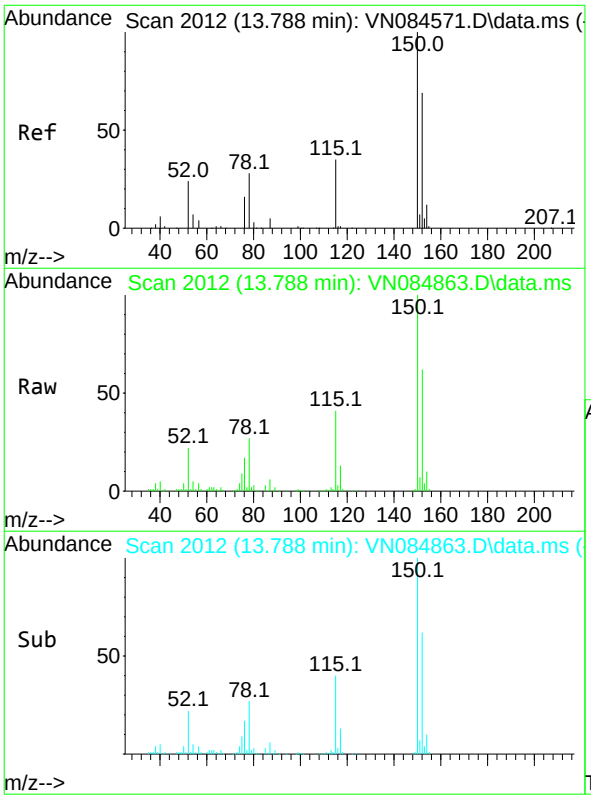
#68
m/p-Xylenes
Concen: 0.536 ug/l
RT: 12.065 min Scan# 17
Delta R.T. -0.006 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion:106 Resp: 1983

Ion	Ratio	Lower	Upper
106	100		
91	254.1	167.1	250.7#

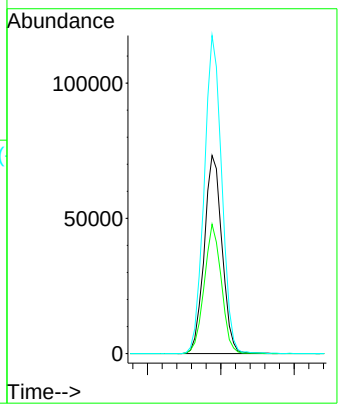




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

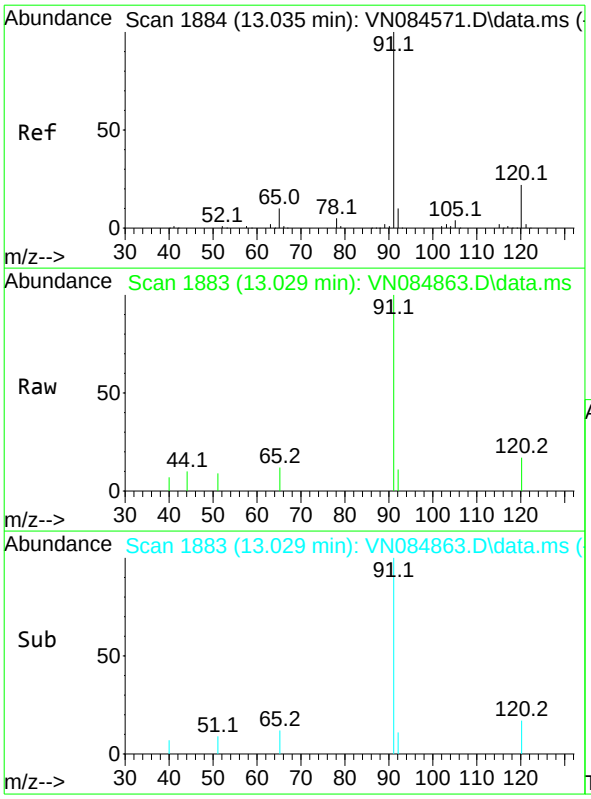
Tgt Ion:152 Resp: 123285

Ion	Ratio	Lower	Upper
152	100		
115	62.8	31.3	93.9
150	158.5	0.0	349.8



5

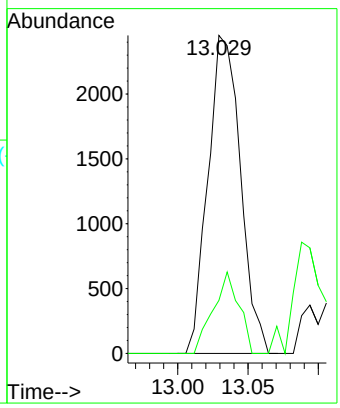
Instrument :
MSVOA_N
ClientSampleId :
MW-10

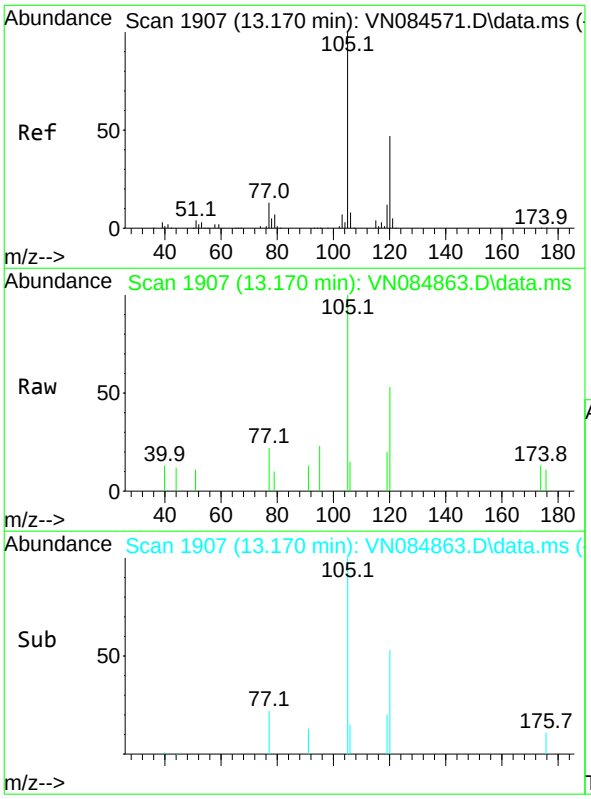


#78
n-propylbenzene
Concen: 0.389 ug/l
RT: 13.029 min Scan# 18
Delta R.T. -0.006 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion: 91 Resp: 3937

Ion	Ratio	Lower	Upper
91	100		
120	20.2	10.8	32.4

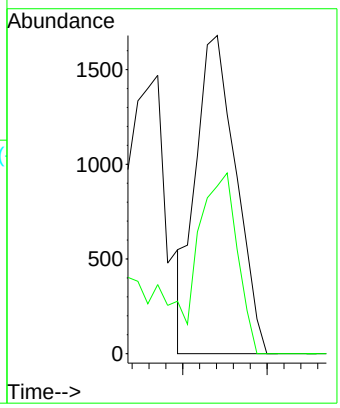


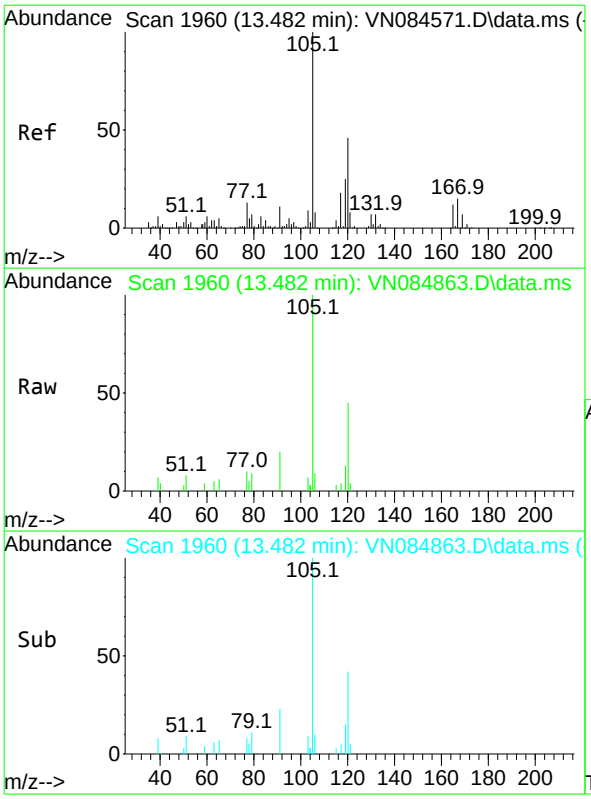


#80
1,3,5-Trimethylbenzene
Concen: 0.388 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion:105 Resp: 2778

Ion	Ratio	Lower	Upper
105	100		
120	51.9	23.7	71.1



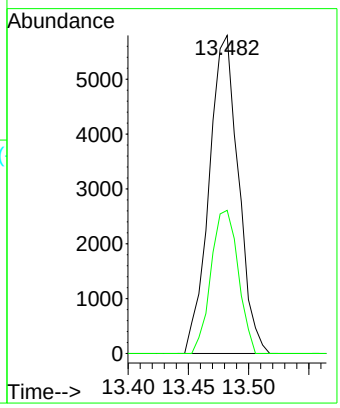


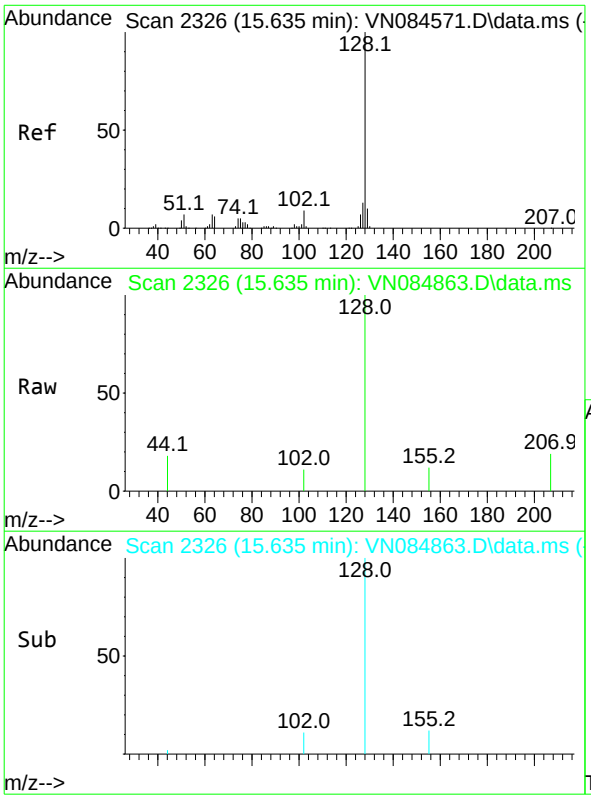
#84
1,2,4-Trimethylbenzene
Concen: 1.330 ug/l
RT: 13.482 min Scan# 19
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion:105 Resp: 9830

Ion	Ratio	Lower	Upper
105	100		
120	41.7	22.3	66.8

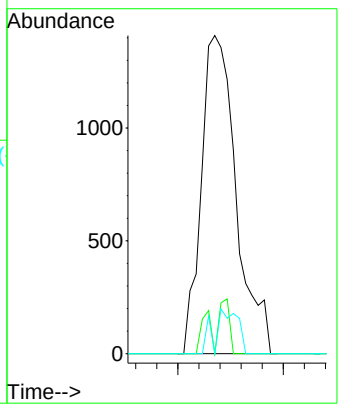




#95
Naphthalene
Concen: 0.454 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084863.D
Acq: 14 Nov 2024 19:46

Tgt Ion:128 Resp: 3240

Ion	Ratio	Lower	Upper
128	100		
127	5.1	10.5	15.7#
129	9.3	8.7	13.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084830.D
Acq On : 13 Nov 2024 16:47
Operator : JC\MD
Sample : P4770-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Quant Time: Nov 14 00:38:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

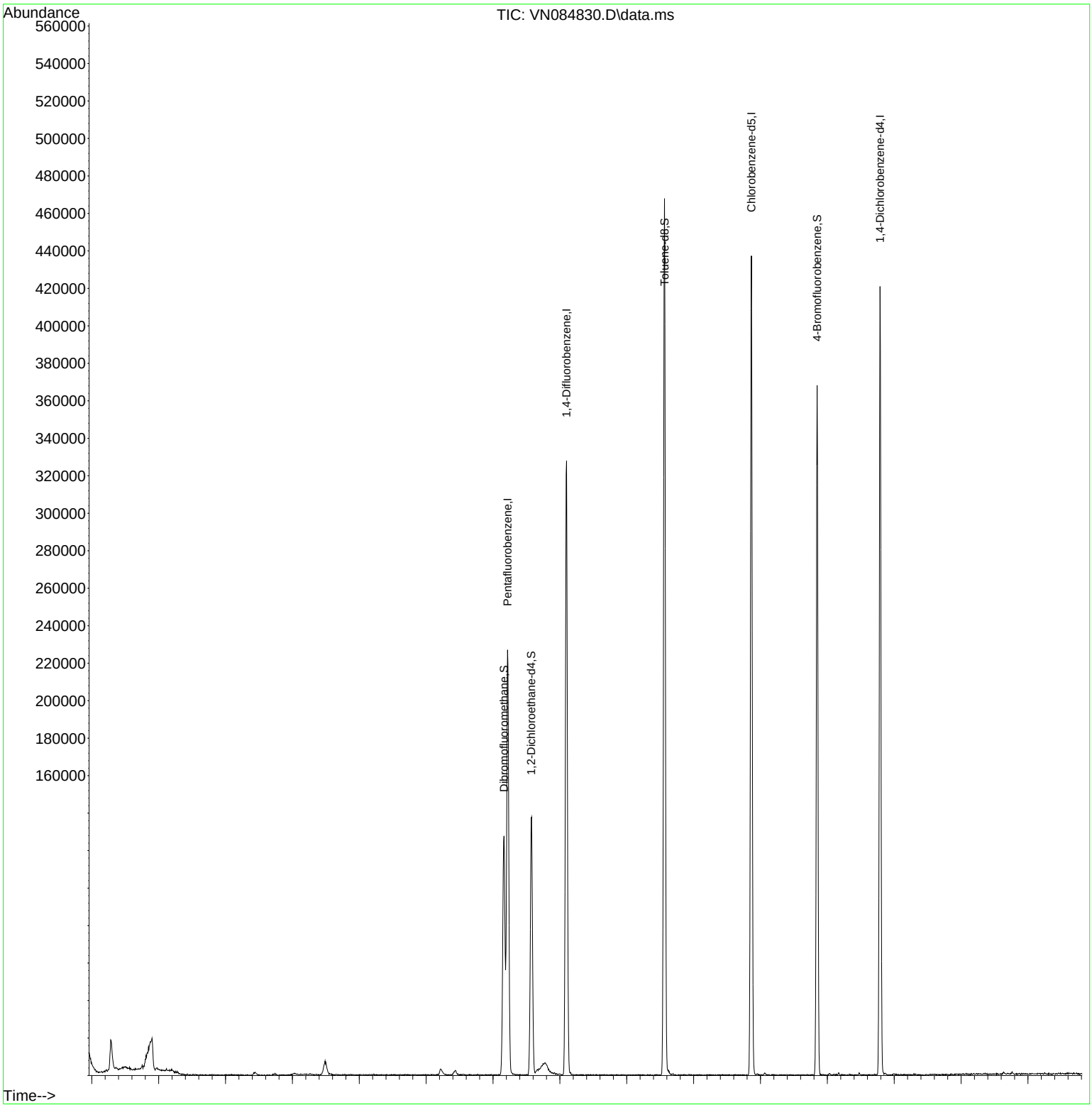
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	165362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	254102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	116307	48.697	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.400%			
35) Dibromofluoromethane	8.165	113	93767	48.566	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.140%			
50) Toluene-d8	10.565	98	330214	46.430	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.860%			
62) 4-Bromofluorobenzene	12.847	95	127227	47.865	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.740%			
Target Compounds						Qvalue

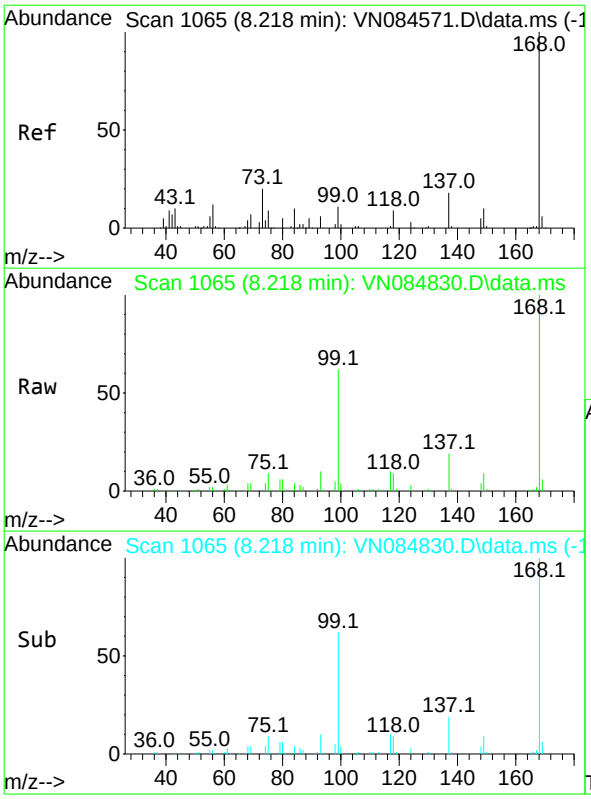
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084830.D
Acq On : 13 Nov 2024 16:47
Operator : JC\MD
Sample : P4770-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Quant Time: Nov 14 00:38:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



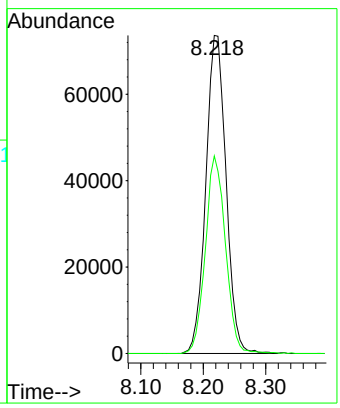


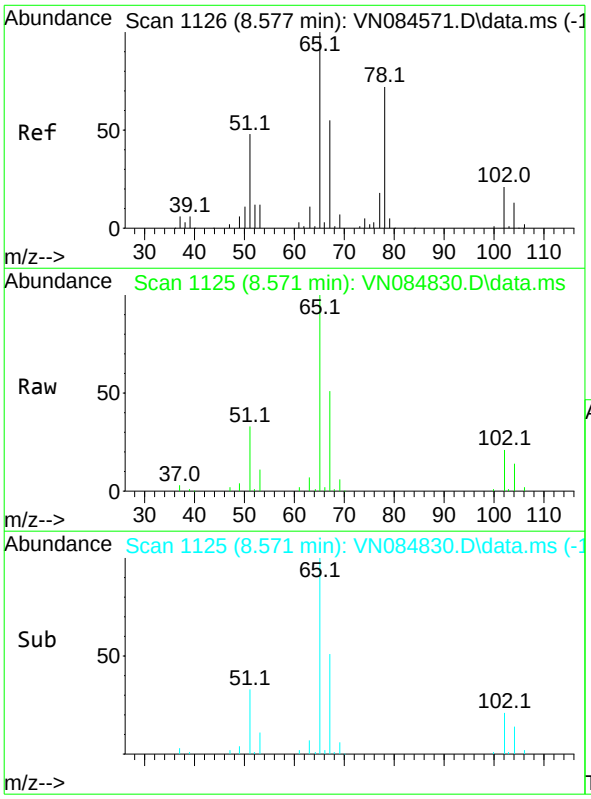
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:168 Resp: 165362

Ion	Ratio	Lower	Upper
168	100		
99	62.1	54.2	81.2

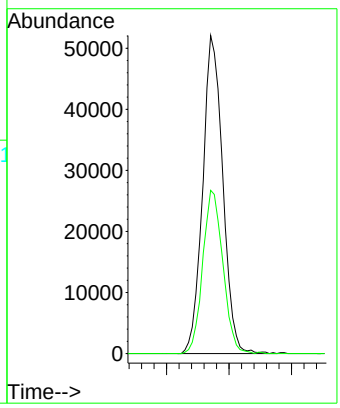


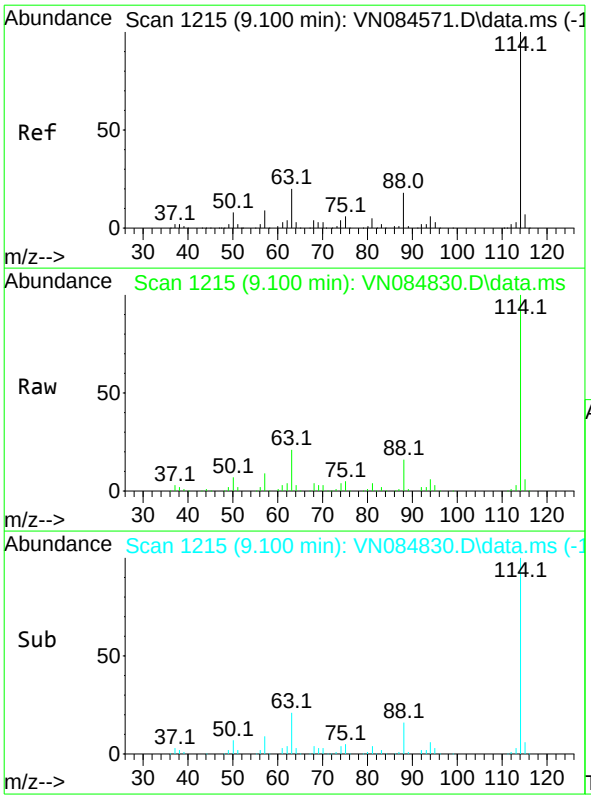


#33
1,2-Dichloroethane-d4
Concen: 48.697 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Tgt Ion: 65 Resp: 116307

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.0



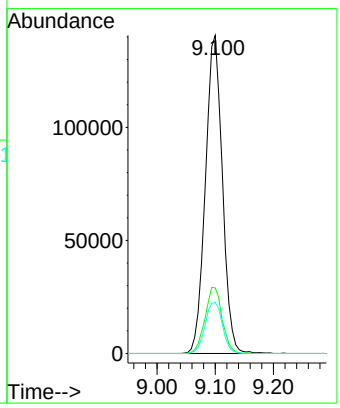


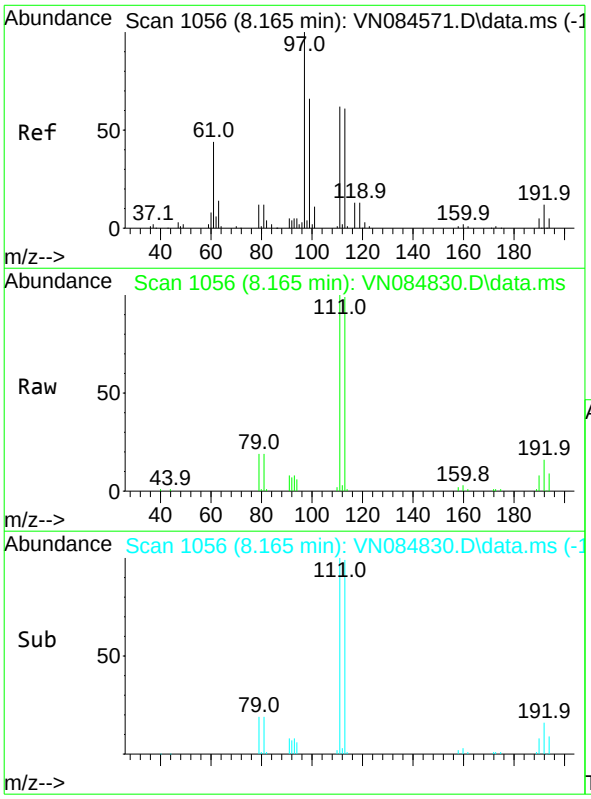
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. -0.000 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:114 Resp: 285235

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.8
88	16.1	0.0	31.6

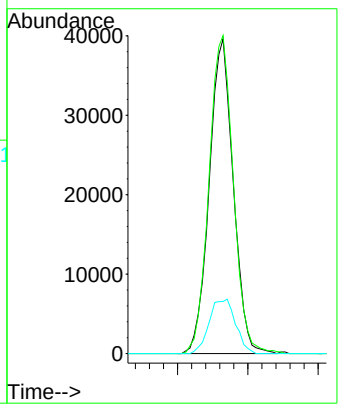


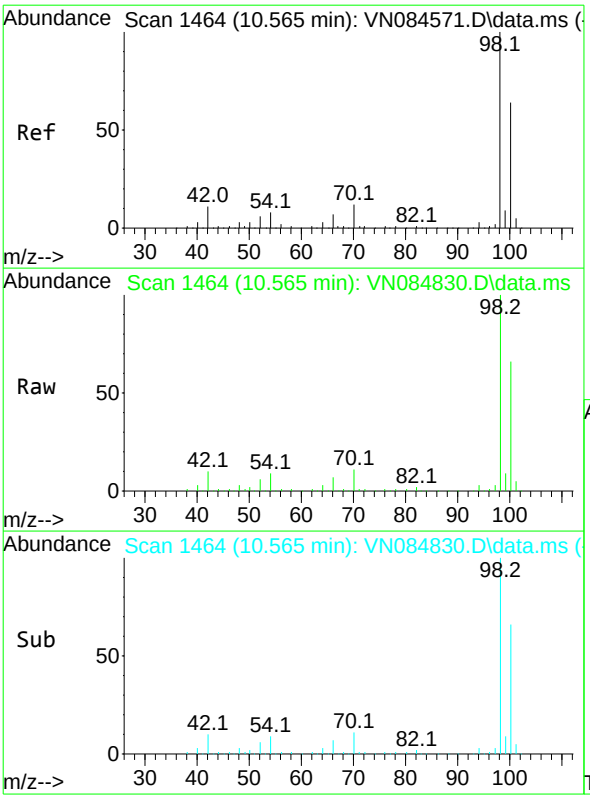


#35
Dibromofluoromethane
Concen: 48.566 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Tgt Ion:113 Resp: 93767

Ion	Ratio	Lower	Upper
113	100		
111	102.9	83.3	124.9
192	18.9	13.5	20.3



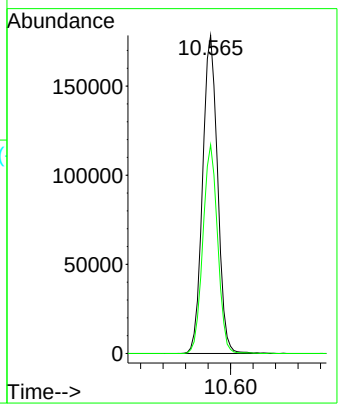


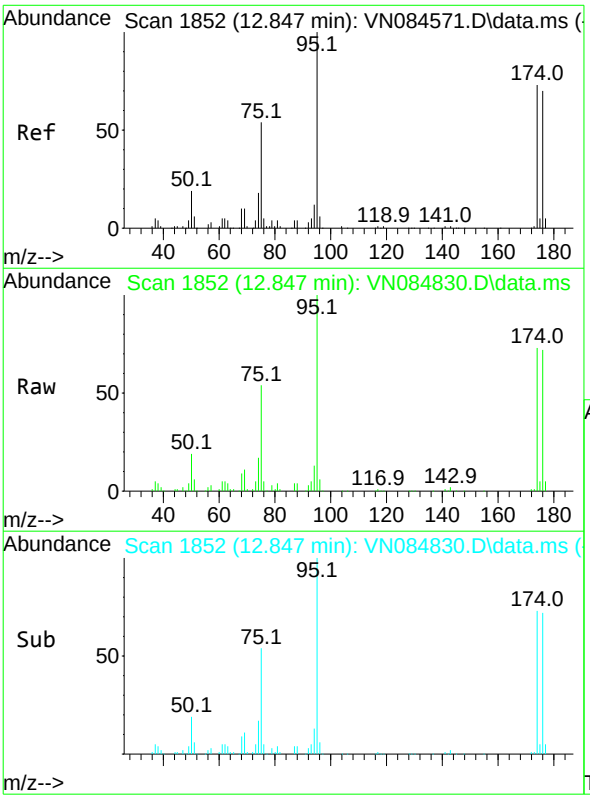
#50
Toluene-d8
Concen: 46.430 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion: 98 Resp: 330214

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.7	79.1

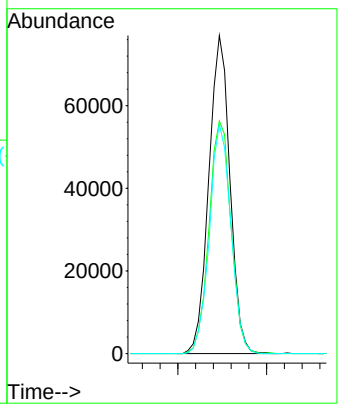


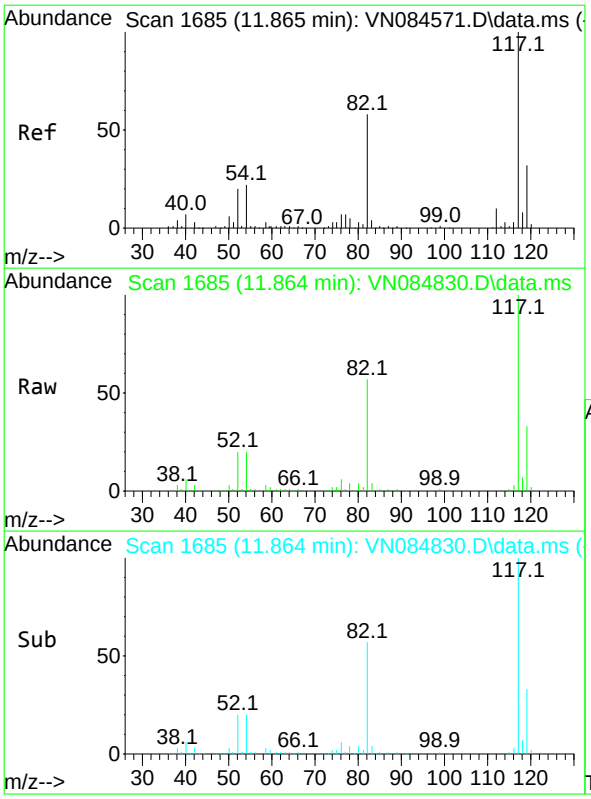


#62
4-Bromofluorobenzene
Concen: 47.865 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Tgt Ion: 95 Resp: 127227

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	145.2
176	73.1	0.0	140.0



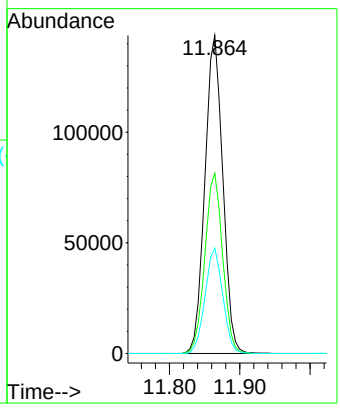


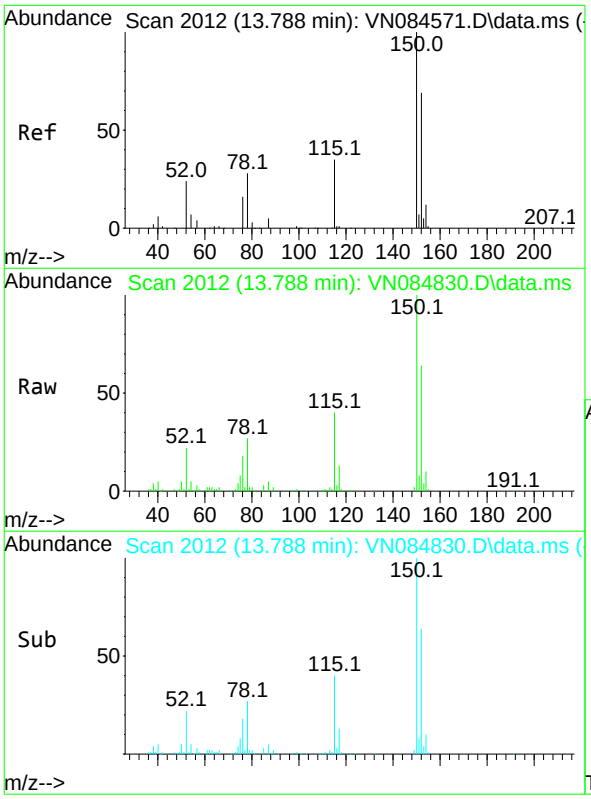
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 16
Delta R.T. -0.001 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Instrument :
MSVOA_N
ClientSampleId :
FIELD-BLANK

Tgt Ion:117 Resp: 254102

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.2	70.8
119	33.1	25.4	38.0

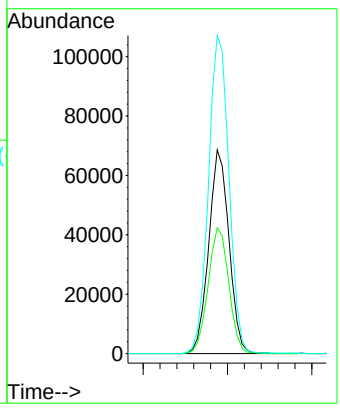




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084830.D
Acq: 13 Nov 2024 16:47

Tgt Ion:152 Resp: 114393

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.3	93.9
150	157.9	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084832.D
Acq On : 13 Nov 2024 17:35
Operator : JC\MD
Sample : P4770-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Quant Time: Nov 14 00:39:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

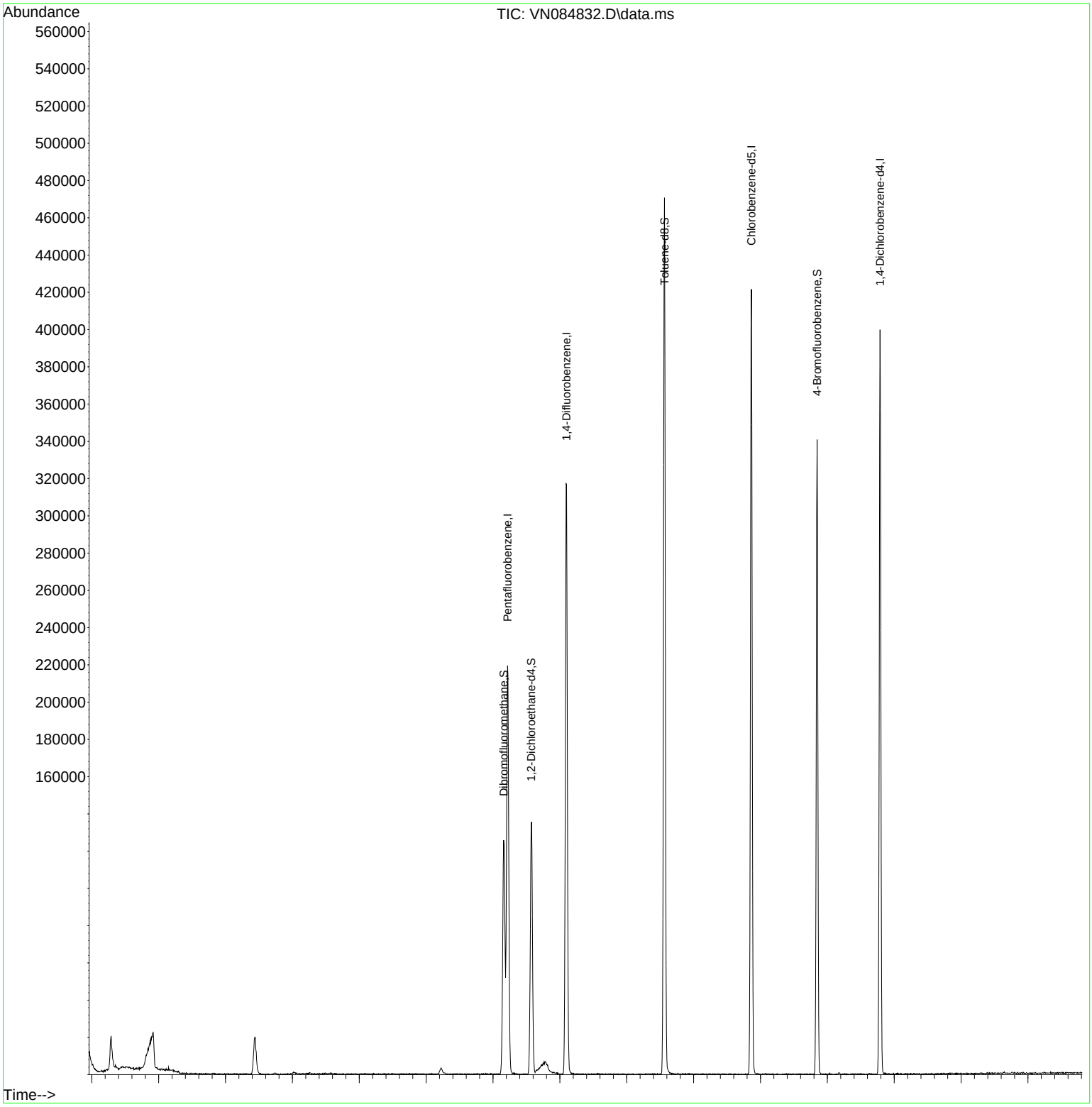
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	162509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	277494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	246107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108148	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	113469	48.343	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.680%		
35) Dibromofluoromethane	8.159	113	93572	49.817	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.640%		
50) Toluene-d8	10.565	98	325730	47.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.160%		
62) 4-Bromofluorobenzene	12.847	95	118884	45.974	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.940%		
Target Compounds						Qvalue

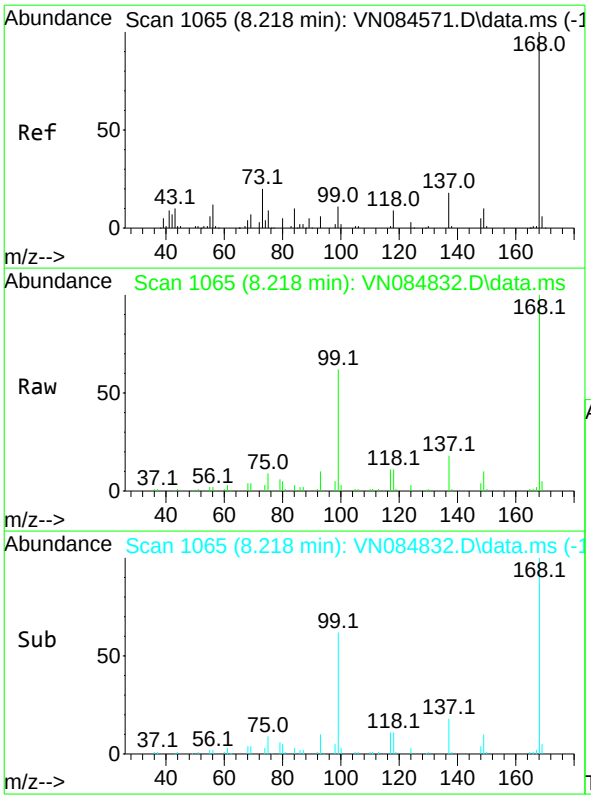
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084832.D
Acq On : 13 Nov 2024 17:35
Operator : JC\MD
Sample : P4770-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Quant Time: Nov 14 00:39:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



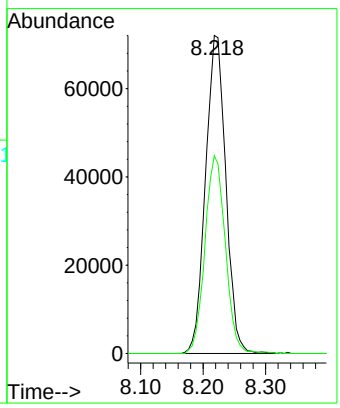


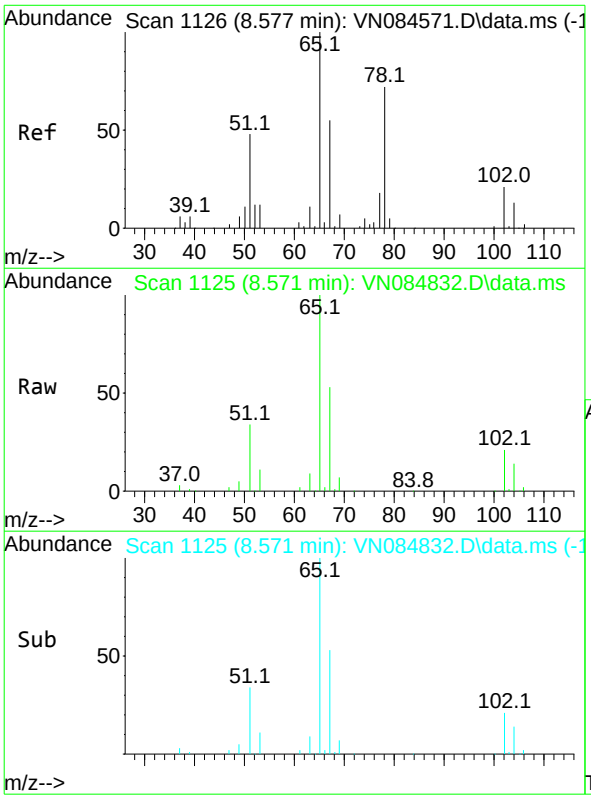
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion:168 Resp: 162509

Ion	Ratio	Lower	Upper
168	100		
99	62.2	54.2	81.2

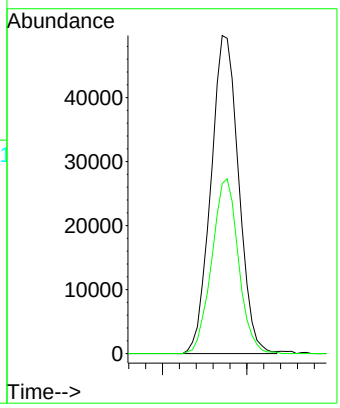


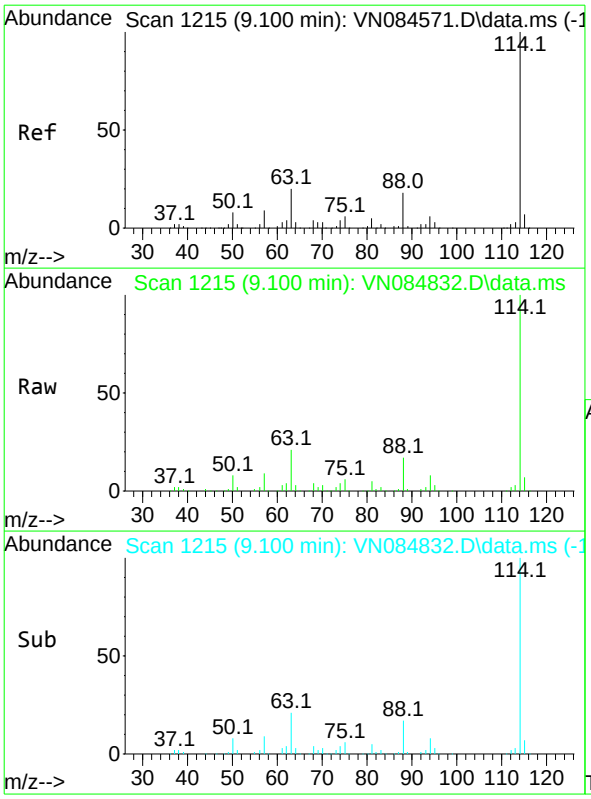


#33
1,2-Dichloroethane-d4
Concen: 48.343 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Tgt Ion: 65 Resp: 113469

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.0



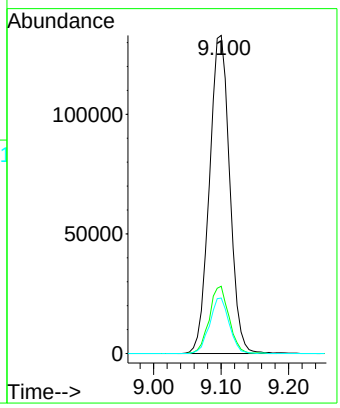


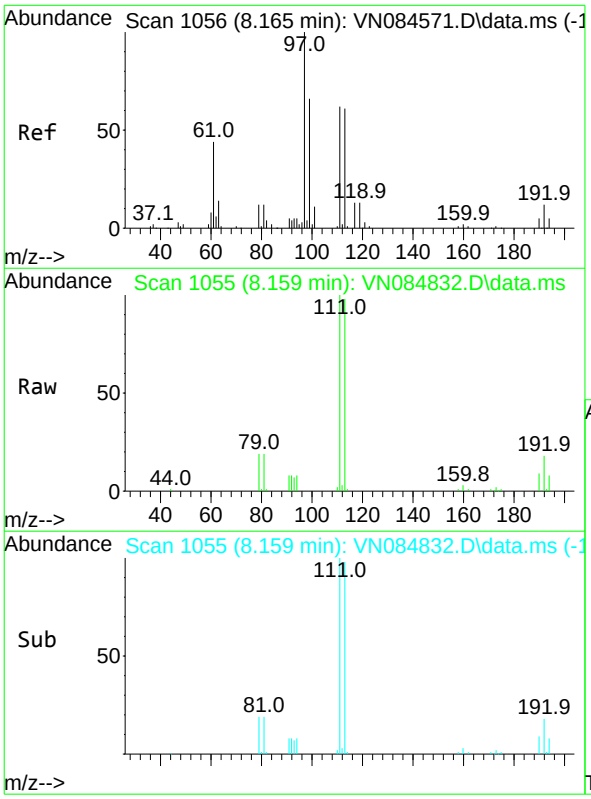
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion:114 Resp: 277494

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	17.4	0.0	31.6

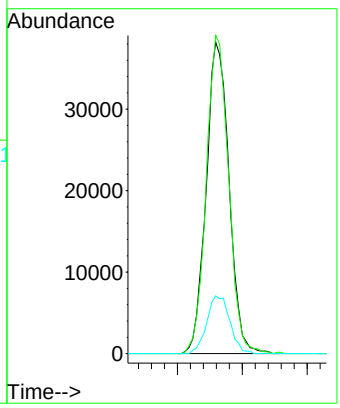


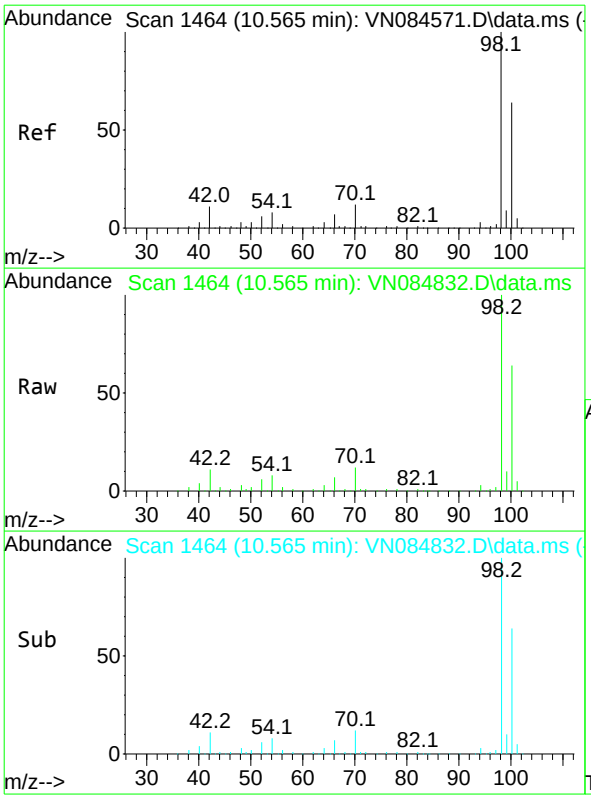


#35
Dibromofluoromethane
Concen: 49.817 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Tgt Ion:113 Resp: 93572

Ion	Ratio	Lower	Upper
113	100		
111	99.8	83.3	124.9
192	18.6	13.5	20.3



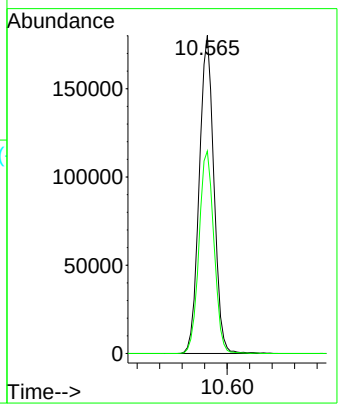


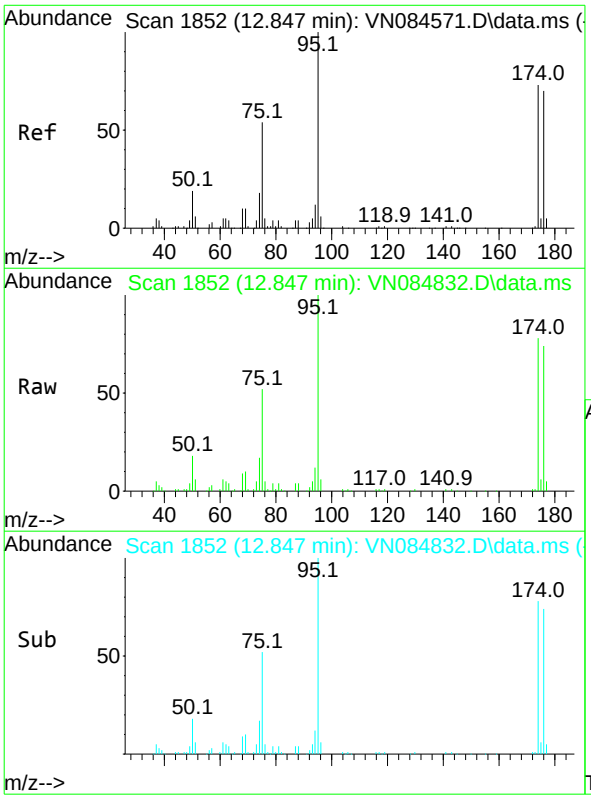
#50
Toluene-d8
Concen: 47.077 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion: 98 Resp: 325730

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

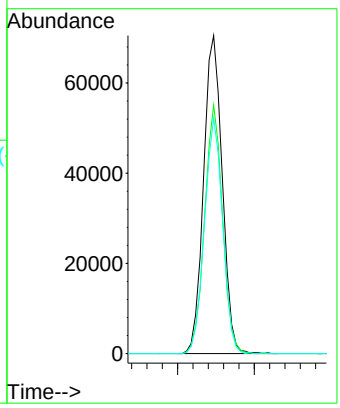


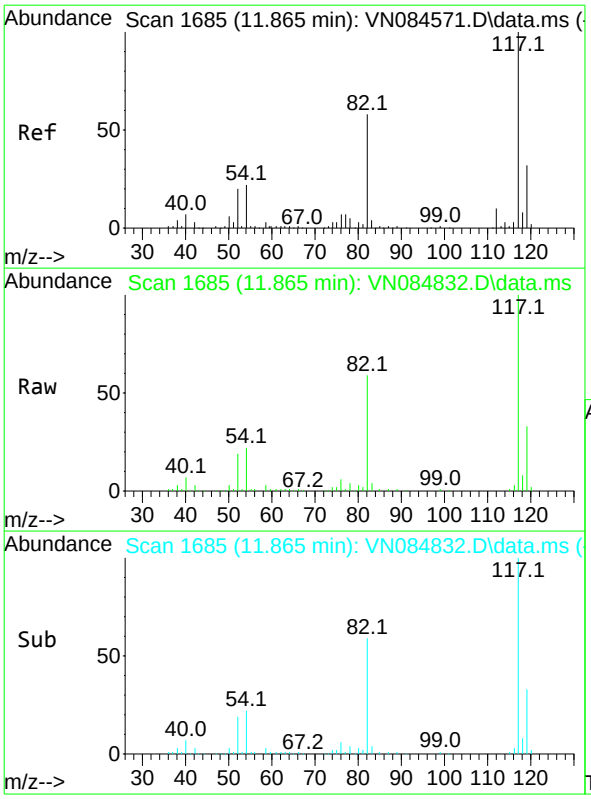


#62
4-Bromofluorobenzene
Concen: 45.974 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Tgt Ion: 95 Resp: 118884

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	145.2
176	72.3	0.0	140.0



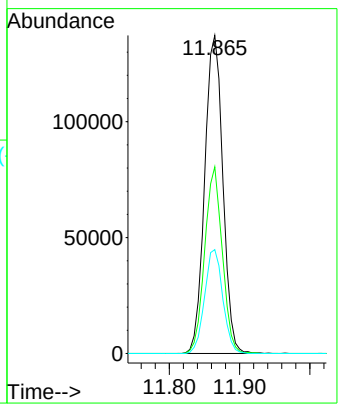


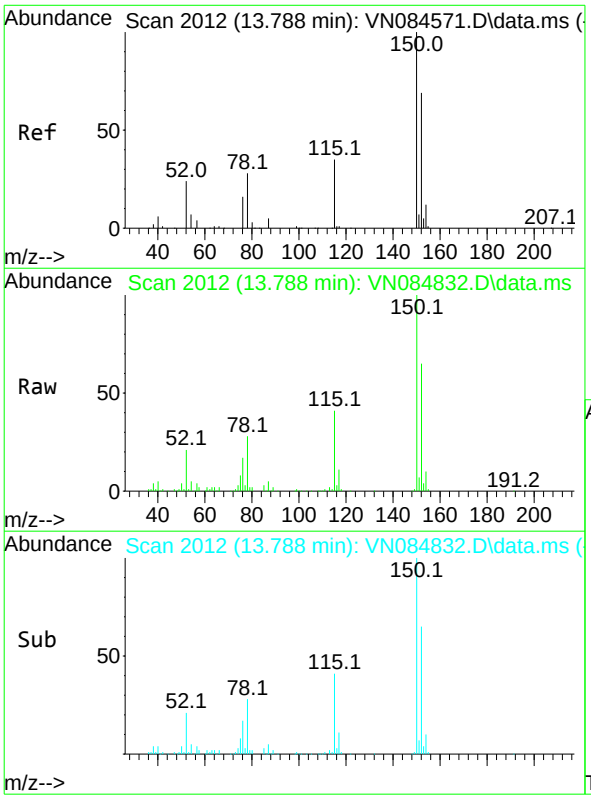
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion:117 Resp: 246107

Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.2	70.8
119	32.7	25.4	38.0

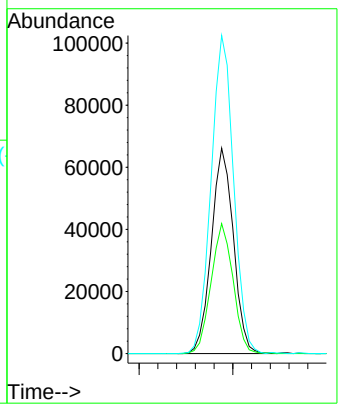




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084832.D
Acq: 13 Nov 2024 17:35

Tgt Ion:152 Resp: 108148

Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.3	93.9
150	158.1	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084817.D
Acq On : 13 Nov 2024 10:50
Operator : JC\MD
Sample : VN1113WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Quant Time: Nov 14 00:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

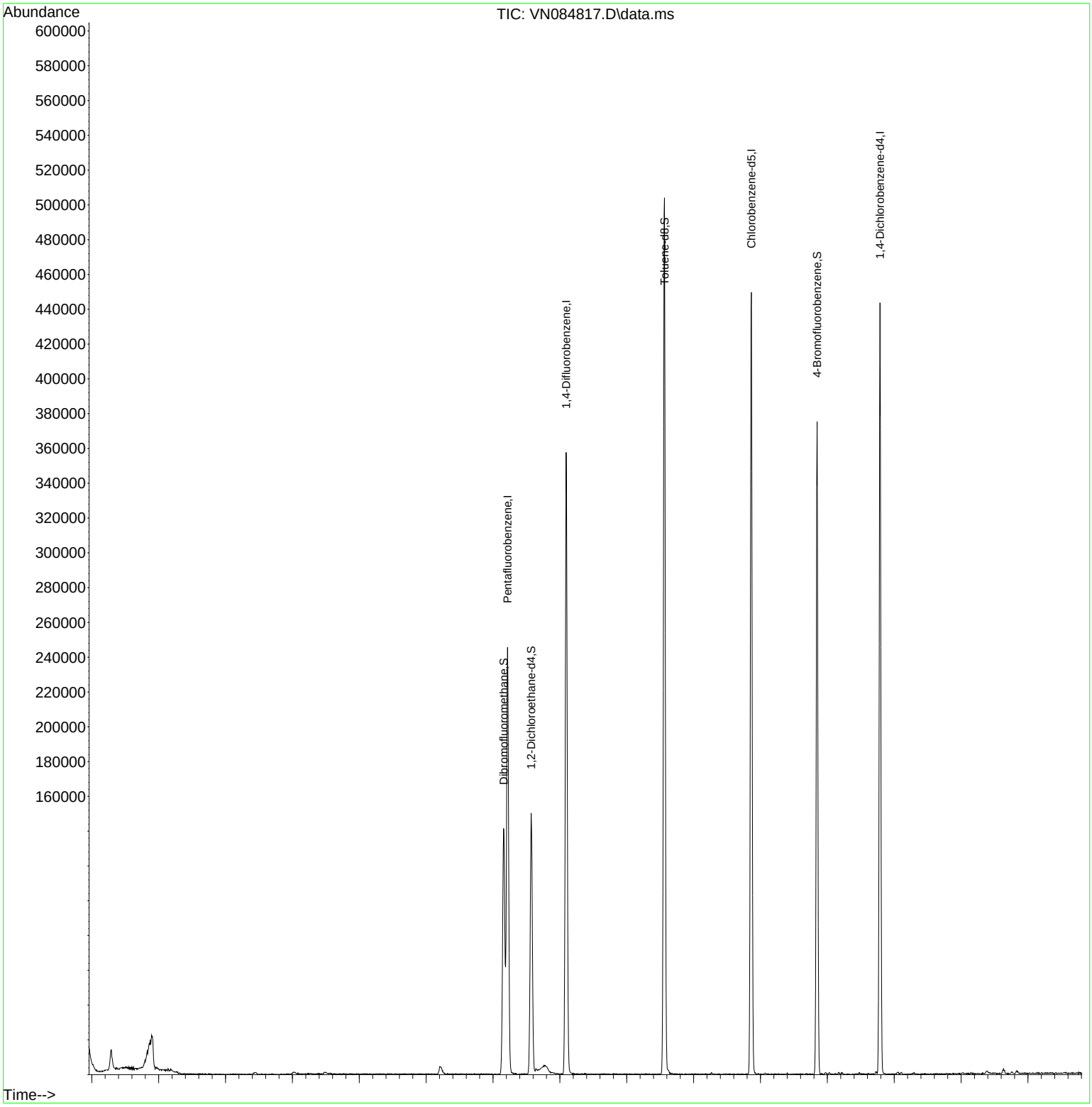
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	177026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	303081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	126582	49.507	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.020%		
35) Dibromofluoromethane	8.159	113	102487	49.957	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.920%		
50) Toluene-d8	10.565	98	352443	46.638	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.280%		
62) 4-Bromofluorobenzene	12.847	95	129442	45.831	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.660%		
Target Compounds						Qvalue

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

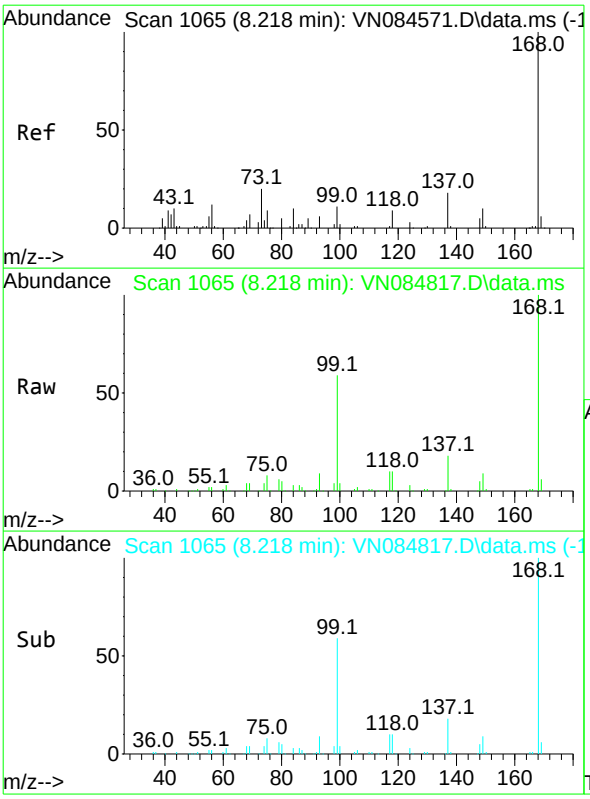
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084817.D
Acq On : 13 Nov 2024 10:50
Operator : JC\MD
Sample : VN1113WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Quant Time: Nov 14 00:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



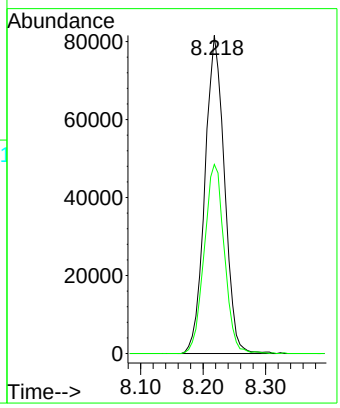
Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

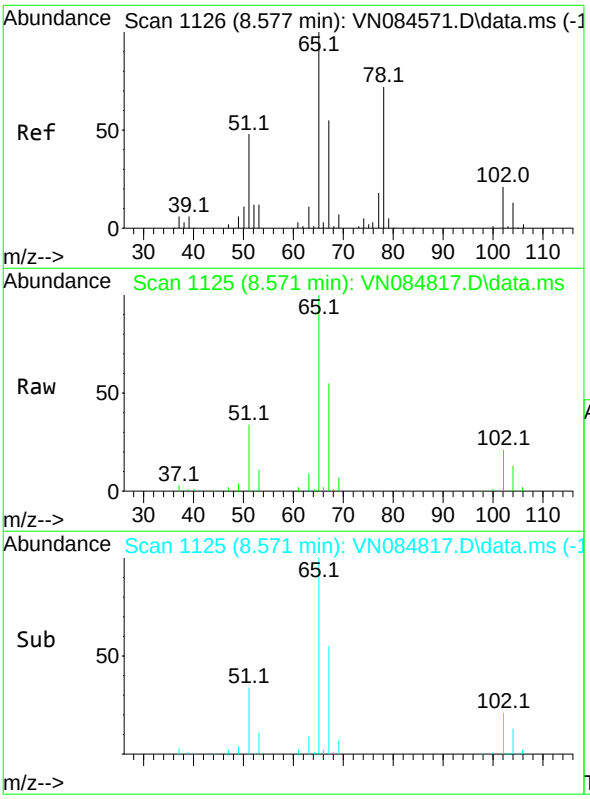


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion:168 Resp: 177026

Ion	Ratio	Lower	Upper
168	100		
99	59.4	54.2	81.2

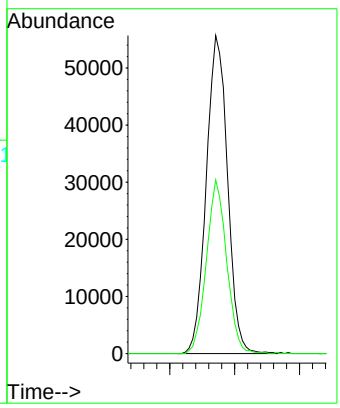


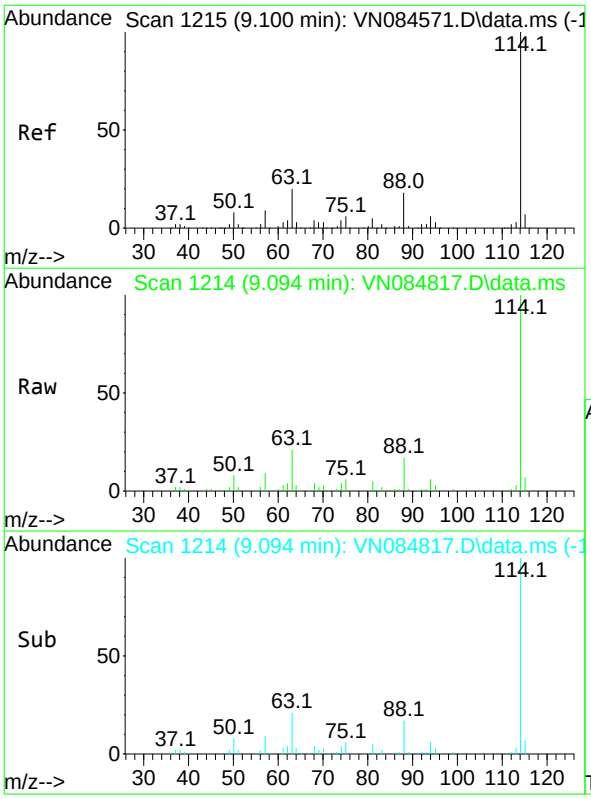


#33
1,2-Dichloroethane-d4
Concen: 49.507 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 65 Resp: 126582

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0



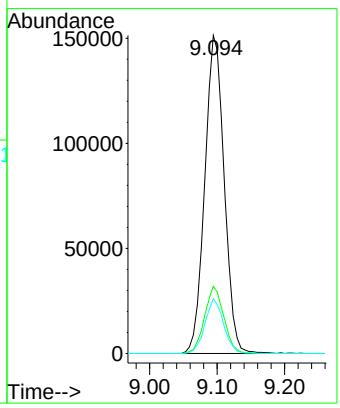


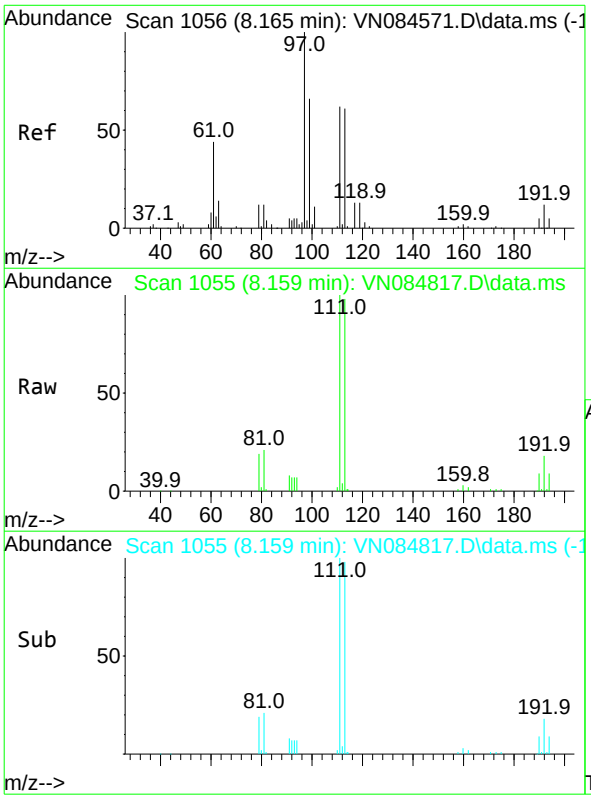
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion:114 Resp: 303081

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.8
88	17.3	0.0	31.6

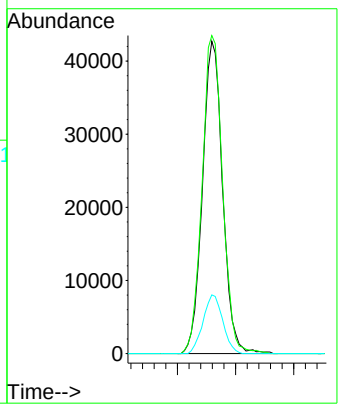


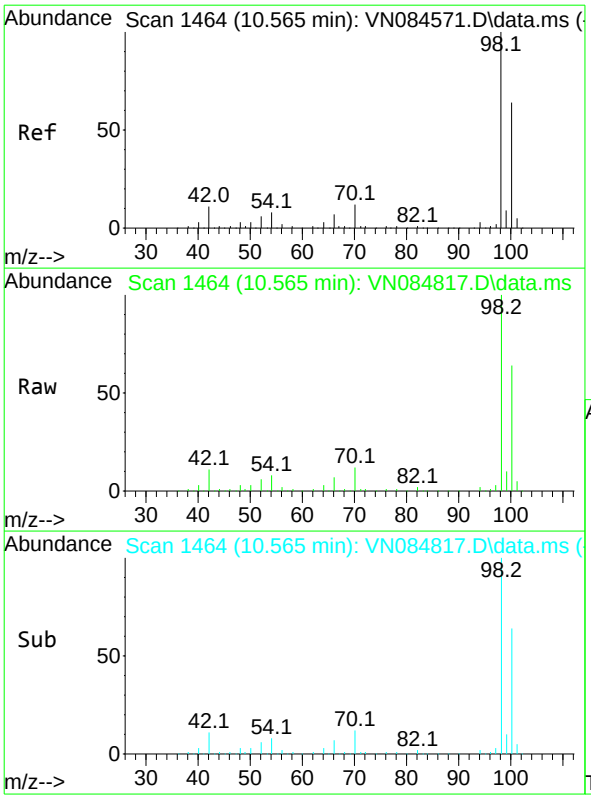


#35
Dibromofluoromethane
Concen: 49.957 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion:113 Resp: 102487

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.3	124.9
192	18.4	13.5	20.3



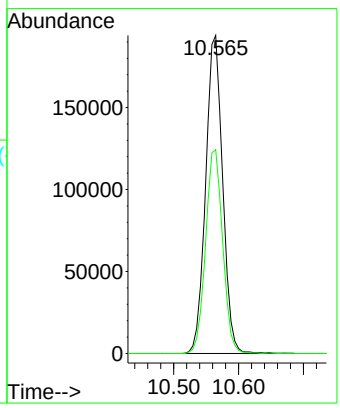


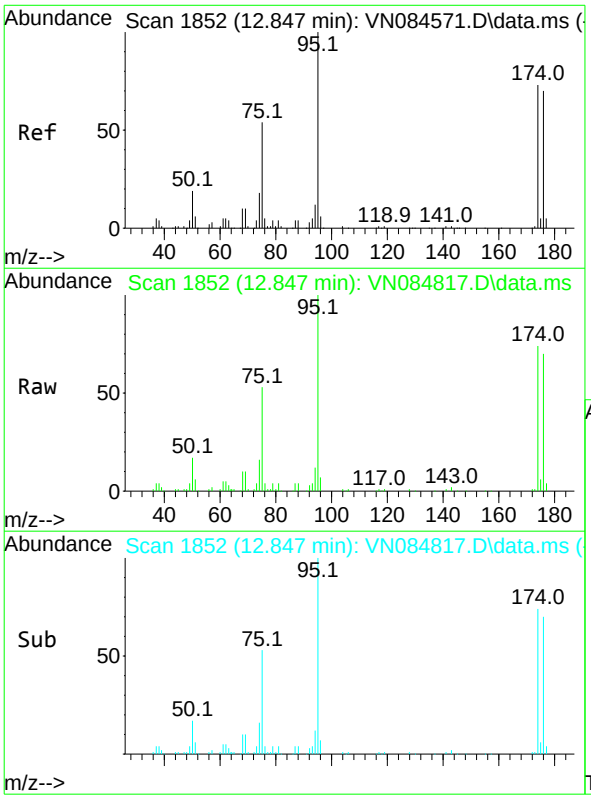
#50
Toluene-d8
Concen: 46.638 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion: 98 Resp: 352443

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

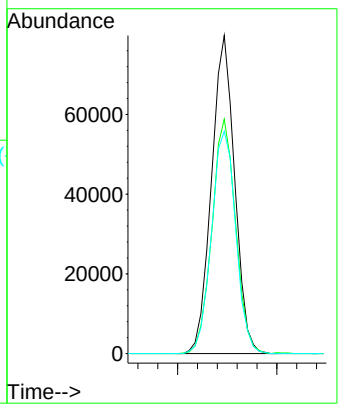


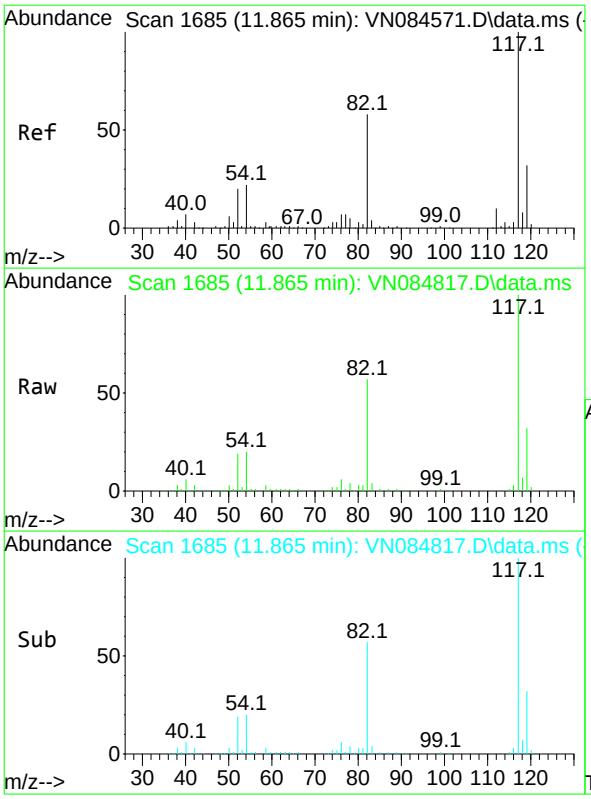


#62
4-Bromofluorobenzene
Concen: 45.831 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 95 Resp: 129442

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	145.2
176	73.1	0.0	140.0



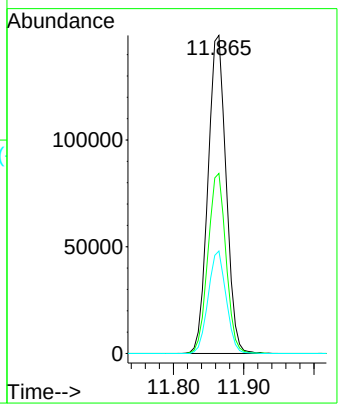


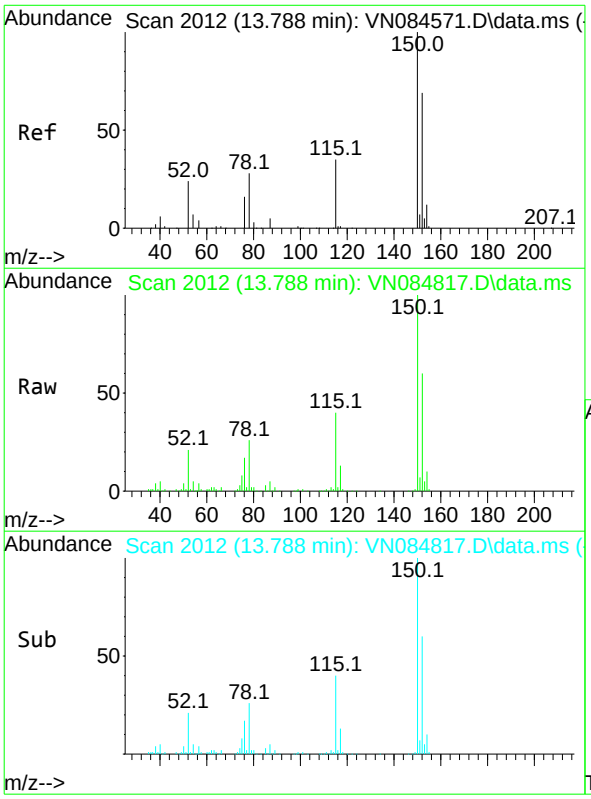
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion:117 Resp: 266497

Ion	Ratio	Lower	Upper
117	100		
82	56.6	47.2	70.8
119	32.2	25.4	38.0

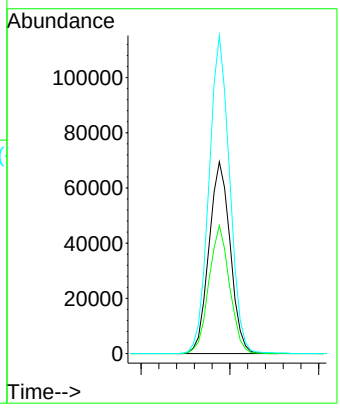




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion:152 Resp: 115573

Ion	Ratio	Lower	Upper
152	100		
115	64.8	31.3	93.9
150	161.6	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084844.D
Acq On : 14 Nov 2024 10:52
Operator : JC\MD
Sample : VN1114WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Quant Time: Nov 15 00:42:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

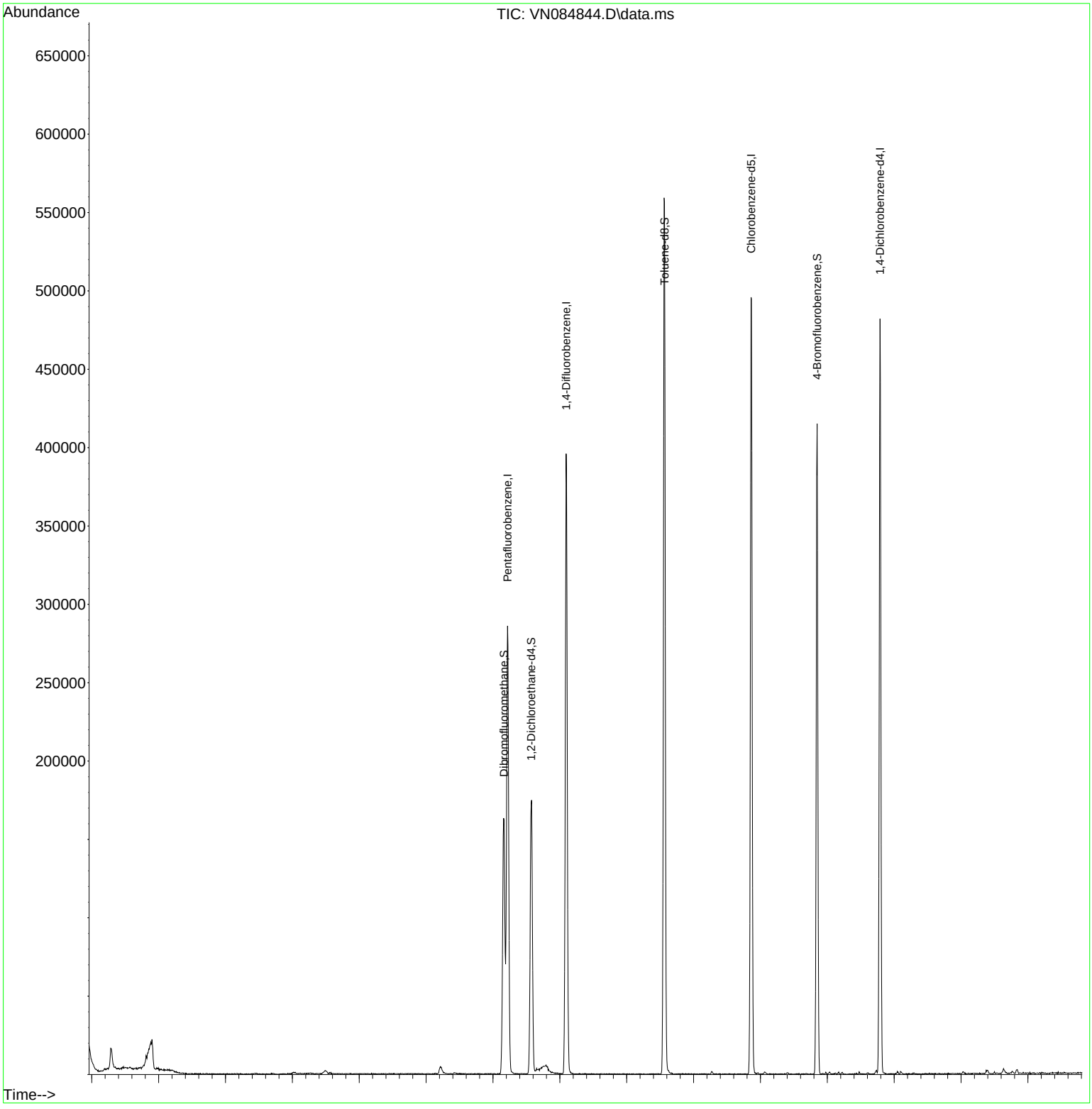
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	203029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	340637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	293869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	149395	50.946	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.900%			
35) Dibromofluoromethane	8.165	113	119930	52.015	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.020%			
50) Toluene-d8	10.565	98	393047	46.276	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.560%			
62) 4-Bromofluorobenzene	12.847	95	149177	46.995	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.000%			
Target Compounds						Qvalue

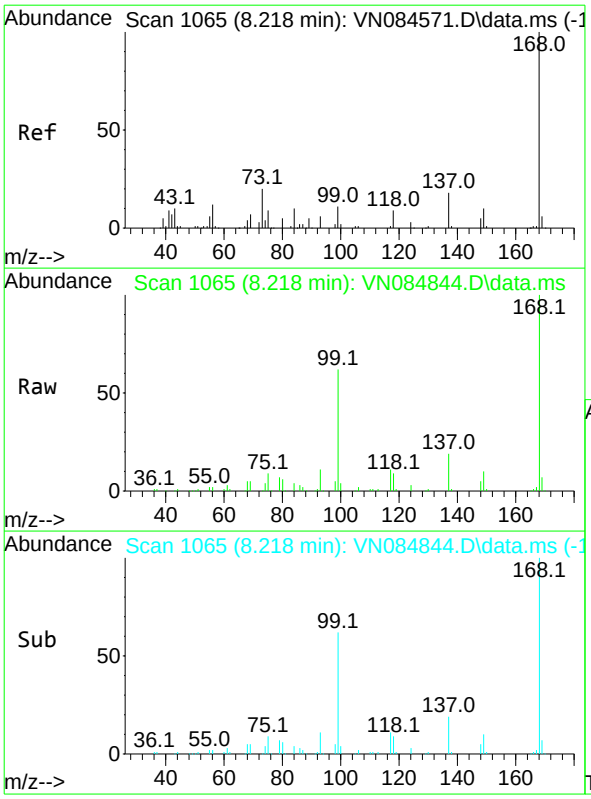
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084844.D
Acq On : 14 Nov 2024 10:52
Operator : JC\MD
Sample : VN1114WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Quant Time: Nov 15 00:42:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



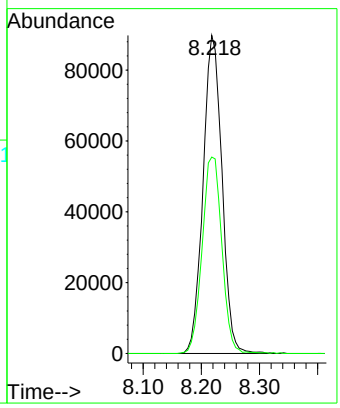


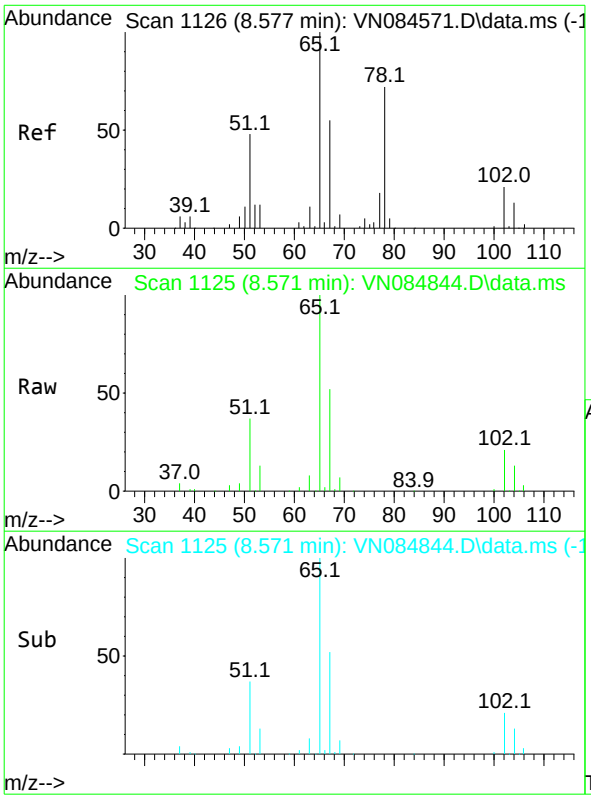
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tgt Ion:168 Resp: 203029

Ion	Ratio	Lower	Upper
168	100		
99	61.8	54.2	81.2

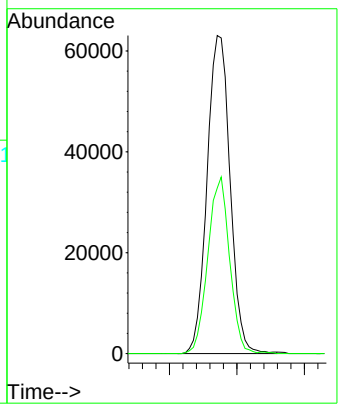


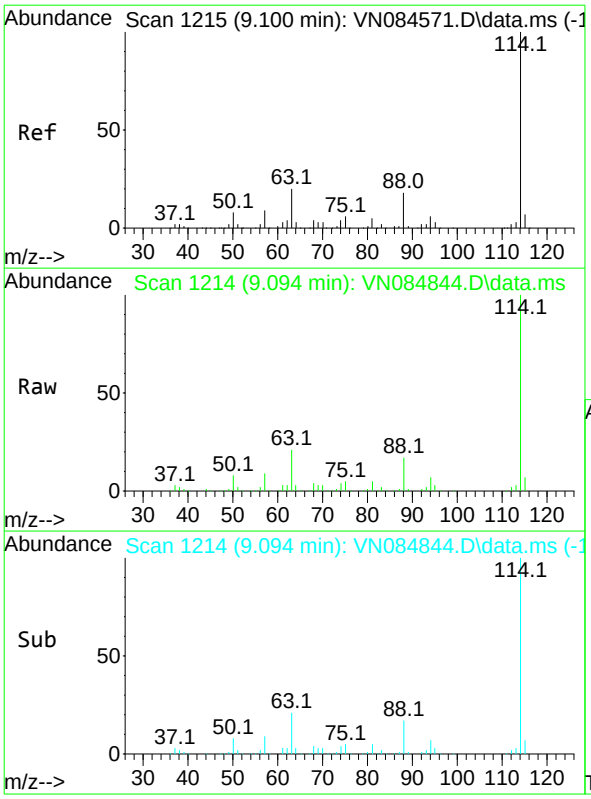


#33
1,2-Dichloroethane-d4
Concen: 50.946 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion: 65 Resp: 149395

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	102.0



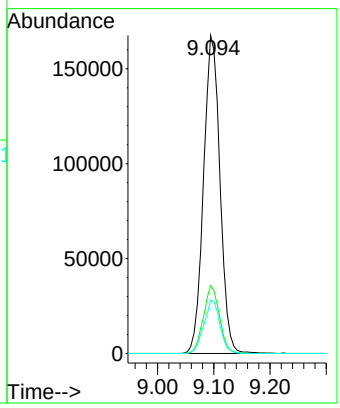


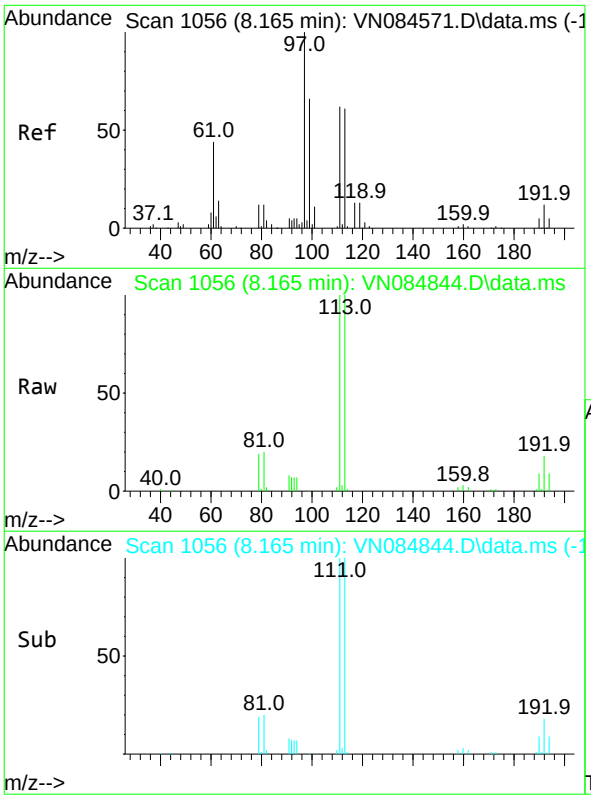
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tgt Ion:114 Resp: 340637

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.8
88	16.8	0.0	31.6

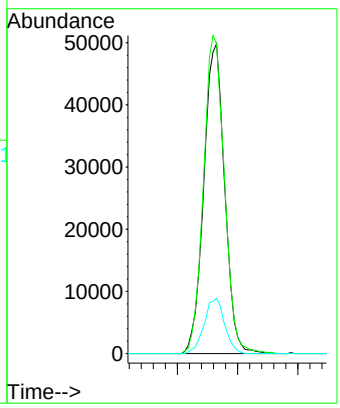


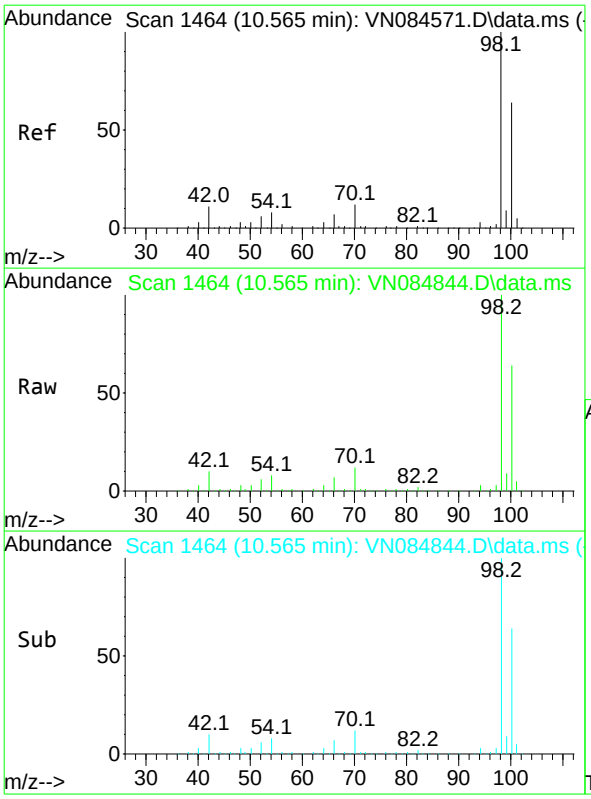


#35
Dibromofluoromethane
Concen: 52.015 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion:113 Resp: 119930

Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.3	124.9
192	17.4	13.5	20.3



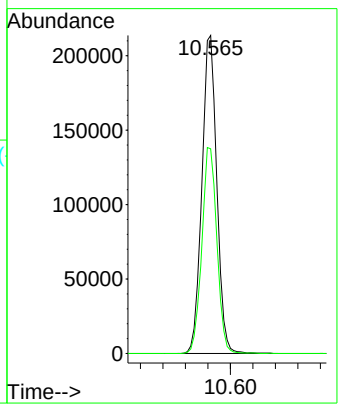


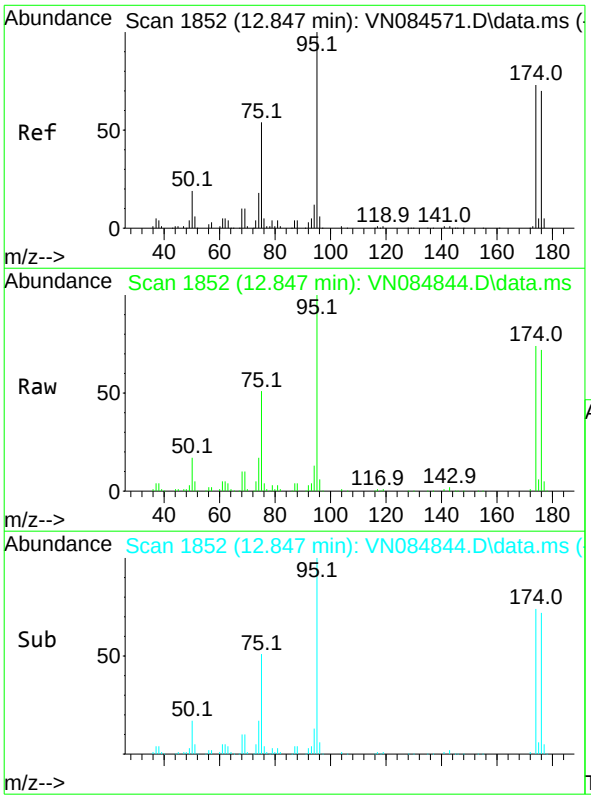
#50
Toluene-d8
Concen: 46.276 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tgt Ion: 98 Resp: 393047

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.7	79.1

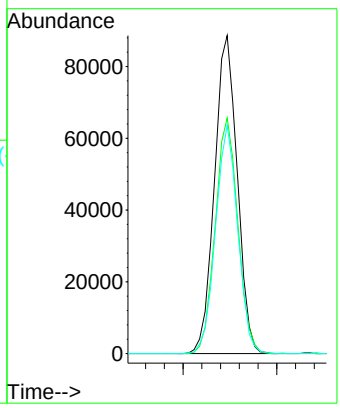


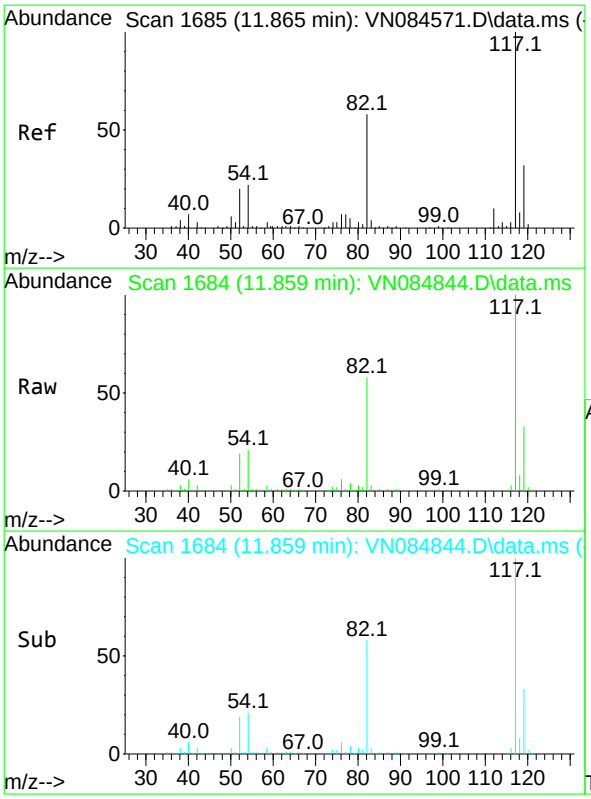


#62
4-Bromofluorobenzene
Concen: 46.995 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion: 95 Resp: 149177

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	145.2
176	69.9	0.0	140.0



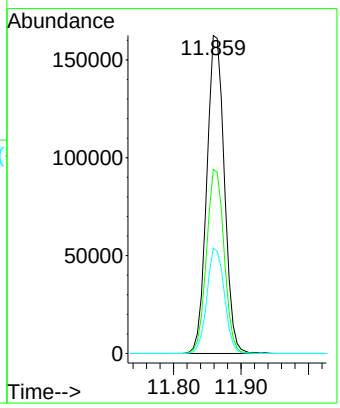


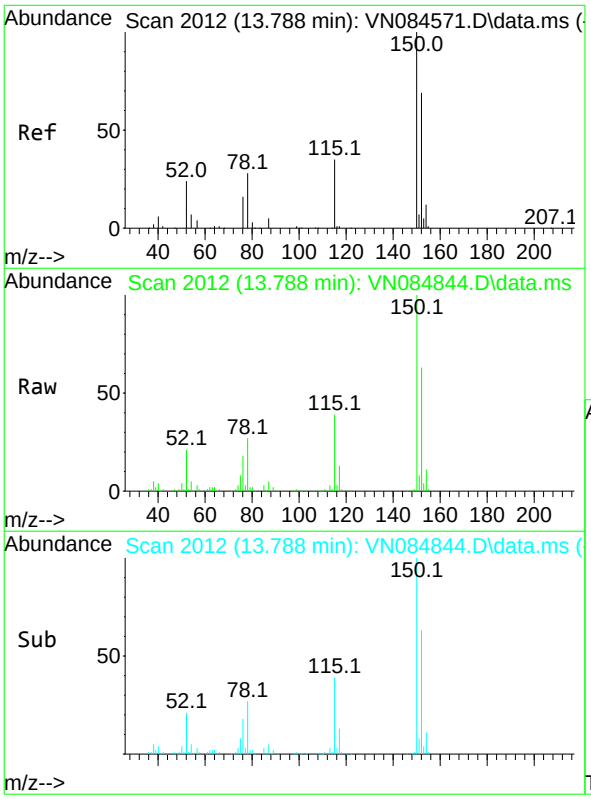
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 16
Delta R.T. -0.006 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBL01

Tgt Ion:117 Resp: 293869

Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.2	70.8
119	33.1	25.4	38.0

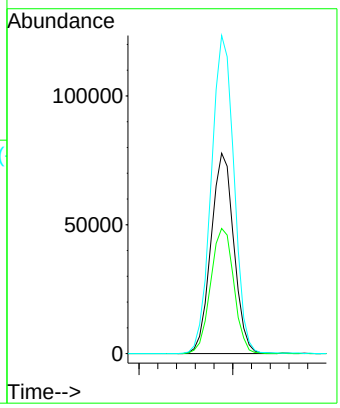




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084844.D
Acq: 14 Nov 2024 10:52

Tgt Ion:152 Resp: 131669

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.3	93.9
150	158.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084937.D
Acq On : 19 Nov 2024 11:07
Operator : JC\MD
Sample : VN1119WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Quant Time: Nov 20 00:22:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

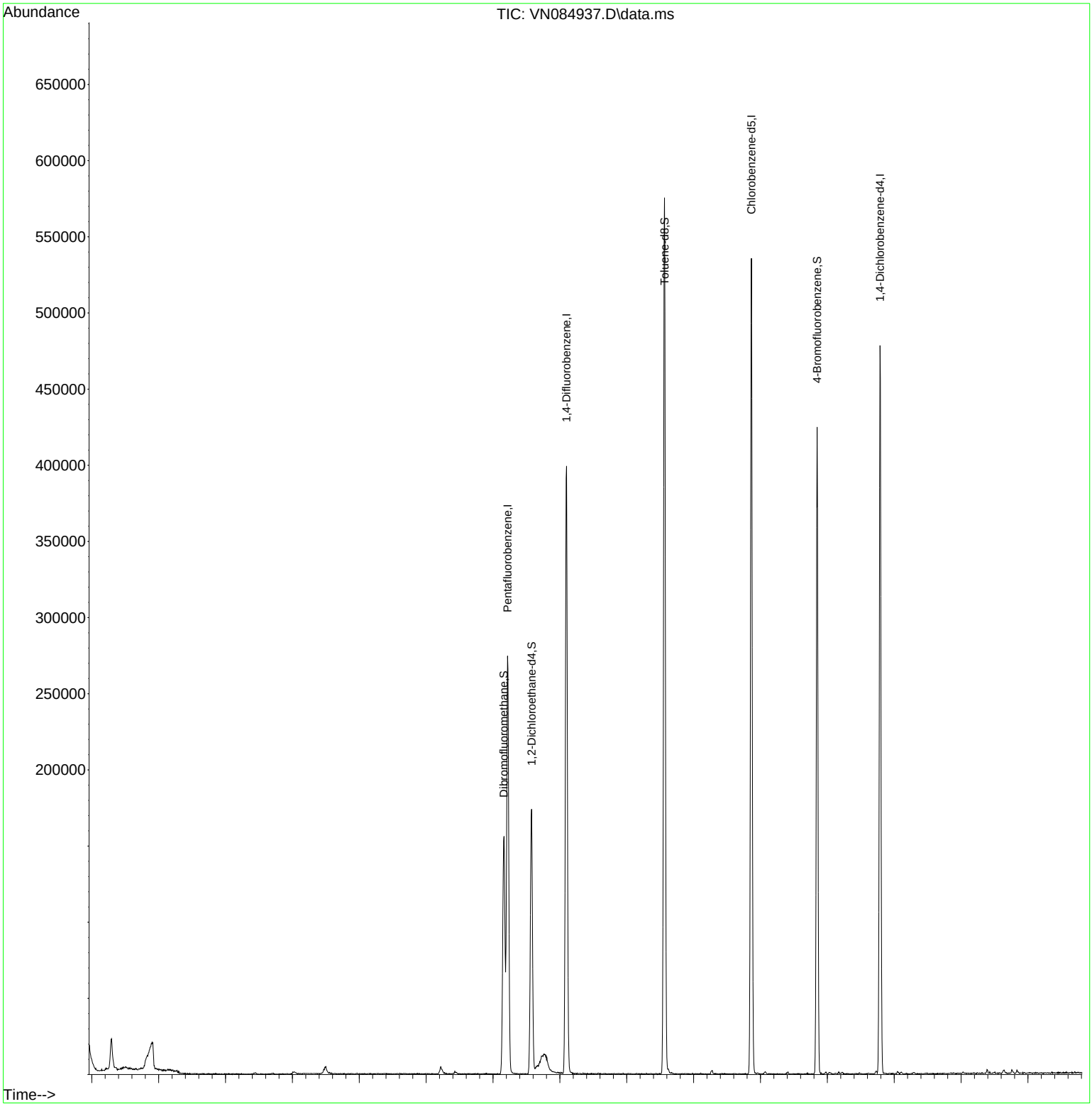
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	193589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	346862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	143523	51.330	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.660%			
35) Dibromofluoromethane	8.159	113	113721	48.436	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.880%			
50) Toluene-d8	10.565	98	402345	46.521	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.040%			
62) 4-Bromofluorobenzene	12.847	95	148211	45.853	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.700%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084937.D
Acq On : 19 Nov 2024 11:07
Operator : JC\MD
Sample : VN1119WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

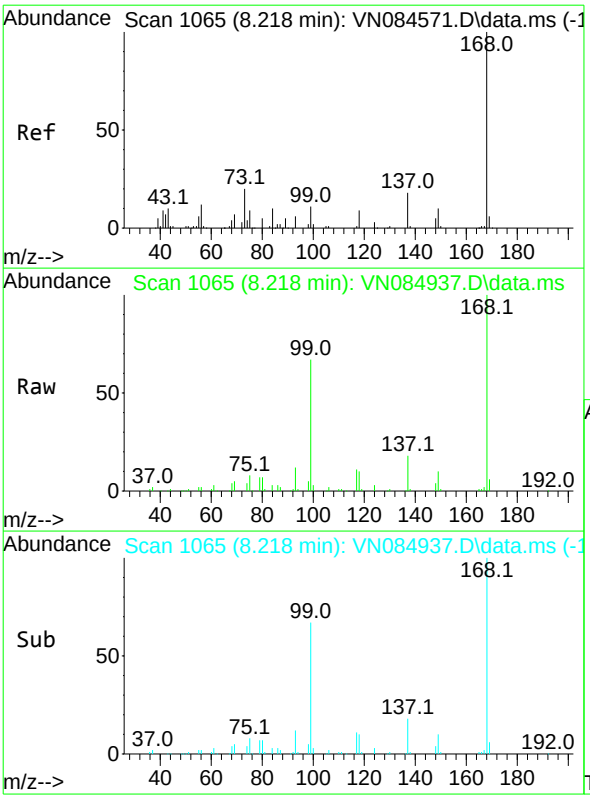
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Quant Time: Nov 20 00:22:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



5

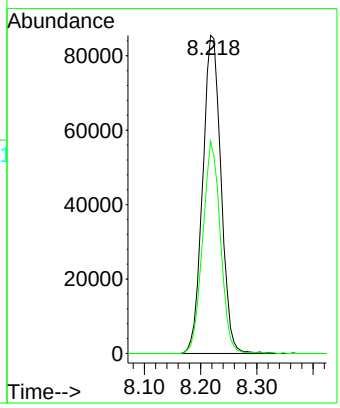
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

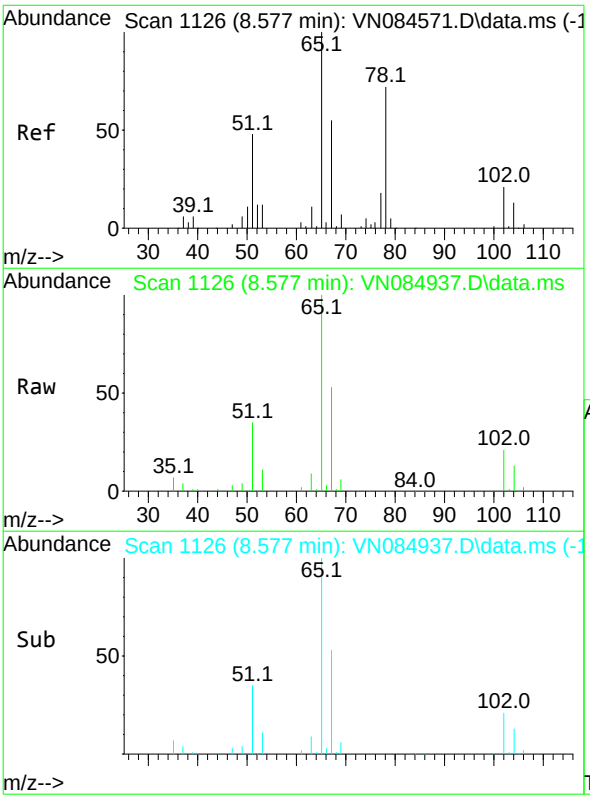


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion:168 Resp: 193589

Ion	Ratio	Lower	Upper
168	100		
99	66.7	54.2	81.2

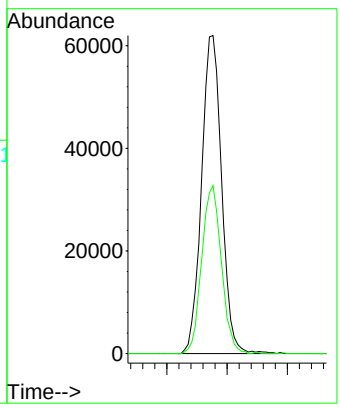




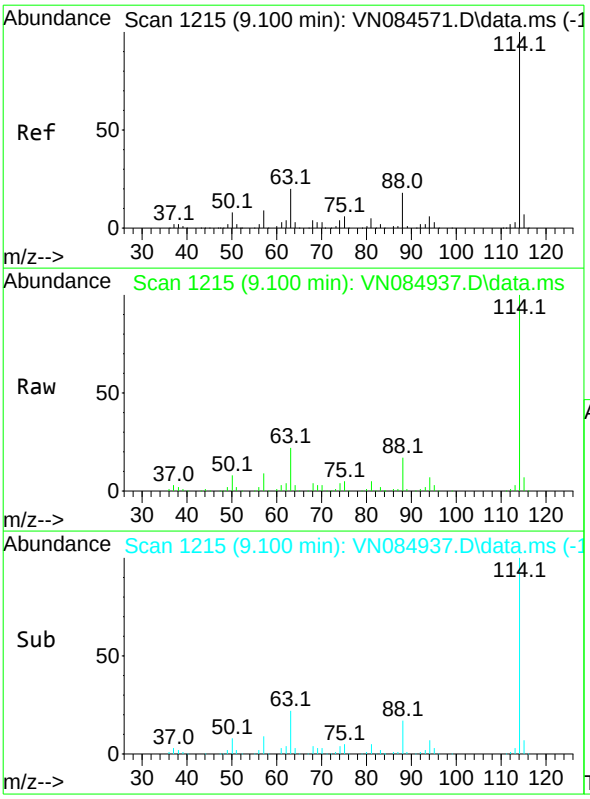
#33
1,2-Dichloroethane-d4
Concen: 51.330 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion: 65 Resp: 143523

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.0



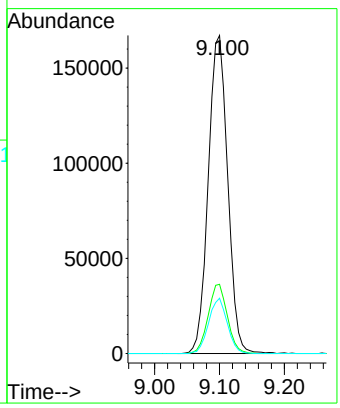
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

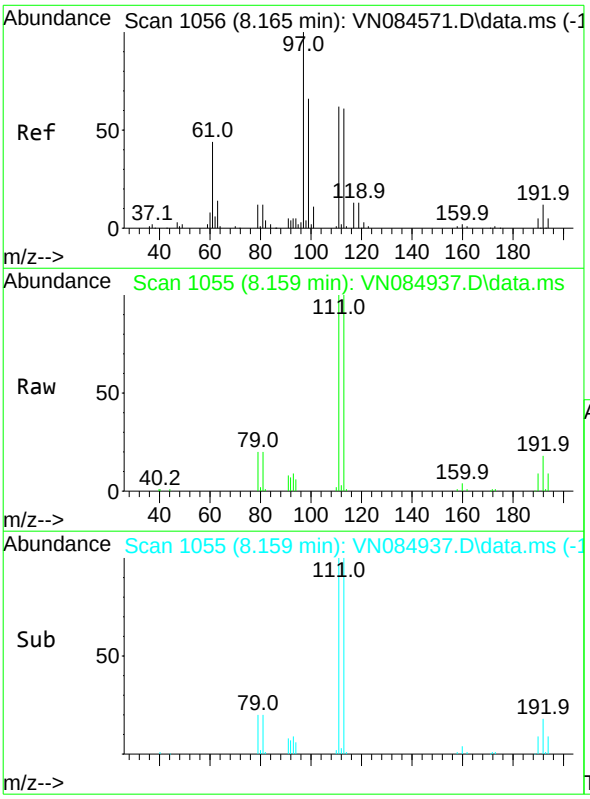


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion:114 Resp: 346862

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.8
88	17.4	0.0	31.6

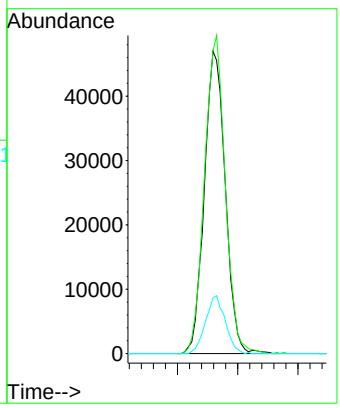




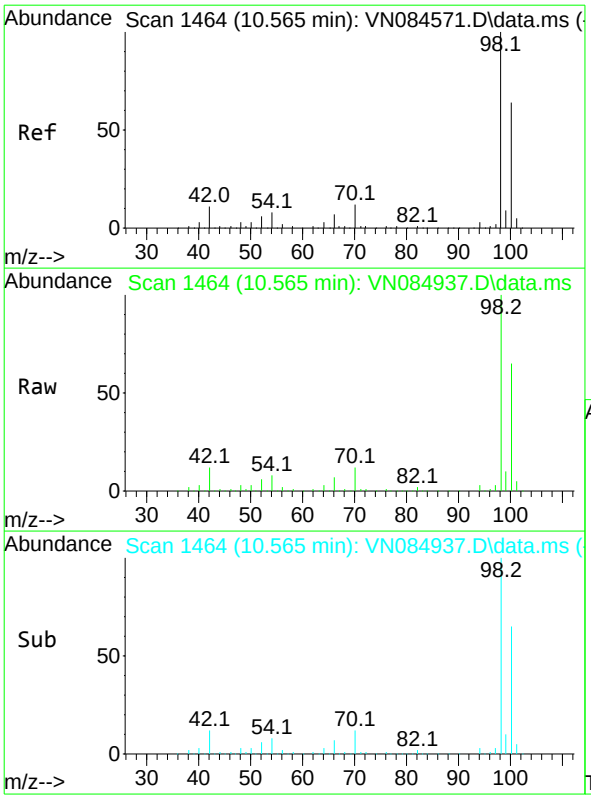
#35
Dibromofluoromethane
Concen: 48.436 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion:113 Resp: 113721

Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.3	124.9
192	18.0	13.5	20.3



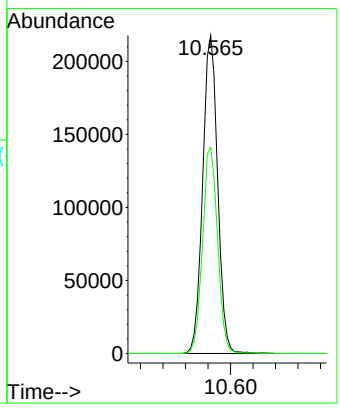
Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

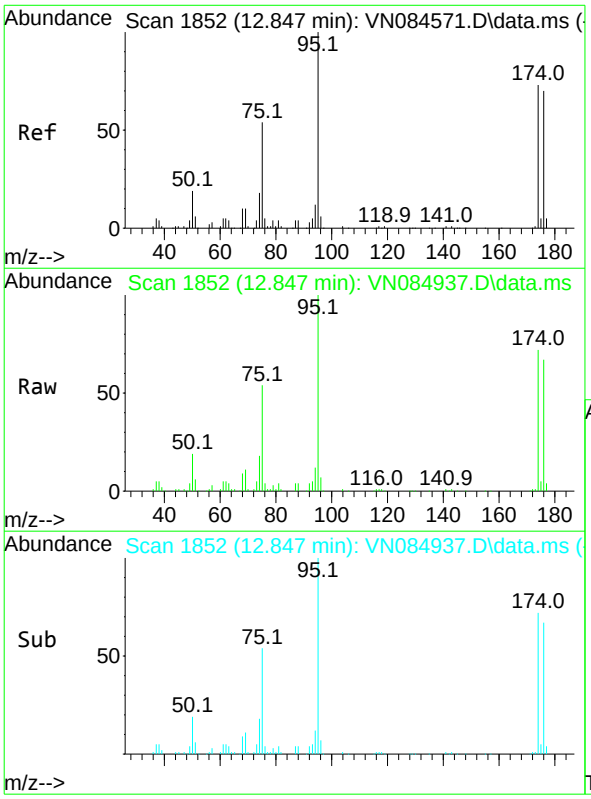


#50
Toluene-d8
Concen: 46.521 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion: 98 Resp: 402345

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.7	79.1

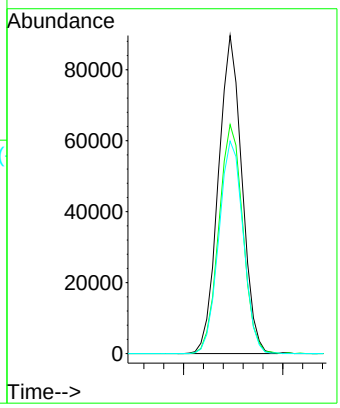


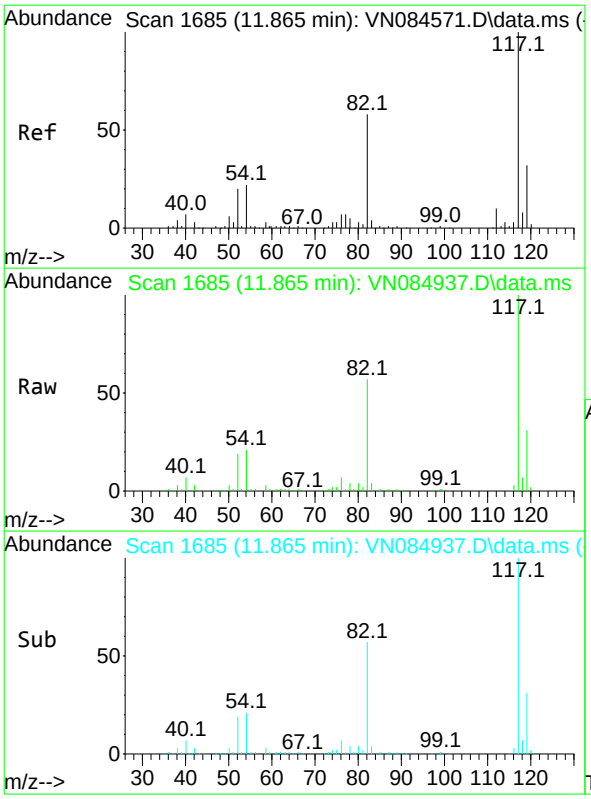


#62
4-Bromofluorobenzene
Concen: 45.853 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion: 95 Resp: 148211

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	145.2
176	68.9	0.0	140.0



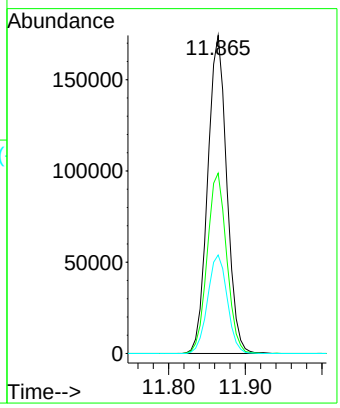


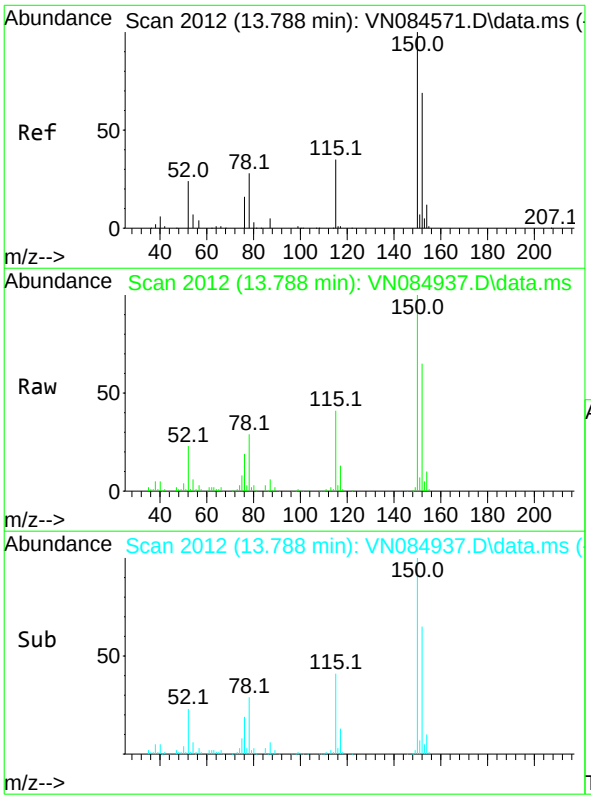
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBL01

Tgt Ion:117 Resp: 301411

Ion	Ratio	Lower	Upper
117	100		
82	56.7	47.2	70.8
119	31.0	25.4	38.0

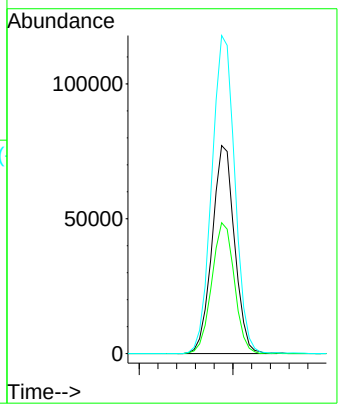




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084937.D
Acq: 19 Nov 2024 11:07

Tgt Ion:152 Resp: 128229

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.3	93.9
150	157.2	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

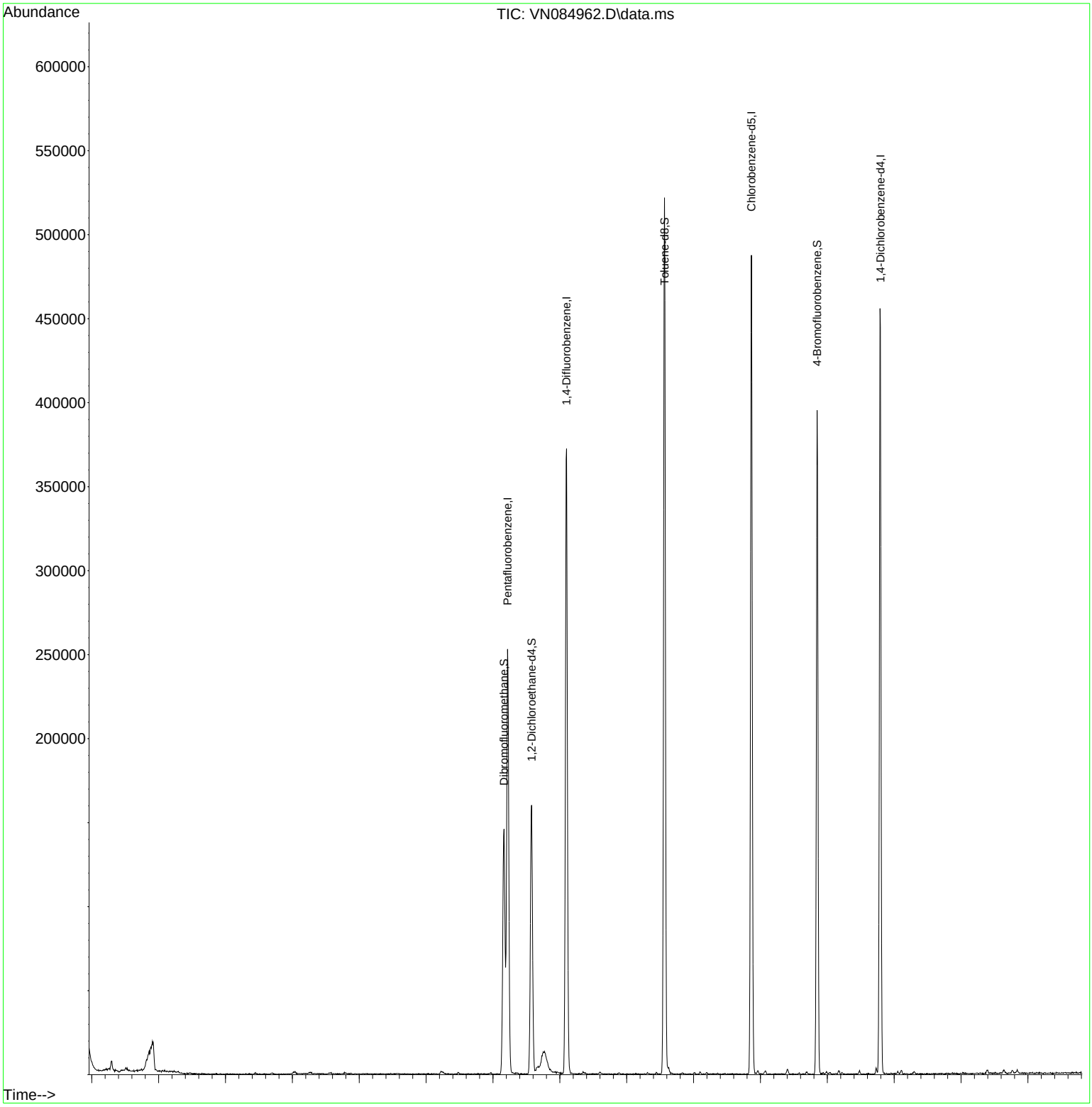
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	178908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131967	51.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.140%			
35) Dibromofluoromethane	8.165	113	107113	49.531	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	10.565	98	366987	46.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.140%			
62) 4-Bromofluorobenzene	12.847	95	138133	46.397	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.800%			
Target Compounds						Qvalue

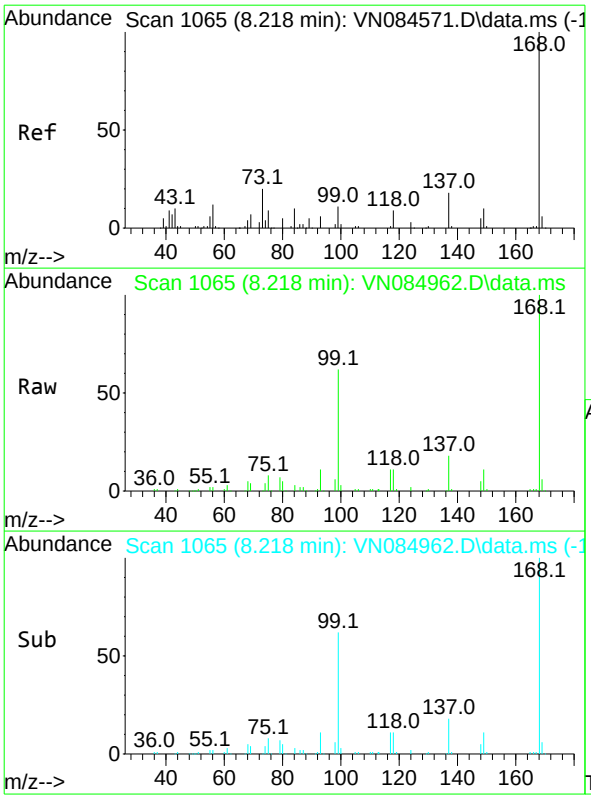
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



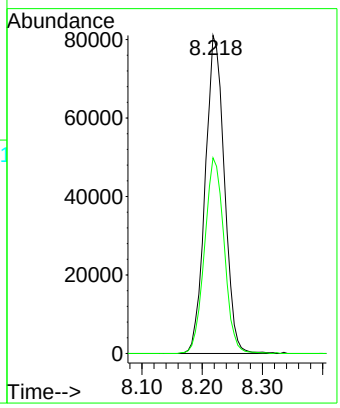


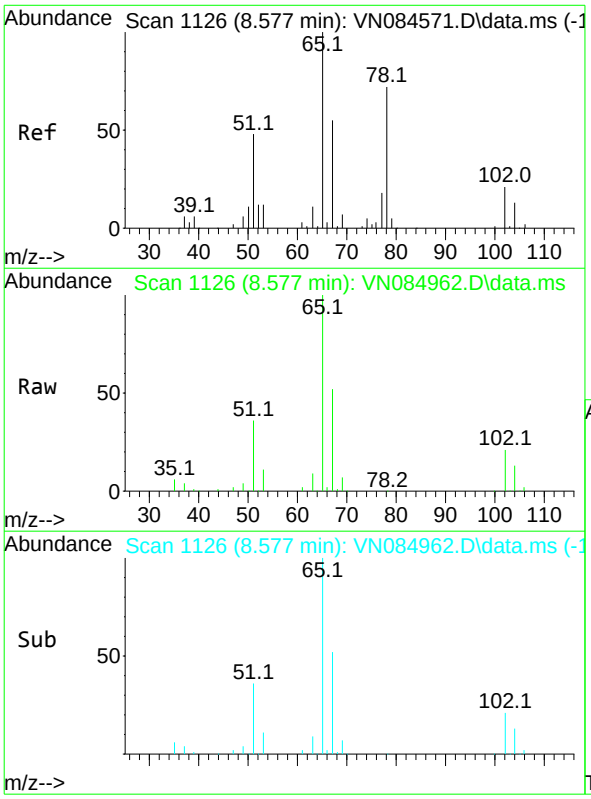
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:168 Resp: 178908

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2

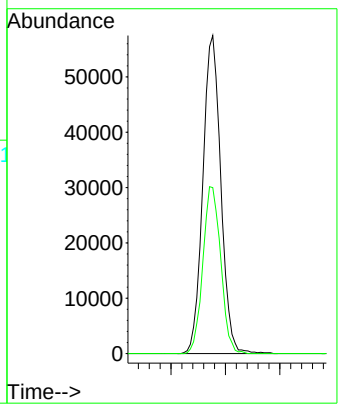


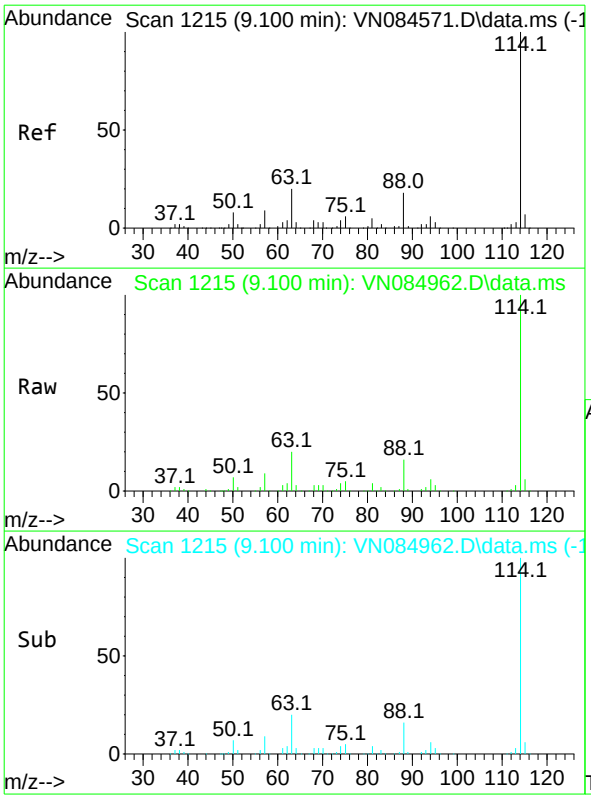


#33
1,2-Dichloroethane-d4
Concen: 51.070 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 65 Resp: 131967

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



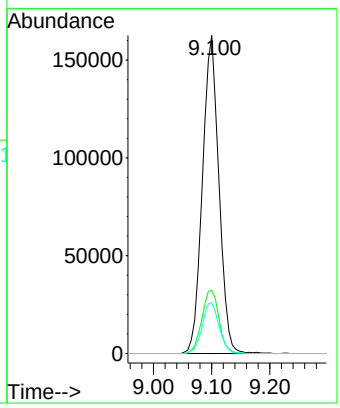


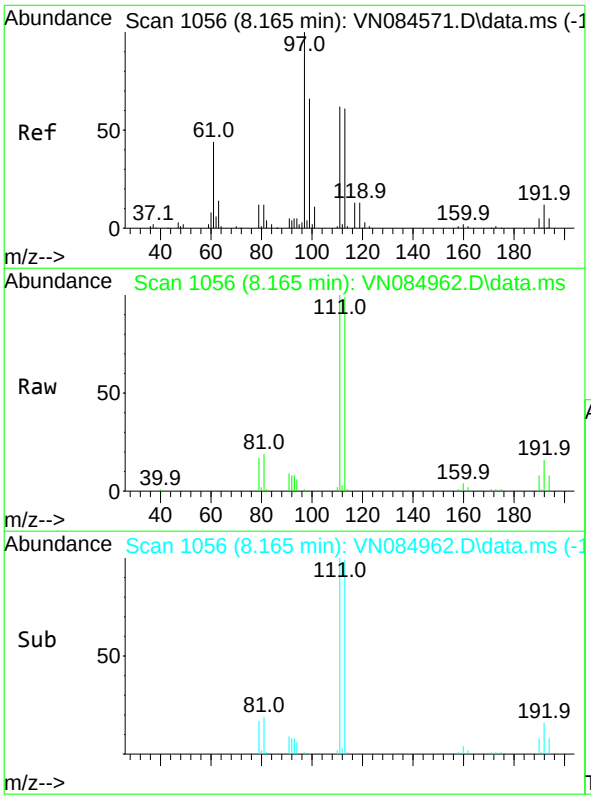
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:114 Resp: 319489

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.8
88	16.0	0.0	31.6

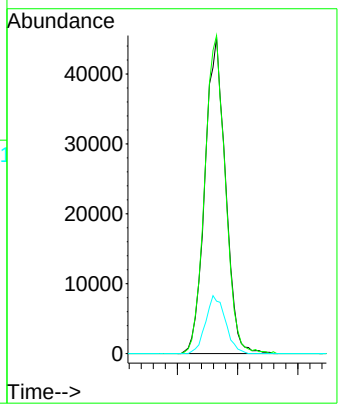


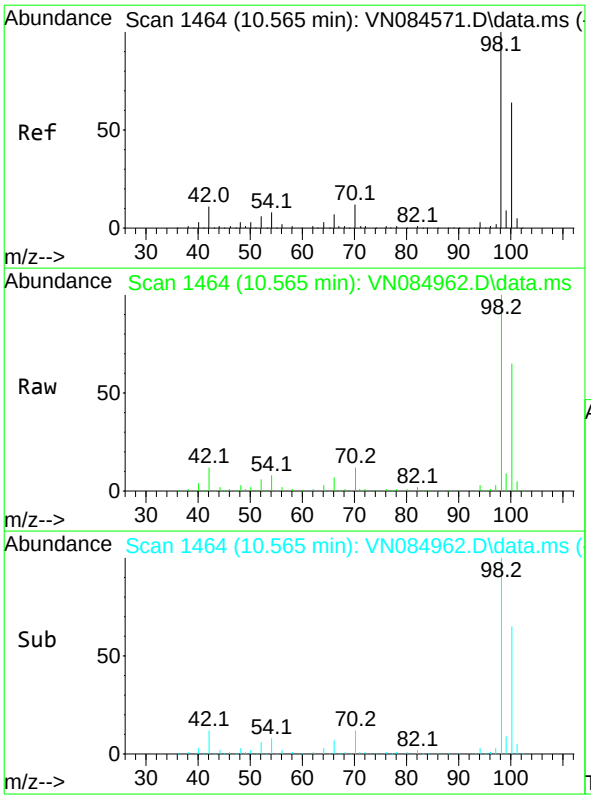


#35
Dibromofluoromethane
Concen: 49.531 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:113 Resp: 107113

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.3	124.9
192	17.7	13.5	20.3



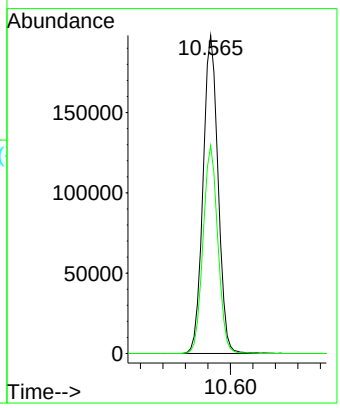


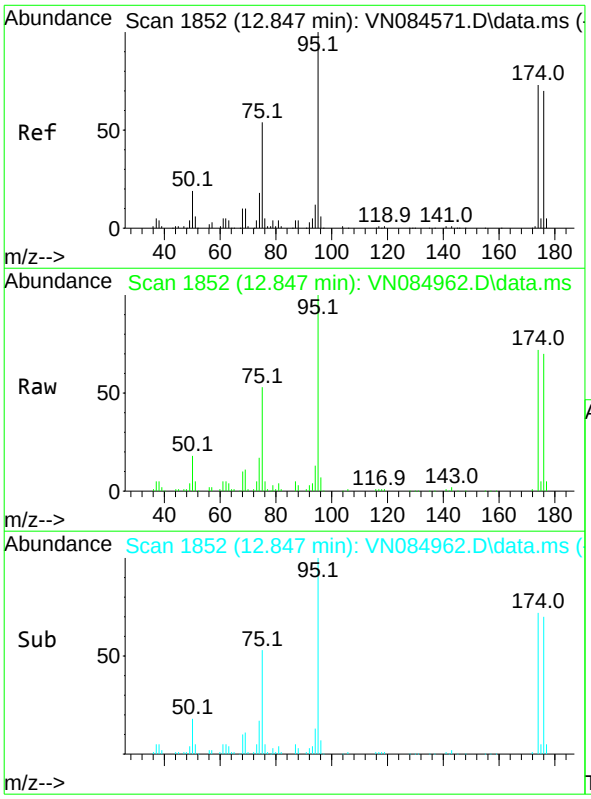
#50
Toluene-d8
Concen: 46.068 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion: 98 Resp: 366987

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.7	79.1

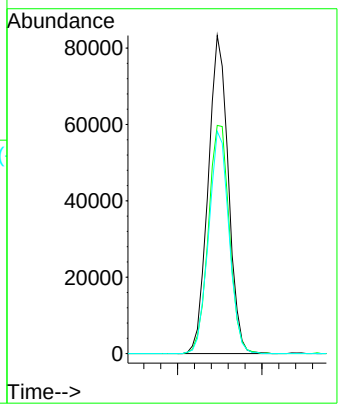


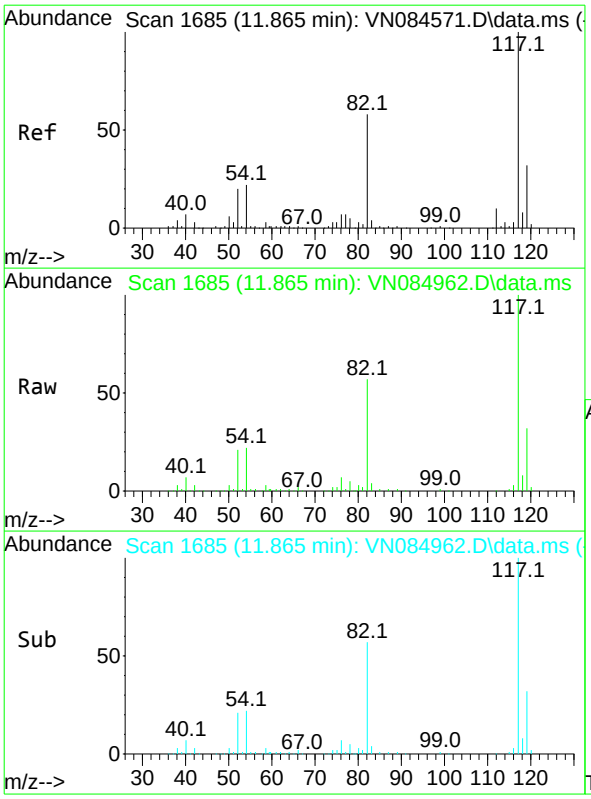


#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 95 Resp: 138133

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.2
176	70.5	0.0	140.0



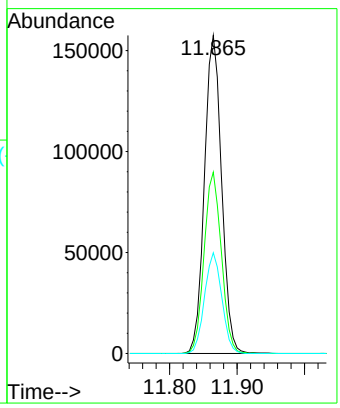


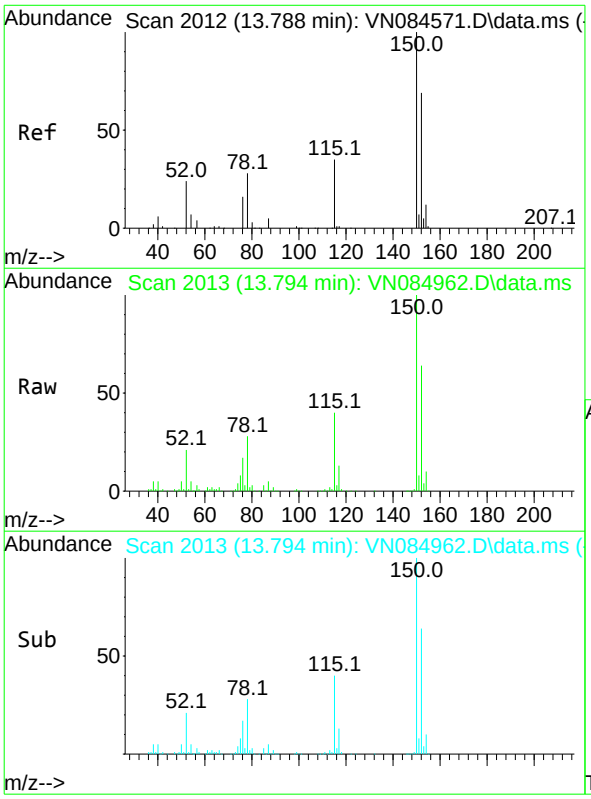
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:117 Resp: 277659

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.2	70.8
119	31.7	25.4	38.0

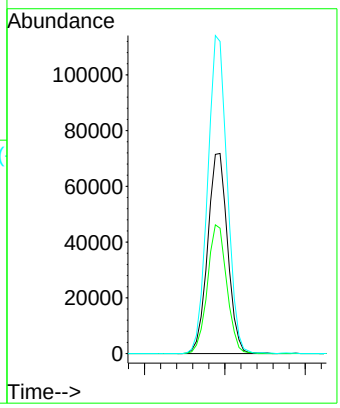




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:152 Resp: 123641

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	155.7	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	193540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141208	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129753	46.417	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.840%			
35) Dibromofluoromethane	8.159	113	105080	49.889	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.780%			
50) Toluene-d8	10.565	98	381724	49.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.847	95	148571	51.237	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	39364	17.693	ug/l	95
3) Chloromethane	2.359	50	43828	15.025	ug/l	91
4) Vinyl Chloride	2.512	62	48169	20.129	ug/l	98
5) Bromomethane	2.900	94	24860	19.607	ug/l	93
6) Chloroethane	3.077	64	32217	20.939	ug/l	98
7) Trichlorofluoromethane	3.471	101	72161	18.306	ug/l	95
8) Diethyl Ether	3.959	74	24999	17.978	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	40961	18.389	ug/l	97
10) Methyl Iodide	4.577	142	57021	19.154	ug/l	96
11) Tert butyl alcohol	5.536	59	32498	88.075	ug/l	98
12) 1,1-Dichloroethene	4.324	96	38523	17.479	ug/l	95
13) Acrolein	4.177	56	24726	67.202	ug/l	97
14) Allyl chloride	5.006	41	60587	16.950	ug/l	95
15) Acrylonitrile	5.712	53	93960	87.962	ug/l	99
16) Acetone	4.424	43	73980	89.791	ug/l	97
17) Carbon Disulfide	4.700	76	105663	15.568	ug/l	99
18) Methyl Acetate	5.018	43	47918	13.317	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	126925	18.789	ug/l	98
20) Methylene Chloride	5.265	84	43005	17.492	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	39652	17.521	ug/l	93
22) Diisopropyl ether	6.665	45	128933	18.154	ug/l	97
23) Vinyl Acetate	6.594	43	446876	91.240	ug/l	97
24) 1,1-Dichloroethane	6.559	63	76582	17.960	ug/l	98
25) 2-Butanone	7.482	43	119443	91.588	ug/l	98
26) 2,2-Dichloropropane	7.482	77	70733	19.059	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	48386	18.310	ug/l	95
28) Bromochloromethane	7.806	49	35458	20.872	ug/l	91
29) Tetrahydrofuran	7.835	42	75701	87.497	ug/l	93
30) Chloroform	7.959	83	82200	18.940	ug/l	97
31) Cyclohexane	8.253	56	69909	18.114	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	74581	18.880	ug/l	93
36) 1,1-Dichloropropene	8.365	75	54366	18.611	ug/l	99
37) Ethyl Acetate	7.553	43	48588	18.333	ug/l	96
38) Carbon Tetrachloride	8.359	117	65648	20.106	ug/l	98
39) Methylcyclohexane	9.594	83	58774	19.778	ug/l	96
40) Benzene	8.600	78	173125	18.455	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	27711	19.443 ug/l	95
42) 1,2-Dichloroethane	8.665	62	57874	19.049 ug/l	97
43) Isopropyl Acetate	8.688	43	89635	17.683 ug/l	98
44) Trichloroethene	9.347	130	41511	19.187 ug/l	100
45) 1,2-Dichloropropane	9.618	63	42580	19.349 ug/l	98
46) Dibromomethane	9.706	93	30054	19.354 ug/l	97
47) Bromodichloromethane	9.888	83	63262	19.327 ug/l	98
48) Methyl methacrylate	9.676	41	39540	19.169 ug/l	96
49) 1,4-Dioxane	9.694	88	14415	394.372 ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	247640	98.015 ug/l	98
52) Toluene	10.623	92	109501	19.958 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	61529	18.160 ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	68866	19.204 ug/l	93
55) 1,1,2-Trichloroethane	11.012	97	40197	19.450 ug/l	96
56) Ethyl methacrylate	10.870	69	61538	20.585 ug/l	95
57) 1,3-Dichloropropane	11.159	76	67289	18.971 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	134289	96.000 ug/l	96
59) 2-Hexanone	11.194	43	182633	99.309 ug/l	96
60) Dibromochloromethane	11.359	129	46127	19.583 ug/l	96
61) 1,2-Dibromoethane	11.465	107	40349	19.065 ug/l	100
64) Tetrachloroethene	11.100	164	37374	20.563 ug/l	94
65) Chlorobenzene	11.888	112	115499	18.894 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	41953	19.730 ug/l	98
67) Ethyl Benzene	11.959	91	201230	19.721 ug/l	98
68) m/p-Xylenes	12.070	106	154238	39.926 ug/l	99
69) o-Xylene	12.394	106	75575	20.913 ug/l	97
70) Styrene	12.412	104	125083	19.841 ug/l	99
71) Bromoform	12.576	173	31240	19.525 ug/l #	98
73) Isopropylbenzene	12.694	105	189264	19.126 ug/l	100
74) N-amyl acetate	12.494	43	75052	17.820 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	57951	17.545 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	52213m	18.498 ug/l	
77) Bromobenzene	12.976	156	47085	17.700 ug/l	94
78) n-propylbenzene	13.035	91	218271	18.823 ug/l	98
79) 2-Chlorotoluene	13.123	91	142466	18.803 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	165135	20.135 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.729	75	19701	16.558 ug/l	88
82) 4-Chlorotoluene	13.217	91	139683	17.518 ug/l	99
83) tert-Butylbenzene	13.435	119	137464	20.252 ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	168056	19.853 ug/l	99
85) sec-Butylbenzene	13.611	105	186571	19.458 ug/l	99
86) p-Isopropyltoluene	13.729	119	159085	20.231 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	87544	16.863 ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	91273	18.459 ug/l	95
89) n-Butylbenzene	14.053	91	133782	18.188 ug/l	99
90) Hexachloroethane	14.329	117	30179	17.209 ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	88621	17.764 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.711	75	10832	16.188 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	43935	16.090 ug/l	99
94) Hexachlorobutadiene	15.500	225	20801	17.347 ug/l	98
95) Naphthalene	15.635	128	134429	16.447 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	41536	15.670 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

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

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

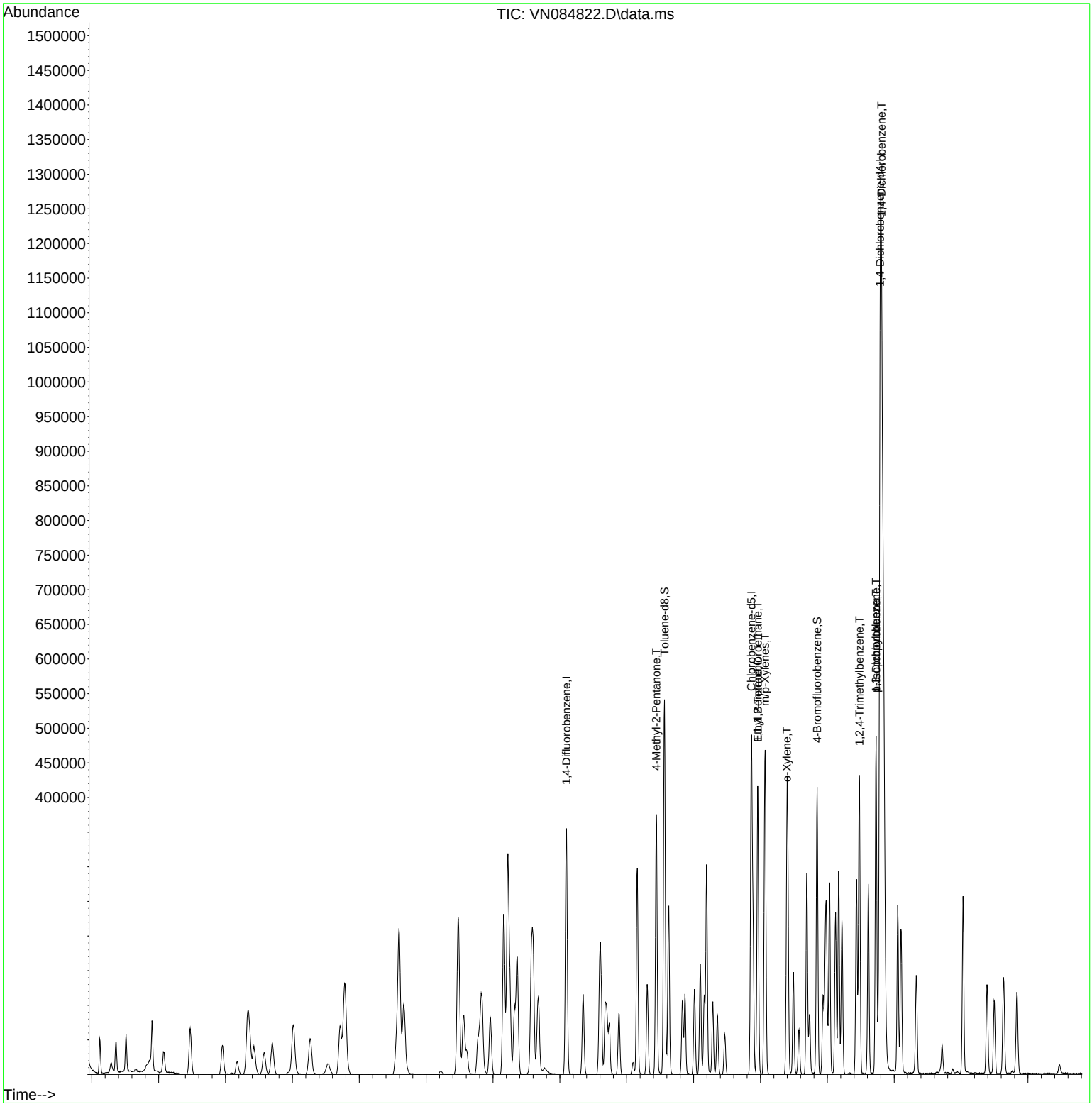
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084846.D
Acq On : 14 Nov 2024 12:50
Operator : JC\MD
Sample : VN1114WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 00:44:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS02

Manual Integrations APPROVED
Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	169550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	270058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	234639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114124	46.603	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.200%			
35) Dibromofluoromethane	8.159	113	92823	50.779	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.560%			
50) Toluene-d8	10.565	98	330275	49.049	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.100%			
62) 4-Bromofluorobenzene	12.847	95	124800	49.591	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	37847	19.418	ug/l	88
3) Chloromethane	2.359	50	41236	16.333	ug/l	99
4) Vinyl Chloride	2.512	62	45362	21.638	ug/l	99
5) Bromomethane	2.901	94	22816	20.541	ug/l	93
6) Chloroethane	3.083	64	28977	21.536	ug/l #	88
7) Trichlorofluoromethane	3.477	101	68652	19.880	ug/l	98
8) Diethyl Ether	3.959	74	24825	20.379	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	40451	20.730	ug/l	98
10) Methyl Iodide	4.577	142	54005	20.708	ug/l	90
11) Tert butyl alcohol	5.542	59	31647	97.904	ug/l	95
12) 1,1-Dichloroethene	4.330	96	36223	18.760	ug/l	99
13) Acrolein	4.171	56	31282	97.050	ug/l	97
14) Allyl chloride	5.012	41	55310	17.664	ug/l	97
15) Acrylonitrile	5.718	53	88439	94.508	ug/l	100
16) Acetone	4.424	43	73518	102.243	ug/l	98
17) Carbon Disulfide	4.700	76	102779	17.285	ug/l	97
18) Methyl Acetate	5.012	43	46160	15.075	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	120830	20.417	ug/l	99
20) Methylene Chloride	5.271	84	41116	19.090	ug/l	85
21) trans-1,2-Dichloroethene	5.783	96	37615	18.972	ug/l	95
22) Diisopropyl ether	6.665	45	126019	20.254	ug/l	98
23) Vinyl Acetate	6.594	43	429740	100.156	ug/l	96
24) 1,1-Dichloroethane	6.559	63	75613	20.242	ug/l	97
25) 2-Butanone	7.477	43	112446	98.423	ug/l	99
26) 2,2-Dichloropropane	7.477	77	68163	20.965	ug/l	96
27) cis-1,2-Dichloroethene	7.477	96	46070	19.901	ug/l	97
28) Bromochloromethane	7.806	49	30543	20.523	ug/l	90
29) Tetrahydrofuran	7.836	42	71469	94.294	ug/l	93
30) Chloroform	7.959	83	76934	20.235	ug/l	98
31) Cyclohexane	8.253	56	64564	19.097	ug/l	91
32) 1,1,1-Trichloroethane	8.159	97	71181	20.569	ug/l	97
36) 1,1-Dichloropropene	8.365	75	52698	20.787	ug/l	99
37) Ethyl Acetate	7.559	43	47211	20.525	ug/l	100
38) Carbon Tetrachloride	8.359	117	62964	22.220	ug/l	93
39) Methylcyclohexane	9.600	83	58004	22.490	ug/l	98
40) Benzene	8.600	78	167429	20.565	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084846.D
Acq On : 14 Nov 2024 12:50
Operator : JC\MD
Sample : VN1114WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 00:44:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	28000	22.637 ug/l		96
42) 1,2-Dichloroethane	8.665	62	54596	20.706 ug/l		97
43) Isopropyl Acetate	8.683	43	84927	19.395 ug/l		98
44) Trichloroethene	9.347	130	39866	21.232 ug/l		98
45) 1,2-Dichloropropane	9.612	63	40081	20.986 ug/l		98
46) Dibromomethane	9.706	93	27289	20.249 ug/l		93
47) Bromodichloromethane	9.882	83	58232	20.499 ug/l	#	93
48) Methyl methacrylate	9.682	41	36343	20.302 ug/l		95
49) 1,4-Dioxane	9.694	88	13692	431.621 ug/l		95
51) 4-Methyl-2-Pentanone	10.441	43	229499	104.664 ug/l		96
52) Toluene	10.629	92	102629	21.553 ug/l		99
53) t-1,3-Dichloropropene	10.829	75	60180	20.466 ug/l		98
54) cis-1,3-Dichloropropene	10.306	75	65098	20.917 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	38706	21.580 ug/l		97
56) Ethyl methacrylate	10.871	69	57910	22.321 ug/l		93
57) 1,3-Dichloropropane	11.159	76	66297	21.537 ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	128541	105.881 ug/l		94
59) 2-Hexanone	11.194	43	172000	107.766 ug/l		97
60) Dibromochloromethane	11.353	129	44196	21.620 ug/l		98
61) 1,2-Dibromoethane	11.465	107	38793	21.120 ug/l		97
64) Tetrachloroethene	11.100	164	34670	22.214 ug/l		97
65) Chlorobenzene	11.888	112	110830	21.113 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	39460	21.612 ug/l		99
67) Ethyl Benzene	11.959	91	187829	21.436 ug/l		96
68) m/p-Xylenes	12.071	106	143326	43.206 ug/l		97
69) o-Xylene	12.394	106	69983	22.552 ug/l		99
70) Styrene	12.406	104	118961	21.975 ug/l		100
71) Bromoform	12.576	173	28661	20.861 ug/l	#	96
73) Isopropylbenzene	12.694	105	177802	21.337 ug/l		100
74) N-amyl acetate	12.494	43	68496	19.313 ug/l		95
75) 1,1,2,2-Tetrachloroethane	12.935	83	53689	19.302 ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	50712m	21.335 ug/l		
77) Bromobenzene	12.976	156	45069	20.118 ug/l		93
78) n-propylbenzene	13.029	91	207174	21.216 ug/l		99
79) 2-Chlorotoluene	13.123	91	132760	20.807 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	155554	22.523 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18639	18.603 ug/l		98
82) 4-Chlorotoluene	13.218	91	136736	20.363 ug/l		99
83) tert-Butylbenzene	13.435	119	128384	22.460 ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	157459	22.089 ug/l		98
85) sec-Butylbenzene	13.612	105	176072	21.807 ug/l		100
86) p-Isopropyltoluene	13.723	119	150327	22.702 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	83871	19.184 ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	84098	20.288 ug/l		100
89) n-Butylbenzene	14.053	91	126655	20.447 ug/l		98
90) Hexachloroethane	14.329	117	27627	18.708 ug/l		94
91) 1,2-Dichlorobenzene	14.106	146	81067	19.297 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.712	75	10170	18.048 ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	42976	18.690 ug/l		99
94) Hexachlorobutadiene	15.500	225	20149	19.954 ug/l		99
95) Naphthalene	15.635	128	124633	18.108 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	41610	18.641 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084846.D
Acq On : 14 Nov 2024 12:50
Operator : JC\MD
Sample : VN1114WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 00:44:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024

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

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

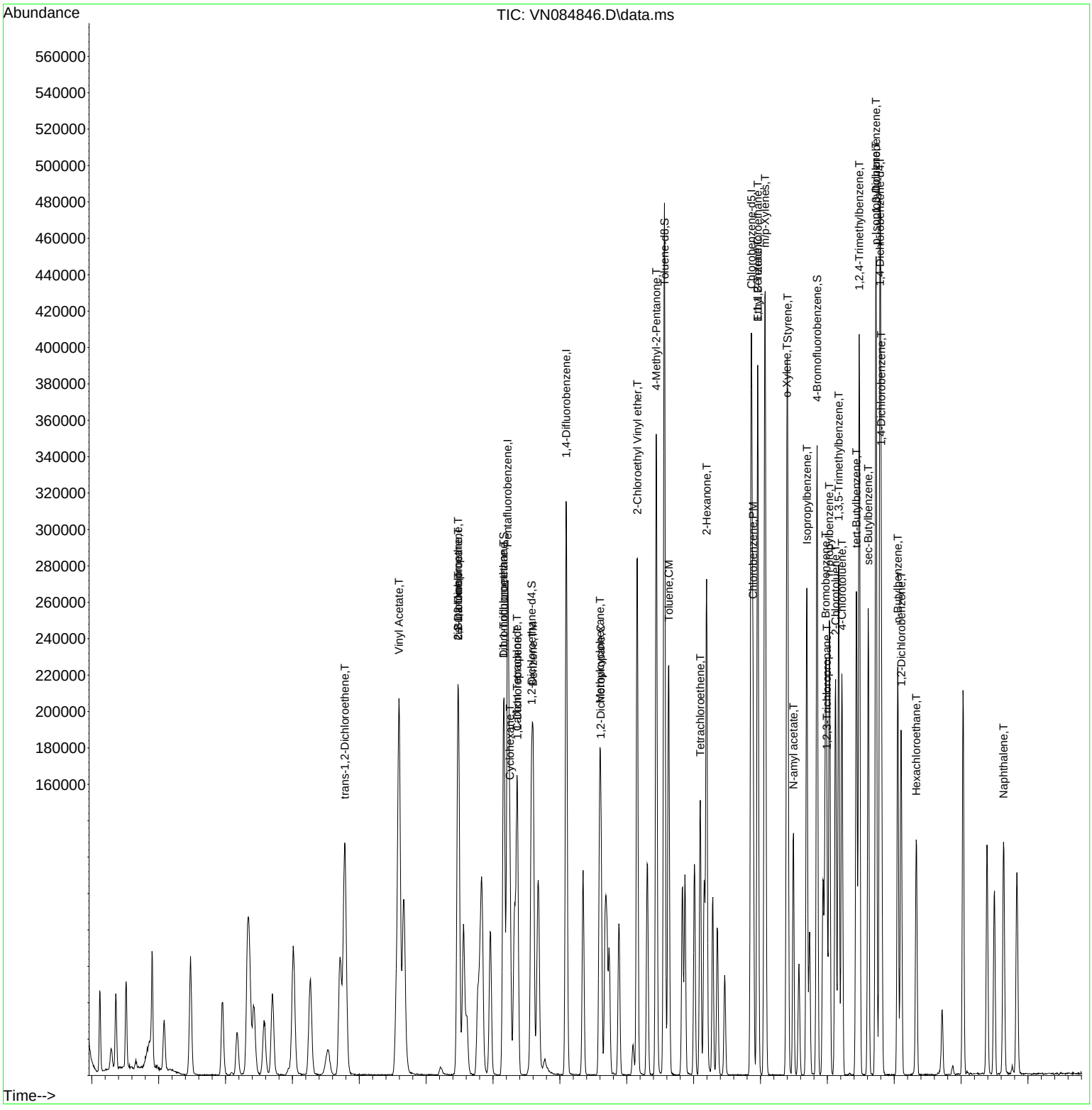
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
Data File : VN084846.D
Acq On : 14 Nov 2024 12:50
Operator : JC\MD
Sample : VN1114WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 15 00:44:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 11/15/2024
Supervised By :Mahesh Dadoda 11/15/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	167364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115474	47.770	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.540%		
35) Dibromofluoromethane	8.165	113	90242	46.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.960%		
50) Toluene-d8	10.565	98	325946	45.579	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.160%		
62) 4-Bromofluorobenzene	12.847	95	128829	48.202	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.400%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	36130	18.779	ug/l	98
3) Chloromethane	2.360	50	41727	16.810	ug/l	97
4) Vinyl Chloride	2.512	62	40114	19.385	ug/l	99
5) Bromomethane	2.901	94	20586	18.776	ug/l	98
6) Chloroethane	3.065	64	26614	19.938	ug/l	96
7) Trichlorofluoromethane	3.465	101	67356	19.759	ug/l	98
8) Diethyl Ether	3.954	74	25064	20.843	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.348	101	39960	20.746	ug/l	96
10) Methyl Iodide	4.571	142	51608	20.047	ug/l	99
11) Tert butyl alcohol	5.536	59	37827	118.551	ug/l	96
12) 1,1-Dichloroethene	4.324	96	36073	18.927	ug/l	93
13) Acrolein	4.171	56	39136	123.002	ug/l	96
14) Allyl chloride	5.012	41	60147	19.459	ug/l	94
15) Acrylonitrile	5.712	53	100056	108.319	ug/l	99
16) Acetone	4.430	43	81687	115.450	ug/l	99
17) Carbon Disulfide	4.695	76	95480	16.267	ug/l	98
18) Methyl Acetate	5.018	43	53894	18.624	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	122075	20.897	ug/l	98
20) Methylene Chloride	5.265	84	40989	19.279	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	37116	18.965	ug/l	90
22) Diisopropyl ether	6.665	45	130755	21.290	ug/l	97
23) Vinyl Acetate	6.595	43	447227	105.593	ug/l	99
24) 1,1-Dichloroethane	6.565	63	74117	20.100	ug/l #	96
25) 2-Butanone	7.483	43	131314	116.439	ug/l	96
26) 2,2-Dichloropropane	7.483	77	68443	21.326	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	44729	19.574	ug/l	98
28) Bromochloromethane	7.812	49	34242	23.308	ug/l	99
29) Tetrahydrofuran	7.836	42	79498	106.257	ug/l	94
30) Chloroform	7.959	83	77863	20.747	ug/l	99
31) Cyclohexane	8.253	56	63583	19.052	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	70342	20.592	ug/l	98
36) 1,1-Dichloropropene	8.365	75	51548	19.146	ug/l	98
37) Ethyl Acetate	7.559	43	51933	21.260	ug/l #	94
38) Carbon Tetrachloride	8.359	117	58554	19.457	ug/l	93
39) Methylcyclohexane	9.600	83	53483	19.526	ug/l	97
40) Benzene	8.600	78	166743	19.284	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	28323	21.561	ug/l		93
42) 1,2-Dichloroethane	8.665	62	59066	21.093	ug/l		100
43) Isopropyl Acetate	8.688	43	100867	21.807	ug/l		98
44) Trichloroethene	9.347	130	37236	18.673	ug/l		95
45) 1,2-Dichloropropane	9.618	63	40398	19.917	ug/l		93
46) Dibromomethane	9.706	93	28390	19.836	ug/l		96
47) Bromodichloromethane	9.883	83	60687	20.115	ug/l		99
48) Methyl methacrylate	9.683	41	40746	21.432	ug/l		98
49) 1,4-Dioxane	9.694	88	15027	446.038	ug/l	#	80
51) 4-Methyl-2-Pentanone	10.441	43	266202	114.312	ug/l		100
52) Toluene	10.630	92	104204	20.606	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	58885	18.856	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	65422	19.793	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	39586	20.781	ug/l		96
56) Ethyl methacrylate	10.871	69	59364	21.545	ug/l		97
57) 1,3-Dichloropropane	11.159	76	67357	20.603	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	139905	108.511	ug/l		97
59) 2-Hexanone	11.194	43	199980	117.979	ug/l		100
60) Dibromochloromethane	11.359	129	43514	20.043	ug/l		95
61) 1,2-Dibromoethane	11.465	107	38886	19.935	ug/l		96
64) Tetrachloroethene	11.100	164	32191	19.153	ug/l		97
65) Chlorobenzene	11.888	112	107058	18.939	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	39898	20.291	ug/l		97
67) Ethyl Benzene	11.965	91	183422	19.439	ug/l		99
68) m/p-Xylenes	12.071	106	143310	40.117	ug/l		100
69) o-Xylene	12.400	106	68863	20.606	ug/l		99
70) Styrene	12.412	104	113129	19.406	ug/l		99
71) Bromoform	12.576	173	30101	20.345	ug/l	#	100
73) Isopropylbenzene	12.694	105	173994	18.929	ug/l		100
74) N-amyl acetate	12.494	43	74637	19.078	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	58779	19.158	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	49539m	18.894	ug/l		
77) Bromobenzene	12.976	156	43232	17.496	ug/l		97
78) n-propylbenzene	13.035	91	199093	18.484	ug/l		100
79) 2-Chlorotoluene	13.124	91	132044	18.762	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	148018	19.429	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	19909	18.014	ug/l		99
82) 4-Chlorotoluene	13.218	91	129851	17.532	ug/l		98
83) tert-Butylbenzene	13.435	119	120889	19.173	ug/l		95
84) 1,2,4-Trimethylbenzene	13.482	105	149905	19.065	ug/l		98
85) sec-Butylbenzene	13.612	105	169384	19.019	ug/l		99
86) p-Isopropyltoluene	13.729	119	140547	19.242	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	80412	16.675	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	80399	17.455	ug/l		99
89) n-Butylbenzene	14.053	91	115610	16.921	ug/l		99
90) Hexachloroethane	14.335	117	27883	17.118	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	78540	16.949	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11687	18.803	ug/l		93
93) 1,2,4-Trichlorobenzene	15.388	180	38073	15.011	ug/l		100
94) Hexachlorobutadiene	15.494	225	17984	16.146	ug/l		99
95) Naphthalene	15.641	128	117873	15.526	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	36396	14.782	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024

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

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

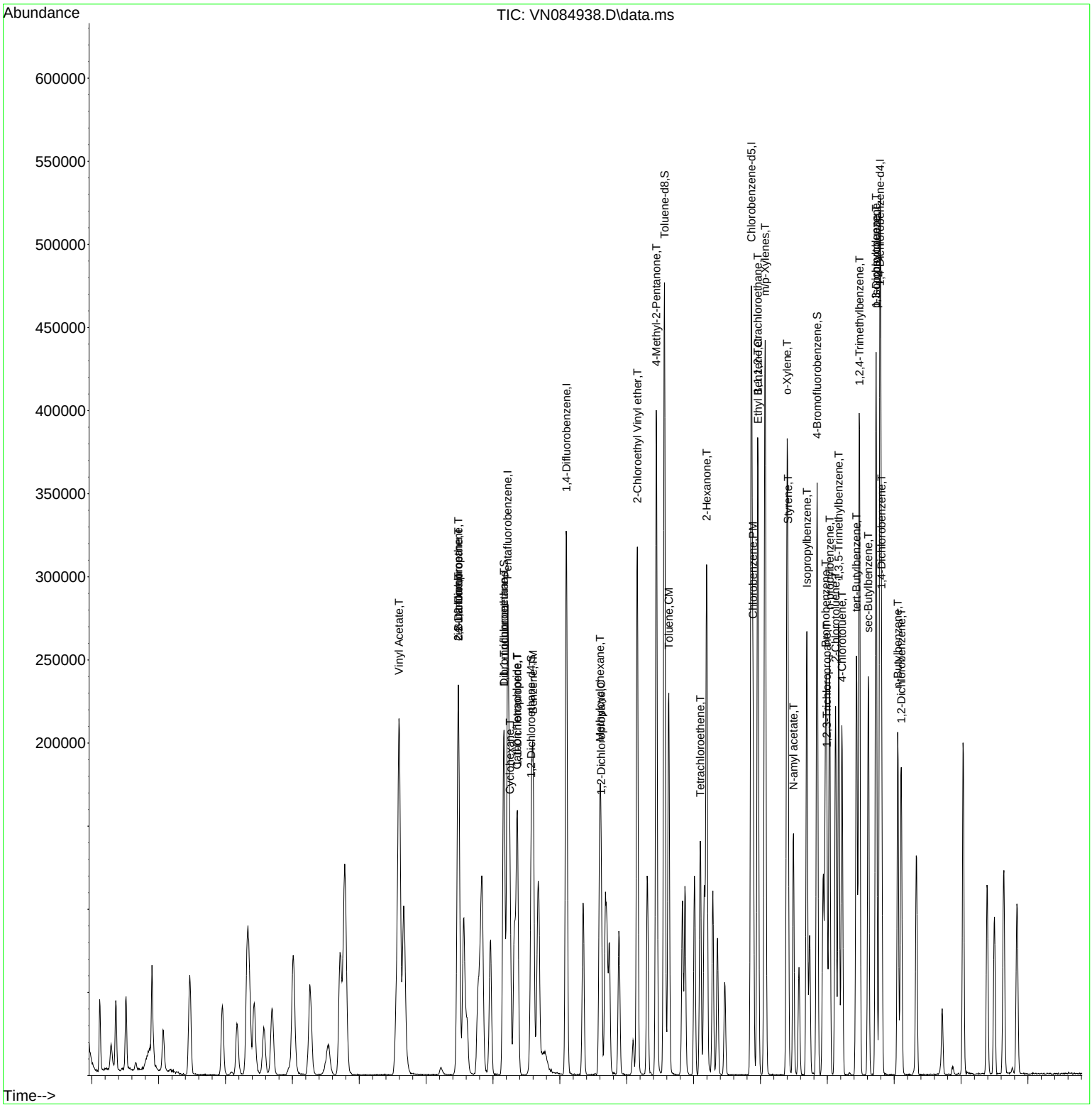
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
Data File : VN084938.D
Acq On : 19 Nov 2024 11:40
Operator : JC\MD
Sample : VN1119WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 20 00:22:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/20/2024
Supervised By :Mahesh Dadoda 11/20/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	102086	46.923	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.840%			
35) Dibromofluoromethane	8.165	113	82888	48.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.600%			
50) Toluene-d8	10.565	98	283802	44.890	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.780%			
62) 4-Bromofluorobenzene	12.847	95	113847	48.183	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	35618	20.569	ug/l	97
3) Chloromethane	2.359	50	39396	17.764	ug/l	96
4) Vinyl Chloride	2.506	62	35932	19.293	ug/l	94
5) Bromomethane	2.901	94	19858	20.124	ug/l	91
6) Chloroethane	3.071	64	23127	19.201	ug/l	98
7) Trichlorofluoromethane	3.465	101	60800	19.818	ug/l	99
8) Diethyl Ether	3.953	74	23262	21.494	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.353	101	34019	19.624	ug/l	98
10) Methyl Iodide	4.577	142	48587	20.971	ug/l	98
11) Tert butyl alcohol	5.542	59	33696	117.336	ug/l	98
12) 1,1-Dichloroethene	4.330	96	32651	19.034	ug/l	94
13) Acrolein	4.171	56	31534	110.120	ug/l	97
14) Allyl chloride	5.012	41	54299	19.519	ug/l	94
15) Acrylonitrile	5.712	53	96254	115.780	ug/l	98
16) Acetone	4.430	43	72399	113.647	ug/l	96
17) Carbon Disulfide	4.700	76	93961	17.787	ug/l	98
18) Methyl Acetate	5.024	43	50778	19.700	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	114824	21.839	ug/l	98
20) Methylene Chloride	5.265	84	38672	20.210	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	33847	19.216	ug/l	95
22) Diisopropyl ether	6.671	45	116859	21.141	ug/l	97
23) Vinyl Acetate	6.600	43	432838	113.548	ug/l	98
24) 1,1-Dichloroethane	6.559	63	65568	19.757	ug/l	97
25) 2-Butanone	7.483	43	124217	122.382	ug/l	97
26) 2,2-Dichloropropane	7.483	77	58388	20.214	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	41367	20.114	ug/l	97
28) Bromochloromethane	7.806	49	28846	21.817	ug/l	90
29) Tetrahydrofuran	7.841	42	81330	120.782	ug/l	96
30) Chloroform	7.965	83	69698	20.634	ug/l	93
31) Cyclohexane	8.247	56	56449	18.794	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61504	20.005	ug/l	97
36) 1,1-Dichloropropene	8.365	75	45714	19.205	ug/l	98
37) Ethyl Acetate	7.559	43	48545	22.479	ug/l	95
38) Carbon Tetrachloride	8.359	117	55251	20.767	ug/l	95
39) Methylcyclohexane	9.600	83	49871	20.595	ug/l	97
40) Benzene	8.600	78	151055	19.761	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	28047	24.151	ug/l		98
42) 1,2-Dichloroethane	8.665	62	52979	21.400	ug/l		99
43) Isopropyl Acetate	8.688	43	89614	21.919	ug/l		99
44) Trichloroethene	9.347	130	34468	19.552	ug/l		97
45) 1,2-Dichloropropane	9.618	63	37090	20.684	ug/l		98
46) Dibromomethane	9.706	93	26646	21.059	ug/l		96
47) Bromodichloromethane	9.888	83	53986	20.241	ug/l	#	99
48) Methyl methacrylate	9.682	41	39511	23.508	ug/l		98
49) 1,4-Dioxane	9.694	88	13647	458.199	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	257532	125.092	ug/l		99
52) Toluene	10.629	92	92522	20.695	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	53494	19.376	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	58965	20.179	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	36801	21.853	ug/l		95
56) Ethyl methacrylate	10.871	69	57695	23.685	ug/l		96
57) 1,3-Dichloropropane	11.159	76	61447	21.260	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	115920	101.699	ug/l		95
59) 2-Hexanone	11.194	43	190538	127.150	ug/l		99
60) Dibromochloromethane	11.359	129	41243	21.489	ug/l		99
61) 1,2-Dibromoethane	11.471	107	36672	21.265	ug/l		98
64) Tetrachloroethene	11.100	164	30097	19.699	ug/l		93
65) Chlorobenzene	11.888	112	99409	19.345	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	35112	19.644	ug/l		98
67) Ethyl Benzene	11.965	91	168037	19.590	ug/l		99
68) m/p-Xylenes	12.071	106	127695	39.323	ug/l		99
69) o-Xylene	12.400	106	62946	20.721	ug/l		99
70) Styrene	12.412	104	106834	20.160	ug/l		99
71) Bromoform	12.582	173	26831	19.950	ug/l	#	95
73) Isopropylbenzene	12.694	105	155280	19.290	ug/l		99
74) N-amyl acetate	12.494	43	72549	21.175	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	54852	20.414	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	46699m	20.337	ug/l		
77) Bromobenzene	12.976	156	40419	18.677	ug/l		96
78) n-propylbenzene	13.035	91	178621	18.935	ug/l		98
79) 2-Chlorotoluene	13.123	91	117308	19.032	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	132819	19.907	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18261m	18.867	ug/l		
82) 4-Chlorotoluene	13.218	91	119090	18.359	ug/l		98
83) tert-Butylbenzene	13.435	119	112021	20.287	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	138540	20.119	ug/l		98
85) sec-Butylbenzene	13.618	105	149002	19.103	ug/l		100
86) p-Isopropyltoluene	13.729	119	123982	19.382	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	73769	17.467	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	72532	18.009	ug/l		99
89) n-Butylbenzene	14.059	91	102739	17.170	ug/l		99
90) Hexachloroethane	14.335	117	25263	17.709	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	73040	17.997	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11216	20.605	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	35527	15.994	ug/l		98
94) Hexachlorobutadiene	15.500	225	16423	16.836	ug/l		96
95) Naphthalene	15.641	128	117662	17.697	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	35531	16.478	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

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

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

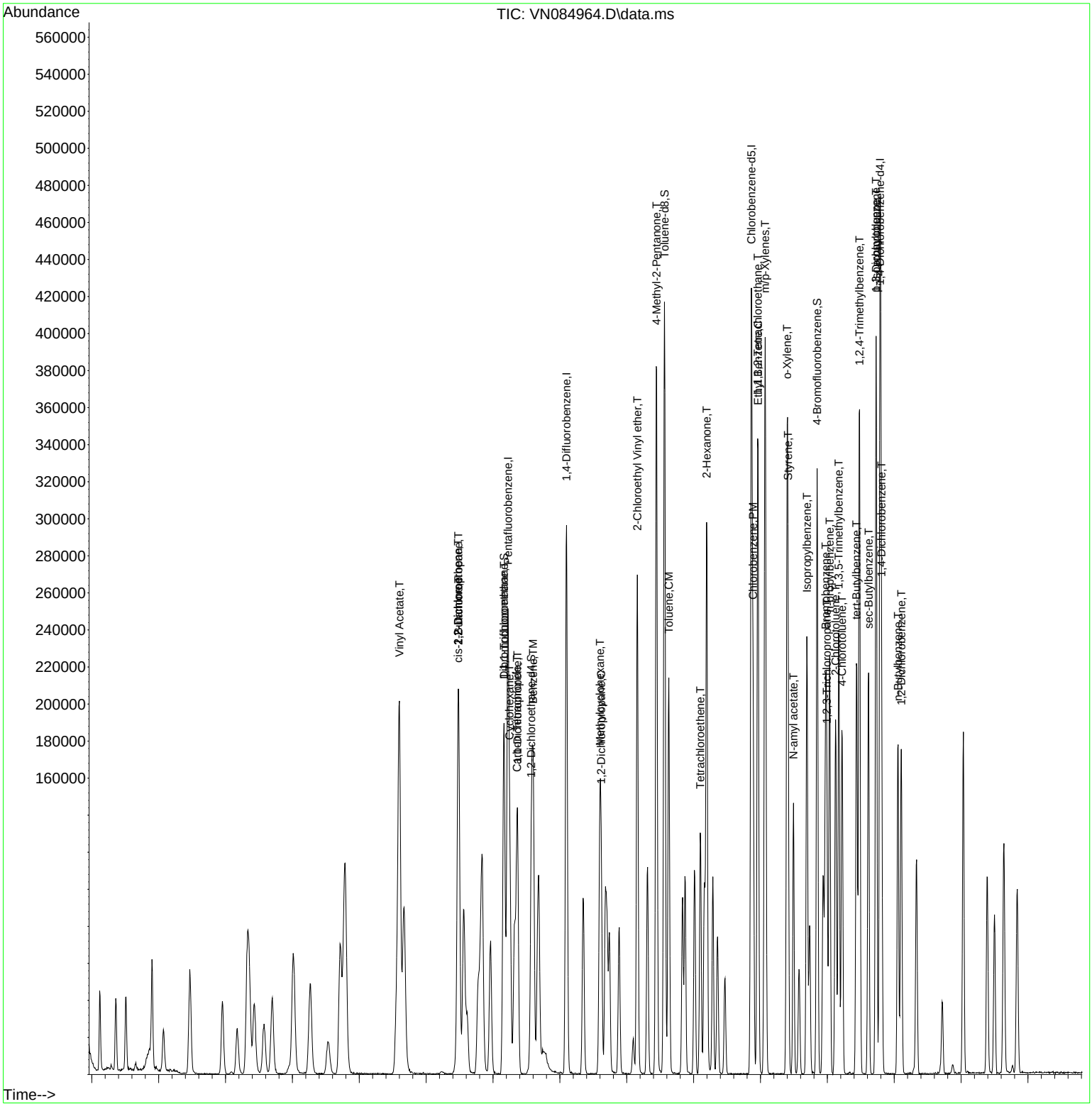
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	144835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	235271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	94886	45.359	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.720%			
35) Dibromofluoromethane	8.159	113	77380	48.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.180%			
50) Toluene-d8	10.565	98	280379	47.795	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.600%			
62) 4-Bromofluorobenzene	12.847	95	111771	50.981	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	34161	20.517	ug/l	95
3) Chloromethane	2.359	50	36498	17.019	ug/l	96
4) Vinyl Chloride	2.512	62	39219	21.900	ug/l	97
5) Bromomethane	2.901	94	20351	21.449	ug/l	85
6) Chloroethane	3.077	64	25938	22.635	ug/l #	89
7) Trichlorofluoromethane	3.471	101	61535	20.860	ug/l	99
8) Diethyl Ether	3.953	74	21737	20.889	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	35448	21.266	ug/l	95
10) Methyl Iodide	4.577	142	48302	21.682	ug/l	98
11) Tert butyl alcohol	5.536	59	27606	99.976	ug/l	99
12) 1,1-Dichloroethene	4.324	96	32595	19.762	ug/l	96
13) Acrolein	4.177	56	20520	74.525	ug/l	98
14) Allyl chloride	5.006	41	52205	19.517	ug/l	93
15) Acrylonitrile	5.712	53	80820	101.104	ug/l	98
16) Acetone	4.430	43	63688	103.727	ug/l	100
17) Carbon Disulfide	4.706	76	92206	18.153	ug/l	96
18) Methyl Acetate	5.012	43	41827	16.255	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	108185	21.400	ug/l	93
20) Methylene Chloride	5.265	84	37718	20.500	ug/l #	85
21) trans-1,2-Dichloroethene	5.777	96	34032	20.094	ug/l	95
22) Diisopropyl ether	6.665	45	108204	20.358	ug/l	96
23) Vinyl Acetate	6.594	43	380570	103.831	ug/l	96
24) 1,1-Dichloroethane	6.565	63	64127	20.096	ug/l	98
25) 2-Butanone	7.477	43	101609	104.114	ug/l	100
26) 2,2-Dichloropropane	7.489	77	59772	21.521	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	40506	20.483	ug/l	97
28) Bromochloromethane	7.806	49	26531	20.869	ug/l	93
29) Tetrahydrofuran	7.836	42	64449	99.542	ug/l	92
30) Chloroform	7.959	83	69722	21.467	ug/l	100
31) Cyclohexane	8.247	56	58930	20.404	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	62101	21.008	ug/l	94
36) 1,1-Dichloropropene	8.371	75	44595	20.191	ug/l	98
37) Ethyl Acetate	7.559	43	42592	21.255	ug/l	97
38) Carbon Tetrachloride	8.353	117	53965	21.860	ug/l	95
39) Methylcyclohexane	9.594	83	48964	21.792	ug/l	96
40) Benzene	8.600	78	146711	20.684	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	23229	21.557	ug/l		94
42) 1,2-Dichloroethane	8.665	62	49432	21.520	ug/l		99
43) Isopropyl Acetate	8.683	43	76401	20.060	ug/l		99
44) Trichloroethene	9.347	130	36415	22.261	ug/l		86
45) 1,2-Dichloropropane	9.618	63	34904	20.978	ug/l		98
46) Dibromomethane	9.706	93	24966	21.265	ug/l		95
47) Bromodichloromethane	9.882	83	53004	21.417	ug/l		98
48) Methyl methacrylate	9.677	41	32696	20.965	ug/l		95
49) 1,4-Dioxane	9.694	88	12102	437.906	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	208306	109.045	ug/l		99
52) Toluene	10.629	92	88883	21.427	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	52463	20.479	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	56924	20.995	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	33197	21.245	ug/l		99
56) Ethyl methacrylate	10.871	69	51492	22.782	ug/l		95
57) 1,3-Dichloropropane	11.159	76	56773	21.170	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	111900	105.802	ug/l		96
59) 2-Hexanone	11.194	43	156533	112.577	ug/l		96
60) Dibromochloromethane	11.359	129	40944	22.991	ug/l		98
61) 1,2-Dibromoethane	11.465	107	33340	20.835	ug/l		97
64) Tetrachloroethene	11.100	164	30999	22.016	ug/l		97
65) Chlorobenzene	11.888	112	97118	20.508	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	36105	21.919	ug/l		96
67) Ethyl Benzene	11.965	91	166079	21.010	ug/l		98
68) m/p-Xylenes	12.071	106	128485	42.934	ug/l		99
69) o-Xylene	12.394	106	61450	21.950	ug/l		97
70) Styrene	12.406	104	105142	21.529	ug/l		99
71) Bromoform	12.576	173	26942	21.737	ug/l	#	99
73) Isopropylbenzene	12.694	105	153827	19.857	ug/l		99
74) N-amyl acetate	12.494	43	62516	18.960	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48704	18.835	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	39260m	17.767	ug/l		
77) Bromobenzene	12.976	156	40793	19.588	ug/l		91
78) n-propylbenzene	13.035	91	180726	19.908	ug/l		98
79) 2-Chlorotoluene	13.123	91	116628	19.662	ug/l		97
80) 1,3,5-Trimethylbenzene	13.171	105	136195	21.212	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	17077	18.334	ug/l		92
82) 4-Chlorotoluene	13.218	91	118700	19.015	ug/l		100
83) tert-Butylbenzene	13.435	119	112040	21.084	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	136557	20.607	ug/l		100
85) sec-Butylbenzene	13.612	105	154263	20.551	ug/l		100
86) p-Isopropyltoluene	13.729	119	131536	21.367	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	74623	18.361	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	75927	19.675	ug/l		99
89) n-Butylbenzene	14.053	91	110781	19.238	ug/l		99
90) Hexachloroethane	14.335	117	25791	18.787	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	72630	18.597	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10004	19.097	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	38113	17.829	ug/l		99
94) Hexachlorobutadiene	15.500	225	17910	19.079	ug/l		98
95) Naphthalene	15.635	128	114920	17.961	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	35883	17.292	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

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

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

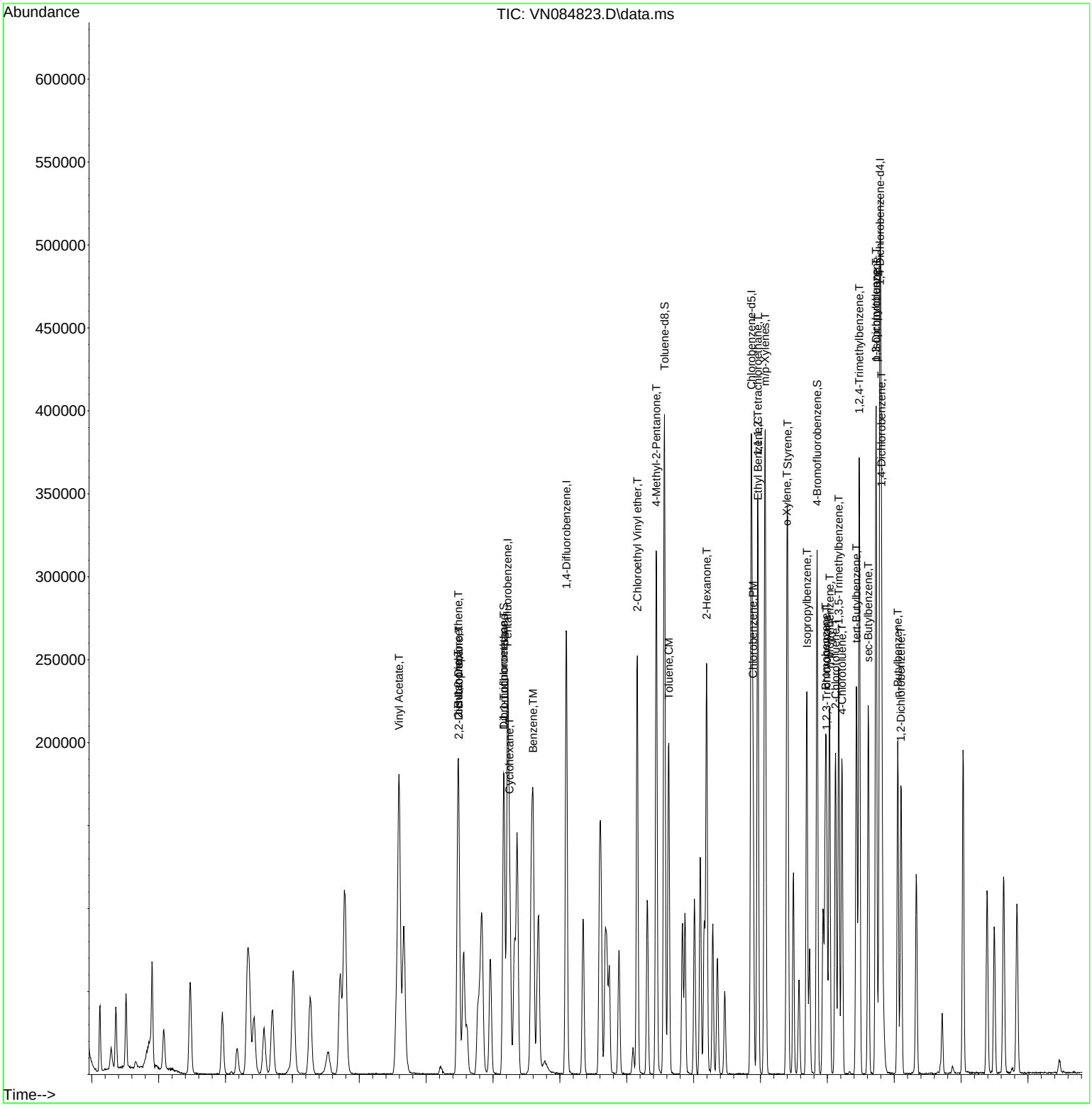
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024



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Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-but ene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

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

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Manual Integration Report

Sequence:	VN111324	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084815.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:19 AM	MMDadoda	11/14/2024 3:18:30 PM	Peak Integrated by Software
VN1113WBS01	VN084822.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:28 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software
VN1113WBSD01	VN084823.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:33 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software
VSTDCCC050	VN084840.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:38 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN111424	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084842.D	1,2,3-Trichloropropane	JOHN	11/15/2024 9:36:11 AM	MMDadoda	11/15/2024 3:54:21 PM	Peak Integrated by Software
VSTDCCC050	VN084842.D	trans-1,4-Dichloro-2-but ene	JOHN	11/15/2024 9:36:11 AM	MMDadoda	11/15/2024 3:54:21 PM	Peak Integrated by Software
VN1114WBS02	VN084846.D	1,2,3-Trichloropropane	JOHN	11/15/2024 9:36:19 AM	MMDadoda	11/15/2024 3:54:24 PM	Peak Integrated by Software
VSTDCCC050	VN084865.D	1,2,3-Trichloropropane	JOHN	11/15/2024 9:36:40 AM	MMDadoda	11/15/2024 3:54:27 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN111924	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084935.D	1,2,3-Trichloropropane	JOHN	11/20/2024 9:59:49 AM	MMDadoda	11/20/2024 1:01:17 PM	Peak Integrated by Software
VN1119WBS01	VN084938.D	1,2,3-Trichloropropane	JOHN	11/20/2024 9:59:53 AM	MMDadoda	11/20/2024 1:01:18 PM	Peak Integrated by Software
VSTDCCC050	VN084958.D	1,2,3-Trichloropropane	JOHN	11/20/2024 10:00:10 AM	MMDadoda	11/20/2024 1:01:28 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN112024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084960.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:26 AM	MMDadoda	11/21/2024 6:45:22 AM	Peak Integrated by Software
VN1120WBS02	VN084964.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:30 AM	MMDadoda	11/21/2024 6:45:25 AM	Peak Integrated by Software
VN1120WBS02	VN084964.D	trans-1,4-Dichloro-2-but ene	SAM	11/21/2024 6:43:30 AM	MMDadoda	11/21/2024 6:45:25 AM	Peak Integrated by Software
VSTDCCC050	VN084985.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:54 AM	MMDadoda	11/21/2024 6:46:13 AM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084814.D	13 Nov 2024 08:53	JC\MD	Ok
2	VSTDCCC050	VN084815.D	13 Nov 2024 09:52	JC\MD	Ok,M
3	VN1113MBL01	VN084816.D	13 Nov 2024 10:26	JC\MD	Not Ok
4	VN1113WBL01	VN084817.D	13 Nov 2024 10:50	JC\MD	Ok
5	VN1113MBL02	VN084818.D	13 Nov 2024 11:13	JC\MD	Ok
6	VN1113MBS01	VN084819.D	13 Nov 2024 11:37	JC\MD	Ok,M
7	P4793-01	VN084820.D	13 Nov 2024 12:01	JC\MD	Dilution
8	P4793-01DL	VN084821.D	13 Nov 2024 13:00	JC\MD	Ok
9	VN1113WBS01	VN084822.D	13 Nov 2024 13:24	JC\MD	Ok,M
10	VN1113WBSD01	VN084823.D	13 Nov 2024 14:00	JC\MD	Ok,M
11	P4722-05	VN084824.D	13 Nov 2024 14:24	JC\MD	Ok
12	P4722-10	VN084825.D	13 Nov 2024 14:48	JC\MD	Ok
13	P4722-15	VN084826.D	13 Nov 2024 15:12	JC\MD	Ok
14	P4780-01	VN084827.D	13 Nov 2024 15:35	JC\MD	Ok
15	P4739-11DL	VN084828.D	13 Nov 2024 15:59	JC\MD	Ok
16	IBLK	VN084829.D	13 Nov 2024 16:23	JC\MD	Ok
17	P4770-04	VN084830.D	13 Nov 2024 16:47	JC\MD	Ok
18	P4780-04	VN084831.D	13 Nov 2024 17:11	JC\MD	Ok
19	P4770-05	VN084832.D	13 Nov 2024 17:35	JC\MD	Ok
20	P4780-02	VN084833.D	13 Nov 2024 18:00	JC\MD	Ok
21	P4780-03	VN084834.D	13 Nov 2024 18:23	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4791-02	VN084835.D	13 Nov 2024 18:47	JC\MD	Ok
23	P4792-04	VN084836.D	13 Nov 2024 19:11	JC\MD	Ok
24	P4799-17	VN084837.D	13 Nov 2024 19:35	JC\MD	Ok
25	P4732-05	VN084838.D	13 Nov 2024 19:59	JC\MD	Ok
26	P4792-02	VN084839.D	13 Nov 2024 20:23	JC\MD	Ok
27	VSTDCCC050	VN084840.D	13 Nov 2024 20:47	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111424

Review By	John Carlone	Review On	11/15/2024 10:01:35 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/15/2024 3:54:33 PM		
SubDirectory	VN111424	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131460
Initial Calibration Stds	
CCC	VP131461,VP131462
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084841.D	14 Nov 2024 08:53	JC\MD	Ok
2	VSTDCCC050	VN084842.D	14 Nov 2024 09:54	JC\MD	Ok,M
3	VN1114MBL01	VN084843.D	14 Nov 2024 10:28	JC\MD	Ok
4	VN1114WBL01	VN084844.D	14 Nov 2024 10:52	JC\MD	Ok
5	VN1114WBS01	VN084845.D	14 Nov 2024 11:53	JC\MD	Not Ok
6	VN1114WBS02	VN084846.D	14 Nov 2024 12:50	JC\MD	Ok,M
7	VN1114WBSD02	VN084847.D	14 Nov 2024 13:24	JC\MD	Ok,M
8	P4844-01	VN084848.D	14 Nov 2024 13:48	JC\MD	ReRun
9	IBLK	VN084849.D	14 Nov 2024 14:12	JC\MD	Ok
10	P4844-02	VN084850.D	14 Nov 2024 14:36	JC\MD	Ok
11	P4718-05	VN084851.D	14 Nov 2024 14:59	JC\MD	Ok
12	P4819-01	VN084852.D	14 Nov 2024 15:23	JC\MD	Ok
13	P4718-04	VN084853.D	14 Nov 2024 15:47	JC\MD	Ok
14	PB164945TB	VN084854.D	14 Nov 2024 16:11	JC\MD	Ok
15	PB164927TB	VN084855.D	14 Nov 2024 16:35	JC\MD	Ok
16	P4821-04	VN084856.D	14 Nov 2024 16:59	JC\MD	Ok
17	P4821-08	VN084857.D	14 Nov 2024 17:23	JC\MD	Ok
18	P4823-04	VN084858.D	14 Nov 2024 17:47	JC\MD	Ok
19	P4833-04	VN084859.D	14 Nov 2024 18:10	JC\MD	Ok
20	P4833-08	VN084860.D	14 Nov 2024 18:34	JC\MD	Ok
21	P4770-01	VN084861.D	14 Nov 2024 18:58	JC\MD	ReRun

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111424

Review By	John Carlone	Review On	11/15/2024 10:01:35 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/15/2024 3:54:33 PM		
SubDirectory	VN111424	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131460
Initial Calibration Stds	
CCC	VP131461,VP131462
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4770-02	VN084862.D	14 Nov 2024 19:22	JC\MD	ReRun
23	P4770-03	VN084863.D	14 Nov 2024 19:46	JC\MD	Ok
24	IBLK	VN084864.D	14 Nov 2024 20:10	JC\MD	Ok
25	VSTDCCC050	VN084865.D	14 Nov 2024 20:34	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084934.D	19 Nov 2024 08:15	JC\MD	Ok
2	VSTDCCC050	VN084935.D	19 Nov 2024 09:27	JC\MD	Ok,M
3	VN1119MBL01	VN084936.D	19 Nov 2024 10:43	JC\MD	Ok
4	VN1119WBL01	VN084937.D	19 Nov 2024 11:07	JC\MD	Ok
5	VN1119WBS01	VN084938.D	19 Nov 2024 11:40	JC\MD	Ok,M
6	VN1119WBSD01	VN084939.D	19 Nov 2024 12:04	JC\MD	Ok,M
7	P4770-01	VN084940.D	19 Nov 2024 12:28	JC\MD	Dilution
8	P4770-02	VN084941.D	19 Nov 2024 12:52	JC\MD	Ok
9	P4845-01DL	VN084942.D	19 Nov 2024 13:17	JC\MD	Ok,M
10	P4845-04DL	VN084943.D	19 Nov 2024 13:41	JC\MD	Ok
11	P4845-11DL	VN084944.D	19 Nov 2024 14:05	JC\MD	Ok
12	P4845-19DL	VN084945.D	19 Nov 2024 14:29	JC\MD	Ok
13	P4845-09	VN084946.D	19 Nov 2024 14:53	JC\MD	Ok
14	P4845-02	VN084947.D	19 Nov 2024 15:15	JC\MD	Ok
15	P4848-02	VN084948.D	19 Nov 2024 15:40	JC\MD	Ok
16	P4871-01DL	VN084949.D	19 Nov 2024 16:04	JC\MD	Ok
17	P4845-16	VN084950.D	19 Nov 2024 16:28	JC\MD	Ok
18	P4845-20	VN084951.D	19 Nov 2024 16:52	JC\MD	Ok
19	P4843-01	VN084952.D	19 Nov 2024 17:16	JC\MD	Ok
20	P4845-08	VN084953.D	19 Nov 2024 17:40	JC\MD	Ok
21	P4845-15	VN084954.D	19 Nov 2024 18:04	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4849-02	VN084955.D	19 Nov 2024 18:28	JC\MD	Ok
23	P4844-01	VN084956.D	19 Nov 2024 18:52	JC\MD	Ok
24	IBLK	VN084957.D	19 Nov 2024 19:16	JC\MD	Ok
25	VSTDCCC050	VN084958.D	19 Nov 2024 19:40	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084959.D	20 Nov 2024 09:51	JC\MD	Ok
2	VSTDCCC050	VN084960.D	20 Nov 2024 11:18	JC\MD	Ok,M
3	VN1120MBL01	VN084961.D	20 Nov 2024 11:57	JC\MD	Not Ok
4	VN1120WBL01	VN084962.D	20 Nov 2024 12:21	JC\MD	Ok
5	VN1120WBS01	VN084963.D	20 Nov 2024 12:45	JC\MD	Not Ok
6	VN1120WBS02	VN084964.D	20 Nov 2024 13:20	JC\MD	Ok,M
7	P4864-01	VN084965.D	20 Nov 2024 13:44	JC\MD	Ok
8	PB165108TB	VN084966.D	20 Nov 2024 14:08	JC\MD	Ok
9	PB165122TB	VN084967.D	20 Nov 2024 14:33	JC\MD	Ok
10	P4770-01	VN084968.D	20 Nov 2024 14:57	JC\MD	Not Ok
11	P4845-12	VN084969.D	20 Nov 2024 15:21	JC\MD	Ok
12	VN1120WBSD02	VN084970.D	20 Nov 2024 15:45	JC\MD	Not Ok
13	P4893-04	VN084971.D	20 Nov 2024 16:09	JC\MD	Ok
14	P4893-08	VN084972.D	20 Nov 2024 16:34	JC\MD	Ok
15	P4910-04	VN084973.D	20 Nov 2024 16:58	JC\MD	Ok,M
16	P4910-08	VN084974.D	20 Nov 2024 17:22	JC\MD	Ok,M
17	P4916-04	VN084975.D	20 Nov 2024 17:46	JC\MD	Ok,M
18	P4916-08	VN084976.D	20 Nov 2024 18:10	JC\MD	Ok,M
19	P4916-12	VN084977.D	20 Nov 2024 18:34	JC\MD	Ok,M
20	P4924-04	VN084978.D	20 Nov 2024 18:58	JC\MD	Ok,M
21	P4925-04	VN084979.D	20 Nov 2024 19:22	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4925-08	VN084980.D	20 Nov 2024 19:46	JC\MD	Ok,M
23	P4921-01	VN084981.D	20 Nov 2024 20:10	JC\MD	Ok
24	VN1120WBSD02	VN084982.D	20 Nov 2024 20:34	JC\MD	Ok,M
25	P4770-01	VN084983.D	20 Nov 2024 20:58	JC\MD	Ok
26	P4892-04	VN084984.D	20 Nov 2024 21:22	JC\MD	Ok
27	VSTDCCC050	VN084985.D	20 Nov 2024 21:46	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
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	VN084814.D	13 Nov 2024 08:53		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084815.D	13 Nov 2024 09:52		JC\MD	Ok,M
3	VN1113MBL01	VN1113MBL01	VN084816.D	13 Nov 2024 10:26	Contaminated	JC\MD	Not Ok
4	VN1113WBL01	VN1113WBL01	VN084817.D	13 Nov 2024 10:50		JC\MD	Ok
5	VN1113MBL02	VN1113MBL02	VN084818.D	13 Nov 2024 11:13		JC\MD	Ok
6	VN1113MBS01	VN1113MBS01	VN084819.D	13 Nov 2024 11:37	BS failed low for comp. #93	JC\MD	Ok,M
7	P4793-01	M00-24-00345	VN084820.D	13 Nov 2024 12:01	Need 5X	JC\MD	Dilution
8	P4793-01DL	M00-24-00345DL	VN084821.D	13 Nov 2024 13:00		JC\MD	Ok
9	VN1113WBS01	VN1113WBS01	VN084822.D	13 Nov 2024 13:24		JC\MD	Ok,M
10	VN1113WBSD01	VN1113WBSD01	VN084823.D	13 Nov 2024 14:00		JC\MD	Ok,M
11	P4722-05	WC-1(0-6)	VN084824.D	13 Nov 2024 14:24	vial B pH#6.0	JC\MD	Ok
12	P4722-10	WC-2(0-6)	VN084825.D	13 Nov 2024 14:48	vial B pH#6.0	JC\MD	Ok
13	P4722-15	WC-3(0-6)	VN084826.D	13 Nov 2024 15:12	vial B pH#6.0	JC\MD	Ok
14	P4780-01	Storage-Blank-SOIL-RE	VN084827.D	13 Nov 2024 15:35	vial B pH<2	JC\MD	Ok
15	P4739-11DL	BP-B2-VOCDL	VN084828.D	13 Nov 2024 15:59		JC\MD	Ok
16	IBLK	IBLK	VN084829.D	13 Nov 2024 16:23		JC\MD	Ok
17	P4770-04	FIELD-BLANK	VN084830.D	13 Nov 2024 16:47	vial A pH<2 FB	JC\MD	Ok
18	P4780-04	Storage-Blank-SAMPLE	VN084831.D	13 Nov 2024 17:11	vial B pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4770-05	TRIP-BLANK	VN084832.D	13 Nov 2024 17:35	vial A pH<2 TB	JC\MD	Ok
20	P4780-02	Storage-Blank-WATER-	VN084833.D	13 Nov 2024 18:00	vial B pH<2	JC\MD	Ok
21	P4780-03	Storage-Blank-WATER-	VN084834.D	13 Nov 2024 18:23	vial B pH<2	JC\MD	Ok
22	P4791-02	HINCHMAN-OILY-WAT	VN084835.D	13 Nov 2024 18:47	vial B pH<2	JC\MD	Ok
23	P4792-04	MANHOLE-WASTE-DR	VN084836.D	13 Nov 2024 19:11	vial B pH<2	JC\MD	Ok
24	P4799-17	WC-TA1-03-G	VN084837.D	13 Nov 2024 19:35	vial B pH#5.0	JC\MD	Ok
25	P4732-05	PPE-GRAB	VN084838.D	13 Nov 2024 19:59	vial B pH#5.0	JC\MD	Ok
26	P4792-02	DIESLE-DRUM	VN084839.D	13 Nov 2024 20:23		JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN084840.D	13 Nov 2024 20:47		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111424

Review By	John Carlone	Review On	11/15/2024 10:01:35 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/15/2024 3:54:33 PM		
SubDirectory	VN111424	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131460
Initial Calibration Stds	
CCC	VP131461,VP131462
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	VN084841.D	14 Nov 2024 08:53		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084842.D	14 Nov 2024 09:54	V13516	JC\MD	Ok,M
3	VN1114MBL01	VN1114MBL01	VN084843.D	14 Nov 2024 10:28		JC\MD	Ok
4	VN1114WBL01	VN1114WBL01	VN084844.D	14 Nov 2024 10:52		JC\MD	Ok
5	VN1114WBS01	VN1114WBS01	VN084845.D	14 Nov 2024 11:53	Recovery fail	JC\MD	Not Ok
6	VN1114WBS02	VN1114WBS02	VN084846.D	14 Nov 2024 12:50	BS high for com#69	JC\MD	Ok,M
7	VN1114WBSD02	VN1114WBSD02	VN084847.D	14 Nov 2024 13:24	BSD high for com#69	JC\MD	Ok,M
8	P4844-01	241113075-01-VOA	VN084848.D	14 Nov 2024 13:48	vial A pH#6.0 BS/BSD high	JC\MD	ReRun
9	IBLK	IBLK	VN084849.D	14 Nov 2024 14:12		JC\MD	Ok
10	P4844-02	241113050-06-TRIP-BL	VN084850.D	14 Nov 2024 14:36	vial A pH#6.0	JC\MD	Ok
11	P4718-05	TB-11042024	VN084851.D	14 Nov 2024 14:59	vial A pH<2 TB	JC\MD	Ok
12	P4819-01	1594	VN084852.D	14 Nov 2024 15:23	vial A pH#5.0	JC\MD	Ok
13	P4718-04	WB-307-SW	VN084853.D	14 Nov 2024 15:47	vial A pH<2	JC\MD	Ok
14	PB164945TB	PB164945TB	VN084854.D	14 Nov 2024 16:11		JC\MD	Ok
15	PB164927TB	PB164927TB	VN084855.D	14 Nov 2024 16:35		JC\MD	Ok
16	P4821-04	BP-F-24	VN084856.D	14 Nov 2024 16:59	vial A pH#5.0	JC\MD	Ok
17	P4821-08	BP-F-2	VN084857.D	14 Nov 2024 17:23	vial A pH#5.0	JC\MD	Ok
18	P4823-04	MH-4	VN084858.D	14 Nov 2024 17:47	vial A pH#5.0	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111424

Review By	John Carlone	Review On	11/15/2024 10:01:35 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/15/2024 3:54:33 PM		
SubDirectory	VN111424	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131460
Initial Calibration Stds	
CCC	VP131461,VP131462
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4833-04	MH-731	VN084859.D	14 Nov 2024 18:10	vial A pH#5.0	JC\MD	Ok
20	P4833-08	TP-2	VN084860.D	14 Nov 2024 18:34	vial A pH#5.0	JC\MD	Ok
21	P4770-01	MW-1	VN084861.D	14 Nov 2024 18:58	vial A pH<2 BS/BSD high	JC\MD	ReRun
22	P4770-02	MW-3	VN084862.D	14 Nov 2024 19:22	vial A pH<2 BS/BSD high	JC\MD	ReRun
23	P4770-03	MW-10	VN084863.D	14 Nov 2024 19:46	vial A pH<2	JC\MD	Ok
24	IBLK	IBLK	VN084864.D	14 Nov 2024 20:10		JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN084865.D	14 Nov 2024 20:34		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
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	VN084934.D	19 Nov 2024 08:15		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084935.D	19 Nov 2024 09:27		JC\MD	Ok,M
3	VN1119MBL01	VN1119MBL01	VN084936.D	19 Nov 2024 10:43		JC\MD	Ok
4	VN1119WBL01	VN1119WBL01	VN084937.D	19 Nov 2024 11:07		JC\MD	Ok
5	VN1119WBS01	VN1119WBS01	VN084938.D	19 Nov 2024 11:40		JC\MD	Ok,M
6	VN1119WBSD01	VN1119WBSD01	VN084939.D	19 Nov 2024 12:04		JC\MD	Ok,M
7	P4770-01	MW-1	VN084940.D	19 Nov 2024 12:28	Need 2500X	JC\MD	Dilution
8	P4770-02	MW-3	VN084941.D	19 Nov 2024 12:52	vial B pH<2	JC\MD	Ok
9	P4845-01DL	FSND-MW-27-2024111	VN084942.D	19 Nov 2024 13:17	vial B pH<2	JC\MD	Ok,M
10	P4845-04DL	FSND-MW-22R-202411	VN084943.D	19 Nov 2024 13:41	vial B pH<2	JC\MD	Ok
11	P4845-11DL	FSND-MW-33-2024111	VN084944.D	19 Nov 2024 14:05	vial B pH<2	JC\MD	Ok
12	P4845-19DL	FSND-GEP-2-20241111	VN084945.D	19 Nov 2024 14:29	vial B pH<2	JC\MD	Ok
13	P4845-09	FSND-RB-1-20241111	VN084946.D	19 Nov 2024 14:53	vial B pH<2	JC\MD	Ok
14	P4845-02	FSND-MW-B-3-202411	VN084947.D	19 Nov 2024 15:15	vial B pH<2	JC\MD	Ok
15	P4848-02	TP-1	VN084948.D	19 Nov 2024 15:40	vial B pH#5.0	JC\MD	Ok
16	P4871-01DL	WC-10-A-202411DL	VN084949.D	19 Nov 2024 16:04	vial B pH#5.0	JC\MD	Ok
17	P4845-16	FSND-MW-DUP-01-202	VN084950.D	19 Nov 2024 16:28	vial B pH<2	JC\MD	Ok
18	P4845-20	FSND-MW-14-2024111	VN084951.D	19 Nov 2024 16:52	vial B pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111924

Review By	John Carlone	Review On	11/20/2024 10:08:31 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/20/2024 1:01:30 PM		
SubDirectory	VN111924	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131651
Initial Calibration Stds	
CCC	VP131652,VP131653
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4843-01	SW-WTS-01	VN084952.D	19 Nov 2024 17:16	vial B pH<2	JC\MD	Ok
20	P4845-08	FSND-MW-35-2024111	VN084953.D	19 Nov 2024 17:40	vial B pH<2	JC\MD	Ok
21	P4845-15	FSND-MW-12R-202411	VN084954.D	19 Nov 2024 18:04	vial B pH<2	JC\MD	Ok
22	P4849-02	RR-1	VN084955.D	19 Nov 2024 18:28	vial B pH#5.0	JC\MD	Ok
23	P4844-01	241113075-01-VOA	VN084956.D	19 Nov 2024 18:52	vial C pH#6.0	JC\MD	Ok
24	IBLK	IBLK	VN084957.D	19 Nov 2024 19:16		JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN084958.D	19 Nov 2024 19:40		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
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	VN084959.D	20 Nov 2024 09:51		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084960.D	20 Nov 2024 11:18		JC\MD	Ok,M
3	VN1120MBL01	VN1120MBL01	VN084961.D	20 Nov 2024 11:57	not needed	JC\MD	Not Ok
4	VN1120WBL01	VN1120WBL01	VN084962.D	20 Nov 2024 12:21		JC\MD	Ok
5	VN1120WBS01	VN1120WBS01	VN084963.D	20 Nov 2024 12:45	recovery low	JC\MD	Not Ok
6	VN1120WBS02	VN1120WBS02	VN084964.D	20 Nov 2024 13:20		JC\MD	Ok,M
7	P4864-01	MONTCLAIR-TOTE-2	VN084965.D	20 Nov 2024 13:44	vial A pH<2	JC\MD	Ok
8	PB165108TB	PB165108TB	VN084966.D	20 Nov 2024 14:08		JC\MD	Ok
9	PB165122TB	PB165122TB	VN084967.D	20 Nov 2024 14:33		JC\MD	Ok
10	P4770-01	MW-1	VN084968.D	20 Nov 2024 14:57	Not Required	JC\MD	Not Ok
11	P4845-12	FSND-MW-31-2024111	VN084969.D	20 Nov 2024 15:21		JC\MD	Ok
12	VN1120WBSD02	VN1120WBSD02	VN084970.D	20 Nov 2024 15:45	Recovery fail	JC\MD	Not Ok
13	P4893-04	MH-763	VN084971.D	20 Nov 2024 16:09		JC\MD	Ok
14	P4893-08	MH-762	VN084972.D	20 Nov 2024 16:34		JC\MD	Ok
15	P4910-04	MH-COTTAGE	VN084973.D	20 Nov 2024 16:58		JC\MD	Ok,M
16	P4910-08	MH-759	VN084974.D	20 Nov 2024 17:22		JC\MD	Ok,M
17	P4916-04	TP-1-WC	VN084975.D	20 Nov 2024 17:46		JC\MD	Ok,M
18	P4916-08	TP-2-WC	VN084976.D	20 Nov 2024 18:10		JC\MD	Ok,M

Alliance TECHNICAL GROUP
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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4916-12	TP-3-WC	VN084977.D	20 Nov 2024 18:34		JC\MD	Ok,M
20	P4924-04	MH-4	VN084978.D	20 Nov 2024 18:58		JC\MD	Ok,M
21	P4925-04	MH-741	VN084979.D	20 Nov 2024 19:22		JC\MD	Ok,M
22	P4925-08	MH-741	VN084980.D	20 Nov 2024 19:46		JC\MD	Ok,M
23	P4921-01	WC-11-A-202411	VN084981.D	20 Nov 2024 20:10		JC\MD	Ok
24	VN1120WBSD02	VN1120WBSD02	VN084982.D	20 Nov 2024 20:34		JC\MD	Ok,M
25	P4770-01	MW-1	VN084983.D	20 Nov 2024 20:58		JC\MD	Ok
26	P4892-04	WB-310-SW	VN084984.D	20 Nov 2024 21:22		JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN084985.D	20 Nov 2024 21:46		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4770	**OrderDate:**	11/7/2024 3:07:00 PM
Client:	M2 Associates	**Project:**	143 Red Lion Rd Southampton Twp, NJ
Contact:	Matt Mulhall	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4770-01	**MW-1**	**Water**			**11/07/24**			**11/07/24**
			VOCMS Group2	8260-Low			11/20/24	
P4770-02	**MW-3**	**Water**			**11/07/24**			**11/07/24**
			VOCMS Group2	8260-Low			11/19/24	
P4770-03	**MW-10**	**Water**			**11/07/24**			**11/07/24**
			VOCMS Group2	8260-Low			11/14/24	
P4770-04	**FIELD-BLANK**	**Water**			**11/07/24**			**11/07/24**
			VOCMS Group2	8260-Low			11/13/24	
P4770-05	**TRIP-BLANK**	**Water**			**11/07/24**			**11/07/24**
			VOCMS Group2	8260-Low			11/13/24	

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. QUOTE NO. P4770

COC Number 2042270

6 6.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: M² ASSOC Sales Inc.
ADDRESS: 56 Country Acres Dr.
CITY Hampton STATE: NJ ZIP: 08827
ATTENTION: Matt McHall
PHONE: 908-238-0827 FAX: 908-238-0830

CLIENT PROJECT INFORMATION

PROJECT NAME: 143 Red Lion Rd
PROJECT NO.: — LOCATION: Vincentown
PROJECT MANAGER: Matt McHall
e-mail: M2-gw@comcast.net
PHONE: 908-238-0827 FAX: 908-238-0830

CLIENT BILLING INFORMATION

BILL TO: Same PO#:
ADDRESS:
CITY STATE: ZIP:
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 DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other _____
☑ EDD FORMAT NJ Hazsite

ANALYSIS

1 VOCs + MTBE + TBA 2 3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES A 1	2	3	4	5	6	7	8	9	COMMENTS
1.	MW-1	H2O		✓	11/7	12:10	2	X									
2.	MW-3			✓		11:55	2	X									
3.	MW-10			✓		11:05	2	X									
4.	Field Blank			✓		12:05	2	X									
5.	Trip Blank			✓				X									
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	11-7-24 15:06	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments: MW-1 & MW-3 - Strong residual odors.

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

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

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4770 M2AS01
Client Name : M2 Associates
Client Contact : Matt Mulhall
Invoice Name : M2 Associates
Invoice Contact : Matt Mulhall

Order Date : 11/7/2024 3:07:00 PM
Project Name : 143 Red Lion Rd Southamp
Receive DateTime : 11/7/2024 3:00:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : HAZ/EXCEL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4770-01	MW-1	Water	11/07/2024	12:10					
					VOCMS Group2		8260-Low		10 Bus. Days
P4770-02	MW-3	Water	11/07/2024	11:55					
					VOCMS Group2		8260-Low		10 Bus. Days
P4770-03	MW-10	Water	11/07/2024	11:05					
					VOCMS Group2		8260-Low		10 Bus. Days
P4770-04	FIELD-BLANK	Water	11/07/2024	12:15					
					VOCMS Group2		8260-Low		10 Bus. Days
P4770-05	TRIP-BLANK	Water	11/07/2024	00:00					
					VOCMS Group2		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 11/7/24 1615

Received By : Roman
Date / Time : 11/07/24 4:35

Storage Area : VOA Refridgerator Room