

Cover Page

Order ID : P5291

Project ID : Con Edison Non-MGP - Atlantic Avenue

Client : PARSONS Main of New York, Inc.

Lab Sample Number

P5291-01
P5291-02
P5291-03
P5291-04
P5291-05
P5291-06
P5291-07
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P5291-09
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P5291-13

Client Sample Number

MW1A-20241213
MW10D-20241213
MW4-20241213
MW5-20241213
MW2-20241213
MW3-20241213
MW6-20241213
P5291-07MS
P5291-07MSD
MW6-20241213-A
EQUIP-BLANK-20241213
TB-20241216
WC-20241213

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

Signature : _____

Date: 12/28/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

PARSONS Main of New York, Inc.

Project Name: Con Edison Non-MGP - Atlantic Avenue

Project # N/A

Chemtech Project # P5291

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

13 Water samples were received on 12/16/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Flash Point, PCB, pH, Reactive Cyanide, Reactive Sulfide, Sulfate, SVOCMS Group1, TCLP BNA, TCLP Extraction, TCLP ICP Metals, TCLP Mercury, TCLP METALS, TCLP VOA, TCLP ZHE Extraction, TDS and VOCMS Group1. This data package contains results for VOCMS Group1.

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 Group1 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 MS {P5291-08MS} with File ID: VN085240.D recoveries met the requirements for all compounds except for Benzene[180%], Dichlorodifluoromethane[138%], Ethyl Benzene[140%], m/p-Xylenes[160%], o-Xylene[140%] and Toluene[125%] due to matrix interference.

The MSD {P5291-09MSD} with File ID: VN085241.D recoveries met the acceptable requirements except for 2-Hexanone[132%], Benzene[160%], Dichlorodifluoromethane[141%], Ethyl Benzene[140%], m/p-Xylenes[150%], Methylcyclohexane[124%], o-Xylene[140%] and Toluene[125%] due to matrix interference.

The RPD met criteria .

The Blank Spike for {VN1217WBS02} with File ID: VN085222.D met requirements for all samples except for Bromomethane[126%], Dichlorodifluoromethane[137%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike for {VN1218WBS01} with File ID: VN085255.D met requirements for all samples except for 2-Hexanone[120%] are failing high but no positive hit in associate sample therefore no corrective action taken.

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

The %RSD is greater than 20% in the Initial Calibration method (82N112224W.M) for Methyl Acetate compound this compound is passing on Linear Regression.

The %RSD is greater than 20% in the Initial Calibration method (82D121824W.M) for Chloroethane this compound is passing on Linear Regression.

The Continuous Calibration File ID VN085218.D met the requirements except for 2-Hexanone,4-Methyl-2-Pentanone, Bromoform, Bromomethane, Dibromochloromethane, Dichlorodifluoromethane and Styrene are failing high and associate sample having hit of 4-Methyl-2-Pentanone but below CRQL therefore no corrective action taken.

The Tuning criteria met requirements.

Samples MW2-20241213, MW3-20241213, MW6-20241213 and MW6-20241213-A were diluted due to high concentrations.

E. Additional Comments:

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_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P5291

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 12/28/2024

LAB CHRONICLE

OrderID:	P5291	OrderDate:	12/16/2024 10:45:00 AM
Client:	PARSONS Main of New York, Inc.	Project:	Con Edison Non-MGP - Atlantic Avenue
Contact:	Stephen Liberatore	Location:	L51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5291-01	MW1A-20241213	Water	VOCMS Group1	8260-Low	12/13/24		12/17/24	12/16/24
P5291-02	MW10D-20241213	Water	VOCMS Group1	8260-Low	12/13/24		12/17/24	12/16/24
P5291-03	MW4-20241213	Water	VOCMS Group1	8260-Low	12/13/24		12/17/24	12/16/24
P5291-04	MW5-20241213	Water	VOCMS Group1	8260-Low	12/13/24		12/17/24	12/16/24
P5291-05	MW2-20241213	Water	VOCMS Group1	8260-Low	12/13/24		12/17/24	12/16/24
P5291-05DL	MW2-20241213DL	Water	VOCMS Group1	8260-Low	12/13/24		12/18/24	12/16/24
P5291-06	MW3-20241213	Water	VOCMS Group1	8260-Low	12/13/24		12/17/24	12/16/24
P5291-06DL	MW3-20241213DL	Water	VOCMS Group1	8260-Low	12/13/24		12/18/24	12/16/24
P5291-07	MW6-20241213	Water	VOCMS Group1	8260-Low	12/13/24		12/17/24	12/16/24
P5291-07DL	MW6-20241213DL	Water	VOCMS Group1	8260-Low	12/13/24		12/18/24	12/16/24
P5291-10	MW6-20241213-A	Water	VOCMS Group1	8260-Low	12/13/24		12/17/24	12/16/24
P5291-10DL	MW6-20241213-ADL	Water			12/13/24			12/16/24

LAB CHRONICLE

P5291-11	EQUIP-BLANK-20241213	Water	VOCMS Group1	8260-Low	12/18/24	12/13/24	12/16/24
			VOCMS Group1	8260-Low	12/18/24		
P5291-12	TRIP BLANK	Water	VOCMS Group1	8260-Low	12/17/24	12/13/24	12/16/24
			TCLP VOA	8260D	12/17/24		
P5291-13	WC-20241213	TCLP	VOCMS Group1		12/17/24	12/13/24	12/16/24

Hit Summary Sheet
SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: MW1A-20241213								
P5291-01	MW1A-20241213	Water	Acetone	3.90	J	1.40	5.00	ug/L
P5291-01	MW1A-20241213	Water	Methyl tert-butyl Ether	2.00		0.16	1.00	ug/L
P5291-01	MW1A-20241213	Water	Benzene	81.7		0.16	1.00	ug/L
P5291-01	MW1A-20241213	Water	4-Methyl-2-Pentanone	2.10	J	0.75	5.00	ug/L
P5291-01	MW1A-20241213	Water	Toluene	0.88	J	0.18	1.00	ug/L
P5291-01	MW1A-20241213	Water	Ethyl Benzene	2.70		0.16	1.00	ug/L
P5291-01	MW1A-20241213	Water	m/p-Xylenes	1.60	J	0.31	2.00	ug/L
P5291-01	MW1A-20241213	Water	o-Xylene	0.76	J	0.14	1.00	ug/L
P5291-01	MW1A-20241213	Water	Isopropylbenzene	0.57	J	0.13	1.00	ug/L
Total Voc :					96.2			
P5291-01	MW1A-20241213	Water	Butane, 2-methoxy-2-methyl-	* 20.7	J	0	0	ug/L
P5291-01	MW1A-20241213	Water	n-propylbenzene	* 0.43	J	0.14	1.00	ug/L
P5291-01	MW1A-20241213	Water	1,3,5-Trimethylbenzene	* 0.21	J	0.18	1.00	ug/L
P5291-01	MW1A-20241213	Water	1,2,4-Trimethylbenzene	* 0.98	J	0.18	1.00	ug/L
P5291-01	MW1A-20241213	Water	Naphthalene	* 5.20	J	0.59	1.00	ug/L
Total Tics :					27.5			
Total Concentration:					124			
Client ID: MW10D-20241213								
P5291-02	MW10D-20241213	Water	Acetone	2.80	J	1.40	5.00	ug/L
P5291-02	MW10D-20241213	Water	Chloroform	5.00		0.26	1.00	ug/L
P5291-02	MW10D-20241213	Water	Methylcyclohexane	2.40		0.19	1.00	ug/L
P5291-02	MW10D-20241213	Water	Benzene	2.20		0.16	1.00	ug/L
P5291-02	MW10D-20241213	Water	Toluene	1.20		0.18	1.00	ug/L
P5291-02	MW10D-20241213	Water	Tetrachloroethene	2.20		0.25	1.00	ug/L
P5291-02	MW10D-20241213	Water	Ethyl Benzene	15.5		0.16	1.00	ug/L
P5291-02	MW10D-20241213	Water	m/p-Xylenes	53.7		0.31	2.00	ug/L
P5291-02	MW10D-20241213	Water	o-Xylene	9.00		0.14	1.00	ug/L
P5291-02	MW10D-20241213	Water	Isopropylbenzene	1.10		0.13	1.00	ug/L
Total Voc :					95.1			
P5291-02	MW10D-20241213	Water	Indane	* 7.10	J	0	0	ug/L
P5291-02	MW10D-20241213	Water	Benzene, 1-ethyl-2-methyl-	* 7.00	J	0	0	ug/L
P5291-02	MW10D-20241213	Water	Benzene, 1-ethyl-3-methyl-	* 11.5	J	0	0	ug/L
P5291-02	MW10D-20241213	Water	n-propylbenzene	* 1.70	J	0.14	1.00	ug/L
P5291-02	MW10D-20241213	Water	1,3,5-Trimethylbenzene	* 6.30	J	0.18	1.00	ug/L
P5291-02	MW10D-20241213	Water	1,2,4-Trimethylbenzene	* 16.4	J	0.18	1.00	ug/L
P5291-02	MW10D-20241213	Water	Naphthalene	* 7.50	J	0.59	1.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Tics :				57.5				
Total Concentration:				153				
Client ID:	MW4-20241213							
P5291-03	MW4-20241213	Water	Acetone	5.30		1.40	5.00	ug/L
P5291-03	MW4-20241213	Water	Chloroform	5.40		0.26	1.00	ug/L
Total Voc :				10.7				
P5291-03	MW4-20241213	Water	Sulfur dioxide	* 5.40	J	0	0	ug/L
P5291-03	MW4-20241213	Water	Naphthalene	* 1.40	J	0.59	1.00	ug/L
Total Tics :				6.80				
Total Concentration:				17.5				
Client ID:	MW5-20241213							
P5291-04	MW5-20241213	Water	Acetone	7.30		1.40	5.00	ug/L
P5291-04	MW5-20241213	Water	Chloroform	0.93	J	0.26	1.00	ug/L
P5291-04	MW5-20241213	Water	4-Methyl-2-Pentanone	2.10	J	0.75	5.00	ug/L
Total Voc :				10.3				
P5291-04	MW5-20241213	Water	Naphthalene	* 1.20	J	0.59	1.00	ug/L
Total Tics :				1.20				
Total Concentration:				11.5				
Client ID:	MW2-20241213							
P5291-05	MW2-20241213	Water	Acetone	29.3		1.40	5.00	ug/L
P5291-05	MW2-20241213	Water	Cyclohexane	23.5		1.60	5.00	ug/L
P5291-05	MW2-20241213	Water	2-Butanone	6.00		1.30	5.00	ug/L
P5291-05	MW2-20241213	Water	Methylcyclohexane	32.8		0.19	1.00	ug/L
P5291-05	MW2-20241213	Water	Benzene	49.9		0.16	1.00	ug/L
P5291-05	MW2-20241213	Water	Toluene	5.00		0.18	1.00	ug/L
P5291-05	MW2-20241213	Water	Ethyl Benzene	220	E	0.16	1.00	ug/L
P5291-05	MW2-20241213	Water	m/p-Xylenes	240	E	0.31	2.00	ug/L
P5291-05	MW2-20241213	Water	o-Xylene	2.80		0.14	1.00	ug/L
P5291-05	MW2-20241213	Water	Isopropylbenzene	24.6		0.13	1.00	ug/L
Total Voc :				634				
P5291-05	MW2-20241213	Water	Pentane, 3-methyl-	* 39.3	J	0	0	ug/L
P5291-05	MW2-20241213	Water	Cyclopentane, methyl-	* 38.4	J	0	0	ug/L
P5291-05	MW2-20241213	Water	Pentane, 2-methyl-	* 29.0	J	0	0	ug/L
P5291-05	MW2-20241213	Water	Indane	* 81.3	J	0	0	ug/L
P5291-05	MW2-20241213	Water	o-Cymene	* 23.9	J	0	0	ug/L
P5291-05	MW2-20241213	Water	Benzene, 1-ethyl-2-methyl-	* 28.1	J	0	0	ug/L
P5291-05	MW2-20241213	Water	Indan, 1-methyl-	* 22.7	J	0	0	ug/L
P5291-05	MW2-20241213	Water	Benzene, 1-ethenyl-4-ethyl-	* 36.0	J	0	0	ug/L

Hit Summary Sheet
SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5291-05	MW2-20241213	Water	n-propylbenzene	* 52.9	J	0.14	1.00	ug/L
P5291-05	MW2-20241213	Water	1,3,5-Trimethylbenzene	* 55.4	J	0.18	1.00	ug/L
P5291-05	MW2-20241213	Water	1,2,4-Trimethylbenzene	* 190	J	0.18	1.00	ug/L
P5291-05	MW2-20241213	Water	p-Isopropyltoluene	* 1.10	J	0.15	1.00	ug/L
P5291-05	MW2-20241213	Water	n-Butylbenzene	* 6.20	J	0.22	1.00	ug/L
Total Tics :				604				
Total Concentration:				1240				
Client ID:	MW2-20241213DL							
P5291-05DL	MW2-20241213DL	Water	Acetone	33.3	D	7.00	25.0	ug/L
P5291-05DL	MW2-20241213DL	Water	Cyclohexane	29.6	D	8.10	25.0	ug/L
P5291-05DL	MW2-20241213DL	Water	2-Butanone	8.50	JD	6.50	25.0	ug/L
P5291-05DL	MW2-20241213DL	Water	Methylcyclohexane	30.7	D	0.95	5.00	ug/L
P5291-05DL	MW2-20241213DL	Water	Benzene	52.2	D	0.80	5.00	ug/L
P5291-05DL	MW2-20241213DL	Water	Toluene	5.30	D	0.90	5.00	ug/L
P5291-05DL	MW2-20241213DL	Water	Ethyl Benzene	230	D	0.80	5.00	ug/L
P5291-05DL	MW2-20241213DL	Water	m/p-Xylenes	260	D	1.60	10.0	ug/L
P5291-05DL	MW2-20241213DL	Water	o-Xylene	3.70	JD	0.70	5.00	ug/L
P5291-05DL	MW2-20241213DL	Water	Isopropylbenzene	22.9	D	0.65	5.00	ug/L
Total Voc :				676				
Total Concentration:				676				
Client ID:	MW3-20241213							
P5291-06	MW3-20241213	Water	Acetone	6.00		1.40	5.00	ug/L
P5291-06	MW3-20241213	Water	Cyclohexane	7.10		1.60	5.00	ug/L
P5291-06	MW3-20241213	Water	Chloroform	7.40		0.26	1.00	ug/L
P5291-06	MW3-20241213	Water	Methylcyclohexane	9.20		0.19	1.00	ug/L
P5291-06	MW3-20241213	Water	Toluene	130	E	0.18	1.00	ug/L
P5291-06	MW3-20241213	Water	Tetrachloroethene	0.53	J	0.25	1.00	ug/L
P5291-06	MW3-20241213	Water	Ethyl Benzene	570	E	0.16	1.00	ug/L
P5291-06	MW3-20241213	Water	m/p-Xylenes	970	E	0.31	2.00	ug/L
P5291-06	MW3-20241213	Water	o-Xylene	520	E	0.14	1.00	ug/L
P5291-06	MW3-20241213	Water	Isopropylbenzene	28.8		0.13	1.00	ug/L
Total Voc :				2250				
P5291-06	MW3-20241213	Water	Benzene, 1,2,3,4-tetramethyl-	* 8.90	J	0	0	ug/L
P5291-06	MW3-20241213	Water	Indane	* 57.1	J	0	0	ug/L
P5291-06	MW3-20241213	Water	Benzene, 1-ethyl-2-methyl-	* 34.7	J	0	0	ug/L
P5291-06	MW3-20241213	Water	Benzene, 1-ethyl-4-methyl-	* 34.8	J	0	0	ug/L
P5291-06	MW3-20241213	Water	3-Methylphenylacetylene	* 9.00	J	0	0	ug/L

Hit Summary Sheet
SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5291-06	MW3-20241213	Water	Benzene, (2-methyl-1-propenyl *	10.9	J	0	0	ug/L
P5291-06	MW3-20241213	Water	Benzene, 4-ethyl-1,2-dimethyl- *	9.80	J	0	0	ug/L
P5291-06	MW3-20241213	Water	Cyclobutane, ethenyl- *	13.8	J	0	0	ug/L
P5291-06	MW3-20241213	Water	Benzene, 1-ethenyl-4-ethyl- *	19.2	J	0	0	ug/L
P5291-06	MW3-20241213	Water	n-propylbenzene *	61.8	J	0.14	1.00	ug/L
P5291-06	MW3-20241213	Water	1,3,5-Trimethylbenzene *	120	J	0.18	1.00	ug/L
P5291-06	MW3-20241213	Water	1,2,4-Trimethylbenzene *	780	J	0.18	1.00	ug/L
P5291-06	MW3-20241213	Water	p-Isopropyltoluene *	2.40	J	0.15	1.00	ug/L
Total Tics :				1160				
Total Concentration:				3410				
Client ID:	MW3-20241213DL							
P5291-06DL	MW3-20241213DL	Water	Chloroform	12.3	JD	5.20	20.0	ug/L
P5291-06DL	MW3-20241213DL	Water	Methylcyclohexane	9.30	JD	3.80	20.0	ug/L
P5291-06DL	MW3-20241213DL	Water	Toluene	180	D	3.60	20.0	ug/L
P5291-06DL	MW3-20241213DL	Water	Ethyl Benzene	720	D	3.20	20.0	ug/L
P5291-06DL	MW3-20241213DL	Water	m/p-Xylenes	1300	D	6.20	40.0	ug/L
P5291-06DL	MW3-20241213DL	Water	o-Xylene	720	D	2.80	20.0	ug/L
P5291-06DL	MW3-20241213DL	Water	Isopropylbenzene	32.3	D	2.60	20.0	ug/L
Total Voc :				2970				
Total Concentration:				2970				
Client ID:	MW6-20241213							
P5291-07	MW6-20241213	Water	Acetone	14.7		1.40	5.00	ug/L
P5291-07	MW6-20241213	Water	Methyl tert-butyl Ether	9.00		0.16	1.00	ug/L
P5291-07	MW6-20241213	Water	Cyclohexane	14.7		1.60	5.00	ug/L
P5291-07	MW6-20241213	Water	Methylcyclohexane	23.9		0.19	1.00	ug/L
P5291-07	MW6-20241213	Water	Benzene	300	E	0.16	1.00	ug/L
P5291-07	MW6-20241213	Water	Toluene	67.3		0.18	1.00	ug/L
P5291-07	MW6-20241213	Water	Ethyl Benzene	120	E	0.16	1.00	ug/L
P5291-07	MW6-20241213	Water	m/p-Xylenes	300	E	0.31	2.00	ug/L
P5291-07	MW6-20241213	Water	o-Xylene	100	E	0.14	1.00	ug/L
P5291-07	MW6-20241213	Water	Isopropylbenzene	5.70		0.13	1.00	ug/L
Total Voc :				955				
P5291-07	MW6-20241213	Water	Butane, 2-methyl- *	31.1	J	0	0	ug/L
P5291-07	MW6-20241213	Water	Cyclopentane, methyl- *	20.7	J	0	0	ug/L
P5291-07	MW6-20241213	Water	p-Cymene *	17.8	J	0	0	ug/L
P5291-07	MW6-20241213	Water	Indane *	65.9	J	0	0	ug/L
P5291-07	MW6-20241213	Water	Benzene, 1-ethyl-2-methyl- *	52.4	J	0	0	ug/L

Hit Summary Sheet
SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5291-07	MW6-20241213	Water	Benzene, 1-ethyl-3-methyl-	* 21.5	J	0	0	ug/L
P5291-07	MW6-20241213	Water	Butane, 2-methoxy-2-methyl-	* 91.8	J	0	0	ug/L
P5291-07	MW6-20241213	Water	Benzene, 2-ethenyl-1,4-dimethyl-	* 21.4	J	0	0	ug/L
P5291-07	MW6-20241213	Water	Benzene, 1-ethenyl-3-ethyl-	* 17.1	J	0	0	ug/L
P5291-07	MW6-20241213	Water	n-propylbenzene	* 8.10	J	0.14	1.00	ug/L
P5291-07	MW6-20241213	Water	1,3,5-Trimethylbenzene	* 15.3	J	0.18	1.00	ug/L
P5291-07	MW6-20241213	Water	1,2,4-Trimethylbenzene	* 100	J	0.18	1.00	ug/L
P5291-07	MW6-20241213	Water	p-Isopropyltoluene	* 0.97	J	0.15	1.00	ug/L
Total Tics :				464				
Total Concentration:				1420				
Client ID:	MW6-20241213DL							
P5291-07DL	MW6-20241213DL	Water	Methyl tert-butyl Ether	8.70	JD	1.60	10.0	ug/L
P5291-07DL	MW6-20241213DL	Water	Methylcyclohexane	21.3	D	1.90	10.0	ug/L
P5291-07DL	MW6-20241213DL	Water	Benzene	340	D	1.60	10.0	ug/L
P5291-07DL	MW6-20241213DL	Water	Toluene	71.3	D	1.80	10.0	ug/L
P5291-07DL	MW6-20241213DL	Water	Ethyl Benzene	120	D	1.60	10.0	ug/L
P5291-07DL	MW6-20241213DL	Water	m/p-Xylenes	320	D	3.10	20.0	ug/L
P5291-07DL	MW6-20241213DL	Water	o-Xylene	100	D	1.40	10.0	ug/L
P5291-07DL	MW6-20241213DL	Water	Isopropylbenzene	5.70	JD	1.30	10.0	ug/L
Total Voc :				987				
Total Concentration:				987				
Client ID:	MW6-20241213-A							
P5291-10	MW6-20241213-A	Water	Acetone	14.1		1.40	5.00	ug/L
P5291-10	MW6-20241213-A	Water	Methyl tert-butyl Ether	8.30		0.16	1.00	ug/L
P5291-10	MW6-20241213-A	Water	Cyclohexane	14.7		1.60	5.00	ug/L
P5291-10	MW6-20241213-A	Water	Chloroform	1.70		0.26	1.00	ug/L
P5291-10	MW6-20241213-A	Water	Methylcyclohexane	23.3		0.19	1.00	ug/L
P5291-10	MW6-20241213-A	Water	Benzene	310	E	0.16	1.00	ug/L
P5291-10	MW6-20241213-A	Water	Toluene	70.5		0.18	1.00	ug/L
P5291-10	MW6-20241213-A	Water	Ethyl Benzene	130	E	0.16	1.00	ug/L
P5291-10	MW6-20241213-A	Water	m/p-Xylenes	320	E	0.31	2.00	ug/L
P5291-10	MW6-20241213-A	Water	o-Xylene	100	E	0.14	1.00	ug/L
P5291-10	MW6-20241213-A	Water	Isopropylbenzene	6.40		0.13	1.00	ug/L
Total Voc :				999				
P5291-10	MW6-20241213-A	Water	Butane, 2-methyl-	* 33.1	J	0	0	ug/L
P5291-10	MW6-20241213-A	Water	Cyclopentane, methyl-	* 20.7	J	0	0	ug/L
P5291-10	MW6-20241213-A	Water	Pentane, 2-methyl-	* 33.6	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5291-10	MW6-20241213-A	Water	Benzene, 1-ethyl-2-methyl-	* 52.8	J	0	0	ug/L
P5291-10	MW6-20241213-A	Water	Benzene, 1-ethyl-3-methyl-	* 23.7	J	0	0	ug/L
P5291-10	MW6-20241213-A	Water	(Z)-1-Phenylpropene	* 71.0	J	0	0	ug/L
P5291-10	MW6-20241213-A	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 18.9	J	0	0	ug/L
P5291-10	MW6-20241213-A	Water	Butane, 2-methoxy-2-methyl-	* 90.1	J	0	0	ug/L
P5291-10	MW6-20241213-A	Water	Benzene, 2-ethenyl-1,4-dimethyl-	* 23.1	J	0	0	ug/L
P5291-10	MW6-20241213-A	Water	n-propylbenzene	* 8.90	J	0.14	1.00	ug/L
P5291-10	MW6-20241213-A	Water	1,3,5-Trimethylbenzene	* 17.7	J	0.18	1.00	ug/L
P5291-10	MW6-20241213-A	Water	1,2,4-Trimethylbenzene	* 110	J	0.18	1.00	ug/L
P5291-10	MW6-20241213-A	Water	p-Isopropyltoluene	* 0.92	J	0.15	1.00	ug/L
Total Tics :				505				
Total Concentration:				1500				
Client ID:	MW6-20241213-ADL							
P5291-10DL	MW6-20241213-AI	Water	Methyl tert-butyl Ether	9.90	JD	1.60	10.0	ug/L
P5291-10DL	MW6-20241213-AI	Water	Methylcyclohexane	22.3	D	1.90	10.0	ug/L
P5291-10DL	MW6-20241213-AI	Water	Benzene	380	D	1.60	10.0	ug/L
P5291-10DL	MW6-20241213-AI	Water	Toluene	77.2	D	1.80	10.0	ug/L
P5291-10DL	MW6-20241213-AI	Water	Ethyl Benzene	130	D	1.60	10.0	ug/L
P5291-10DL	MW6-20241213-AI	Water	m/p-Xylenes	350	D	3.10	20.0	ug/L
P5291-10DL	MW6-20241213-AI	Water	o-Xylene	110	D	1.40	10.0	ug/L
P5291-10DL	MW6-20241213-AI	Water	Isopropylbenzene	5.50	JD	1.30	10.0	ug/L
Total Voc :				1080				
Total Concentration:				1080				
Client ID:	EQUIP-BLANK-20241213							
P5291-11	EQUIP-BLANK-20	Water	Acetone	5.90		1.40	5.00	ug/L
Total Voc :				5.90				
Total Concentration:				5.90				
Client ID:	TRIP BLANK							
P5291-12	TRIP BLANK	Water	Sulfur dioxide	* 8.80	J	0	0	ug/L
P5291-12	TRIP BLANK	Water	Naphthalene	* 4.20	J	0.59	1.00	ug/L
Total Tics :				13.0				
Total Concentration:				13.0				
Client ID:	WC-20241213							
P5291-13	WC-20241213	water	Acetone	20.3	J	1.40	25.0	ug/L
P5291-13	WC-20241213	water	Methyl tert-butyl Ether	1.20	J	0.16	5.00	ug/L
P5291-13	WC-20241213	water	Methylcyclohexane	4.30	J	0.19	5.00	ug/L
P5291-13	WC-20241213	water	Toluene	5.30		0.18	5.00	ug/L
P5291-13	WC-20241213	water	Ethyl Benzene	35.2		0.16	5.00	ug/L

Hit Summary Sheet
SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5291-13	WC-20241213	water	m/p-Xylenes	36.0		0.31	10.0	ug/L
P5291-13	WC-20241213	water	o-Xylene	18.6		0.14	5.00	ug/L
P5291-13	WC-20241213	water	Isopropylbenzene	7.50		0.13	5.00	ug/L
Total Voc :					128			
Total Concentration:					128			



QC SUMMARY

Surrogate Summary

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P5291-13	WC-20241213	1,2-Dichloroethane-d4	50	49.8	100	74	125
		Dibromofluoromethane	50	48.0	96	75	124
		Toluene-d8	50	48.5	97	86	113
		4-Bromofluorobenzene	50	50.0	100	77	121

Surrogate Summary

SDG No.: **P5291**

Client: **PARSONS Main of New York, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P5291-01	MW1A-20241213	1,2-Dichloroethane-d4	50	50.2	100	74	125
		Dibromofluoromethane	50	47.1	94	75	124
		Toluene-d8	50	47.8	96	86	113
		4-Bromofluorobenzene	50	44.7	89	77	121
P5291-02	MW10D-20241213	1,2-Dichloroethane-d4	50	50.0	100	74	125
		Dibromofluoromethane	50	49.7	99	75	124
		Toluene-d8	50	48.4	97	86	113
		4-Bromofluorobenzene	50	48.4	97	77	121
P5291-03	MW4-20241213	1,2-Dichloroethane-d4	50	49.9	100	74	125
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	48.1	96	86	113
		4-Bromofluorobenzene	50	45.4	91	77	121
P5291-04	MW5-20241213	1,2-Dichloroethane-d4	50	51.0	102	74	125
		Dibromofluoromethane	50	50.3	101	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	44.1	88	77	121
P5291-05	MW2-20241213	1,2-Dichloroethane-d4	50	45.9	92	74	125
		Dibromofluoromethane	50	46.9	94	75	124
		Toluene-d8	50	49.4	99	86	113
		4-Bromofluorobenzene	50	51.7	103	77	121
P5291-05DL	MW2-20241213DL	1,2-Dichloroethane-d4	50	49.2	98	74	125
		Dibromofluoromethane	50	48.3	97	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	47.3	95	77	121
P5291-06	MW3-20241213	1,2-Dichloroethane-d4	50	46.7	93	74	125
		Dibromofluoromethane	50	47.1	94	75	124
		Toluene-d8	50	49.8	100	86	113
		4-Bromofluorobenzene	50	52.3	104	77	121
P5291-06DL	MW3-20241213DL	1,2-Dichloroethane-d4	50	52.5	105	74	125
		Dibromofluoromethane	50	51.3	103	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	52.0	104	77	121
P5291-07	MW6-20241213	1,2-Dichloroethane-d4	50	48.0	96	74	125
		Dibromofluoromethane	50	47.5	95	75	124
		Toluene-d8	50	49.2	98	86	113
		4-Bromofluorobenzene	50	52.7	105	77	121
P5291-07DL	MW6-20241213DL	1,2-Dichloroethane-d4	50	50.0	100	74	125
		Dibromofluoromethane	50	48.6	97	75	124
		Toluene-d8	50	47.6	95	86	113
		4-Bromofluorobenzene	50	47.1	94	77	121
P5291-08MS	MW6-20241213MS	1,2-Dichloroethane-d4	50	50.7	101	74	125
		Dibromofluoromethane	50	50.5	101	75	124
		Toluene-d8	50	48.9	98	86	113
		4-Bromofluorobenzene	50	52.7	105	77	121
P5291-09MSD	MW6-20241213MSD	1,2-Dichloroethane-d4	50	48.9	98	74	125
		Dibromofluoromethane	50	49.1	98	75	124
		Toluene-d8	50	48.2	96	86	113
		4-Bromofluorobenzene	50	50.1	100	77	121
P5291-10	MW6-20241213-A	1,2-Dichloroethane-d4	50	45.1	90	74	125
		Dibromofluoromethane	50	46.4	93	75	124

Surrogate Summary

SDG No.: **P5291**

Client: **PARSONS Main of New York, Inc.**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P5291-10	MW6-20241213-A	Toluene-d8	50	49.4	99	86	113
		4-Bromofluorobenzene	50	50.8	102	77	121
P5291-10DL	MW6-20241213-ADL	1,2-Dichloroethane-d4	50	51.1	102	74	125
		Dibromofluoromethane	50	48.3	97	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	46.9	94	77	121
P5291-11	EQUIP-BLANK-20241213	1,2-Dichloroethane-d4	50	51.0	102	74	125
		Dibromofluoromethane	50	49.8	100	75	124
		Toluene-d8	50	47.6	95	86	113
		4-Bromofluorobenzene	50	42.0	84	77	121
P5291-12	TRIP BLANK	1,2-Dichloroethane-d4	50	47.8	96	74	125
		Dibromofluoromethane	50	49.8	100	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	45.9	92	77	121
VN1217WBL01	VN1217WBL01	1,2-Dichloroethane-d4	50	52.0	104	74	125
		Dibromofluoromethane	50	52.0	104	75	124
		Toluene-d8	50	49.0	98	86	113
		4-Bromofluorobenzene	50	41.6	83	77	121
VN1217WBS02	VN1217WBS02	1,2-Dichloroethane-d4	50	49.8	100	74	125
		Dibromofluoromethane	50	53.0	106	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	53.1	106	77	121
VN1218WBL01	VN1218WBL01	1,2-Dichloroethane-d4	50	51.3	103	74	125
		Dibromofluoromethane	50	51.5	103	75	124
		Toluene-d8	50	48.3	97	86	113
		4-Bromofluorobenzene	50	44.2	88	77	121
VN1218WBS01	VN1218WBS01	1,2-Dichloroethane-d4	50	53.0	106	74	125
		Dibromofluoromethane	50	51.9	104	75	124
		Toluene-d8	50	53.7	107	86	113
		4-Bromofluorobenzene	50	51.5	103	77	121

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec		RPD	RPD		Limits	
					Rec	Qual		Qual	Low	High	RPD
Lab Sample ID :	P5291-08MS	Client Sample ID :	MW6-20241213MS					Datafile :	VN085240.D		
Dichlorodifluoromethane	50	0	69.0	ug/L	138	*			73	120	
Chloromethane	50	0	50.8	ug/L	102				58	133	
Vinyl chloride	50	0	59.6	ug/L	119				69	125	
Bromomethane	50	0	50.5	ug/L	101				28	165	
Chloroethane	50	0	62.1	ug/L	124				70	141	
Trichlorofluoromethane	50	0	55.8	ug/L	112				72	124	
1,1,2-Trichlorotrifluoroethane	50	0	52.3	ug/L	105				75	117	
1,1-Dichloroethene	50	0	54.6	ug/L	109				53	162	
Acetone	250	14.7	320	ug/L	122				44	150	
Carbon disulfide	50	0	53.7	ug/L	107				44	135	
Methyl tert-butyl Ether	50	9.00	66.6	ug/L	115				82	133	
Methyl Acetate	50	0	52.2	ug/L	104				76	138	
Methylene Chloride	50	0	50.7	ug/L	101				79	115	
trans-1,2-Dichloroethene	50	0	52.1	ug/L	104				76	118	
1,1-Dichloroethane	50	0	51.8	ug/L	104				78	122	
Cyclohexane	50	14.7	65.1	ug/L	101				71	119	
2-Butanone	250	0	290	ug/L	116				67	137	
Carbon Tetrachloride	50	0	53.5	ug/L	107				66	133	
cis-1,2-Dichloroethene	50	0	52.0	ug/L	104				82	124	
Bromochloromethane	50	0	47.3	ug/L	95				72	130	
Chloroform	50	0	52.0	ug/L	104				83	119	
1,1,1-Trichloroethane	50	0	52.4	ug/L	105				83	117	
Methylcyclohexane	50	23.9	81.3	ug/L	115				64	120	
Benzene	50	300	390	ug/L	180	*			81	128	
1,2-Dichloroethane	50	0	50.8	ug/L	102				76	120	
Trichloroethene	50	0	52.3	ug/L	105				28	175	
1,2-Dichloropropane	50	0	48.7	ug/L	97				85	116	
Bromodichloromethane	50	0	52.4	ug/L	105				54	157	
4-Methyl-2-Pentanone	250	0	310	ug/L	124				72	137	
Toluene	50	67.3	130	ug/L	125	*			85	115	
t-1,3-Dichloropropene	50	0	51.9	ug/L	104				60	141	
cis-1,3-Dichloropropene	50	0	50.7	ug/L	101				36	161	
1,1,2-Trichloroethane	50	0	61.4	ug/L	123				27	175	
2-Hexanone	250	0	310	ug/L	124				75	131	
Dibromochloromethane	50	0	54.1	ug/L	108				59	164	
1,2-Dibromoethane	50	0	53.3	ug/L	107				85	119	
Tetrachloroethene	50	0	47.4	ug/L	95				48	153	
Chlorobenzene	50	0	48.9	ug/L	98				85	114	
Ethyl Benzene	50	120	190	ug/L	140	*			81	128	
m/p-Xylenes	100	300	460	ug/L	160	*			69	129	
o-Xylene	50	100	170	ug/L	140	*			75	127	
Styrene	50	0	60.2	ug/L	120				84	128	
Bromoform	50	0	56.0	ug/L	112				73	147	
Isopropylbenzene	50	5.70	60.9	ug/L	110				76	121	
1,1,2,2-Tetrachloroethane	50	0	48.2	ug/L	96				81	131	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Rec	Qual	RPD	Qual	Low	High	RPD
1,3-Dichlorobenzene	50	0	44.2	ug/L	88					84	110
1,4-Dichlorobenzene	50	0	42.9	ug/L	86					81	111
1,2-Dichlorobenzene	50	0	44.2	ug/L	88					82	113
1,2-Dibromo-3-Chloropropane	50	0	53.4	ug/L	107					79	137
1,2,4-Trichlorobenzene	50	0	42.0	ug/L	84					73	120
1,2,3-Trichlorobenzene	50	0	42.6	ug/L	85					75	119

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Limits											
Parameter	Spike	Sample	Result	Units	Rec			RPD		RPD	
		Result			Qual	RPD	Qual	Low	High		
Lab Sample ID :	P5291-09MSD	Client Sample ID :	MW6-20241213MSD					Datafile :	VN085241.D		
Dichlorodifluoromethane	50	0	70.5	ug/L	141	*	2		73	120	20
Chloromethane	50	0	48.5	ug/L	97		5		58	133	20
Vinyl chloride	50	0	61.1	ug/L	122		2		69	125	20
Bromomethane	50	0	53.8	ug/L	108		6		28	165	20
Chloroethane	50	0	54.0	ug/L	108		14		70	141	20
Trichlorofluoromethane	50	0	57.3	ug/L	115		3		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	54.1	ug/L	108		3		75	117	20
1,1-Dichloroethene	50	0	55.2	ug/L	110		1		53	162	20
Acetone	250	14.7	330	ug/L	126		3		44	150	20
Carbon disulfide	50	0	56.1	ug/L	112		4		44	135	20
Methyl tert-butyl Ether	50	9.00	67.7	ug/L	117		2		82	133	20
Methyl Acetate	50	0	52.6	ug/L	105		1		76	138	20
Methylene Chloride	50	0	51.7	ug/L	103		2		79	115	20
trans-1,2-Dichloroethene	50	0	53.6	ug/L	107		3		76	118	20
1,1-Dichloroethane	50	0	52.1	ug/L	104		1		78	122	20
Cyclohexane	50	14.7	66.2	ug/L	103		2		71	119	20
2-Butanone	250	0	310	ug/L	124		7		67	137	20
Carbon Tetrachloride	50	0	57.0	ug/L	114		6		66	133	20
cis-1,2-Dichloroethene	50	0	53.0	ug/L	106		2		82	124	20
Bromochloromethane	50	0	48.1	ug/L	96		2		72	130	20
Chloroform	50	0	52.9	ug/L	106		2		83	119	20
1,1,1-Trichloroethane	50	0	53.7	ug/L	107		2		83	117	20
Methylcyclohexane	50	23.9	86.0	ug/L	124	*	8		64	120	20
Benzene	50	300	380	ug/L	160	*	12		81	128	20
1,2-Dichloroethane	50	0	53.1	ug/L	106		4		76	120	20
Trichloroethene	50	0	54.7	ug/L	109		4		28	175	20
1,2-Dichloropropane	50	0	50.7	ug/L	101		4		85	116	20
Bromodichloromethane	50	0	54.8	ug/L	110		4		54	157	20
4-Methyl-2-Pentanone	250	0	330	ug/L	132		6		72	137	20
Toluene	50	67.3	130	ug/L	125	*	0		85	115	20
t-1,3-Dichloropropene	50	0	54.1	ug/L	108		4		60	141	20
cis-1,3-Dichloropropene	50	0	53.1	ug/L	106		5		36	161	20
1,1,2-Trichloroethane	50	0	64.0	ug/L	128		4		27	175	20
2-Hexanone	250	0	330	ug/L	132	*	6		75	131	20
Dibromochloromethane	50	0	56.0	ug/L	112		3		59	164	20
1,2-Dibromoethane	50	0	57.0	ug/L	114		7		85	119	20
Tetrachloroethene	50	0	50.3	ug/L	101		6		48	153	20
Chlorobenzene	50	0	50.8	ug/L	102		4		85	114	20
Ethyl Benzene	50	120	190	ug/L	140	*	0		81	128	20
m/p-Xylenes	100	300	450	ug/L	150	*	6		69	129	20
o-Xylene	50	100	170	ug/L	140	*	0		75	127	20
Styrene	50	0	61.5	ug/L	123		2		84	128	20
Bromoform	50	0	58.5	ug/L	117		4		73	147	20
Isopropylbenzene	50	5.70	65.4	ug/L	119		8		76	121	20
1,1,2,2-Tetrachloroethane	50	0	51.6	ug/L	103		7		81	131	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample	Result	Units	Rec			RPD	Limits		
		Result			Qual	RPD	Qual	Low	High	RPD	
1,3-Dichlorobenzene	50	0	47.7	ug/L	95		8		84	110	20
1,4-Dichlorobenzene	50	0	46.6	ug/L	93		8		81	111	20
1,2-Dichlorobenzene	50	0	47.4	ug/L	95		7		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	59.6	ug/L	119		11		79	137	20
1,2,4-Trichlorobenzene	50	0	47.4	ug/L	95		12		73	120	20
1,2,3-Trichlorobenzene	50	0	48.1	ug/L	96		12		75	119	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN085222.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1217WBS02	Dichlorodifluoromethane	20	27.3	ug/L	137		*	69	116	
	Chloromethane	20	18.8	ug/L	94			65	116	
	Vinyl chloride	20	21.8	ug/L	109			65	117	
	Bromomethane	20	25.2	ug/L	126		*	58	125	
	Chloroethane	20	21.4	ug/L	107			56	128	
	Trichlorofluoromethane	20	21.5	ug/L	108			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/L	103			80	112	
	1,1-Dichloroethene	20	19.4	ug/L	97			74	110	
	Acetone	100	100	ug/L	100			60	125	
	Carbon disulfide	20	19.9	ug/L	100			64	112	
	Methyl tert-butyl Ether	20	18.9	ug/L	95			78	114	
	Methyl Acetate	20	18.7	ug/L	94			67	125	
	Methylene Chloride	20	18.2	ug/L	91			72	114	
	trans-1,2-Dichloroethene	20	19.4	ug/L	97			75	108	
	1,1-Dichloroethane	20	19.2	ug/L	96			78	112	
	Cyclohexane	20	18.9	ug/L	95			75	110	
	2-Butanone	100	94.9	ug/L	95			65	122	
	Carbon Tetrachloride	20	21.9	ug/L	110			77	113	
	cis-1,2-Dichloroethene	20	18.9	ug/L	95			77	110	
	Bromochloromethane	20	18.4	ug/L	92			70	124	
	Chloroform	20	18.9	ug/L	95			79	113	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			80	108	
	Methylcyclohexane	20	20.9	ug/L	104			72	115	
	Benzene	20	20.4	ug/L	102			82	109	
	1,2-Dichloroethane	20	20.2	ug/L	101			80	115	
	Trichloroethene	20	20.6	ug/L	103			77	113	
	1,2-Dichloropropane	20	19.7	ug/L	99			83	111	
	Bromodichloromethane	20	21.0	ug/L	105			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	21.1	ug/L	106			82	110	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			79	110	
	cis-1,3-Dichloropropene	20	20.1	ug/L	101			82	110	
	1,1,2-Trichloroethane	20	20.9	ug/L	104			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	21.0	ug/L	105			82	110	
	1,2-Dibromoethane	20	20.8	ug/L	104			81	110	
	Tetrachloroethene	20	20.8	ug/L	104			67	123	
	Chlorobenzene	20	19.1	ug/L	96			82	109	
	Ethyl Benzene	20	19.8	ug/L	99			83	109	
	m/p-Xylenes	40	41.8	ug/L	104			82	110	
	o-Xylene	20	19.9	ug/L	100			83	109	
	Styrene	20	20.3	ug/L	102			80	111	
	Bromoform	20	21.4	ug/L	107			79	109	
	Isopropylbenzene	20	19.7	ug/L	99			83	112	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			76	118	
	1,3-Dichlorobenzene	20	17.2	ug/L	86			82	108	
	1,4-Dichlorobenzene	20	17.3	ug/L	86			82	107	
	1,2-Dichlorobenzene	20	17.4	ug/L	87			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN085222.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN1217WBS02	1,2-Dibromo-3-Chloropropane	20	18.6	ug/L	93			68	112	
	1,2,4-Trichlorobenzene	20	15.5	ug/L	78			75	113	
	1,2,3-Trichlorobenzene	20	16.5	ug/L	83			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN085255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1218WBS01	Dichlorodifluoromethane	20	22.6	ug/L	113			69	116	
	Chloromethane	20	19.7	ug/L	99			65	116	
	Vinyl chloride	20	21.6	ug/L	108			65	117	
	Bromomethane	20	21.6	ug/L	108			58	125	
	Chloroethane	20	24.3	ug/L	121			56	128	
	Trichlorofluoromethane	20	21.4	ug/L	107			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/L	103			80	112	
	1,1-Dichloroethene	20	20.1	ug/L	101			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	18.9	ug/L	95			64	112	
	Methyl tert-butyl Ether	20	21.2	ug/L	106			78	114	
	Methyl Acetate	20	20.7	ug/L	104			67	125	
	Methylene Chloride	20	21.2	ug/L	106			72	114	
	trans-1,2-Dichloroethene	20	20.5	ug/L	103			75	108	
	1,1-Dichloroethane	20	20.9	ug/L	104			78	112	
	Cyclohexane	20	20.0	ug/L	100			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	20.3	ug/L	102			77	113	
	cis-1,2-Dichloroethene	20	20.0	ug/L	100			77	110	
	Bromochloromethane	20	23.9	ug/L	119			70	124	
	Chloroform	20	20.5	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	21.2	ug/L	106			80	108	
	Methylcyclohexane	20	19.7	ug/L	99			72	115	
	Benzene	20	21.0	ug/L	105			82	109	
	1,2-Dichloroethane	20	21.2	ug/L	106			80	115	
	Trichloroethene	20	19.3	ug/L	97			77	113	
	1,2-Dichloropropane	20	20.7	ug/L	104			83	111	
	Bromodichloromethane	20	20.6	ug/L	103			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	21.2	ug/L	106			82	110	
	t-1,3-Dichloropropene	20	21.1	ug/L	106			79	110	
	cis-1,3-Dichloropropene	20	20.7	ug/L	104			82	110	
	1,1,2-Trichloroethane	20	21.5	ug/L	108			83	112	
	2-Hexanone	100	120	ug/L	120		*	73	117	
	Dibromochloromethane	20	21.4	ug/L	107			82	110	
	1,2-Dibromoethane	20	20.7	ug/L	104			81	110	
	Tetrachloroethene	20	19.2	ug/L	96			67	123	
	Chlorobenzene	20	20.4	ug/L	102			82	109	
	Ethyl Benzene	20	20.5	ug/L	103			83	109	
	m/p-Xylenes	40	42.0	ug/L	105			82	110	
	o-Xylene	20	20.5	ug/L	103			83	109	
	Styrene	20	21.4	ug/L	107			80	111	
	Bromoform	20	21.4	ug/L	107			79	109	
	Isopropylbenzene	20	20.3	ug/L	102			83	112	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/L	99			76	118	
	1,3-Dichlorobenzene	20	19.4	ug/L	97			82	108	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			82	107	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5291

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN085255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN1218WBS01	1,2-Dibromo-3-Chloropropane	20	21.9	ug/L	110			68	112	
	1,2,4-Trichlorobenzene	20	17.2	ug/L	86			75	113	
	1,2,3-Trichlorobenzene	20	17.6	ug/L	88			76	114	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1217WBL01

Lab Name: CHEMTECH

Contract: PARS02

Lab Code: CHEM Case No.: P5291

SAS No.: P5291 SDG NO.: P5291

Lab File ID: VN085220.D

Lab Sample ID: VN1217WBL01

Date Analyzed: 12/17/2024

Time Analyzed: 13:08

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
VN1217WBS02	VN1217WBS02	VN085222.D	12/17/2024
TRIP BLANK	P5291-12	VN085228.D	12/17/2024
MW10D-20241213	P5291-02	VN085230.D	12/17/2024
MW4-20241213	P5291-03	VN085231.D	12/17/2024
MW5-20241213	P5291-04	VN085232.D	12/17/2024
MW2-20241213	P5291-05	VN085233.D	12/17/2024
MW3-20241213	P5291-06	VN085234.D	12/17/2024
MW6-20241213-A	P5291-10	VN085235.D	12/17/2024
WC-20241213	P5291-13	VN085237.D	12/17/2024
MW1A-20241213	P5291-01	VN085238.D	12/17/2024
MW6-20241213	P5291-07	VN085239.D	12/17/2024
MW6-20241213MS	P5291-08MS	VN085240.D	12/17/2024
MW6-20241213MSD	P5291-09MSD	VN085241.D	12/17/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1218WBL01

Lab Name: CHEMTECH

Contract: PARS02

Lab Code: CHEM Case No.: P5291

SAS No.: P5291 SDG NO.: P5291

Lab File ID: VN085254.D

Lab Sample ID: VN1218WBL01

Date Analyzed: 12/18/2024

Time Analyzed: 16:26

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
VN1218WBS01	VN1218WBS01	VN085255.D	12/18/2024
MW2-20241213DL	P5291-05DL	VN085257.D	12/18/2024
MW6-20241213DL	P5291-07DL	VN085258.D	12/18/2024
MW6-20241213-ADL	P5291-10DL	VN085259.D	12/18/2024
MW3-20241213DL	P5291-06DL	VN085260.D	12/18/2024
EQUIP-BLANK-20241213	P5291-11	VN085261.D	12/18/2024

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: PARS02
Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291
Lab File ID: VN085003.D BFB Injection Date: 11/22/2024
Instrument ID: MSVOA_N BFB Injection Time: 09:29
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	19.7
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.7 (96.2) 1
177	5.0 - 9.0% of mass 176	4.6 (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
VSTDICC100	VSTDICC100	VN085005.D	11/22/2024	11:22
VSTDICCC050	VSTDICCC050	VN085006.D	11/22/2024	11:46
VSTDICC020	VSTDICC020	VN085007.D	11/22/2024	12:10
VSTDICC010	VSTDICC010	VN085008.D	11/22/2024	12:34
VSTDICC005	VSTDICC005	VN085009.D	11/22/2024	12:57
VSTDICC001	VSTDICC001	VN085010.D	11/22/2024	13:45



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PARS02
Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291
Lab File ID: VN085217.D BFB Injection Date: 12/17/2024
Instrument ID: MSVOA_N BFB Injection Time: 11:36
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	19.3
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	79.3
175	5.0 - 9.0% of mass 174	6.3 (7.9) 1
176	95.0 - 101.0% of mass 174	75.4 (95) 1
177	5.0 - 9.0% of mass 176	5 (6.7) 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	VN085218.D	12/17/2024	12:10
VN1217WBL01	VN1217WBL01	VN085220.D	12/17/2024	13:08
VN1217WBS02	VN1217WBS02	VN085222.D	12/17/2024	14:09
TRIP BLANK	P5291-12	VN085228.D	12/17/2024	16:45
MW10D-20241213	P5291-02	VN085230.D	12/17/2024	17:33
MW4-20241213	P5291-03	VN085231.D	12/17/2024	17:57
MW5-20241213	P5291-04	VN085232.D	12/17/2024	18:21
MW2-20241213	P5291-05	VN085233.D	12/17/2024	18:46
MW3-20241213	P5291-06	VN085234.D	12/17/2024	19:10
MW6-20241213-A	P5291-10	VN085235.D	12/17/2024	19:34
WC-20241213	P5291-13	VN085237.D	12/17/2024	20:22
MW1A-20241213	P5291-01	VN085238.D	12/17/2024	20:47
MW6-20241213	P5291-07	VN085239.D	12/17/2024	21:11
MW6-20241213MS	P5291-08MS	VN085240.D	12/17/2024	21:35
MW6-20241213MSD	P5291-09MSD	VN085241.D	12/17/2024	21:59



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PARS02
Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291
Lab File ID: VN085243.D BFB Injection Date: 12/18/2024
Instrument ID: MSVOA_N BFB Injection Time: 08:37
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	24.7
75	30.0 - 60.0% of mass 95	57.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	77.6
175	5.0 - 9.0% of mass 174	6.5 (8.3) 1
176	95.0 - 101.0% of mass 174	77.1 (99.4) 1
177	5.0 - 9.0% of mass 176	4.9 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085245.D	12/18/2024	11:56
VSTDICCC050	VSTDICCC050	VN085246.D	12/18/2024	12:20
VSTDICC020	VSTDICC020	VN085247.D	12/18/2024	12:44
VSTDICC010	VSTDICC010	VN085248.D	12/18/2024	13:08
VSTDICC005	VSTDICC005	VN085249.D	12/18/2024	13:33
VSTDICC001	VSTDICC001	VN085250.D	12/18/2024	13:57
VN1218WBL01	VN1218WBL01	VN085254.D	12/18/2024	16:26
VN1218WBS01	VN1218WBS01	VN085255.D	12/18/2024	16:50
MW2-20241213DL	P5291-05DL	VN085257.D	12/18/2024	17:56
MW6-20241213DL	P5291-07DL	VN085258.D	12/18/2024	18:20
MW6-20241213-ADL	P5291-10DL	VN085259.D	12/18/2024	18:44
MW3-20241213DL	P5291-06DL	VN085260.D	12/18/2024	19:09
EQUIP-BLANK-20241213	P5291-11	VN085261.D	12/18/2024	19:33

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PARS02
Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291
Lab File ID: VN085218.D Date Analyzed: 12/17/2024
Instrument ID: MSVOA_N Time Analyzed: 12:10
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	147251	8.22	228600	9.10	208199	11.87
UPPER LIMIT	294502	8.724	457200	9.6	416398	12.365
LOWER LIMIT	73625.5	7.724	114300	8.6	104100	11.365
EPA SAMPLE NO.						
MW1A-20241213	155987	8.22	275076	9.10	228027	11.87
MW10D-20241213	152528	8.22	264985	9.10	231478	11.87
MW4-20241213	149610	8.23	257512	9.10	222900	11.87
MW5-20241213	141905	8.22	245442	9.10	214558	11.87
MW2-20241213	158597	8.22	265854	9.10	235312	11.87
MW3-20241213	159032	8.22	268182	9.10	244638	11.87
MW6-20241213	159121	8.22	272871	9.10	245552	11.87
MW6-20241213MS	150098	8.22	255819	9.10	227606	11.87
MW6-20241213MSD	153484	8.22	255174	9.10	228107	11.87
MW6-20241213-A	165547	8.22	273247	9.10	242177	11.87
TRIP BLANK	167979	8.22	282377	9.10	248528	11.87
WC-20241213	147129	8.22	259253	9.10	224725	11.87
VN1217WBL01	142158	8.22	245850	9.10	212586	11.87
VN1217WBS02	156058	8.22	250626	9.10	224078	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PARS02
Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291
Lab File ID: VN085218.D Date Analyzed: 12/17/2024
Instrument ID: MSVOA_N Time Analyzed: 12:10
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	110571	13.788				
UPPER LIMIT	221142	14.288				
LOWER LIMIT	55285.5	13.288				
EPA SAMPLE NO.						
MW1A-20241213	95605	13.79				
MW10D-20241213	104054	13.79				
MW4-20241213	91999	13.79				
MW5-20241213	86832	13.79				
MW2-20241213	108758	13.79				
MW3-20241213	108555	13.79				
MW6-20241213	111275	13.79				
MW6-20241213MS	111390	13.79				
MW6-20241213MSD	107049	13.79				
MW6-20241213-A	107107	13.79				
TRIP BLANK	101465	13.79				
WC-20241213	99799	13.79				
VN1217WBL01	80399	13.79				
VN1217WBS02	109988	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PARS02
Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291
Lab File ID: VN085246.D Date Analyzed: 12/18/2024
Instrument ID: MSVOA_N Time Analyzed: 12:20
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	130776	8.22	226121	9.10	202175	11.87
UPPER LIMIT	261552	8.718	452242	9.6	404350	12.365
LOWER LIMIT	65388	7.718	113061	8.6	101088	11.365
EPA SAMPLE NO.						
MW2-20241213DL	99052	8.23	179932	9.10	153337	11.87
MW3-20241213DL	93760	8.22	172552	9.10	156849	11.87
MW6-20241213DL	100325	8.22	186563	9.10	158147	11.87
MW6-20241213-ADL	96192	8.22	181407	9.10	156548	11.86
EQUIP-BLANK-20241213	102235	8.22	187663	9.10	161222	11.87
VN1218WBL01	94664	8.22	169703	9.10	150910	11.87
VN1218WBS01	104586	8.22	185338	9.10	167159	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PARS02
 Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG NO.: P5291
 Lab File ID: VN085246.D Date Analyzed: 12/18/2024
 Instrument ID: MSVOA_N Time Analyzed: 12:20
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	98582	13.788				
UPPER LIMIT	197164	14.288				
LOWER LIMIT	49291	13.288				
EPA SAMPLE NO.						
MW2-20241213DL	70062	13.79				
MW3-20241213DL	73363	13.79				
MW6-20241213DL	68008	13.79				
MW6-20241213-ADL	70463	13.79				
EQUIP-BLANK-20241213	62465	13.79				
VN1218WBL01	59088	13.79				
VN1218WBS01	82237	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.



SAMPLE DATA

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW1A-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085238.D	1		12/17/24 20:47	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	UQ	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	UQ	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
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	3.90	J	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	2.00		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	81.7		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	2.10	J	0.75	5.00	ug/L
108-88-3	Toluene	0.88	J	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW1A-20241213			SDG No.:	P5291
Lab Sample ID:	P5291-01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085238.D	1		12/17/24 20:47	VN121724

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW1A-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085238.D	1		12/17/24 20:47	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000994-05-8	Butane, 2-methoxy-2-methyl-	20.7	J		8.78	ug/L
103-65-1	n-propylbenzene	0.43	J		13.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.21	J		13.2	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.98	J		13.5	ug/L
91-20-3	Naphthalene	5.20	J		15.6	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085238.D
 Acq On : 17 Dec 2024 20:47
 Operator : JC\MD
 Sample : P5291-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1A-20241213

Quant Time: Dec 18 00:42:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

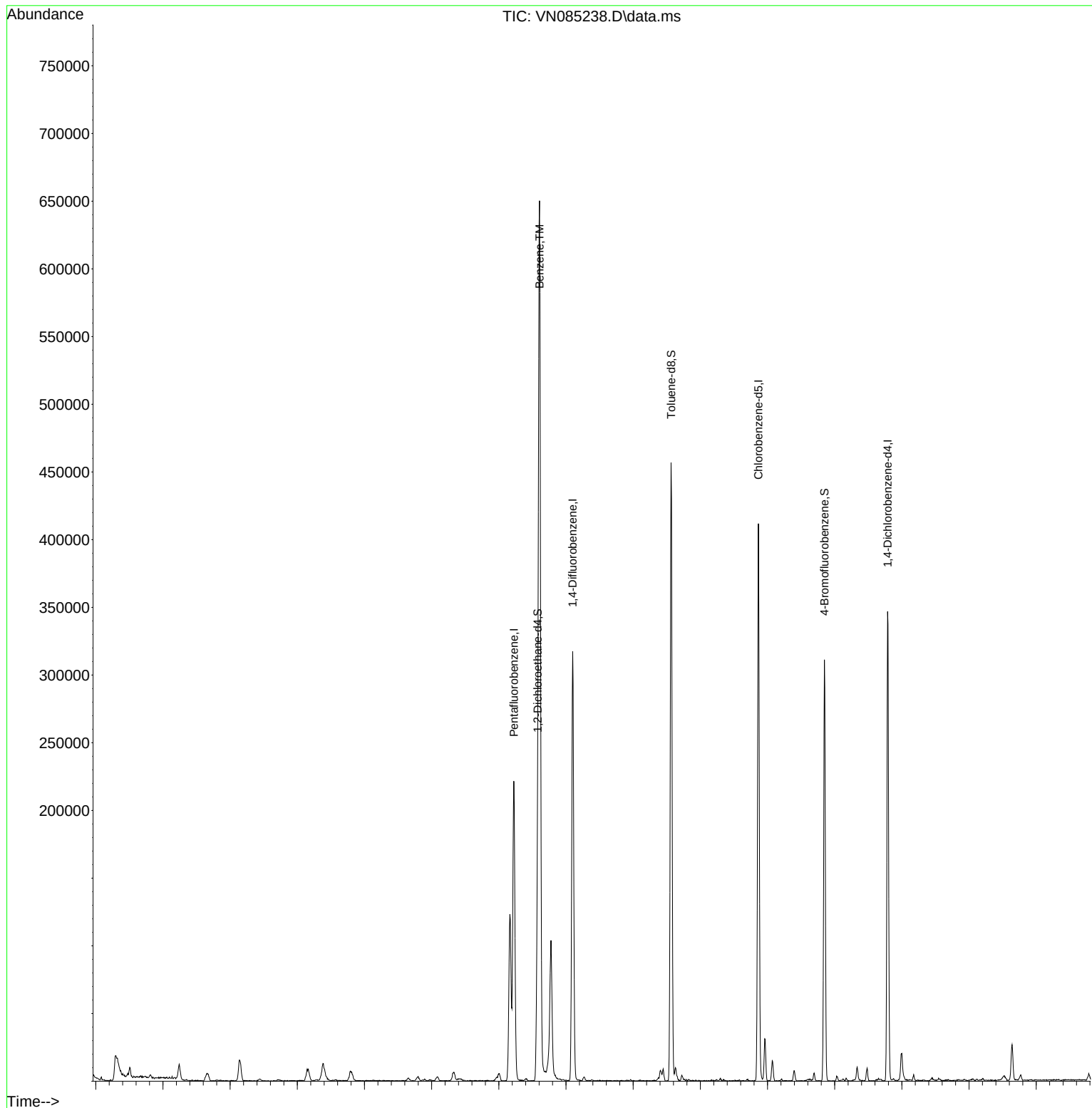
Internal Standards						
1) Pentafluorobenzene	8.224	168	155987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	275076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	95605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111606	50.229	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	100.460%	
35) Dibromofluoromethane	8.165	113	87453	47.144	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	94.280%	
50) Toluene-d8	10.565	98	317865	47.814	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	95.620%	
62) 4-Bromofluorobenzene	12.847	95	111097	44.687	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	89.380%	
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	2532	3.913	ug/l #	72
19) Methyl tert-butyl Ether	5.783	73	10696	1.977	ug/l #	84
40) Benzene	8.606	78	649012	81.668	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	4564	2.106	ug/l	91
52) Toluene	10.623	92	4143	0.881	ug/l	99
67) Ethyl Benzene	11.959	91	22820	2.720	ug/l	90
68) m/p-Xylenes	12.070	106	4951	1.550	ug/l	96
69) o-Xylene	12.400	106	2310	0.760	ug/l	100
73) Isopropylbenzene	12.694	105	3836	0.569	ug/l	99
78) n-propylbenzene	13.029	91	3344	0.430	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	1173	0.207	ug/l	88
84) 1,2,4-Trimethylbenzene	13.482	105	5698	0.978	ug/l	91
95) Naphthalene	15.641	128	27385	5.159	ug/l	99

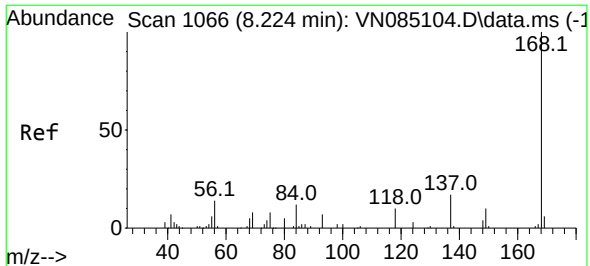
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085238.D
Acq On : 17 Dec 2024 20:47
Operator : JC\MD
Sample : P5291-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1A-20241213

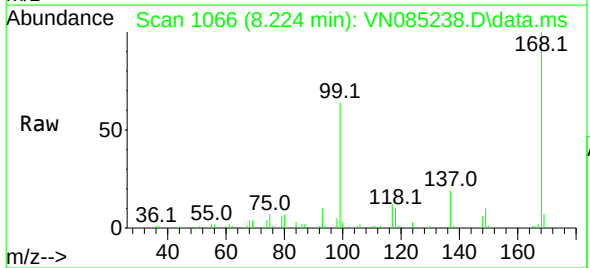
Quant Time: Dec 18 00:42:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



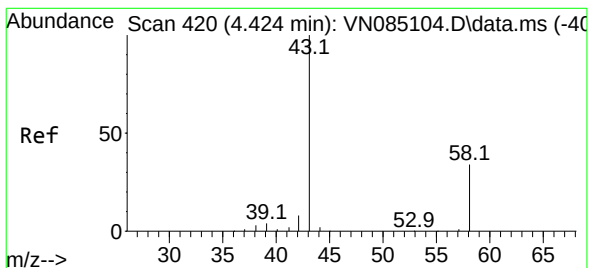
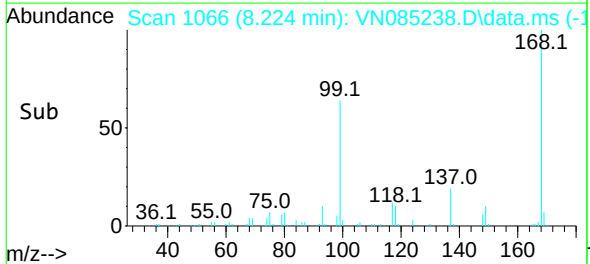
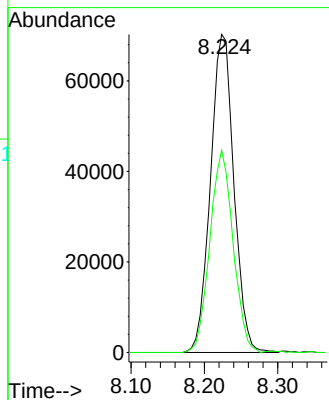


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085238.D
Acq: 17 Dec 2024 20:47

Instrument :
MSVOA_N
ClientSampleId :
MW1A-20241213

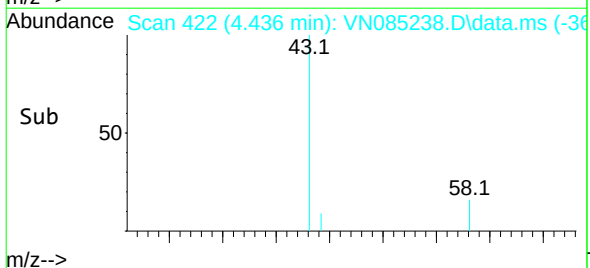
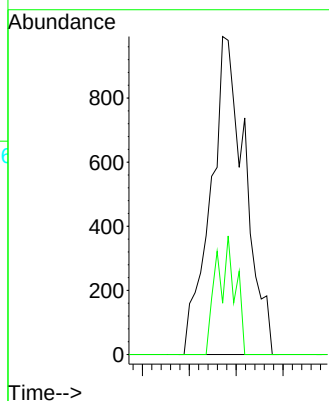
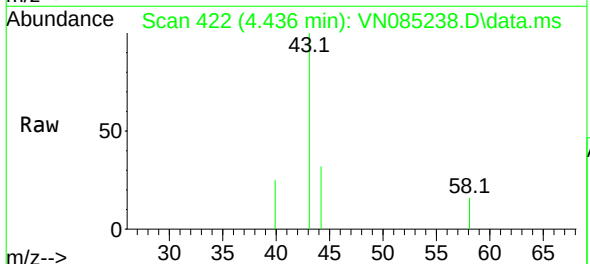


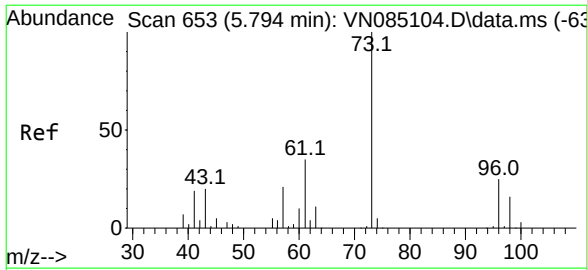
Tgt Ion:168 Resp: 155987
Ion Ratio Lower Upper
168 100
99 63.6 51.2 76.8



#16
Acetone
Concen: 3.913 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN085238.D
Acq: 17 Dec 2024 20:47

Tgt Ion: 43 Resp: 2532
Ion Ratio Lower Upper
43 100
58 16.1 25.4 38.2#





#19

Methyl tert-butyl Ether

Concen: 1.977 ug/l

RT: 5.783 min Scan# 65

Delta R.T. -0.006 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

Instrument :

MSVOA_N

ClientSampleId :

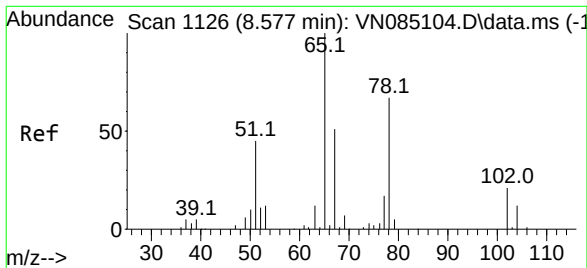
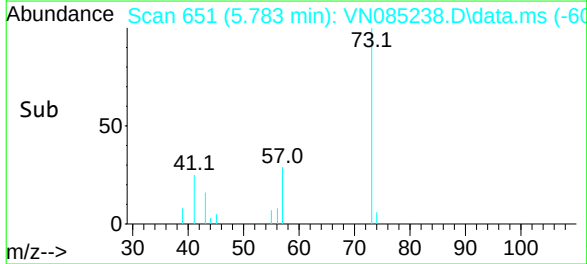
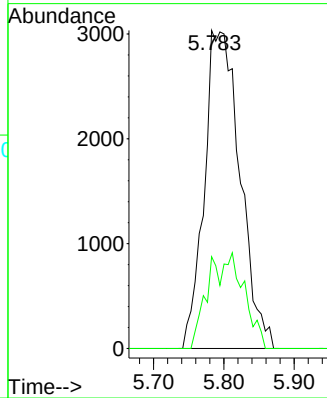
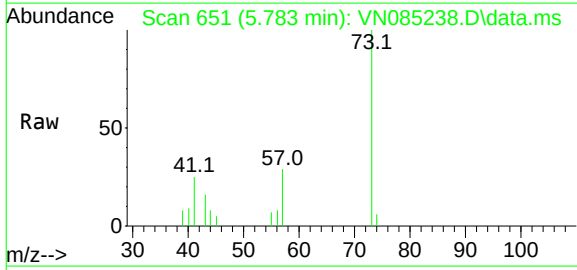
MW1A-20241213

Tgt Ion: 73 Resp: 10696

Ion Ratio Lower Upper

73 100

57 28.8 17.0 25.4#



#33

1,2-Dichloroethane-d4

Concen: 50.229 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085238.D

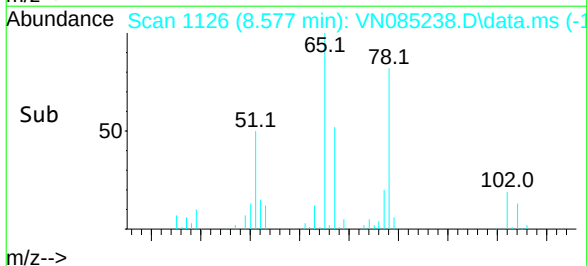
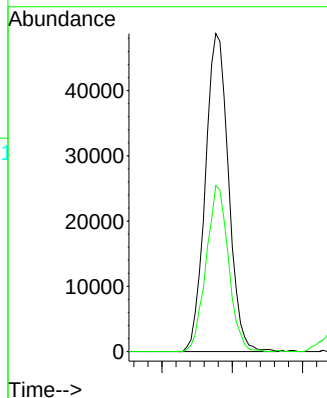
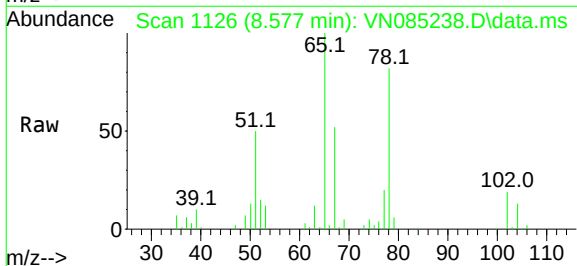
Acq: 17 Dec 2024 20:47

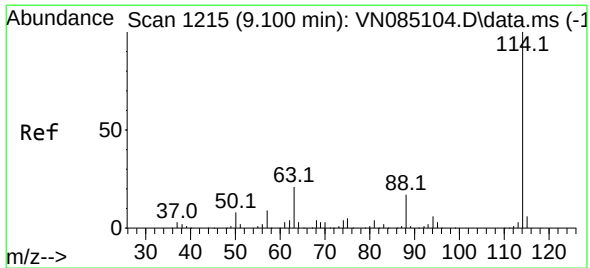
Tgt Ion: 65 Resp: 111606

Ion Ratio Lower Upper

65 100

67 50.3 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

Instrument :

MSVOA_N

ClientSampleId :

MW1A-20241213

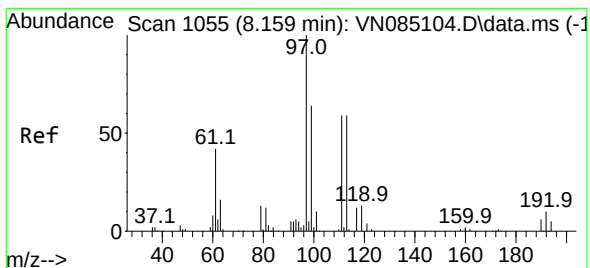
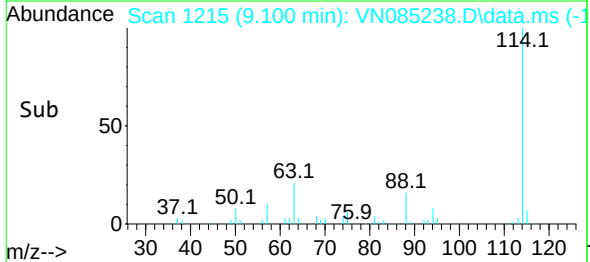
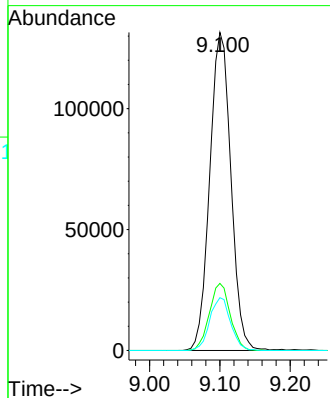
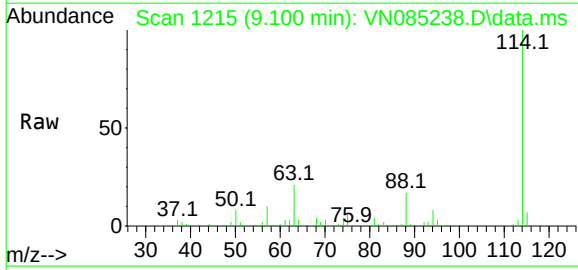
Tgt Ion:114 Resp: 275076

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.0

88 16.6 0.0 34.8



#35

Dibromofluoromethane

Concen: 47.144 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

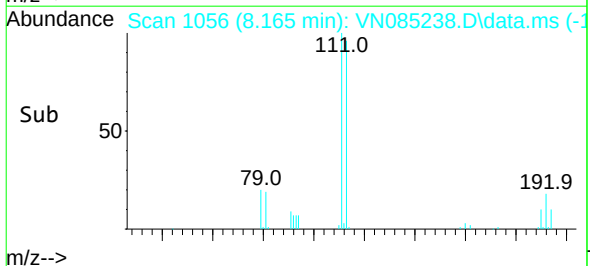
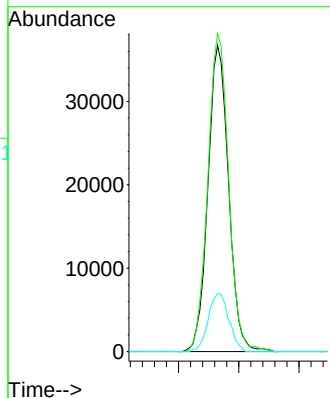
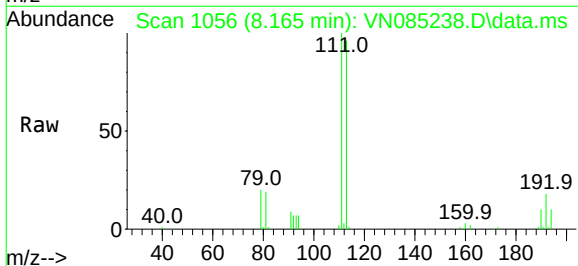
Tgt Ion:113 Resp: 87453

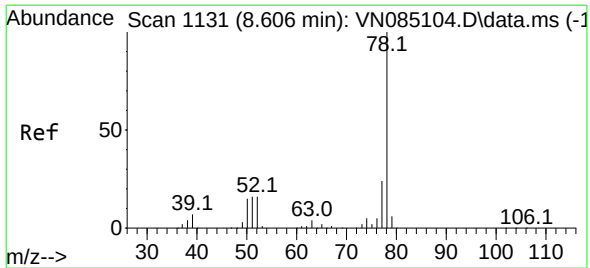
Ion Ratio Lower Upper

113 100

111 104.7 82.0 123.0

192 19.0 14.8 22.2





#40

Benzene

Concen: 81.668 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

Instrument :

MSVOA_N

ClientSampleId :

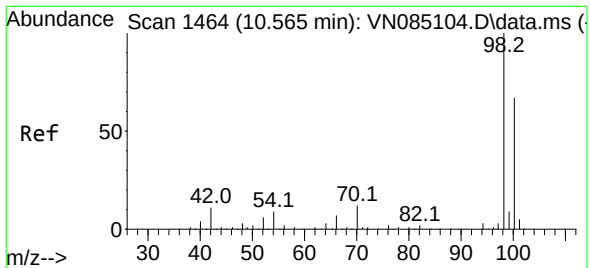
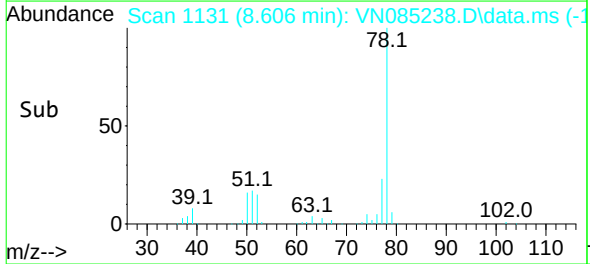
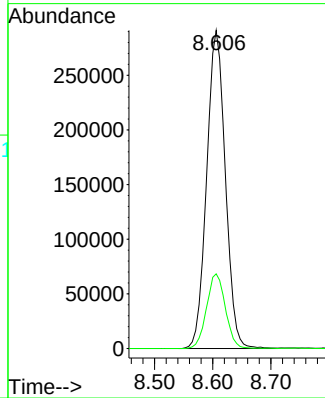
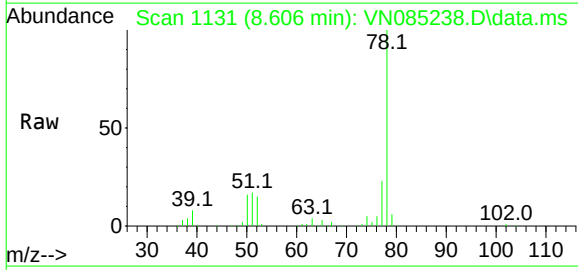
MW1A-20241213

Tgt Ion: 78 Resp: 649012

Ion Ratio Lower Upper

78 100

77 23.5 18.5 27.7



#50

Toluene-d8

Concen: 47.814 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085238.D

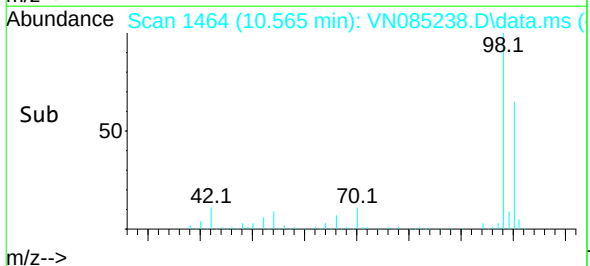
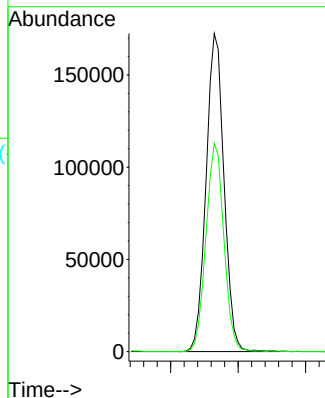
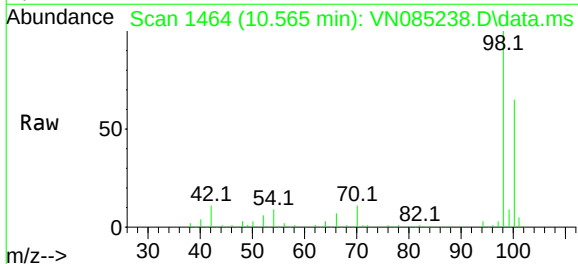
Acq: 17 Dec 2024 20:47

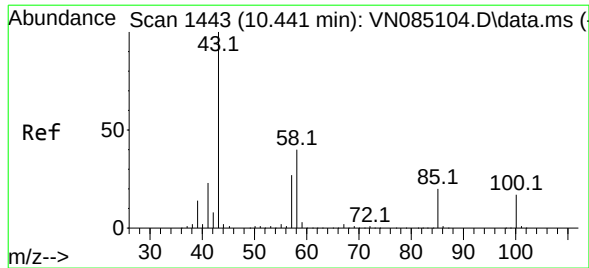
Tgt Ion: 98 Resp: 317865

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

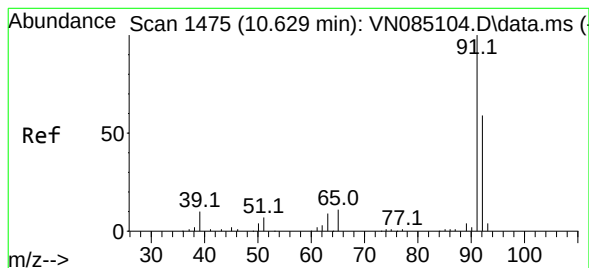
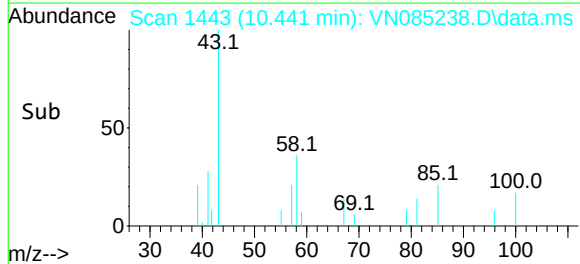
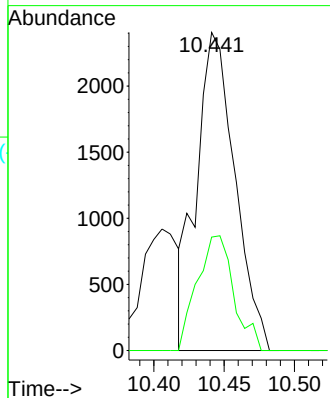
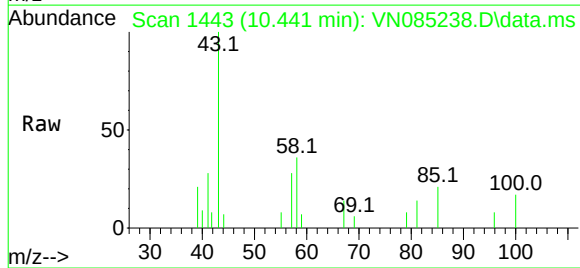




#51
4-Methyl-2-Pentanone
Concen: 2.106 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085238.D
Acq: 17 Dec 2024 20:47

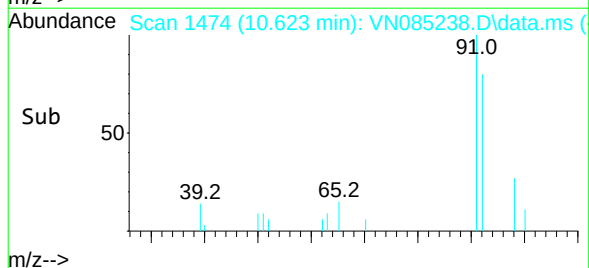
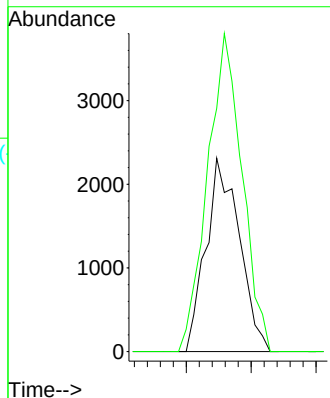
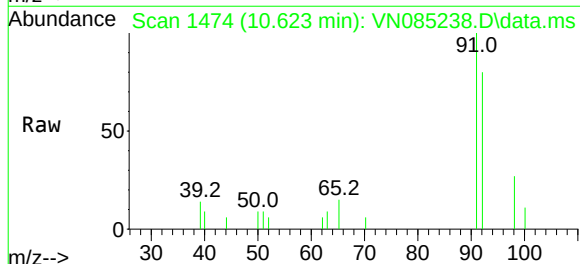
Instrument :
MSVOA_N
ClientSampleId :
MW1A-20241213

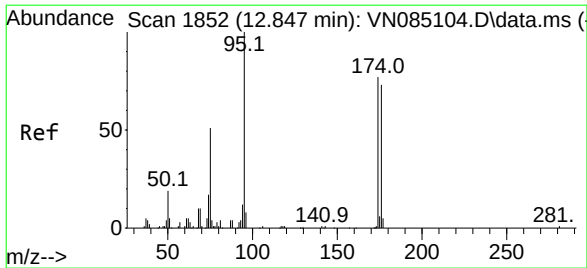
Tgt Ion: 43 Resp: 4564
Ion Ratio Lower Upper
43 100
58 34.5 32.1 48.1



#52
Toluene
Concen: 0.881 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.000 min
Lab File: VN085238.D
Acq: 17 Dec 2024 20:47

Tgt Ion: 92 Resp: 4143
Ion Ratio Lower Upper
92 100
91 169.8 136.7 205.1





#62

4-Bromofluorobenzene

Concen: 44.687 ug/l

RT: 12.847 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

Instrument :

MSVOA_N

ClientSampleId :

MW1A-20241213

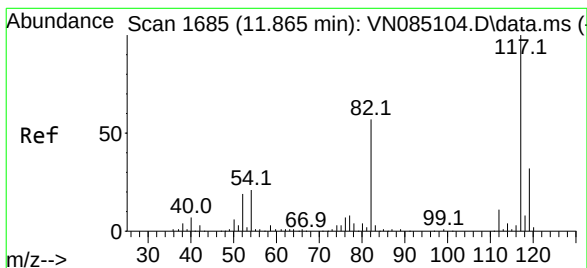
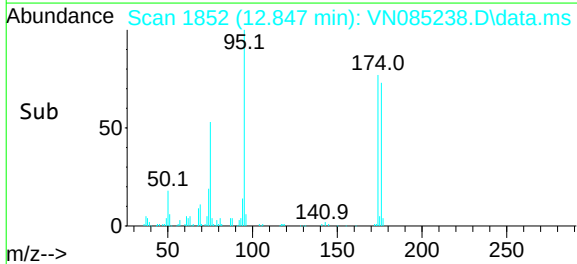
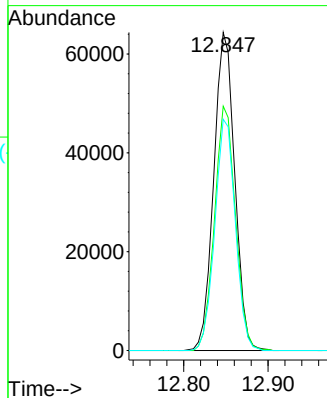
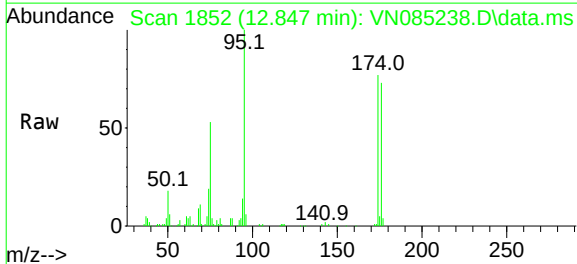
Tgt Ion: 95 Resp: 111097

Ion Ratio Lower Upper

95 100

174 76.8 0.0 146.6

176 71.3 0.0 141.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

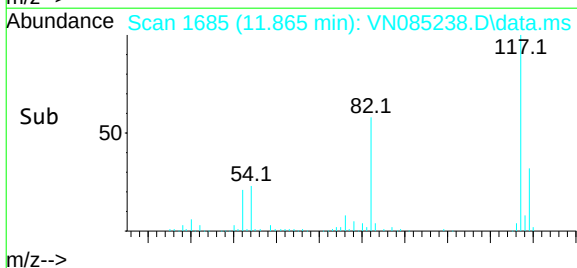
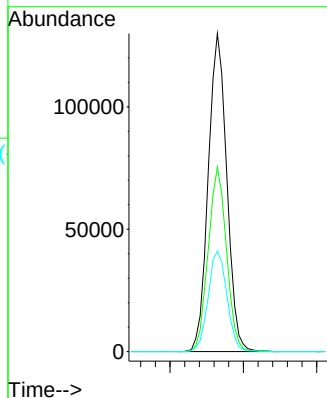
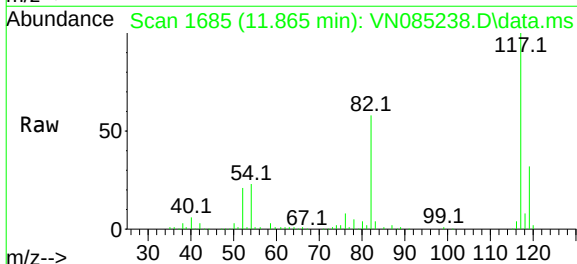
Tgt Ion: 117 Resp: 228027

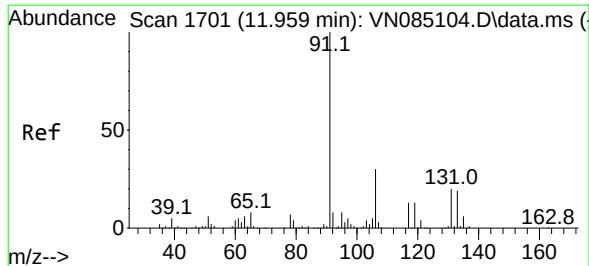
Ion Ratio Lower Upper

117 100

82 57.9 46.0 69.0

119 31.6 25.6 38.4





#67

Ethyl Benzene

Concen: 2.720 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

Instrument :

MSVOA_N

ClientSampleId :

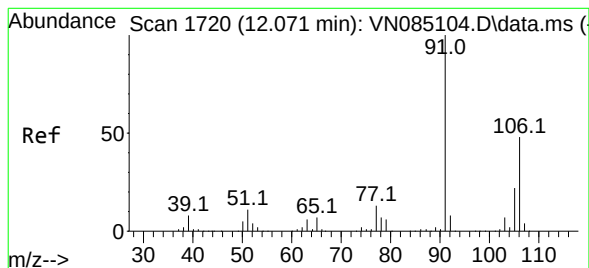
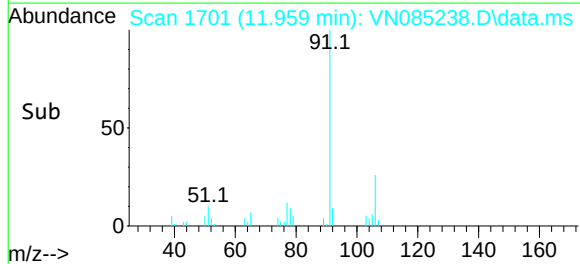
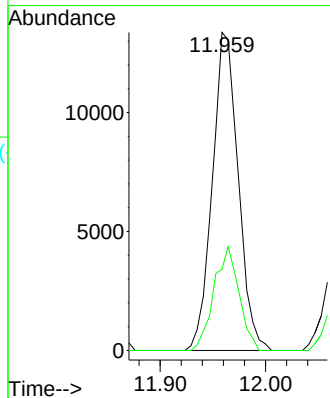
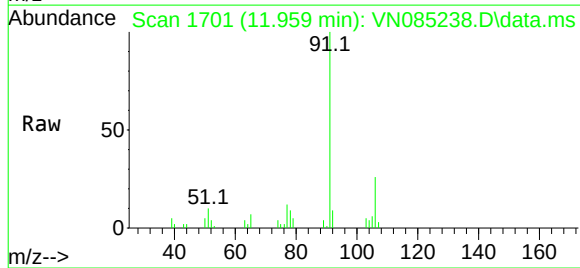
MW1A-20241213

Tgt Ion: 91 Resp: 22820

Ion Ratio Lower Upper

91 100

106 25.6 24.7 37.1



#68

m/p-Xylenes

Concen: 1.550 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085238.D

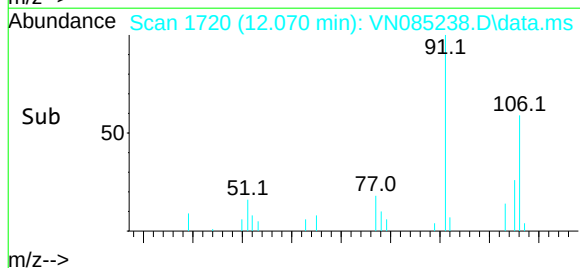
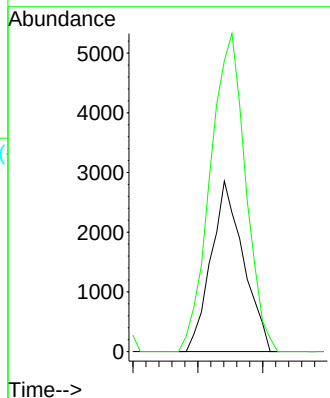
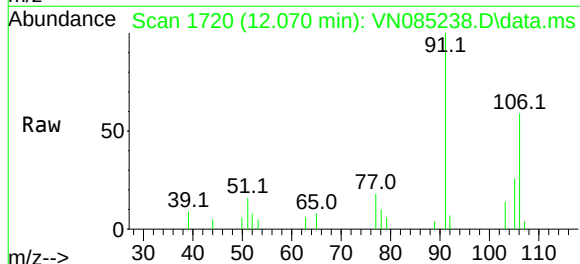
Acq: 17 Dec 2024 20:47

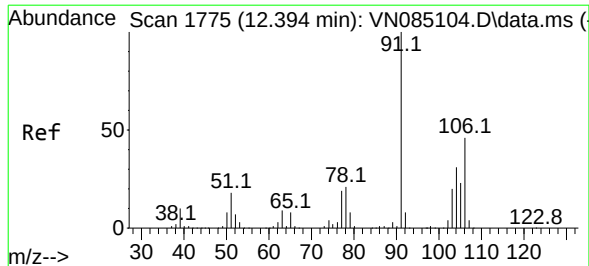
Tgt Ion: 106 Resp: 4951

Ion Ratio Lower Upper

106 100

91 203.1 168.0 252.0





#69

o-Xylene

Concen: 0.760 ug/l

RT: 12.400 min Scan# 17

Delta R.T. 0.006 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

Instrument :

MSVOA_N

ClientSampleId :

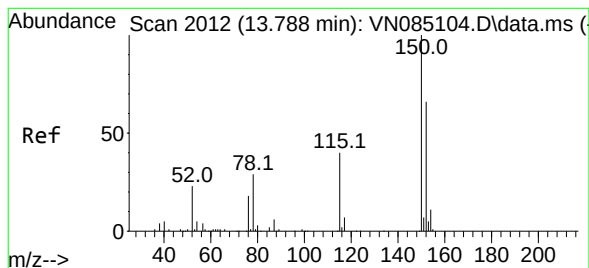
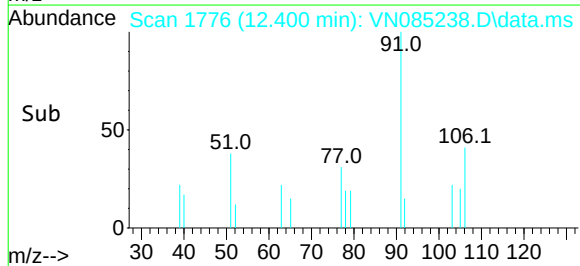
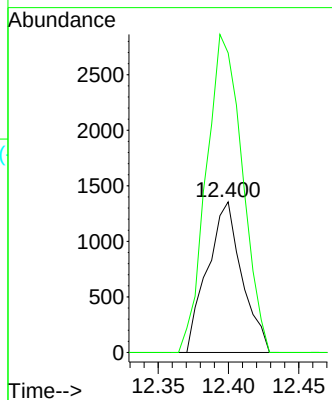
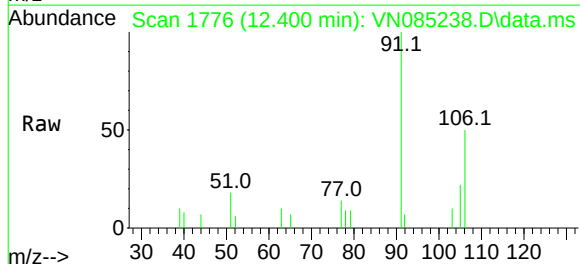
MW1A-20241213

Tgt Ion:106 Resp: 2310

Ion Ratio Lower Upper

106 100

91 221.1 110.7 331.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

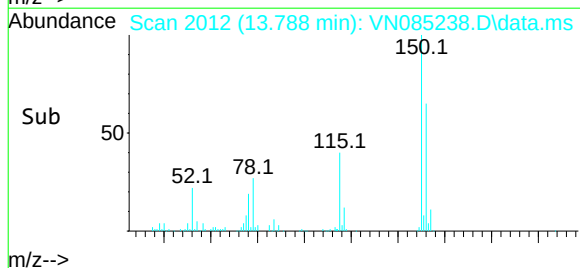
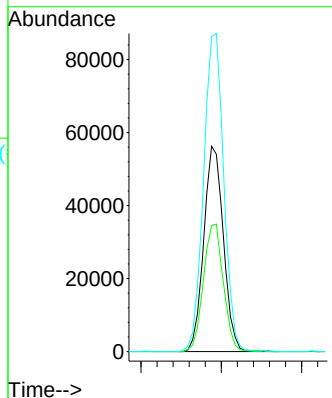
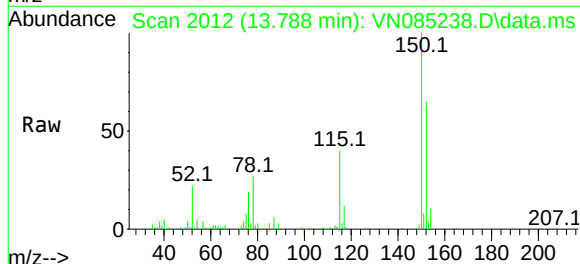
Tgt Ion:152 Resp: 95605

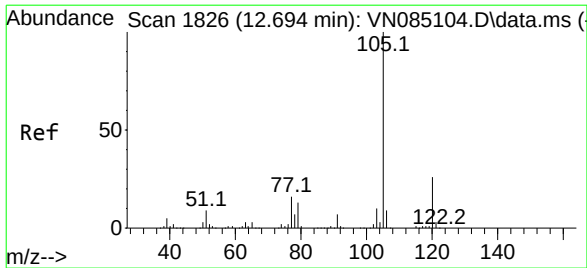
Ion Ratio Lower Upper

152 100

115 62.7 31.7 95.1

150 158.8 0.0 351.4





#73

Isopropylbenzene

Concen: 0.569 ug/l

RT: 12.694 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

Instrument :

MSVOA_N

ClientSampleId :

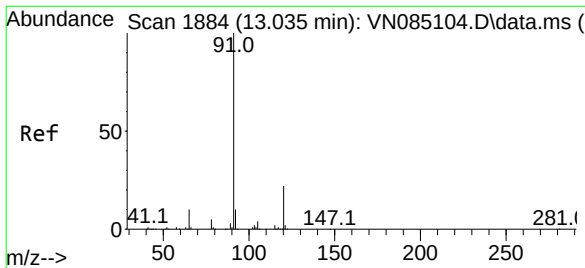
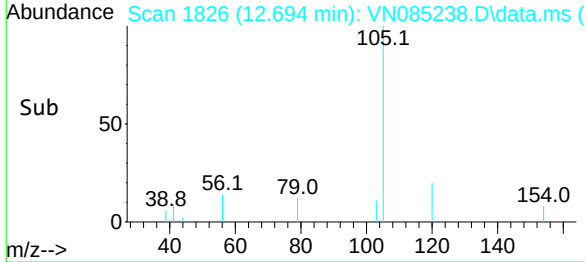
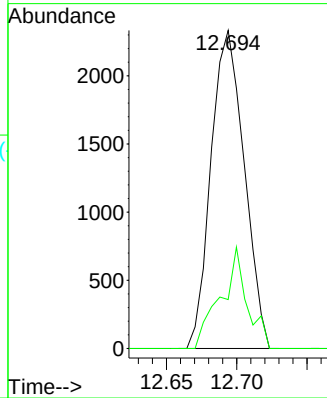
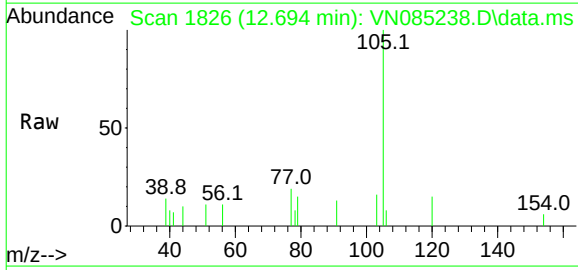
MW1A-20241213

Tgt Ion:105 Resp: 3836

Ion Ratio Lower Upper

105 100

120 25.3 13.0 39.0



#78

n-propylbenzene

Concen: 0.430 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.006 min

Lab File: VN085238.D

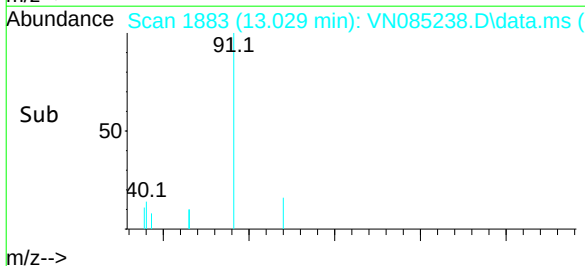
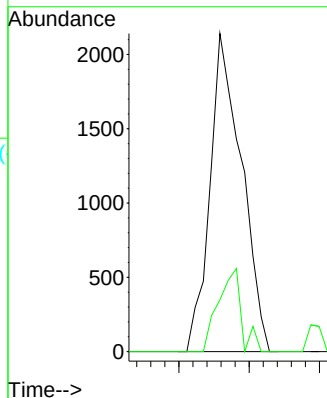
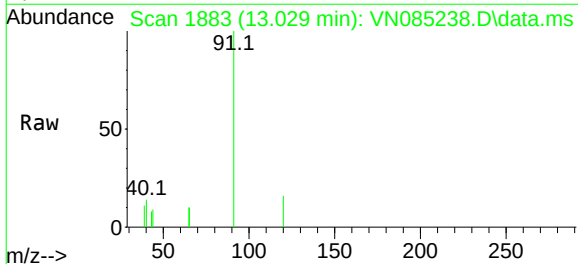
Acq: 17 Dec 2024 20:47

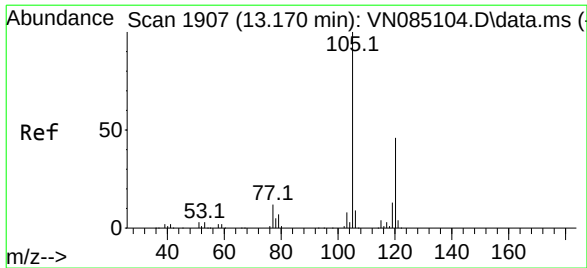
Tgt Ion: 91 Resp: 3344

Ion Ratio Lower Upper

91 100

120 19.0 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 0.207 ug/l

RT: 13.176 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VN085238.D

Acq: 17 Dec 2024 20:47

Instrument :

MSVOA_N

ClientSampleId :

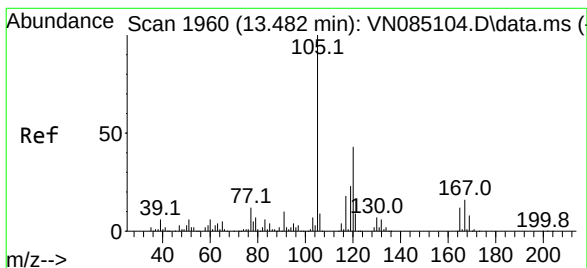
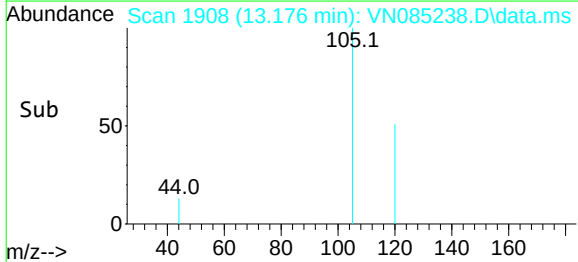
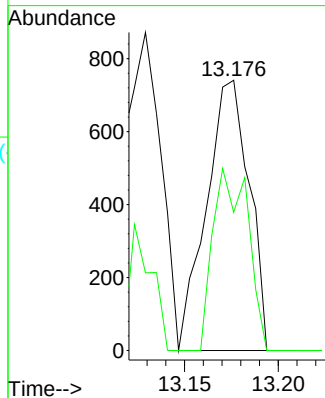
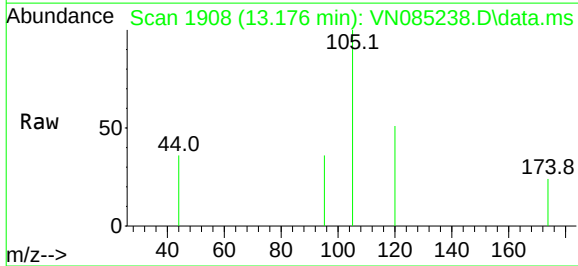
MW1A-20241213

Tgt Ion:105 Resp: 1173

Ion Ratio Lower Upper

105 100

120 55.2 23.6 71.0



#84

1,2,4-Trimethylbenzene

Concen: 0.978 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085238.D

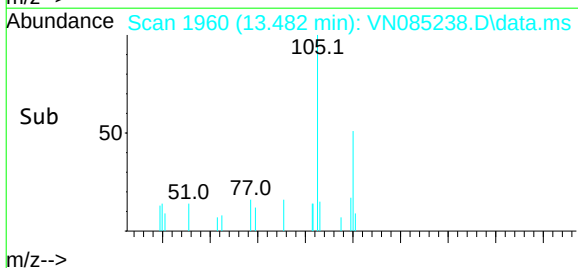
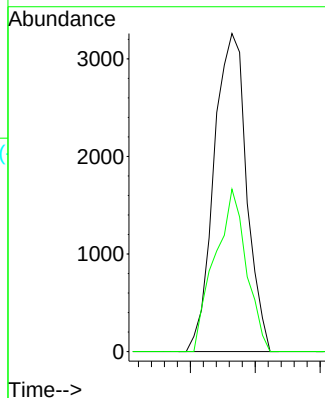
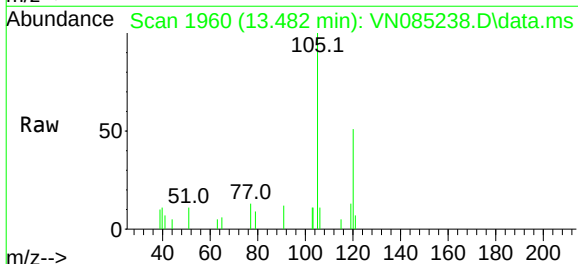
Acq: 17 Dec 2024 20:47

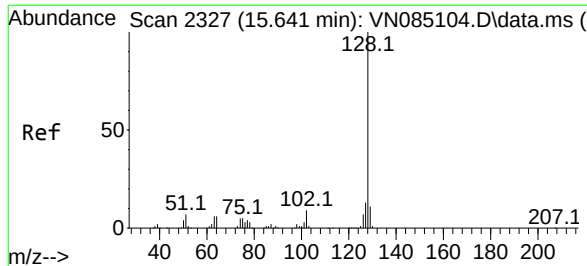
Tgt Ion:105 Resp: 5698

Ion Ratio Lower Upper

105 100

120 49.5 21.8 65.4





#95

Naphthalene

Concen: 5.159 ug/l

RT: 15.641 min Scan# 23

Delta R.T. -0.000 min

Lab File: VN085238.D

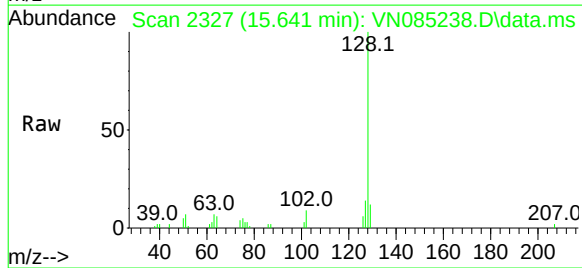
Acq: 17 Dec 2024 20:47

Instrument :

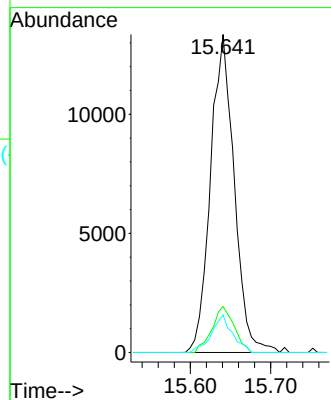
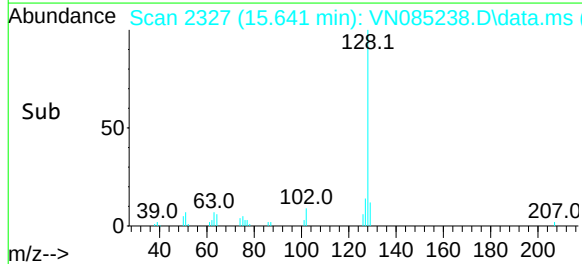
MSVOA_N

ClientSampleId :

MW1A-20241213



Tgt Ion:	128	Resp:	27385
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	10.5	8.6	12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085238.D
 Acq On : 17 Dec 2024 20:47
 Operator : JC\MD
 Sample : P5291-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW1A-20241213

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Title : SW846 8260

Signal : TIC: VN085238.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	50	58	61	rBV2	18329	42047	2.46%	0.650%
2	3.242	210	219	229	rVB5	11507	27956	1.64%	0.432%
3	4.136	363	371	382	rBV3	15529	43313	2.54%	0.670%
4	5.383	573	583	597	rBV2	12243	40313	2.36%	0.623%
5	5.788	644	652	666	rVB3	7144	24857	1.46%	0.384%
6	8.165	1047	1056	1061	rBV2	123013	298925	17.51%	4.621%
7	8.224	1061	1066	1081	rVB	221210	487322	28.54%	7.534%
8	8.606	1118	1131	1144	rBV2	649998	1707437	100.00%	26.397%
9	8.777	1148	1160	1175	rVB	102208	268912	15.75%	4.157%
10	9.100	1206	1215	1227	rBV	317038	649552	38.04%	10.042%
11	10.565	1457	1464	1472	rBV	456197	840964	49.25%	13.001%
12	10.629	1472	1475	1483	rVB4	9504	18037	1.06%	0.279%
13	11.865	1676	1685	1695	rBV	411469	711758	41.69%	11.004%
14	11.959	1695	1701	1709	rVB	31083	54025	3.16%	0.835%
15	12.070	1714	1720	1727	rVB2	14932	26792	1.57%	0.414%
16	12.847	1844	1852	1862	rVB	311353	533642	31.25%	8.250%
17	13.788	2005	2012	2022	rBV	346478	594784	34.83%	9.195%
18	14.000	2040	2048	2058	rVB5	19639	43291	2.54%	0.669%
19	15.641	2318	2327	2336	rBV	26396	54396	3.19%	0.841%

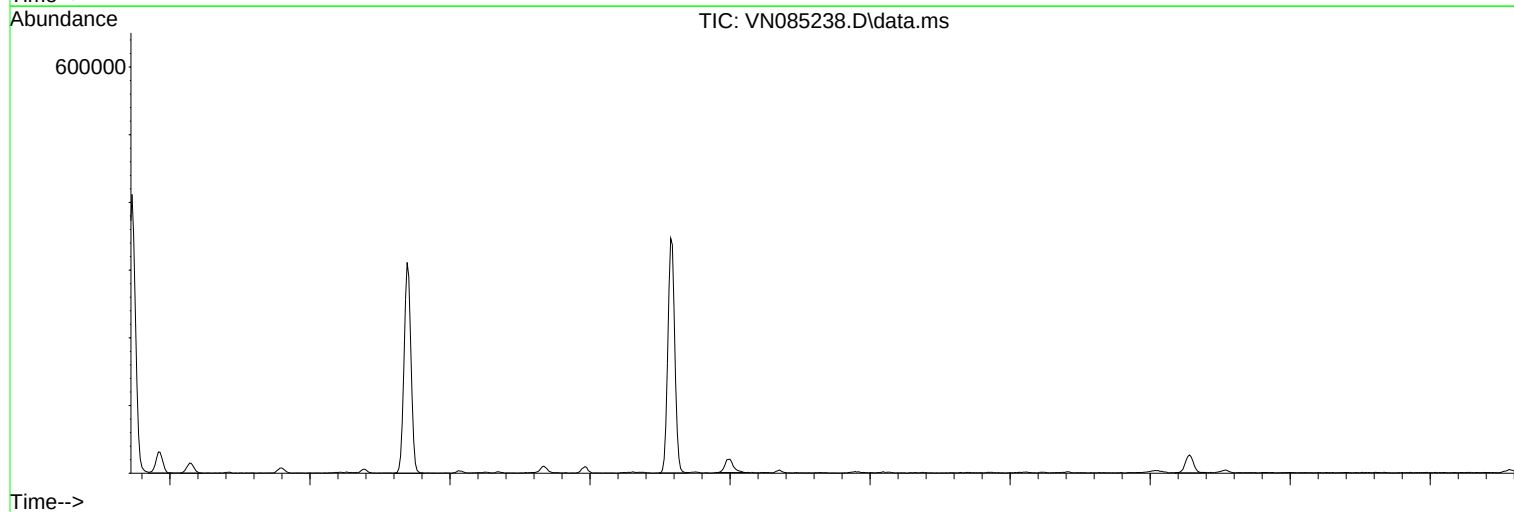
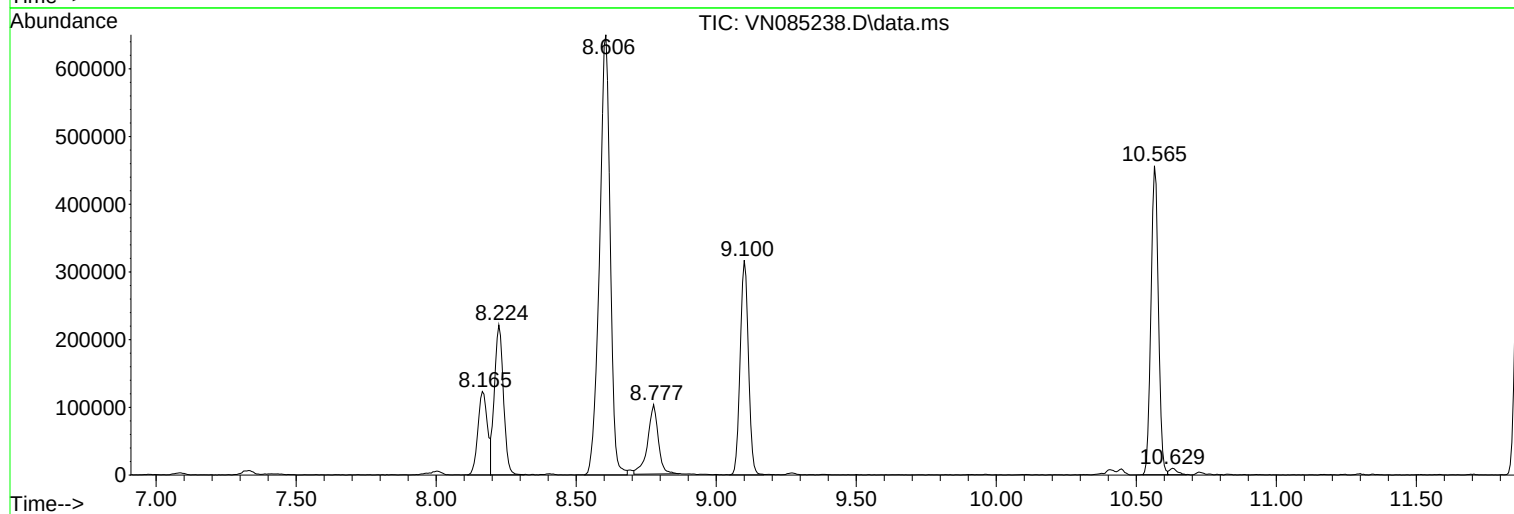
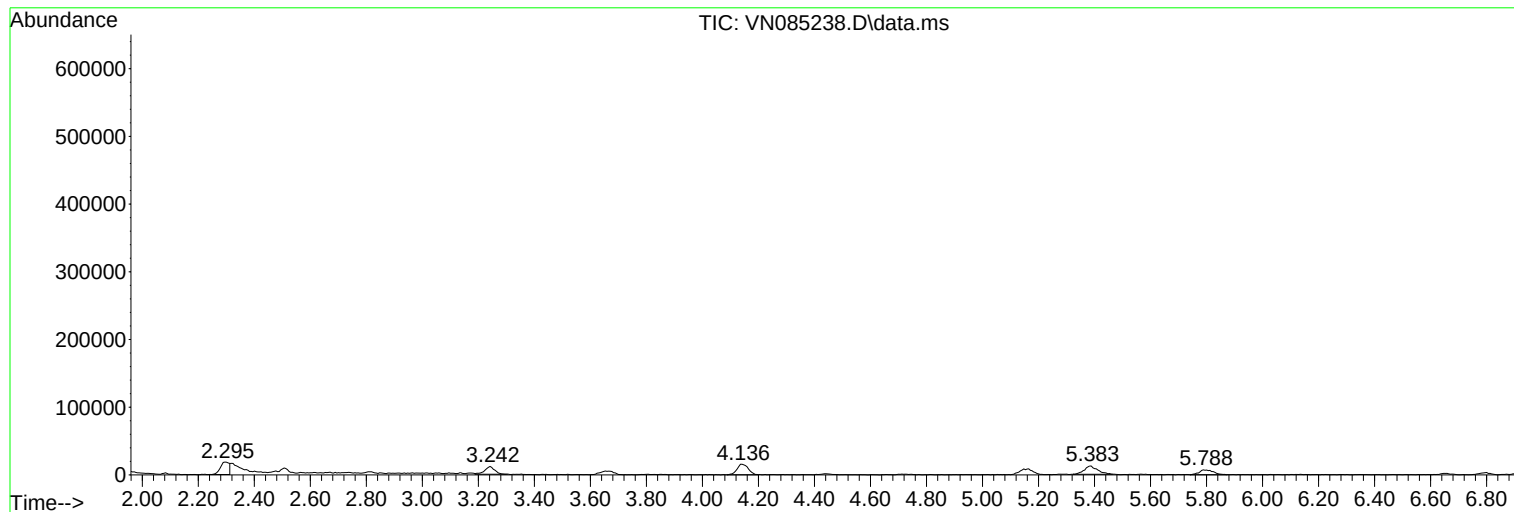
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085238.D
Acq On : 17 Dec 2024 20:47
Operator : JC\MD
Sample : P5291-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1A-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085238.D
Acq On : 17 Dec 2024 20:47
Operator : JC\MD
Sample : P5291-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1A-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

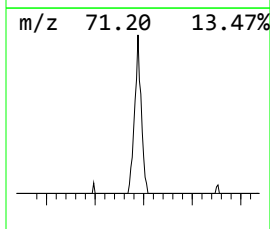
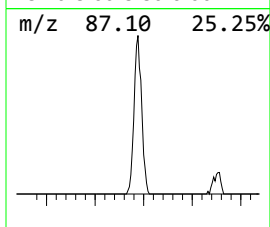
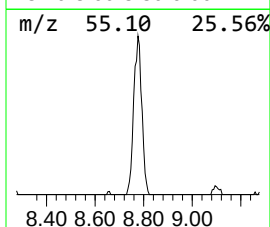
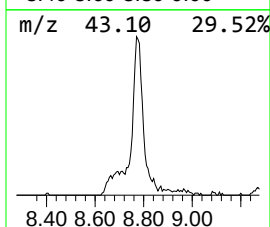
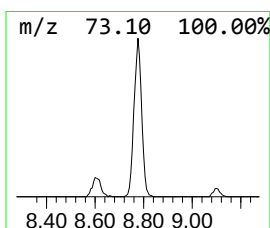
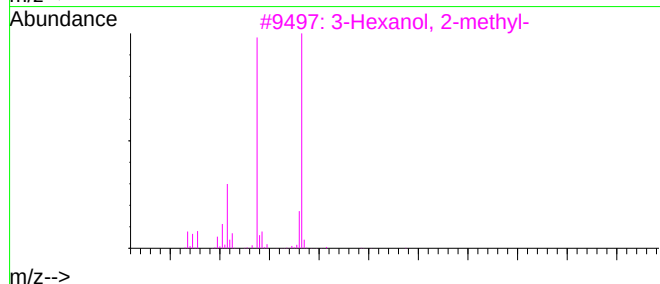
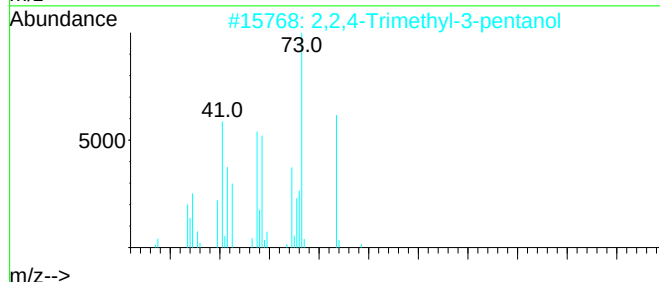
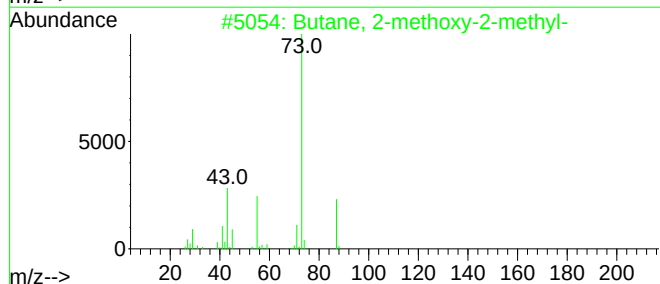
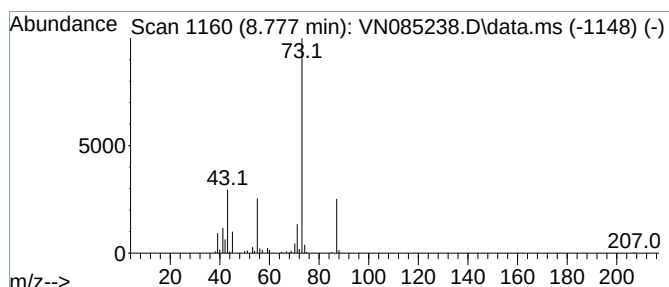
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.777	20.70 ug/l	268912	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085238.D
Acq On : 17 Dec 2024 20:47
Operator : JC\MD
Sample : P5291-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW1A-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	8.777	20.7	ug/l	268912	2	9.100	649552	50.0

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW10D-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085230.D	1		12/17/24 17:33	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	UQ	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	UQ	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
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	2.80	J	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	5.00		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	2.40		0.19	1.00	ug/L
71-43-2	Benzene	2.20		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
108-88-3	Toluene	1.20		0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW10D-20241213			SDG No.:	P5291
Lab Sample ID:	P5291-02			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085230.D	1		12/17/24 17:33	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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	2.20		0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	15.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	53.7		0.31	2.00	ug/L
95-47-6	o-Xylene	9.00		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	1.10		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	50.0		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.4		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	8.224			
540-36-3	1,4-Difluorobenzene	265000	9.1			
3114-55-4	Chlorobenzene-d5	231000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.788			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW10D-20241213			SDG No.:	P5291
Lab Sample ID:	P5291-02			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085230.D	1		12/17/24 17:33	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
103-65-1	n-propylbenzene	1.70	J		13.0	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	11.5	J		13.1	ug/L
108-67-8	1,3,5-Trimethylbenzene	6.30	J		13.2	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	7.00	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	16.4	J		13.5	ug/L
000496-11-7	Indane	7.10	J		14.0	ug/L
91-20-3	Naphthalene	7.50	J		15.6	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085230.D
 Acq On : 17 Dec 2024 17:33
 Operator : JC\MD
 Sample : P5291-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW10D-20241213

Quant Time: Dec 18 00:29:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

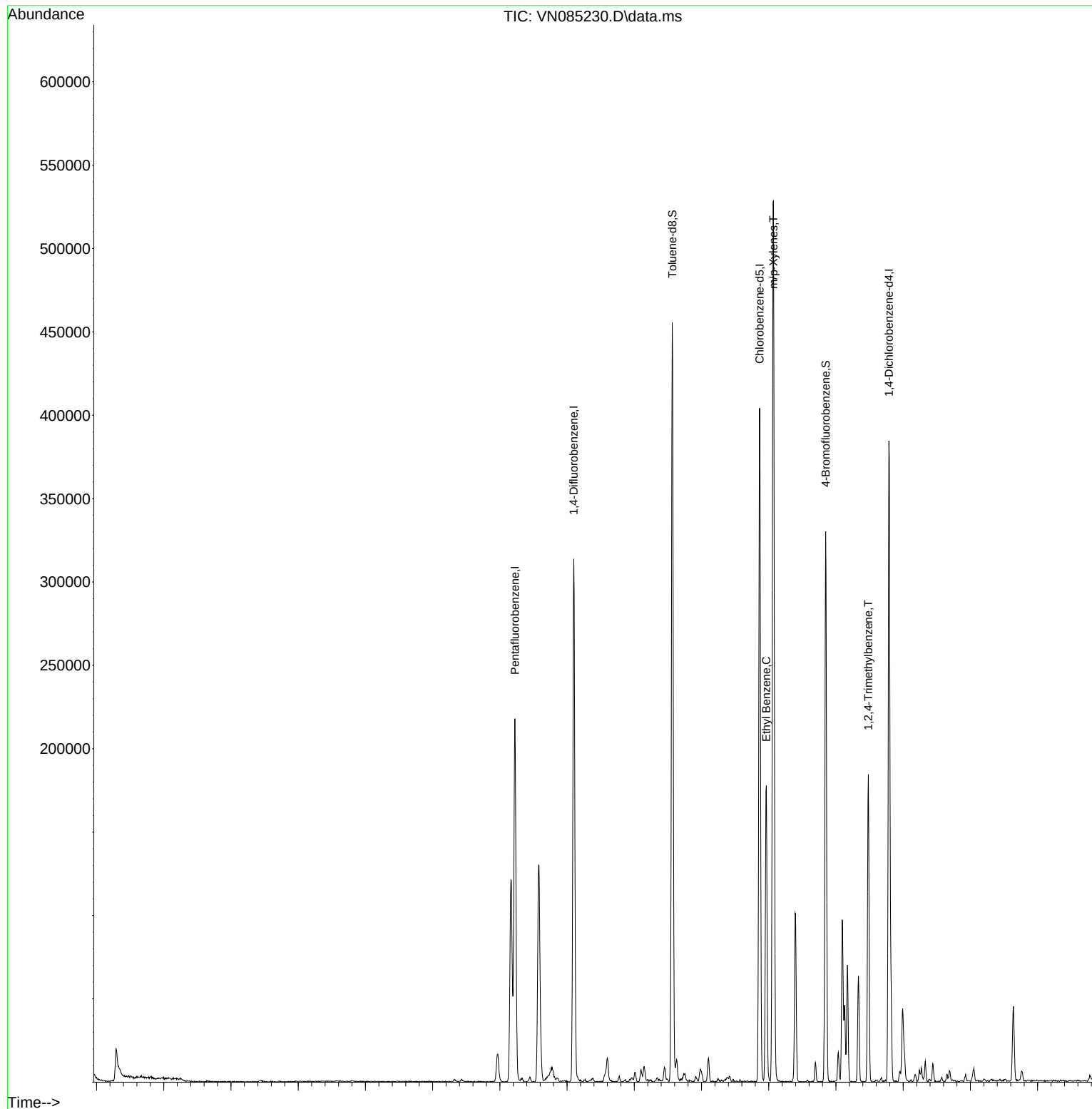
Internal Standards						
1) Pentafluorobenzene	8.224	168	152528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	264985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	108655	50.010	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	100.020%	
35) Dibromofluoromethane	8.165	113	88888	49.742	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.480%	
50) Toluene-d8	10.565	98	309932	48.396	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	96.800%	
62) 4-Bromofluorobenzene	12.847	95	115958	48.418	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	96.840%	
Target Compounds						
						Qvalue
16) Acetone	4.436	43	1745	2.758	ug/l	94
30) Chloroform	7.965	83	17379	4.970	ug/l	92
39) Methylcyclohexane	9.600	83	5920	2.354	ug/l	93
40) Benzene	8.600	78	16550	2.162	ug/l #	90
52) Toluene	10.629	92	5350	1.180	ug/l	95
64) Tetrachloroethene	11.106	164	3412	2.188	ug/l	91
67) Ethyl Benzene	11.964	91	132046	15.504	ug/l	96
68) m/p-Xylenes	12.070	106	174272	53.745	ug/l	100
69) o-Xylene	12.394	106	27851	9.030	ug/l	99
73) Isopropylbenzene	12.694	105	7988	1.088	ug/l	96
78) n-propylbenzene	13.035	91	14195	1.677	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	38695	6.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	103830	16.376	ug/l	99
95) Naphthalene	15.641	128	43338	7.502	ug/l	99

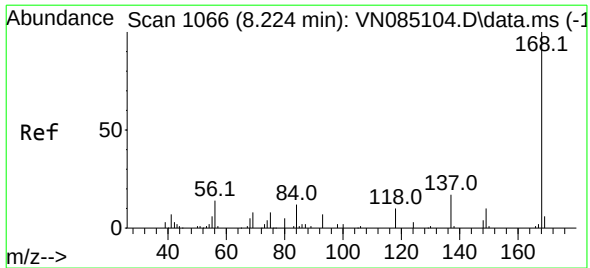
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085230.D
Acq On : 17 Dec 2024 17:33
Operator : JC\MD
Sample : P5291-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW10D-20241213

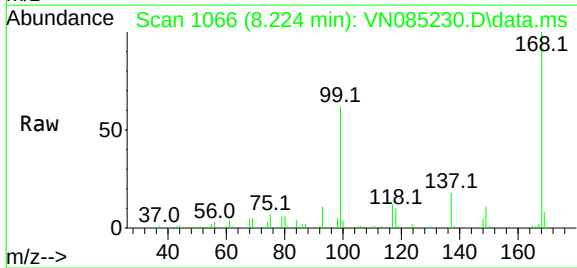
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



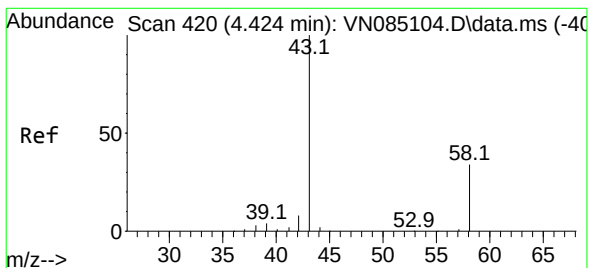
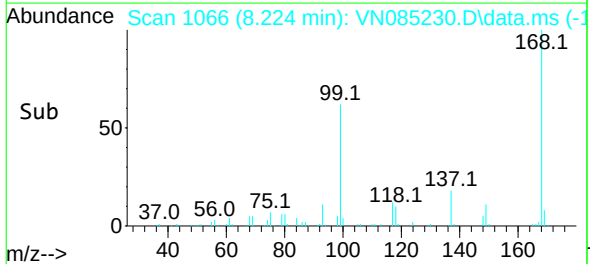
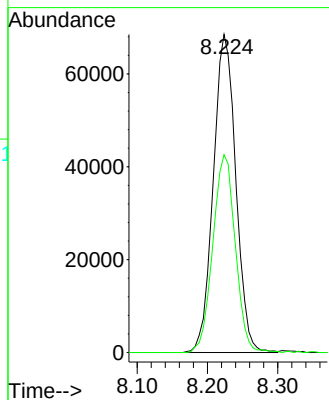


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085230.D
Acq: 17 Dec 2024 17:33

Instrument :
MSVOA_N
ClientSampleId :
MW10D-20241213

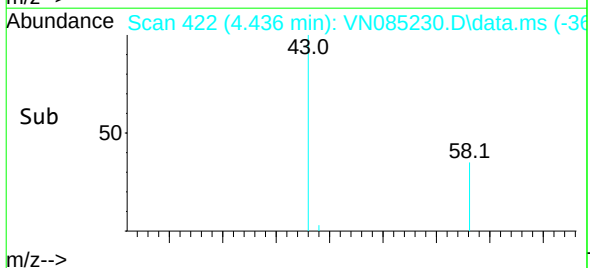
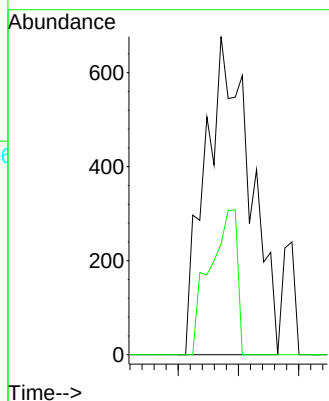
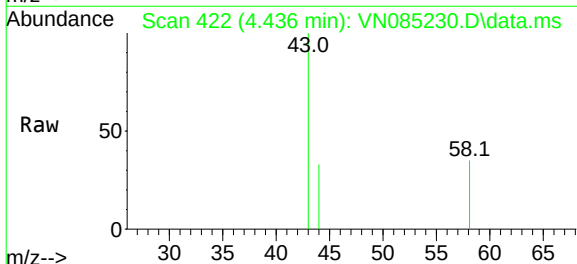


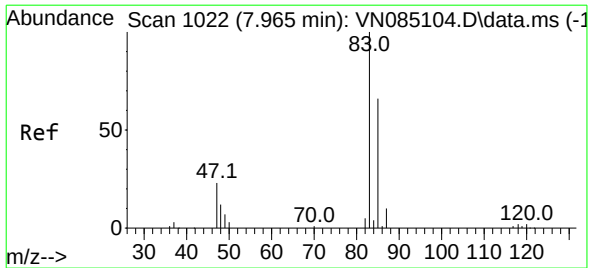
Tgt Ion:168 Resp: 152528
Ion Ratio Lower Upper
168 100
99 62.2 51.2 76.8



#16
Acetone
Concen: 2.758 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN085230.D
Acq: 17 Dec 2024 17:33

Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
58 34.9 25.4 38.2





#30

Chloroform

Concen: 4.970 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085230.D

Acq: 17 Dec 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

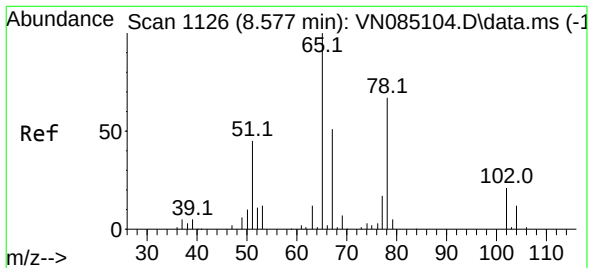
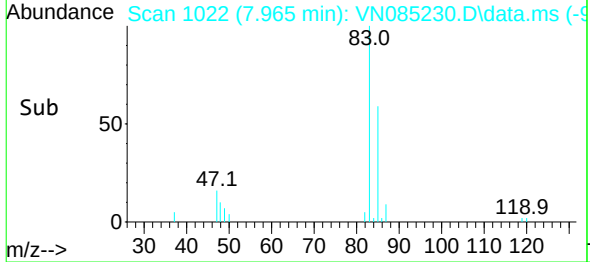
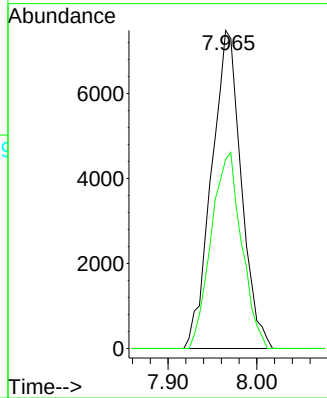
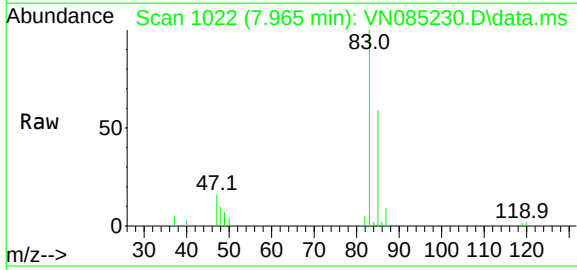
MW10D-20241213

Tgt Ion: 83 Resp: 17379

Ion Ratio Lower Upper

83 100

85 59.4 52.6 78.8



#33

1,2-Dichloroethane-d4

Concen: 50.010 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085230.D

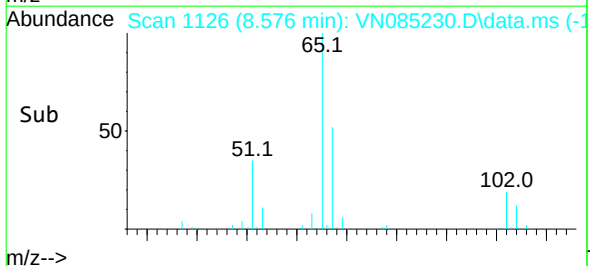
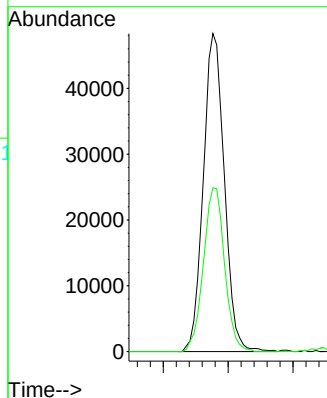
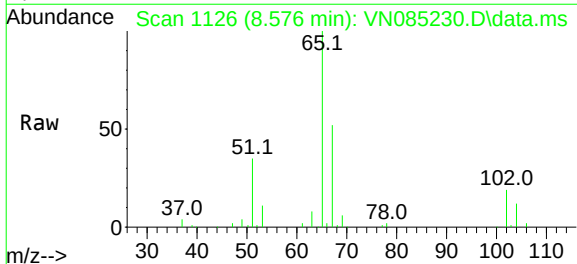
Acq: 17 Dec 2024 17:33

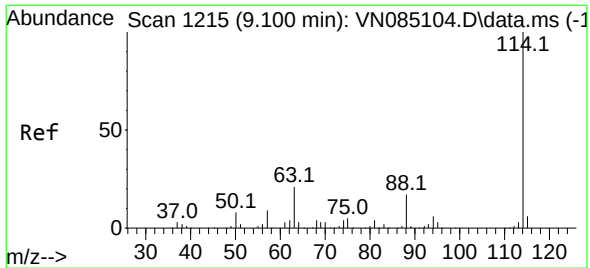
Tgt Ion: 65 Resp: 108655

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085230.D

Acq: 17 Dec 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

MW10D-20241213

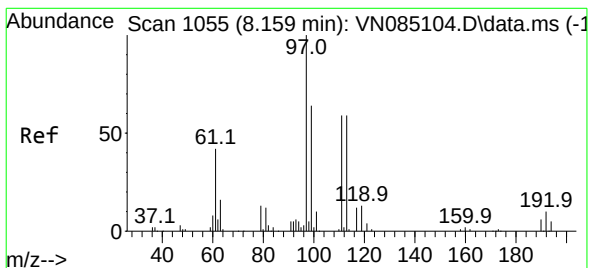
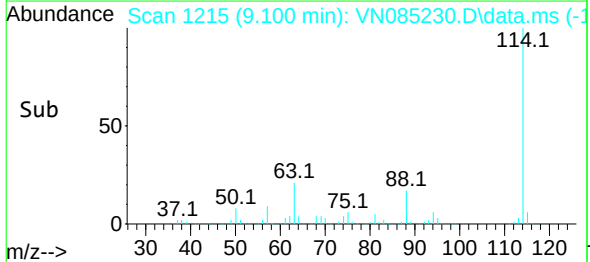
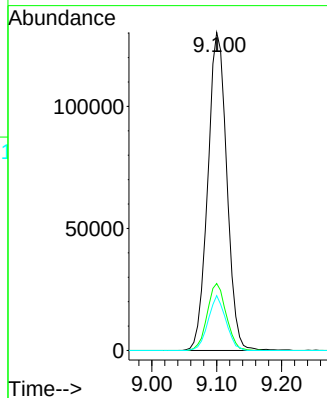
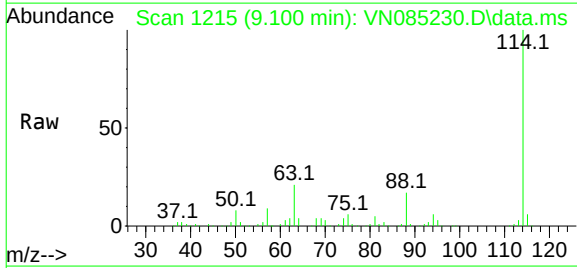
Tgt Ion:114 Resp: 264985

Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.0

88 17.2 0.0 34.8



#35

Dibromofluoromethane

Concen: 49.742 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085230.D

Acq: 17 Dec 2024 17:33

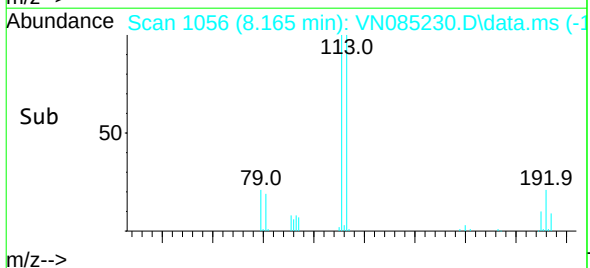
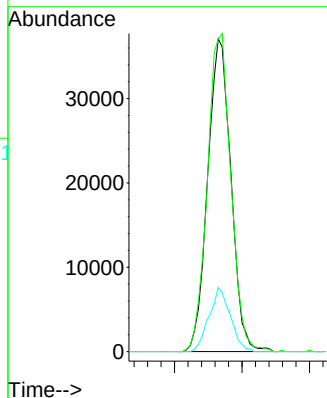
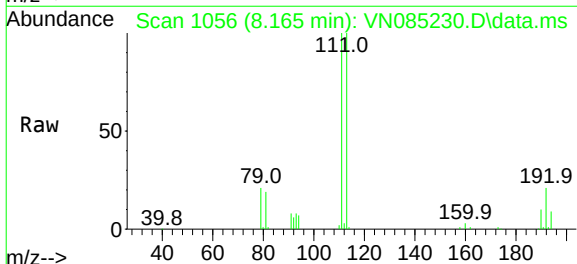
Tgt Ion:113 Resp: 88888

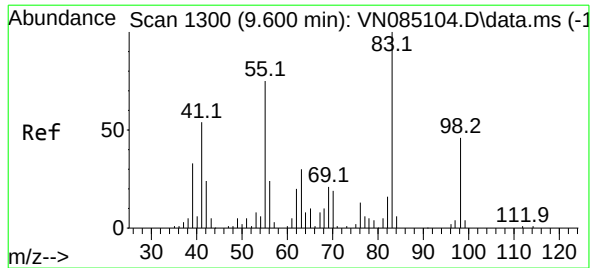
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 18.7 14.8 22.2





#39

Methylcyclohexane

Concen: 2.354 ug/l

RT: 9.600 min Scan# 13

Delta R.T. 0.006 min

Lab File: VN085230.D

Acq: 17 Dec 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

MW10D-20241213

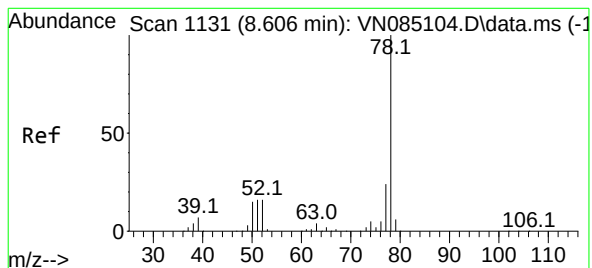
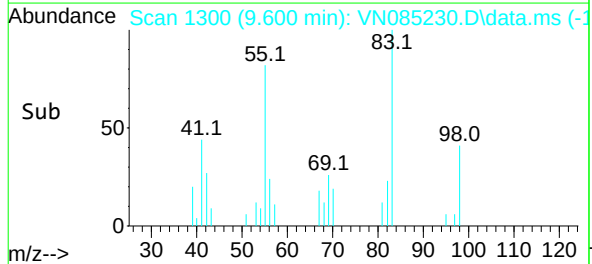
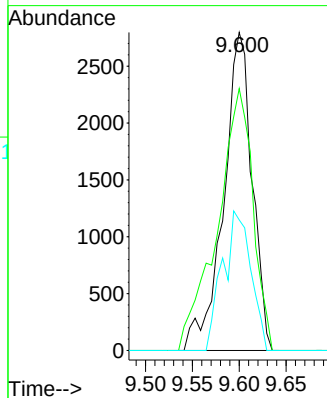
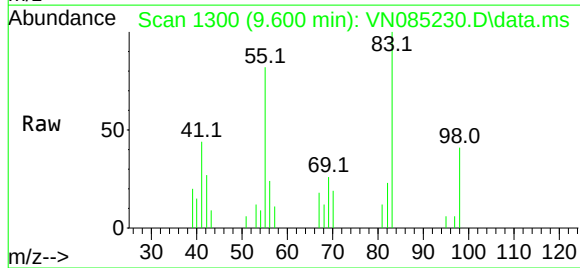
Tgt Ion: 83 Resp: 5920

Ion Ratio Lower Upper

83 100

55 82.3 61.8 92.6

98 41.0 37.0 55.6



#40

Benzene

Concen: 2.162 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085230.D

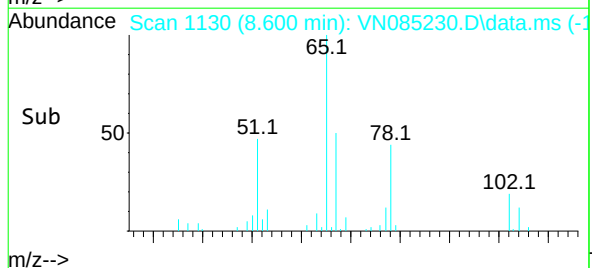
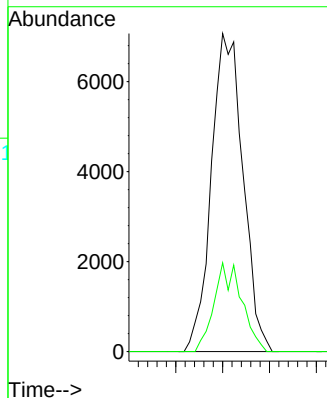
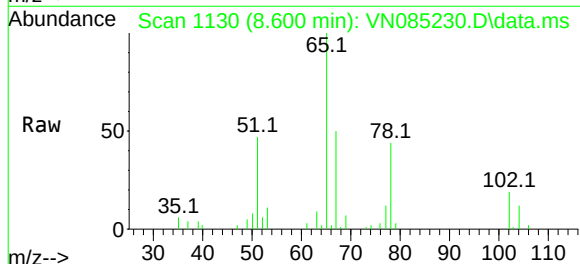
Acq: 17 Dec 2024 17:33

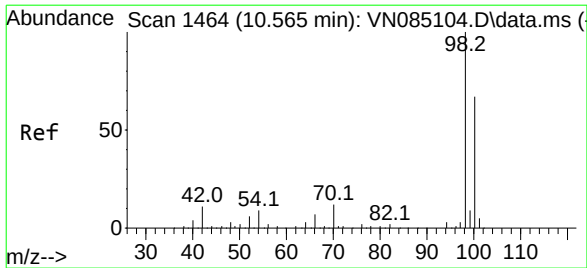
Tgt Ion: 78 Resp: 16550

Ion Ratio Lower Upper

78 100

77 27.9 18.5 27.7#





#50

Toluene-d8

Concen: 48.396 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085230.D

Acq: 17 Dec 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

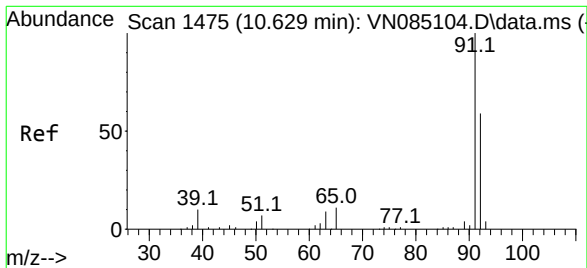
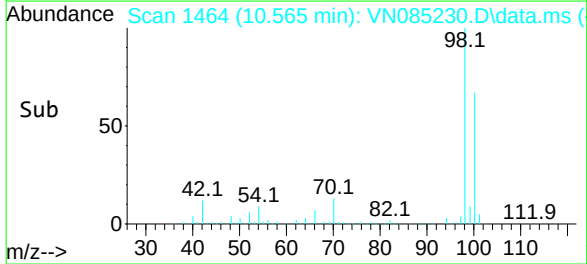
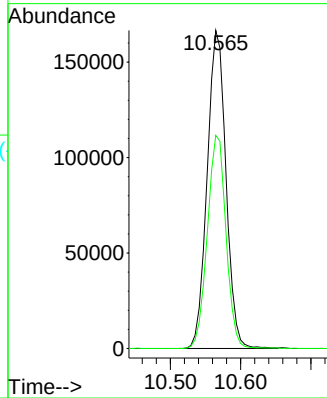
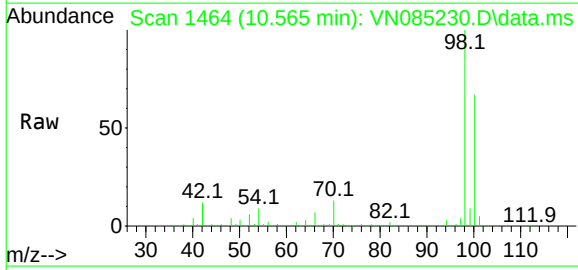
MW10D-20241213

Tgt Ion: 98 Resp: 309932

Ion Ratio Lower Upper

98 100

100 66.5 52.5 78.7



#52

Toluene

Concen: 1.180 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085230.D

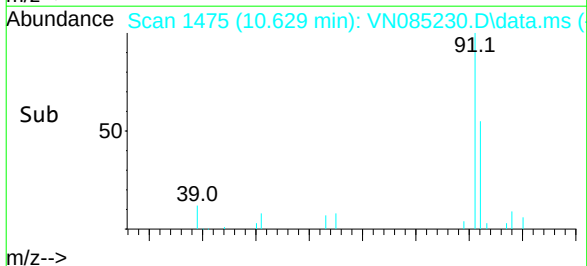
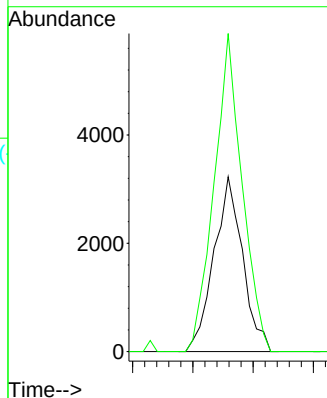
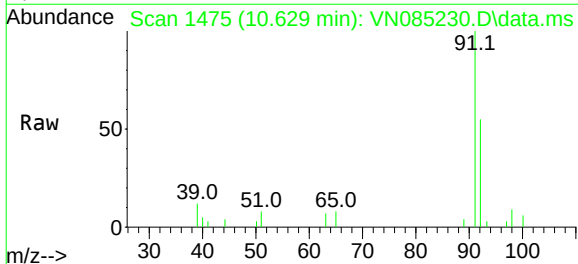
Acq: 17 Dec 2024 17:33

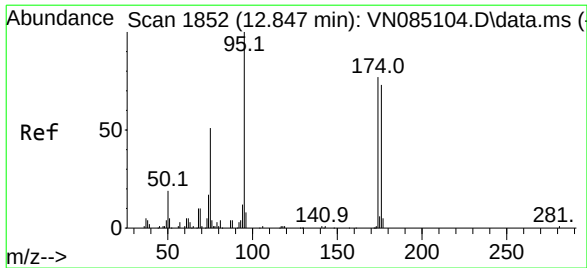
Tgt Ion: 92 Resp: 5350

Ion Ratio Lower Upper

92 100

91 177.7 136.7 205.1

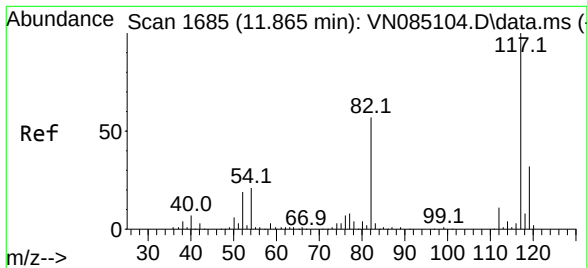
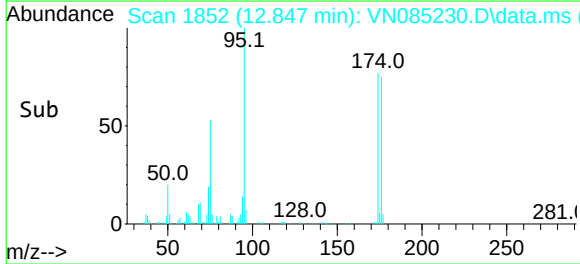
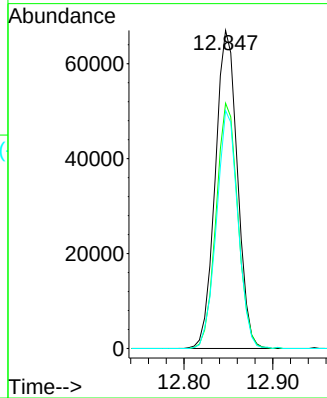
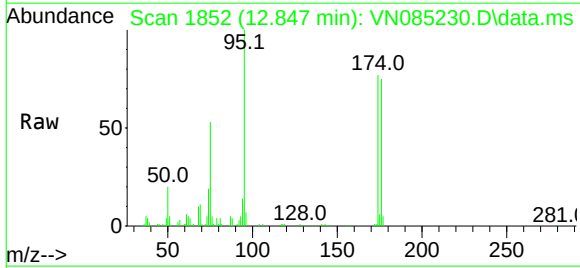




#62
4-Bromofluorobenzene
Concen: 48.418 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085230.D
Acq: 17 Dec 2024 17:33

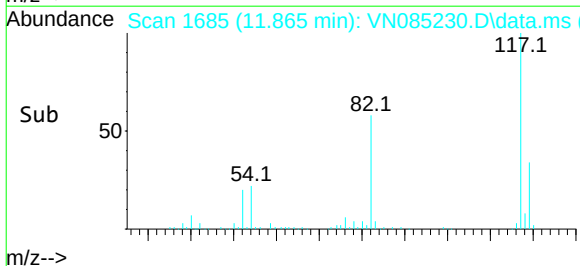
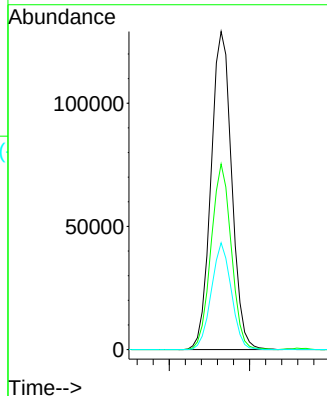
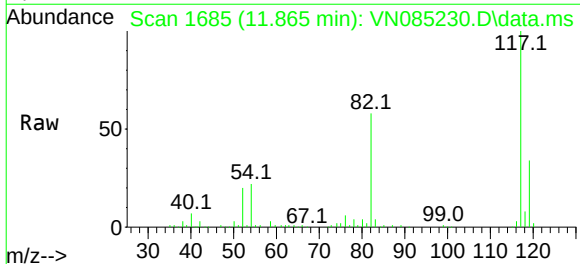
Instrument :
MSVOA_N
ClientSampleId :
MW10D-20241213

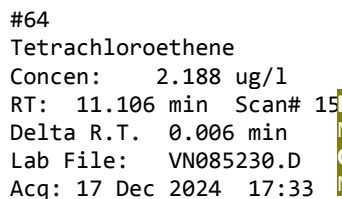
Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	146.6
176	72.5	0.0	141.8



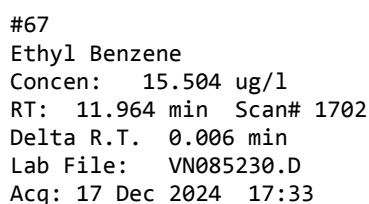
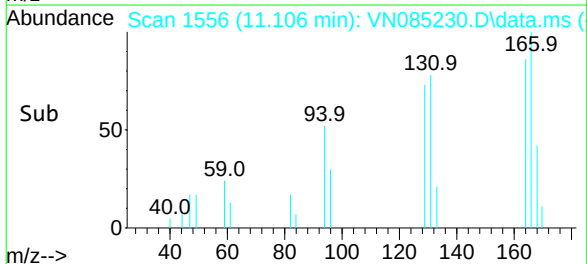
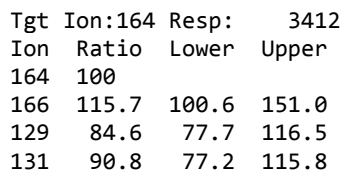
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085230.D
Acq: 17 Dec 2024 17:33

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.0	69.0
119	33.6	25.6	38.4

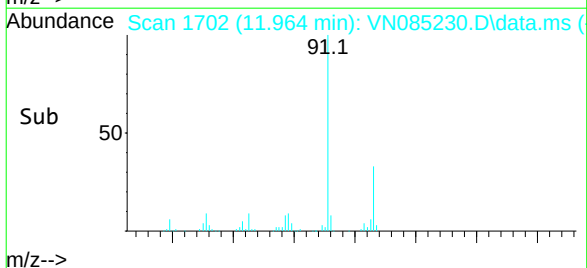
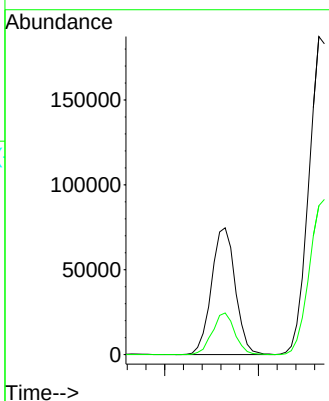


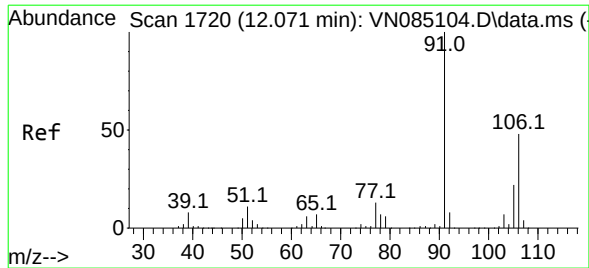


Instrument :
MSVOA_N
ClientSampleId :
MW10D-20241213



Tgt	Ion: 91	Resp:	132046
Ion	Ratio	Lower	Upper
91	100		
106	32.8	24.7	37.1





#68

m/p-Xylenes

Concen: 53.745 ug/l

RT: 12.070 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN085230.D

Acq: 17 Dec 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

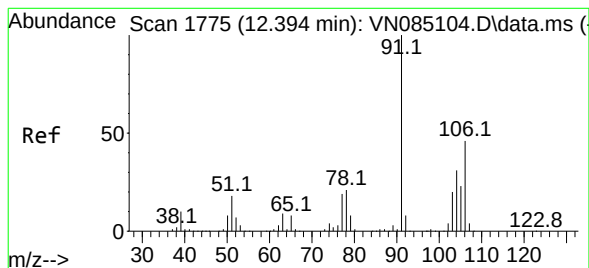
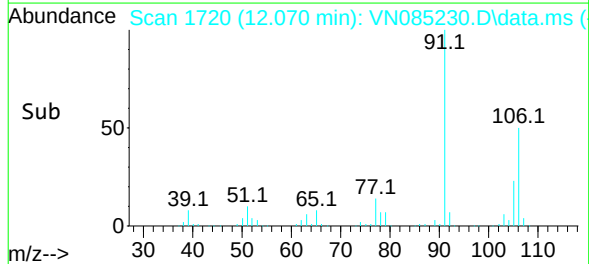
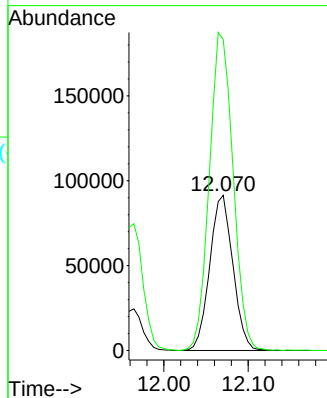
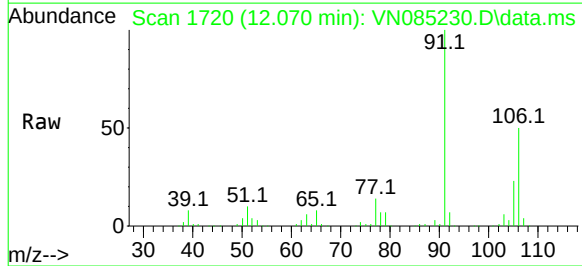
MW10D-20241213

Tgt Ion:106 Resp: 174272

Ion Ratio Lower Upper

106 100

91 210.6 168.0 252.0



#69

o-Xylene

Concen: 9.030 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085230.D

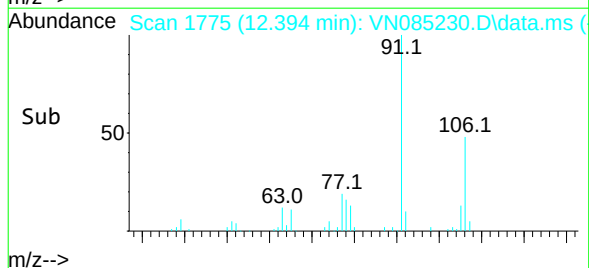
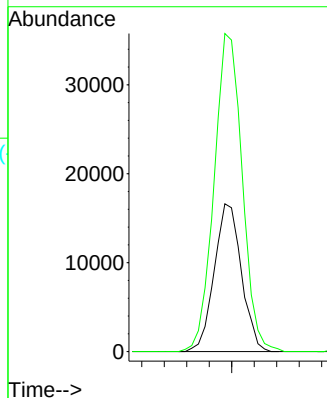
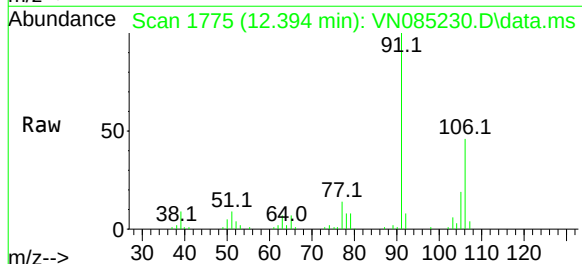
Acq: 17 Dec 2024 17:33

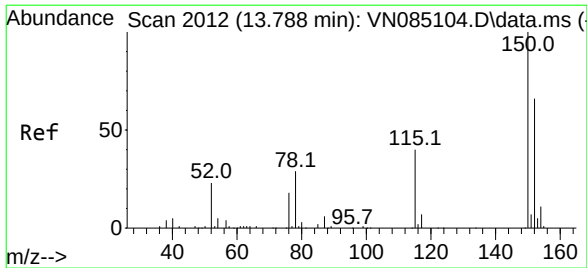
Tgt Ion:106 Resp: 27851

Ion Ratio Lower Upper

106 100

91 223.1 110.7 331.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085230.D

Acq: 17 Dec 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

MW10D-20241213

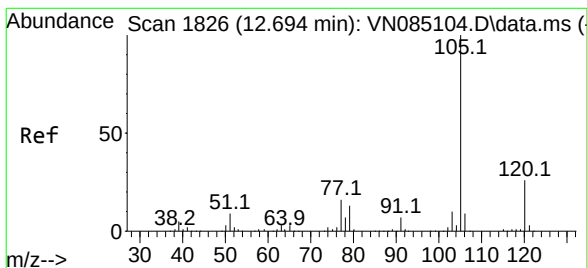
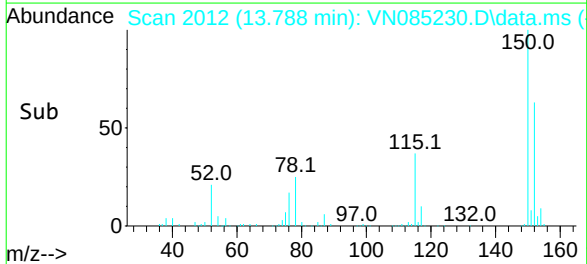
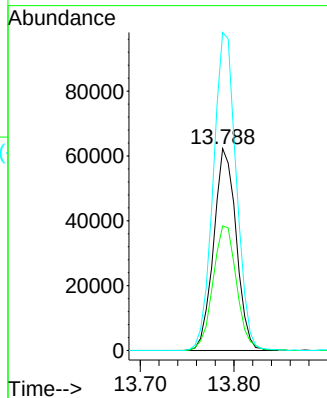
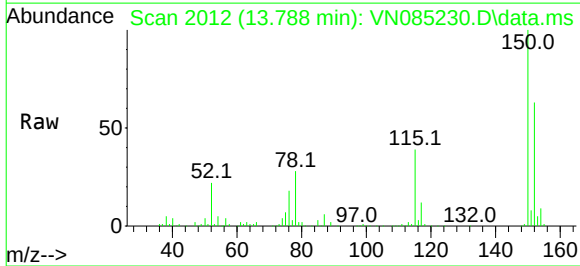
Tgt Ion:152 Resp: 104054

Ion Ratio Lower Upper

152 100

115 64.9 31.7 95.1

150 160.6 0.0 351.4



#73

Isopropylbenzene

Concen: 1.088 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085230.D

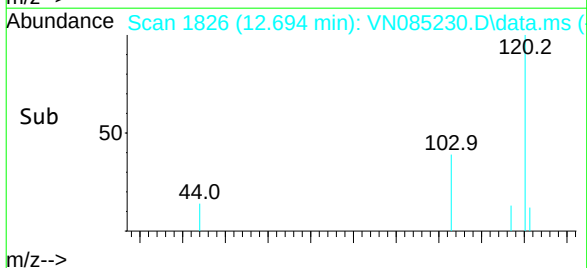
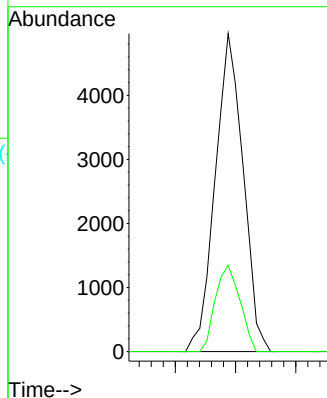
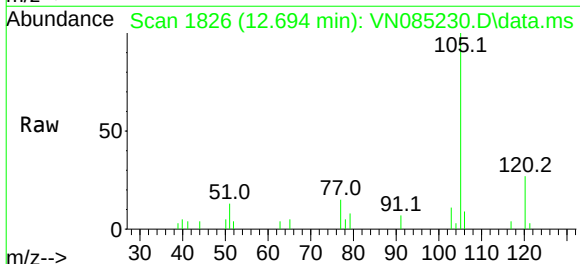
Acq: 17 Dec 2024 17:33

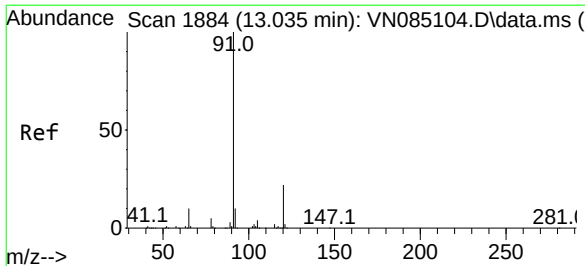
Tgt Ion:105 Resp: 7988

Ion Ratio Lower Upper

105 100

120 23.9 13.0 39.0





#78

n-propylbenzene

Concen: 1.677 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085230.D

Acq: 17 Dec 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

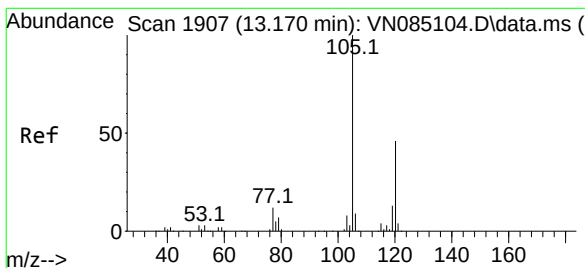
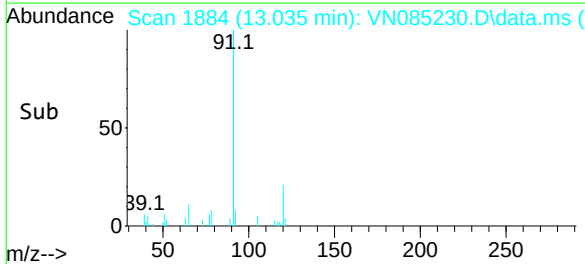
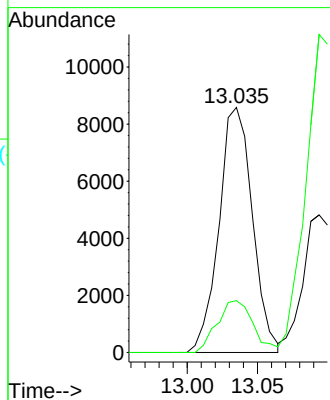
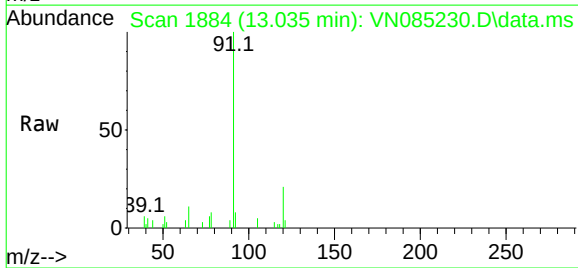
MW10D-20241213

Tgt Ion: 91 Resp: 14195

Ion Ratio Lower Upper

91 100

120 22.9 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 6.282 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085230.D

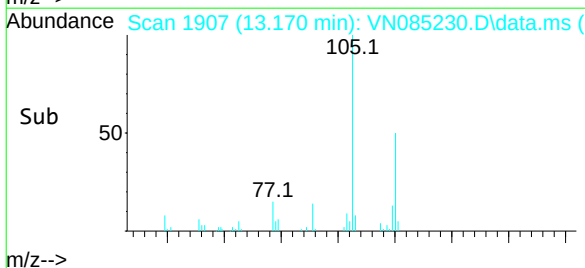
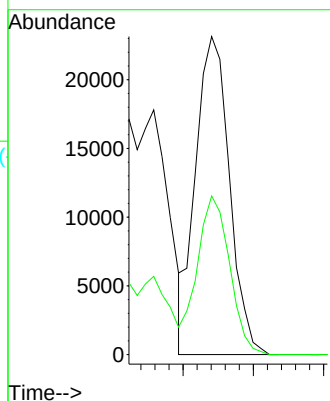
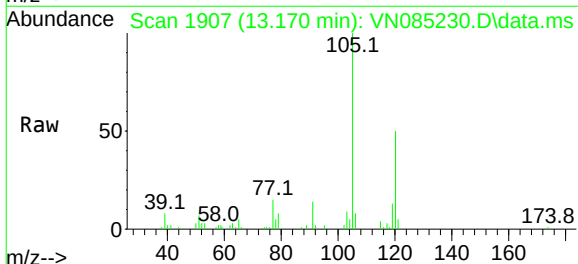
Acq: 17 Dec 2024 17:33

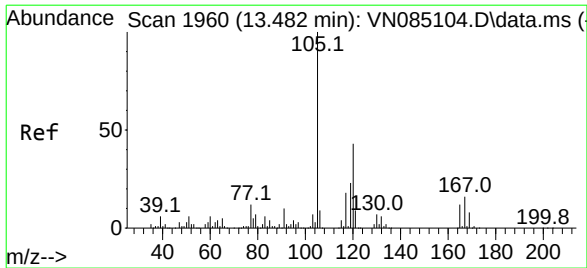
Tgt Ion: 105 Resp: 38695

Ion Ratio Lower Upper

105 100

120 48.1 23.6 71.0





#84

1,2,4-Trimethylbenzene

Concen: 16.376 ug/l

RT: 13.482 min Scan# 19

Delta R.T. 0.006 min

Lab File: VN085230.D

Acq: 17 Dec 2024 17:33

Instrument :

MSVOA_N

ClientSampleId :

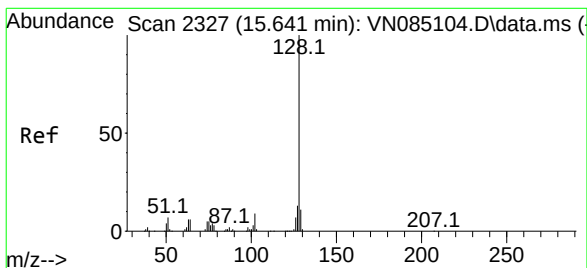
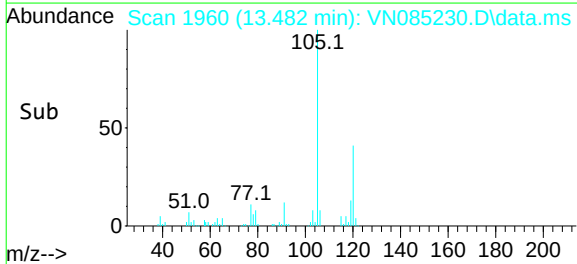
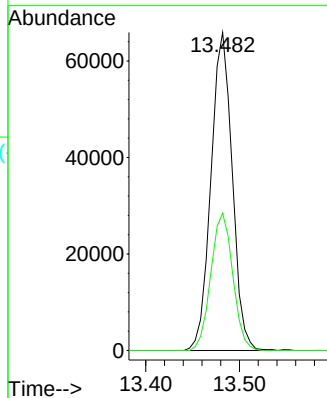
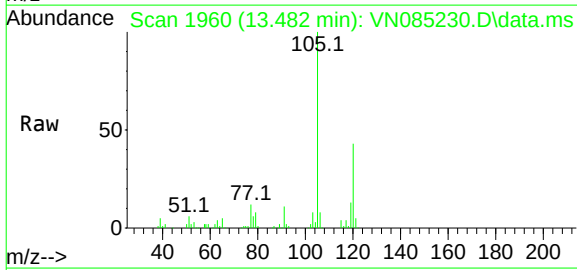
MW10D-20241213

Tgt Ion:105 Resp: 103830

Ion Ratio Lower Upper

105 100

120 44.5 21.8 65.4



#95

Naphthalene

Concen: 7.502 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085230.D

Acq: 17 Dec 2024 17:33

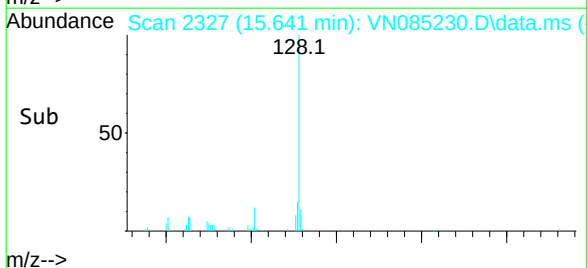
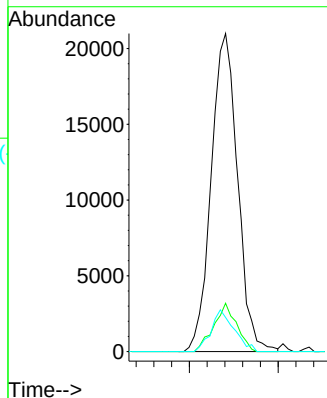
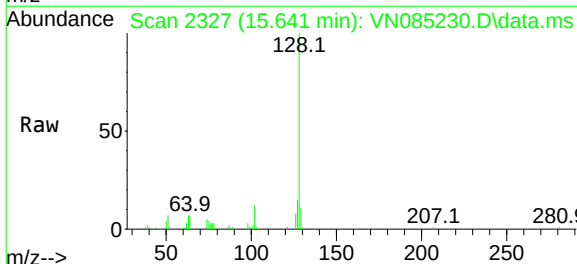
Tgt Ion:128 Resp: 43338

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

129 11.5 8.6 12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085230.D
 Acq On : 17 Dec 2024 17:33
 Operator : JC\MD
 Sample : P5291-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW10D-20241213

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Title : SW846 8260

Signal : TIC: VN085230.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	51	57	63	rBV	19404	46507	4.46%	0.625%
2	7.965	1013	1022	1034	rVB2	16688	42489	4.08%	0.571%
3	8.165	1044	1056	1061	rBV2	121004	297100	28.52%	3.995%
4	8.224	1061	1066	1078	rVB	217046	468970	45.02%	6.306%
5	8.576	1116	1126	1139	rBV2	129844	326345	31.33%	4.389%
6	8.776	1152	1160	1165	rVB7	5856	15221	1.46%	0.205%
7	9.100	1203	1215	1230	rBV	313631	639618	61.40%	8.601%
8	9.600	1288	1300	1308	rBV4	14361	39635	3.80%	0.533%
9	10.012	1366	1370	1376	rVB3	5760	10459	1.00%	0.141%
10	10.100	1379	1385	1389	rBV2	7150	13663	1.31%	0.184%
11	10.147	1389	1393	1400	rVB3	8519	16077	1.54%	0.216%
12	10.447	1439	1444	1449	rBV4	8213	14770	1.42%	0.199%
13	10.565	1455	1464	1472	rBV	455742	848539	81.45%	11.411%
14	10.629	1472	1475	1482	rVB	12692	22080	2.12%	0.297%
15	10.982	1530	1535	1544	rVB5	7697	19828	1.90%	0.267%
16	11.106	1549	1556	1562	rVB3	14385	25547	2.45%	0.344%
17	11.865	1676	1685	1695	rBV	403976	716705	68.79%	9.638%
18	11.965	1695	1702	1712	rVV	177412	310336	29.79%	4.173%
19	12.070	1712	1720	1732	rVB	527979	1041801	100.00%	14.010%
20	12.394	1767	1775	1785	rVB	101242	176260	16.92%	2.370%
21	12.694	1821	1826	1833	rVB3	11598	17713	1.70%	0.238%
22	12.847	1843	1852	1861	rVB	330311	558806	53.64%	7.515%
23	13.035	1879	1884	1889	rBV	17169	26405	2.53%	0.355%
24	13.094	1889	1894	1898	rVV	96886	167774	16.10%	2.256%
25	13.129	1898	1900	1903	rVV2	45821	58951	5.66%	0.793%
26	13.170	1903	1907	1915	rVB	70090	110121	10.57%	1.481%
27	13.335	1927	1935	1941	rBV	63669	103176	9.90%	1.387%
28	13.482	1953	1960	1967	rVB	183948	293308	28.15%	3.944%
29	13.788	2005	2012	2026	rVB2	384155	732583	70.32%	9.851%
30	13.994	2042	2047	2063	rVB3	44004	103687	9.95%	1.394%
31	14.241	2083	2089	2092	rVV2	7016	11028	1.06%	0.148%
32	14.270	2092	2094	2099	rVV2	8281	10873	1.04%	0.146%
33	14.329	2099	2104	2109	rVB2	12189	17926	1.72%	0.241%
34	14.441	2118	2123	2129	rVB3	10833	16806	1.61%	0.226%
35	15.053	2219	2227	2232	rBV4	8070	16165	1.55%	0.217%
36	15.641	2318	2327	2335	rBV2	44822	87061	8.36%	1.171%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085230.D
Acq On : 17 Dec 2024 17:33
Operator : JC\MD
Sample : P5291-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW10D-20241213

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

37	15.764	2341	2348	2353	rVB6	5823	11998	1.15%	0.161%

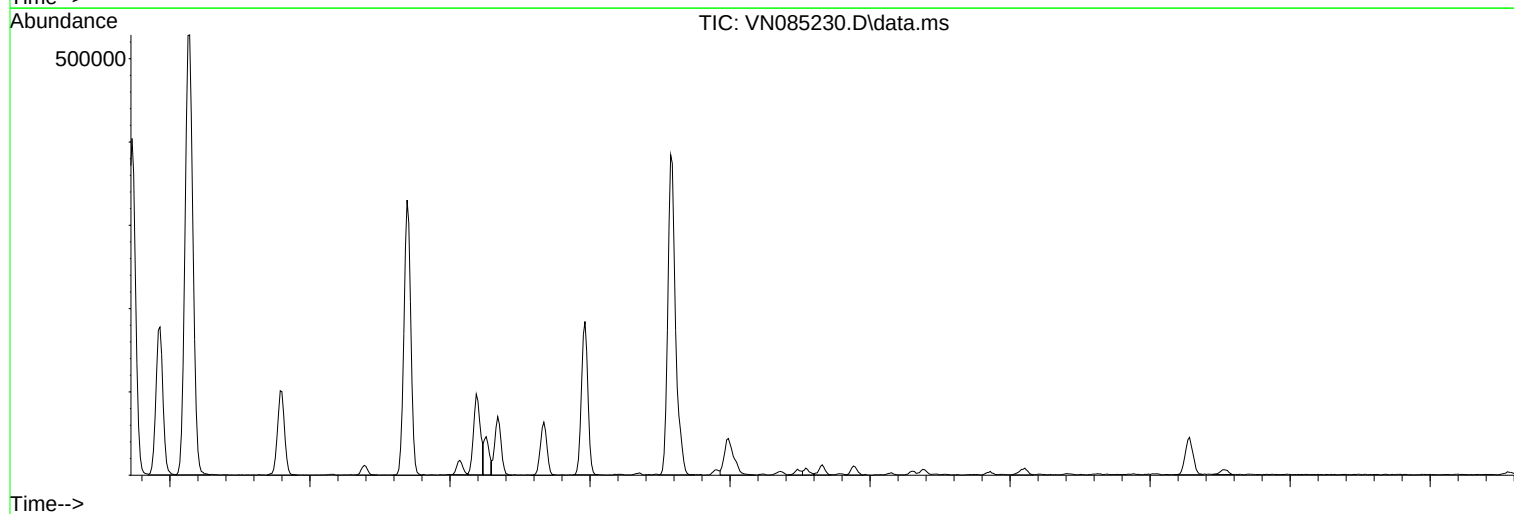
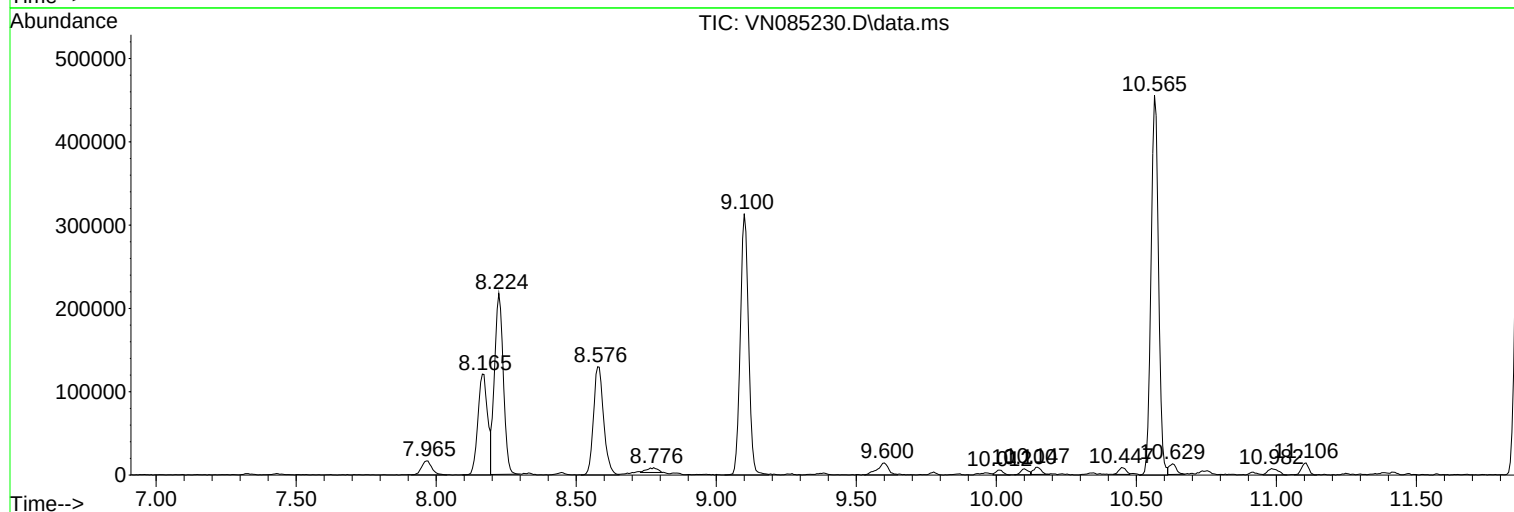
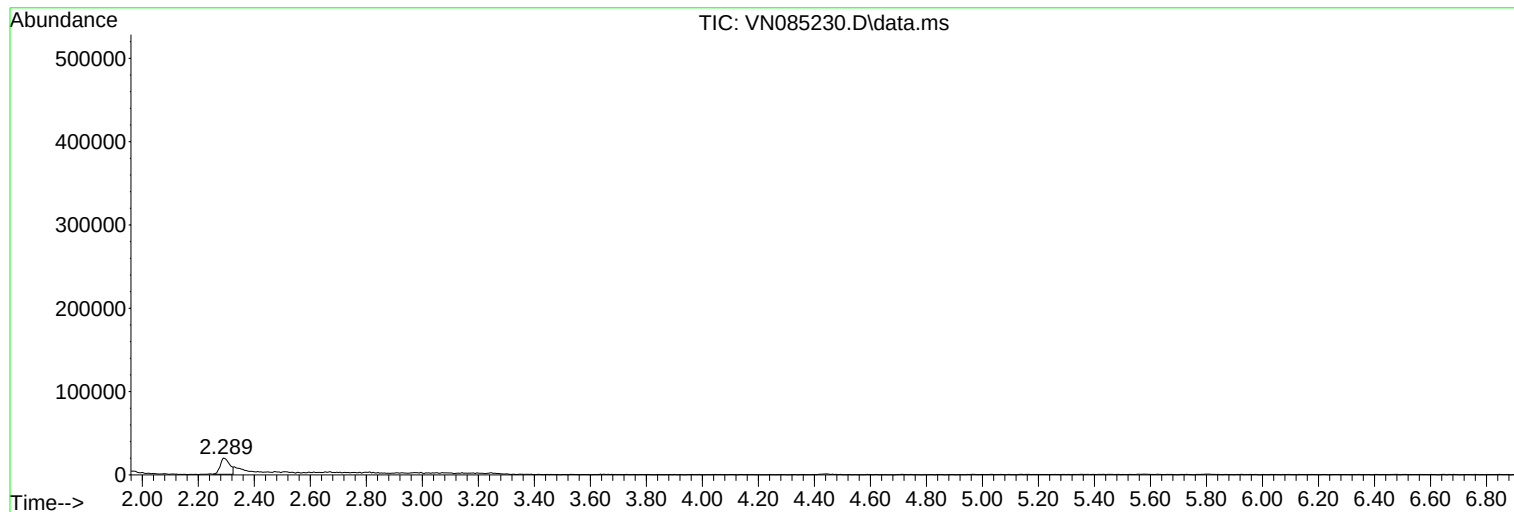
Sum of corrected areas: 7436331

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085230.D
Acq On : 17 Dec 2024 17:33
Operator : JC\MD
Sample : P5291-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW10D-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085230.D
Acq On : 17 Dec 2024 17:33
Operator : JC\MD
Sample : P5291-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW10D-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

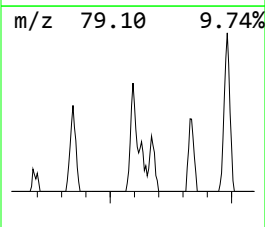
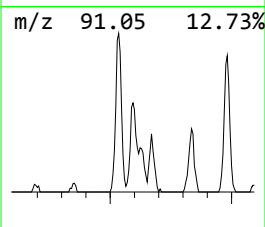
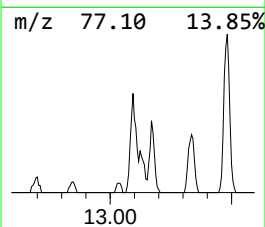
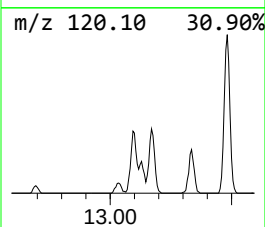
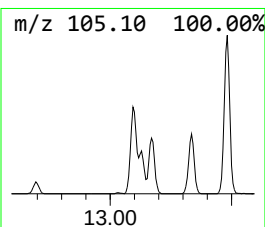
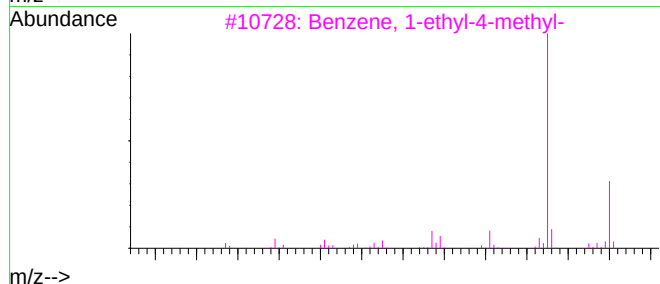
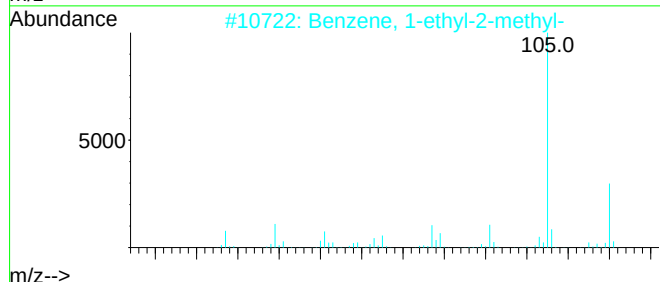
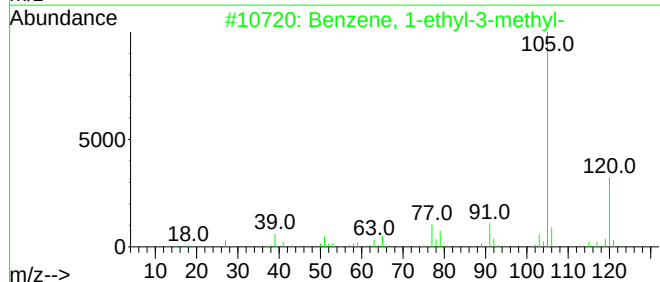
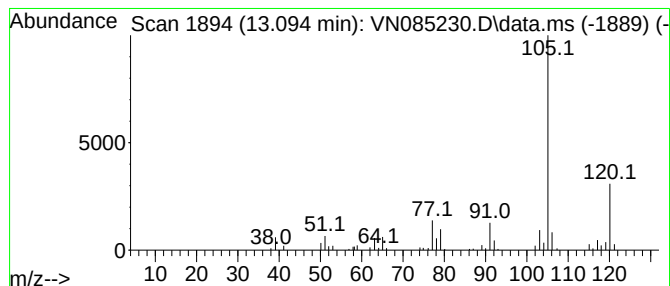
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.094	11.45 ug/l	167774	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085230.D
Acq On : 17 Dec 2024 17:33
Operator : JC\MD
Sample : P5291-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW10D-20241213

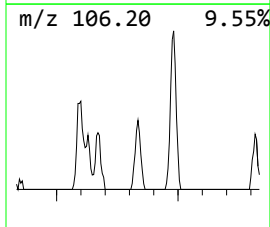
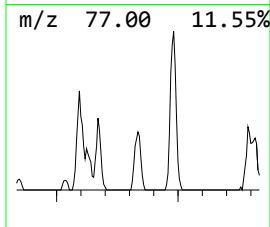
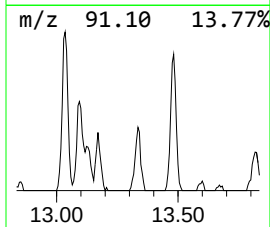
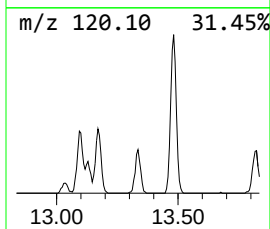
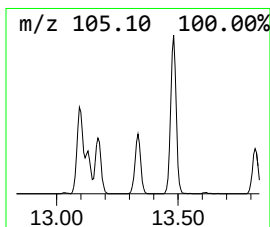
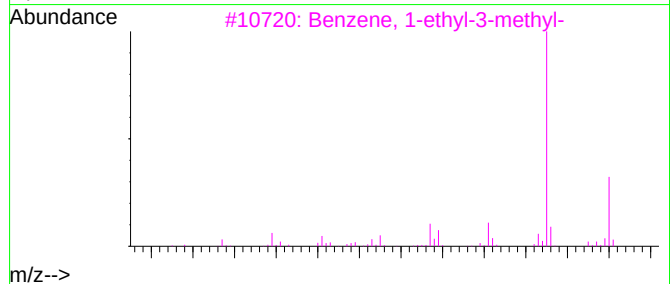
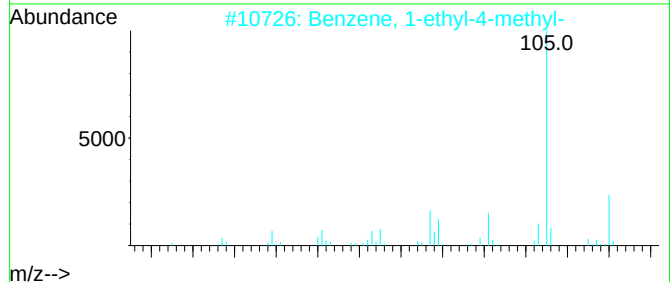
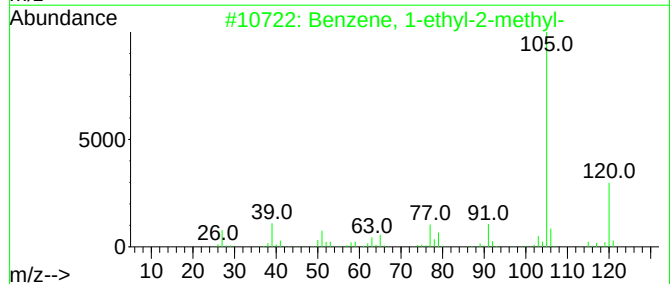
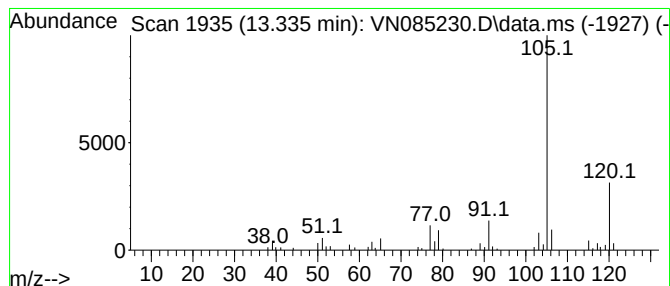
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.335	7.04 ug/l	103176	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085230.D
Acq On : 17 Dec 2024 17:33
Operator : JC\MD
Sample : P5291-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW10D-20241213

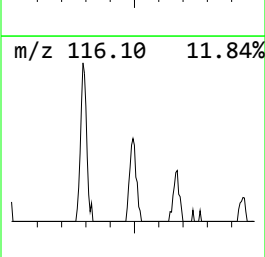
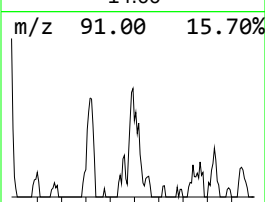
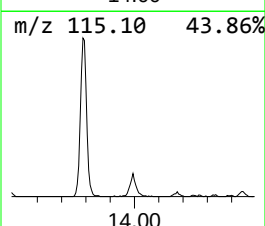
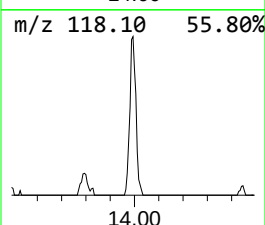
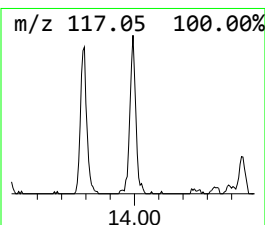
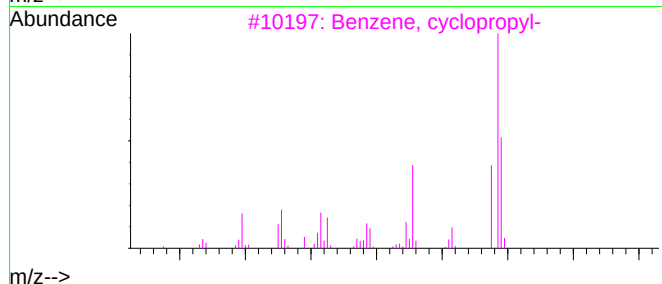
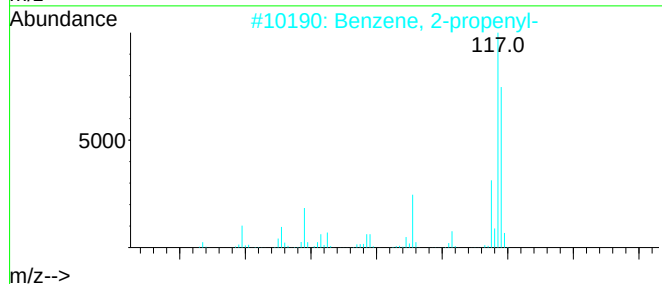
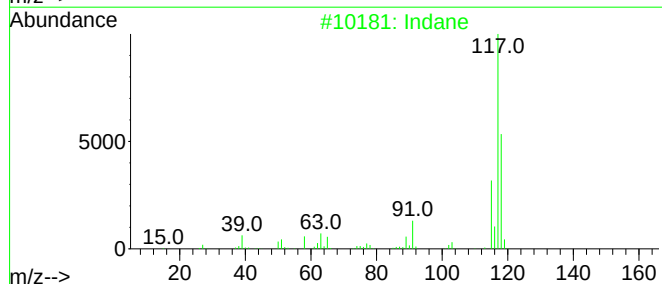
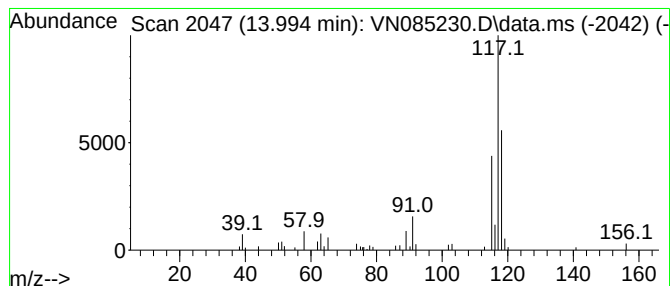
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 3 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	7.08 ug/l	103687	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	70
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085230.D
Acq On : 17 Dec 2024 17:33
Operator : JC\MD
Sample : P5291-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW10D-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-ethy...	13.094	11.4	ug/l	167774	4	13.788	732583	50.0
Benzene, 1-ethy...	13.335	7.0	ug/l	103176	4	13.788	732583	50.0
Indane	13.994	7.1	ug/l	103687	4	13.788	732583	50.0

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24	
Client Sample ID:	MW4-20241213		SDG No.:	P5291	
Lab Sample ID:	P5291-03		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085231.D	1		12/17/24 17:57	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	UQ	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	UQ	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
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	5.30		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	5.40		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
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW4-20241213			SDG No.:	P5291
Lab Sample ID:	P5291-03			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085231.D	1		12/17/24 17:57	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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	49.9		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.1		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		77 - 121	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	8.23			
540-36-3	1,4-Difluorobenzene	258000	9.1			
3114-55-4	Chlorobenzene-d5	223000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	92000	13.788			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW4-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085231.D	1		12/17/24 17:57	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	5.40	J		2.29	ug/L
91-20-3	Naphthalene	1.40	J		15.6	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085231.D
 Acq On : 17 Dec 2024 17:57
 Operator : JC\MD
 Sample : P5291-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4-20241213

Quant Time: Dec 18 00:30:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

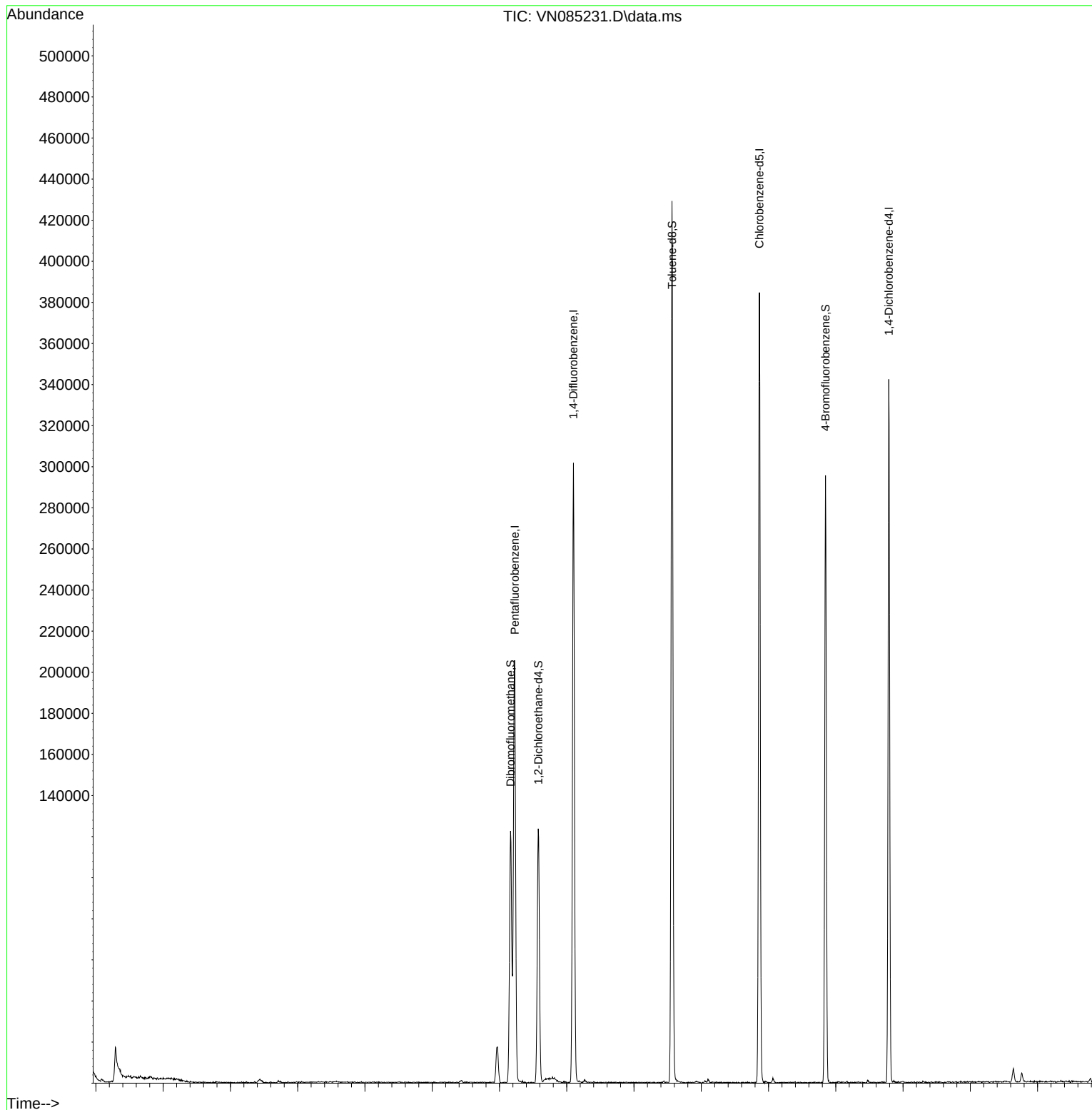
Internal Standards						
1) Pentafluorobenzene	8.230	168	149610	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	9.100	114	257512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	91999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106370	49.914	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.820%
35) Dibromofluoromethane	8.165	113	87106	50.160	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.320%
50) Toluene-d8	10.565	98	299096	48.059	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.120%
62) 4-Bromofluorobenzene	12.847	95	105674	45.405	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.800%
Target Compounds						
16) Acetone	4.442	43	3302	5.320	ug/l	92
30) Chloroform	7.965	83	18449	5.379	ug/l	99
68) m/p-Xylenes	12.065	106	886	0.284	ug/l	97
95) Naphthalene	15.641	128	7001	1.371	ug/l	98

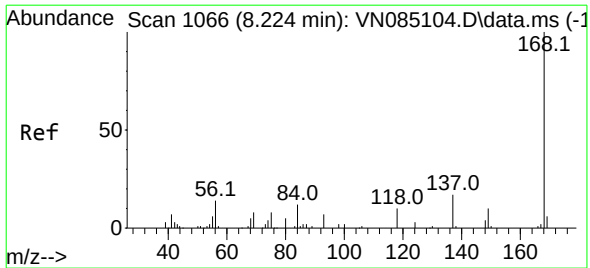
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085231.D
Acq On : 17 Dec 2024 17:57
Operator : JC\MD
Sample : P5291-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4-20241213

Quant Time: Dec 18 00:30:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

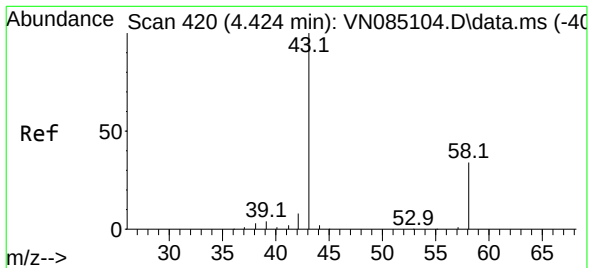
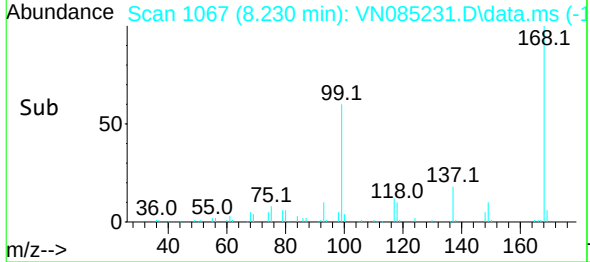
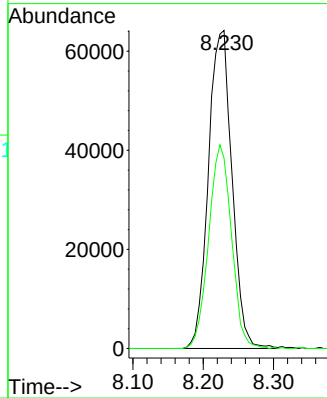
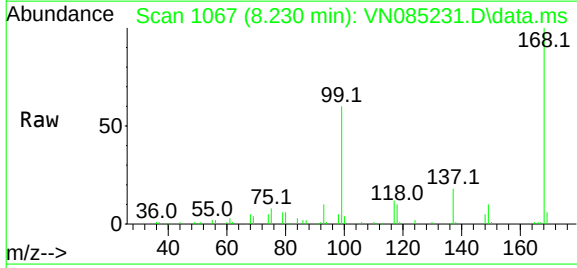




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

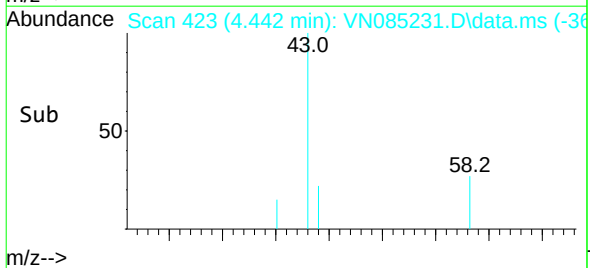
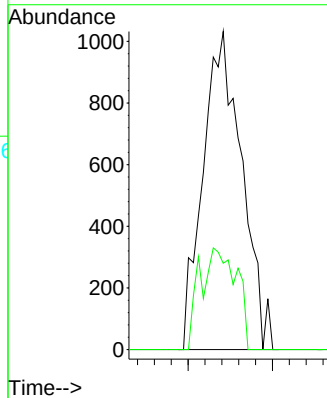
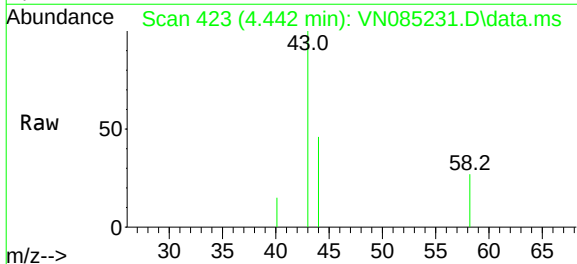
Instrument :
MSVOA_N
ClientSampleId :
MW4-20241213

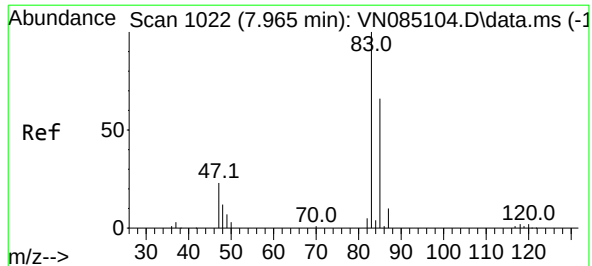
Tgt Ion:168 Resp: 149610
Ion Ratio Lower Upper
168 100
99 59.8 51.2 76.8



#16
Acetone
Concen: 5.320 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN085231.D
Acq: 17 Dec 2024 17:57

Tgt Ion: 43 Resp: 3302
Ion Ratio Lower Upper
43 100
58 27.1 25.4 38.2





#30

Chloroform

Concen: 5.379 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085231.D

Acq: 17 Dec 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

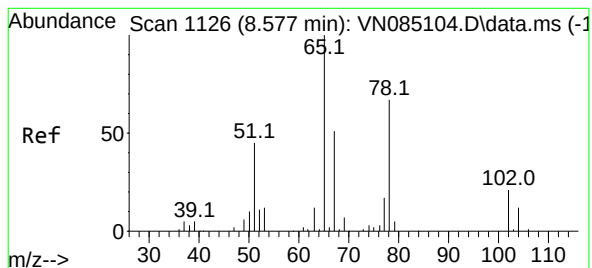
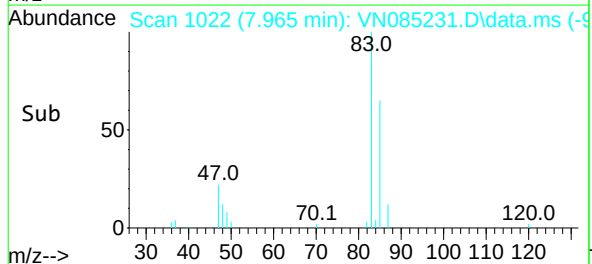
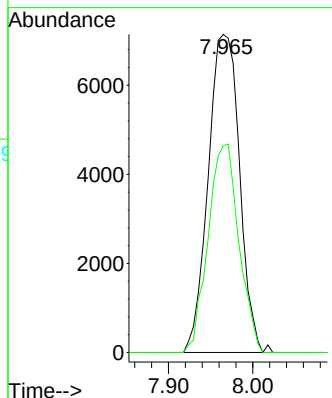
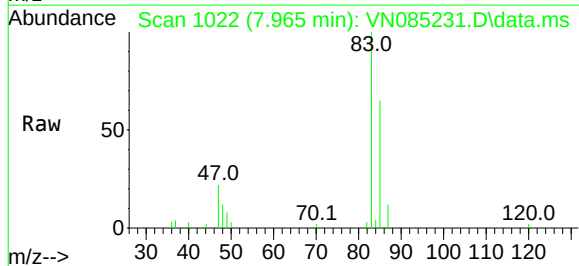
MW4-20241213

Tgt Ion: 83 Resp: 18449

Ion Ratio Lower Upper

83 100

85 65.0 52.6 78.8



#33

1,2-Dichloroethane-d4

Concen: 49.914 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085231.D

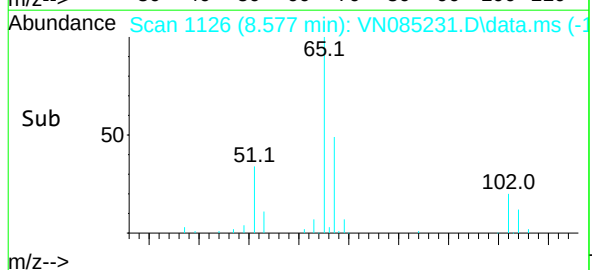
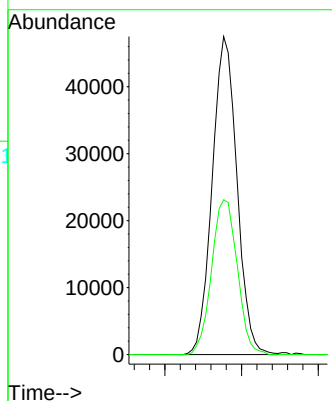
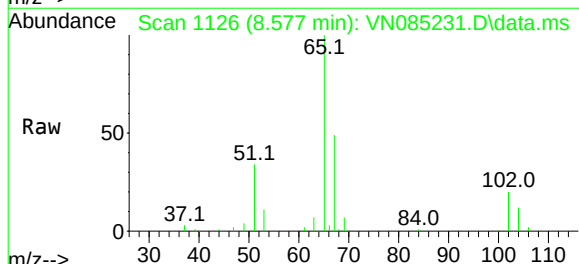
Acq: 17 Dec 2024 17:57

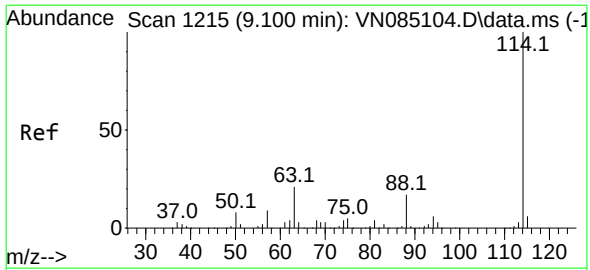
Tgt Ion: 65 Resp: 106370

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085231.D

Acq: 17 Dec 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

MW4-20241213

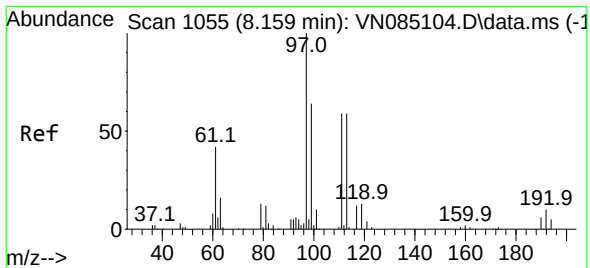
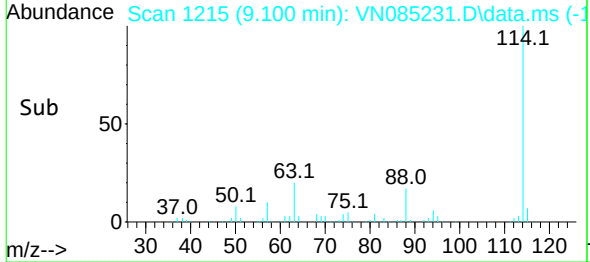
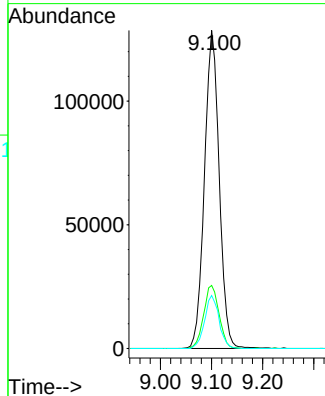
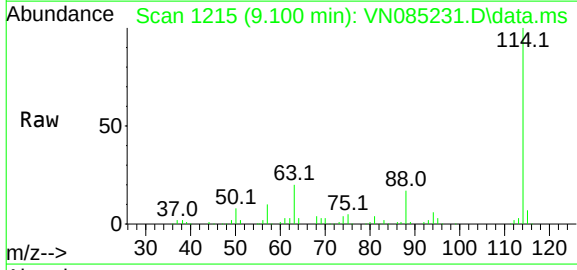
Tgt Ion:114 Resp: 257512

Ion Ratio Lower Upper

114 100

63 19.8 0.0 41.0

88 16.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.160 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085231.D

Acq: 17 Dec 2024 17:57

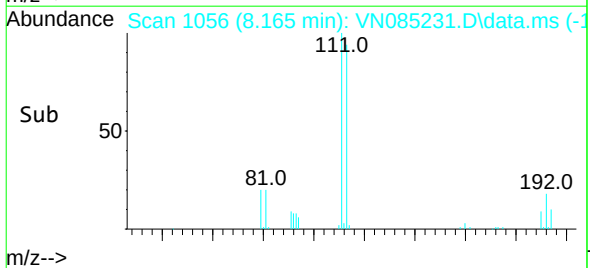
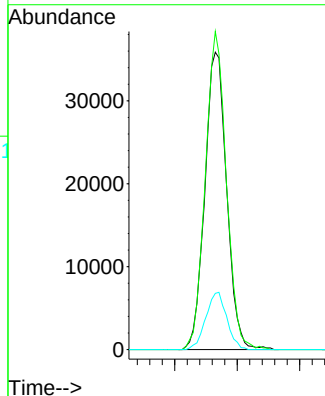
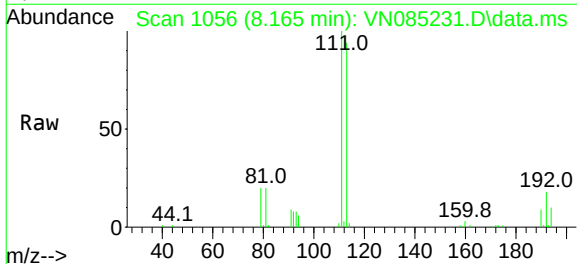
Tgt Ion:113 Resp: 87106

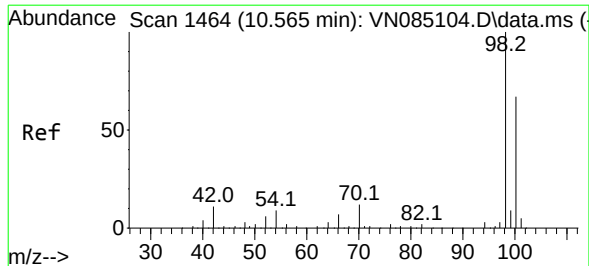
Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 18.4 14.8 22.2





#50

Toluene-d8

Concen: 48.059 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085231.D

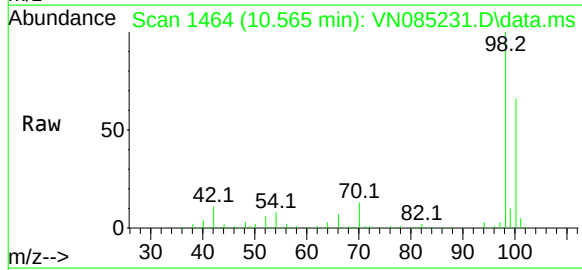
Acq: 17 Dec 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

MW4-20241213

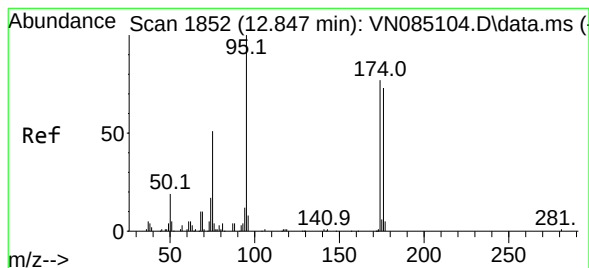
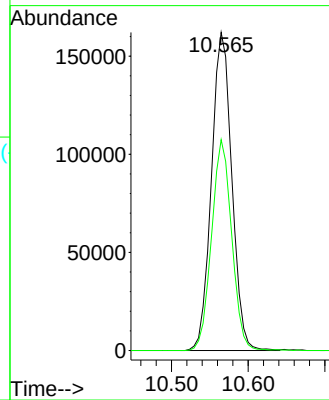
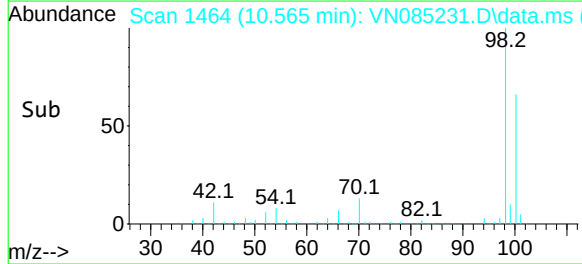


Tgt Ion: 98 Resp: 299096

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 45.405 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085231.D

Acq: 17 Dec 2024 17:57

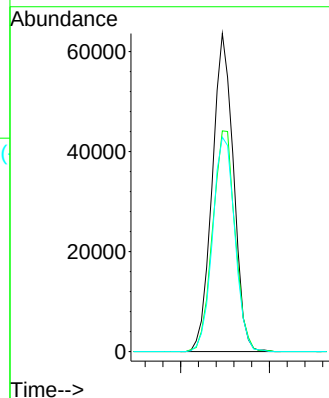
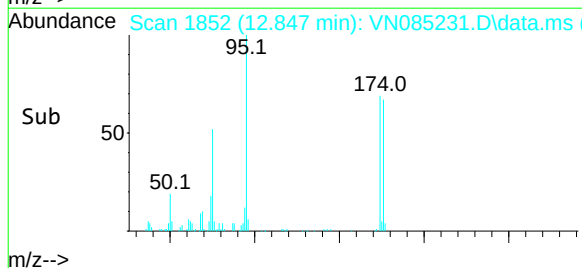
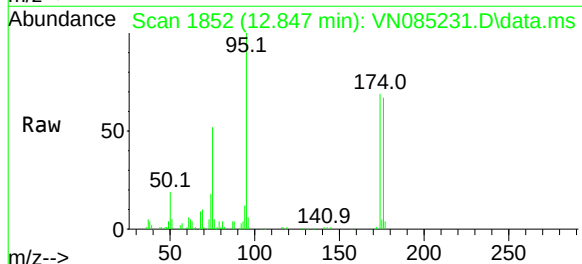
Tgt Ion: 95 Resp: 105674

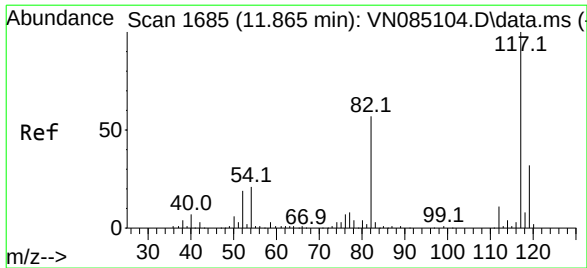
Ion Ratio Lower Upper

95 100

174 73.2 0.0 146.6

176 70.5 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. 0.006 min

Lab File: VN085231.D

Acq: 17 Dec 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

MW4-20241213

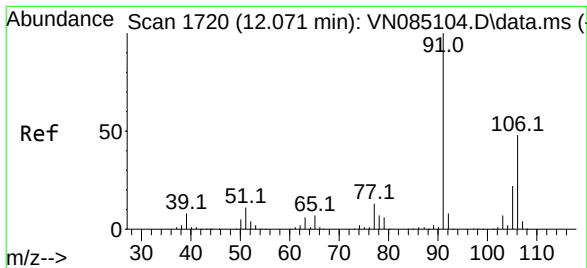
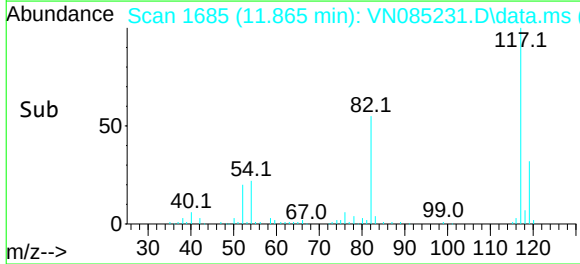
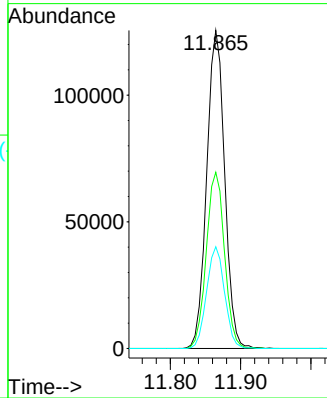
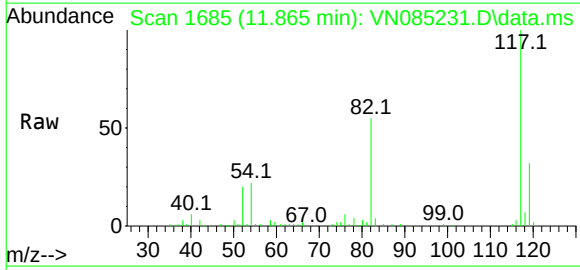
Tgt Ion:117 Resp: 222900

Ion Ratio Lower Upper

117 100

82 55.4 46.0 69.0

119 32.0 25.6 38.4



#68

m/p-Xylenes

Concen: 0.284 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN085231.D

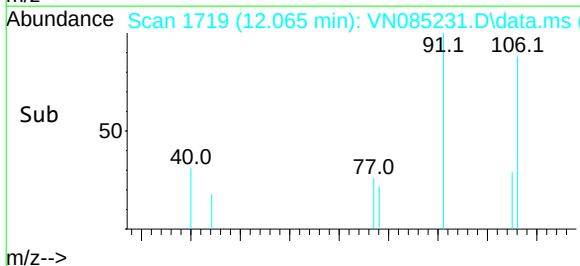
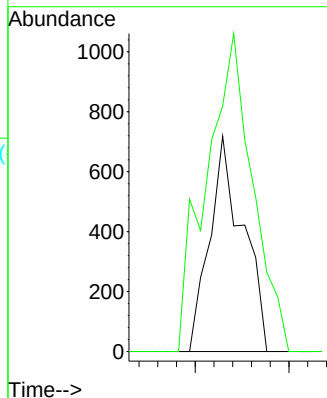
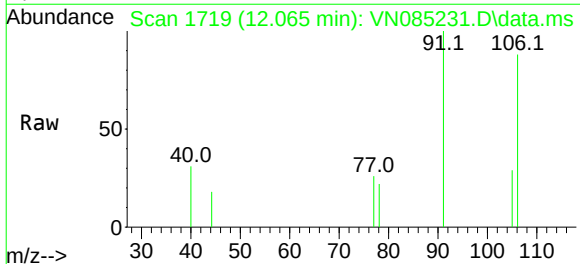
Acq: 17 Dec 2024 17:57

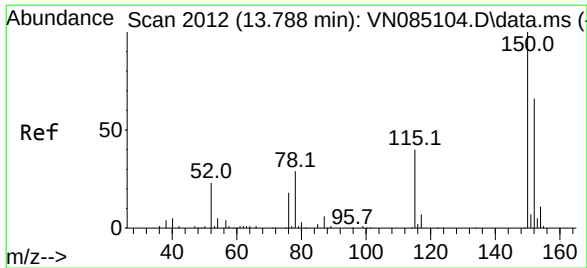
Tgt Ion:106 Resp: 886

Ion Ratio Lower Upper

106 100

91 205.8 168.0 252.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085231.D

Acq: 17 Dec 2024 17:57

Instrument :

MSVOA_N

ClientSampleId :

MW4-20241213

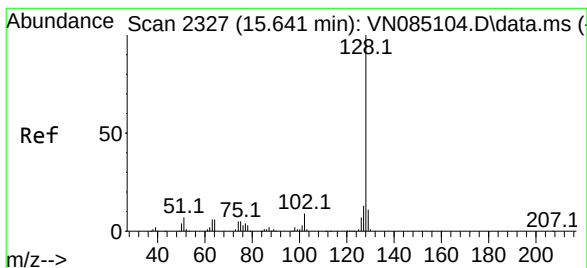
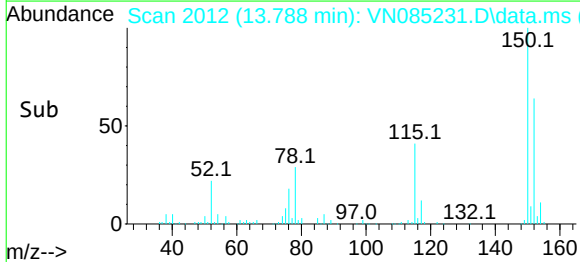
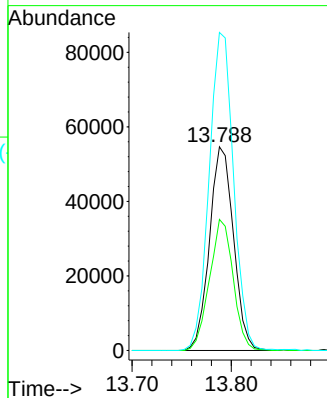
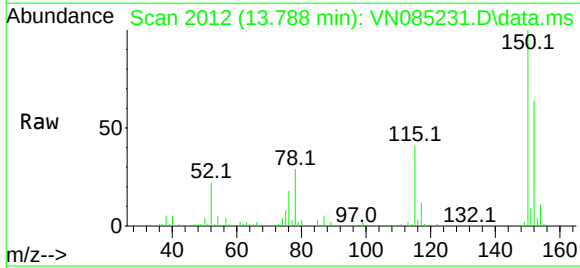
Tgt Ion:152 Resp: 91999

Ion Ratio Lower Upper

152 100

115 63.3 31.7 95.1

150 158.6 0.0 351.4



#95

Naphthalene

Concen: 1.371 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN085231.D

Acq: 17 Dec 2024 17:57

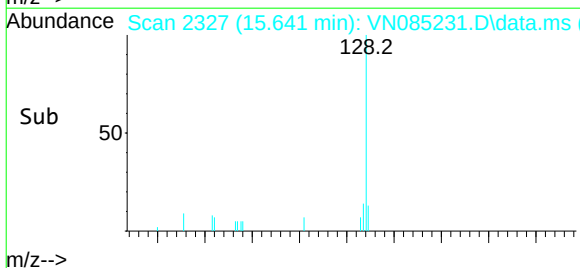
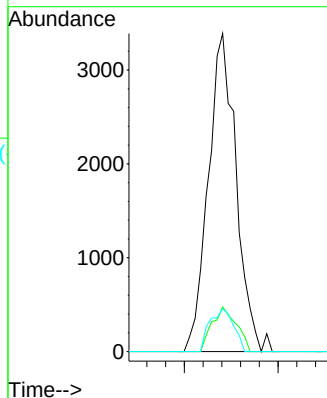
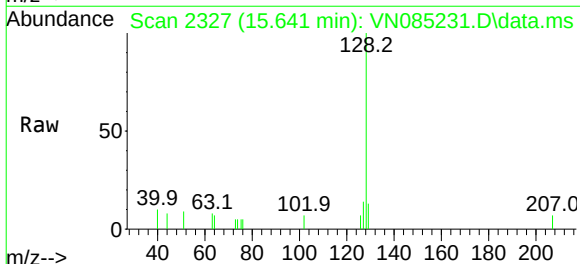
Tgt Ion:128 Resp: 7001

Ion Ratio Lower Upper

128 100

127 12.3 10.6 16.0

129 11.5 8.6 12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085231.D
Acq On : 17 Dec 2024 17:57
Operator : JC\MD
Sample : P5291-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4-20241213

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M

Title : SW846 8260

Signal : TIC: VN085231.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	67	rBV	16880	49054	6.20%	1.143%
2	7.965	1014	1022	1030	rVB2	17461	43530	5.50%	1.014%
3	8.165	1045	1056	1061	rBV	122596	294541	37.21%	6.861%
4	8.224	1061	1066	1077	rVB2	205023	454889	57.46%	10.596%
5	8.577	1116	1126	1137	rBV	123867	282133	35.64%	6.572%
6	9.100	1205	1215	1227	rBV	301687	604445	76.35%	14.080%
7	10.565	1455	1464	1474	rBV	429145	791663	100.00%	18.441%
8	11.865	1677	1685	1699	rVB	384813	680808	86.00%	15.859%
9	12.847	1845	1852	1859	rBV	295614	498358	62.95%	11.609%
10	13.788	2005	2012	2021	rBV	342189	571178	72.15%	13.305%
11	15.641	2318	2327	2336	rBV	6720	14006	1.77%	0.326%
12	15.764	2341	2348	2354	rBV2	4414	8348	1.05%	0.194%

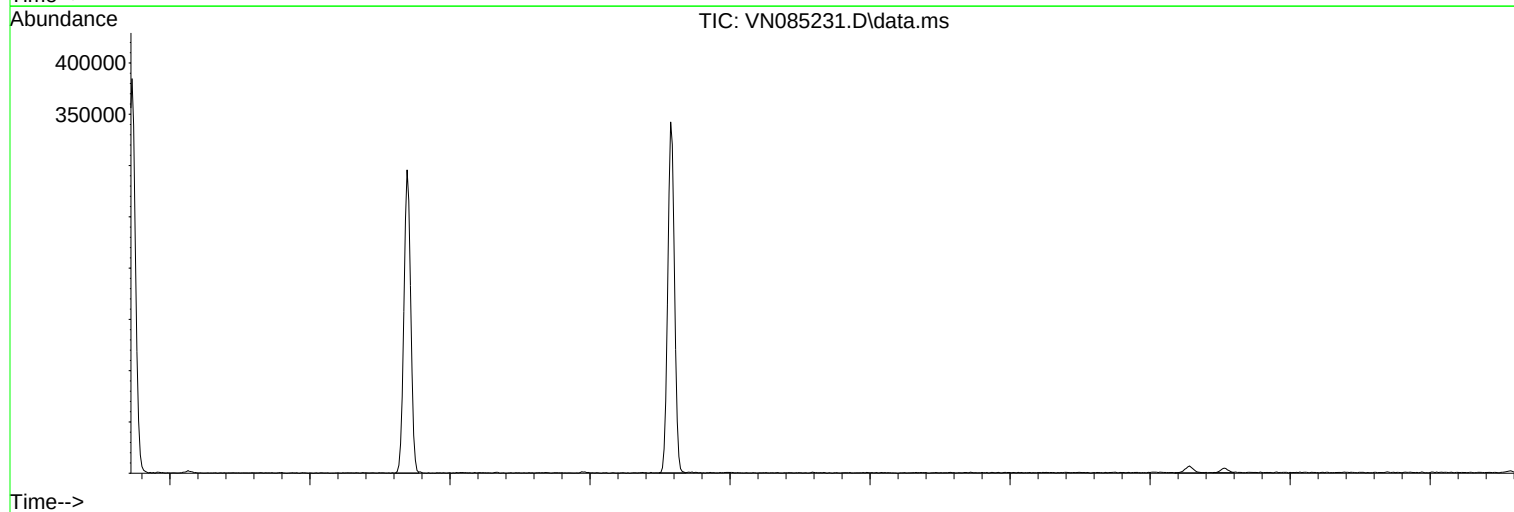
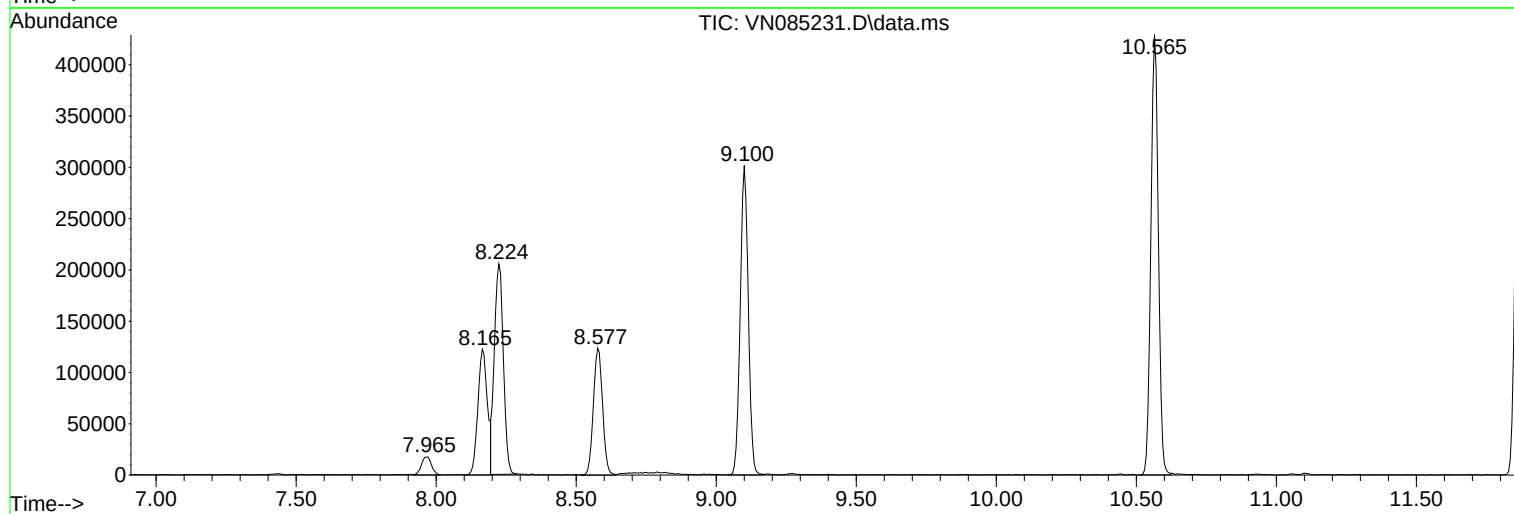
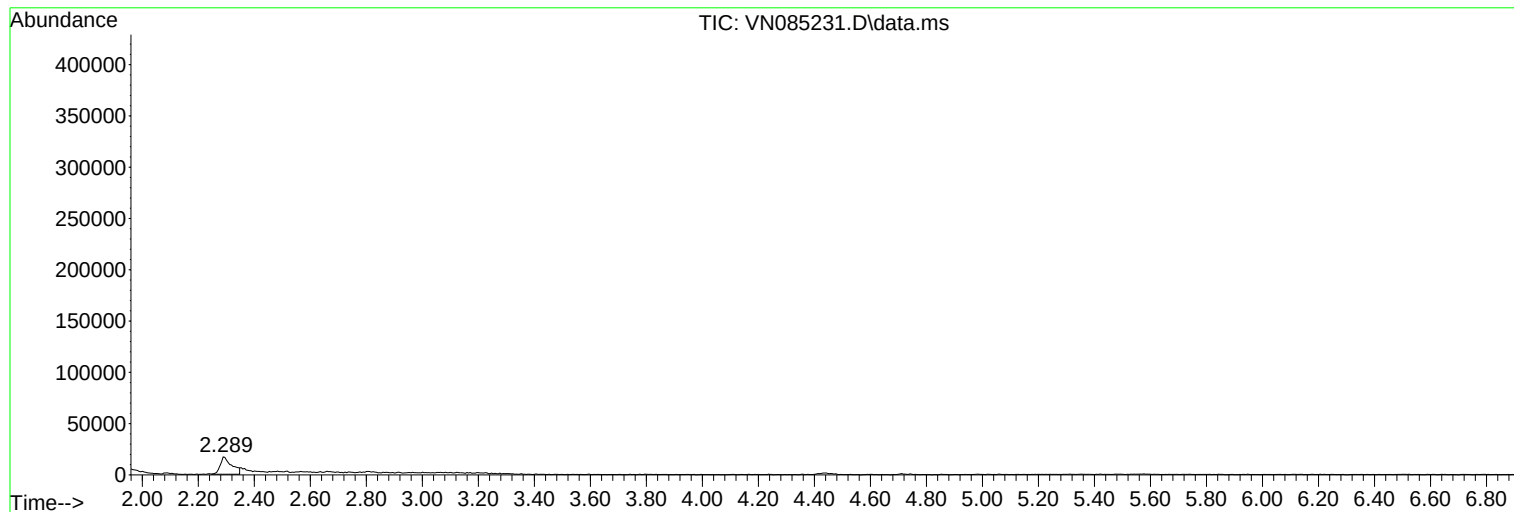
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085231.D
Acq On : 17 Dec 2024 17:57
Operator : JC\MD
Sample : P5291-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085231.D
Acq On : 17 Dec 2024 17:57
Operator : JC\MD
Sample : P5291-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4-20241213

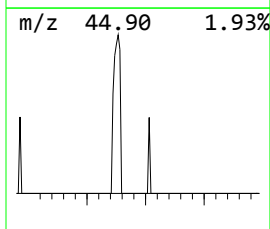
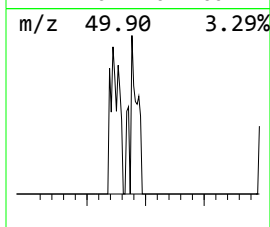
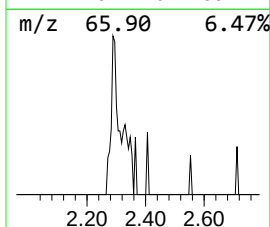
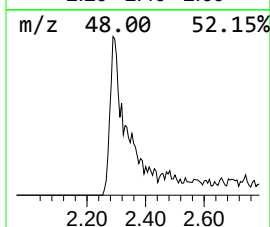
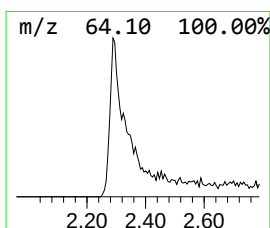
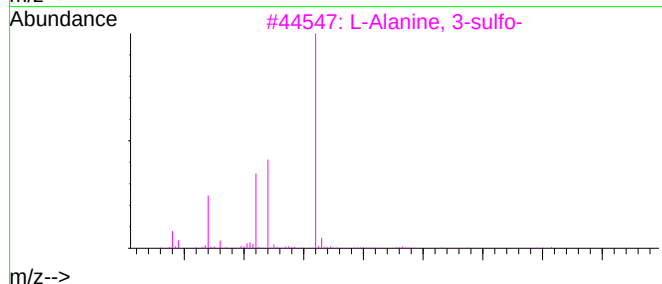
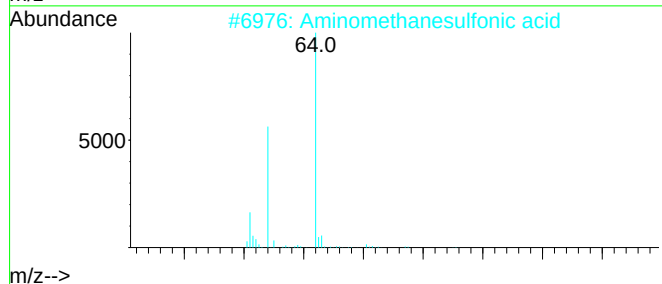
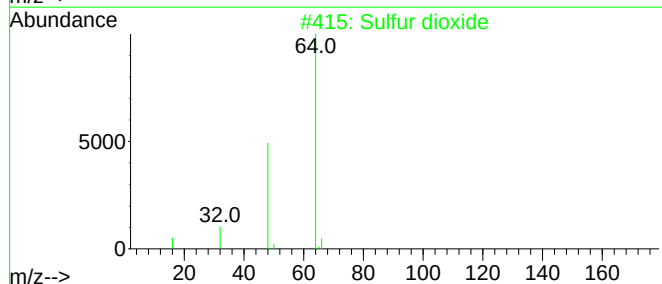
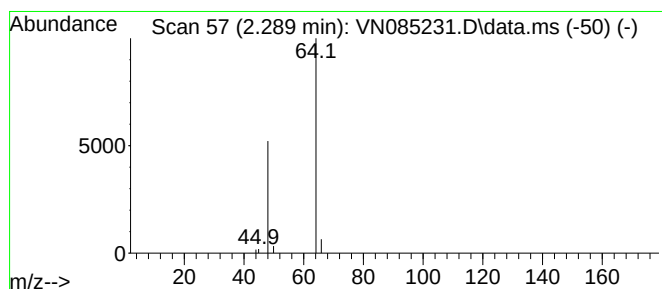
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.289	5.39 ug/l	49054	Pentafluorobenzene	8.230

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	74
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085231.D
Acq On : 17 Dec 2024 17:57
Operator : JC\MD
Sample : P5291-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.289	5.4	ug/l	49054	1	8.230	454889	50.0

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24	
Client Sample ID:	MW5-20241213		SDG No.:	P5291	
Lab Sample ID:	P5291-04		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085232.D	1		12/17/24 18:21	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	UQ	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	UQ	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
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	7.30		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	0.93	J	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	2.10	J	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW5-20241213			SDG No.:	P5291
Lab Sample ID:	P5291-04			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085232.D	1		12/17/24 18:21	VN121724

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24
Client Sample ID:	MW5-20241213		SDG No.:	P5291
Lab Sample ID:	P5291-04		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085232.D	1		12/17/24 18:21	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
91-20-3	Naphthalene	1.20	J		15.6	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085232.D
Acq On : 17 Dec 2024 18:21
Operator : JC\MD
Sample : P5291-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5-20241213

Quant Time: Dec 18 00:30:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

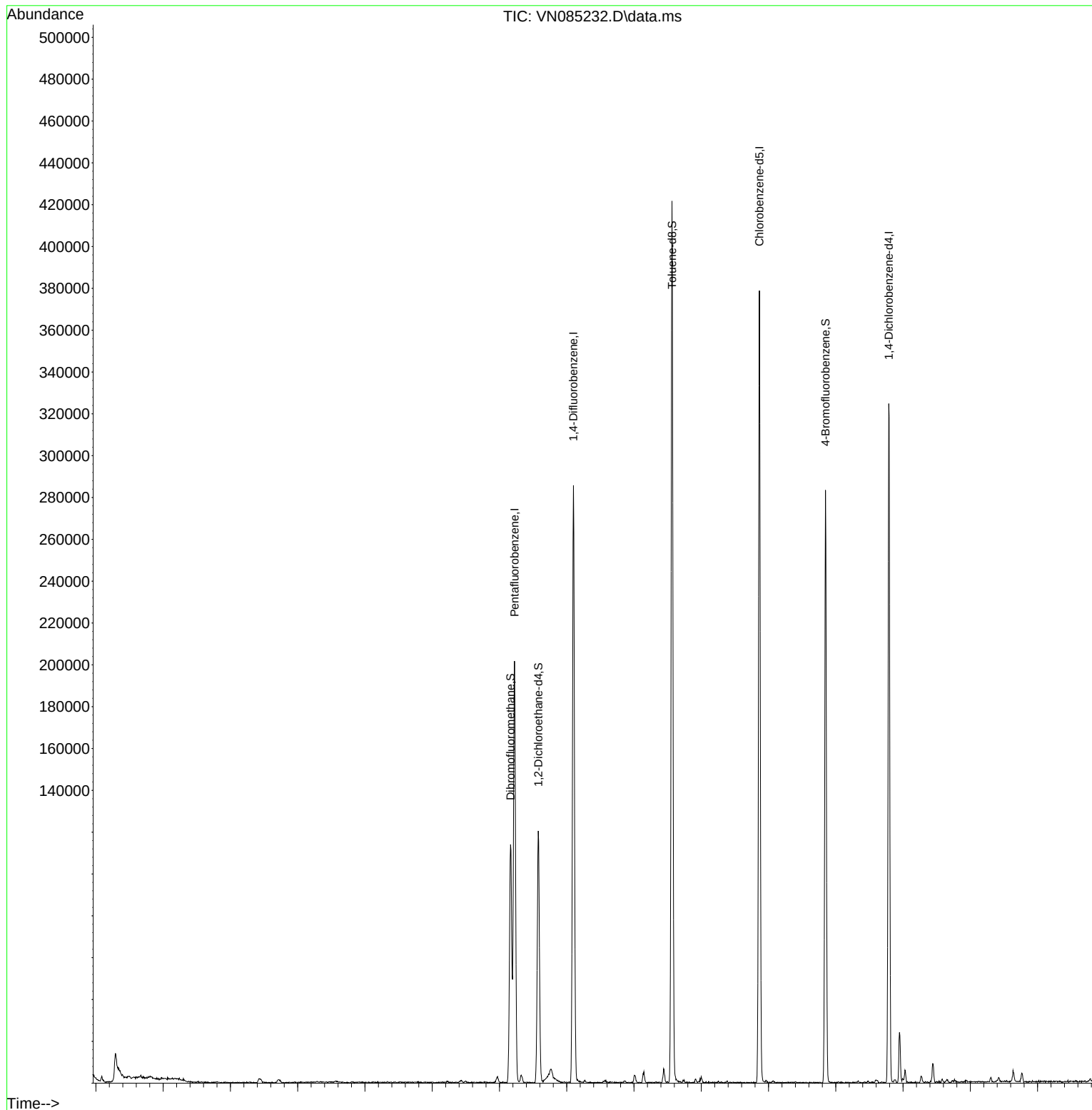
Internal Standards						
1) Pentafluorobenzene	8.224	168	141905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	214558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	86832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103007	50.960	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	101.920%	
35) Dibromofluoromethane	8.165	113	83293	50.323	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.640%	
50) Toluene-d8	10.565	98	288503	48.637	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	97.280%	
62) 4-Bromofluorobenzene	12.847	95	97926	44.145	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	88.280%	
Target Compounds						
						Qvalue
16) Acetone	4.436	43	4289	7.286	ug/l	95
30) Chloroform	7.959	83	3020	0.928	ug/l	88
51) 4-Methyl-2-Pentanone	10.441	43	4140	2.141	ug/l	94
95) Naphthalene	15.635	128	5638	1.169	ug/l	96

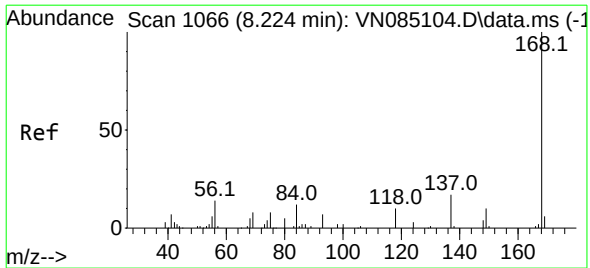
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085232.D
Acq On : 17 Dec 2024 18:21
Operator : JC\MD
Sample : P5291-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5-20241213

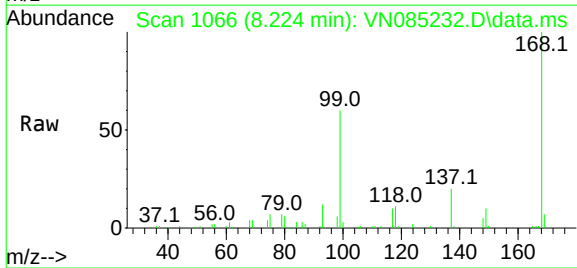
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Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



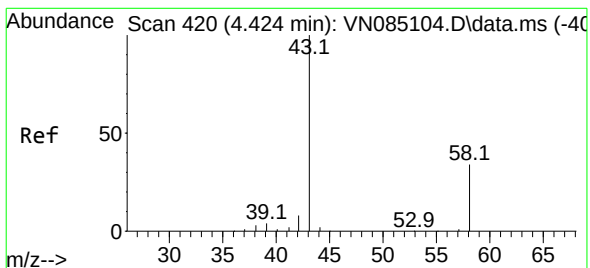
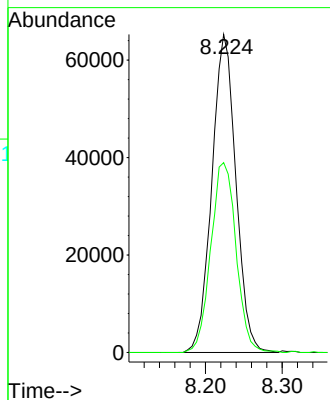
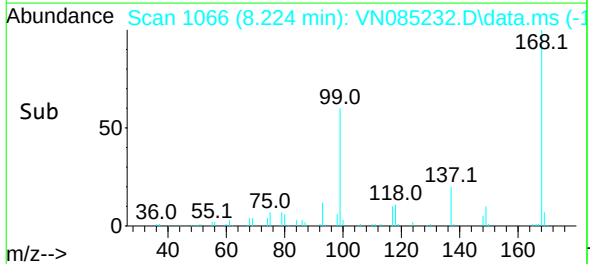


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085232.D
Acq: 17 Dec 2024 18:21

Instrument :
MSVOA_N
ClientSampleId :
MW5-20241213

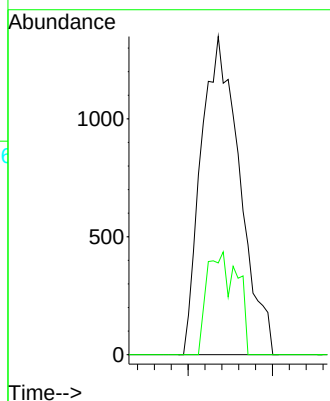
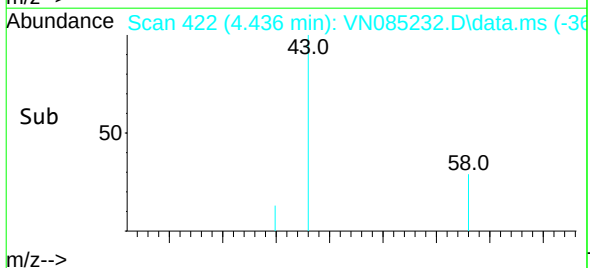
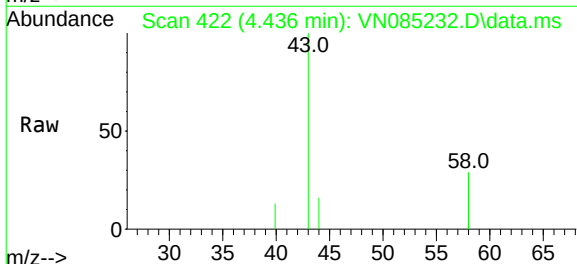


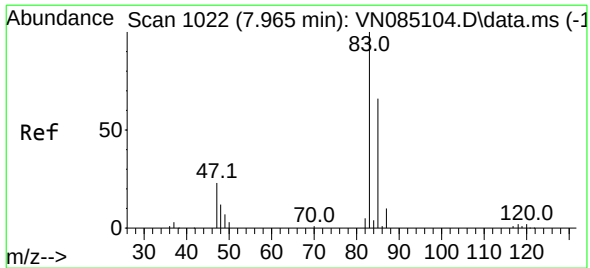
Tgt Ion:168 Resp: 141905
Ion Ratio Lower Upper
168 100
99 59.7 51.2 76.8



#16
Acetone
Concen: 7.286 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN085232.D
Acq: 17 Dec 2024 18:21

Tgt Ion: 43 Resp: 4289
Ion Ratio Lower Upper
43 100
58 28.8 25.4 38.2





#30

Chloroform

Concen: 0.928 ug/l

RT: 7.959 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN085232.D

Acq: 17 Dec 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

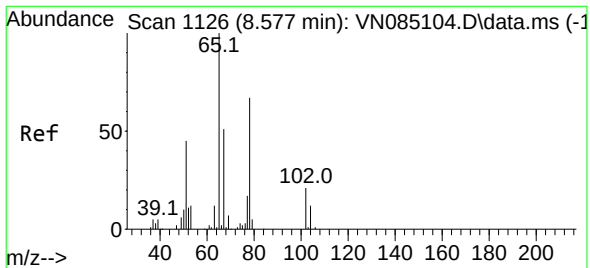
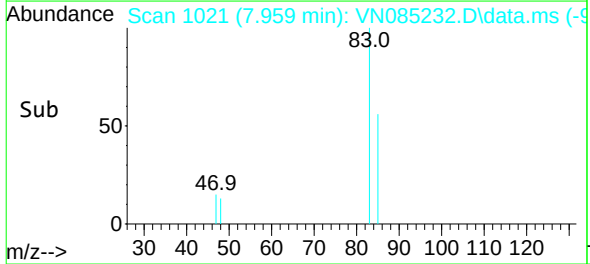
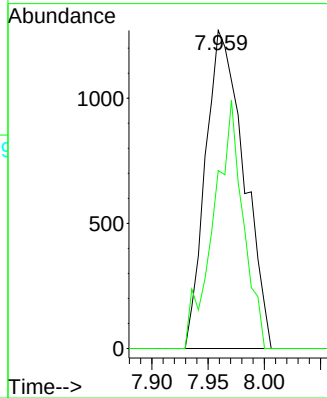
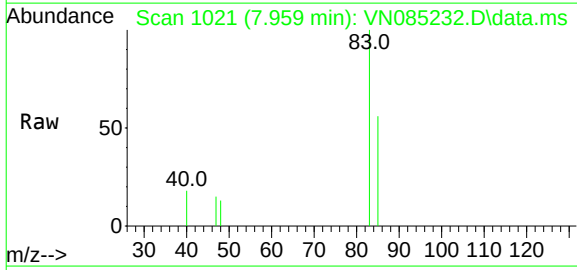
MW5-20241213

Tgt Ion: 83 Resp: 3020

Ion Ratio Lower Upper

83 100

85 55.9 52.6 78.8



#33

1,2-Dichloroethane-d4

Concen: 50.960 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085232.D

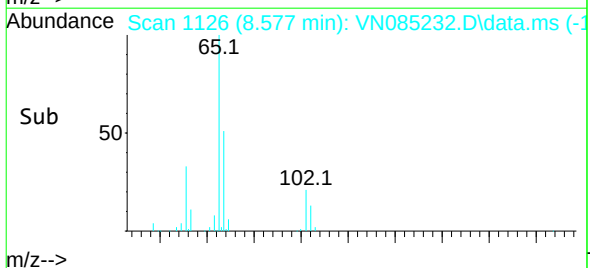
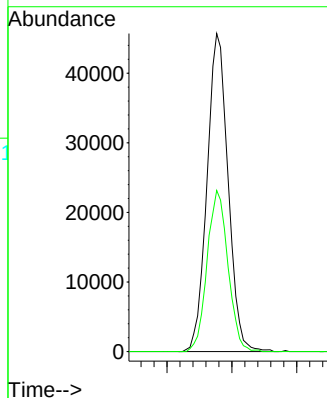
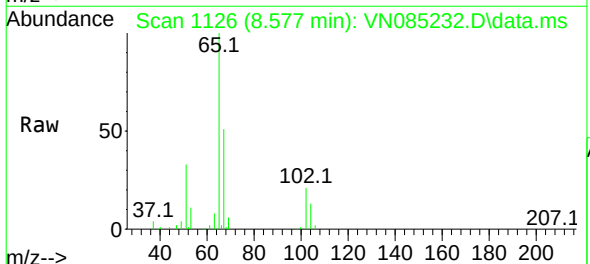
Acq: 17 Dec 2024 18:21

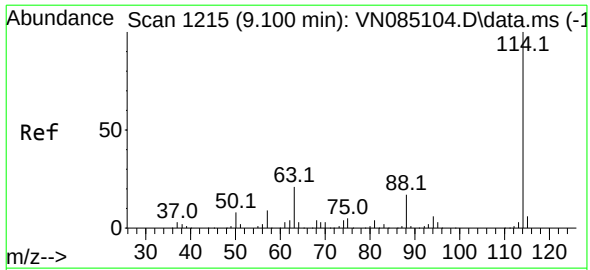
Tgt Ion: 65 Resp: 103007

Ion Ratio Lower Upper

65 100

67 50.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085232.D

Acq: 17 Dec 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

MW5-20241213

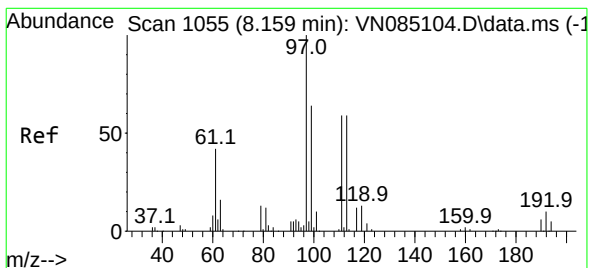
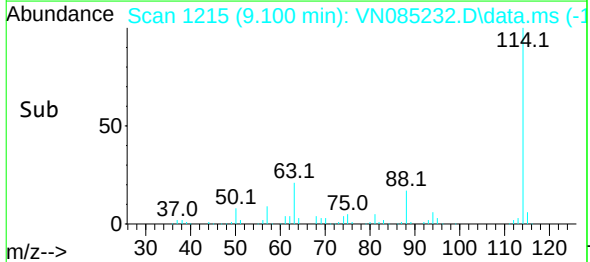
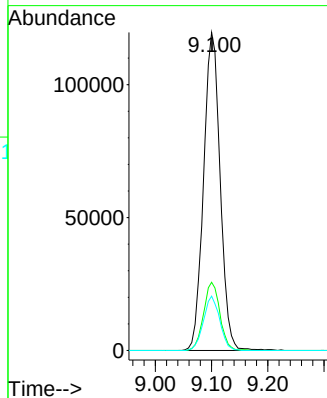
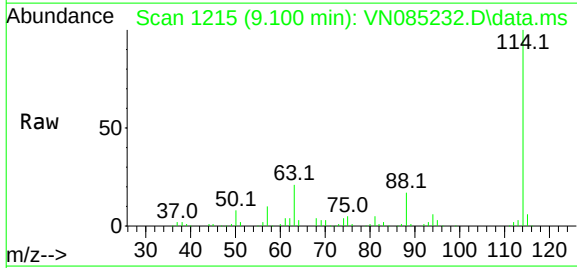
Tgt Ion:114 Resp: 245442

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.0

88 17.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.323 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085232.D

Acq: 17 Dec 2024 18:21

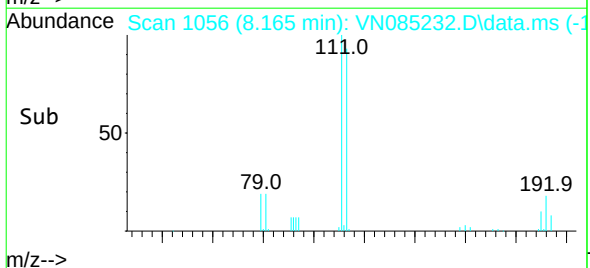
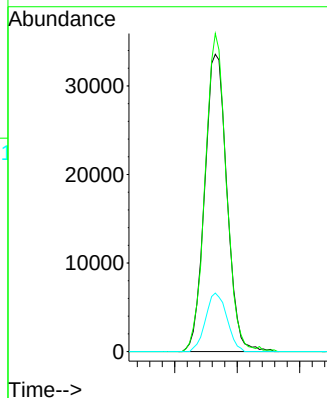
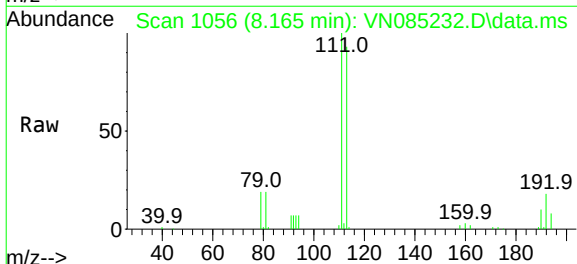
Tgt Ion:113 Resp: 83293

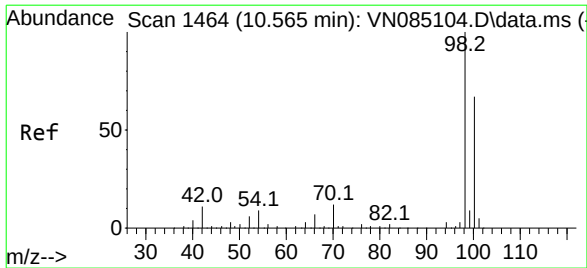
Ion Ratio Lower Upper

113 100

111 101.8 82.0 123.0

192 18.8 14.8 22.2





#50

Toluene-d8

Concen: 48.637 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085232.D

Acq: 17 Dec 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

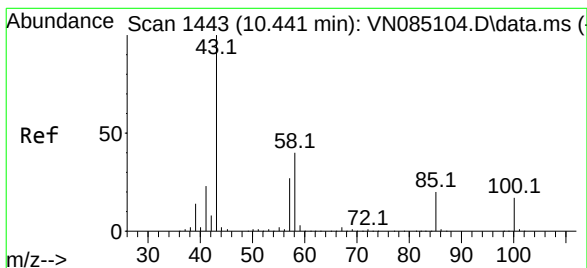
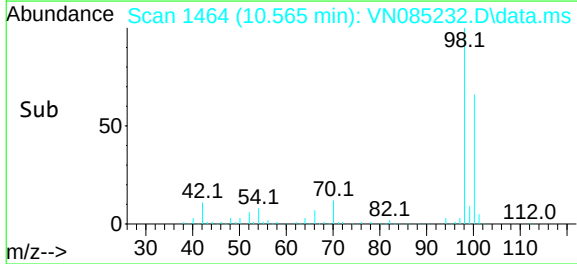
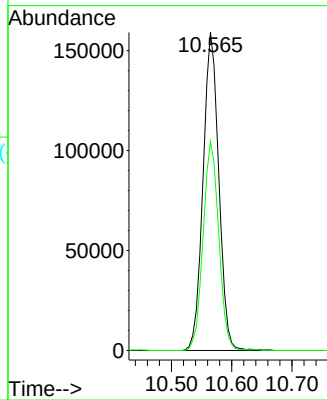
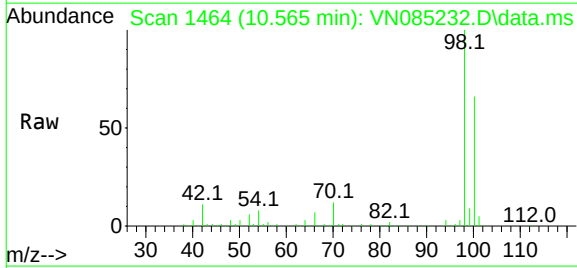
MW5-20241213

Tgt Ion: 98 Resp: 288503

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 2.141 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN085232.D

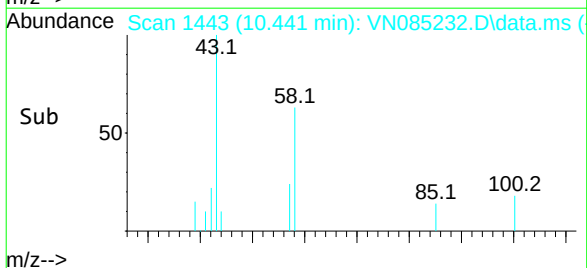
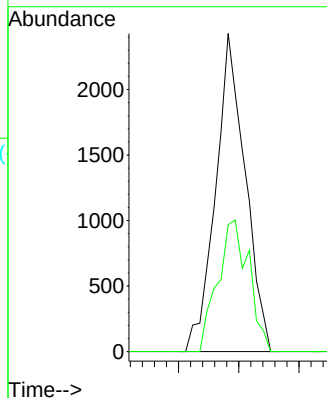
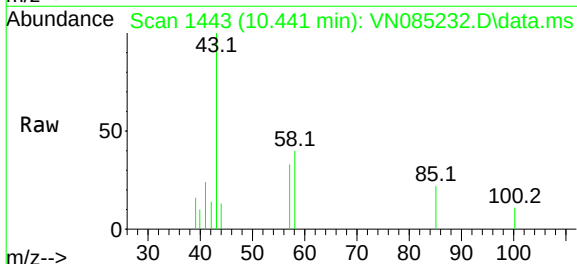
Acq: 17 Dec 2024 18:21

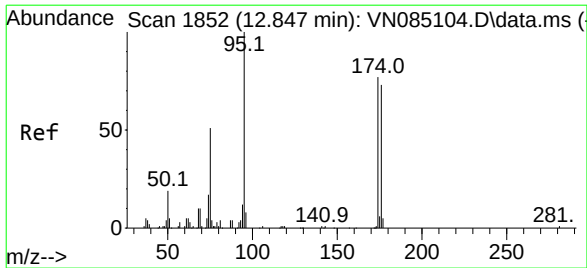
Tgt Ion: 43 Resp: 4140

Ion Ratio Lower Upper

43 100

58 43.6 32.1 48.1

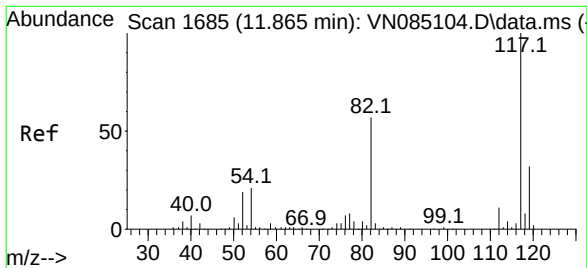
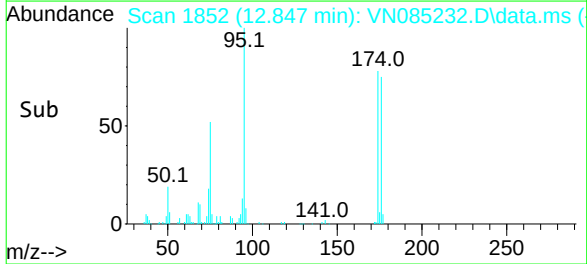
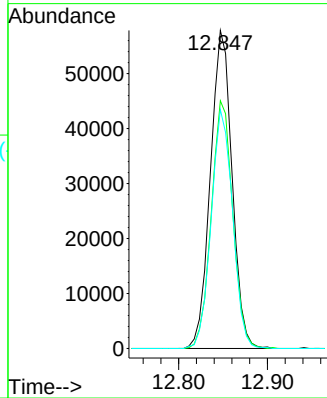
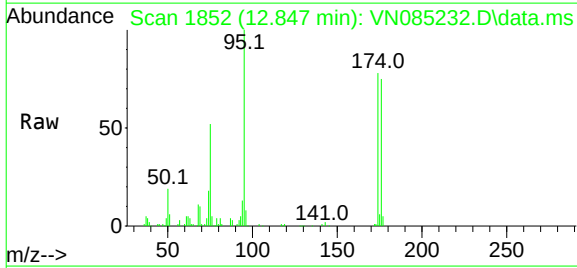




#62
4-Bromofluorobenzene
Concen: 44.145 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085232.D
Acq: 17 Dec 2024 18:21

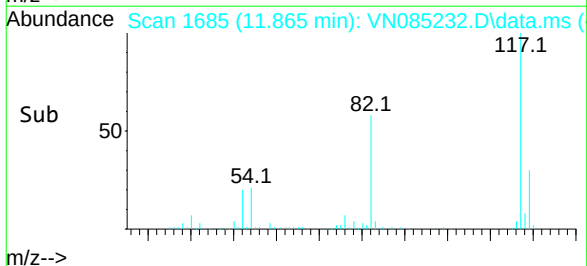
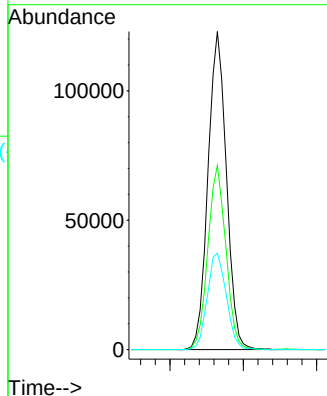
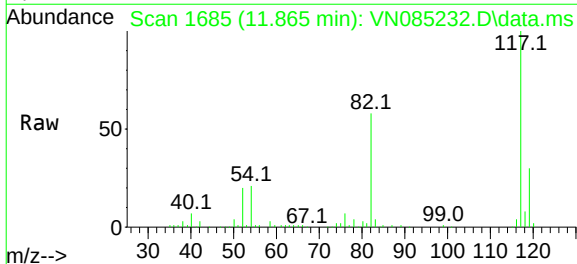
Instrument :
MSVOA_N
ClientSampleId :
MW5-20241213

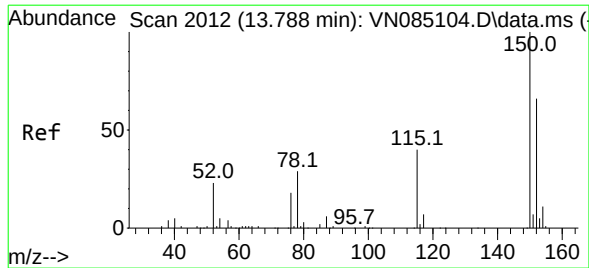
Tgt Ion:	95	Resp:	97926
Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	146.6
176	74.3	0.0	141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085232.D
Acq: 17 Dec 2024 18:21

Tgt Ion:	117	Resp:	214558
Ion	Ratio	Lower	Upper
117	100		
82	58.0	46.0	69.0
119	30.3	25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085232.D

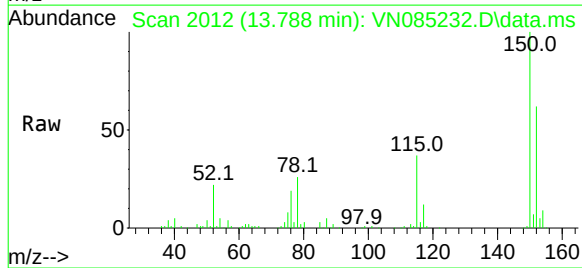
Acq: 17 Dec 2024 18:21

Instrument :

MSVOA_N

ClientSampleId :

MW5-20241213



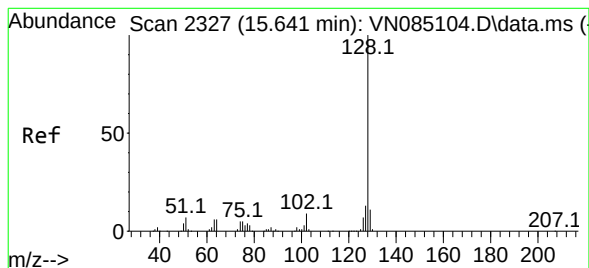
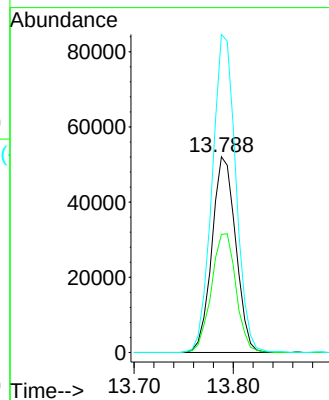
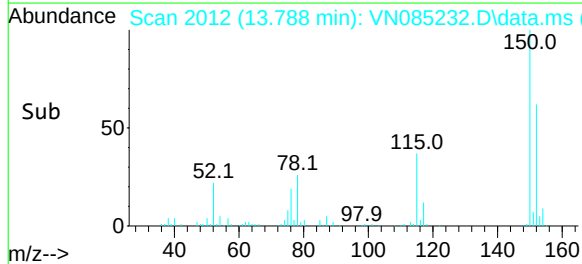
Tgt Ion:152 Resp: 86832

Ion Ratio Lower Upper

152 100

115 62.8 31.7 95.1

150 161.9 0.0 351.4



#95

Naphthalene

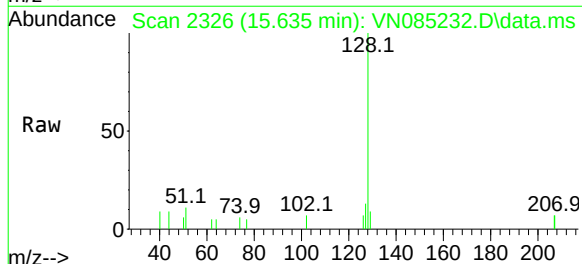
Concen: 1.169 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.006 min

Lab File: VN085232.D

Acq: 17 Dec 2024 18:21



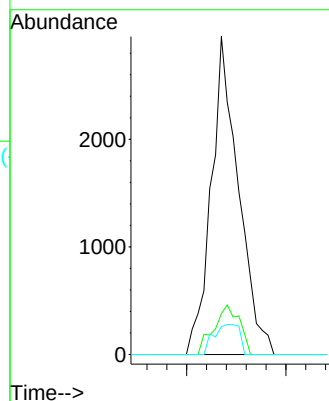
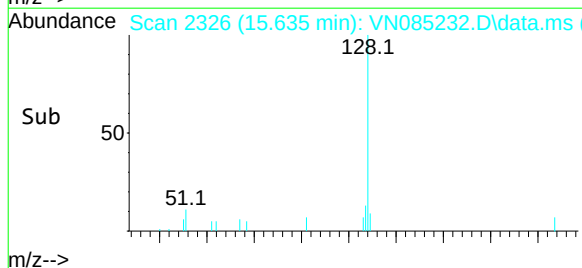
Tgt Ion:128 Resp: 5638

Ion Ratio Lower Upper

128 100

127 14.7 10.6 16.0

129 9.0 8.6 12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085232.D
 Acq On : 17 Dec 2024 18:21
 Operator : JC\MD
 Sample : P5291-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW5-20241213

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M

Title : SW846 8260

Signal : TIC: VN085232.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	49	57	65	rBV2	13379	39091	5.07%	0.933%
2	8.165	1047	1056	1061	rBV2	114127	281154	36.46%	6.713%
3	8.224	1061	1066	1078	rVV	201568	434593	56.35%	10.377%
4	8.577	1117	1126	1136	rBV	120379	271012	35.14%	6.471%
5	8.730	1138	1152	1154	rBV7	3937	11913	1.54%	0.284%
6	8.759	1154	1157	1164	rVB6	4251	10988	1.42%	0.262%
7	9.100	1207	1215	1224	rBV	285552	579699	75.17%	13.842%
8	10.006	1365	1369	1379	rBB4	3828	8347	1.08%	0.199%
9	10.147	1387	1393	1400	rVB5	5456	10021	1.30%	0.239%
10	10.441	1437	1443	1450	rBV2	6738	11404	1.48%	0.272%
11	10.565	1455	1464	1474	rBV	421519	771221	100.00%	18.415%
12	11.865	1677	1685	1694	rBV	378733	655375	84.98%	15.649%
13	12.847	1845	1852	1861	rBV	283372	477743	61.95%	11.408%
14	13.788	2003	2012	2023	rBV	324712	545668	70.75%	13.029%
15	13.947	2033	2039	2045	rBV2	23982	39102	5.07%	0.934%
16	14.029	2049	2053	2057	rVB3	5877	8437	1.09%	0.201%
17	14.441	2118	2123	2129	rVB2	9124	15484	2.01%	0.370%
18	15.635	2320	2326	2335	rVB2	5322	8762	1.14%	0.209%
19	15.764	2344	2348	2353	rVB3	4493	7932	1.03%	0.189%

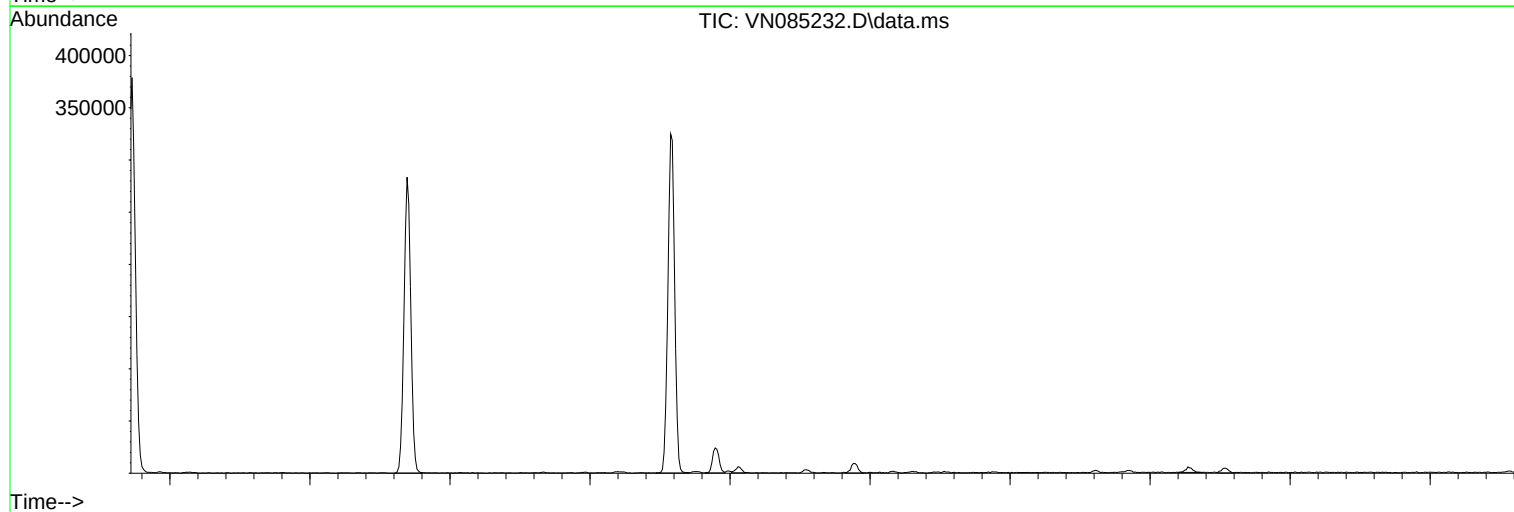
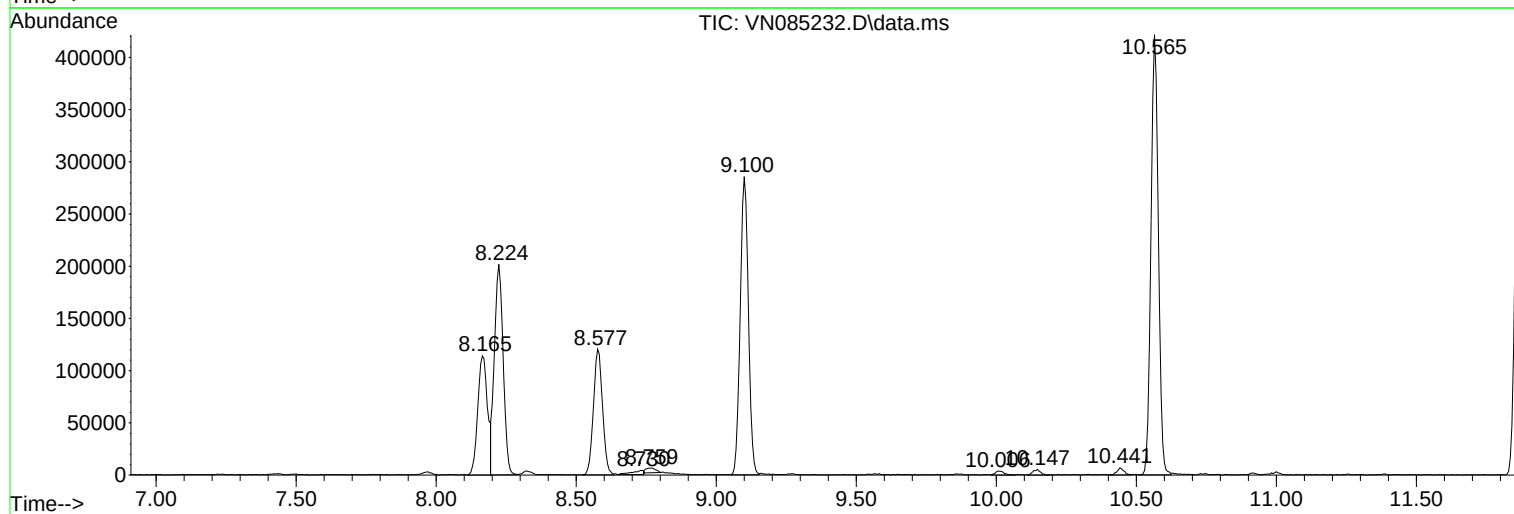
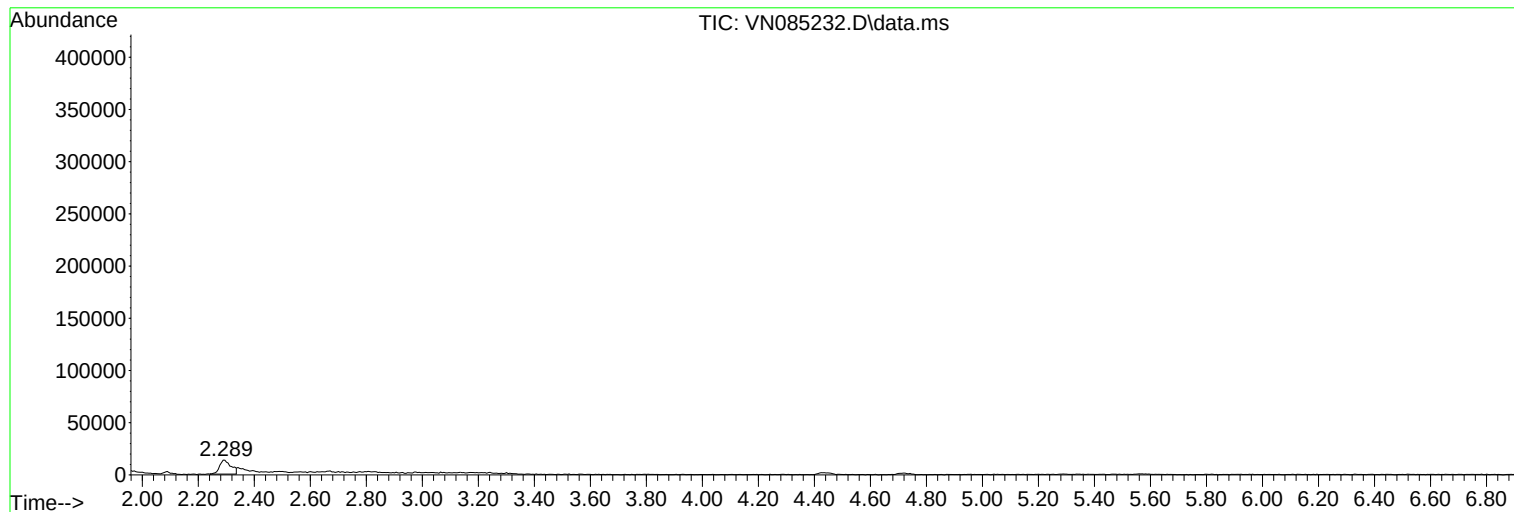
Sum of corrected areas: 4187946

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085232.D
Acq On : 17 Dec 2024 18:21
Operator : JC\MD
Sample : P5291-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085232.D
Acq On : 17 Dec 2024 18:21
Operator : JC\MD
Sample : P5291-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085232.D
Acq On : 17 Dec 2024 18:21
Operator : JC\MD
Sample : P5291-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW2-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-05	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085233.D	1		12/17/24 18:46	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	UQ	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	UQ	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
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	29.3		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	23.5		1.60	5.00	ug/L
78-93-3	2-Butanone	6.00		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	32.8		0.19	1.00	ug/L
71-43-2	Benzene	49.9		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
108-88-3	Toluene	5.00		0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW2-20241213			SDG No.:	P5291
Lab Sample ID:	P5291-05			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085233.D	1		12/17/24 18:46	VN121724

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW2-20241213			SDG No.:	P5291
Lab Sample ID:	P5291-05			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085233.D	1		12/17/24 18:46	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000107-83-5	Pentane, 2-methyl-	29.0	J		5.34	ug/L
000096-14-0	Pentane, 3-methyl-	39.3	J		5.81	ug/L
000096-37-7	Cyclopentane, methyl-	38.4	J		7.32	ug/L
103-65-1	n-propylbenzene	52.9	J		13.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	55.4	J		13.2	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	28.1	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	190	J		13.5	ug/L
99-87-6	p-Isopropyltoluene	1.10	J		13.7	ug/L
000496-11-7	Indane	81.3	J		14.0	ug/L
104-51-8	n-Butylbenzene	6.20	J		14.1	ug/L
000527-84-4	o-Cymene	23.9	J		14.3	ug/L
000767-58-8	Indan, 1-methyl-	22.7	J		14.4	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	36.0	J		15.1	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085233.D
 Acq On : 17 Dec 2024 18:46
 Operator : JC\MD
 Sample : P5291-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-20241213

Quant Time: Dec 18 00:31:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

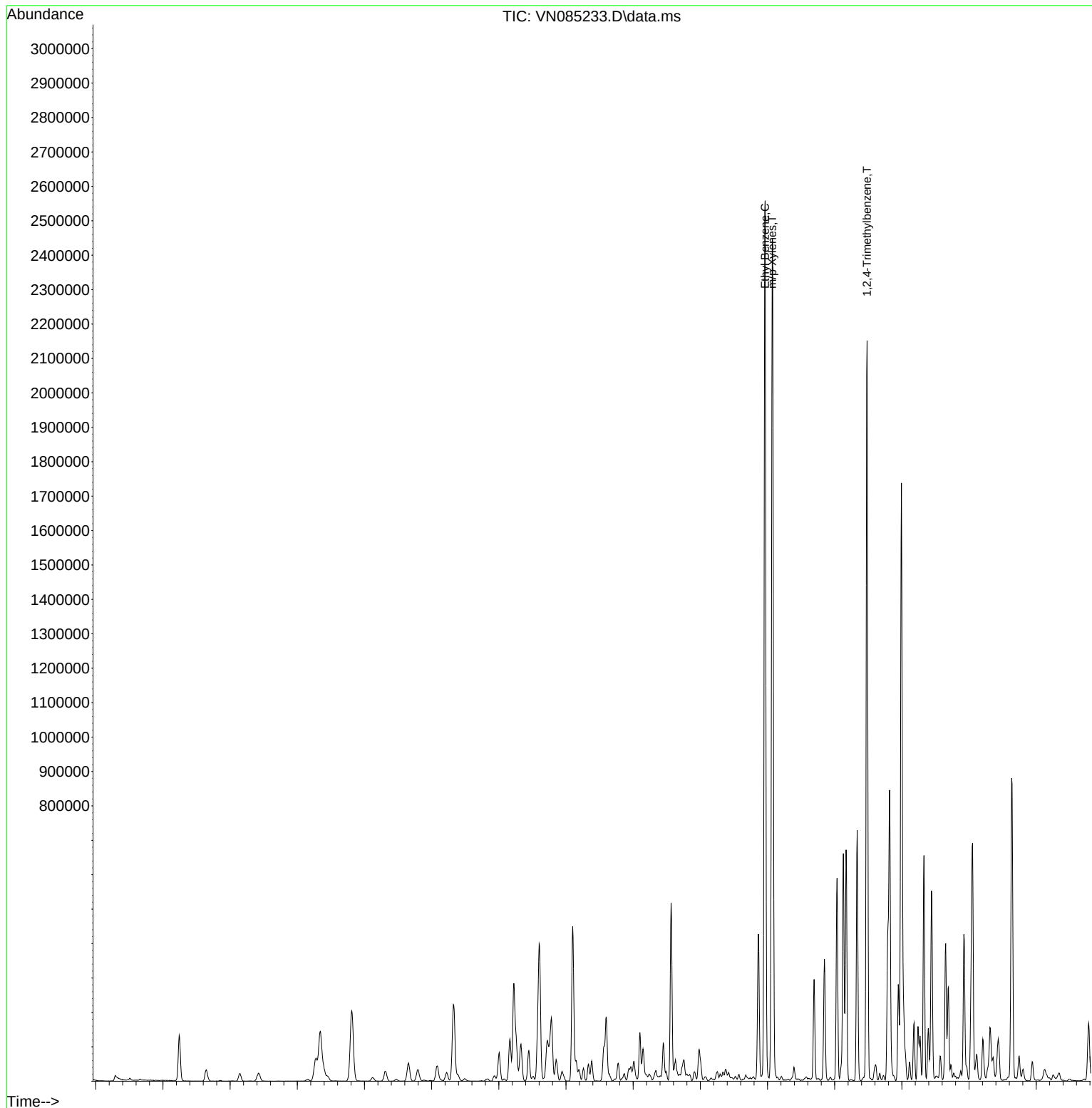
Internal Standards						
1) Pentafluorobenzene	8.224	168	158597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	265854	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103719	45.912	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.820%		
35) Dibromofluoromethane	8.165	113	84108	46.914	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.820%		
50) Toluene-d8	10.565	98	317605	49.432	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.847	95	124253	51.712	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.420%		
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	19261	29.275	ug/l #	71
25) 2-Butanone	7.488	43	6419	5.967	ug/l	100
31) Cyclohexane	8.253	56	70866	23.549	ug/l #	90
39) Methylcyclohexane	9.600	83	82822	32.821	ug/l	95
40) Benzene	8.606	78	383432	49.923	ug/l	100
52) Toluene	10.629	92	22715	4.996	ug/l	98
67) Ethyl Benzene	11.965	91	1919322	221.682	ug/l	100
68) m/p-Xylenes	12.070	106	776720	235.637	ug/l	100
69) o-Xylene	12.394	106	8932	2.849	ug/l	93
73) Isopropylbenzene	12.694	105	189007	24.634	ug/l	99
78) n-propylbenzene	13.035	91	468009	52.885	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	356497	55.372	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	1271323	191.834	ug/l	99
86) p-Isopropyltoluene	13.729	119	6534	1.058	ug/l #	73
89) n-Butylbenzene	14.053	91	35403	6.163	ug/l #	81

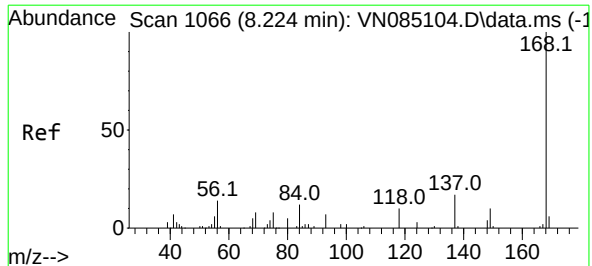
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

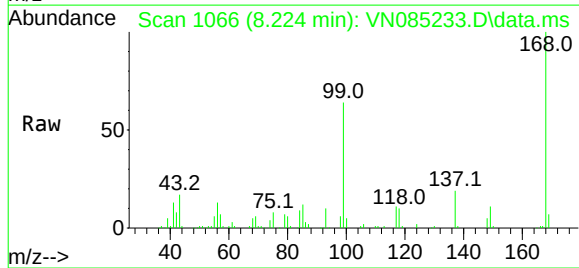
Quant Time: Dec 18 00:31:02 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



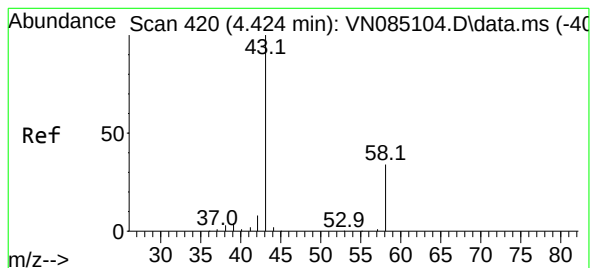
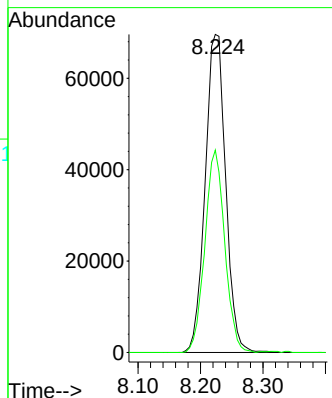
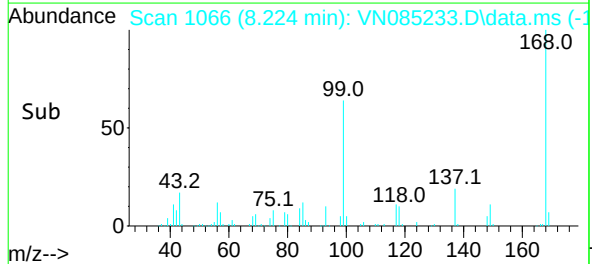


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

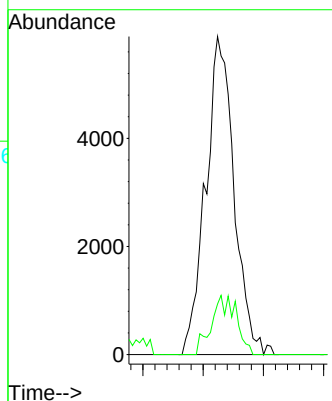
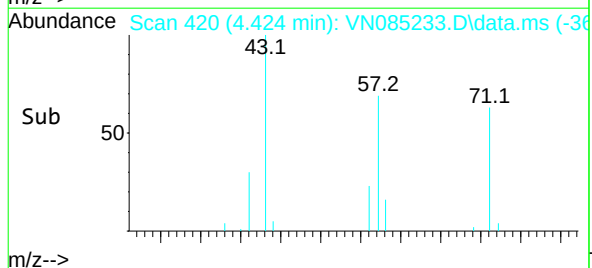
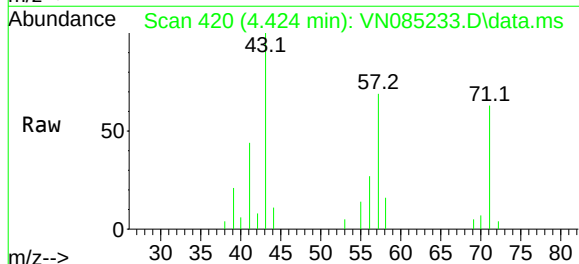


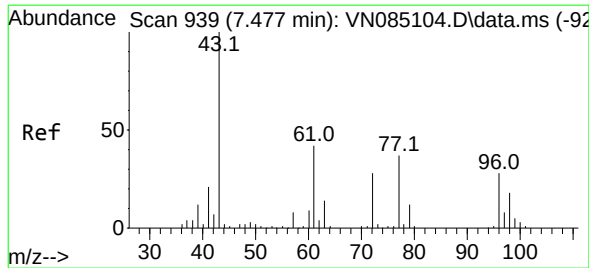
Tgt Ion:168 Resp: 158597
Ion Ratio Lower Upper
168 100
99 63.6 51.2 76.8



#16
Acetone
Concen: 29.275 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

Tgt Ion: 43 Resp: 19261
Ion Ratio Lower Upper
43 100
58 15.9 25.4 38.2#





#25

2-Butanone

Concen: 5.967 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN085233.D

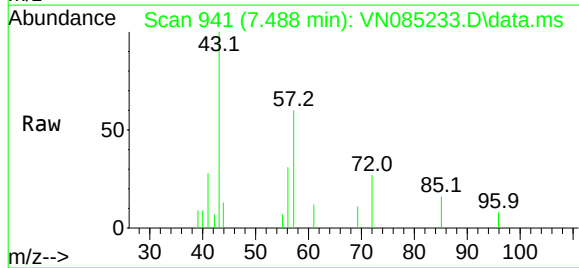
Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213

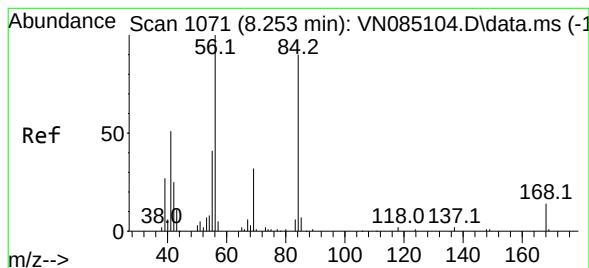
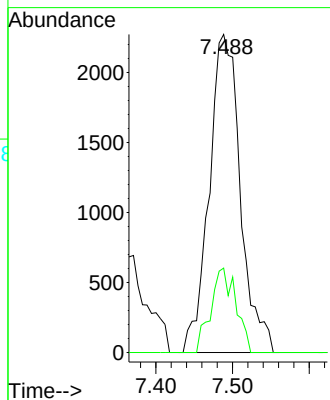
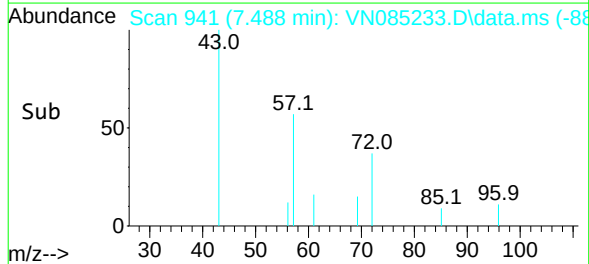


Tgt Ion: 43 Resp: 6419

Ion Ratio Lower Upper

43 100

72 26.5 21.4 32.0



#31

Cyclohexane

Concen: 23.549 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

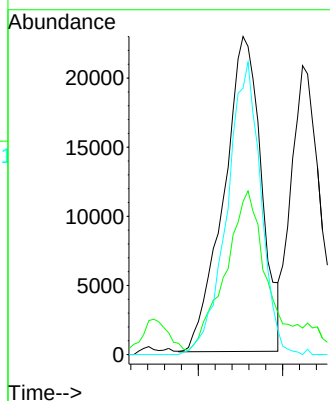
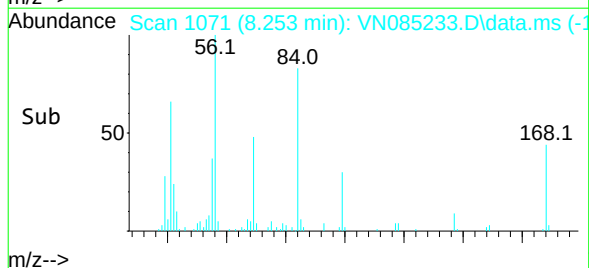
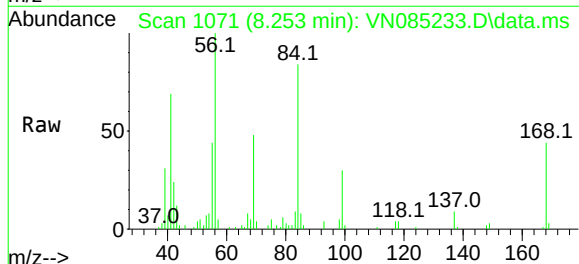
Tgt Ion: 56 Resp: 70866

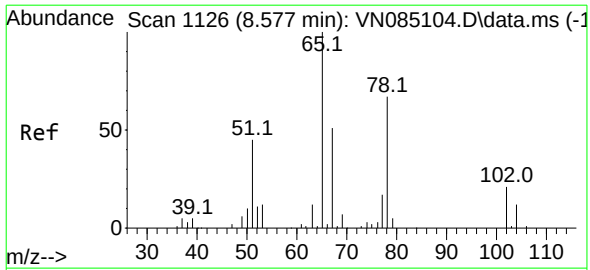
Ion Ratio Lower Upper

56 100

69 45.0 24.6 36.8#

84 84.7 71.4 107.2

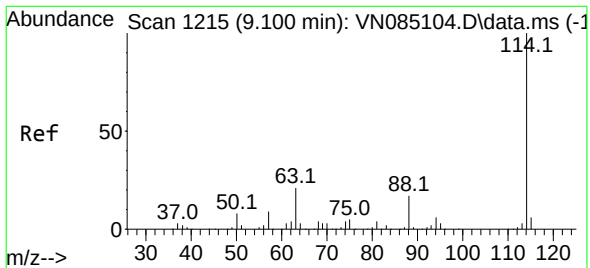
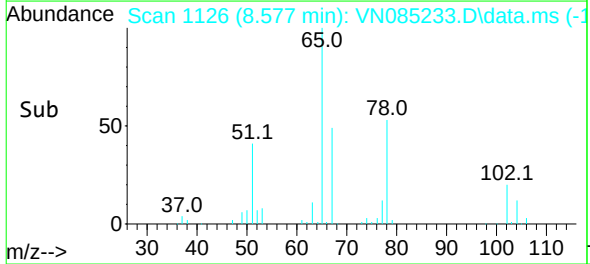
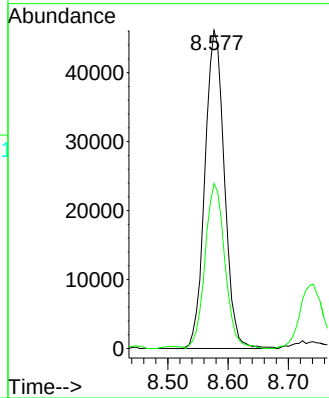
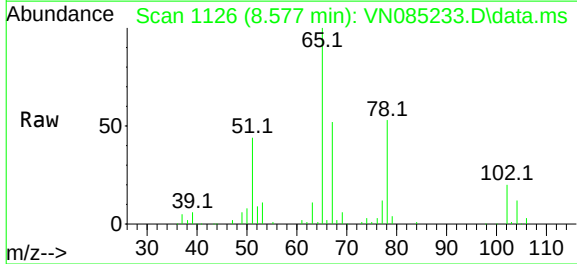




#33
1,2-Dichloroethane-d4
Concen: 45.912 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

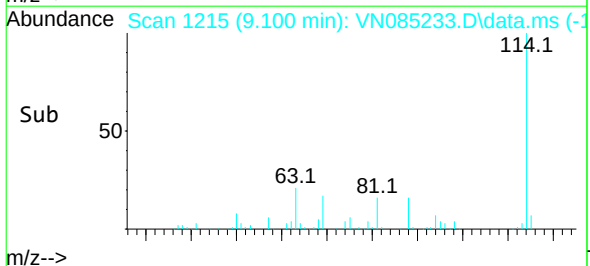
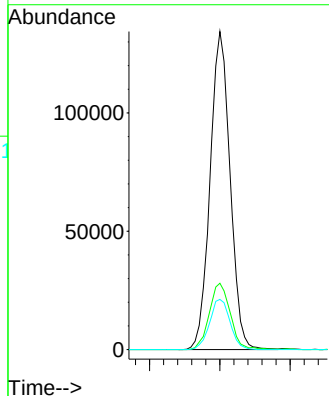
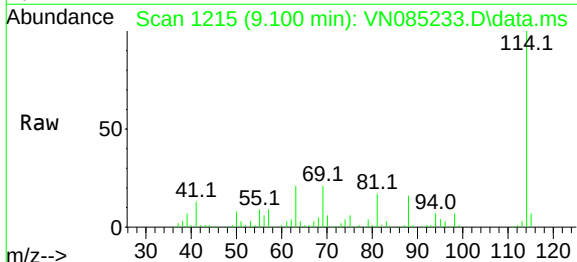
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

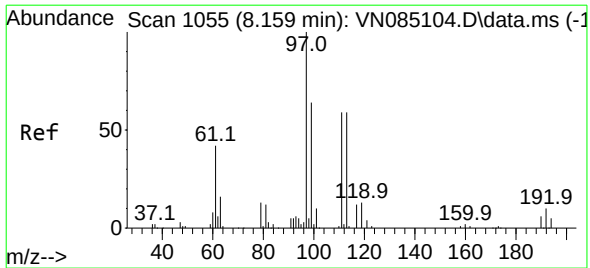
Tgt Ion: 65 Resp: 103719
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

Tgt Ion: 114 Resp: 265854
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.0
88 15.8 0.0 34.8





#35

Dibromofluoromethane

Concen: 46.914 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085233.D

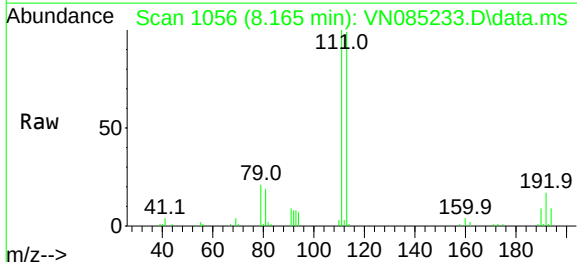
Acq: 17 Dec 2024 18:46

Instrument :

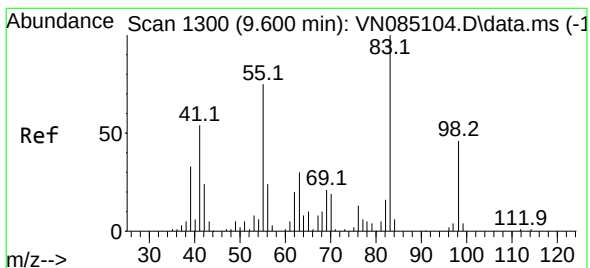
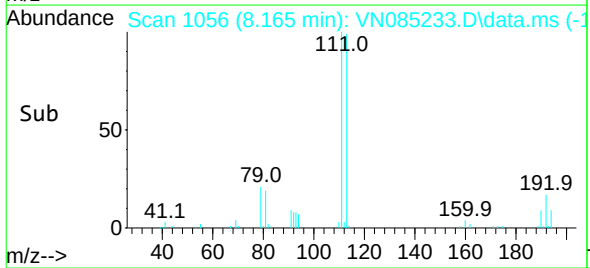
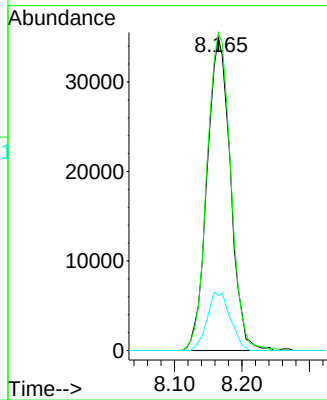
MSVOA_N

ClientSampleId :

MW2-20241213



Tgt Ion:	113	Resp:	84108
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	18.4	14.8	22.2



#39

Methylcyclohexane

Concen: 32.821 ug/l

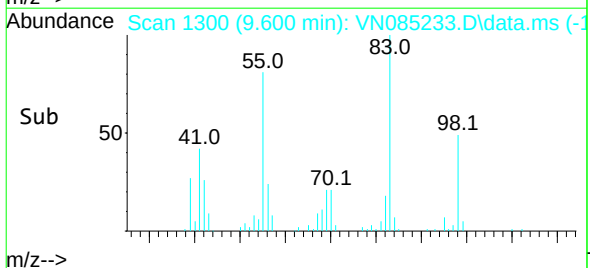
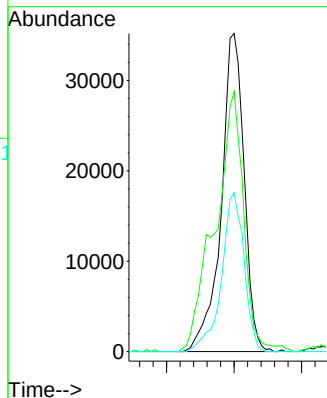
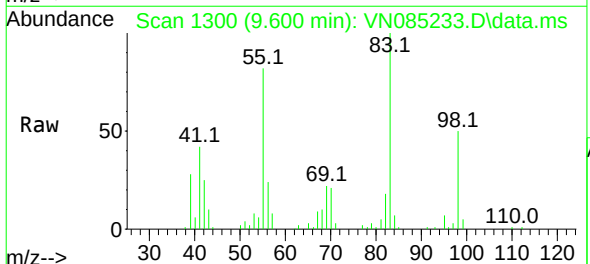
RT: 9.600 min Scan# 1300

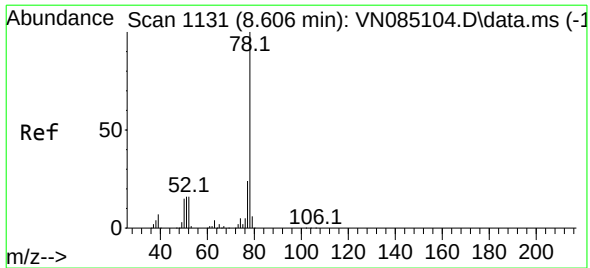
Delta R.T. 0.006 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

Tgt Ion:	83	Resp:	82822
Ion	Ratio	Lower	Upper
83	100		
55	81.8	61.8	92.6
98	50.0	37.0	55.6





#40

Benzene

Concen: 49.923 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

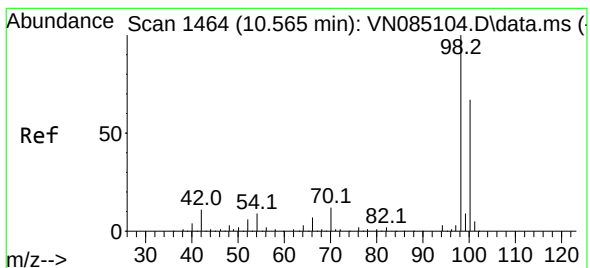
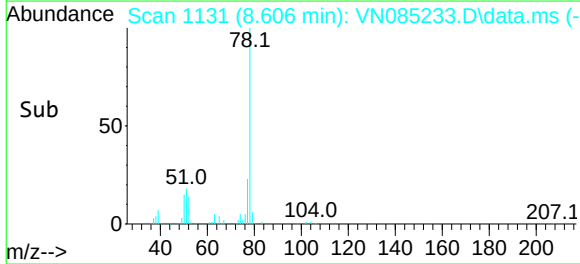
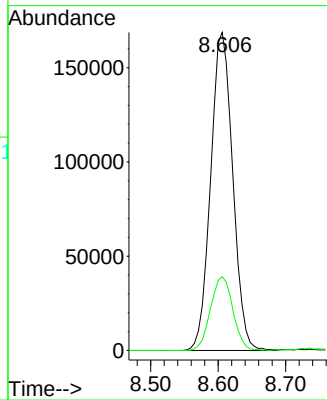
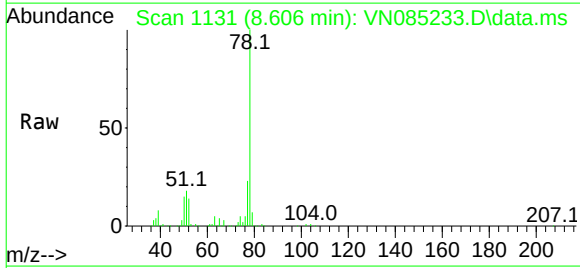
MW2-20241213

Tgt Ion: 78 Resp: 383432

Ion Ratio Lower Upper

78 100

77 23.2 18.5 27.7



#50

Toluene-d8

Concen: 49.432 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085233.D

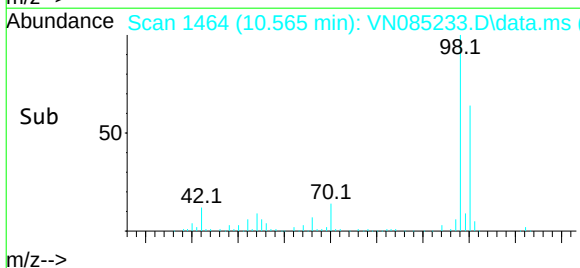
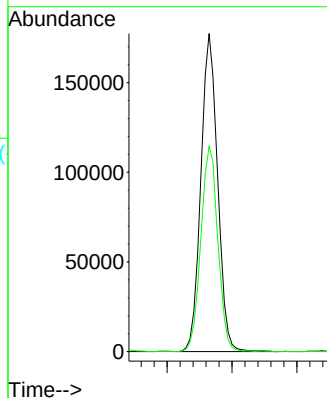
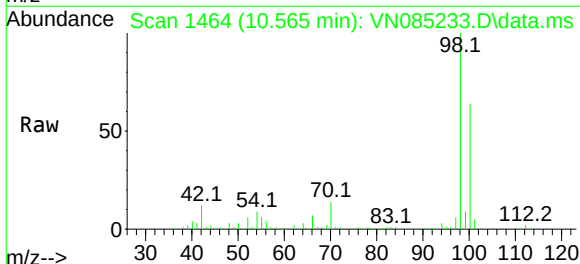
Acq: 17 Dec 2024 18:46

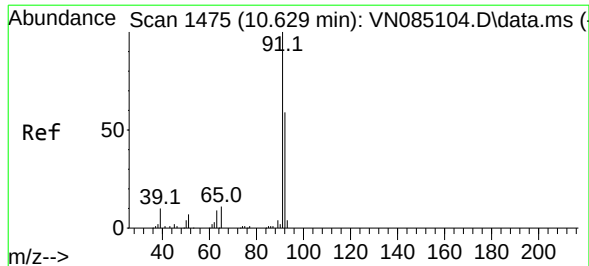
Tgt Ion: 98 Resp: 317605

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7





#52

Toluene

Concen: 4.996 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

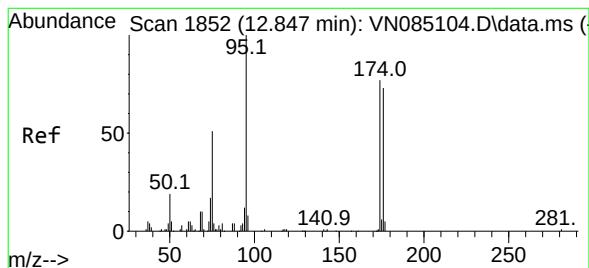
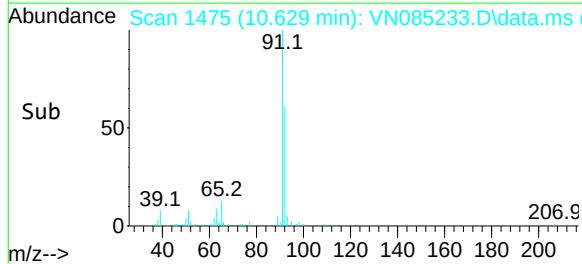
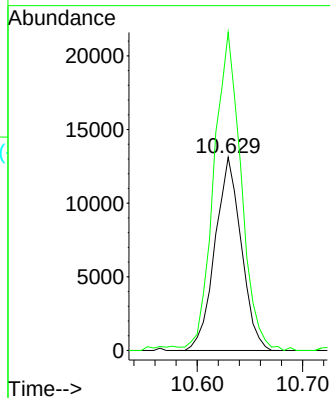
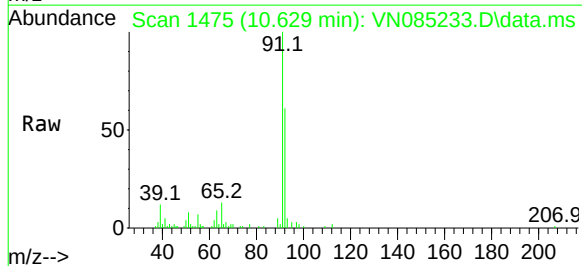
MW2-20241213

Tgt Ion: 92 Resp: 22715

Ion Ratio Lower Upper

92 100

91 173.1 136.7 205.1



#62

4-Bromofluorobenzene

Concen: 51.712 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

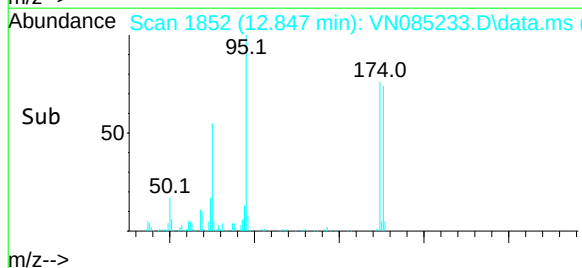
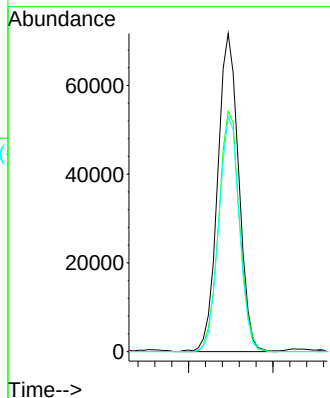
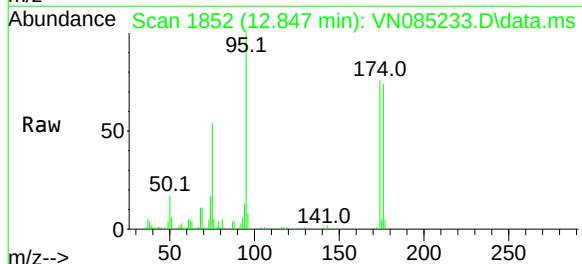
Tgt Ion: 95 Resp: 124253

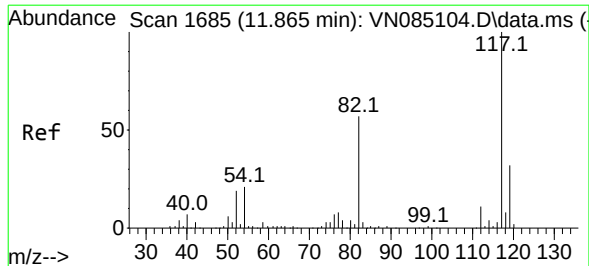
Ion Ratio Lower Upper

95 100

174 75.0 0.0 146.6

176 71.9 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. 0.006 min

Lab File: VN085233.D

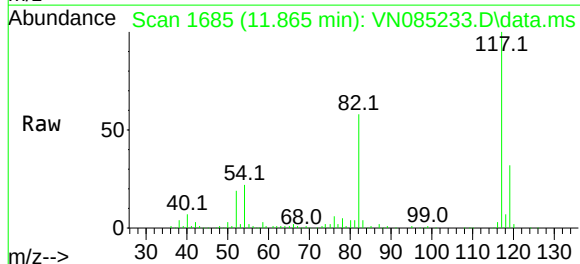
Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213



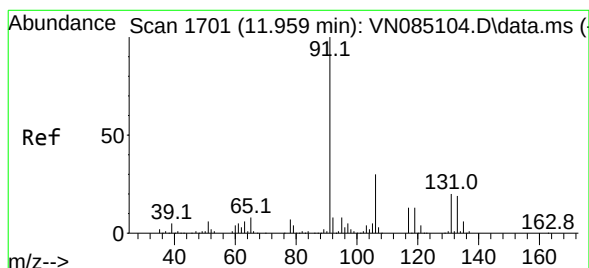
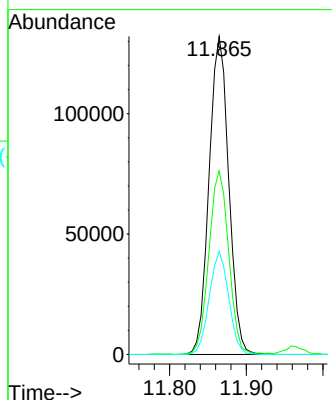
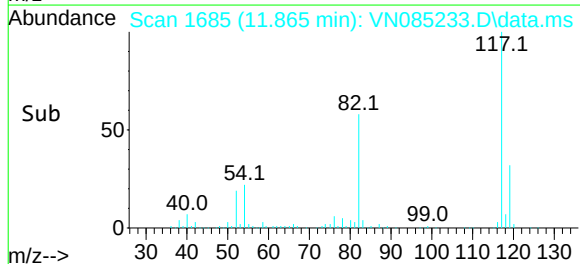
Tgt Ion:117 Resp: 235312

Ion Ratio Lower Upper

117 100

82 57.6 46.0 69.0

119 32.4 25.6 38.4



#67

Ethyl Benzene

Concen: 221.682 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN085233.D

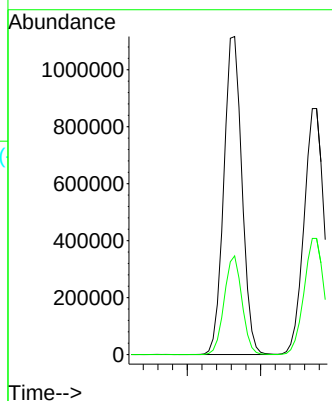
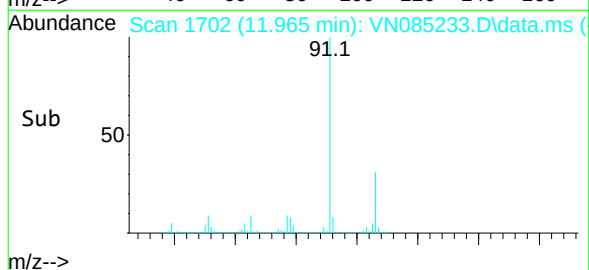
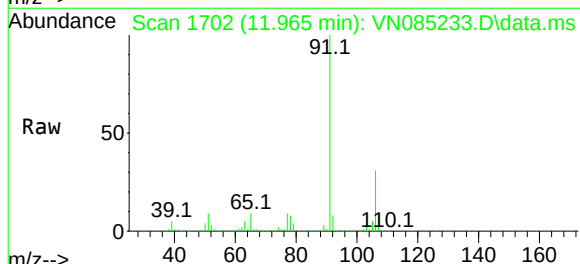
Acq: 17 Dec 2024 18:46

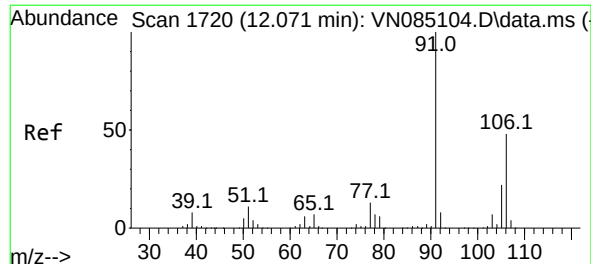
Tgt Ion: 91 Resp: 1919322

Ion Ratio Lower Upper

91 100

106 31.0 24.7 37.1





#68

m/p-Xylenes

Concen: 235.637 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

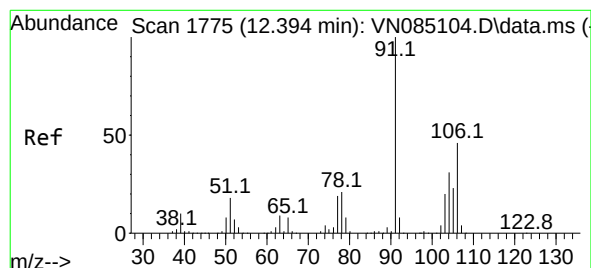
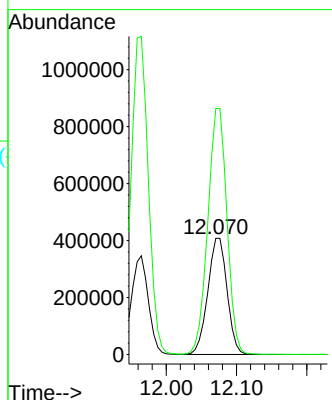
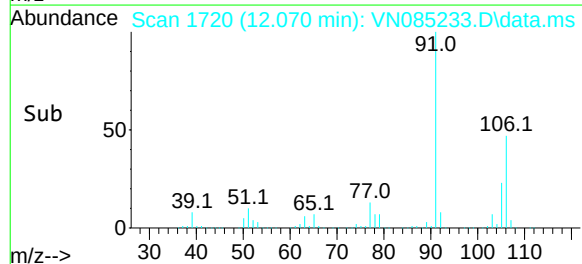
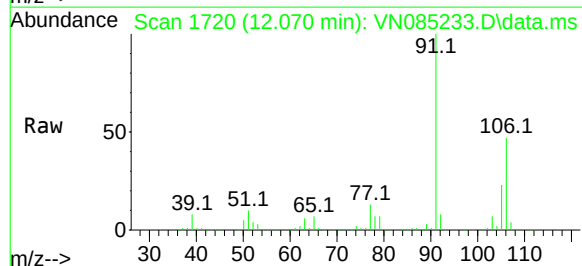
MW2-20241213

Tgt Ion:106 Resp: 776720

Ion Ratio Lower Upper

106 100

91 210.1 168.0 252.0



#69

o-Xylene

Concen: 2.849 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085233.D

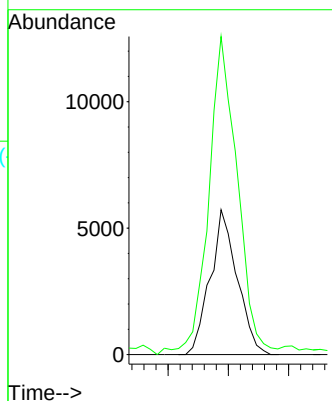
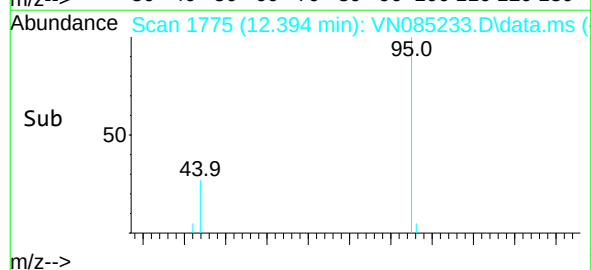
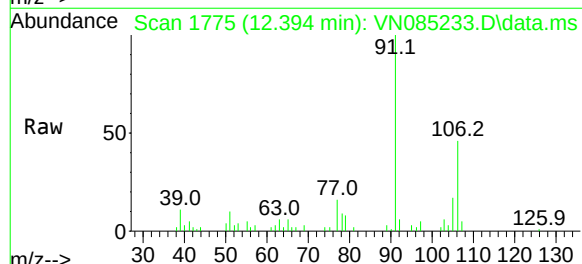
Acq: 17 Dec 2024 18:46

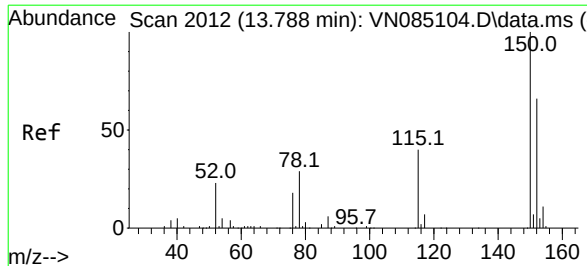
Tgt Ion:106 Resp: 8932

Ion Ratio Lower Upper

106 100

91 233.3 110.7 331.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085233.D

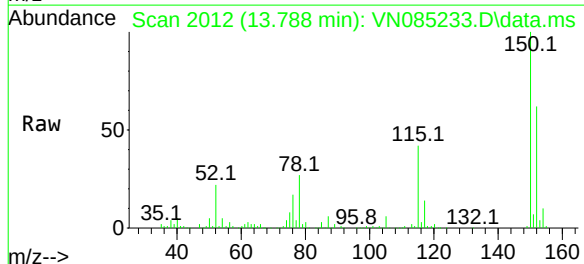
Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213



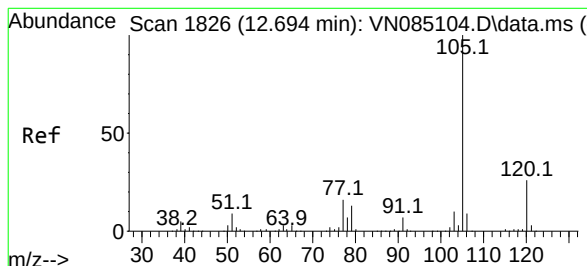
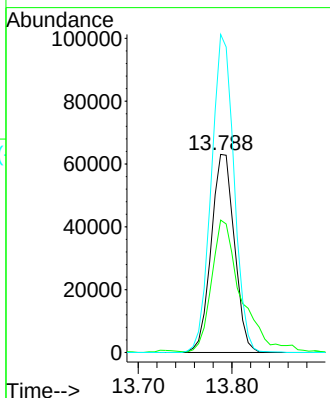
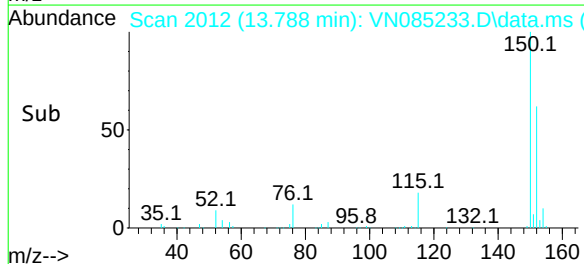
Tgt Ion:152 Resp: 108758

Ion Ratio Lower Upper

152 100

115 85.9 31.7 95.1

150 157.2 0.0 351.4



#73

Isopropylbenzene

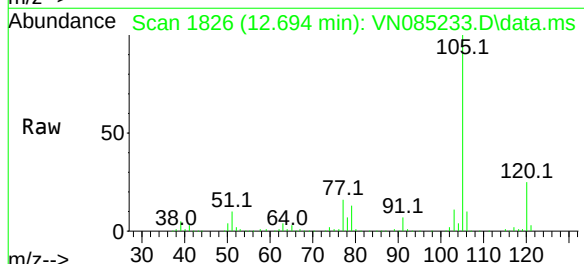
Concen: 24.634 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

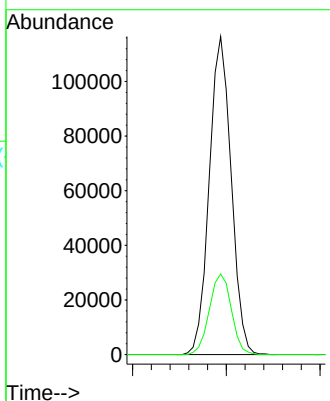
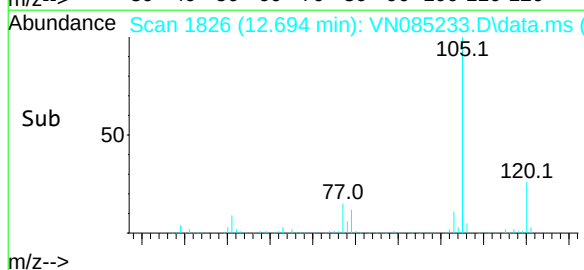


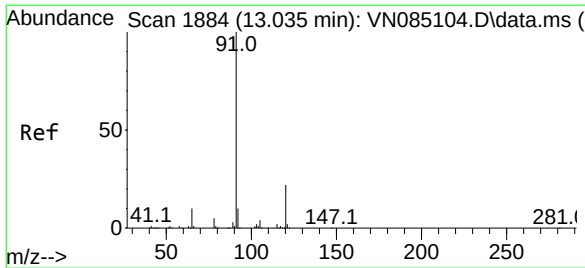
Tgt Ion:105 Resp: 189007

Ion Ratio Lower Upper

105 100

120 25.4 13.0 39.0





#78

n-propylbenzene

Concen: 52.885 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

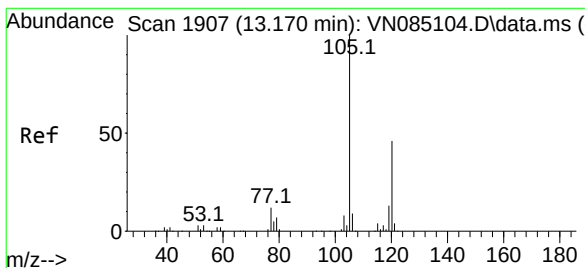
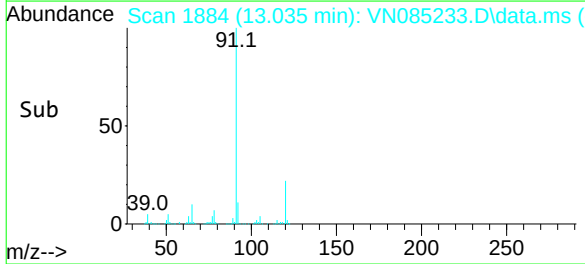
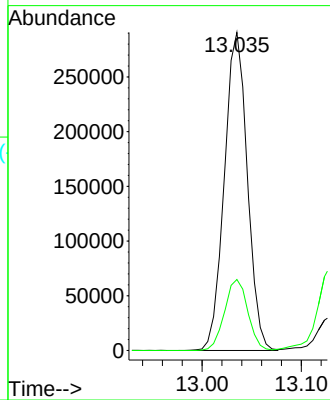
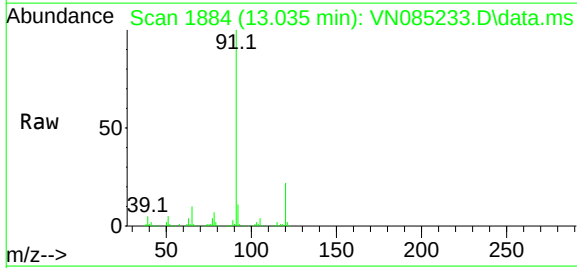
MW2-20241213

Tgt Ion: 91 Resp: 468009

Ion Ratio Lower Upper

91 100

120 22.6 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 55.372 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085233.D

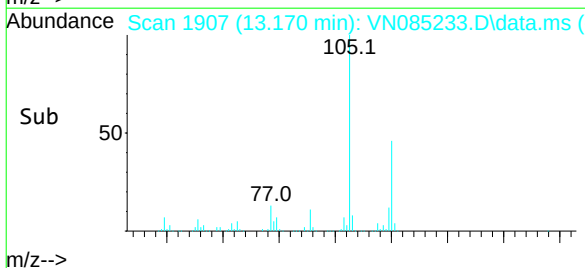
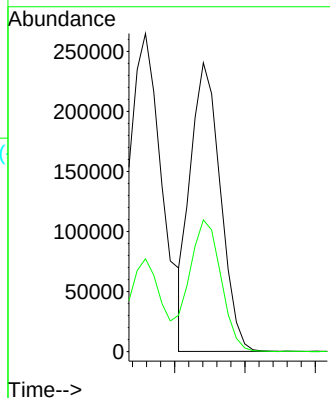
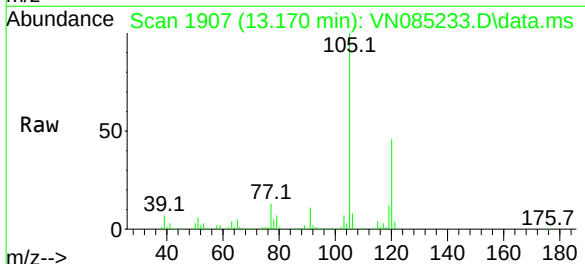
Acq: 17 Dec 2024 18:46

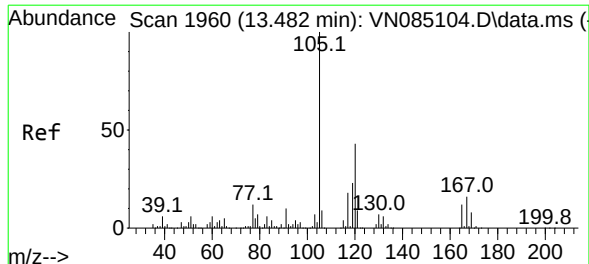
Tgt Ion: 105 Resp: 356497

Ion Ratio Lower Upper

105 100

120 49.2 23.6 71.0





#84

1,2,4-Trimethylbenzene

Concen: 191.834 ug/l

RT: 13.482 min Scan# 19

Delta R.T. 0.006 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

Instrument :

MSVOA_N

ClientSampleId :

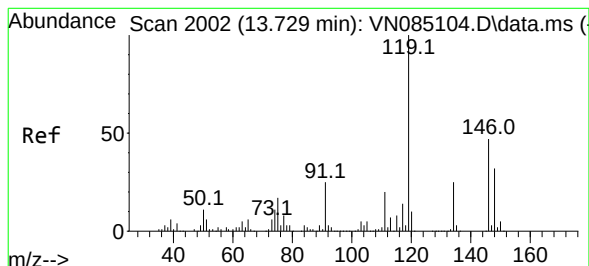
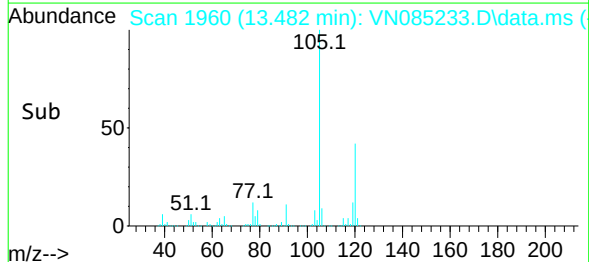
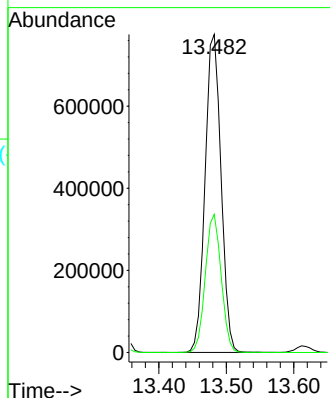
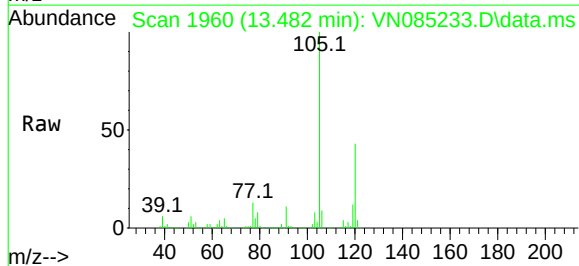
MW2-20241213

Tgt Ion:105 Resp: 1271323

Ion Ratio Lower Upper

105 100

120 43.2 21.8 65.4



#86

p-Isopropyltoluene

Concen: 1.058 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085233.D

Acq: 17 Dec 2024 18:46

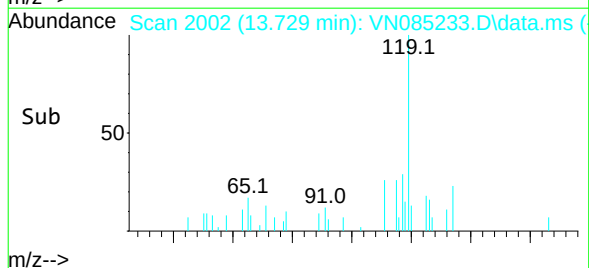
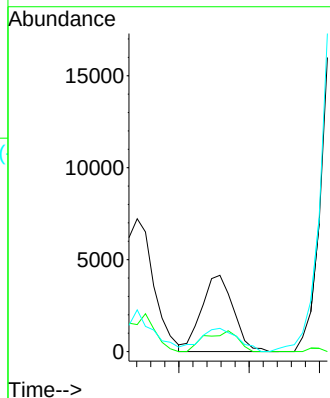
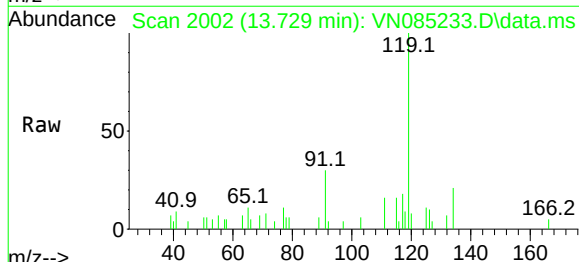
Tgt Ion:119 Resp: 6534

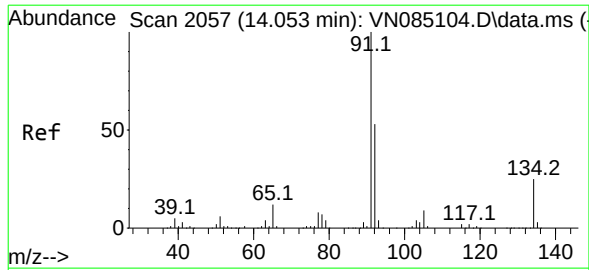
Ion Ratio Lower Upper

119 100

134 28.1 13.0 39.0

91 0.0 12.8 38.4#

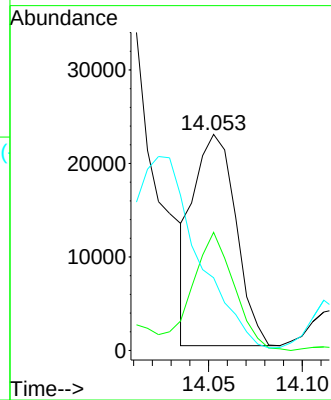
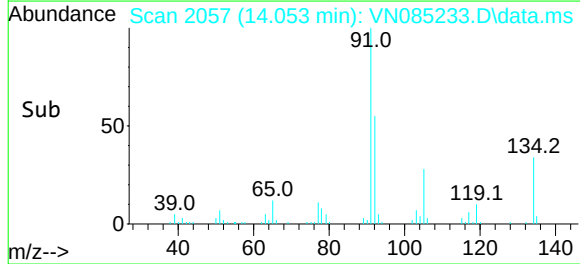
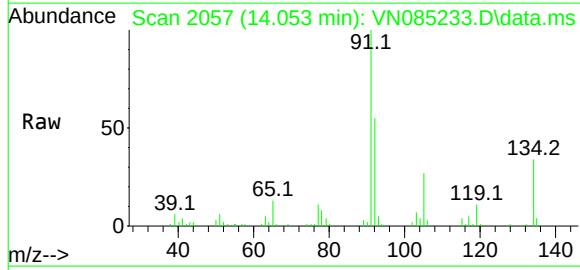




#89
n-Butylbenzene
Concen: 6.163 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085233.D
Acq: 17 Dec 2024 18:46

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.0	26.8	80.3
134	0.0	12.8	38.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085233.D
 Acq On : 17 Dec 2024 18:46
 Operator : JC\MD
 Sample : P5291-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-20241213

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Title : SW846 8260

Signal : TIC: VN085233.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	68	rBV2	16247	55446	1.20%	0.120%
2	3.242	209	219	232	rVB2	132906	306858	6.63%	0.664%
3	3.647	276	288	301	rVB4	32972	92490	2.00%	0.200%
4	4.147	359	373	382	rBV2	22627	61641	1.33%	0.133%
5	4.424	405	420	431	rBV3	23764	80671	1.74%	0.175%
6	5.277	551	565	568	rBV4	66135	202278	4.37%	0.438%
7	5.341	569	576	592	rVB4	132037	515287	11.13%	1.116%
8	5.812	640	656	673	rBV3	204240	698415	15.09%	1.512%
9	6.306	730	740	752	rVB3	28812	87103	1.88%	0.189%
10	6.659	786	800	810	rBV2	52307	148695	3.21%	0.322%
11	6.794	812	823	834	rBV3	33259	104513	2.26%	0.226%
12	7.083	861	872	888	rBV4	44166	139845	3.02%	0.303%
13	7.224	888	896	903	rVV	24743	66700	1.44%	0.144%
14	7.324	903	913	934	rVB	221187	681897	14.73%	1.476%
15	8.006	1022	1029	1037	rVB2	80716	190132	4.11%	0.412%
16	8.165	1047	1056	1060	rBV2	120812	287899	6.22%	0.623%
17	8.224	1060	1066	1078	rVV4	280904	887874	19.18%	1.922%
18	8.330	1078	1084	1094	rVB3	106043	265608	5.74%	0.575%
19	8.447	1094	1104	1111	rBV	87254	200405	4.33%	0.434%
20	8.600	1119	1130	1140	rBV2	393153	1101437	23.79%	2.385%
21	8.724	1140	1151	1154	rBV3	110892	286788	6.19%	0.621%
22	8.782	1156	1161	1168	rVB5	164428	397837	8.59%	0.861%
23	8.853	1168	1173	1181	rVB2	59657	135918	2.94%	0.294%
24	8.941	1181	1188	1201	rVB4	28592	79792	1.72%	0.173%
25	9.100	1205	1215	1223	rBV3	449549	1044199	22.55%	2.261%
26	9.194	1228	1231	1237	rVV4	32410	61715	1.33%	0.134%
27	9.259	1237	1242	1249	rVV3	36800	69812	1.51%	0.151%
28	9.335	1249	1255	1259	rVV	48804	99960	2.16%	0.216%
29	9.382	1259	1263	1272	rVB	58179	113468	2.45%	0.246%
30	9.600	1281	1300	1307	rBV2	185408	606953	13.11%	1.314%
31	9.777	1323	1330	1336	rVB2	49452	101829	2.20%	0.220%
32	9.941	1351	1358	1359	rBV3	33176	59799	1.29%	0.129%
33	10.012	1365	1370	1378	rVB4	51263	114106	2.46%	0.247%
34	10.100	1378	1385	1389	rBV2	135213	250169	5.40%	0.542%
35	10.147	1389	1393	1401	rVV3	84862	181792	3.93%	0.394%
36	10.335	1416	1425	1431	rBV6	27345	73325	1.58%	0.159%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

37	10.447	1439	1444	1450	rBV3	96357	177243	3.83%	0.384%
38	10.565	1457	1464	1470	rBV	515175	953891	20.60%	2.065%
39	10.629	1470	1475	1484	rVV	52837	129004	2.79%	0.279%
40	10.753	1488	1496	1501	rVB6	45040	119548	2.58%	0.259%
41	10.912	1517	1523	1529	rBV4	26050	59295	1.28%	0.128%
42	10.982	1529	1535	1545	rVV3	91061	247094	5.34%	0.535%
43	11.253	1574	1581	1585	rBV5	23453	52293	1.13%	0.113%
44	11.865	1677	1685	1692	rBV	421844	771401	16.66%	1.670%
45	11.965	1693	1702	1712	rVV	2550612	4402654	95.10%	9.532%
46	12.070	1712	1720	1731	rVV	2439262	4629711	100.00%	10.024%
47	12.394	1765	1775	1781	rBV2	37718	76540	1.65%	0.166%
48	12.694	1818	1826	1833	rBV	290003	465692	10.06%	1.008%
49	12.847	1845	1852	1862	rVB	351897	605739	13.08%	1.311%
50	13.035	1874	1884	1890	rBV	586475	950243	20.52%	2.057%
51	13.129	1890	1900	1904	rVV	658948	1162502	25.11%	2.517%
52	13.170	1904	1907	1915	rVB	670394	1009809	21.81%	2.186%
53	13.335	1927	1935	1944	rVB	727459	1164862	25.16%	2.522%
54	13.482	1952	1960	1967	rVB	2143166	3500318	75.61%	7.578%
55	13.612	1974	1982	1988	rVB3	43874	104692	2.26%	0.227%
56	13.817	2006	2017	2026	rBV2	842489	2074693	44.81%	4.492%
57	13.947	2033	2039	2042	rBV	279427	454304	9.81%	0.984%
58	13.994	2042	2047	2062	rVV	1735330	3373333	72.86%	7.303%
59	14.112	2062	2067	2073	rVV	51276	80564	1.74%	0.174%
60	14.182	2073	2079	2084	rVV2	164974	273150	5.90%	0.591%
61	14.241	2084	2089	2092	rVV	153544	260609	5.63%	0.564%
62	14.270	2092	2094	2098	rVV	125639	163458	3.53%	0.354%
63	14.329	2098	2104	2110	rVV	649020	992063	21.43%	2.148%
64	14.394	2110	2115	2118	rVV	145969	235507	5.09%	0.510%
65	14.441	2118	2123	2130	rVB2	545251	940354	20.31%	2.036%
66	14.570	2140	2145	2151	rVB3	68114	114135	2.47%	0.247%
67	14.653	2151	2159	2162	rBV	395738	644769	13.93%	1.396%
68	14.694	2162	2166	2170	rVV	263645	424575	9.17%	0.919%
69	14.729	2170	2172	2176	rVB2	36541	46733	1.01%	0.101%
70	14.923	2200	2205	2211	rBV	409975	688202	14.86%	1.490%
71	15.053	2217	2227	2233	rBV2	686577	1493985	32.27%	3.235%
72	15.111	2233	2237	2246	rVB3	73560	147365	3.18%	0.319%
73	15.206	2246	2253	2261	rBV2	117359	226684	4.90%	0.491%
74	15.311	2261	2271	2276	rBV3	146437	360728	7.79%	0.781%
75	15.435	2284	2292	2303	rVB3	120367	301005	6.50%	0.652%
76	15.635	2318	2326	2335	rVV	871800	1689335	36.49%	3.658%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

77	15.747	2338	2345	2350	rVV2	68046	136892	2.96%	0.296%
78	15.806	2350	2355	2363	rVB	33419	70828	1.53%	0.153%
79	15.941	2369	2378	2388	rBV2	56370	116052	2.51%	0.251%
80	16.129	2398	2410	2420	rBV2	31463	111671	2.41%	0.242%

81	16.341	2438	2446	2454	rVB4	21391	57273	1.24%	0.124%
82	16.782	2512	2521	2522	rBV	165030	274466	5.93%	0.594%

Sum of corrected areas: 46187920

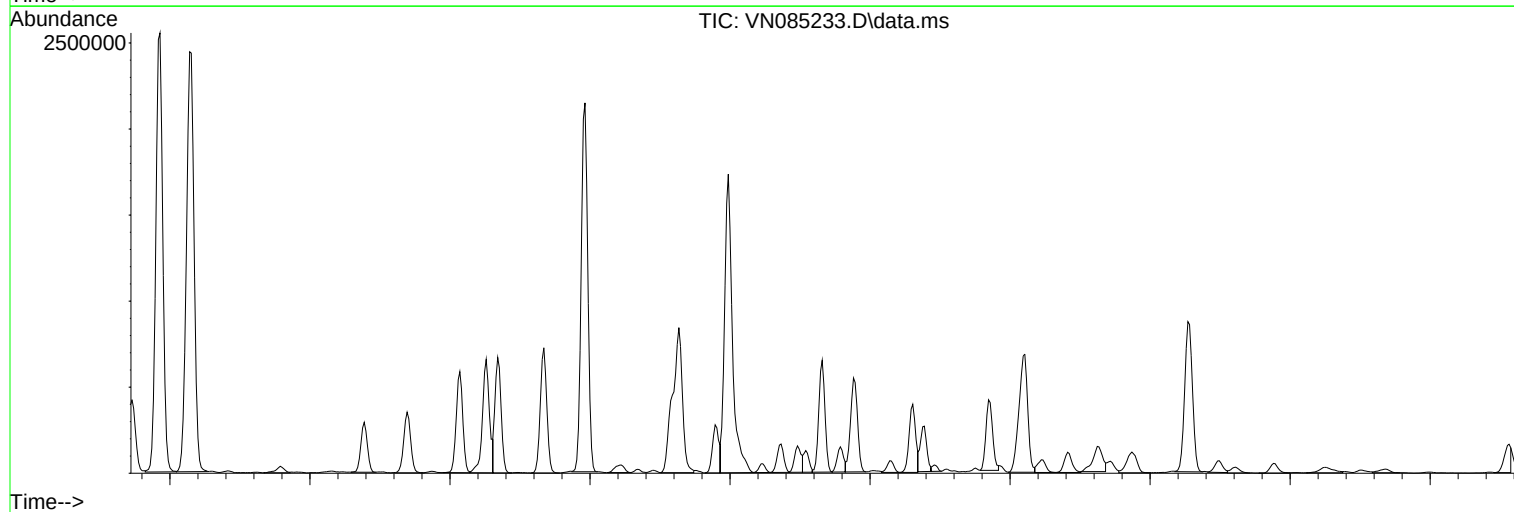
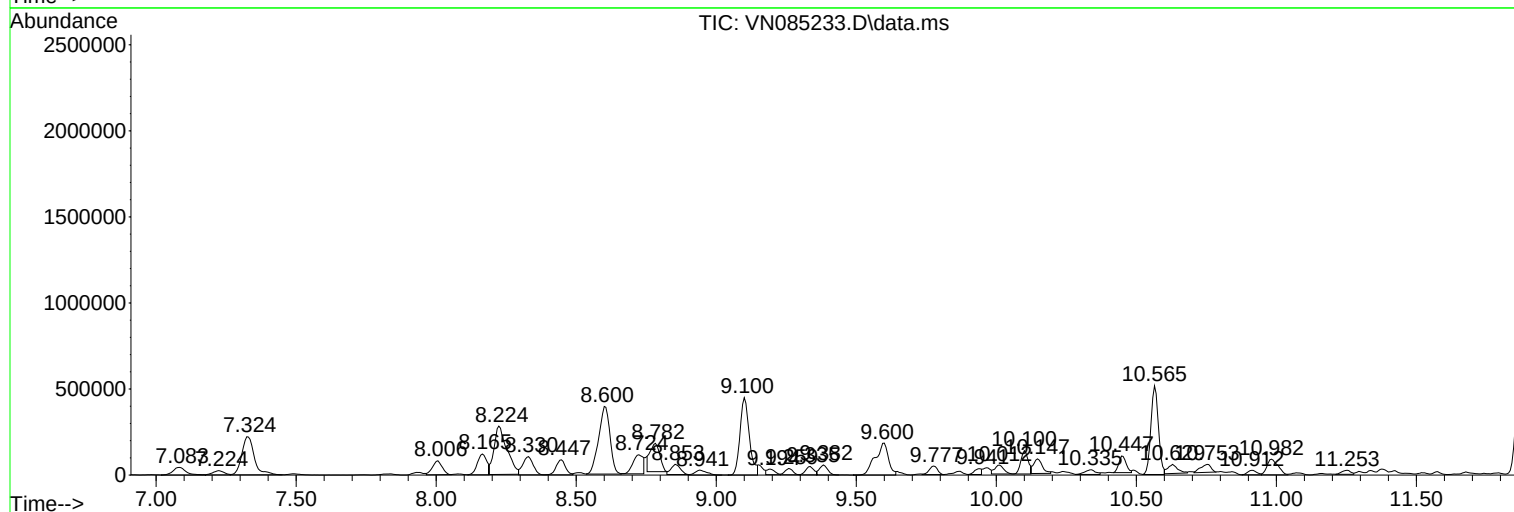
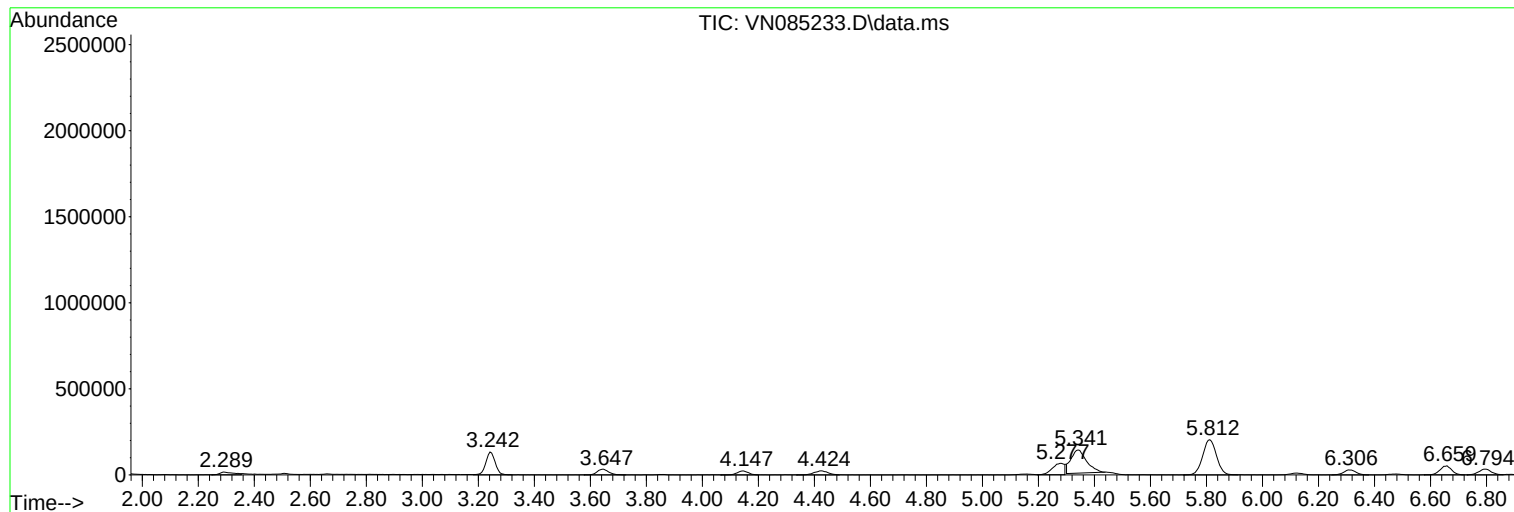
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

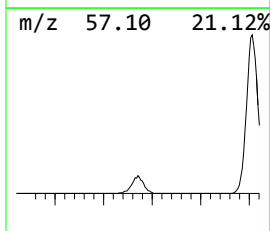
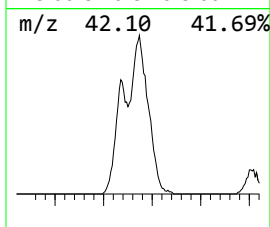
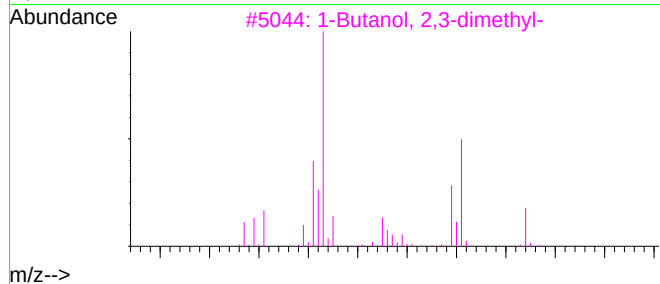
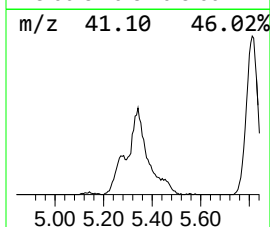
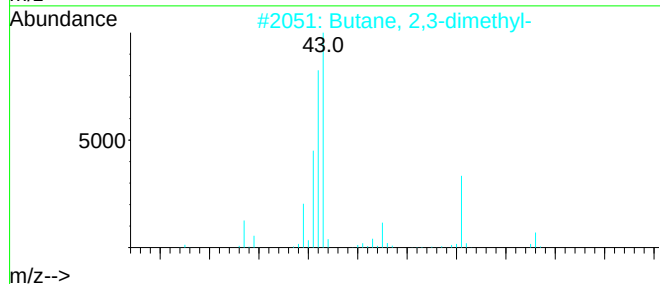
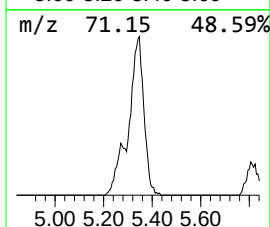
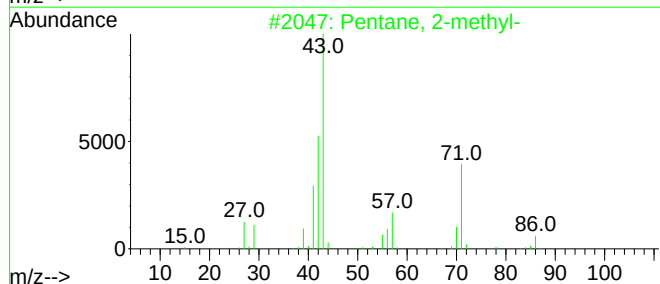
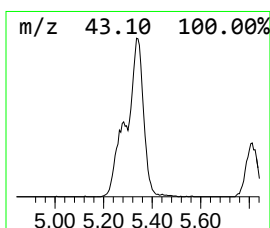
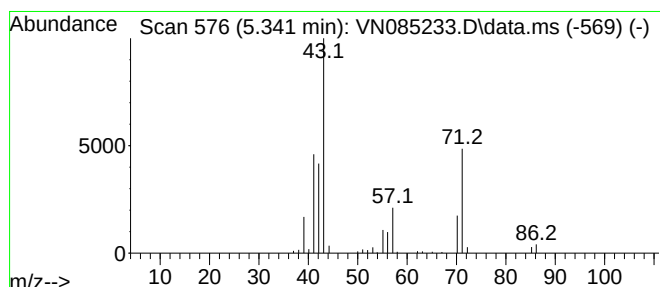
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 1 Pentane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.341	29.02 ug/l	515287	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	90
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	39
4	Butane, 1-chloro-3-methyl-	106	C5H11Cl	000107-84-6	38
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

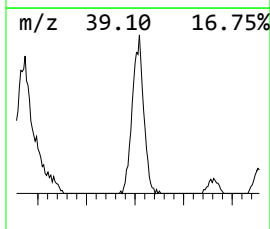
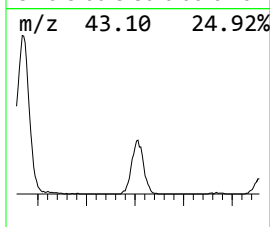
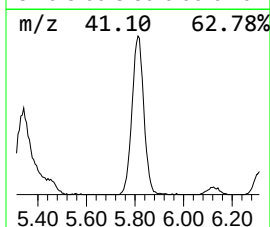
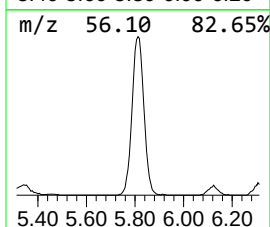
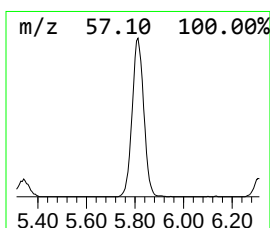
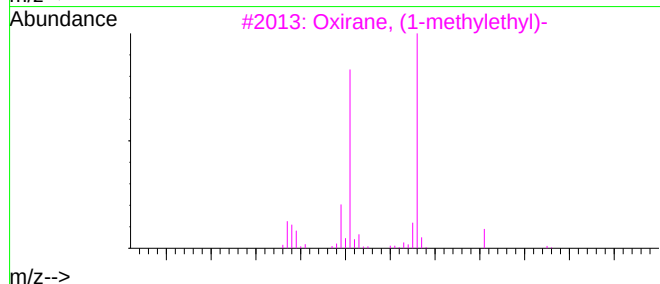
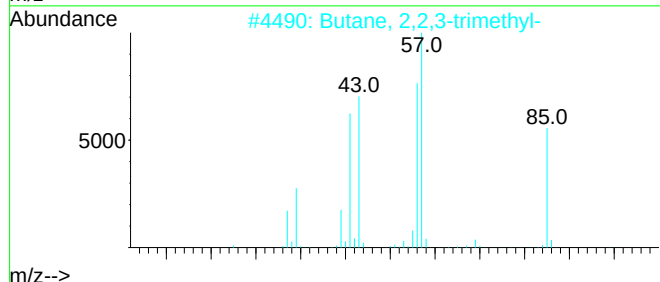
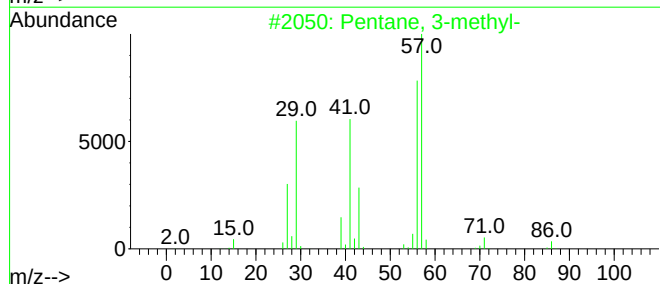
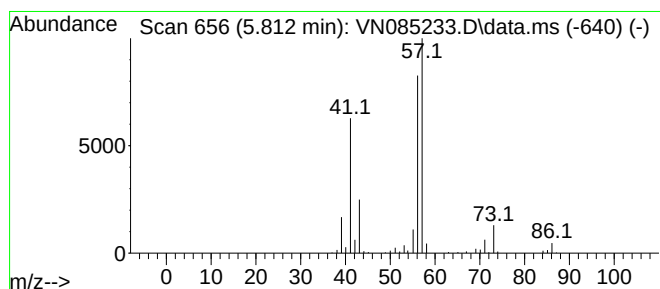
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TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.812	39.33 ug/l	698415	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	83
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	72
3	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	53
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	50
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

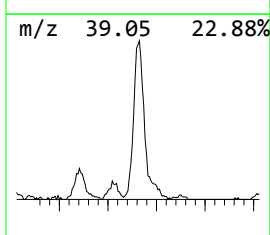
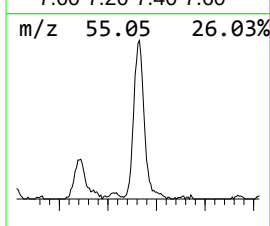
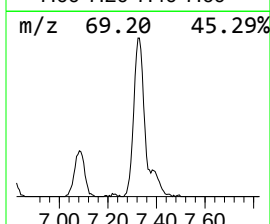
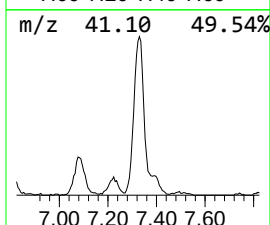
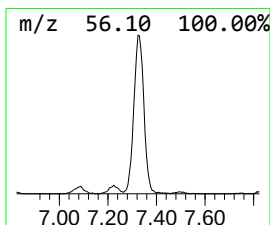
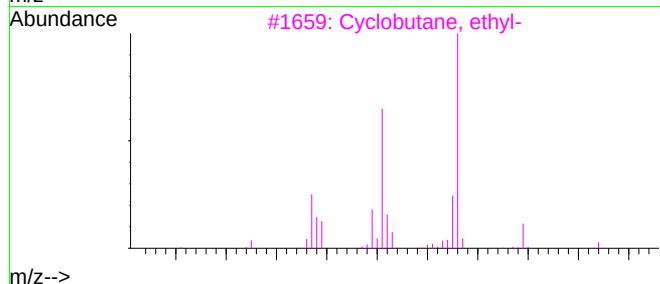
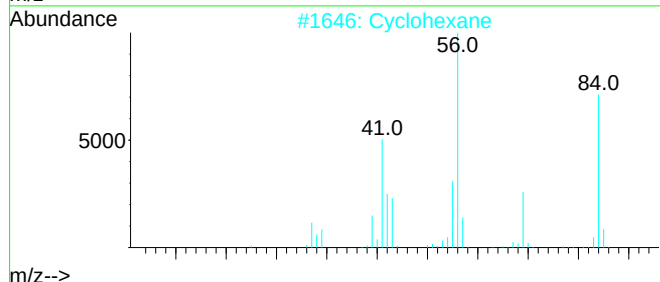
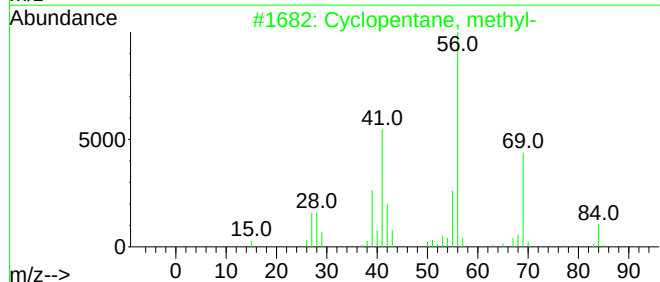
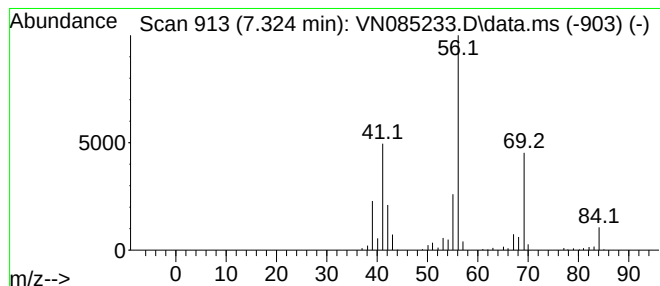
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ClientSampleId :
MW2-20241213

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Quant Title : SW846 8260

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

Peak Number 3 Cyclopentane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.324	38.40 ug/l	681897	Pentafluorobenzene	8.224	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
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ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
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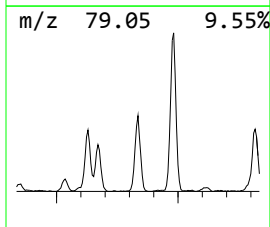
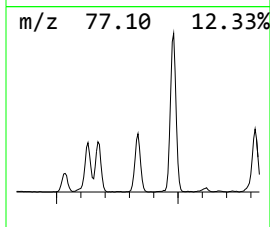
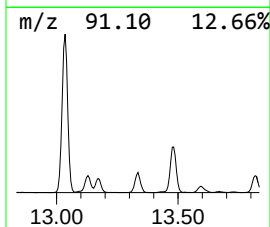
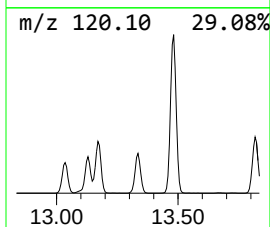
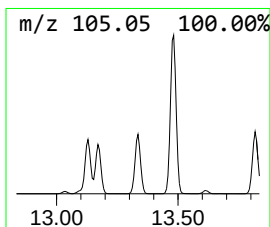
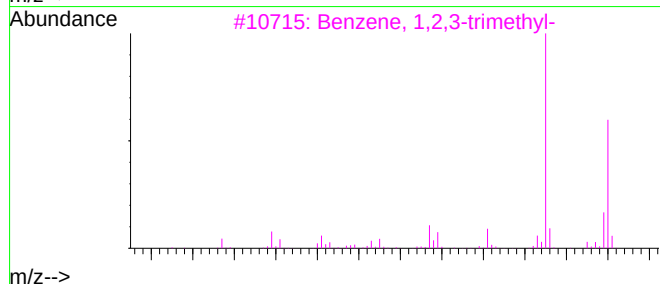
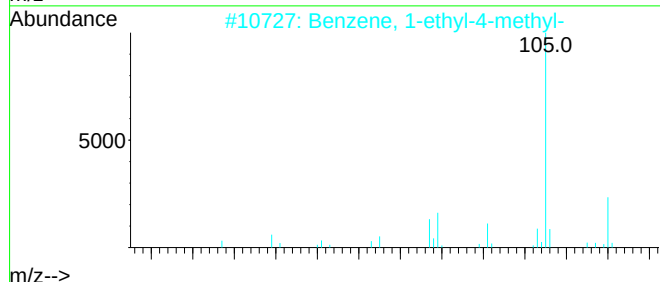
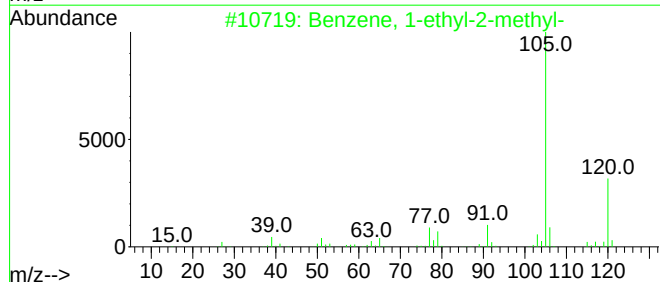
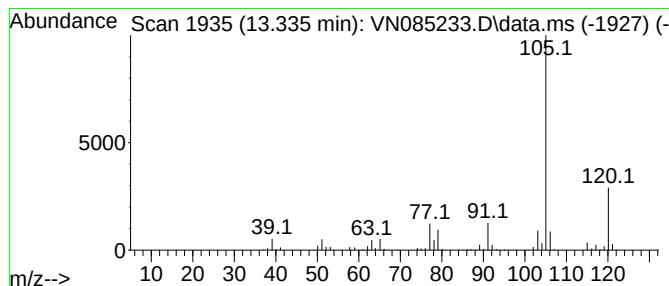
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.335	28.07 ug/l	1164860	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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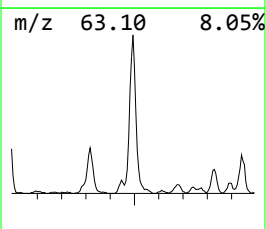
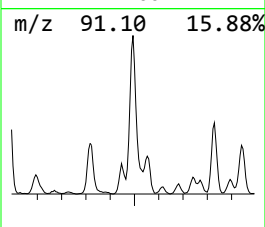
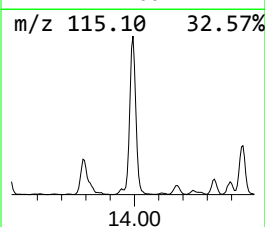
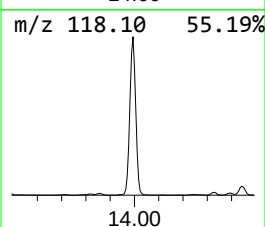
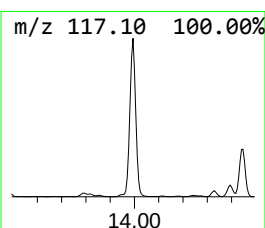
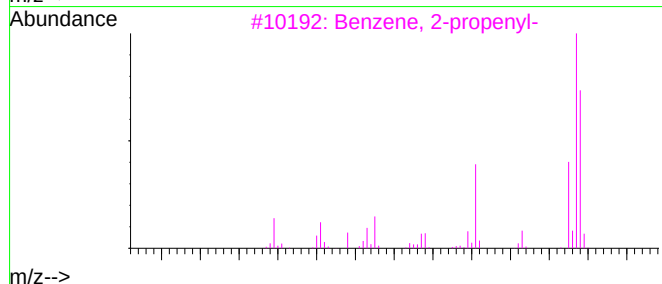
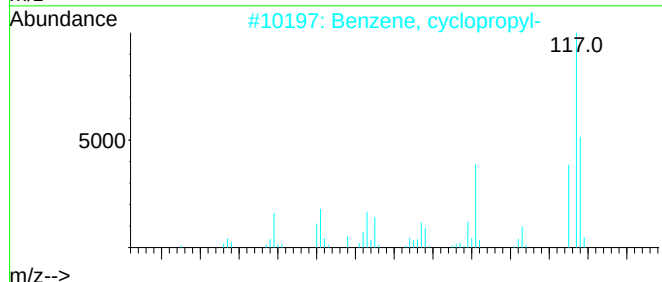
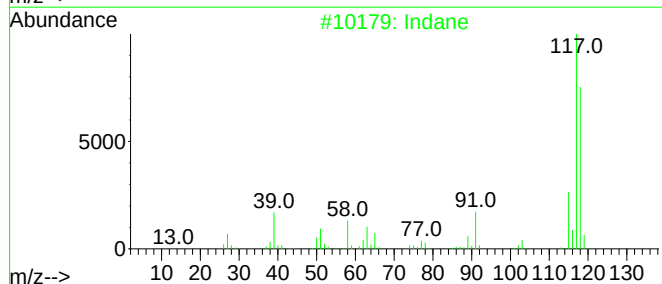
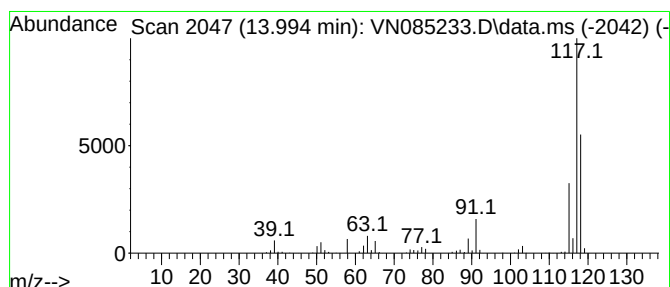
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Quant Title : SW846 8260

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

Peak Number 6 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	81.30 ug/l	3373330	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	68
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
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Operator : JC\MD
Sample : P5291-05
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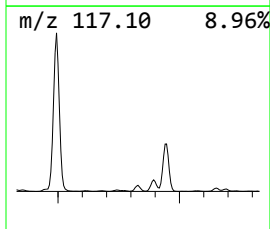
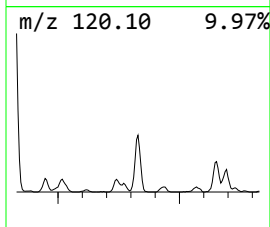
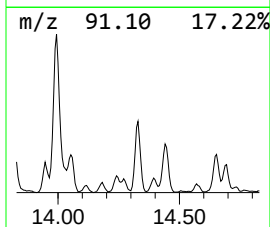
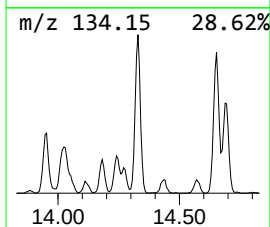
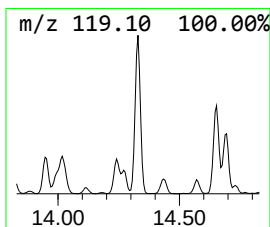
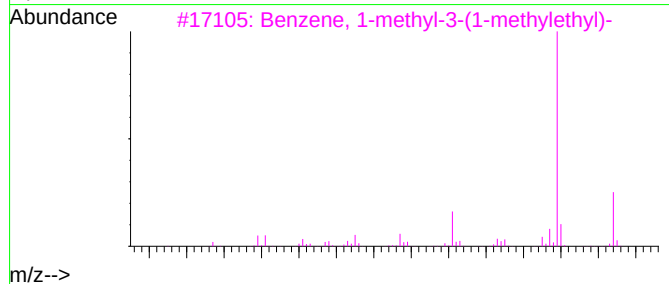
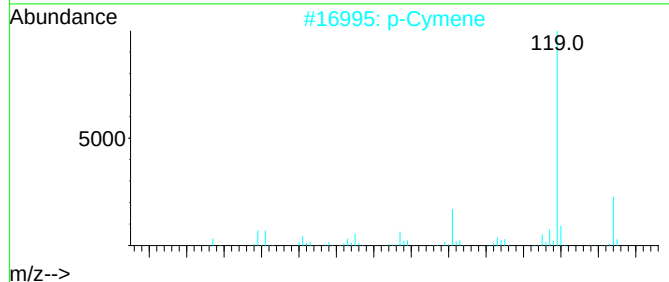
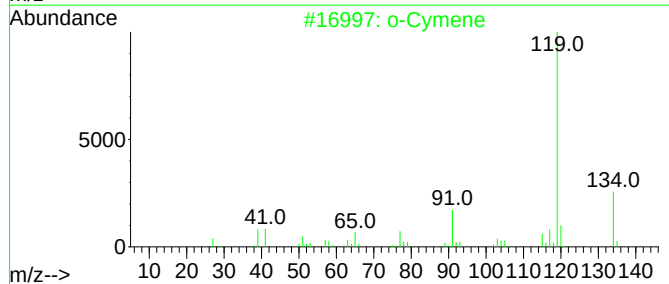
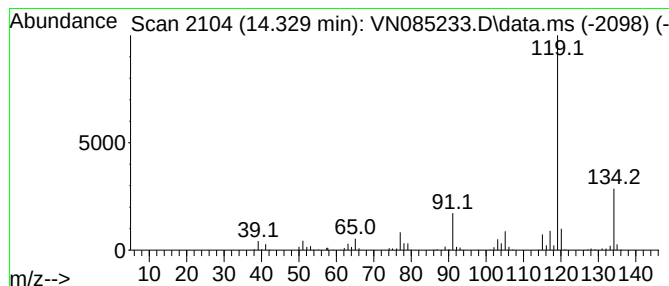
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Quant Title : SW846 8260

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

Peak Number 7 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.329	23.91 ug/l	992063	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
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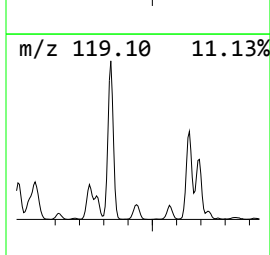
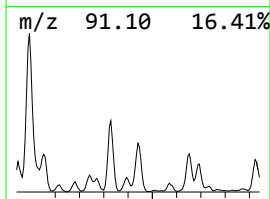
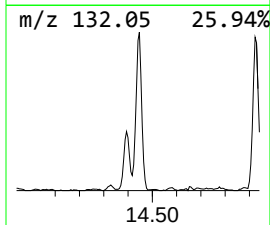
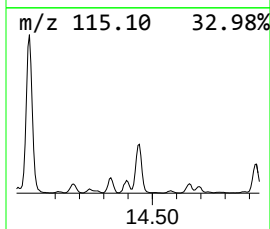
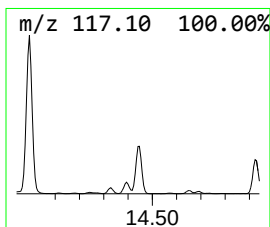
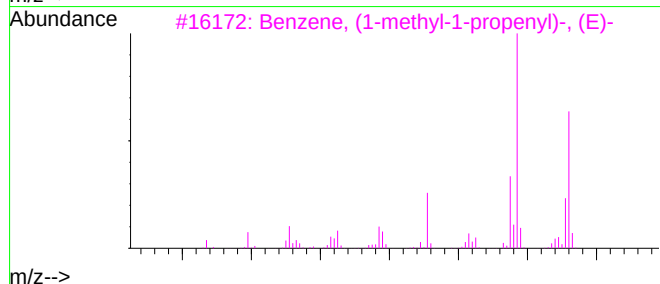
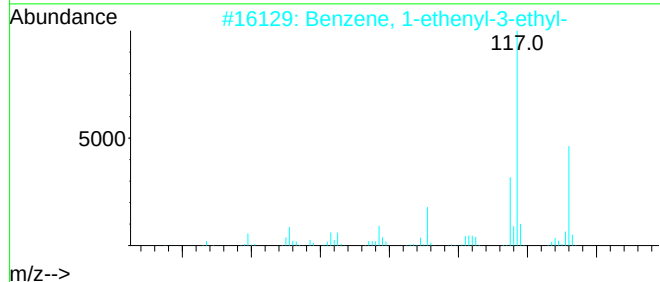
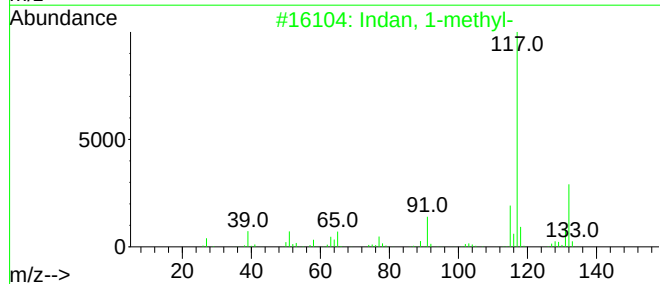
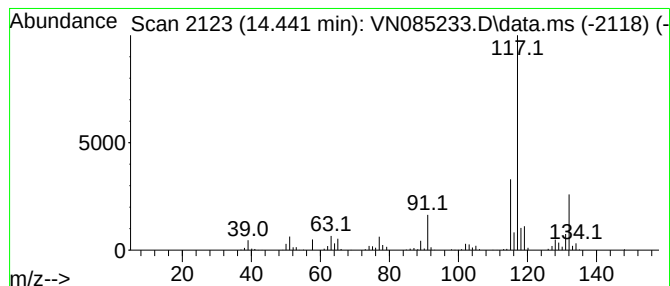
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Quant Title : SW846 8260

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

Peak Number 8 Indan, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.441	22.66 ug/l	940354	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
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Sample : P5291-05
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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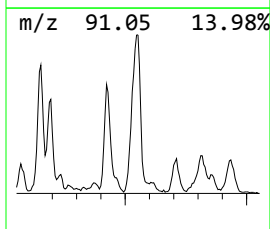
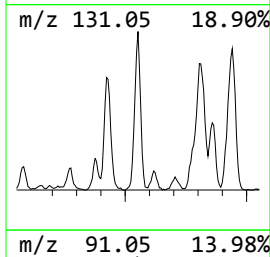
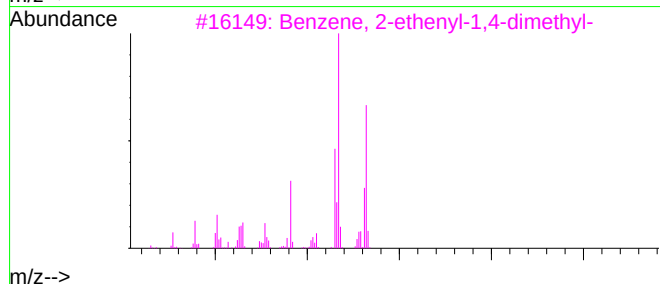
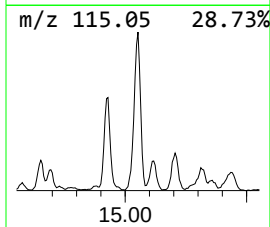
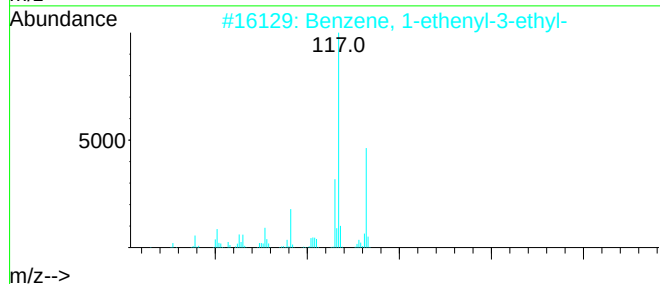
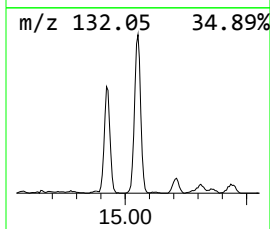
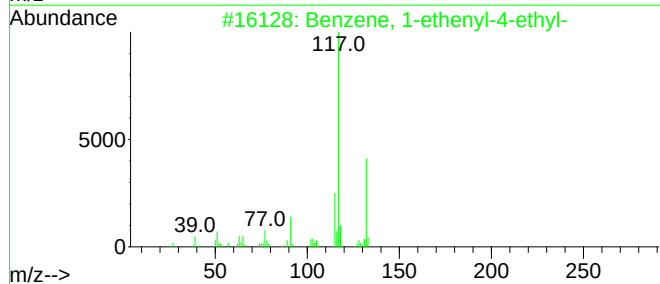
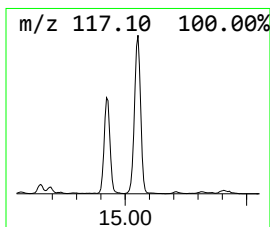
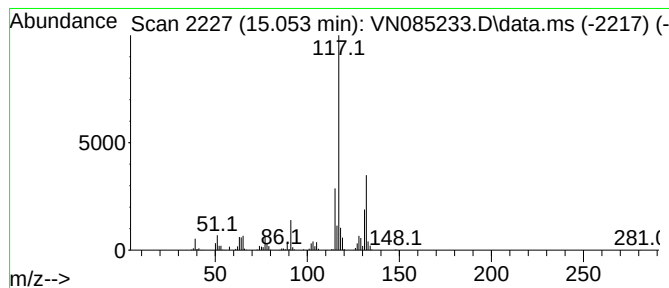
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TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.053	36.01 ug/l	1493990	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085233.D
Acq On : 17 Dec 2024 18:46
Operator : JC\MD
Sample : P5291-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Pentane, 2-methyl-	5.341	29.0	ug/l	515287	1	8.224	887874	50.0
Pentane, 3-methyl-	5.812	39.3	ug/l	698415	1	8.224	887874	50.0
Cyclopentane, m...	7.324	38.4	ug/l	681897	1	8.224	887874	50.0
Benzene, 1-ethy...	13.335	28.1	ug/l	1164860	4	13.788	2074690	50.0
Indane	13.994	81.3	ug/l	3373330	4	13.788	2074690	50.0
o-Cymene	14.329	23.9	ug/l	992063	4	13.788	2074690	50.0
Indan, 1-methyl-	14.441	22.7	ug/l	940354	4	13.788	2074690	50.0
Benzene, 1-ethe...	15.053	36.0	ug/l	1493990	4	13.788	2074690	50.0

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW2-20241213DL			SDG No.:	P5291
Lab Sample ID:	P5291-05DL			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085257.D	5		12/18/24 17:56	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	UD	1.10	5.00	ug/L
74-87-3	Chloromethane	1.80	UD	1.80	5.00	ug/L
75-01-4	Vinyl Chloride	1.70	UD	1.70	5.00	ug/L
74-83-9	Bromomethane	6.80	UD	6.80	25.0	ug/L
75-00-3	Chloroethane	2.80	UD	2.80	5.00	ug/L
75-69-4	Trichlorofluoromethane	1.70	UD	1.70	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	UD	1.30	5.00	ug/L
75-35-4	1,1-Dichloroethene	1.30	UD	1.30	5.00	ug/L
67-64-1	Acetone	33.3	D	7.00	25.0	ug/L
75-15-0	Carbon Disulfide	1.60	UD	1.60	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.80	UD	0.80	5.00	ug/L
79-20-9	Methyl Acetate	3.00	UD	3.00	5.00	ug/L
75-09-2	Methylene Chloride	1.60	UD	1.60	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.30	UD	1.30	5.00	ug/L
75-34-3	1,1-Dichloroethane	1.20	UD	1.20	5.00	ug/L
110-82-7	Cyclohexane	29.6	D	8.10	25.0	ug/L
78-93-3	2-Butanone	8.50	JD	6.50	25.0	ug/L
56-23-5	Carbon Tetrachloride	1.30	UD	1.30	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.30	UD	1.30	5.00	ug/L
74-97-5	Bromochloromethane	0.90	UD	0.90	5.00	ug/L
67-66-3	Chloroform	1.30	UD	1.30	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.95	UD	0.95	5.00	ug/L
108-87-2	Methylcyclohexane	30.7	D	0.95	5.00	ug/L
71-43-2	Benzene	52.2	D	0.80	5.00	ug/L
107-06-2	1,2-Dichloroethane	1.20	UD	1.20	5.00	ug/L
79-01-6	Trichloroethene	1.60	UD	1.60	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.95	UD	0.95	5.00	ug/L
75-27-4	Bromodichloromethane	1.20	UD	1.20	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.80	UD	3.80	25.0	ug/L
108-88-3	Toluene	5.30	D	0.90	5.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW2-20241213DL	SDG No.:	P5291
Lab Sample ID:	P5291-05DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085257.D	5		12/18/24 17:56	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.10	UD	1.10	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.90	UD	0.90	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.10	UD	1.10	5.00	ug/L
591-78-6	2-Hexanone	5.70	UDQ	5.70	25.0	ug/L
124-48-1	Dibromochloromethane	0.90	UD	0.90	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.80	UD	0.80	5.00	ug/L
127-18-4	Tetrachloroethene	1.30	UD	1.30	5.00	ug/L
108-90-7	Chlorobenzene	0.65	UD	0.65	5.00	ug/L
100-41-4	Ethyl Benzene	230	D	0.80	5.00	ug/L
179601-23-1	m/p-Xylenes	260	D	1.60	10.0	ug/L
95-47-6	o-Xylene	3.70	JD	0.70	5.00	ug/L
100-42-5	Styrene	0.80	UD	0.80	5.00	ug/L
75-25-2	Bromoform	1.10	UD	1.10	5.00	ug/L
98-82-8	Isopropylbenzene	22.9	D	0.65	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.40	UD	1.40	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.20	UD	1.20	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.40	UD	1.40	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.95	UD	0.95	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	UD	2.30	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.10	UD	2.10	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.60	UD	2.60	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	48.6		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	99100	8.23			
540-36-3	1,4-Difluorobenzene	180000	9.1			
3114-55-4	Chlorobenzene-d5	153000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	70100	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24
Client Sample ID:	MW2-20241213DL		SDG No.:	P5291
Lab Sample ID:	P5291-05DL		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085257.D	5		12/18/24 17:56	VN121824

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085257.D
 Acq On : 18 Dec 2024 17:56
 Operator : JC\MD
 Sample : P5291-05DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW2-20241213DL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 08:24:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	99052	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	9.100	114	179932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	153337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	70062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	85158	49.188	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.380%		
35) Dibromofluoromethane	8.165	113	61070	48.276	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.560%		
50) Toluene-d8	10.565	98	224651	48.588	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.180%		
62) 4-Bromofluorobenzene	12.847	95	78187	47.345	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.700%		
Target Compounds						
16) Acetone	4.430	43	3980m	6.660	ug/l	
25) 2-Butanone	7.483	43	1564m	1.709	ug/l	
31) Cyclohexane	8.253	56	13271	5.925	ug/l #	91
39) Methylcyclohexane	9.600	83	11237	6.130	ug/l	94
40) Benzene	8.606	78	57241	10.446	ug/l	92
52) Toluene	10.630	92	3482	1.057	ug/l	97
67) Ethyl Benzene	11.965	91	275136	46.571	ug/l	98
68) m/p-Xylenes	12.076	106	114997	52.044	ug/l	99
69) o-Xylene	12.394	106	1524	0.734	ug/l	96
73) Isopropylbenzene	12.694	105	23186	4.588	ug/l	98
78) n-propylbenzene	13.035	91	62580	10.096	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	48387	11.478	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	177154	41.112	ug/l	100
86) p-Isopropyltoluene	13.729	119	1553	2.256	ug/l #	61
89) n-Butylbenzene	14.053	91	6858	1.871	ug/l #	83

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

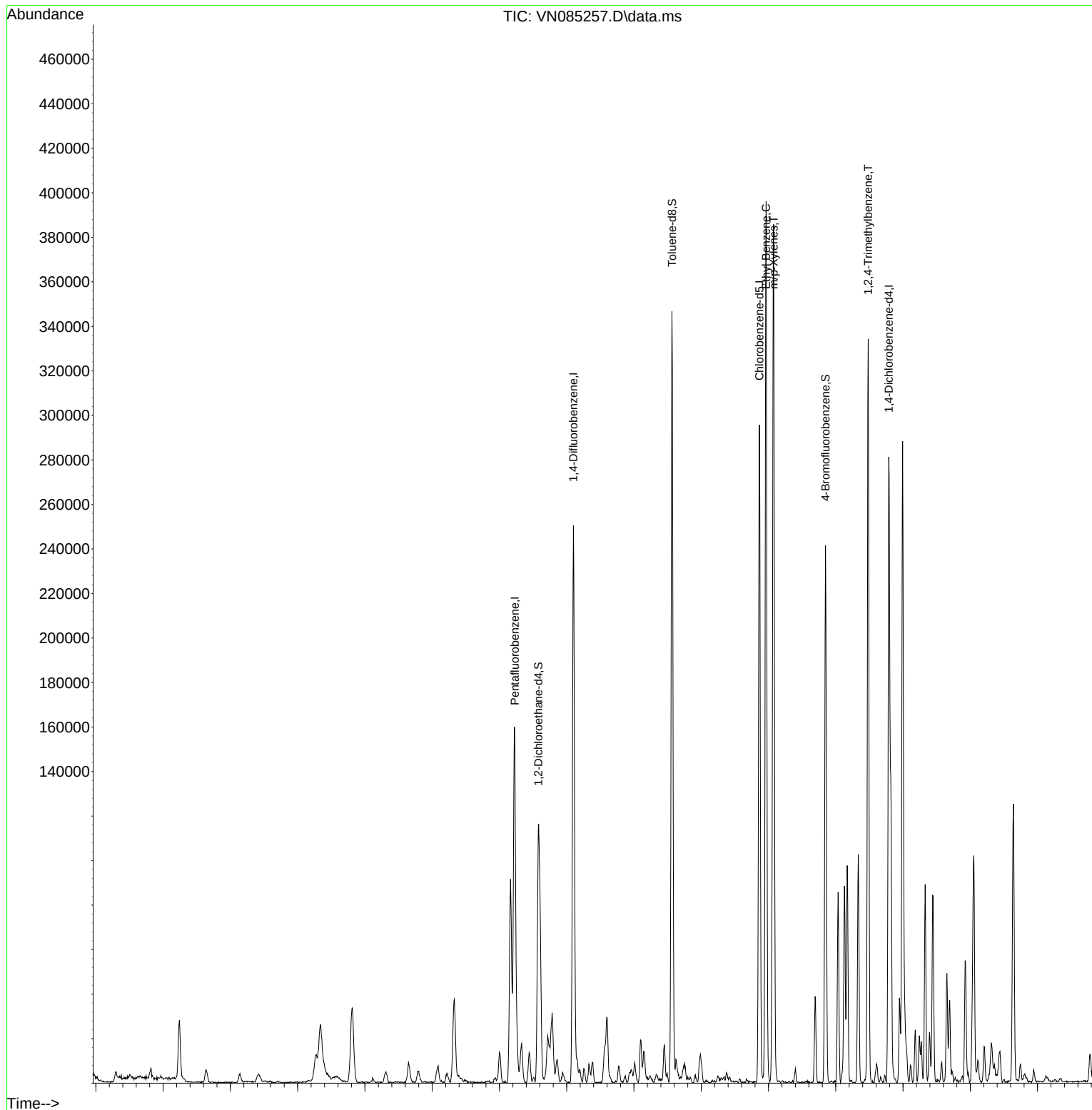
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Data File : VN085257.D
Acq On : 18 Dec 2024 17:56
Operator : JC\MD
Sample : P5291-05DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

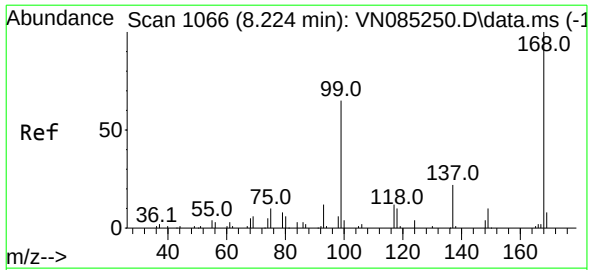
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL

Quant Time: Dec 19 08:24:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

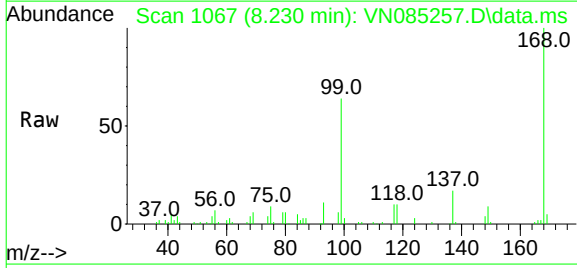
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1066
Delta R.T. 0.012 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

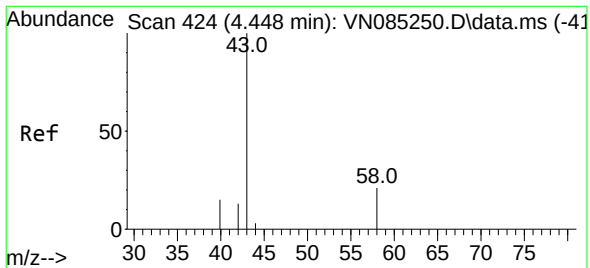
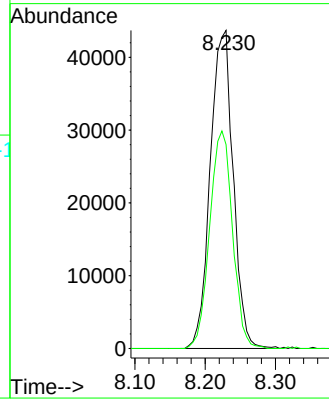
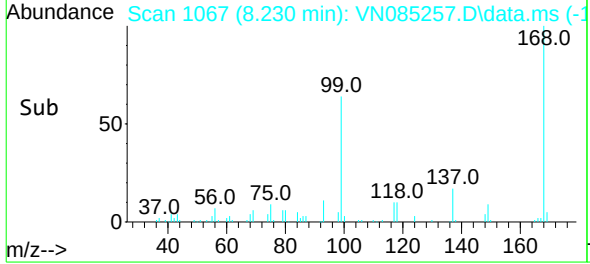
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL



Tgt Ion: 168 Resp: 99052
Ion Ratio Lower Upper
168 100
99 64.1 50.7 76.1

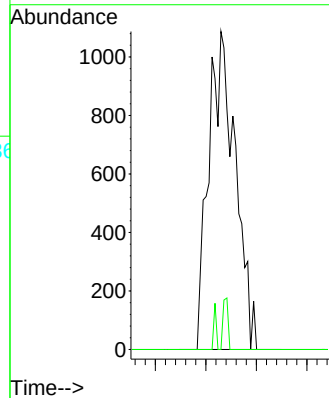
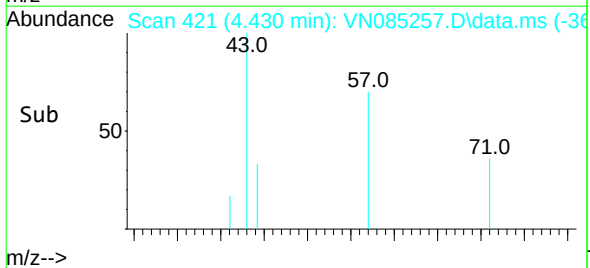
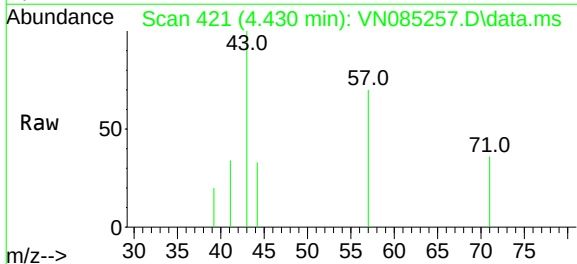
Manual Integrations
APPROVED

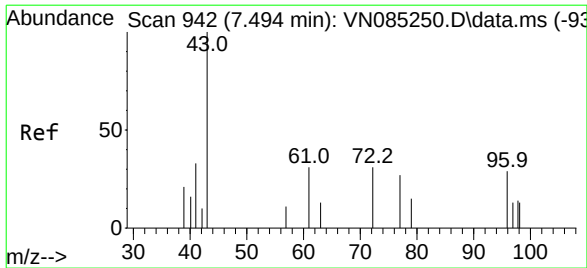
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#16
Acetone
Concen: 6.660 ug/l m
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Tgt Ion: 43 Resp: 3980
Ion Ratio Lower Upper
43 100
58 0.0 20.8 31.2#





#25

2-Butanone

Concen: 1.709 ug/l m

RT: 7.483 min Scan# 94

Delta R.T. -0.000 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213DL

Tgt Ion: 43 Resp: 1564

Ion Ratio Lower Upper

43 100

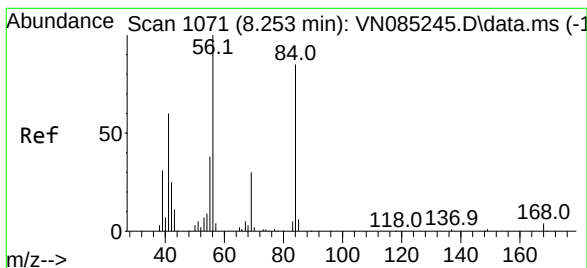
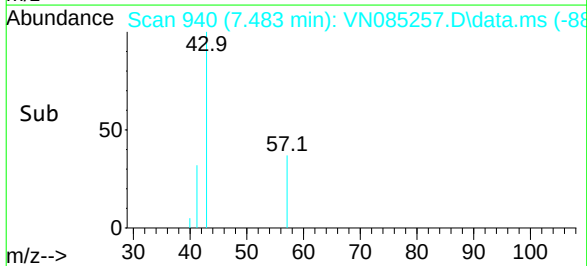
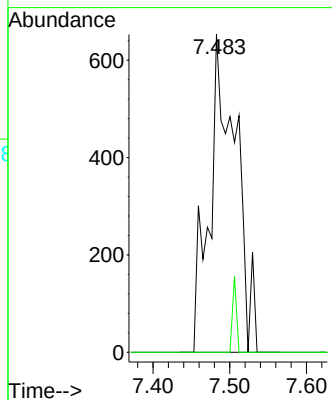
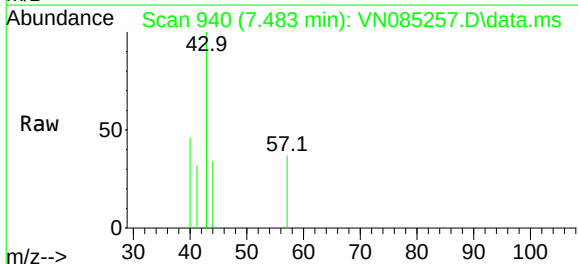
72 0.0 19.6 29.4#

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#31

Cyclohexane

Concen: 5.925 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

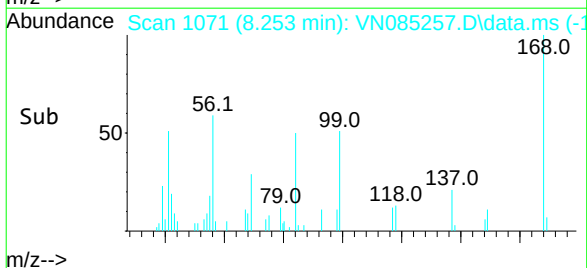
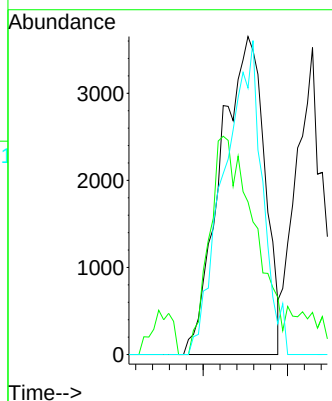
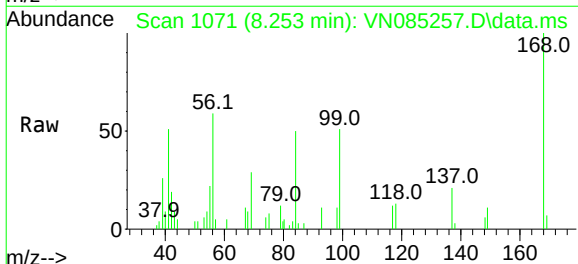
Tgt Ion: 56 Resp: 13271

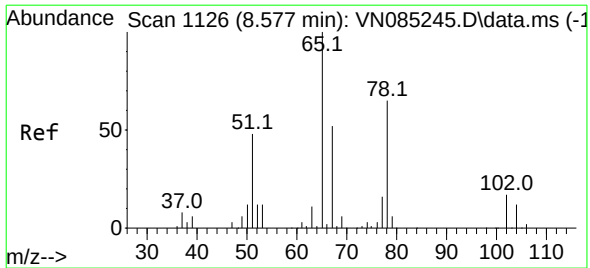
Ion Ratio Lower Upper

56 100

69 48.0 23.6 35.4#

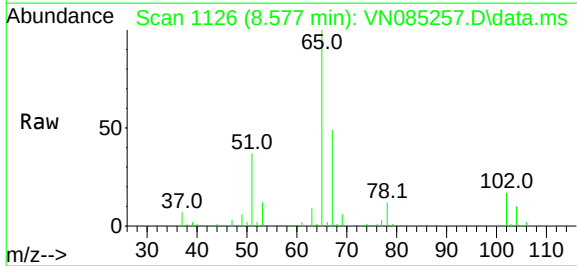
84 83.8 66.6 99.8





#33
1,2-Dichloroethane-d4
Concen: 49.188 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

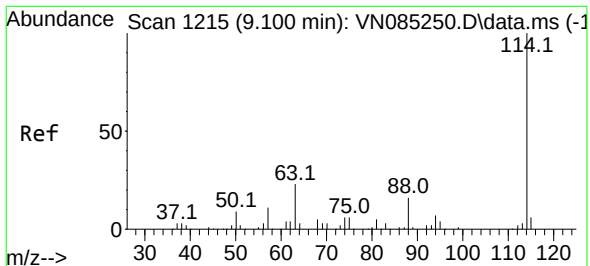
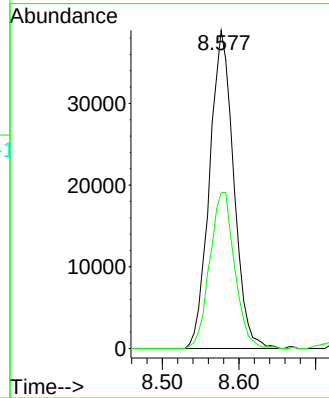
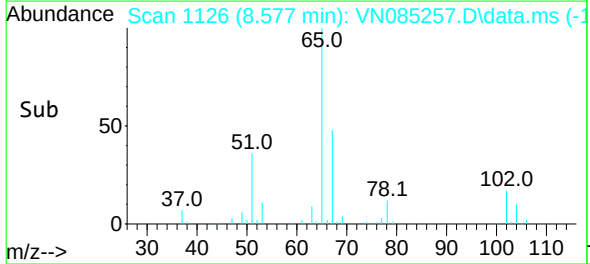
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL



Tgt Ion: 65 Resp: 85158
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.2

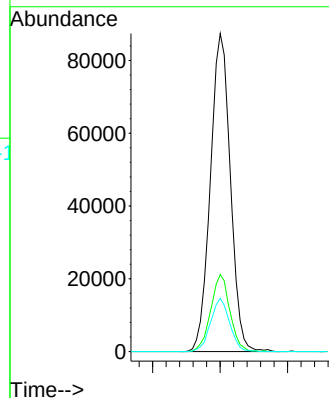
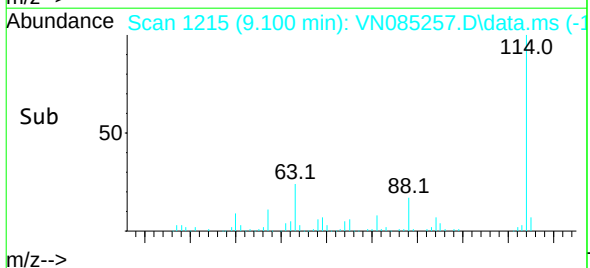
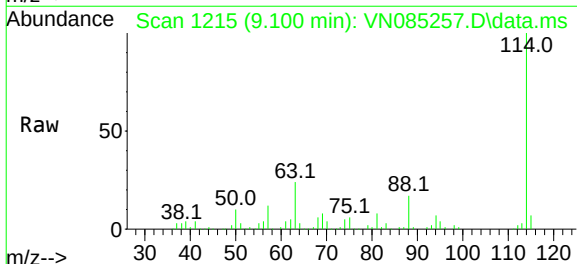
Manual Integrations
APPROVED

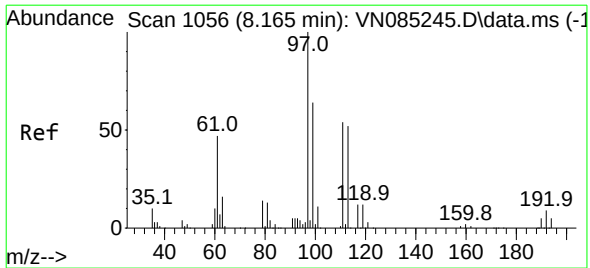
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Tgt Ion:114 Resp: 179932
Ion Ratio Lower Upper
114 100
63 24.2 0.0 46.2
88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.276 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085257.D

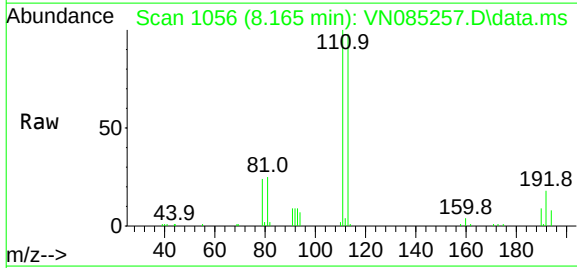
Acq: 18 Dec 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213DL



Tgt Ion: 113 Resp: 61070

Ion Ratio Lower Upper

113 100

111 102.9 82.1 123.1

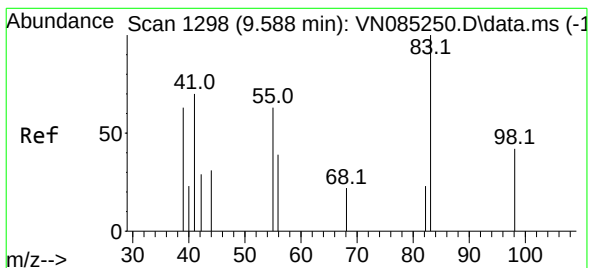
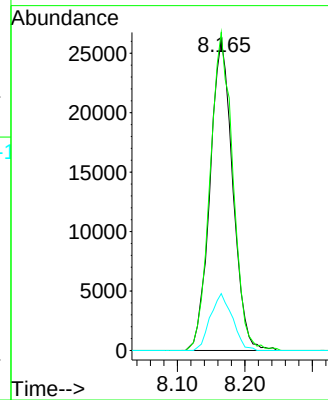
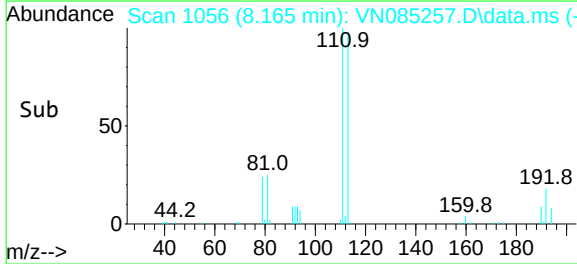
192 17.8 13.4 20.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#39

Methylcyclohexane

Concen: 6.130 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

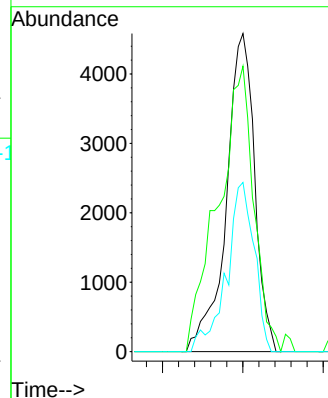
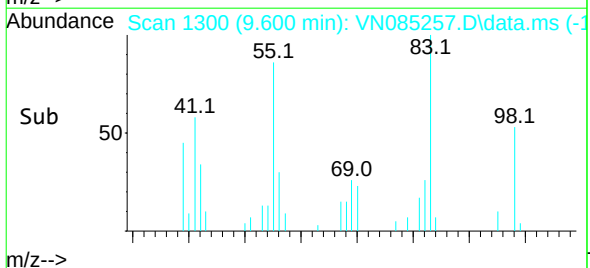
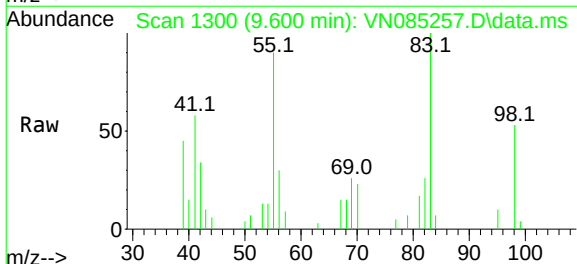
Tgt Ion: 83 Resp: 11237

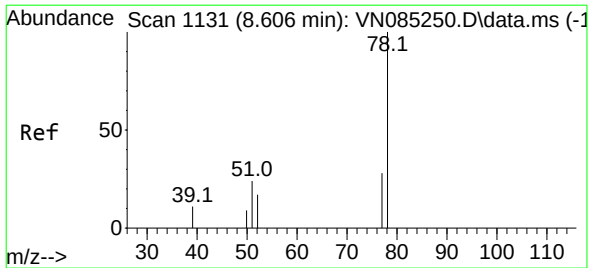
Ion Ratio Lower Upper

83 100

55 89.7 66.8 100.2

98 53.2 39.4 59.2





#40

Benzene

Concen: 10.446 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213DL

Tgt Ion: 78 Resp: 57241

Ion Ratio Lower Upper

78 100

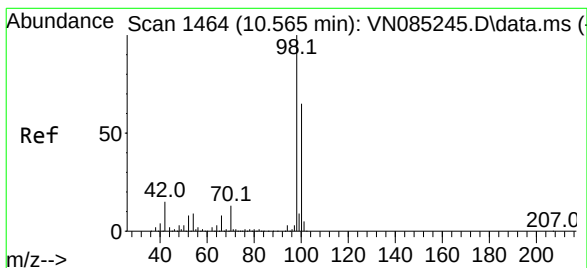
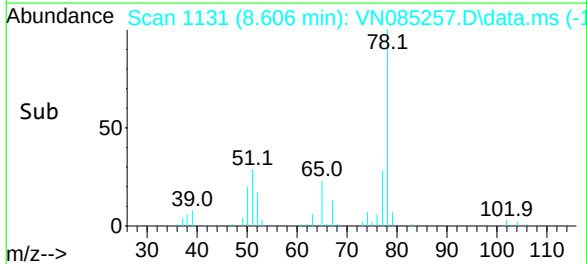
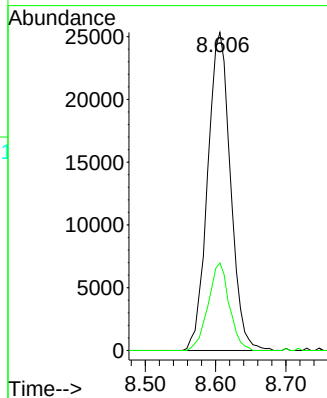
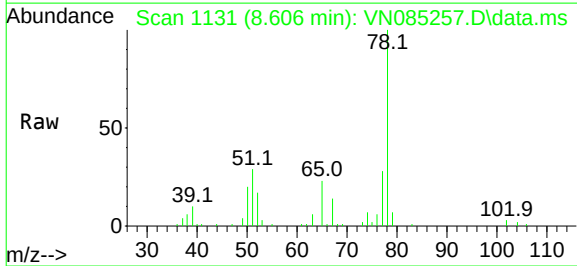
77 27.5 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#50

Toluene-d8

Concen: 48.588 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085257.D

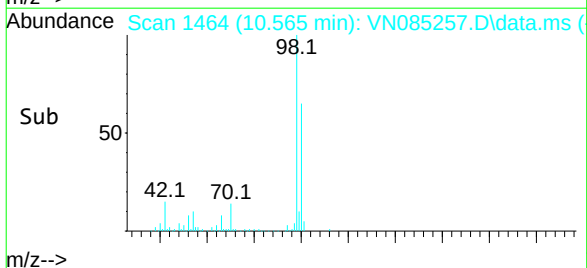
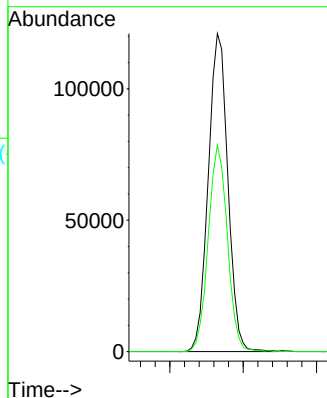
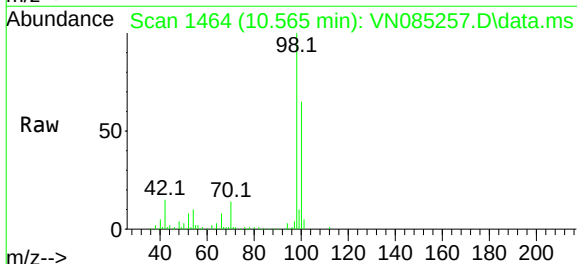
Acq: 18 Dec 2024 17:56

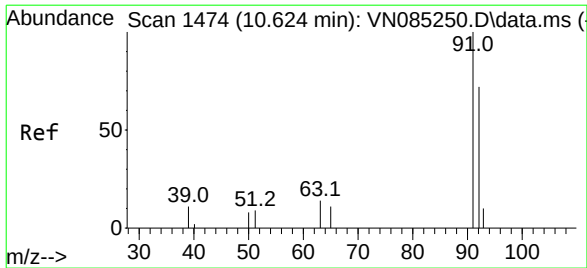
Tgt Ion: 98 Resp: 224651

Ion Ratio Lower Upper

98 100

100 63.4 51.6 77.4





#52

Toluene

Concen: 1.057 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213DL

Tgt Ion: 92 Resp: 3482

Ion Ratio Lower Upper

92 100

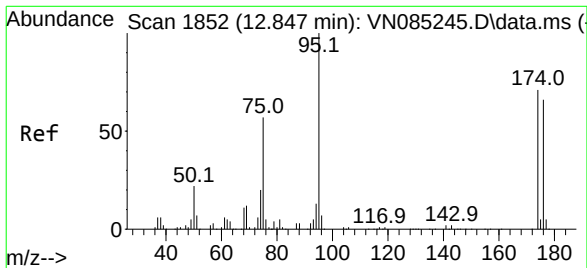
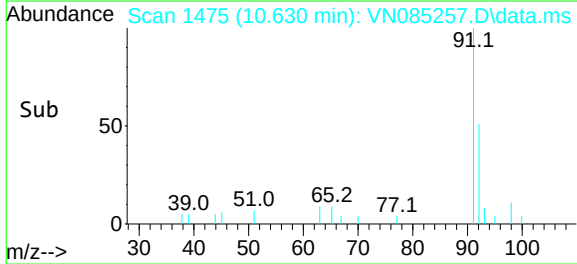
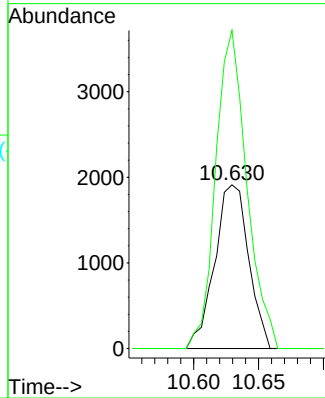
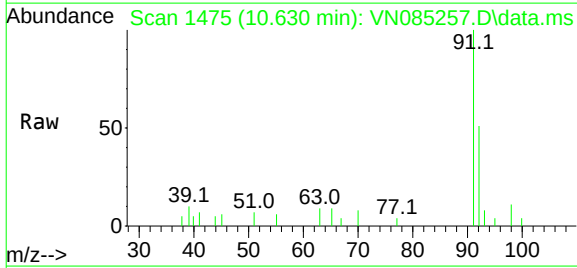
91 178.0 138.9 208.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#62

4-Bromofluorobenzene

Concen: 47.345 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

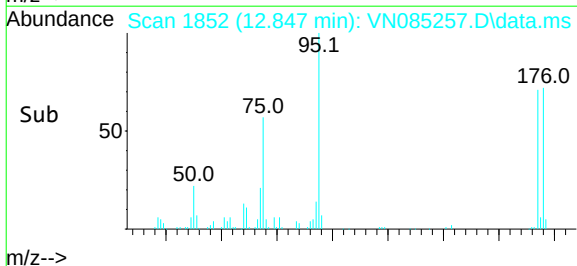
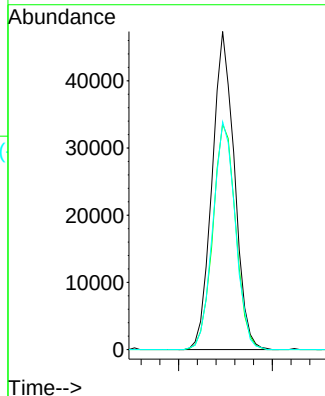
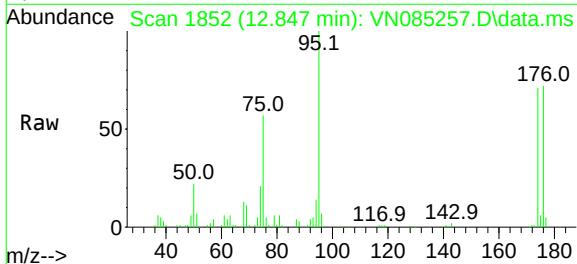
Tgt Ion: 95 Resp: 78187

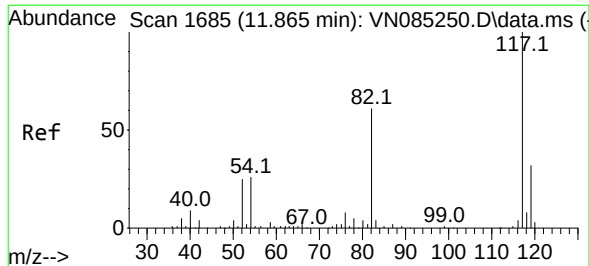
Ion Ratio Lower Upper

95 100

174 72.4 0.0 144.4

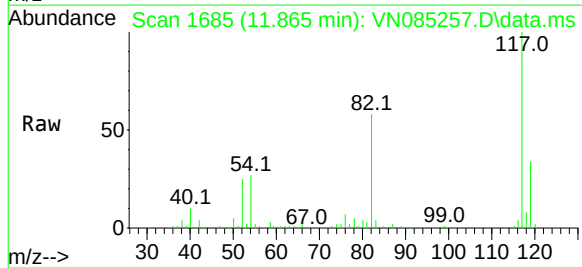
176 72.3 0.0 136.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

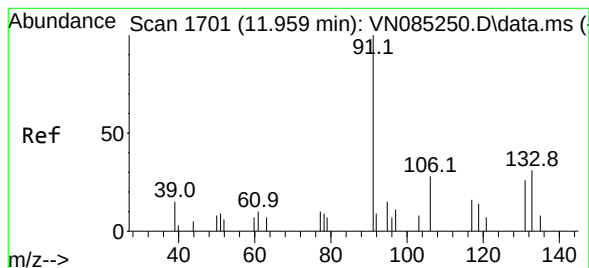
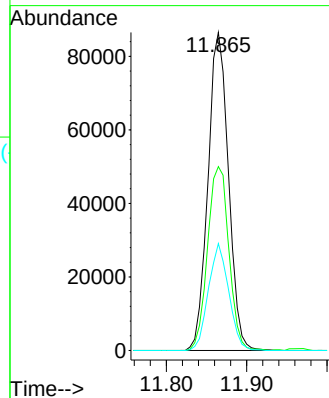
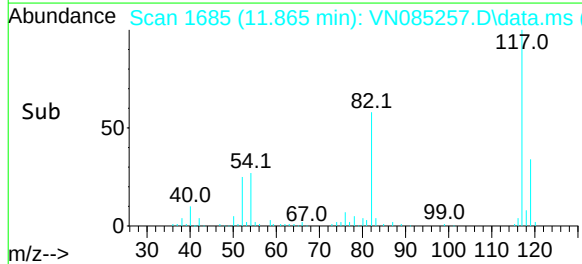
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL



Tgt Ion: 117 Resp: 153337
Ion Ratio Lower Upper
117 100
82 57.8 47.4 71.2
119 33.6 25.6 38.4

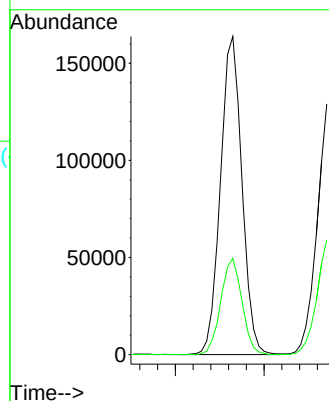
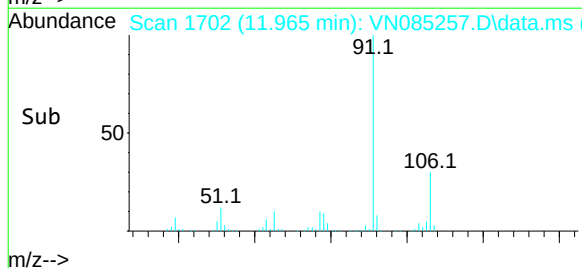
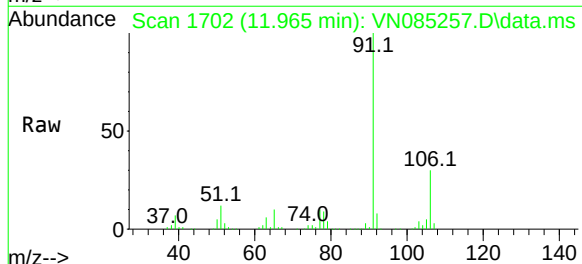
Manual Integrations
APPROVED

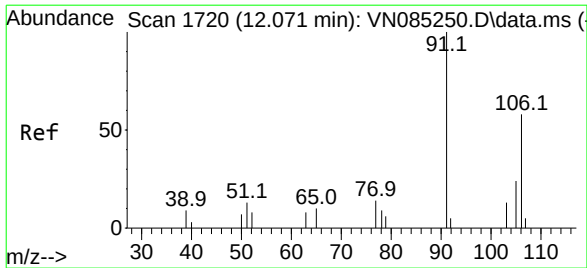
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#67
Ethyl Benzene
Concen: 46.571 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Tgt Ion: 91 Resp: 275136
Ion Ratio Lower Upper
91 100
106 30.2 23.5 35.3





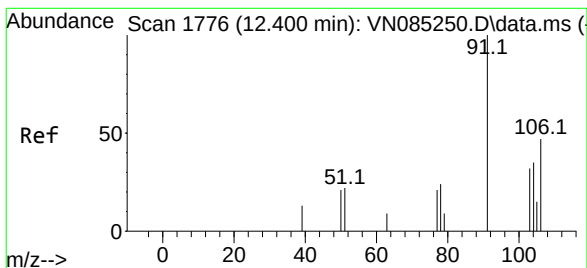
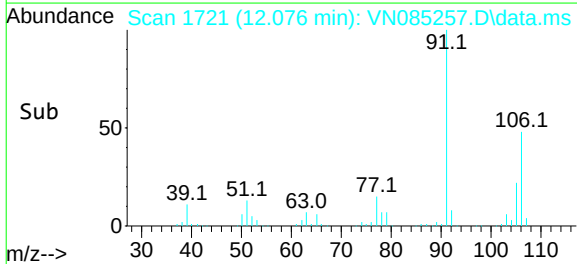
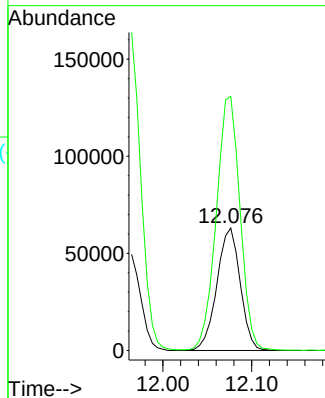
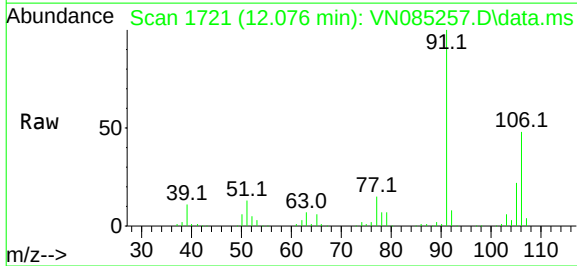
#68
m/p-Xylenes
Concen: 52.044 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL

Tgt Ion:106 Resp: 114997
Ion Ratio Lower Upper
106 100
91 212.0 168.3 252.5

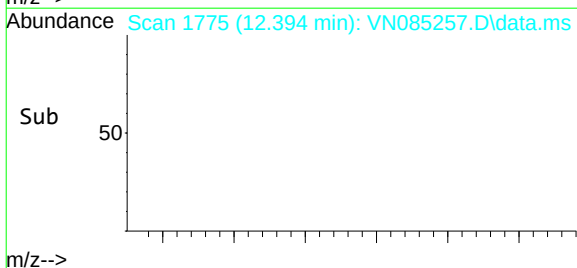
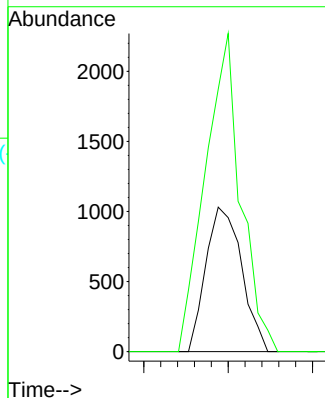
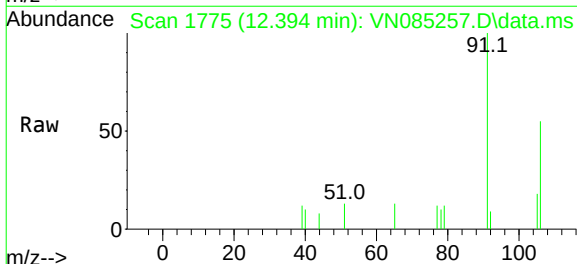
Manual Integrations
APPROVED

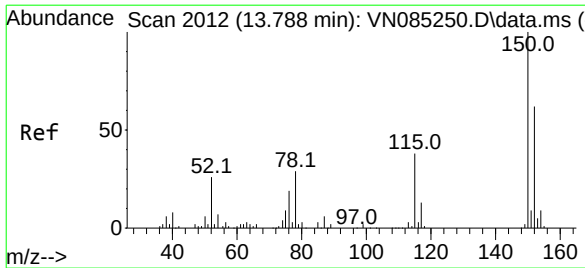
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#69
o-Xylene
Concen: 0.734 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Tgt Ion:106 Resp: 1524
Ion Ratio Lower Upper
106 100
91 217.4 112.1 336.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213DL

Tgt Ion:152 Resp: 70062

Ion Ratio Lower Upper

152 100

115 66.5 32.1 96.3

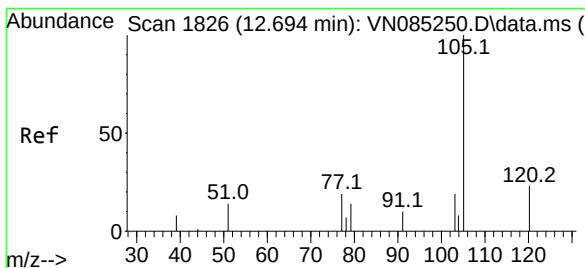
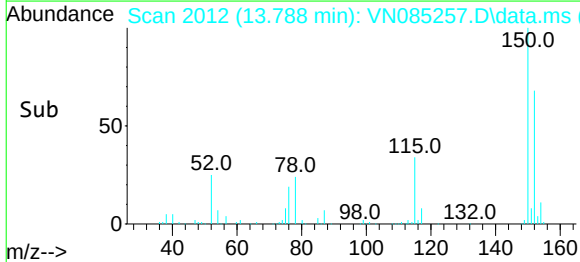
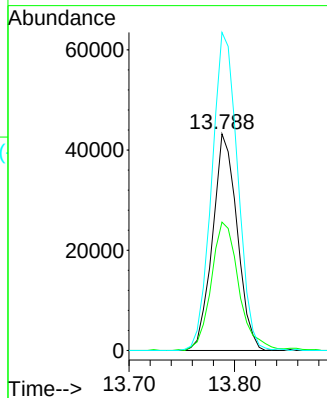
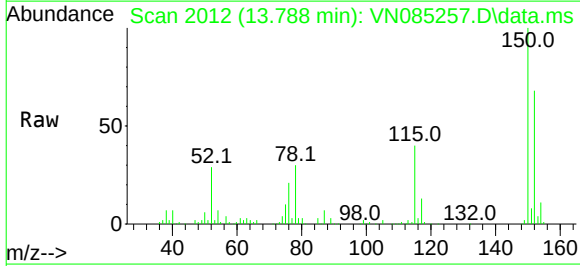
150 155.1 0.0 354.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#73

Isopropylbenzene

Concen: 4.588 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085257.D

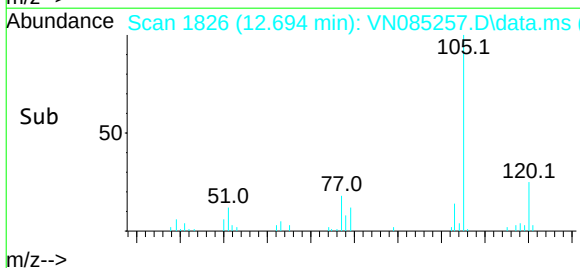
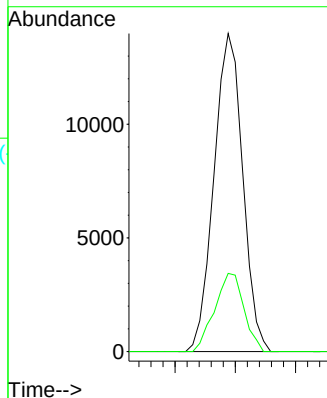
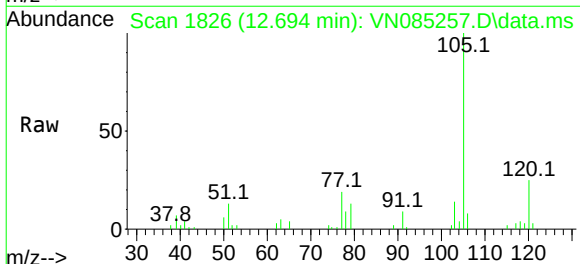
Acq: 18 Dec 2024 17:56

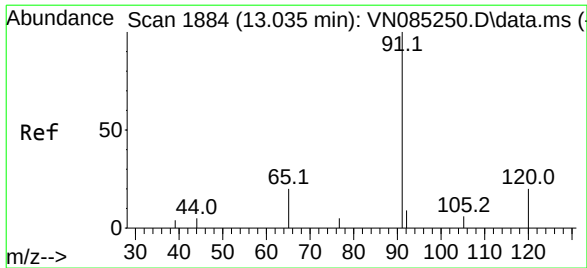
Tgt Ion:105 Resp: 23186

Ion Ratio Lower Upper

105 100

120 25.0 13.0 38.9





#78

n-propylbenzene

Concen: 10.096 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085257.D

Acq: 18 Dec 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213DL

Tgt Ion: 91 Resp: 62580

Ion Ratio Lower Upper

91 100

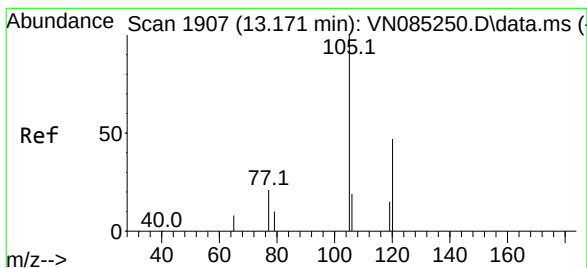
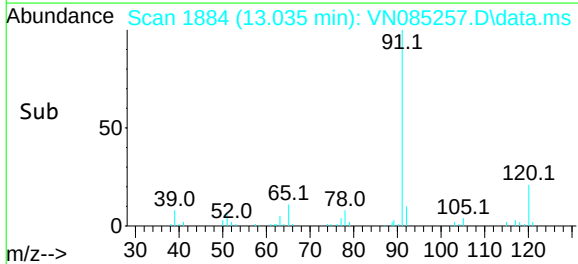
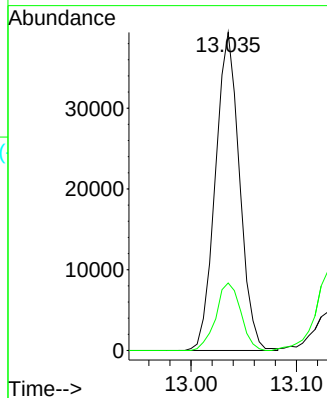
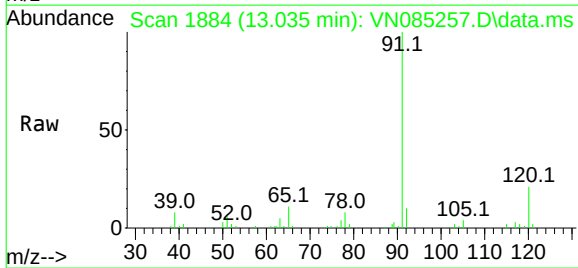
120 21.8 10.8 32.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#80

1,3,5-Trimethylbenzene

Concen: 11.478 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085257.D

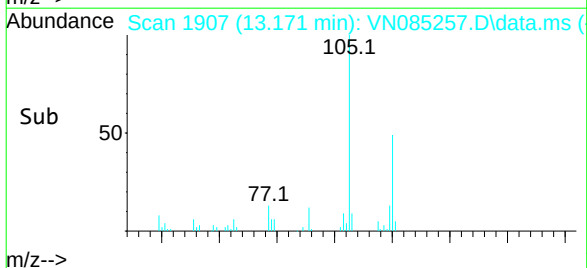
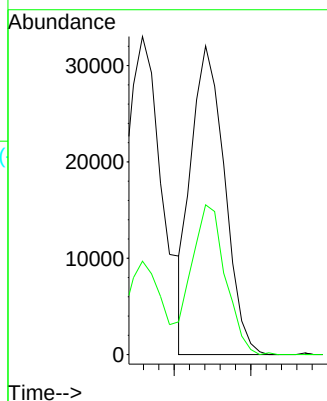
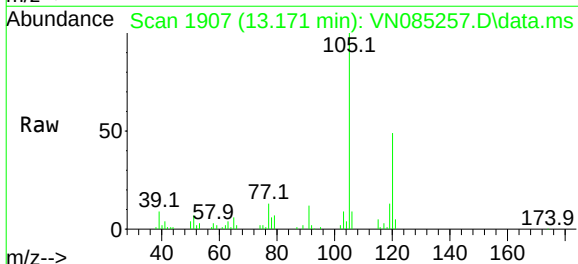
Acq: 18 Dec 2024 17:56

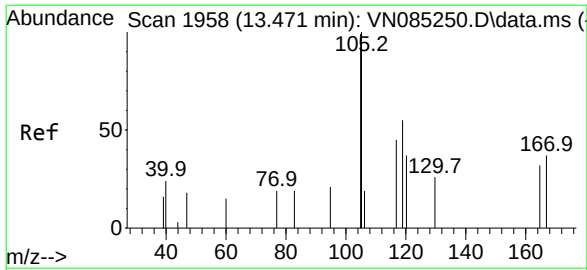
Tgt Ion:105 Resp: 48387

Ion Ratio Lower Upper

105 100

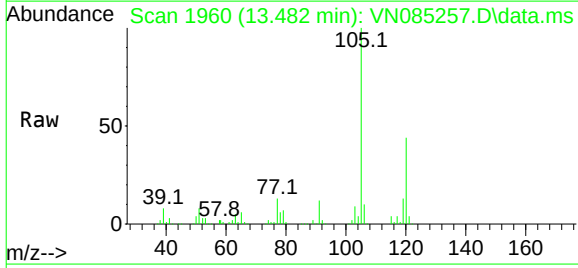
120 50.7 23.4 70.2





#84
1,2,4-Trimethylbenzene
Concen: 41.112 ug/l
RT: 13.482 min Scan# 1958
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

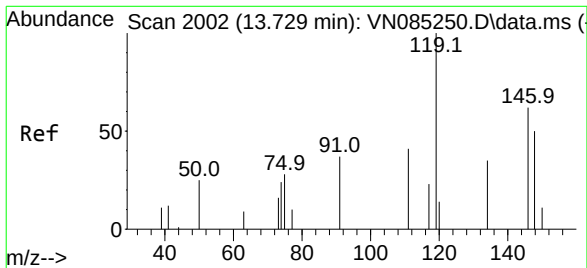
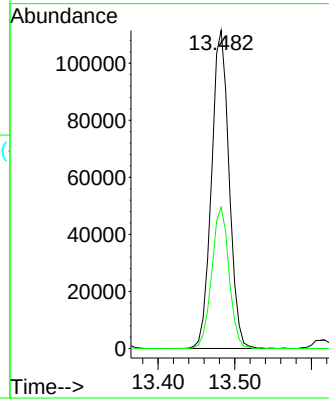
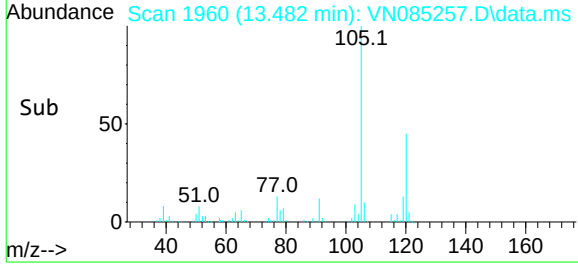
Instrument :
MSVOA_N
ClientSampleId :
MW2-20241213DL



Tgt Ion:105 Resp: 177154
Ion Ratio Lower Upper
105 100
120 43.7 21.8 65.3

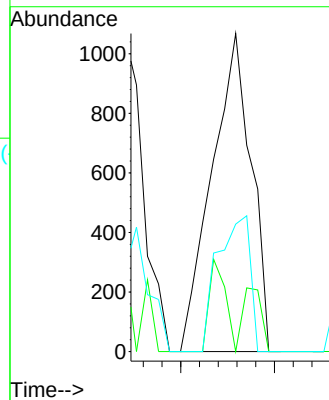
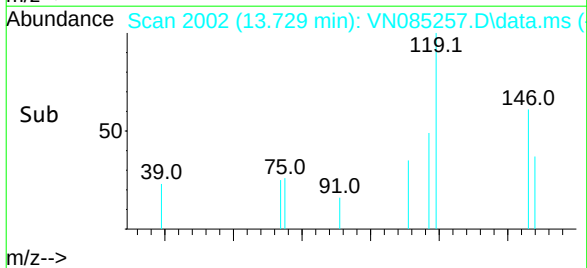
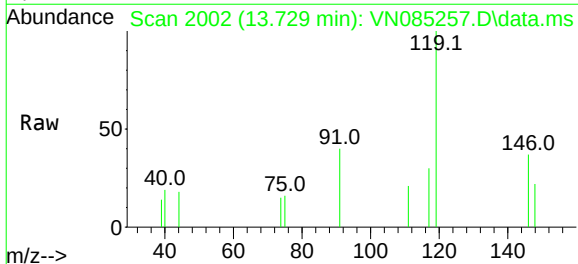
Manual Integrations
APPROVED

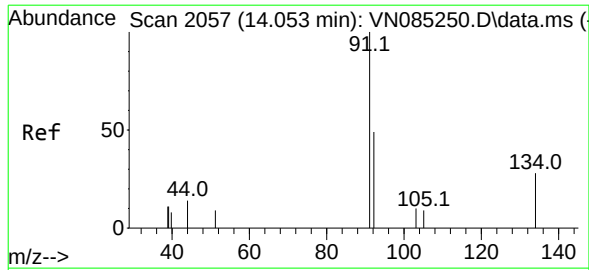
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#86
p-Isopropyltoluene
Concen: 2.256 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN085257.D
Acq: 18 Dec 2024 17:56

Tgt Ion:119 Resp: 1553
Ion Ratio Lower Upper
119 100
134 12.0 12.5 37.5#
91 0.0 13.0 38.9#





#89

n-Butylbenzene

Concen: 1.871 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085257.D

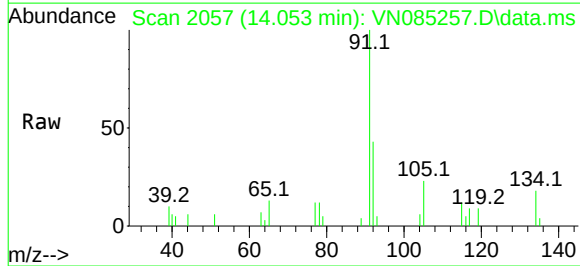
Acq: 18 Dec 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

MW2-20241213DL



Tgt Ion: 91 Resp: 6858

Ion Ratio Lower Upper

91 100

92 53.1 25.8 77.3

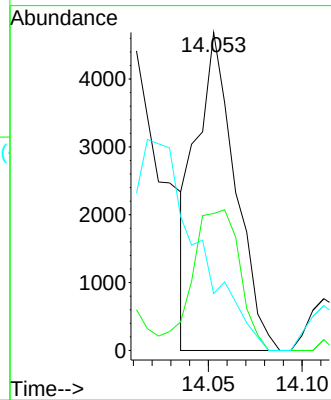
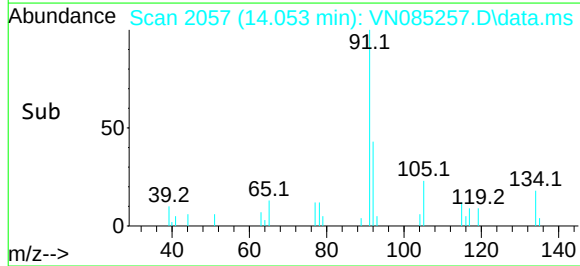
134 0.0 12.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24	
Client Sample ID:	MW3-20241213		SDG No.:	P5291	
Lab Sample ID:	P5291-06		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085234.D	1		12/17/24 19:10	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	UQ	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	UQ	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
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	6.00		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	7.10		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	7.40		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	9.20		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
108-88-3	Toluene	130	E	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW3-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085234.D	1		12/17/24 19:10	VN121724

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW3-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-06	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085234.D	1		12/17/24 19:10	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
002597-49-1	Cyclobutane, ethenyl-	13.8	J		8.74	ug/L
103-65-1	n-propylbenzene	61.8	J		13.0	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	34.7	J		13.1	ug/L
108-67-8	1,3,5-Trimethylbenzene	120	J		13.2	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	34.8	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	780	J		13.5	ug/L
99-87-6	p-Isopropyltoluene	2.40	J		13.7	ug/L
000496-11-7	Indane	57.1	J		14.0	ug/L
000766-82-5	3-Methylphenylacetylene	9.00	J		14.2	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	9.80	J		14.3	ug/L
000768-49-0	Benzene, (2-methyl-1-propenyl)-	10.9	J		14.4	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	8.90	J		14.7	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	19.2	J		15.0	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085234.D
 Acq On : 17 Dec 2024 19:10
 Operator : JC\MD
 Sample : P5291-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW3-20241213

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:31:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	159032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	268182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108555	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105753	46.684	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.360%		
35) Dibromofluoromethane	8.165	113	85223	47.123	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.240%		
50) Toluene-d8	10.565	98	322471	49.754	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.500%		
62) 4-Bromofluorobenzene	12.847	95	126644	52.250	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.500%		
Target Compounds						Qvalue
16) Acetone	4.436	43	3959	6.001	ug/l	89
30) Chloroform	7.965	83	26863	7.368	ug/l	93
31) Cyclohexane	8.253	56	21547	7.141	ug/l #	87
39) Methylcyclohexane	9.600	83	23376	9.183	ug/l	98
52) Toluene	10.630	92	618303	134.805	ug/l	100
64) Tetrachloroethene	11.106	164	877	0.532	ug/l	94
67) Ethyl Benzene	11.965	91	5089929	565.477	ug/l	99
68) m/p-Xylenes	12.071	106	3333649	972.790	ug/l	99
69) o-Xylene	12.394	106	1688297	517.914	ug/l	98
73) Isopropylbenzene	12.694	105	220637	28.811	ug/l	100
78) n-propylbenzene	13.035	91	545842	61.796	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	788278	122.666	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	5137382	776.646	ug/l	99
86) p-Isopropyltoluene	13.729	119	14594m	2.367	ug/l	

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

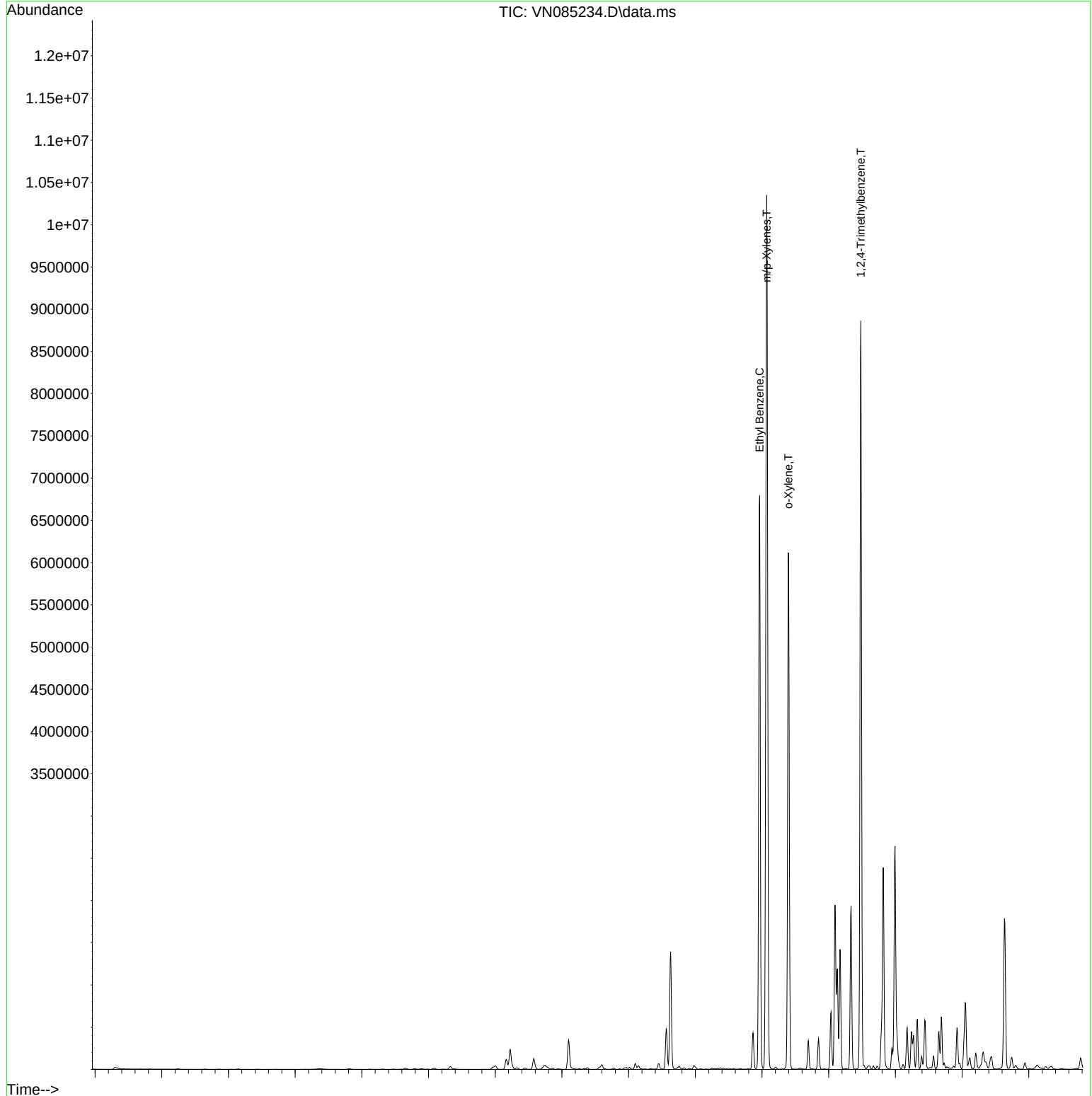
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Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

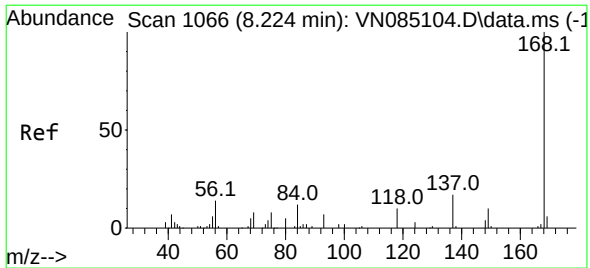
Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

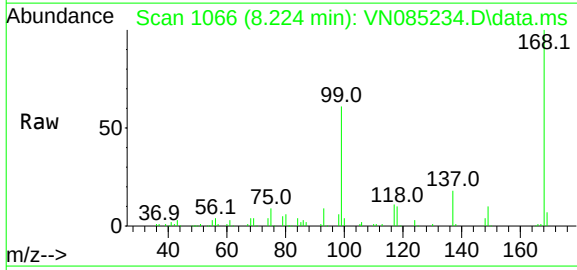
Quant Time: Dec 18 00:31:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085234.D
Acq: 17 Dec 2024 19:10

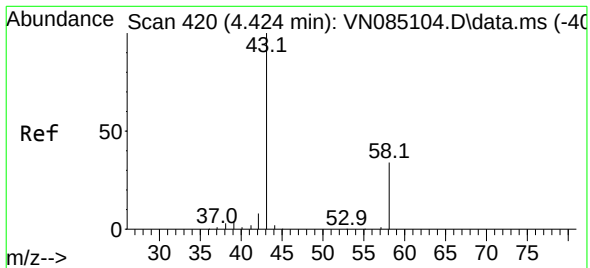
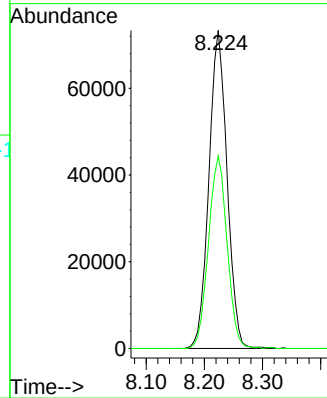
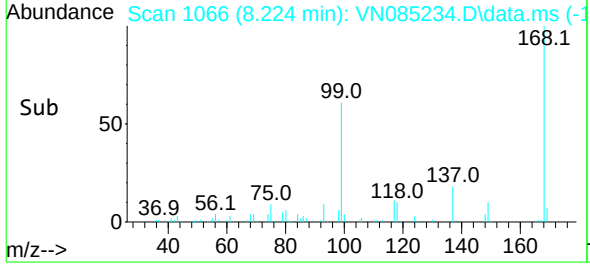
Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213



Tgt Ion: 168 Resp: 159032
Ion Ratio Lower Upper
168 100
99 60.5 51.2 76.8

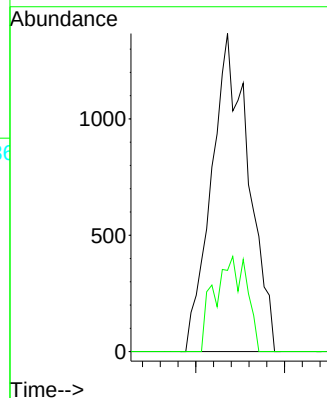
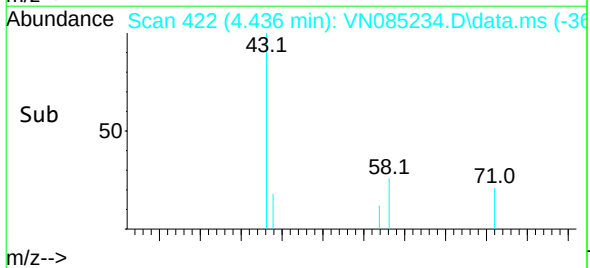
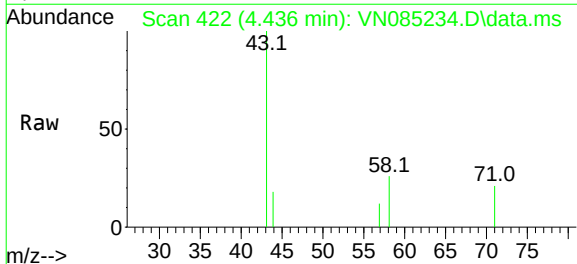
Manual Integrations
APPROVED

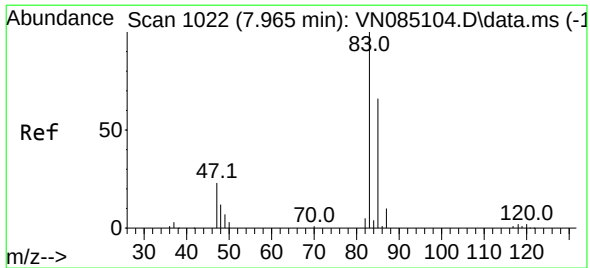
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#16
Acetone
Concen: 6.001 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN085234.D
Acq: 17 Dec 2024 19:10

Tgt Ion: 43 Resp: 3959
Ion Ratio Lower Upper
43 100
58 25.5 25.4 38.2





#30

Chloroform

Concen: 7.368 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN085234.D

Acq: 17 Dec 2024 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213

Tgt Ion: 83 Resp: 26863

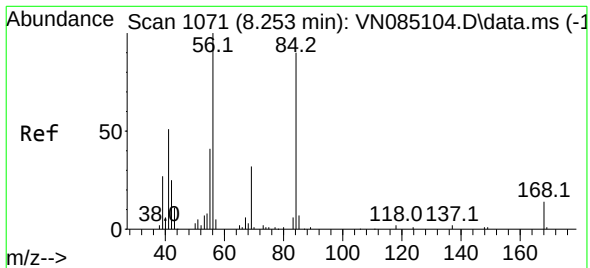
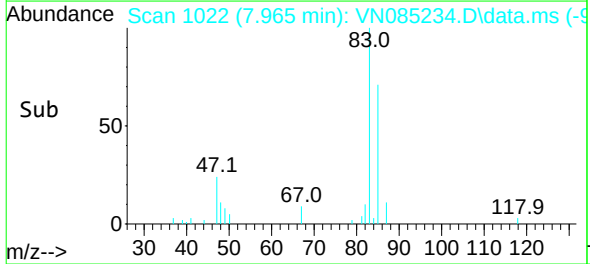
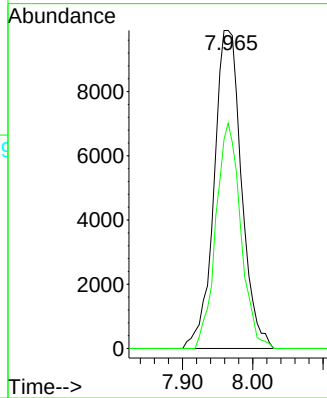
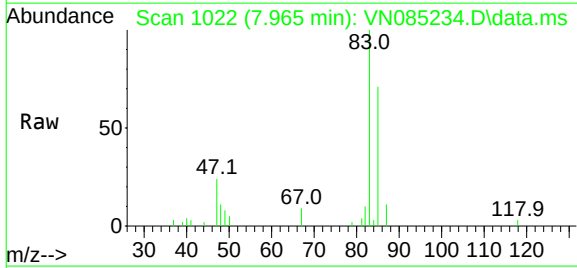
Ion Ratio Lower Upper

83 100

85 70.9 52.6 78.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

#31

Cyclohexane

Concen: 7.141 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085234.D

Acq: 17 Dec 2024 19:10

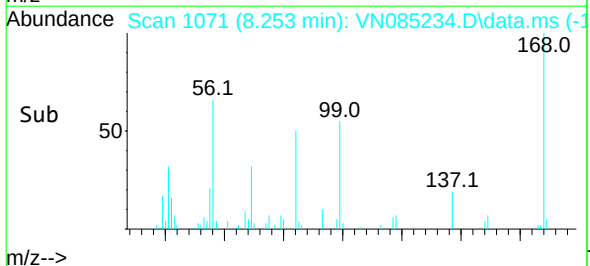
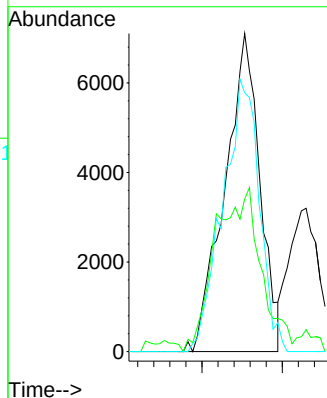
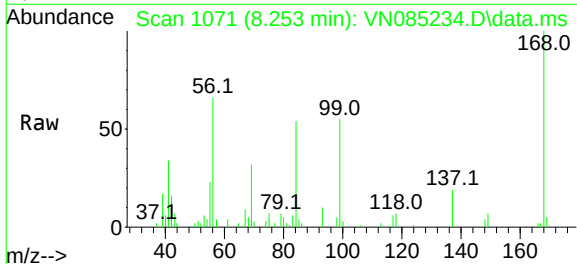
Tgt Ion: 56 Resp: 21547

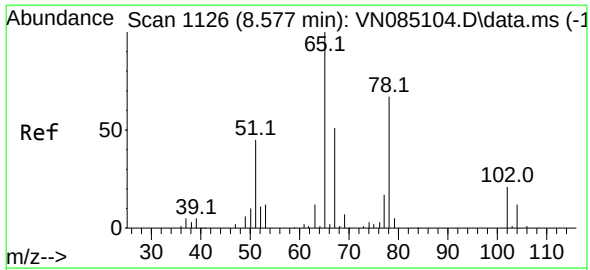
Ion Ratio Lower Upper

56 100

69 45.7 24.6 36.8#

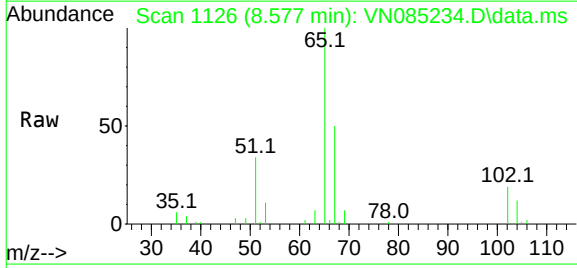
84 81.3 71.4 107.2





#33
1,2-Dichloroethane-d4
Concen: 46.684 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085234.D
Acq: 17 Dec 2024 19:10

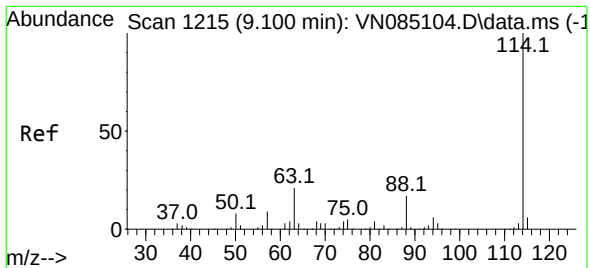
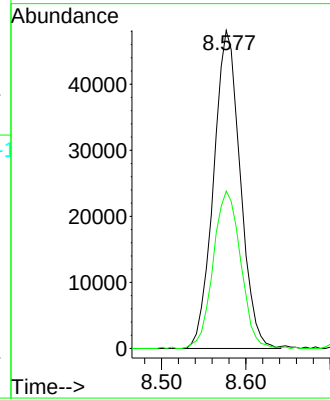
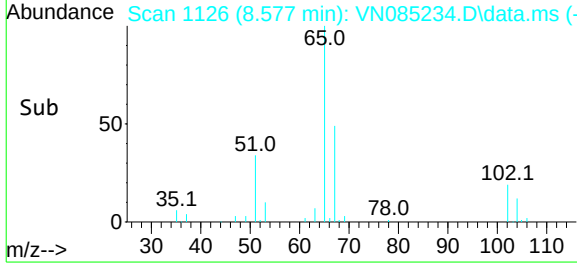
Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213



Tgt Ion: 65 Resp: 105753
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.0

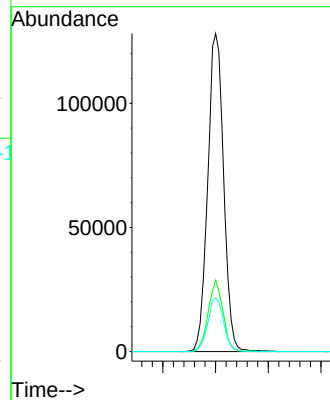
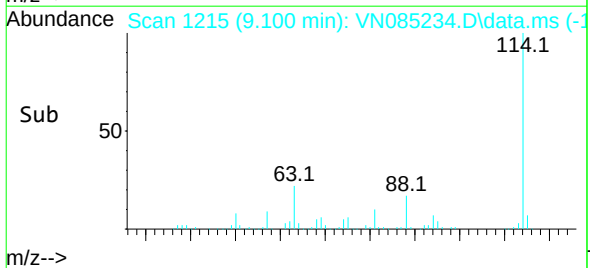
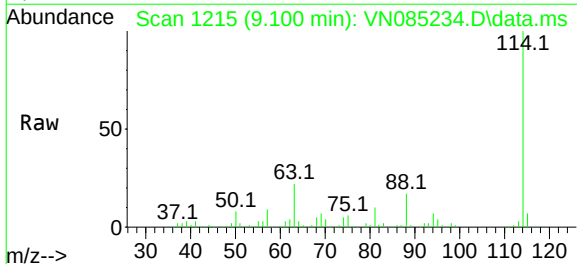
Manual Integrations
APPROVED

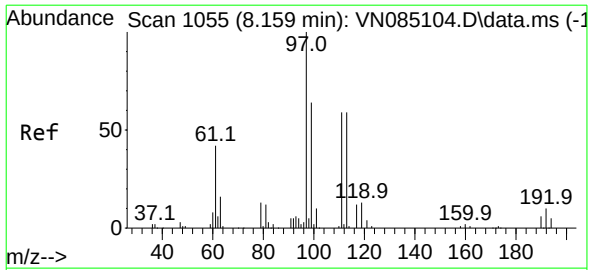
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085234.D
Acq: 17 Dec 2024 19:10

Tgt Ion:114 Resp: 268182
Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.0
88 16.8 0.0 34.8





#35

Dibromofluoromethane

Concen: 47.123 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085234.D

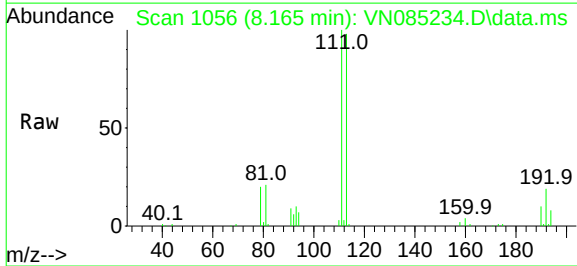
Acq: 17 Dec 2024 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213



Tgt Ion: 113 Resp: 85223

Ion Ratio Lower Upper

113 100

111 103.5 82.0 123.0

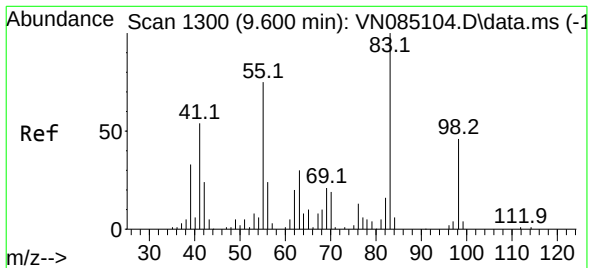
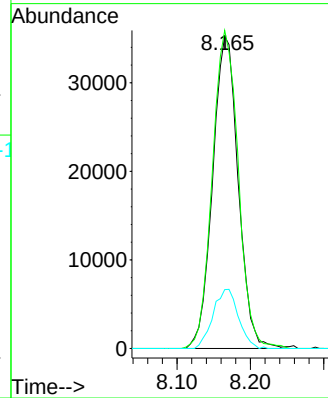
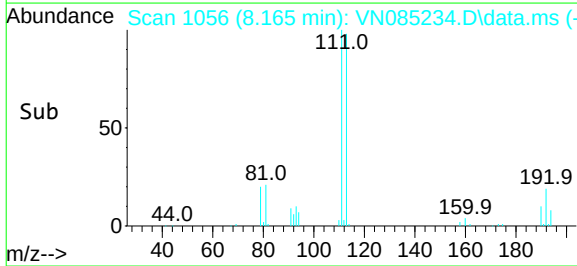
192 18.8 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#39

Methylcyclohexane

Concen: 9.183 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.006 min

Lab File: VN085234.D

Acq: 17 Dec 2024 19:10

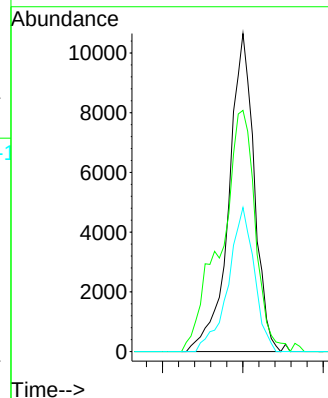
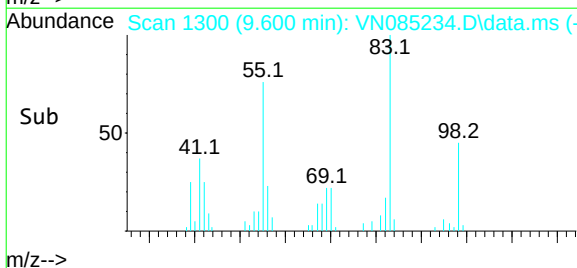
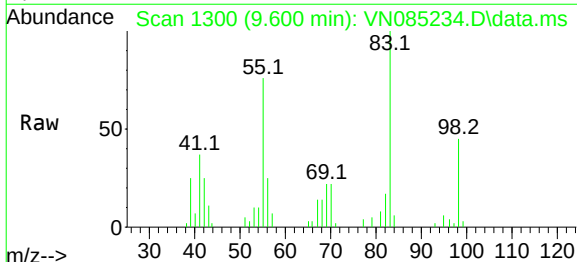
Tgt Ion: 83 Resp: 23376

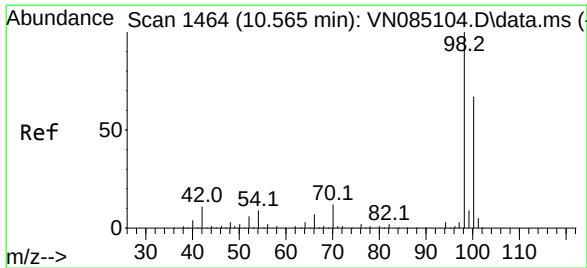
Ion Ratio Lower Upper

83 100

55 75.8 61.8 92.6

98 45.3 37.0 55.6





#50

Toluene-d8

Concen: 49.754 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085234.D

Acq: 17 Dec 2024 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213

Tgt Ion: 98 Resp: 322471

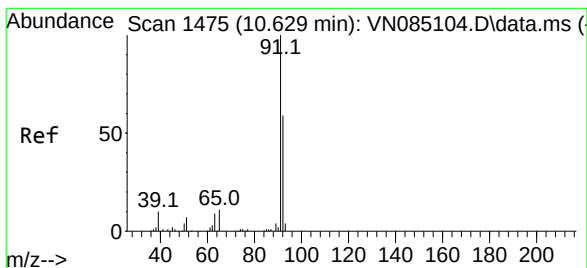
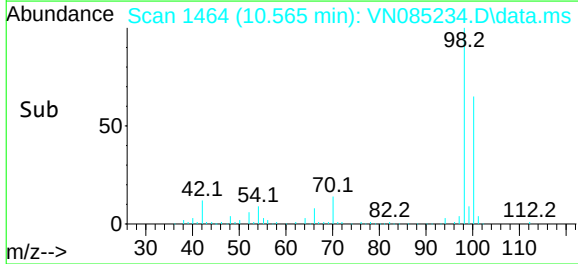
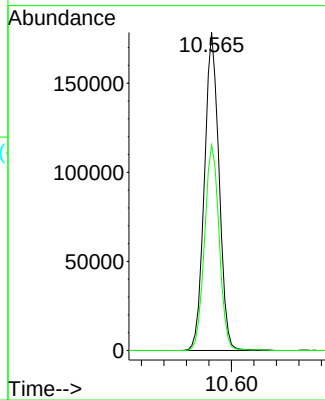
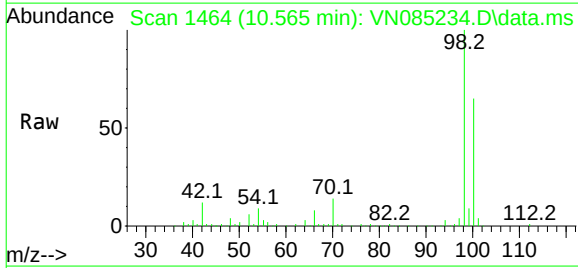
Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

#52

Toluene

Concen: 134.805 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085234.D

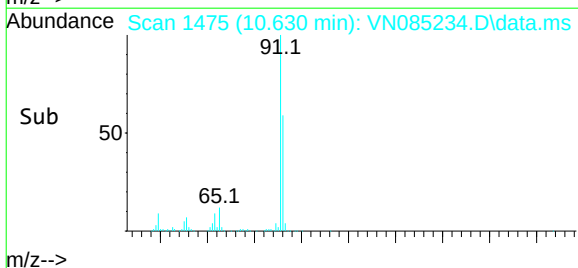
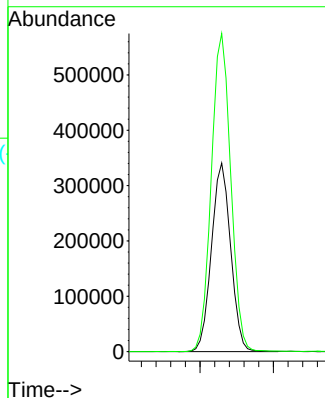
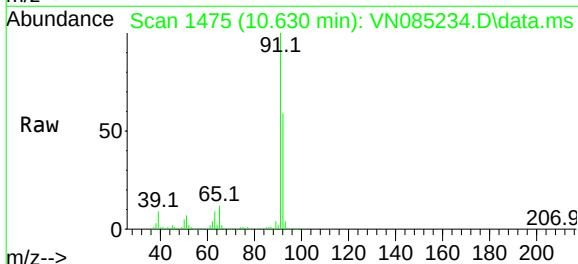
Acq: 17 Dec 2024 19:10

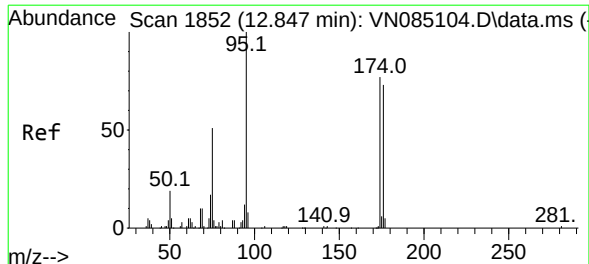
Tgt Ion: 92 Resp: 618303

Ion Ratio Lower Upper

92 100

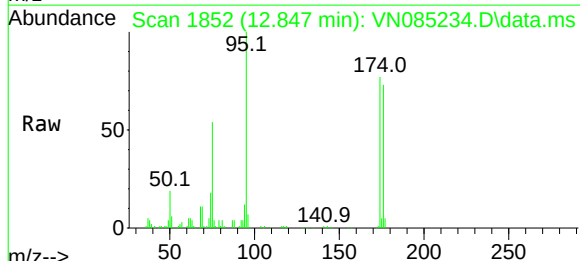
91 171.1 136.7 205.1





#62
4-Bromofluorobenzene
Concen: 52.250 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085234.D
Acq: 17 Dec 2024 19:10

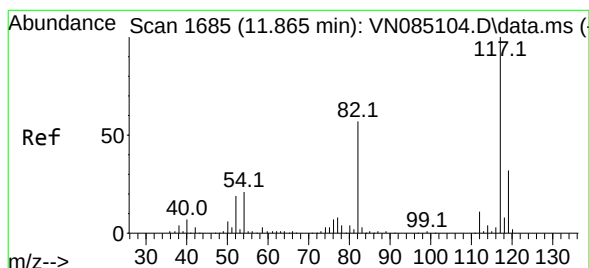
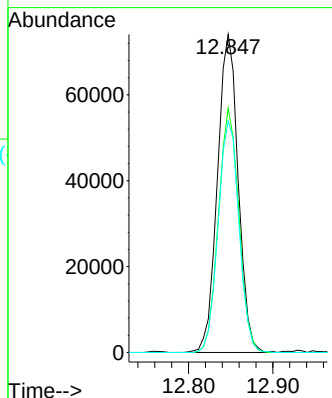
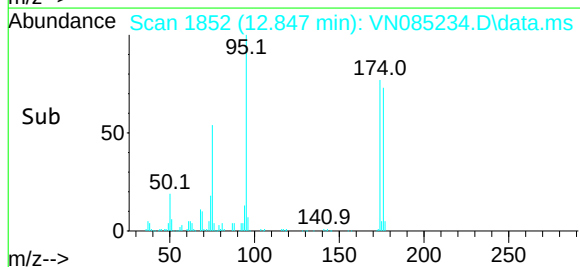
Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213



Tgt Ion: 95 Resp: 126644
Ion Ratio Lower Upper
95 100
174 75.6 0.0 146.6
176 72.9 0.0 141.8

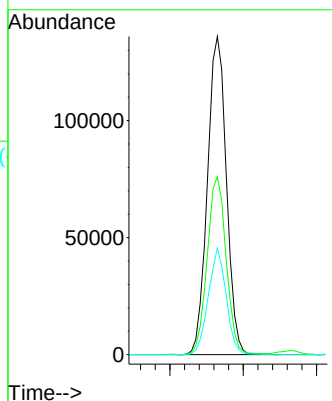
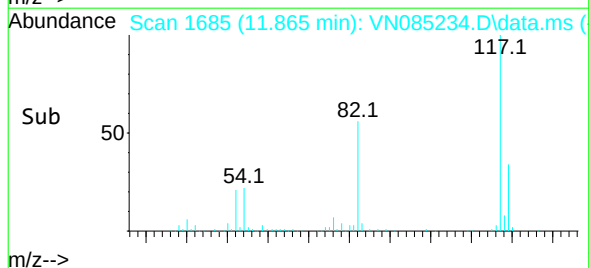
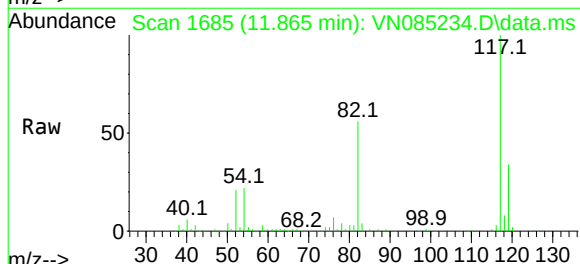
Manual Integrations
APPROVED

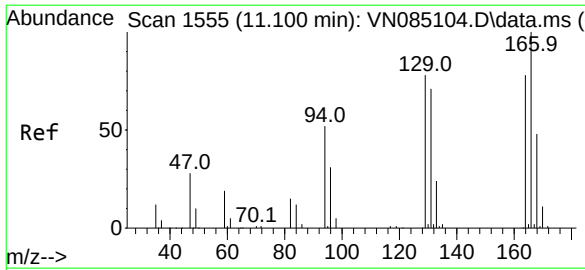
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085234.D
Acq: 17 Dec 2024 19:10

Tgt Ion:117 Resp: 244638
Ion Ratio Lower Upper
117 100
82 56.0 46.0 69.0
119 33.6 25.6 38.4





#64

Tetrachloroethene

Concen: 0.532 ug/l

RT: 11.106 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN085234.D

Acq: 17 Dec 2024 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213

Tgt Ion:164 Resp: 877

Ion Ratio Lower Upper

164 100

166 115.7 100.6 151.0

129 89.3 77.7 116.5

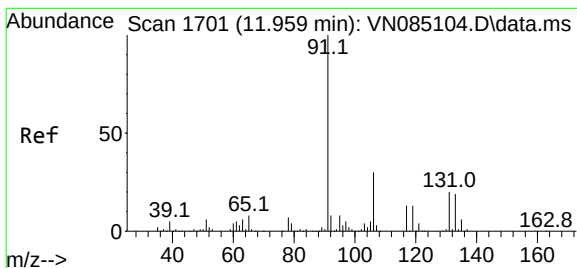
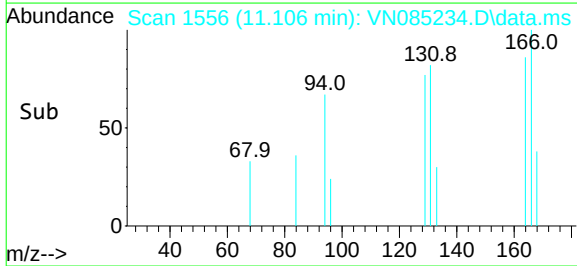
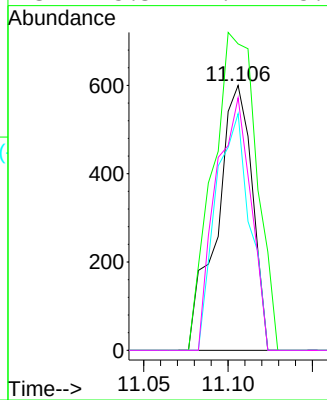
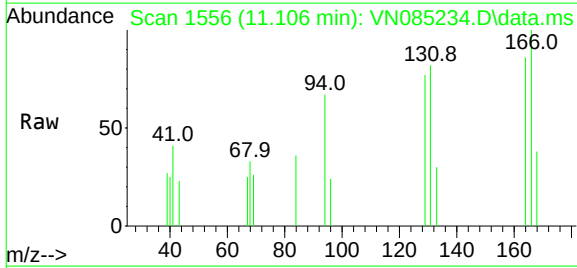
131 95.3 77.2 115.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#67

Ethyl Benzene

Concen: 565.477 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN085234.D

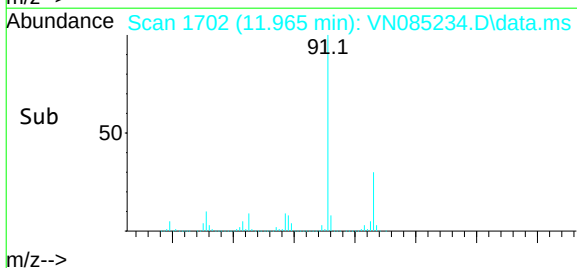
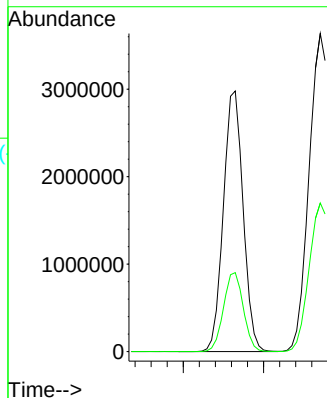
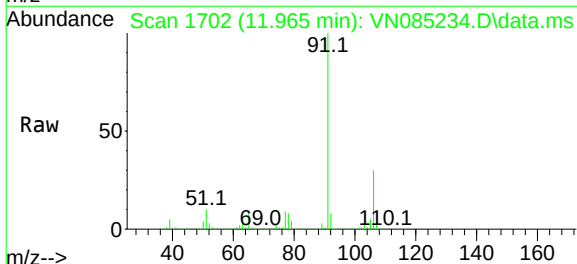
Acq: 17 Dec 2024 19:10

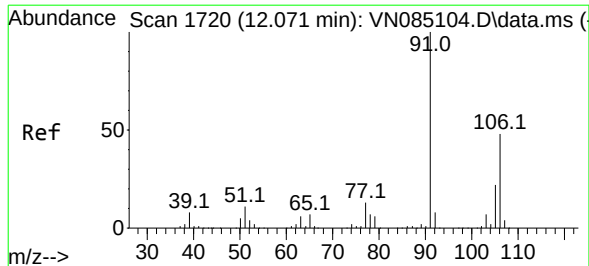
Tgt Ion: 91 Resp: 5089929

Ion Ratio Lower Upper

91 100

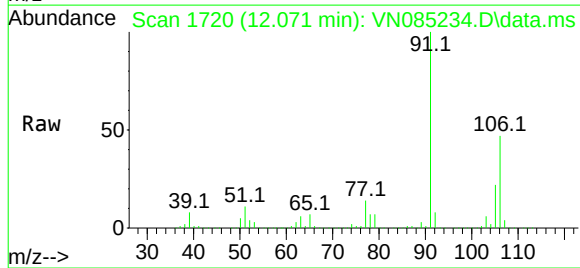
106 30.3 24.7 37.1





#68
m/p-Xylenes
Concen: 972.790 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085234.D
Acq: 17 Dec 2024 19:10

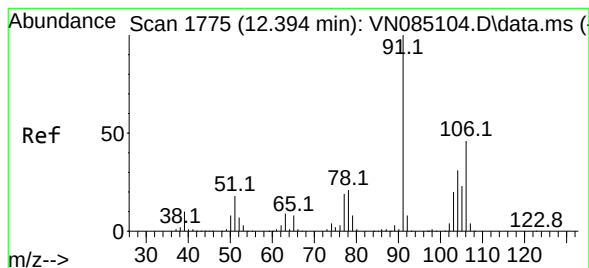
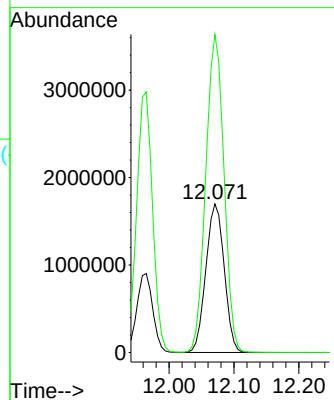
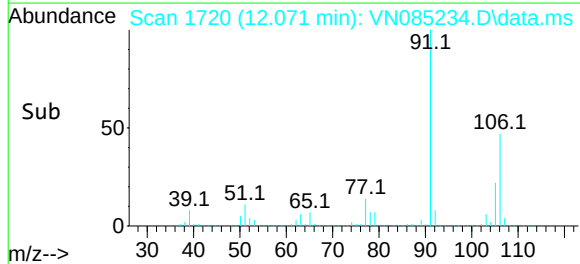
Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213



Tgt Ion:106 Resp: 3333649
Ion Ratio Lower Upper
106 100
91 212.3 168.0 252.0

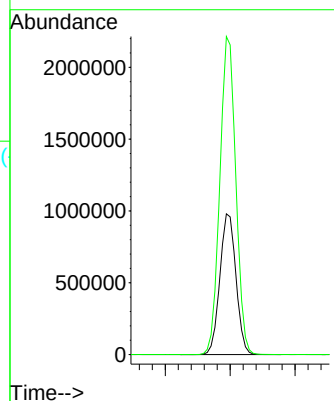
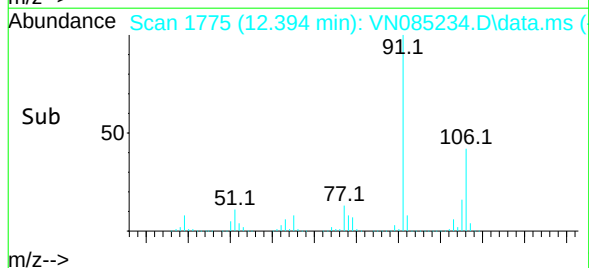
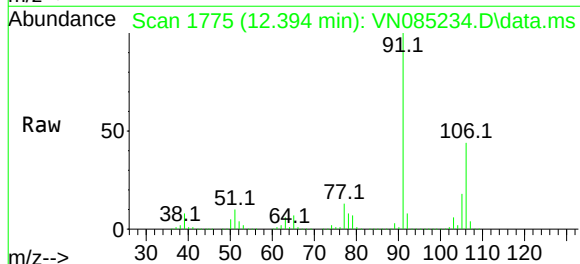
Manual Integrations
APPROVED

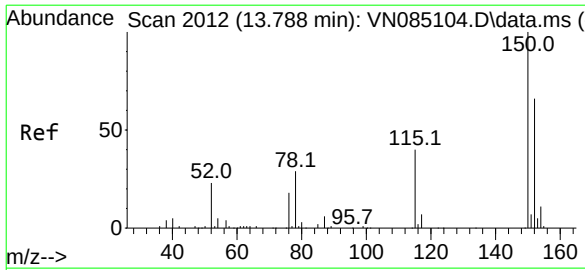
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#69
o-Xylene
Concen: 517.914 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085234.D
Acq: 17 Dec 2024 19:10

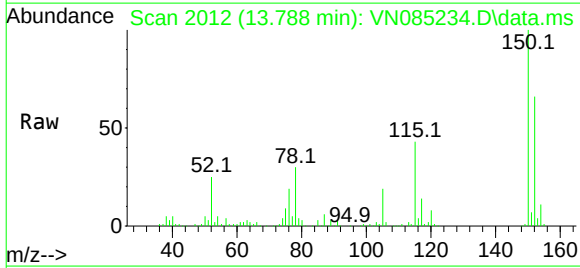
Tgt Ion:106 Resp: 1688297
Ion Ratio Lower Upper
106 100
91 224.2 110.7 331.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085234.D
Acq: 17 Dec 2024 19:10

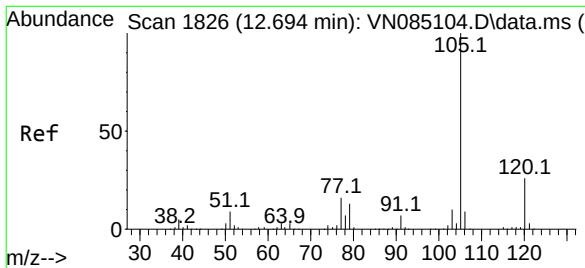
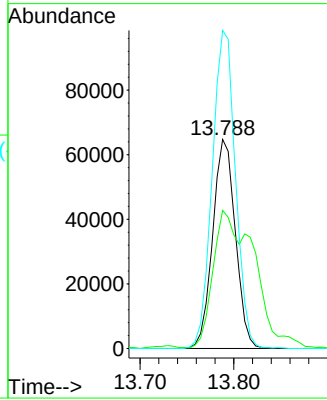
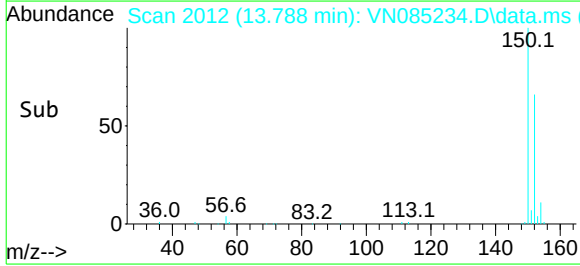
Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213



Tgt Ion:152 Resp: 108555
Ion Ratio Lower Upper
152 100
115 71.0 31.7 95.1
150 156.0 0.0 351.4

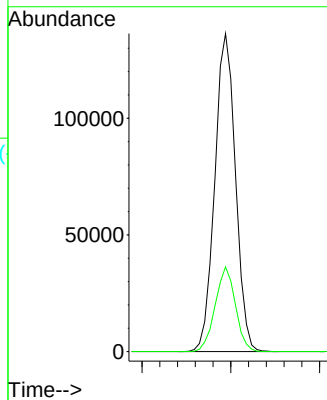
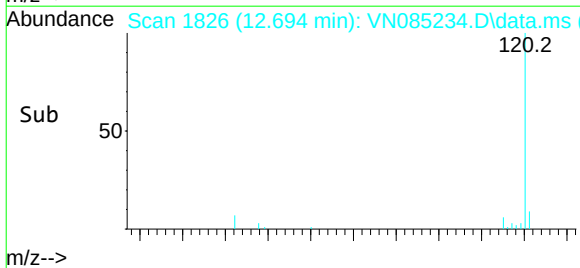
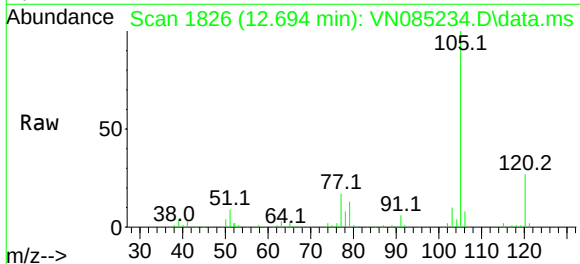
Manual Integrations
APPROVED

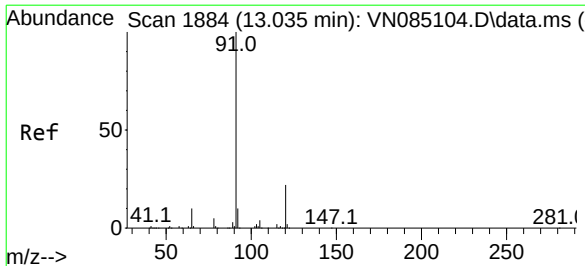
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#73
Isopropylbenzene
Concen: 28.811 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085234.D
Acq: 17 Dec 2024 19:10

Tgt Ion:105 Resp: 220637
Ion Ratio Lower Upper
105 100
120 26.0 13.0 39.0





#78

n-propylbenzene

Concen: 61.796 ug/l

RT: 13.035 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085234.D

Acq: 17 Dec 2024 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213

Tgt Ion: 91 Resp: 545842

Ion Ratio Lower Upper

91 100

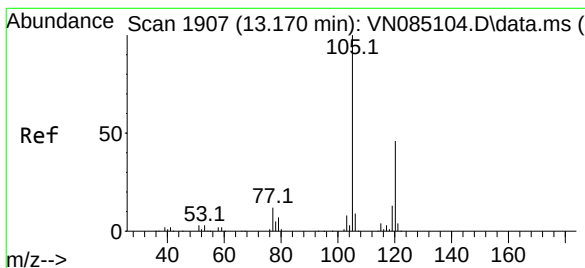
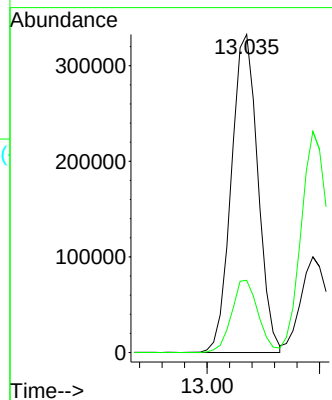
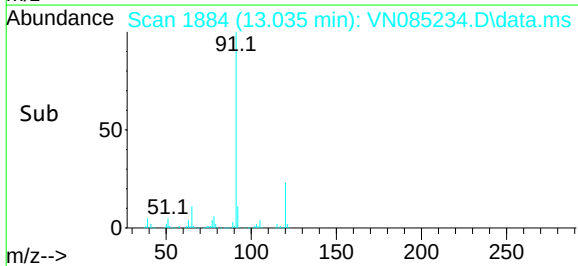
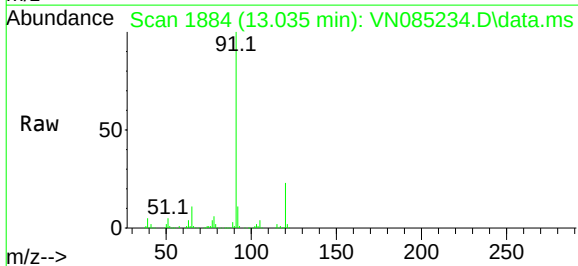
120 22.8 11.3 33.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#80

1,3,5-Trimethylbenzene

Concen: 122.666 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085234.D

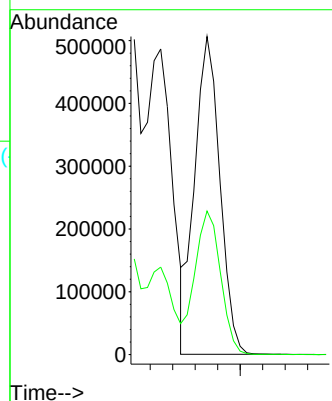
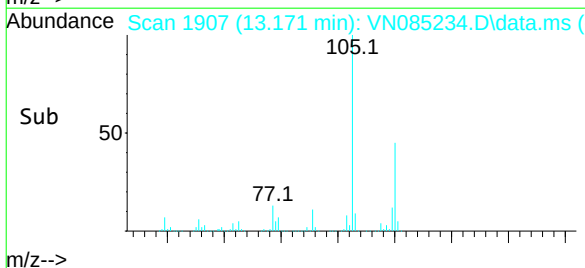
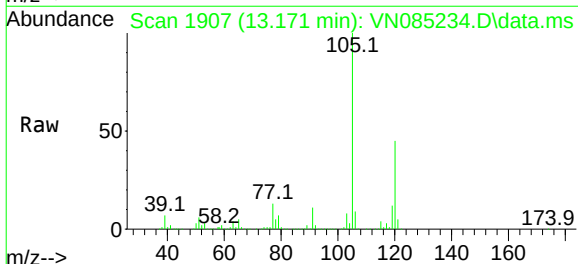
Acq: 17 Dec 2024 19:10

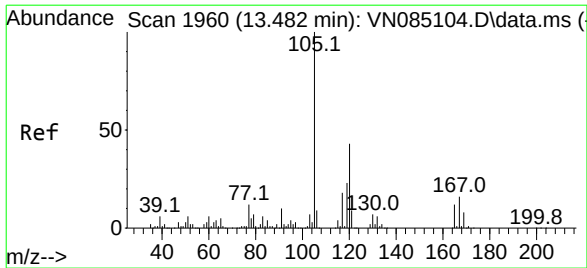
Tgt Ion:105 Resp: 788278

Ion Ratio Lower Upper

105 100

120 46.1 23.6 71.0





#84

1,2,4-Trimethylbenzene

Concen: 776.646 ug/l

RT: 13.482 min Scan# 19

Delta R.T. 0.006 min

Lab File: VN085234.D

Acq: 17 Dec 2024 19:10

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213

Tgt Ion:105 Resp: 5137382

Ion Ratio Lower Upper

105 100

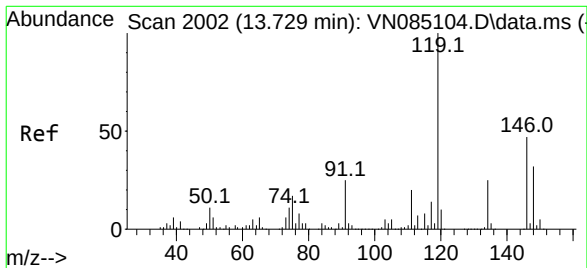
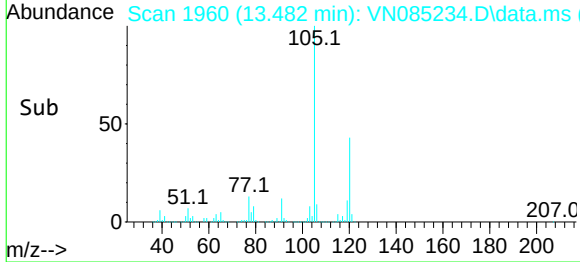
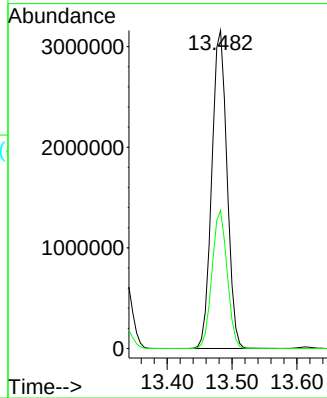
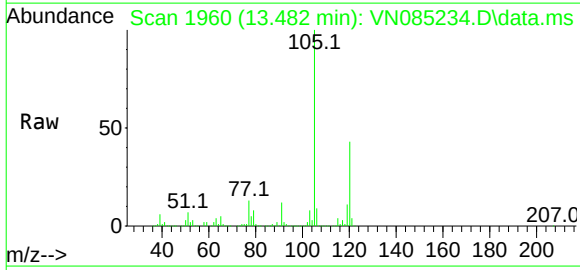
120 43.2 21.8 65.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#86

p-Isopropyltoluene

Concen: 2.367 ug/l m

RT: 13.729 min Scan# 2002

Delta R.T. 0.006 min

Lab File: VN085234.D

Acq: 17 Dec 2024 19:10

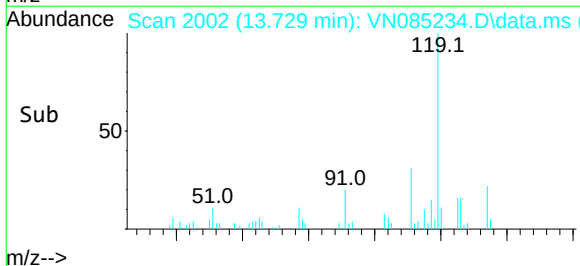
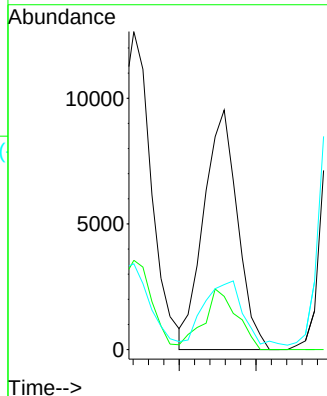
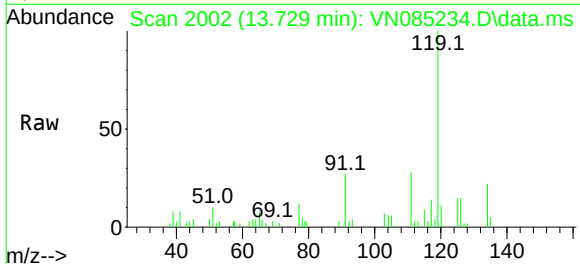
Tgt Ion:119 Resp: 14594

Ion Ratio Lower Upper

119 100

134 38.7 13.0 39.0

91 0.0 12.8 38.4#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085234.D
 Acq On : 17 Dec 2024 19:10
 Operator : JC\MD
 Sample : P5291-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW3-20241213

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Title : SW846 8260

Signal : TIC: VN085234.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV2	118573	273577	1.36%	0.274%
2	8.224	1060	1066	1077	rVB	229481	566687	2.82%	0.567%
3	8.577	1117	1126	1138	rBV	127129	288488	1.43%	0.289%
4	8.741	1141	1154	1169	rBV10	47662	211625	1.05%	0.212%
5	9.100	1205	1215	1229	rBV	347927	766929	3.81%	0.768%
6	10.565	1456	1464	1469	rBV	487698	893766	4.44%	0.895%
7	10.630	1469	1475	1484	rVB	1381178	2515145	12.50%	2.518%
8	11.865	1677	1685	1692	rBV	427561	763469	3.79%	0.764%
9	11.965	1693	1702	1711	rVV	6789180	11616201	57.72%	11.632%
10	12.071	1711	1720	1737	rVB	10345846	20124671	100.00%	20.151%
11	12.394	1763	1775	1785	rBV	6114442	10505474	52.20%	10.519%
12	12.694	1817	1826	1833	rBV	334484	540481	2.69%	0.541%
13	12.847	1845	1852	1861	rVB	362475	621880	3.09%	0.623%
14	13.035	1877	1884	1889	rBV	676832	1125908	5.59%	1.127%
15	13.094	1889	1894	1897	rVV	1941668	3178809	15.80%	3.183%
16	13.129	1897	1900	1903	rVV	1189746	1809711	8.99%	1.812%
17	13.171	1903	1907	1915	rVB	1416475	2221846	11.04%	2.225%
18	13.335	1927	1935	1945	rVB	1935799	3187906	15.84%	3.192%
19	13.482	1945	1960	1967	rBV	8859211	14415495	71.63%	14.435%
20	13.818	2006	2017	2033	rVB	2386803	4580327	22.76%	4.586%
21	13.947	2033	2039	2041	rBV	249911	367852	1.83%	0.368%
22	13.994	2041	2047	2062	rVB	2638803	5225910	25.97%	5.233%
23	14.176	2072	2078	2084	rBV2	480948	823917	4.09%	0.825%
24	14.241	2084	2089	2092	rVV	437496	753423	3.74%	0.754%
25	14.270	2092	2094	2099	rVV	393761	507797	2.52%	0.508%
26	14.329	2099	2104	2110	rVB	584541	898055	4.46%	0.899%
27	14.394	2110	2115	2118	rBV2	144141	228082	1.13%	0.228%
28	14.441	2118	2123	2131	rVB2	570112	1000872	4.97%	1.002%
29	14.570	2140	2145	2151	rVB2	148979	237974	1.18%	0.238%
30	14.653	2151	2159	2162	rBV	437929	751883	3.74%	0.753%
31	14.688	2162	2165	2170	rVB	569141	816105	4.06%	0.817%
32	14.923	2200	2205	2210	rBV	470713	775224	3.85%	0.776%
33	15.047	2217	2226	2232	rBV2	782008	1758247	8.74%	1.761%
34	15.117	2232	2238	2246	rVB2	129716	268321	1.33%	0.269%
35	15.206	2246	2253	2261	rBV3	184217	358673	1.78%	0.359%
36	15.317	2261	2272	2277	rBV4	190536	507688	2.52%	0.508%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

37	15.441	2284	2293	2300	rVB3	144482	363768	1.81%	0.364%
38	15.635	2311	2326	2337	rBV	1778901	3509449	17.44%	3.514%
39	15.741	2337	2344	2350	rVV	137161	288025	1.43%	0.288%
40	16.776	2513	2520	2522	rBV2	128491	218555	1.09%	0.219%

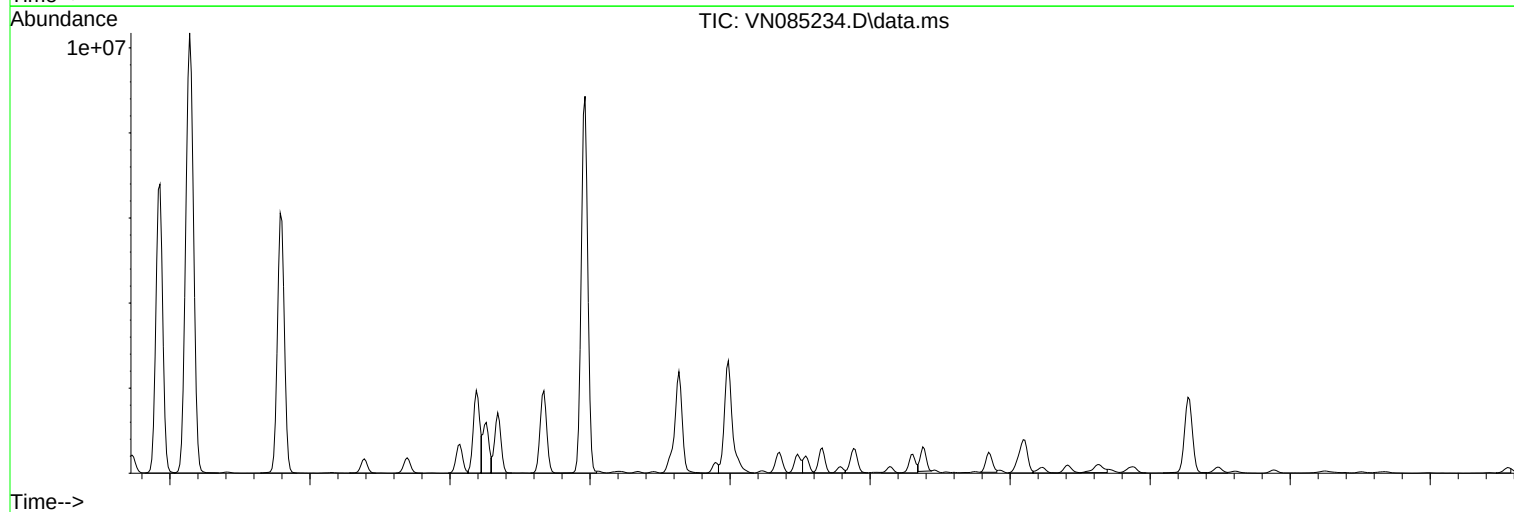
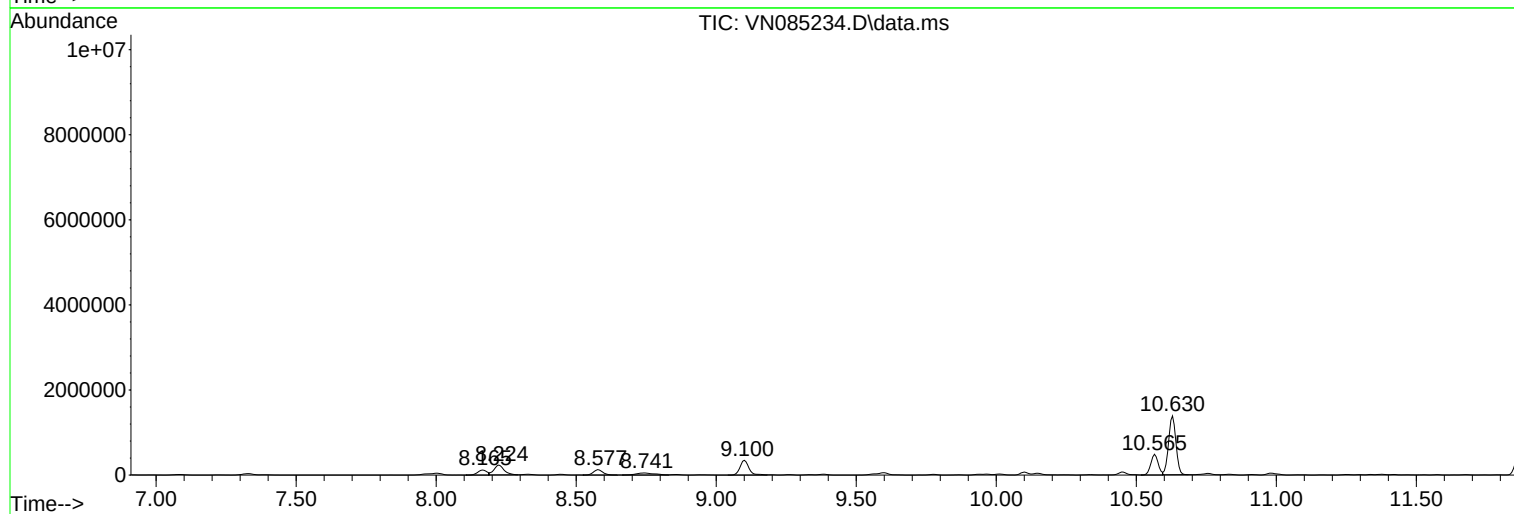
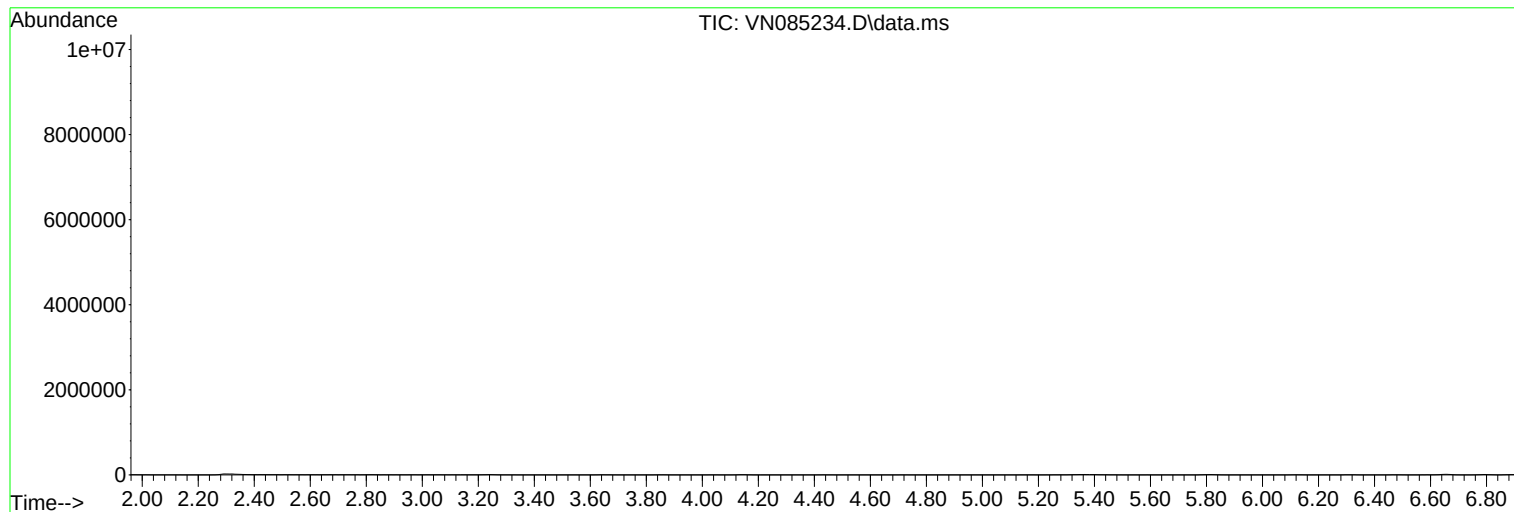
Sum of corrected areas: 99868215

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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



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Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

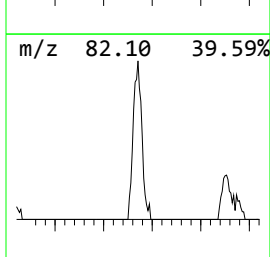
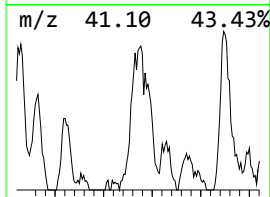
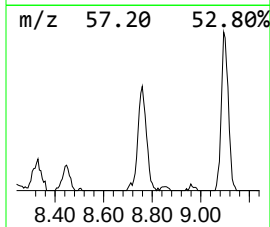
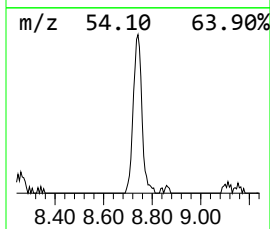
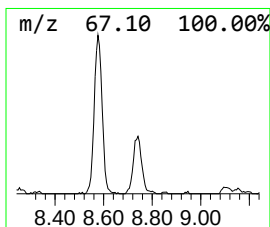
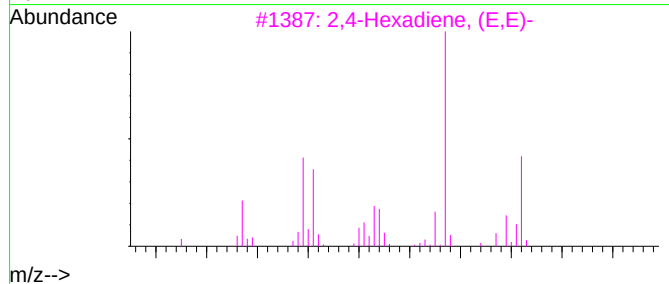
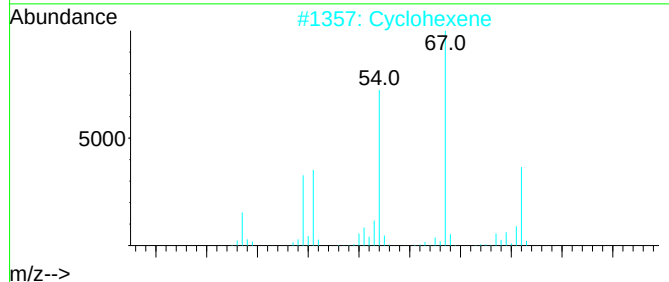
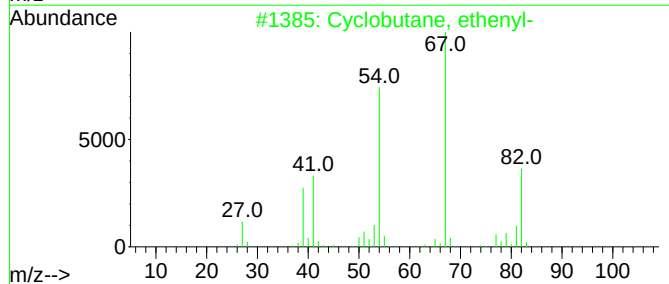
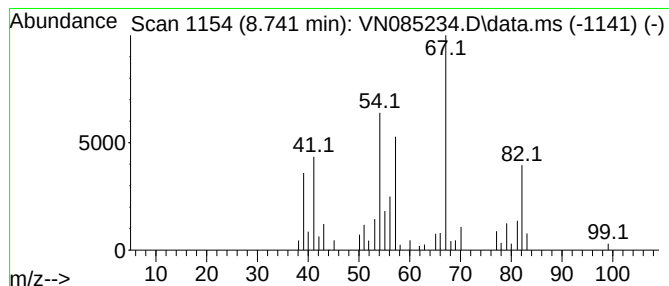
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TIC Integration Parameters: LSCINT.P

Peak Number 1 Cyclobutane, ethenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.741	13.80 ug/l	211625	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	68
2	Cyclohexene	82	C6H10	000110-83-8	64
3	2,4-Hexadiene, (E,E)-	82	C6H10	005194-51-4	60
4	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	60
5	1,3-Pentadiene, 2-methyl-	82	C6H10	001118-58-7	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

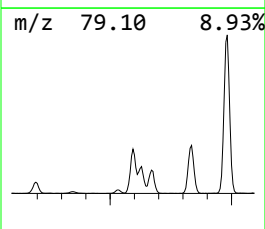
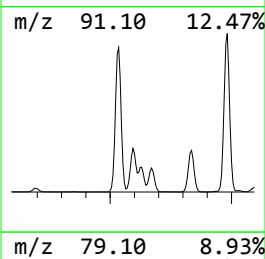
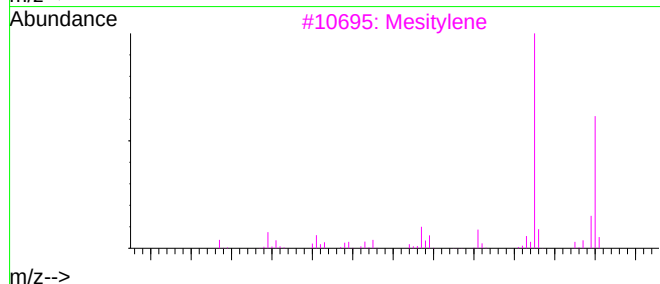
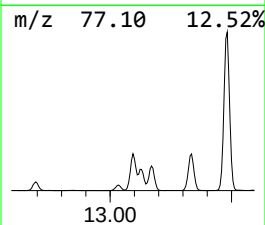
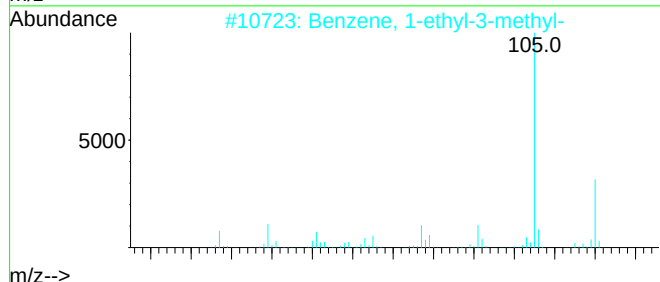
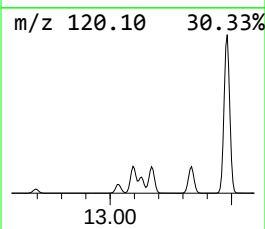
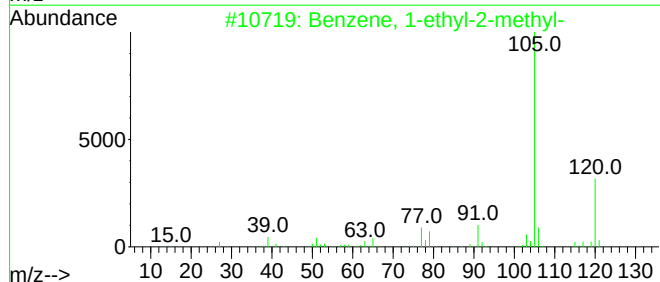
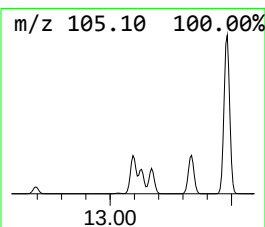
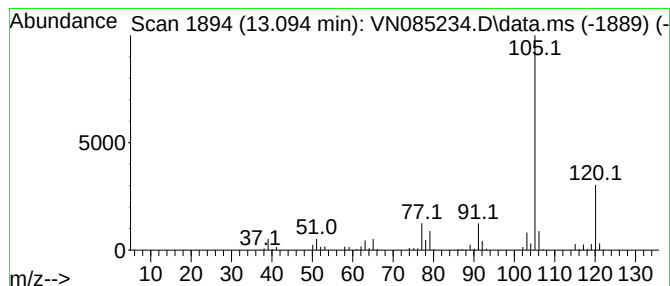
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.094	34.70 ug/l	3178810	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

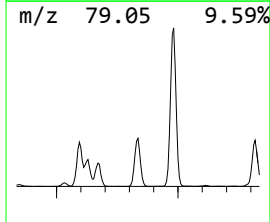
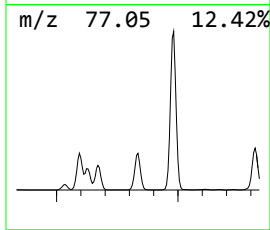
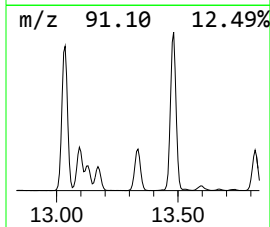
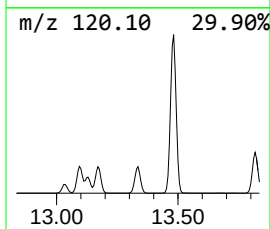
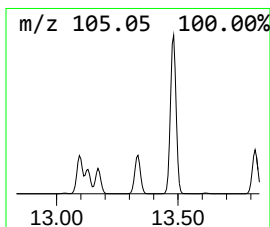
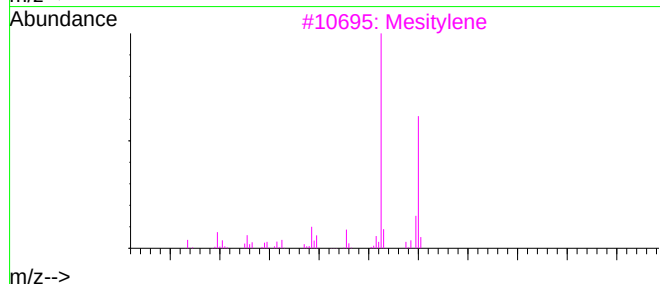
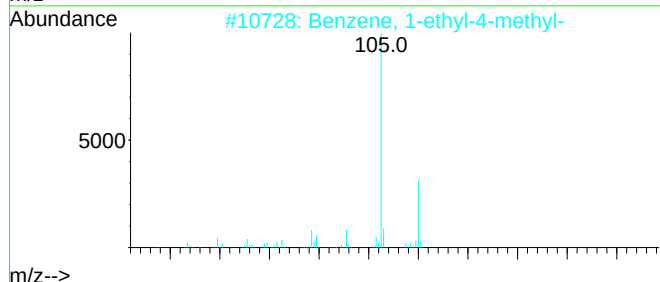
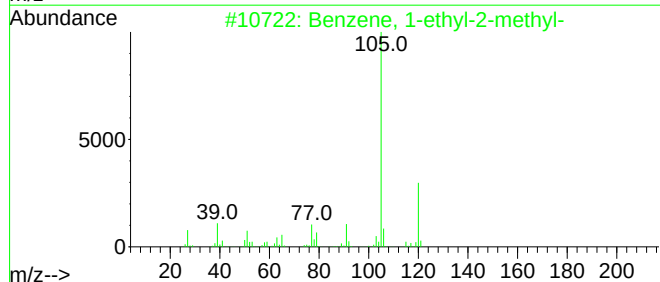
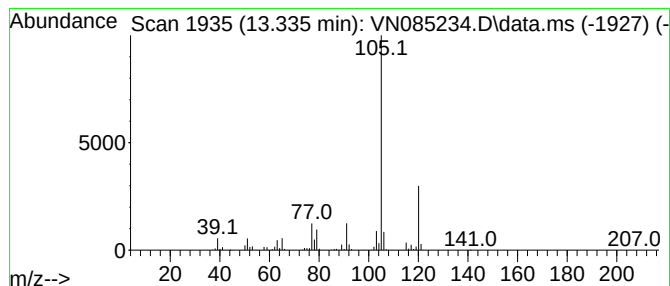
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Quant Title : SW846 8260

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

Peak Number 3 Benzene, 1-ethyl-4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.335	34.80 ug/l	3187910	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

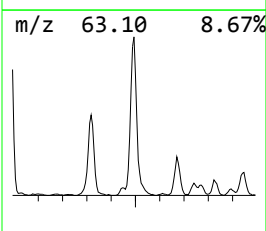
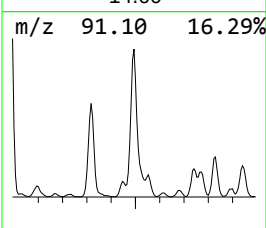
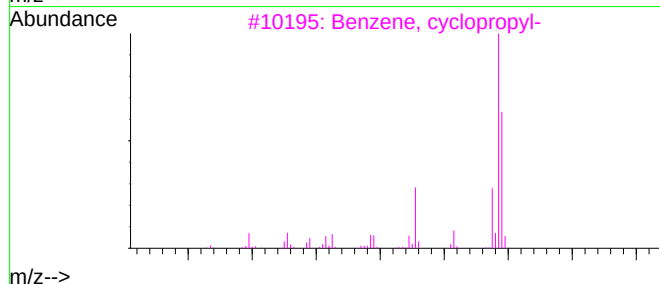
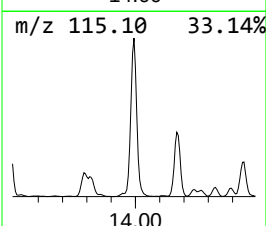
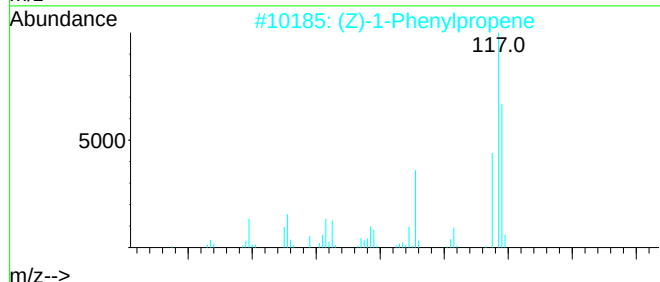
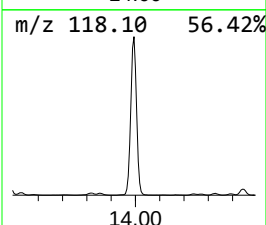
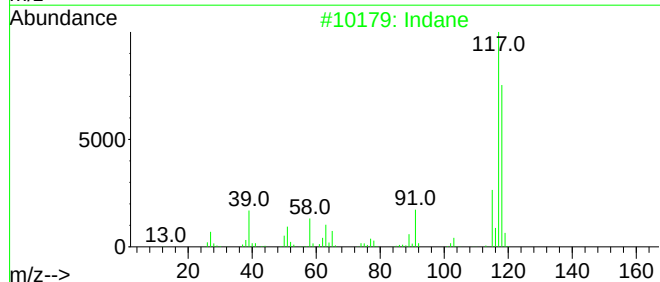
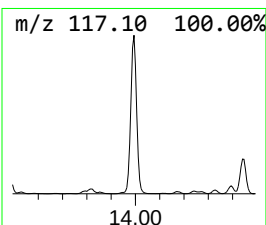
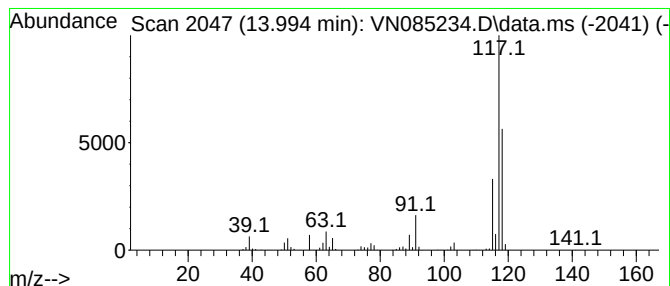
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Quant Title : SW846 8260

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

Peak Number 4 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	57.05 ug/l	5225910	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	72
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	59
4	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	59
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

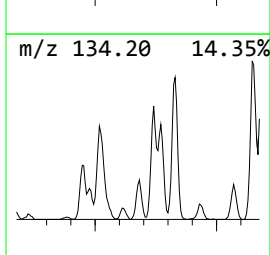
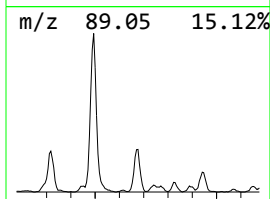
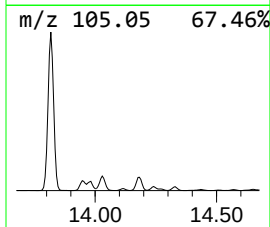
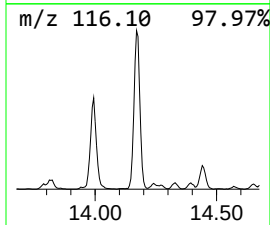
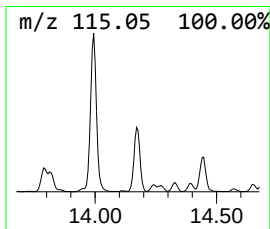
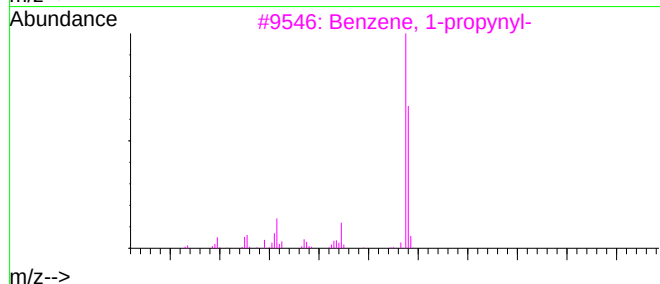
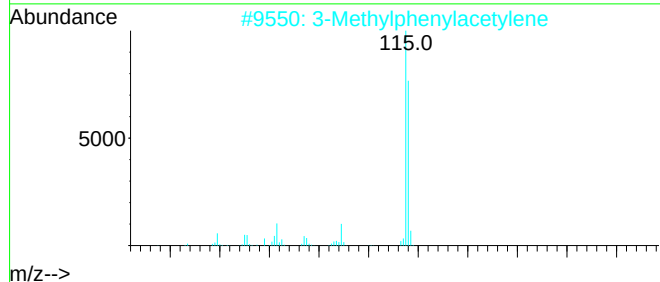
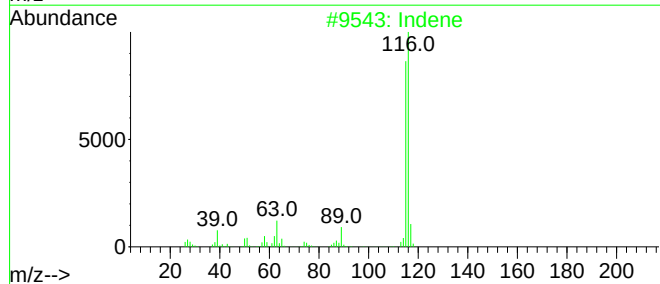
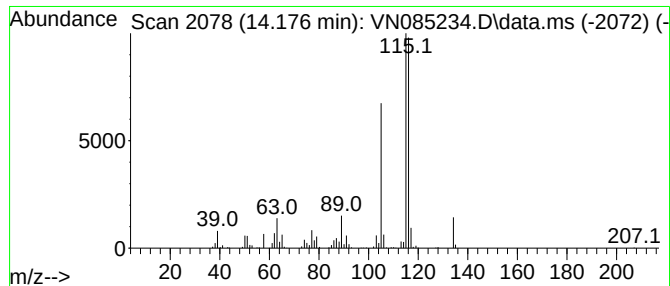
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Quant Title : SW846 8260

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

Peak Number 5 3-Methylphenylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	8.99 ug/l	823917	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	91
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	87
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	83
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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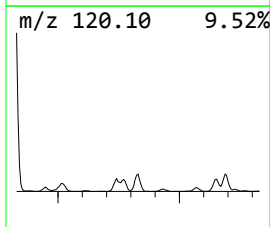
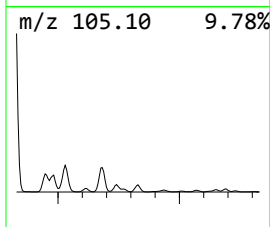
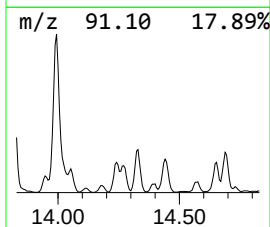
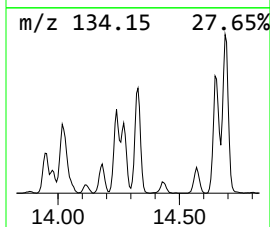
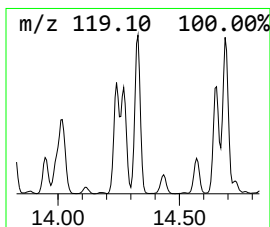
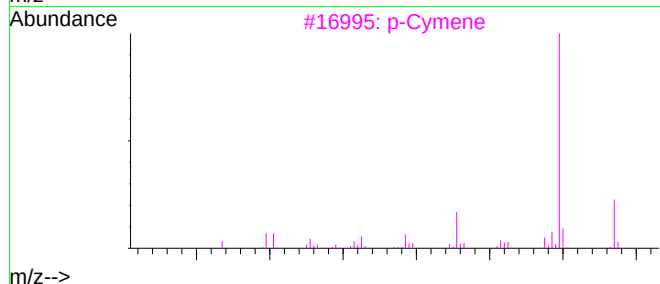
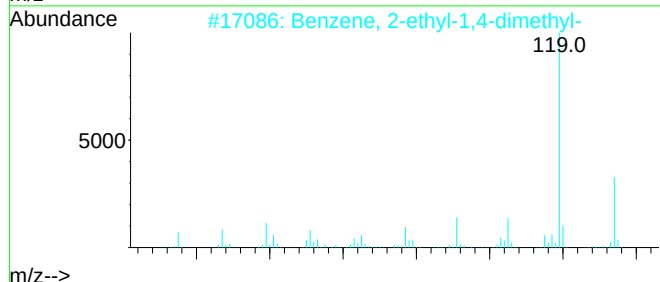
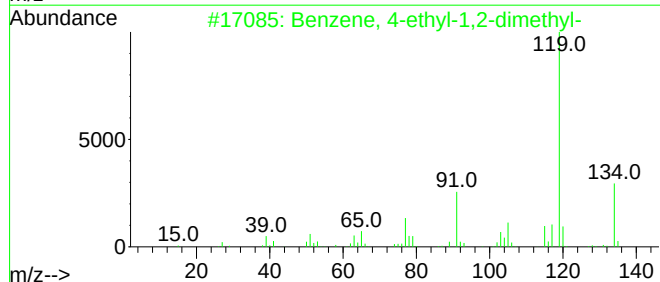
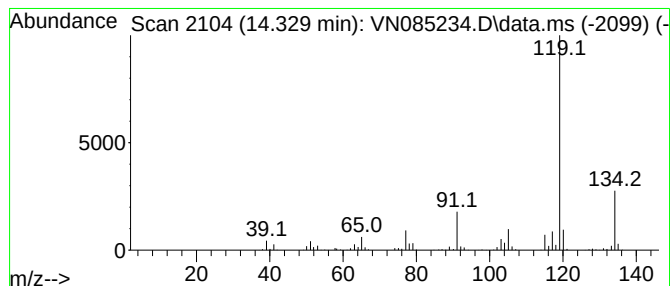
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.329	9.80 ug/l	898055	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

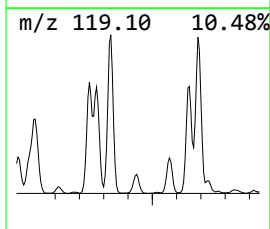
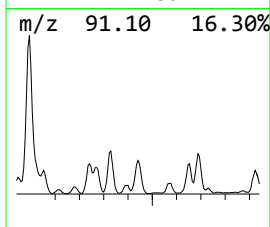
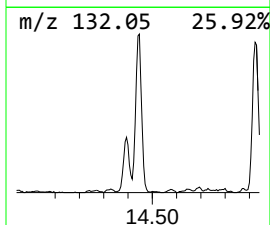
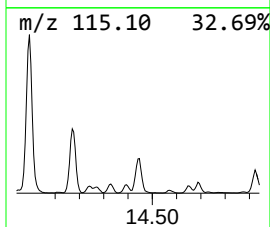
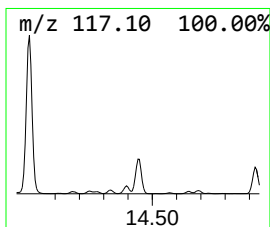
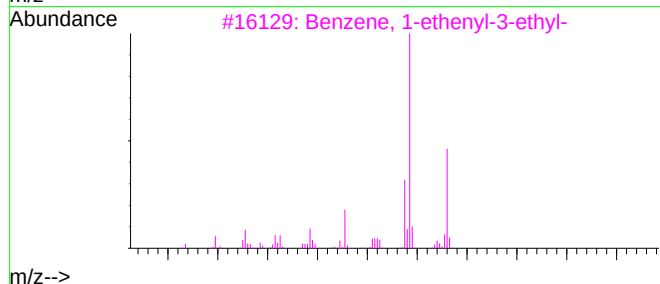
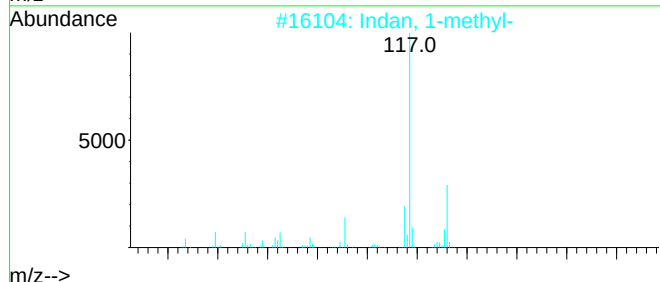
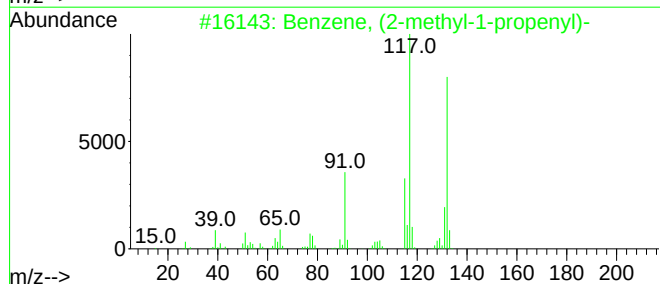
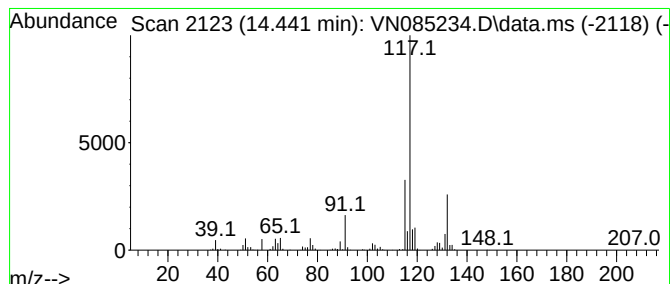
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, (2-methyl-1-propen... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.441	10.93 ug/l	1000870	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	80
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

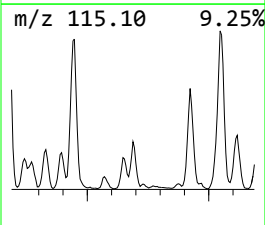
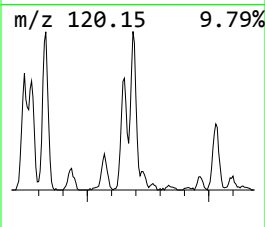
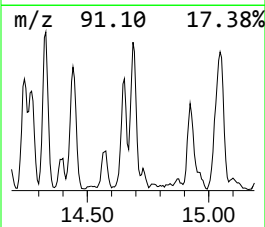
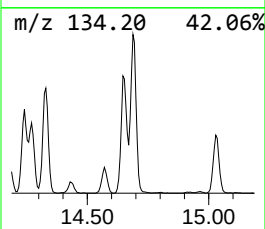
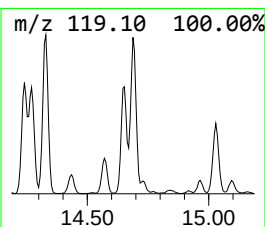
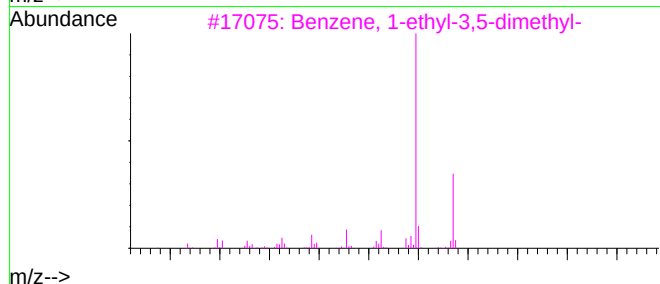
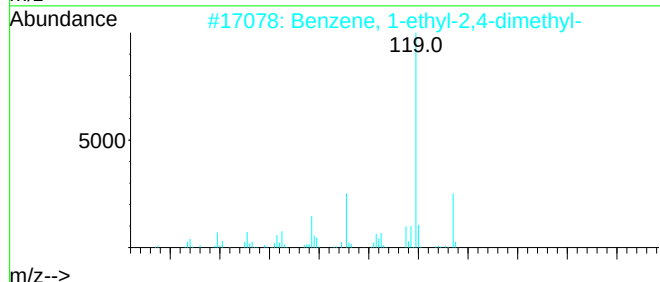
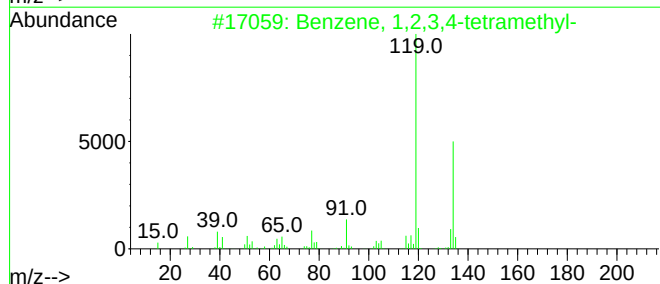
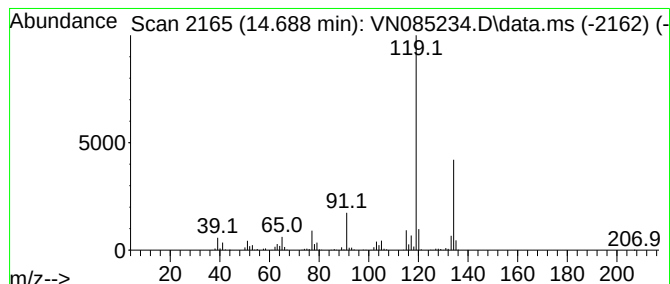
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	8.91 ug/l	816105	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	o-Cymene	134	C10H14	000527-84-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

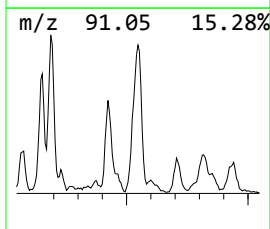
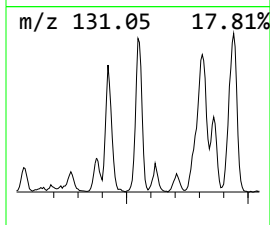
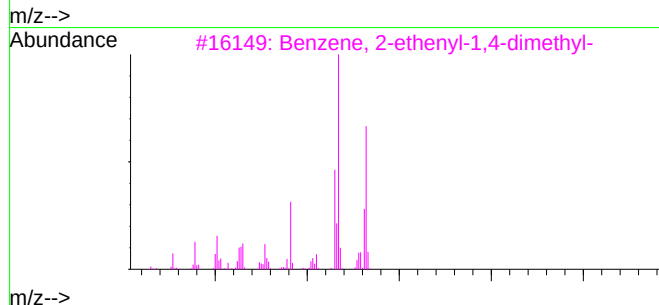
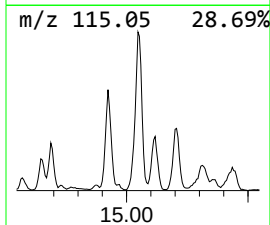
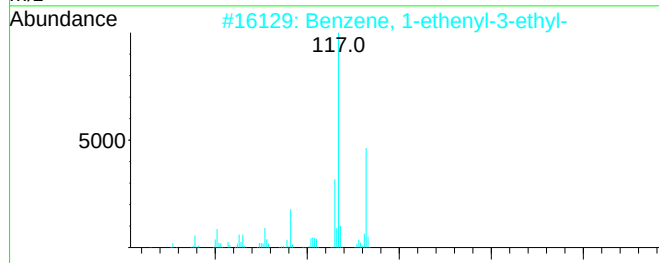
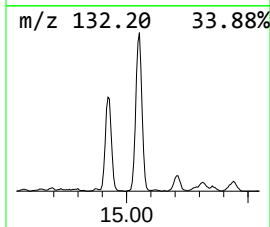
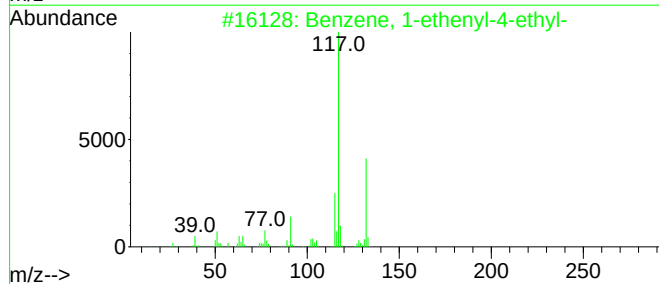
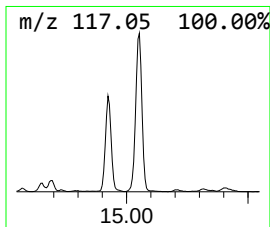
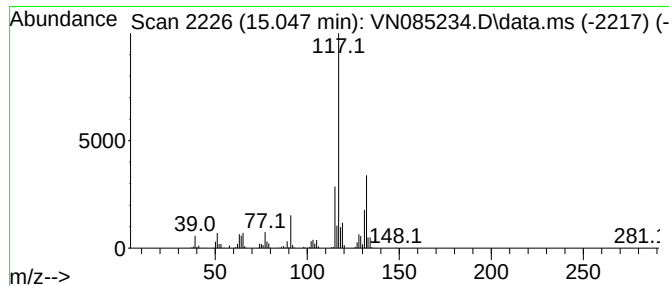
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.047	19.19 ug/l	1758250	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
4	Indan, 1-methyl-	132	C10H12	000767-58-8	90
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085234.D
Acq On : 17 Dec 2024 19:10
Operator : JC\MD
Sample : P5291-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Cyclobutane, et...	8.741	13.8	ug/l	211625	2	9.100	766929	50.0
Benzene, 1-ethy...	13.094	34.7	ug/l	3178810	4	13.788	4580330	50.0
Benzene, 1-ethy...	13.335	34.8	ug/l	3187910	4	13.788	4580330	50.0
Indane	13.994	57.0	ug/l	5225910	4	13.788	4580330	50.0
3-Methylphenyla...	14.176	9.0	ug/l	823917	4	13.788	4580330	50.0
Benzene, 4-ethy...	14.329	9.8	ug/l	898055	4	13.788	4580330	50.0
Benzene, (2-met...	14.441	10.9	ug/l	1000870	4	13.788	4580330	50.0
Benzene, 1,2,3,...	14.688	8.9	ug/l	816105	4	13.788	4580330	50.0
Benzene, 1-ethe...	15.047	19.2	ug/l	1758250	4	13.788	4580330	50.0

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW3-20241213DL			SDG No.:	P5291
Lab Sample ID:	P5291-06DL			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085260.D	20		12/18/24 19:09	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	4.20	UD	4.20	20.0	ug/L
74-87-3	Chloromethane	7.00	UD	7.00	20.0	ug/L
75-01-4	Vinyl Chloride	6.80	UD	6.80	20.0	ug/L
74-83-9	Bromomethane	27.2	UD	27.2	100	ug/L
75-00-3	Chloroethane	11.2	UD	11.2	20.0	ug/L
75-69-4	Trichlorofluoromethane	6.80	UD	6.80	20.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	5.00	20.0	ug/L
75-35-4	1,1-Dichloroethene	5.20	UD	5.20	20.0	ug/L
67-64-1	Acetone	27.8	UD	27.8	100	ug/L
75-15-0	Carbon Disulfide	6.40	UD	6.40	20.0	ug/L
1634-04-4	Methyl tert-butyl Ether	3.20	UD	3.20	20.0	ug/L
79-20-9	Methyl Acetate	12.0	UD	12.0	20.0	ug/L
75-09-2	Methylene Chloride	6.40	UD	6.40	20.0	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	UD	5.00	20.0	ug/L
75-34-3	1,1-Dichloroethane	4.60	UD	4.60	20.0	ug/L
110-82-7	Cyclohexane	32.4	UD	32.4	100	ug/L
78-93-3	2-Butanone	26.0	UD	26.0	100	ug/L
56-23-5	Carbon Tetrachloride	5.00	UD	5.00	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	UD	5.00	20.0	ug/L
74-97-5	Bromochloromethane	3.60	UD	3.60	20.0	ug/L
67-66-3	Chloroform	12.3	JD	5.20	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	3.80	UD	3.80	20.0	ug/L
108-87-2	Methylcyclohexane	9.30	JD	3.80	20.0	ug/L
71-43-2	Benzene	3.20	UD	3.20	20.0	ug/L
107-06-2	1,2-Dichloroethane	4.80	UD	4.80	20.0	ug/L
79-01-6	Trichloroethene	6.40	UD	6.40	20.0	ug/L
78-87-5	1,2-Dichloropropane	3.80	UD	3.80	20.0	ug/L
75-27-4	Bromodichloromethane	4.80	UD	4.80	20.0	ug/L
108-10-1	4-Methyl-2-Pentanone	15.0	UD	15.0	100	ug/L
108-88-3	Toluene	180	D	3.60	20.0	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW3-20241213DL	SDG No.:	P5291
Lab Sample ID:	P5291-06DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085260.D	20		12/18/24 19:09	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	4.20	UD	4.20	20.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	3.60	UD	3.60	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	4.20	UD	4.20	20.0	ug/L
591-78-6	2-Hexanone	22.6	UDQ	22.6	100	ug/L
124-48-1	Dibromochloromethane	3.60	UD	3.60	20.0	ug/L
106-93-4	1,2-Dibromoethane	3.20	UD	3.20	20.0	ug/L
127-18-4	Tetrachloroethene	5.00	UD	5.00	20.0	ug/L
108-90-7	Chlorobenzene	2.60	UD	2.60	20.0	ug/L
100-41-4	Ethyl Benzene	720	D	3.20	20.0	ug/L
179601-23-1	m/p-Xylenes	1300	D	6.20	40.0	ug/L
95-47-6	o-Xylene	720	D	2.80	20.0	ug/L
100-42-5	Styrene	3.20	UD	3.20	20.0	ug/L
75-25-2	Bromoform	4.20	UD	4.20	20.0	ug/L
98-82-8	Isopropylbenzene	32.3	D	2.60	20.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.40	UD	5.40	20.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.80	UD	4.80	20.0	ug/L
106-46-7	1,4-Dichlorobenzene	5.40	UD	5.40	20.0	ug/L
95-50-1	1,2-Dichlorobenzene	3.80	UD	3.80	20.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	9.20	UD	9.20	20.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	8.40	UD	8.40	20.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	10.2	UD	10.2	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	93800	8.224			
540-36-3	1,4-Difluorobenzene	173000	9.1			
3114-55-4	Chlorobenzene-d5	157000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	73400	13.794			

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24
Client Sample ID:	MW3-20241213DL		SDG No.:	P5291
Lab Sample ID:	P5291-06DL		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085260.D	20		12/18/24 19:09	VN121824

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085260.D
 Acq On : 18 Dec 2024 19:09
 Operator : JC\MD
 Sample : P5291-06DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW3-20241213DL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 08:40:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	93760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	172552	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	156849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	73363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	85981	52.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.940%			
35) Dibromofluoromethane	8.165	113	62208	51.279	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.560%			
50) Toluene-d8	10.565	98	218391	49.254	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.500%			
62) 4-Bromofluorobenzene	12.847	95	82423	52.045	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.080%			
Target Compounds						
30) Chloroform	7.959	83	1503m	0.615	ug/l	
39) Methylcyclohexane	9.588	83	818	0.465	ug/l #	86
52) Toluene	10.629	92	28560	9.038	ug/l	98
67) Ethyl Benzene	11.965	91	217563	36.001	ug/l	100
68) m/p-Xylenes	12.071	106	151846	67.182	ug/l	97
69) o-Xylene	12.400	106	76087	35.815	ug/l	99
73) Isopropylbenzene	12.694	105	8555	1.617	ug/l	99
78) n-propylbenzene	13.035	91	21214	3.268	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	31020	7.027	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	230613	51.110	ug/l	99

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

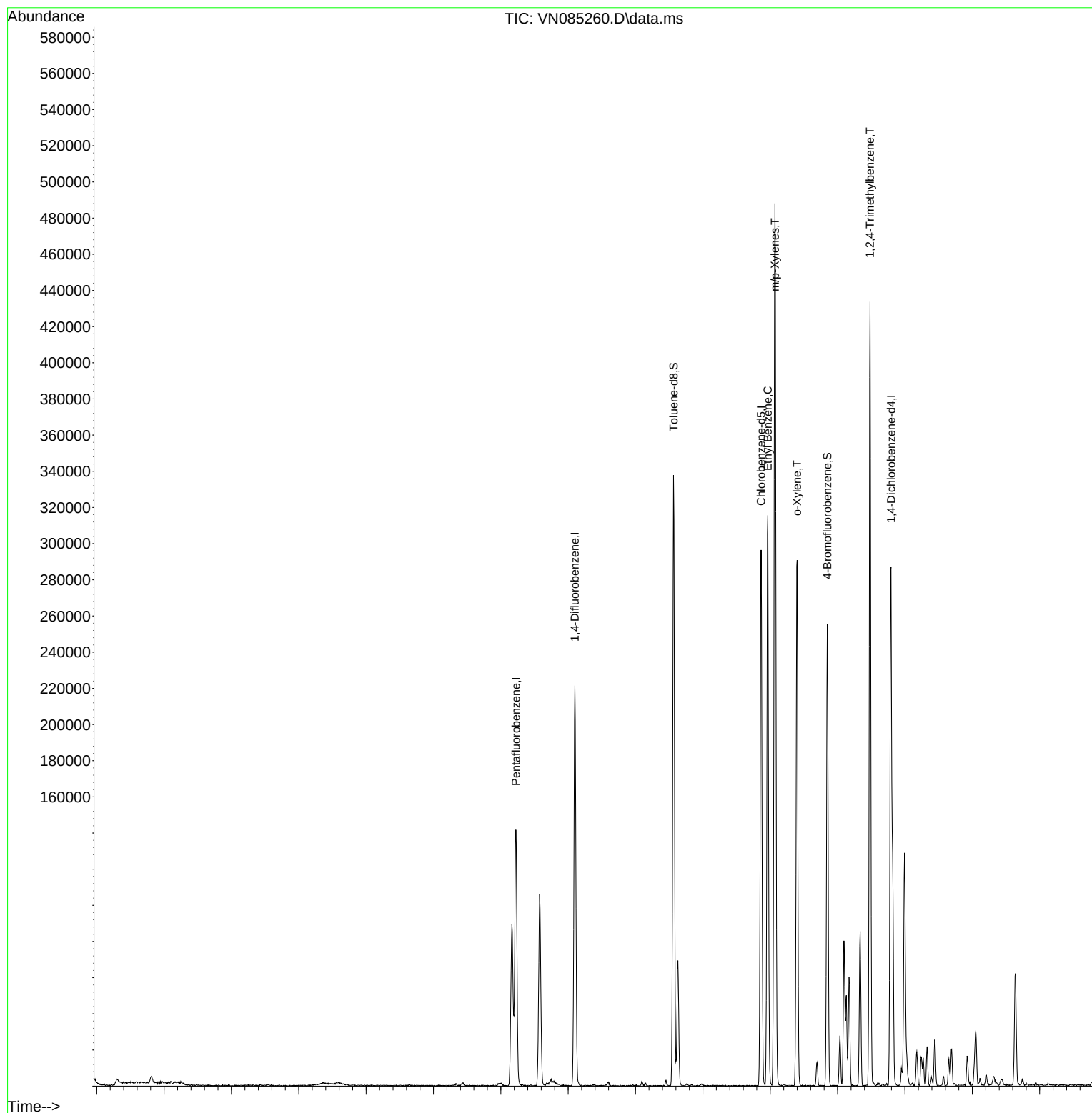
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Acq On : 18 Dec 2024 19:09
Operator : JC\MD
Sample : P5291-06DL 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

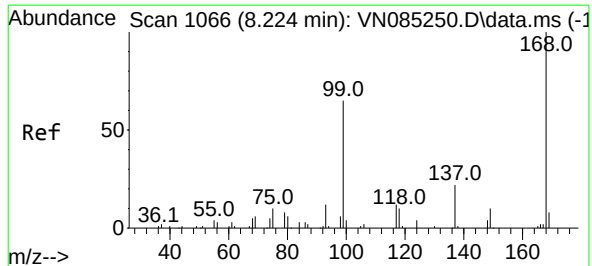
Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213DL

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/20/2024
Supervised By : Mahesh Dadoda 12/20/2024

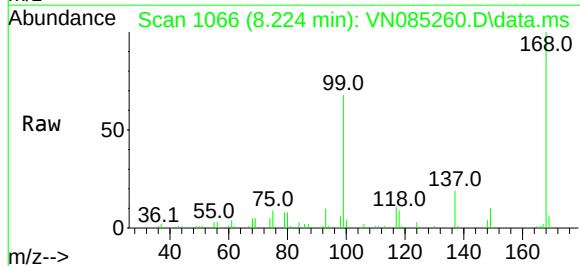
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085260.D
Acq: 18 Dec 2024 19:09

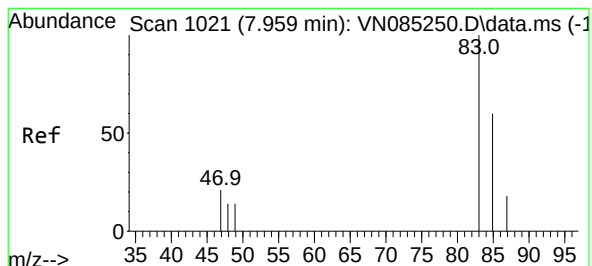
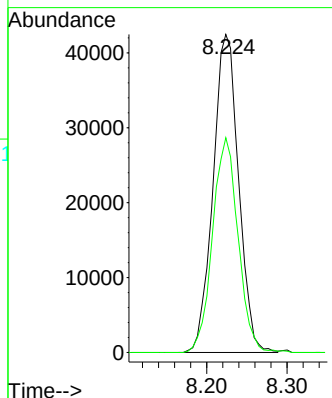
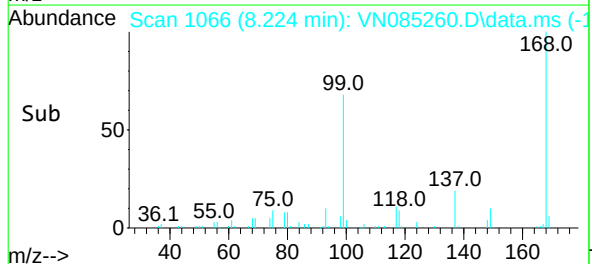
Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213DL



Tgt Ion: 168 Resp: 93760
Ion Ratio Lower Upper
168 100
99 67.5 50.7 76.1

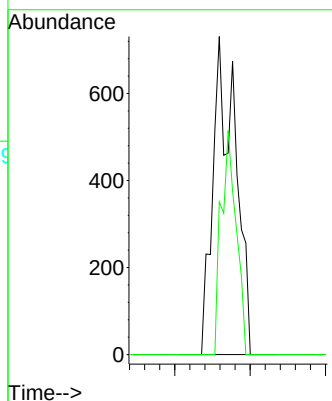
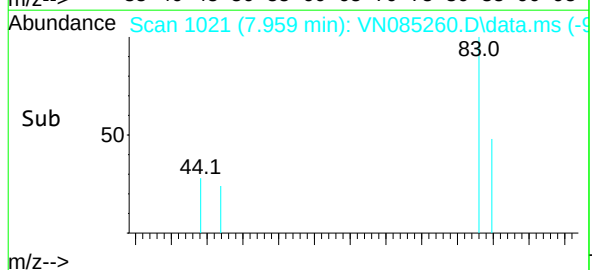
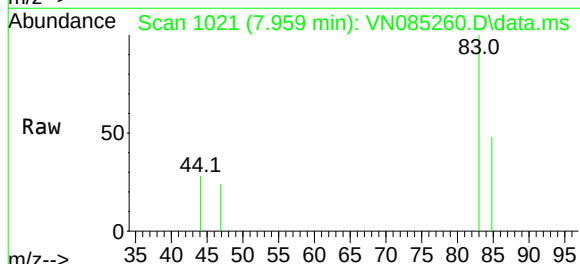
Manual Integrations
APPROVED

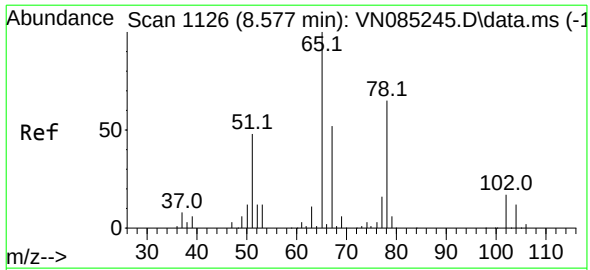
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#30
Chloroform
Concen: 0.615 ug/l m
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN085260.D
Acq: 18 Dec 2024 19:09

Tgt Ion: 83 Resp: 1503
Ion Ratio Lower Upper
83 100
85 48.0 51.4 77.0#





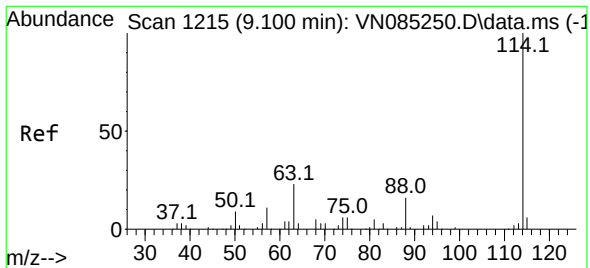
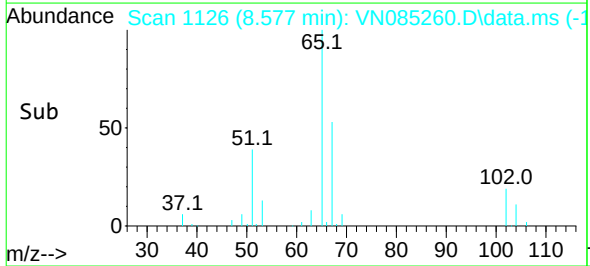
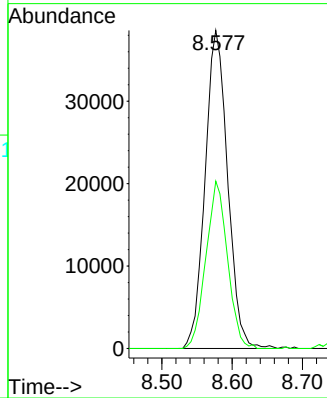
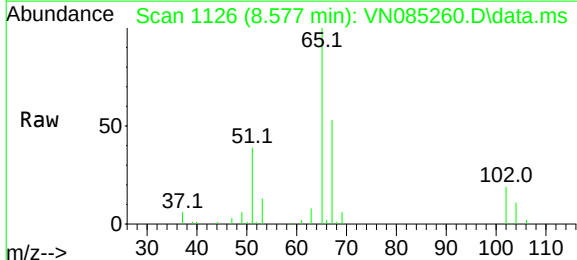
#33
1,2-Dichloroethane-d4
Concen: 52.466 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085260.D
Acq: 18 Dec 2024 19:09

Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213DL

Tgt Ion: 65 Resp: 85981
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.2

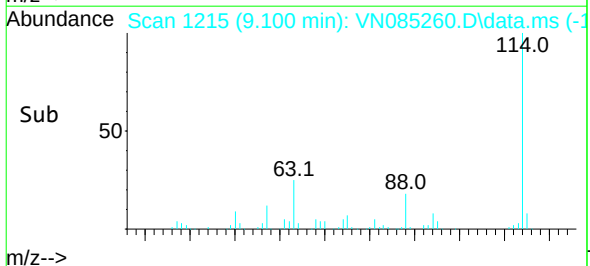
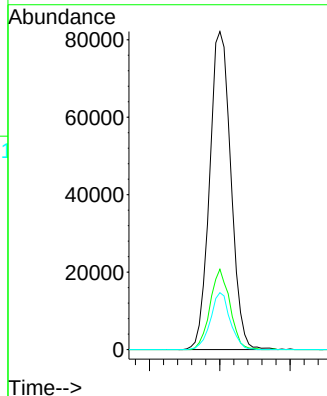
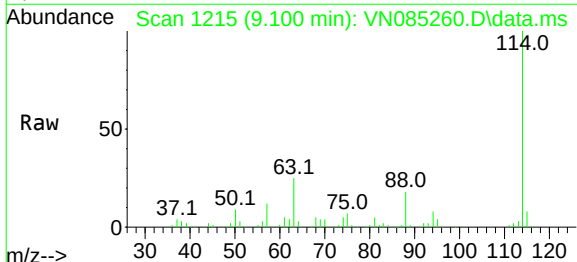
Manual Integrations
APPROVED

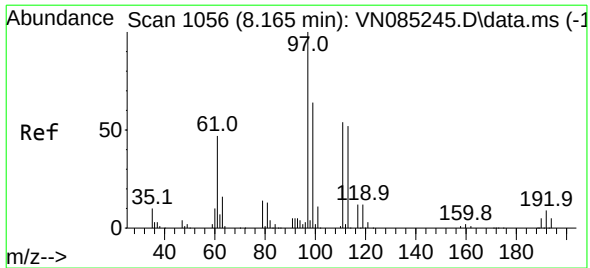
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085260.D
Acq: 18 Dec 2024 19:09

Tgt Ion:114 Resp: 172552
Ion Ratio Lower Upper
114 100
63 25.3 0.0 46.2
88 17.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 51.279 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085260.D

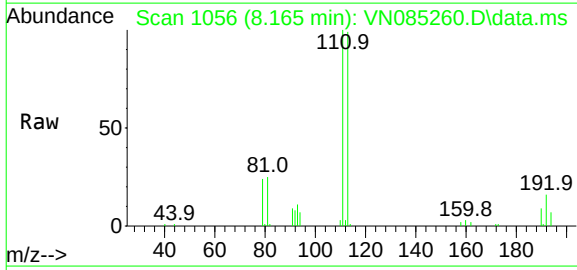
Acq: 18 Dec 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213DL



Tgt Ion: 113 Resp: 62208

Ion Ratio Lower Upper

113 100

111 103.2 82.1 123.1

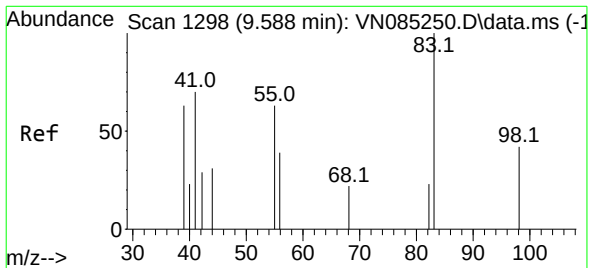
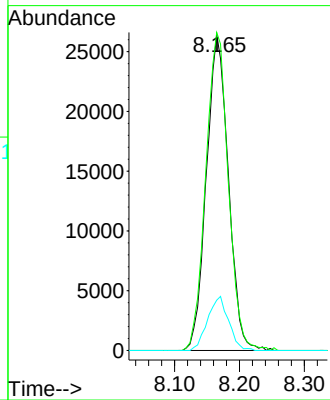
192 16.3 13.4 20.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#39

Methylcyclohexane

Concen: 0.465 ug/l

RT: 9.588 min Scan# 1298

Delta R.T. -0.012 min

Lab File: VN085260.D

Acq: 18 Dec 2024 19:09

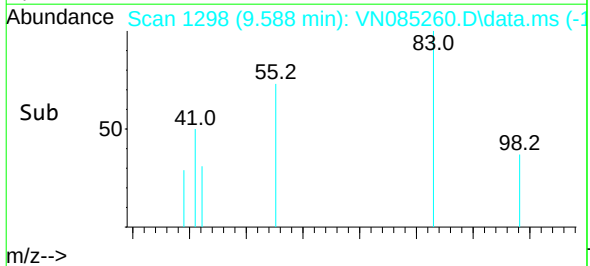
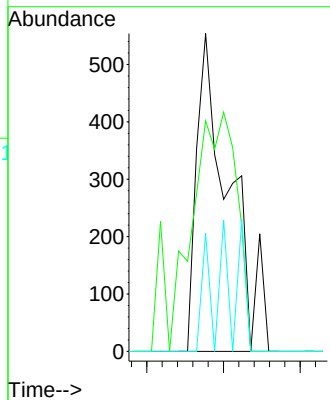
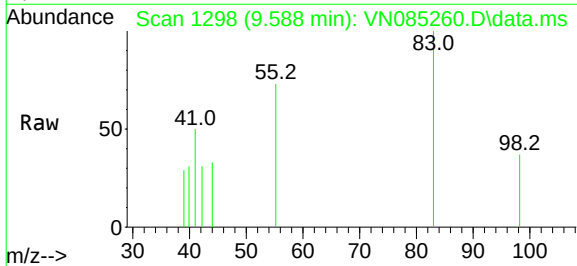
Tgt Ion: 83 Resp: 818

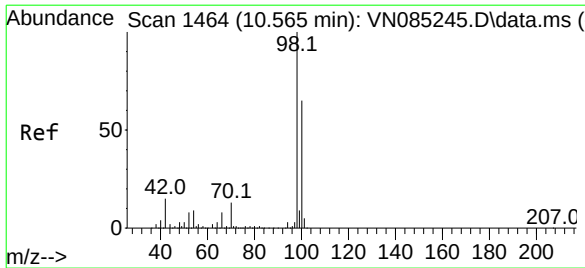
Ion Ratio Lower Upper

83 100

55 72.6 66.8 100.2

98 37.2 39.4 59.2#





#50

Toluene-d8

Concen: 49.254 ug/l

RT: 10.565 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN085260.D

Acq: 18 Dec 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213DL

Tgt Ion: 98 Resp: 218391

Ion Ratio Lower Upper

98 100

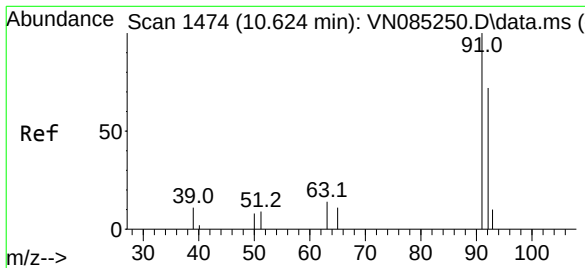
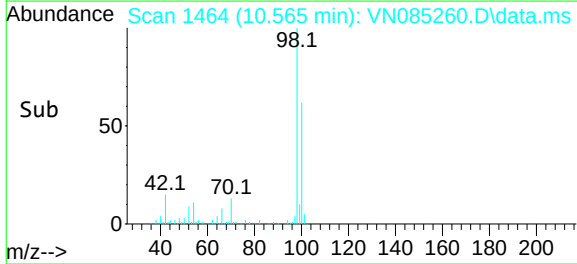
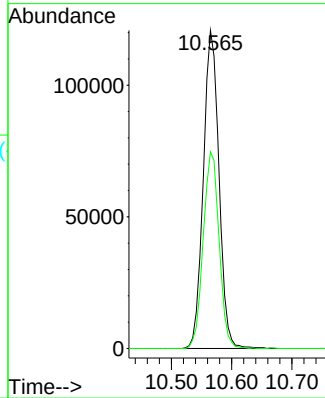
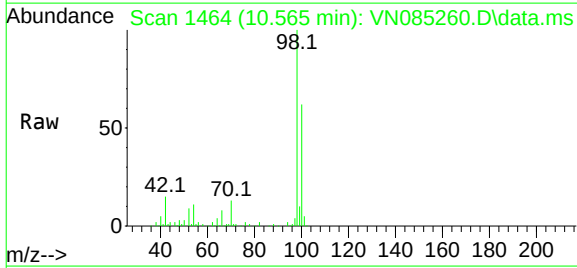
100 62.7 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#52

Toluene

Concen: 9.038 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN085260.D

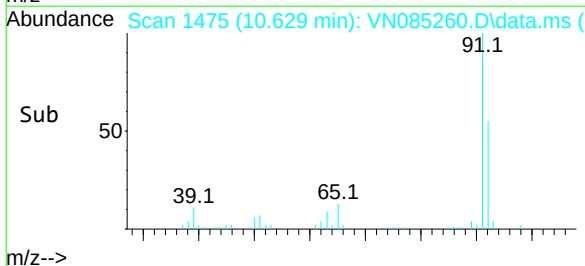
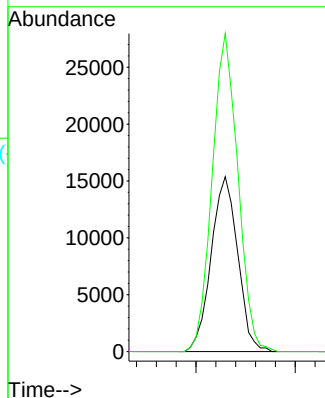
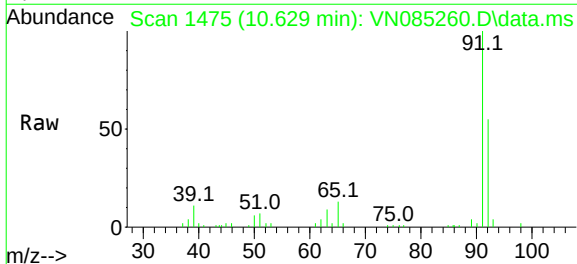
Acq: 18 Dec 2024 19:09

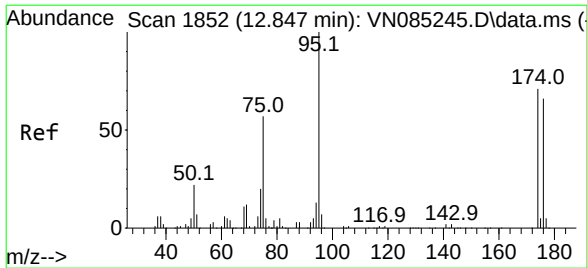
Tgt Ion: 92 Resp: 28560

Ion Ratio Lower Upper

92 100

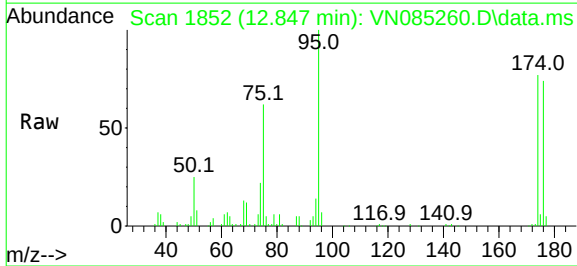
91 176.6 138.9 208.3





#62
4-Bromofluorobenzene
Concen: 52.045 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085260.D
Acq: 18 Dec 2024 19:09

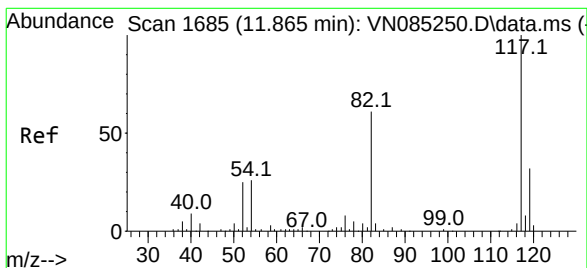
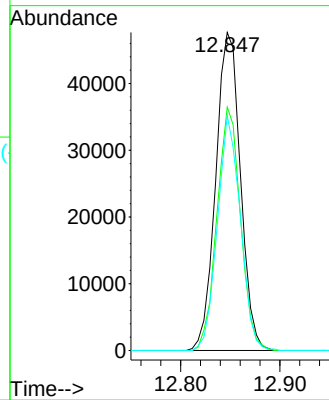
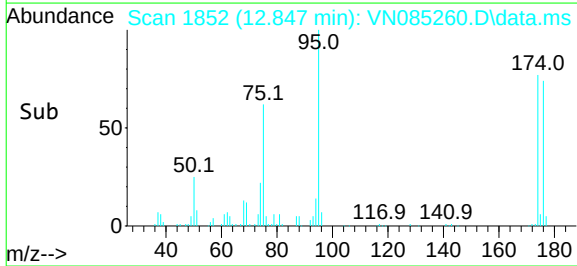
Instrument :
MSVOA_N
ClientSampleId :
MW3-20241213DL



Tgt Ion: 95 Resp: 82423
Ion Ratio Lower Upper
95 100
174 72.9 0.0 144.4
176 68.5 0.0 136.6

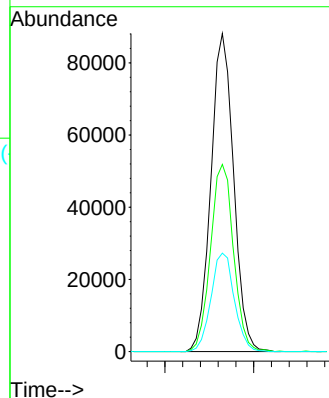
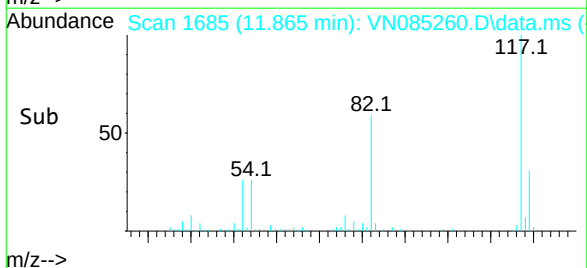
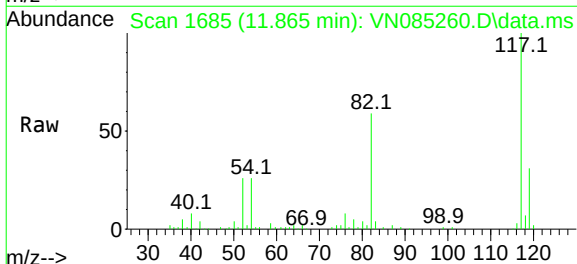
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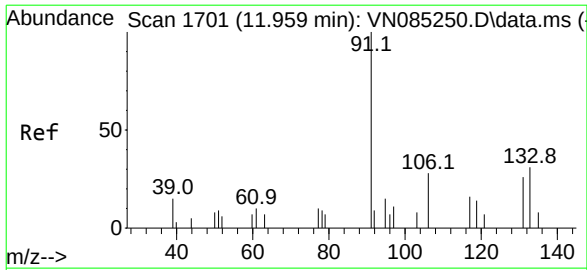
Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085260.D
Acq: 18 Dec 2024 19:09

Tgt Ion:117 Resp: 156849
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.0 25.6 38.4





#67

Ethyl Benzene

Concen: 36.001 ug/l

RT: 11.965 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VN085260.D

Acq: 18 Dec 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213DL

Tgt Ion: 91 Resp: 217563

Ion Ratio Lower Upper

91 100

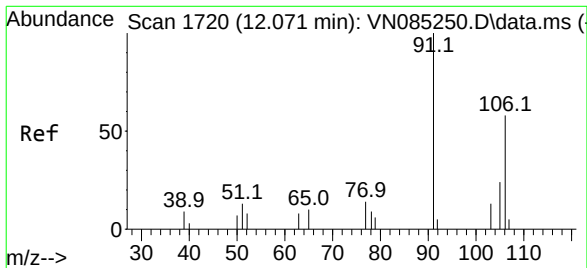
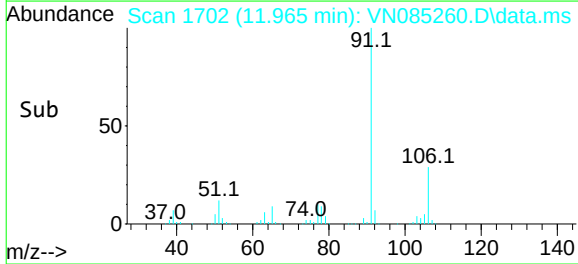
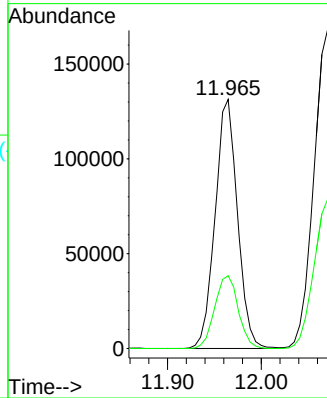
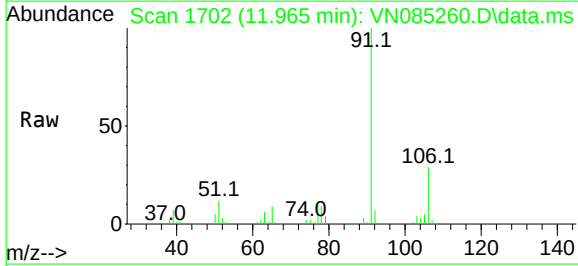
106 29.2 23.5 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#68

m/p-Xylenes

Concen: 67.182 ug/l

RT: 12.071 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085260.D

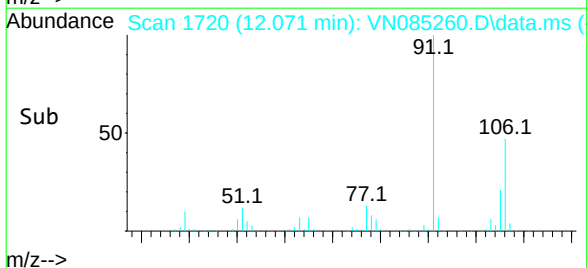
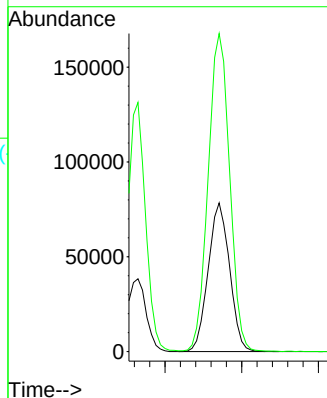
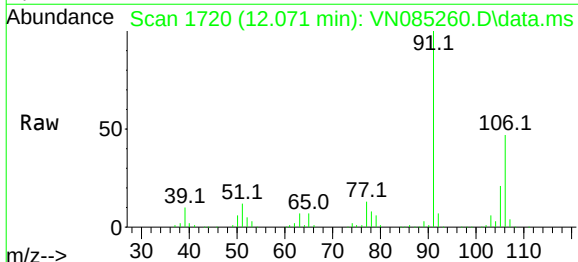
Acq: 18 Dec 2024 19:09

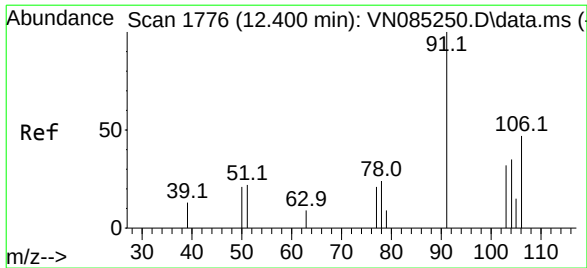
Tgt Ion:106 Resp: 151846

Ion Ratio Lower Upper

106 100

91 215.2 168.3 252.5





#69

o-Xylene

Concen: 35.815 ug/l

RT: 12.400 min Scan# 17

Delta R.T. 0.006 min

Lab File: VN085260.D

Acq: 18 Dec 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213DL

Tgt Ion:106 Resp: 76087

Ion Ratio Lower Upper

106 100

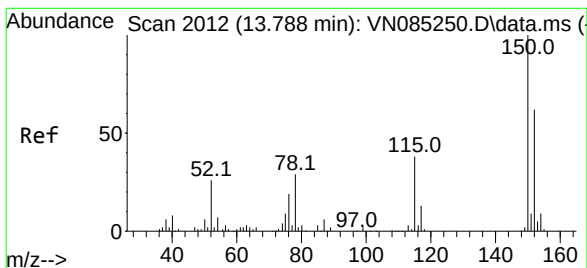
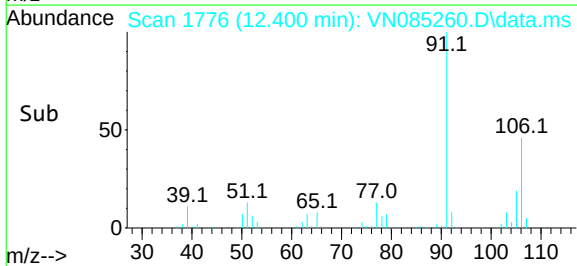
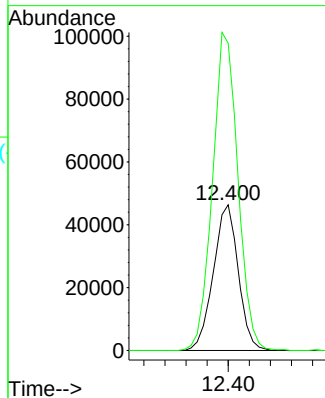
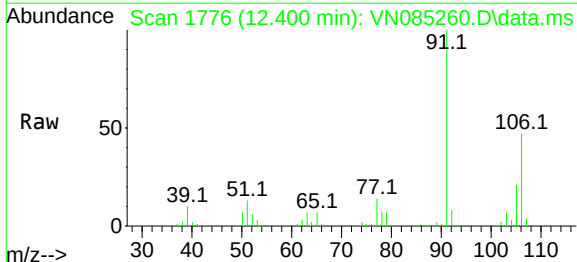
91 222.6 112.1 336.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN085260.D

Acq: 18 Dec 2024 19:09

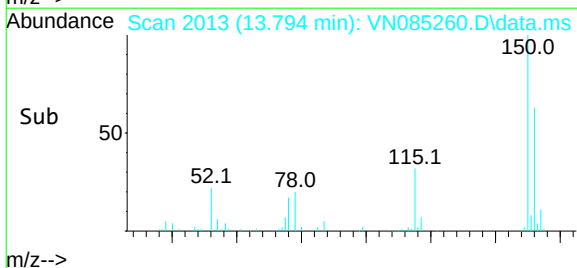
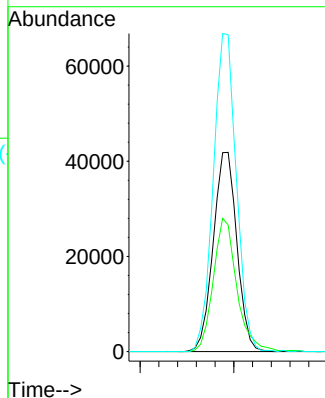
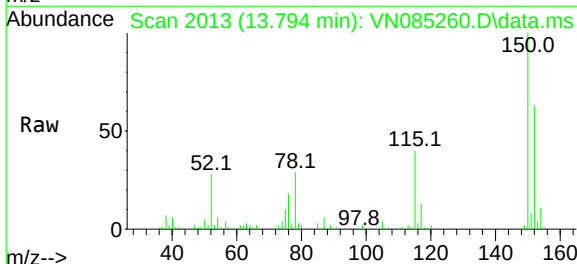
Tgt Ion:152 Resp: 73363

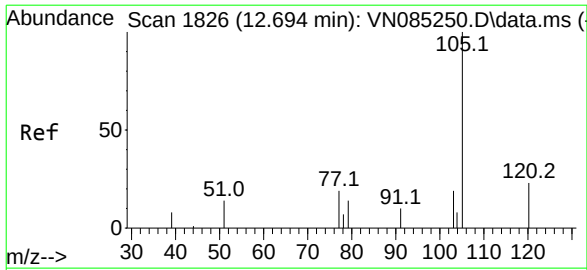
Ion Ratio Lower Upper

152 100

115 66.6 32.1 96.3

150 155.8 0.0 354.6





#73

Isopropylbenzene

Concen: 1.617 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085260.D

Acq: 18 Dec 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213DL

Tgt Ion: 105 Resp: 8555

Ion Ratio Lower Upper

105 100

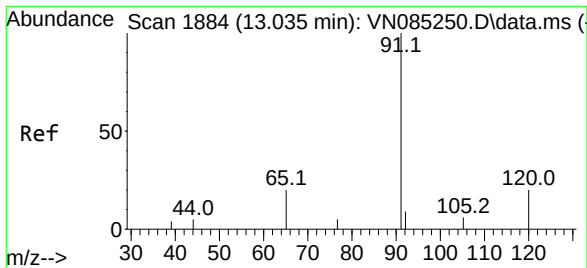
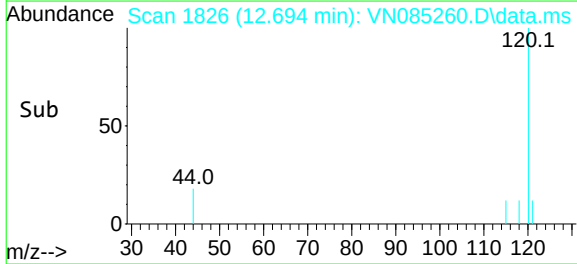
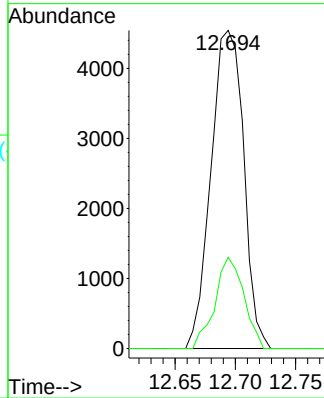
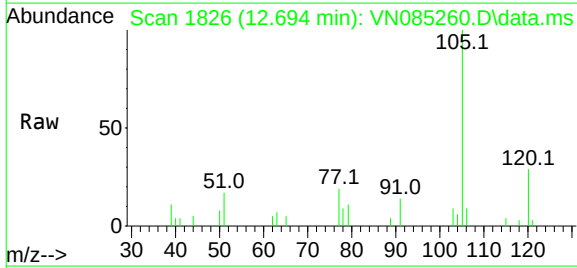
120 25.4 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#78

n-propylbenzene

Concen: 3.268 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085260.D

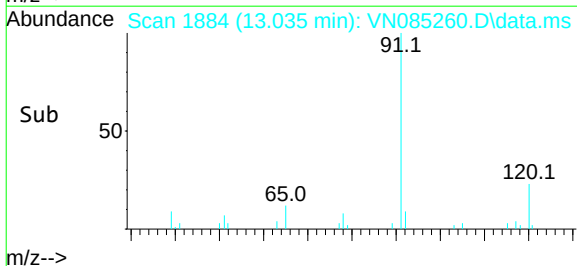
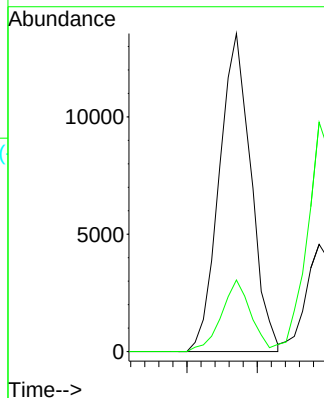
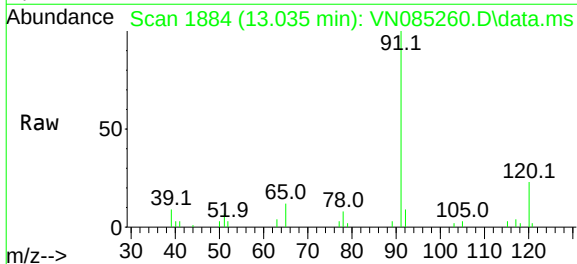
Acq: 18 Dec 2024 19:09

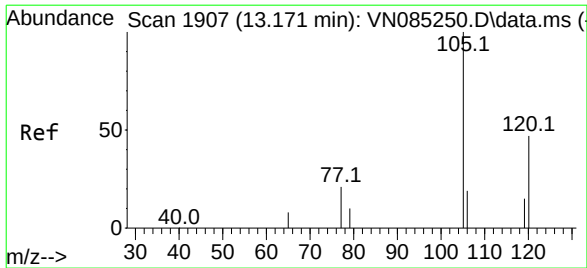
Tgt Ion: 91 Resp: 21214

Ion Ratio Lower Upper

91 100

120 20.8 10.8 32.3





#80

1,3,5-Trimethylbenzene

Concen: 7.027 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085260.D

Acq: 18 Dec 2024 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW3-20241213DL

Tgt Ion:105 Resp: 31020

Ion Ratio Lower Upper

105 100

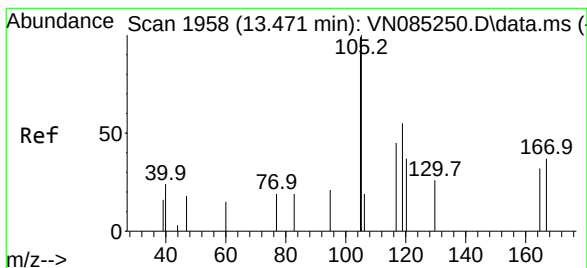
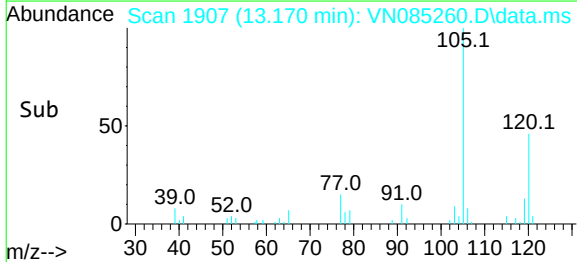
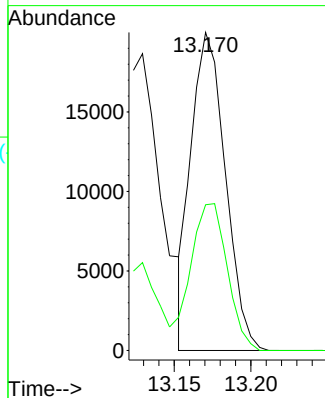
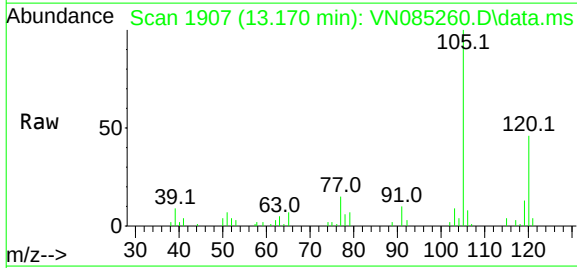
120 49.6 23.4 70.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024



#84

1,2,4-Trimethylbenzene

Concen: 51.110 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN085260.D

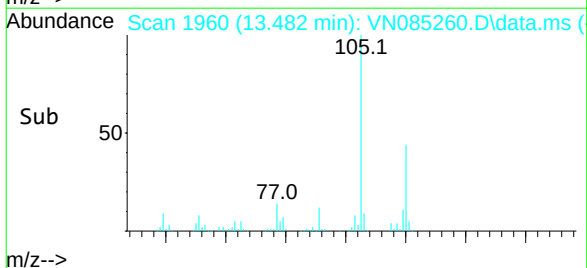
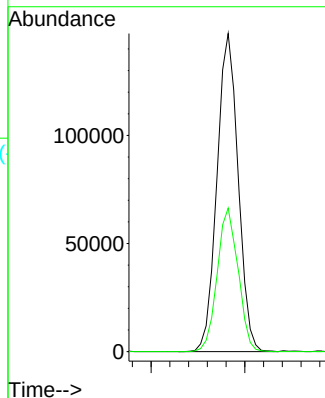
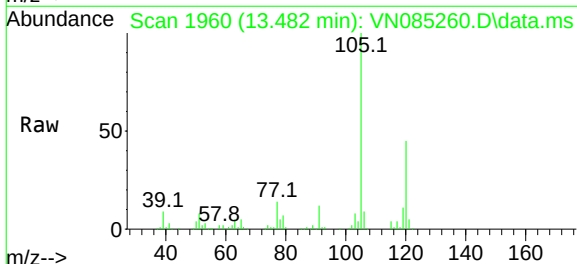
Acq: 18 Dec 2024 19:09

Tgt Ion:105 Resp: 230613

Ion Ratio Lower Upper

105 100

120 44.4 21.8 65.3



Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW6-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085239.D	1		12/17/24 21:11	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	UQ	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	UQ	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
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	14.7		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	9.00		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	14.7		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	23.9		0.19	1.00	ug/L
71-43-2	Benzene	300	E	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
108-88-3	Toluene	67.3		0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW6-20241213			SDG No.:	P5291
Lab Sample ID:	P5291-07			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085239.D	1		12/17/24 21:11	VN121724

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW6-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-07	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
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GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085239.D	1		12/17/24 21:11	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000078-78-4	Butane, 2-methyl-	31.1	J		3.24	ug/L
000096-37-7	Cyclopentane, methyl-	20.7	J		7.33	ug/L
000994-05-8	Butane, 2-methoxy-2-methyl-	91.8	J		8.78	ug/L
103-65-1	n-propylbenzene	8.10	J		13.0	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	21.5	J		13.1	ug/L
108-67-8	1,3,5-Trimethylbenzene	15.3	J		13.2	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	52.4	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	100	J		13.5	ug/L
99-87-6	p-Isopropyltoluene	0.97	J		13.7	ug/L
000496-11-7	Indane	65.9	J		14.0	ug/L
000099-87-6	p-Cymene	17.8	J		14.3	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	17.1	J		14.4	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	21.4	J		15.0	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085239.D
 Acq On : 17 Dec 2024 21:11
 Operator : JC\MD
 Sample : P5291-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:42:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	159121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	272871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	245552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108814	48.008	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.020%		
35) Dibromofluoromethane	8.165	113	87410	47.502	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.000%		
50) Toluene-d8	10.565	98	324349	49.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.360%		
62) 4-Bromofluorobenzene	12.847	95	129938	52.688	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.380%		
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	9731	14.741	ug/l #	66
19) Methyl tert-butyl Ether	5.794	73	49926	9.048	ug/l #	1
31) Cyclohexane	8.253	56	44310	14.676	ug/l #	89
39) Methylcyclohexane	9.600	83	62009	23.941	ug/l	95
40) Benzene	8.606	78	2355359	298.781	ug/l	100
52) Toluene	10.629	92	314307	67.349	ug/l	99
67) Ethyl Benzene	11.965	91	1075242	119.012	ug/l	99
68) m/p-Xylenes	12.071	106	1023363	297.515	ug/l	99
69) o-Xylene	12.394	106	328714	100.463	ug/l	99
73) Isopropylbenzene	12.694	105	45063	5.740	ug/l	98
78) n-propylbenzene	13.035	91	73521	8.120	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	100779	15.299	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	690950	101.901	ug/l	100
86) p-Isopropyltoluene	13.723	119	6102m	0.965	ug/l	

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

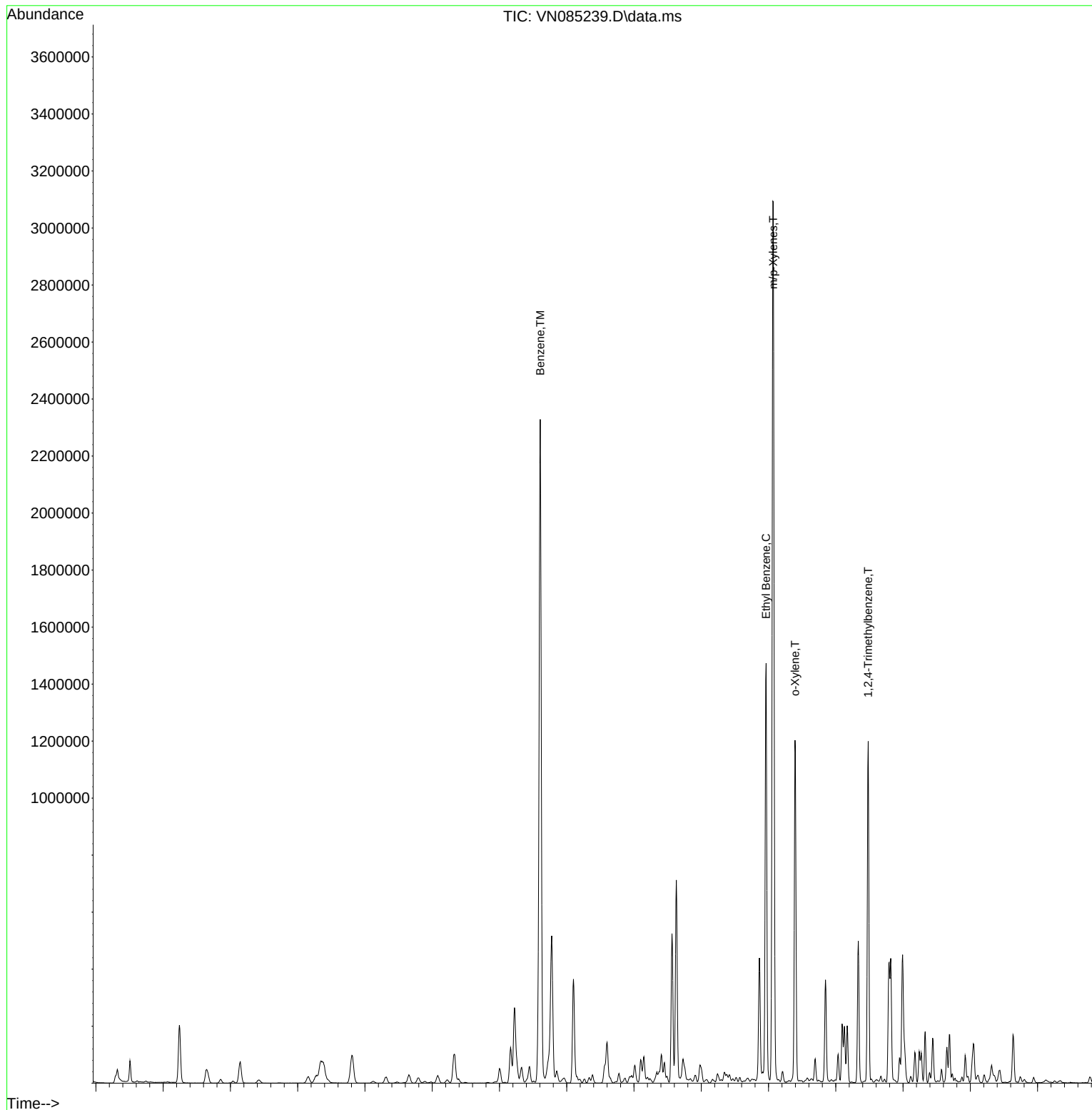
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Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

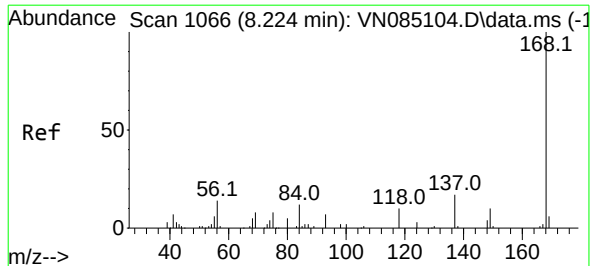
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

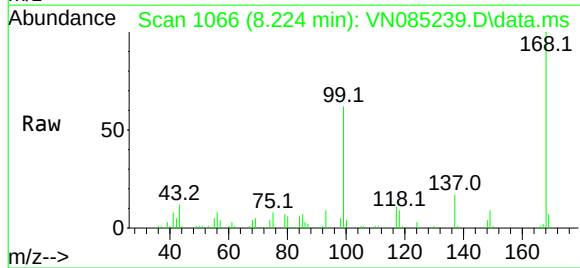
Quant Time: Dec 18 00:42:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085239.D
Acq: 17 Dec 2024 21:11

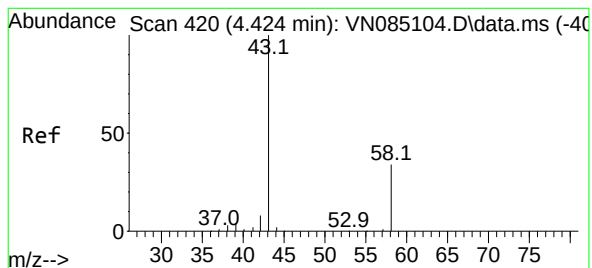
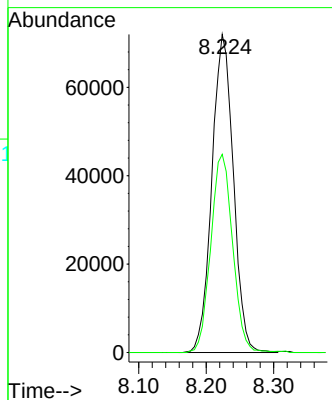
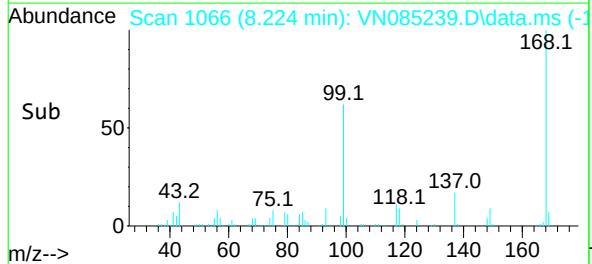
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213



Tgt Ion: 168 Resp: 159121
Ion Ratio Lower Upper
168 100
99 62.3 51.2 76.8

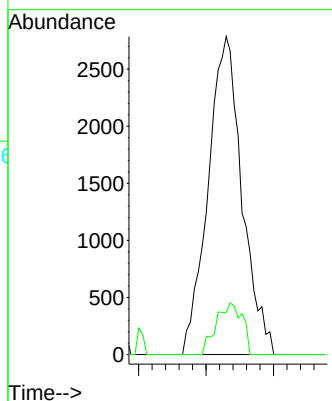
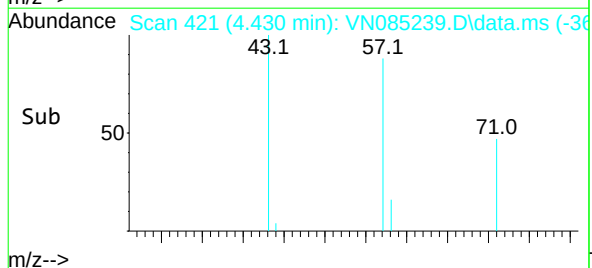
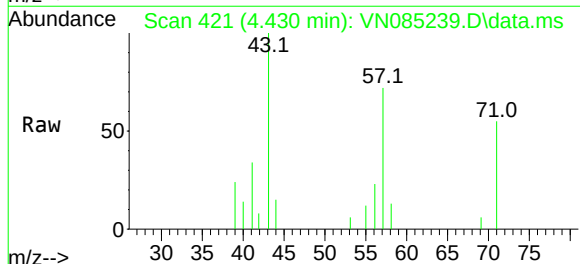
Manual Integrations
APPROVED

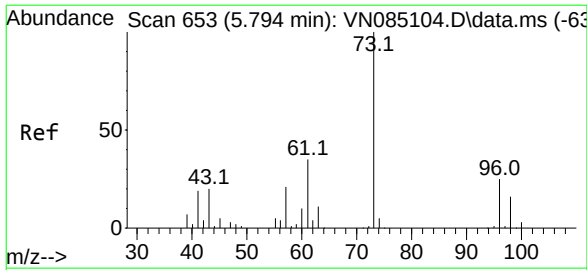
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#16
Acetone
Concen: 14.741 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN085239.D
Acq: 17 Dec 2024 21:11

Tgt Ion: 43 Resp: 9731
Ion Ratio Lower Upper
43 100
58 13.1 25.4 38.2#





#19

Methyl tert-butyl Ether

Concen: 9.048 ug/l

RT: 5.794 min Scan# 653

Delta R.T. 0.006 min

Lab File: VN085239.D

Acq: 17 Dec 2024 21:11

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213

Tgt Ion: 73 Resp: 49926

Ion Ratio Lower Upper

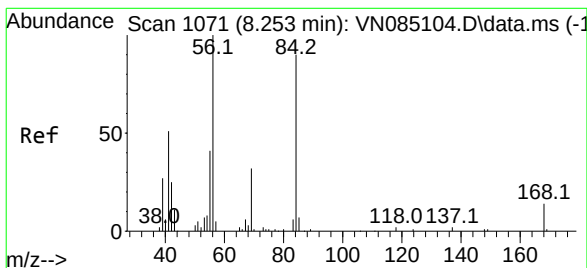
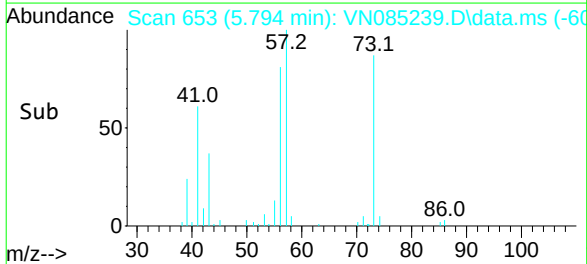
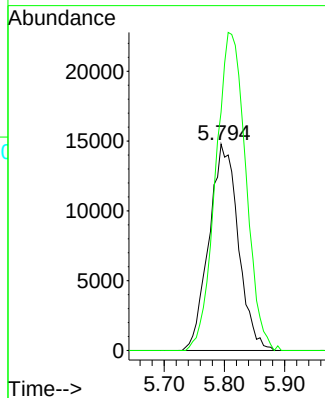
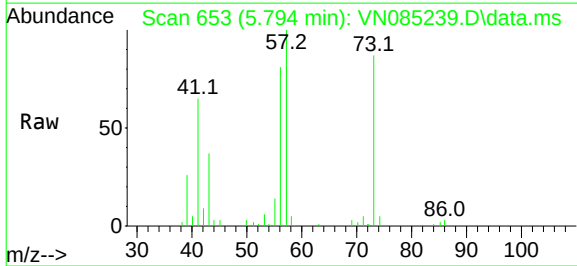
73 100

57 115.6 17.0 25.4#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#31

Cyclohexane

Concen: 14.676 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085239.D

Acq: 17 Dec 2024 21:11

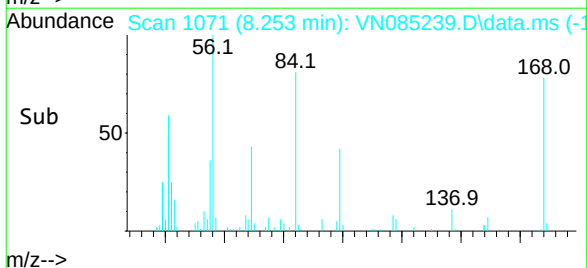
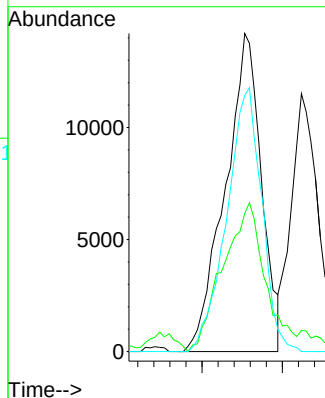
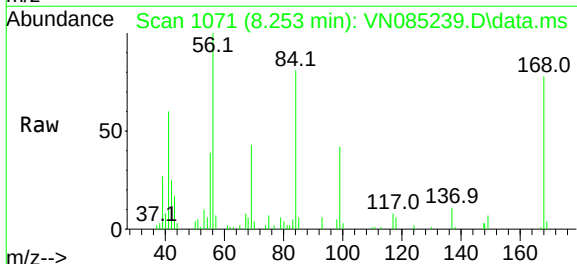
Tgt Ion: 56 Resp: 44310

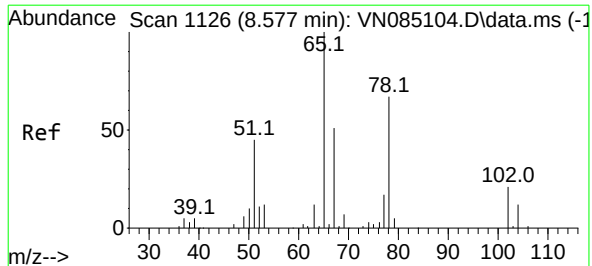
Ion Ratio Lower Upper

56 100

69 40.5 24.6 36.8#

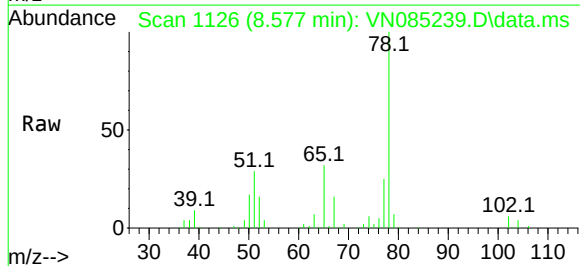
84 80.6 71.4 107.2





#33
1,2-Dichloroethane-d4
Concen: 48.008 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085239.D
Acq: 17 Dec 2024 21:11

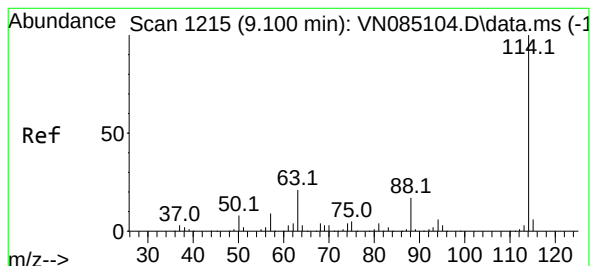
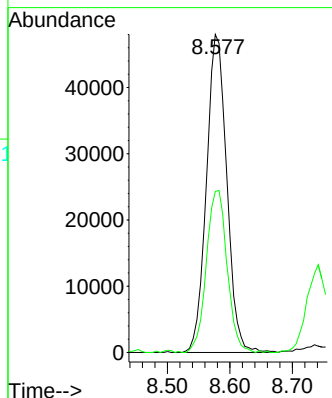
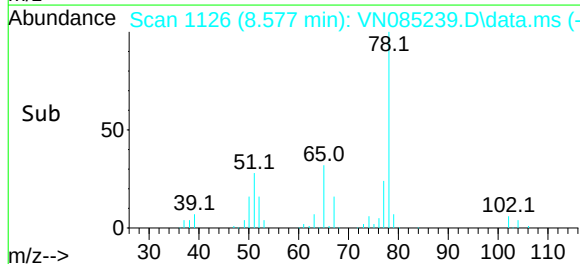
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213



Tgt Ion: 65 Resp: 108814
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.0

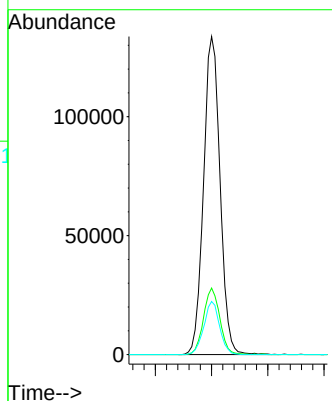
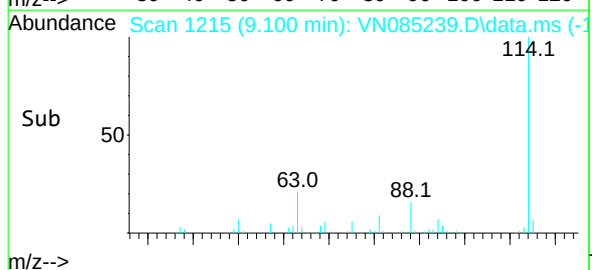
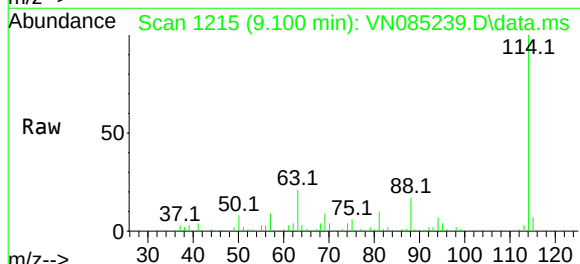
Manual Integrations
APPROVED

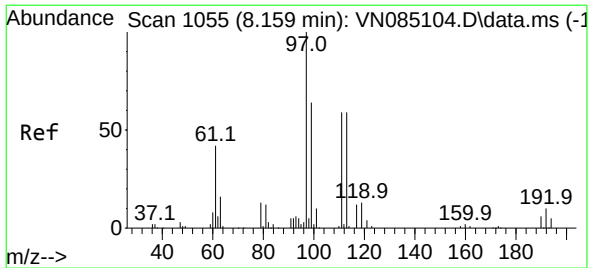
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085239.D
Acq: 17 Dec 2024 21:11

Tgt Ion:114 Resp: 272871
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.0
88 16.7 0.0 34.8





#35

Dibromofluoromethane

Concen: 47.502 ug/l

RT: 8.165 min Scan# 1055

Delta R.T. 0.006 min

Lab File: VN085239.D

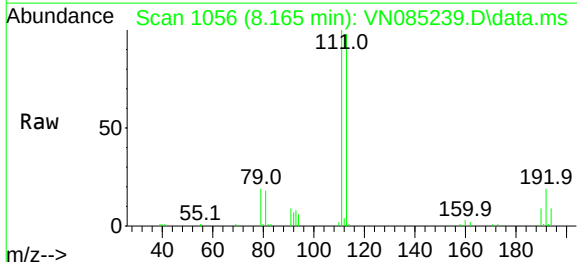
Acq: 17 Dec 2024 21:11

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213



Tgt Ion: 113 Resp: 87410

Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

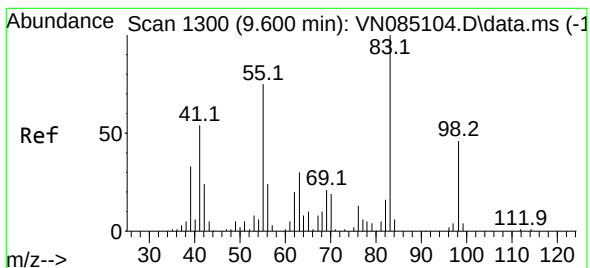
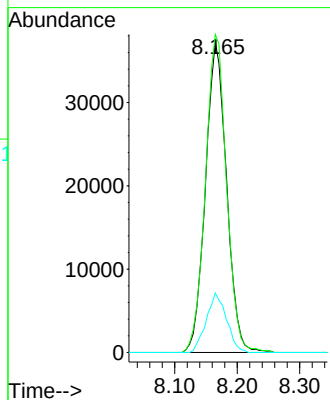
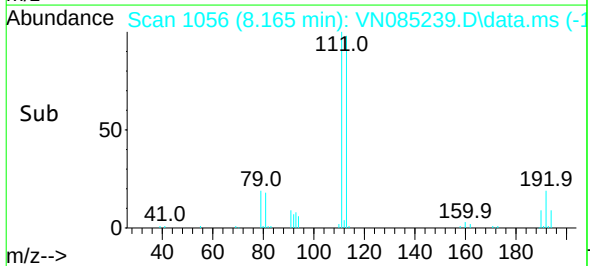
192 18.3 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#39

Methylcyclohexane

Concen: 23.941 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.006 min

Lab File: VN085239.D

Acq: 17 Dec 2024 21:11

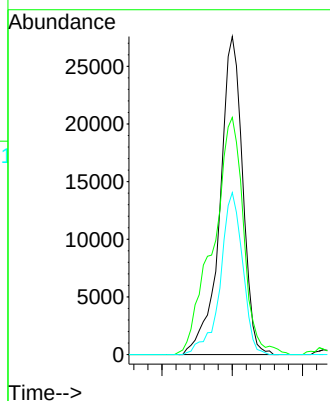
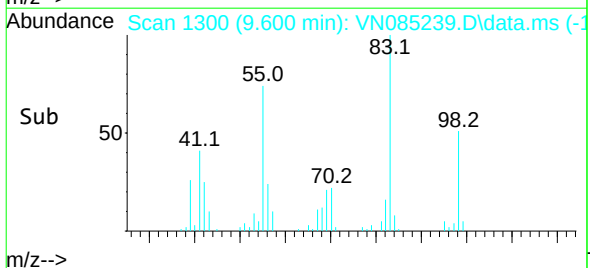
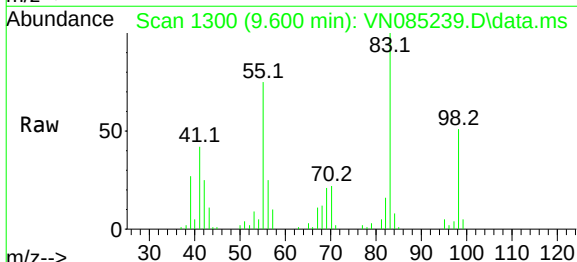
Tgt Ion: 83 Resp: 62009

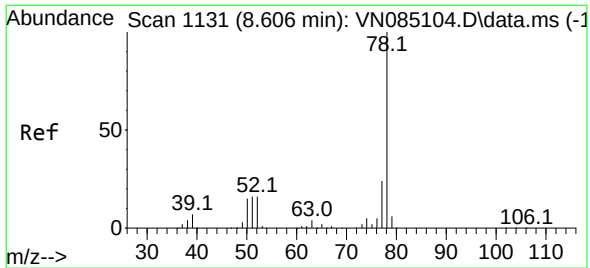
Ion Ratio Lower Upper

83 100

55 73.8 61.8 92.6

98 50.9 37.0 55.6





#40

Benzene

Concen: 298.781 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085239.D

Acq: 17 Dec 2024 21:11

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213

Tgt Ion: 78 Resp: 2355359

Ion Ratio Lower Upper

78 100

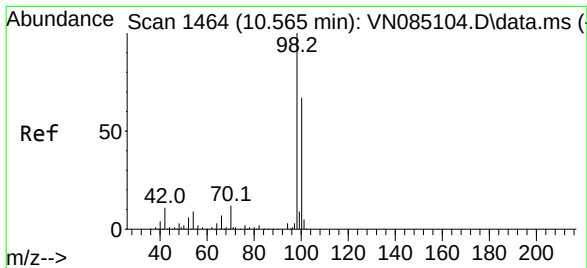
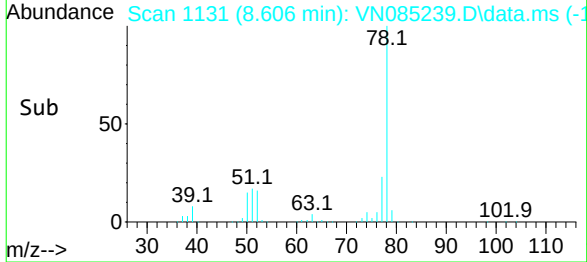
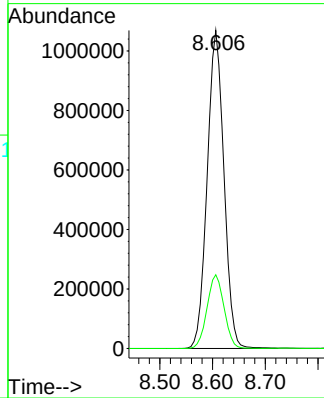
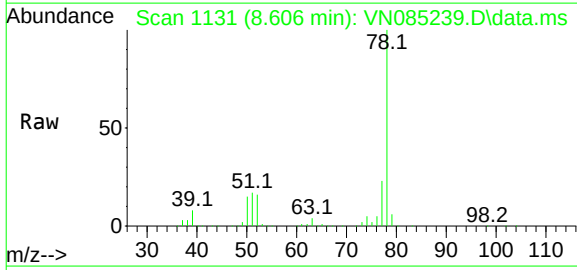
77 23.2 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#50

Toluene-d8

Concen: 49.184 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085239.D

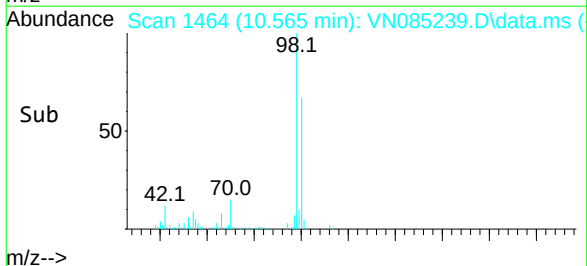
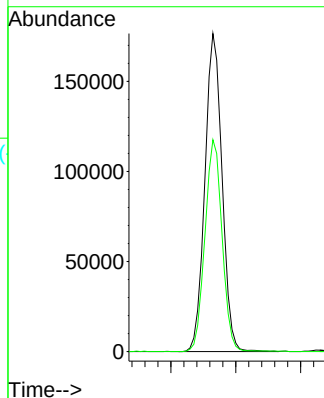
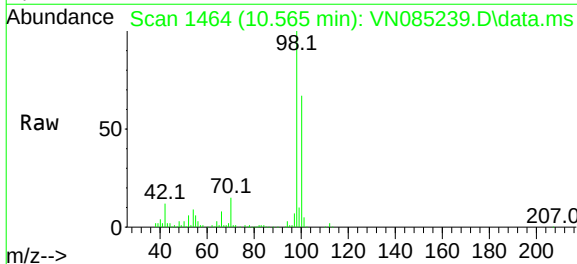
Acq: 17 Dec 2024 21:11

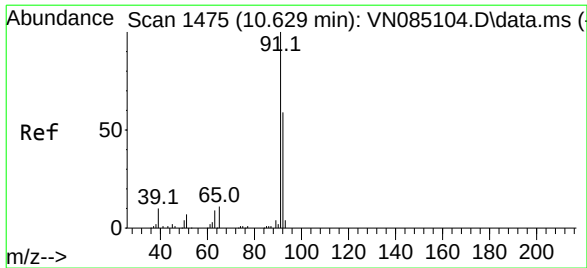
Tgt Ion: 98 Resp: 324349

Ion Ratio Lower Upper

98 100

100 66.7 52.5 78.7





#52

Toluene

Concen: 67.349 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085239.D

Acq: 17 Dec 2024 21:11

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213

Tgt Ion: 92 Resp: 314307

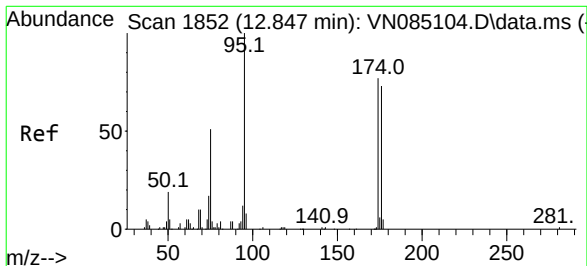
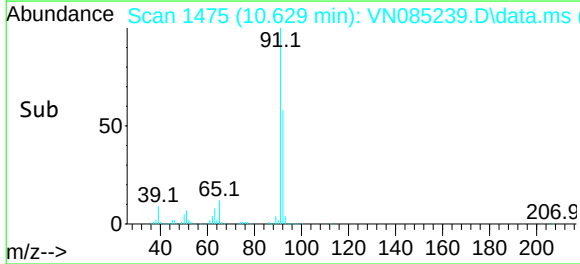
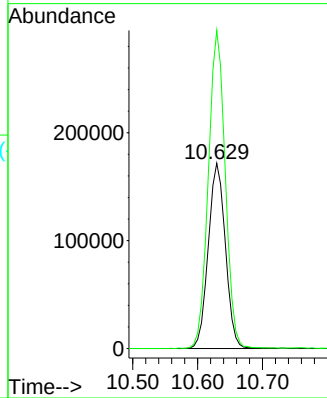
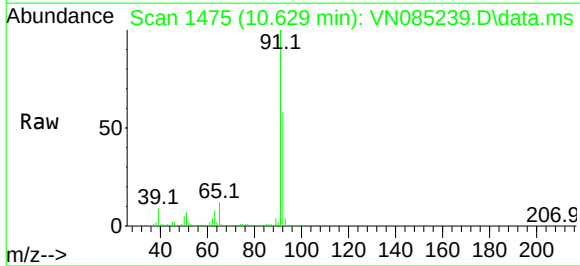
Ion Ratio Lower Upper

92 100

91 169.9 136.7 205.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

#62

4-Bromofluorobenzene

Concen: 52.688 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085239.D

Acq: 17 Dec 2024 21:11

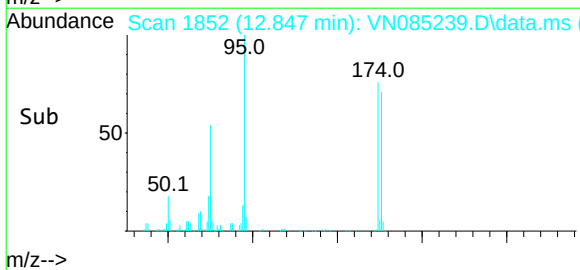
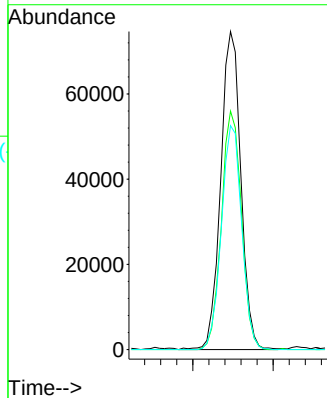
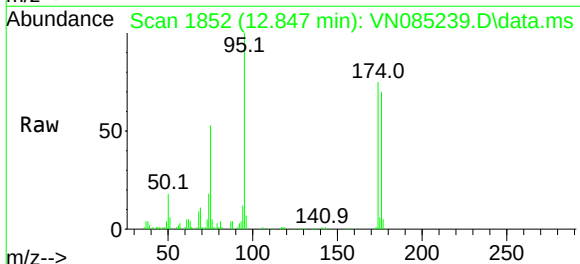
Tgt Ion: 95 Resp: 129938

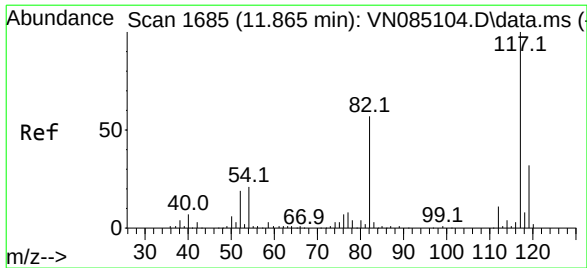
Ion Ratio Lower Upper

95 100

174 74.6 0.0 146.6

176 70.9 0.0 141.8





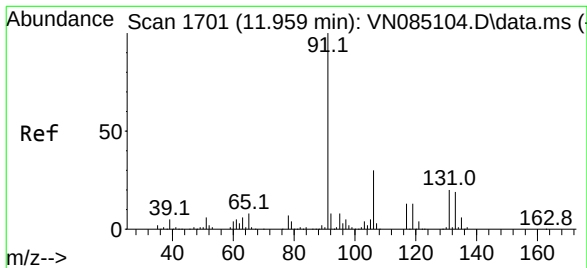
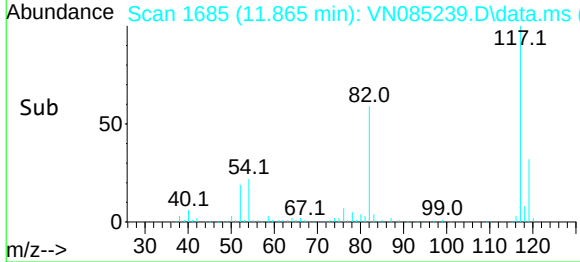
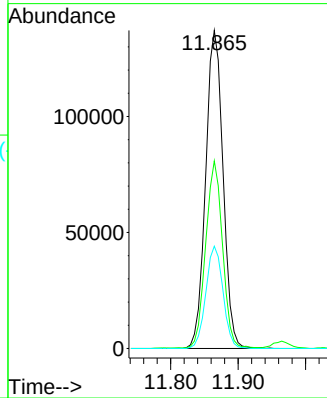
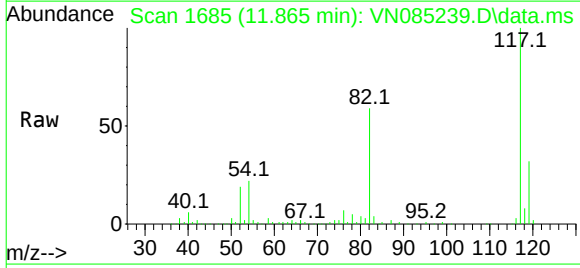
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085239.D
Acq: 17 Dec 2024 21:11

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.8	46.0	69.0
119	32.2	25.6	38.4

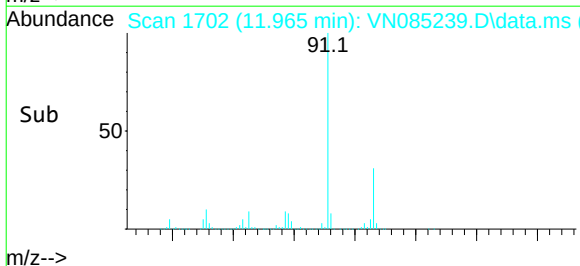
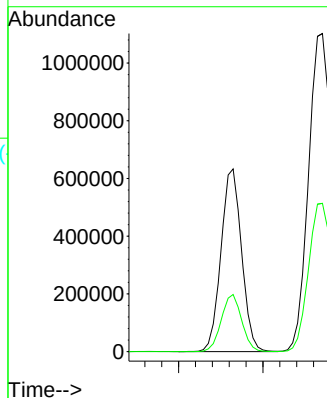
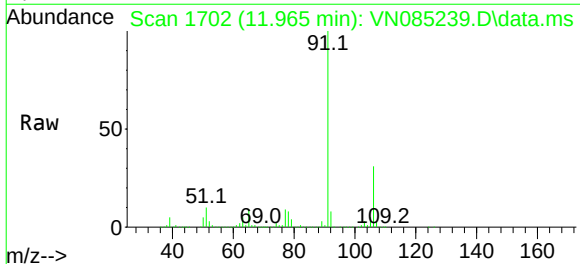
Manual Integrations
APPROVED

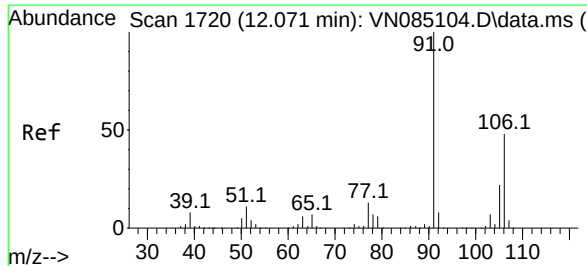
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#67
Ethyl Benzene
Concen: 119.012 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN085239.D
Acq: 17 Dec 2024 21:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.7	37.1





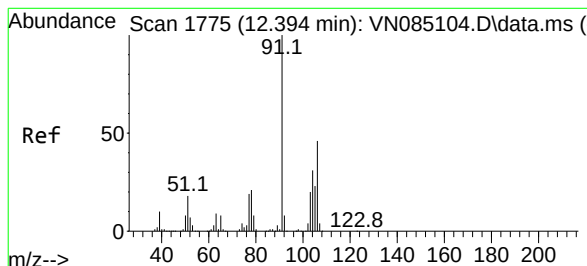
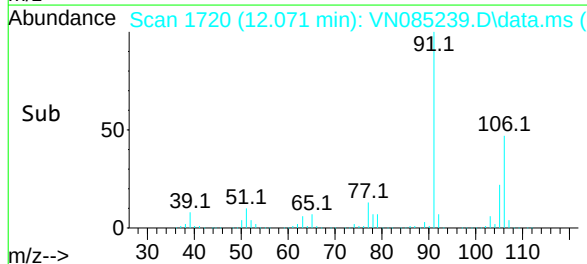
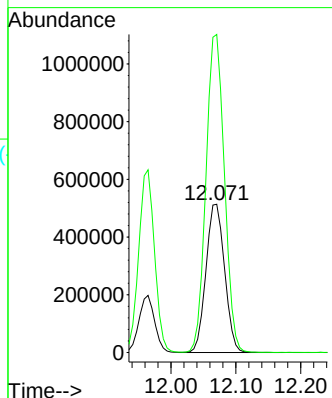
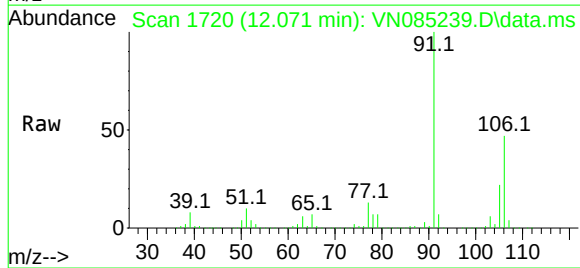
#68
m/p-Xylenes
Concen: 297.515 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085239.D
Acq: 17 Dec 2024 21:11

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

Tgt Ion:106 Resp: 1023363
Ion Ratio Lower Upper
106 100
91 212.3 168.0 252.0

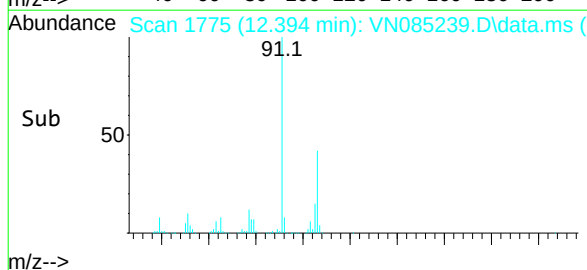
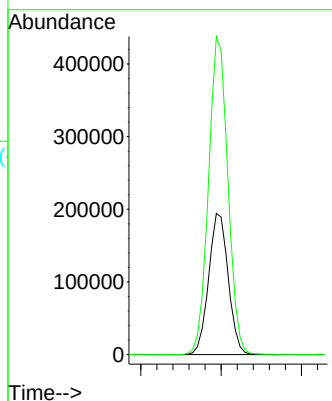
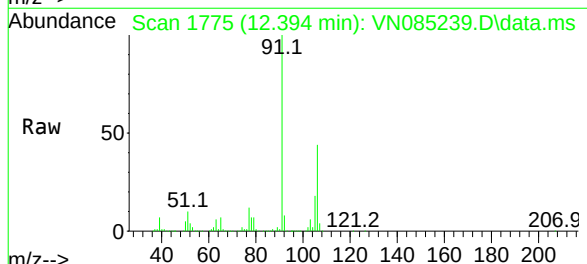
Manual Integrations
APPROVED

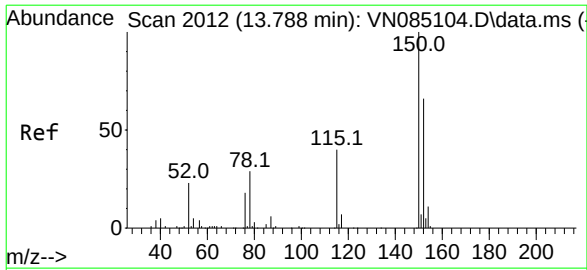
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#69
o-Xylene
Concen: 100.463 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085239.D
Acq: 17 Dec 2024 21:11

Tgt Ion:106 Resp: 328714
Ion Ratio Lower Upper
106 100
91 223.2 110.7 331.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085239.D

Acq: 17 Dec 2024 21:11

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213

Tgt Ion:152 Resp: 111275

Ion Ratio Lower Upper

152 100

115 73.1 31.7 95.1

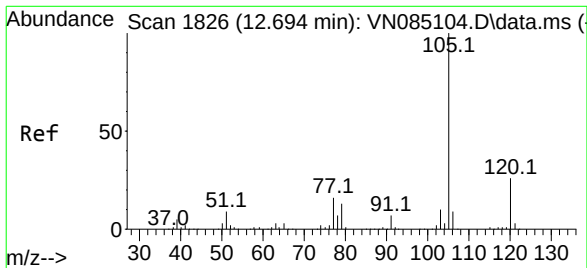
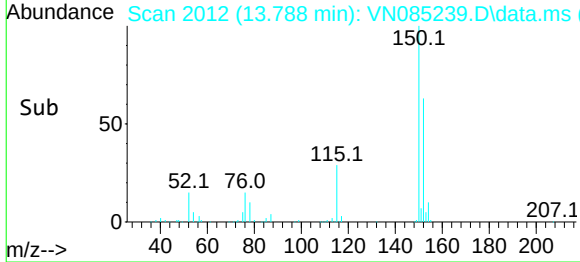
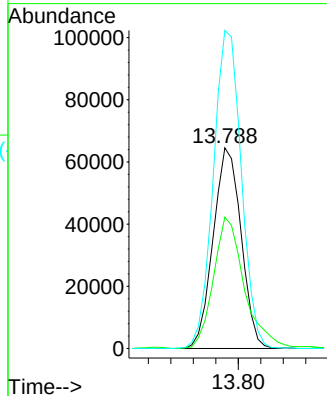
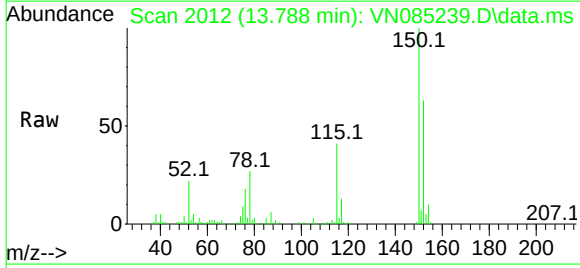
150 159.1 0.0 351.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#73

Isopropylbenzene

Concen: 5.740 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085239.D

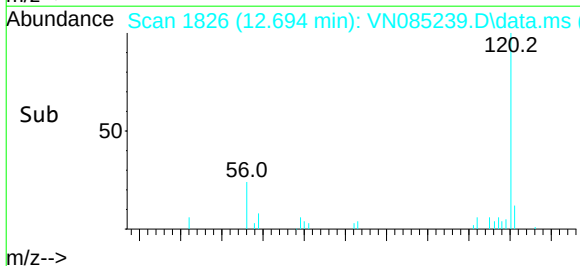
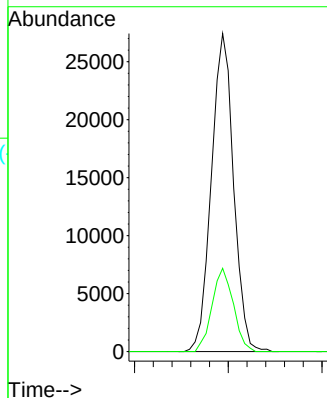
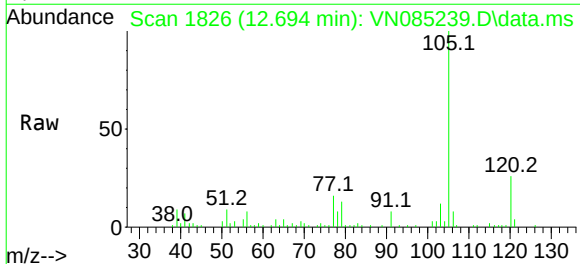
Acq: 17 Dec 2024 21:11

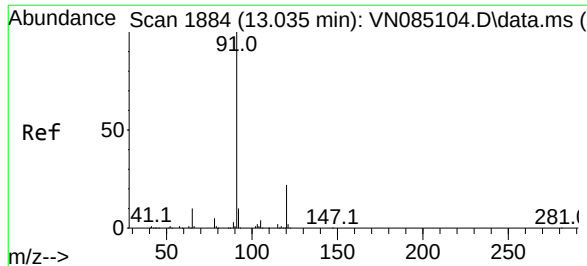
Tgt Ion:105 Resp: 45063

Ion Ratio Lower Upper

105 100

120 25.1 13.0 39.0





#78

n-propylbenzene

Concen: 8.120 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085239.D

Acq: 17 Dec 2024 21:11

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213

Tgt Ion: 91 Resp: 73521

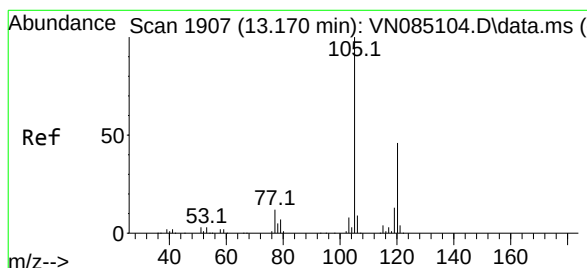
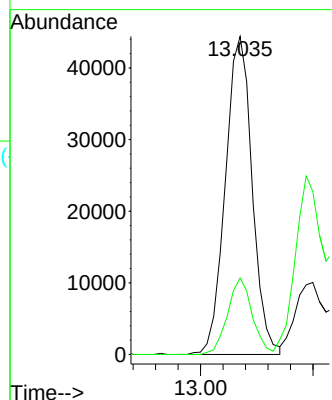
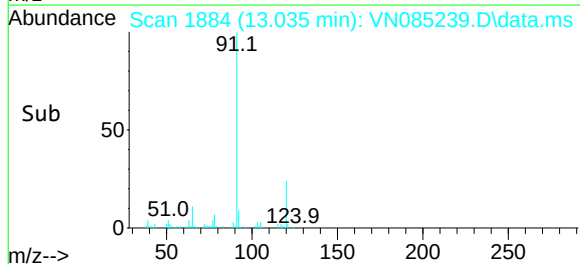
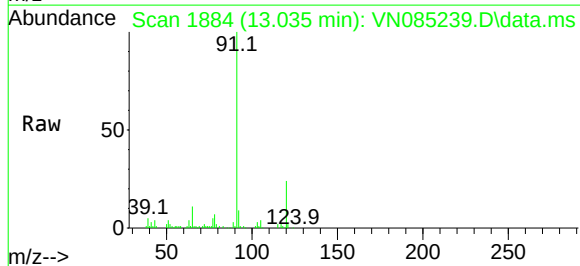
Ion Ratio Lower Upper

91 100

120 22.1 11.3 33.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

#80

1,3,5-Trimethylbenzene

Concen: 15.299 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085239.D

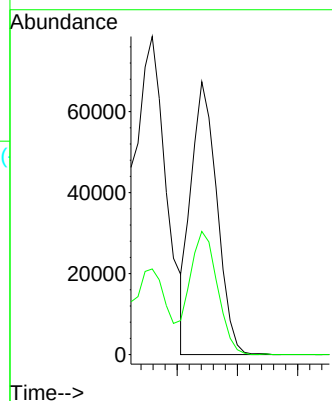
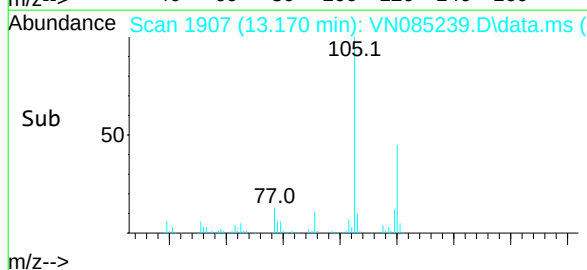
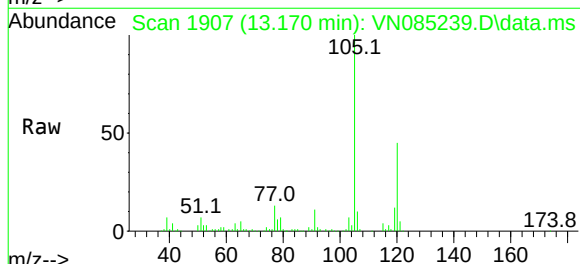
Acq: 17 Dec 2024 21:11

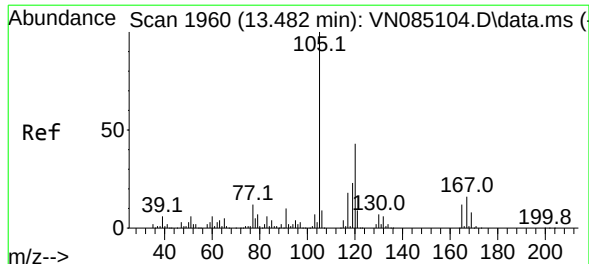
Tgt Ion:105 Resp: 100779

Ion Ratio Lower Upper

105 100

120 49.8 23.6 71.0





#84

1,2,4-Trimethylbenzene

Concen: 101.901 ug/l

RT: 13.482 min Scan# 19

Delta R.T. 0.006 min

Lab File: VN085239.D

Acq: 17 Dec 2024 21:11

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213

Tgt Ion:105 Resp: 690950

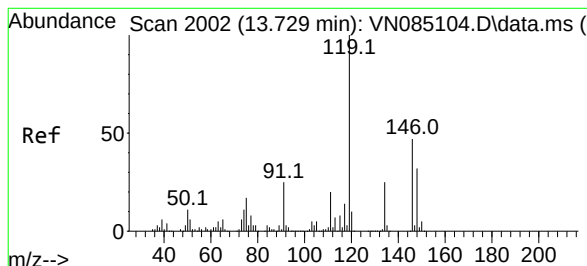
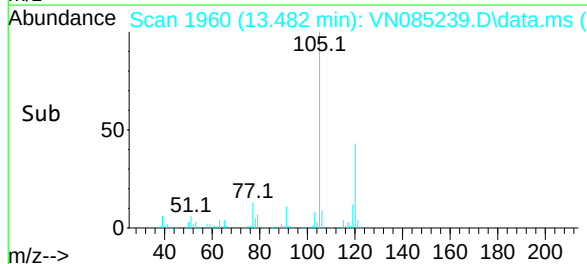
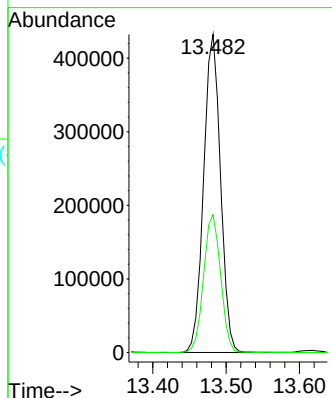
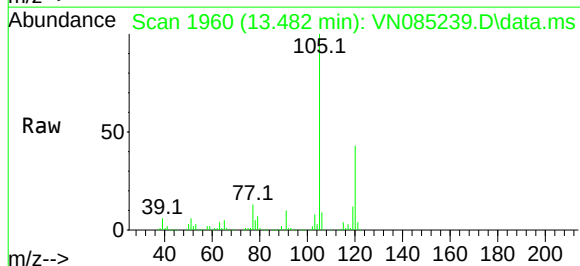
Ion Ratio Lower Upper

105 100

120 43.8 21.8 65.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

#86

p-Isopropyltoluene

Concen: 0.965 ug/l m

RT: 13.723 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VN085239.D

Acq: 17 Dec 2024 21:11

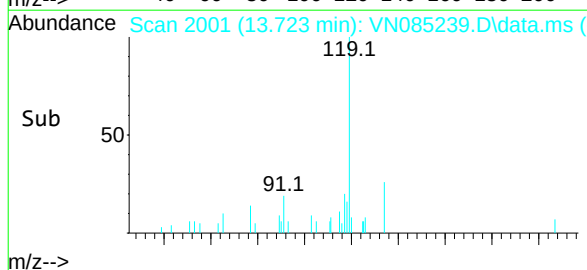
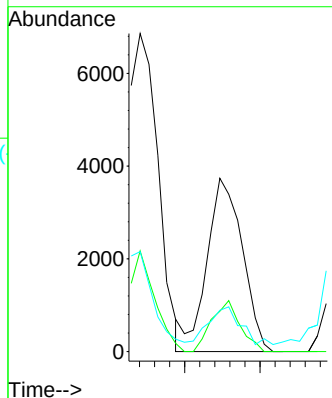
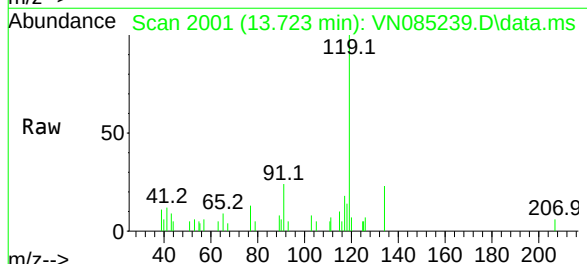
Tgt Ion:119 Resp: 6102

Ion Ratio Lower Upper

119 100

134 47.0 13.0 39.0#

91 45.3 12.8 38.4#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085239.D
 Acq On : 17 Dec 2024 21:11
 Operator : JC\MD
 Sample : P5291-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Title : SW846 8260

Signal : TIC: VN085239.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.318	50	62	75	rBV3	47760	160201	2.61%	0.437%
2	2.506	84	94	101	rVB	73586	117728	1.92%	0.321%
3	3.242	210	219	233	rVB2	202400	461643	7.53%	1.258%
4	3.648	278	288	299	rBV5	47605	157143	2.56%	0.428%
5	4.148	362	373	386	rBV	74353	201989	3.29%	0.550%
6	5.159	530	545	554	rBV3	22947	75717	1.23%	0.206%
7	5.347	569	577	579	rBV3	50575	120115	1.96%	0.327%
8	5.806	640	655	672	rVB3	97731	340876	5.56%	0.929%
9	6.318	729	742	757	rBV5	21402	66621	1.09%	0.182%
10	6.653	787	799	813	rVB2	29218	86321	1.41%	0.235%
11	7.083	863	872	884	rVB3	26157	71145	1.16%	0.194%
12	7.330	903	914	924	rBV3	99869	307846	5.02%	0.839%
13	8.000	1020	1028	1038	rVB2	49968	122674	2.00%	0.334%
14	8.165	1046	1056	1060	rBV2	124176	283330	4.62%	0.772%
15	8.224	1060	1066	1078	rVV3	263340	743311	12.12%	2.025%
16	8.330	1078	1084	1091	rVV2	52785	126313	2.06%	0.344%
17	8.447	1091	1104	1111	rVV3	54979	136460	2.23%	0.372%
18	8.606	1118	1131	1143	rBV	2325302	5386687	87.85%	14.677%
19	8.777	1143	1160	1168	rVV2	514681	1489514	24.29%	4.059%
20	8.853	1168	1173	1181	rVV3	41035	98611	1.61%	0.269%
21	9.100	1206	1215	1227	rBV	364078	811137	13.23%	2.210%
22	9.600	1282	1300	1316	rBV3	143186	462983	7.55%	1.262%
23	10.012	1365	1370	1379	rVB	58939	126026	2.06%	0.343%
24	10.100	1379	1385	1389	rBV2	78383	160308	2.61%	0.437%
25	10.147	1389	1393	1399	rVB3	77714	138274	2.26%	0.377%
26	10.341	1415	1426	1428	rBV6	36680	80318	1.31%	0.219%
27	10.406	1432	1437	1441	rVV	95478	196243	3.20%	0.535%
28	10.453	1441	1445	1449	rVV	66017	117799	1.92%	0.321%
29	10.565	1457	1464	1469	rBV	521360	962132	15.69%	2.622%
30	10.629	1469	1475	1485	rVV	702232	1318204	21.50%	3.592%
31	10.729	1485	1492	1502	rVB4	71772	201101	3.28%	0.548%
32	10.982	1528	1535	1545	rVB5	59454	161718	2.64%	0.441%
33	11.865	1676	1685	1691	rBV	430367	787171	12.84%	2.145%
34	11.965	1695	1702	1711	rVV	1463522	2501545	40.80%	6.816%
35	12.065	1711	1719	1731	rVV	3083247	6131356	100.00%	16.706%
36	12.206	1738	1743	1750	rVB3	36894	68301	1.11%	0.186%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

37	12.394	1763	1775	1783	rBV	1197152	2037696	33.23%	5.552%
38	12.694	1821	1826	1831	rVB	77233	127652	2.08%	0.348%
39	12.847	1844	1852	1862	rBV	358167	632942	10.32%	1.725%
40	13.035	1878	1884	1889	rBV	91057	146604	2.39%	0.399%
41	13.094	1889	1894	1897	rVV	200804	337779	5.51%	0.920%
42	13.129	1897	1900	1903	rVV	194196	295011	4.81%	0.804%
43	13.170	1903	1907	1914	rVB	198721	323268	5.27%	0.881%
44	13.335	1926	1935	1944	rBV	496472	822719	13.42%	2.242%
45	13.482	1953	1960	1966	rBV	1192096	1907269	31.11%	5.197%
46	13.794	2006	2013	2015	rBV	419180	785592	12.81%	2.141%
47	13.817	2015	2017	2033	rVB	434806	605837	9.88%	1.651%
48	13.947	2033	2039	2042	rBV	85882	150043	2.45%	0.409%
49	13.994	2042	2047	2062	rVB3	448596	1034870	16.88%	2.820%
50	14.176	2072	2078	2084	rVV2	103485	181050	2.95%	0.493%
51	14.241	2084	2089	2092	rVV	106961	186266	3.04%	0.508%
52	14.270	2092	2094	2099	rVV	102040	134350	2.19%	0.366%
53	14.329	2099	2104	2110	rVB	178394	279277	4.55%	0.761%
54	14.441	2118	2123	2131	rVB2	153624	268659	4.38%	0.732%
55	14.570	2140	2145	2151	rVB3	44666	71205	1.16%	0.194%
56	14.653	2151	2159	2162	rBV	123554	207007	3.38%	0.564%
57	14.688	2162	2165	2170	rVV	162978	258701	4.22%	0.705%
58	14.923	2200	2205	2210	rBV	89648	147129	2.40%	0.401%
59	15.047	2217	2226	2232	rBV3	135236	335560	5.47%	0.914%
60	15.111	2232	2237	2246	rVB4	26284	62617	1.02%	0.171%
61	15.317	2261	2272	2277	rBV3	59521	150521	2.45%	0.410%
62	15.441	2284	2293	2300	rVB4	43276	110864	1.81%	0.302%
63	15.635	2319	2326	2335	rVB	165678	321132	5.24%	0.875%

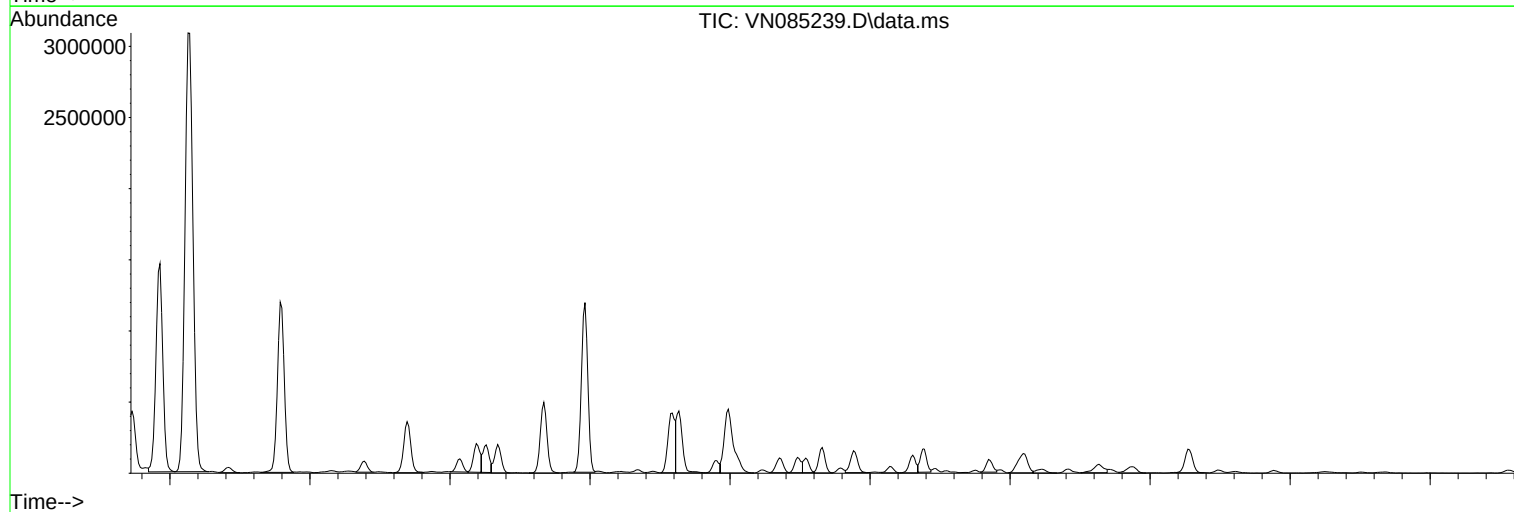
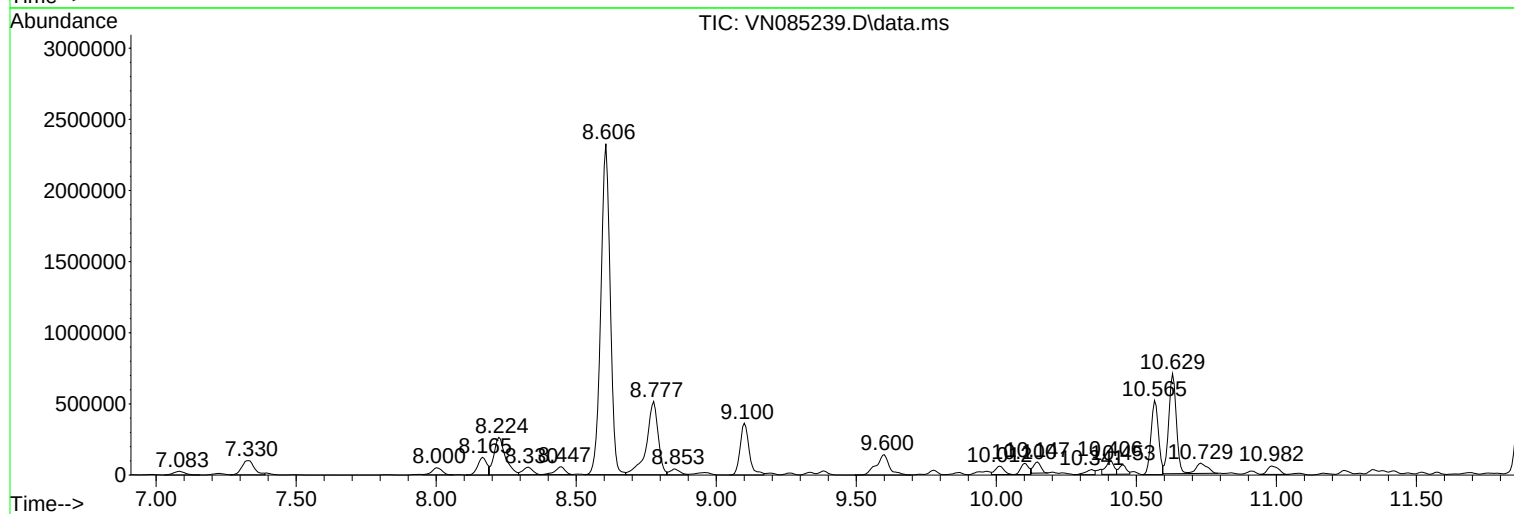
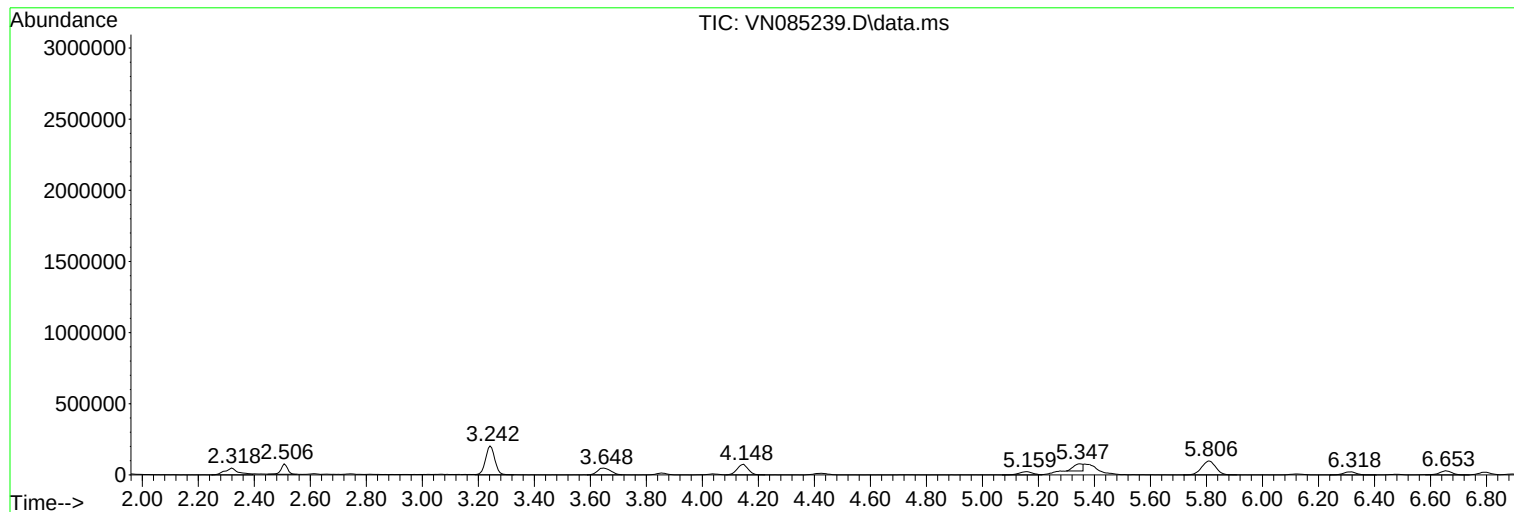
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Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

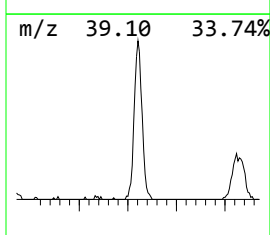
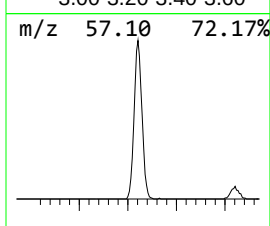
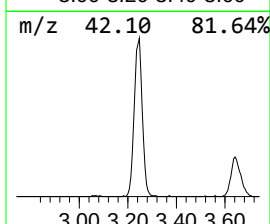
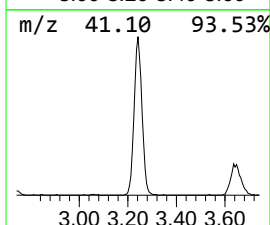
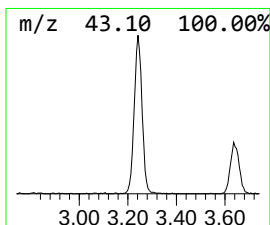
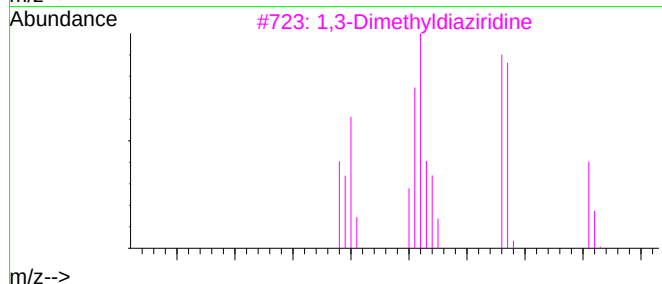
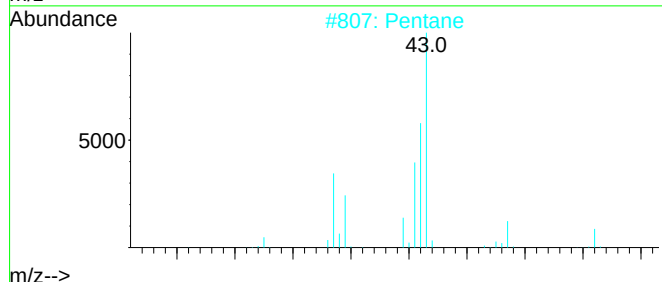
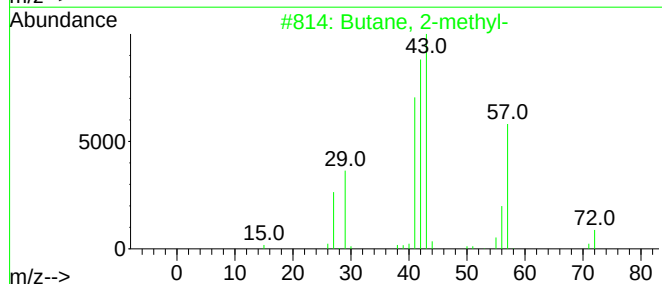
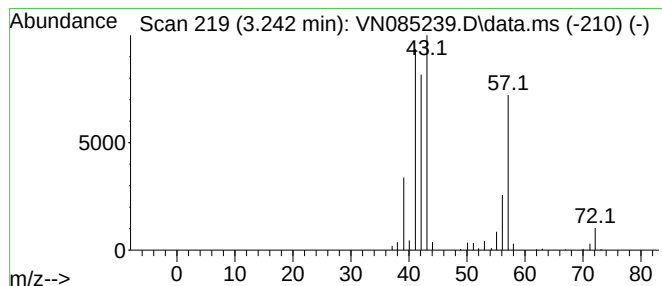
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Quant Title : SW846 8260

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

Peak Number 1 Butane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.242	31.05 ug/l	461643	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	Pentane	72	C5H12	000109-66-0	45
3	1,3-Dimethyldiaziridine	72	C3H8N2	026177-36-6	33
4	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	28
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

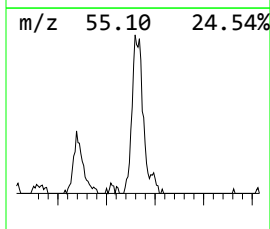
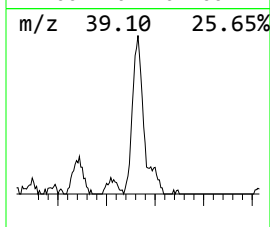
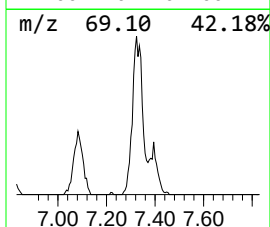
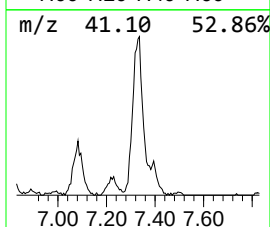
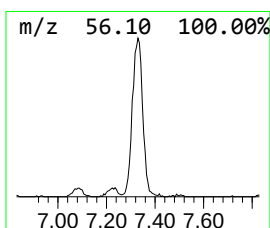
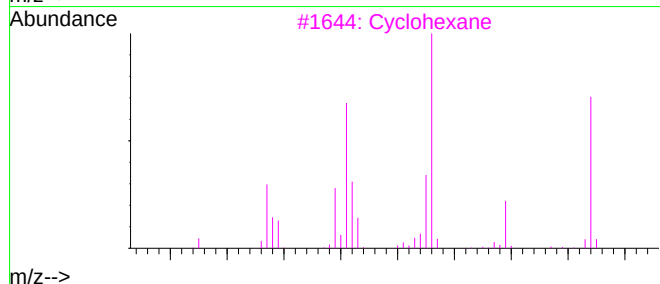
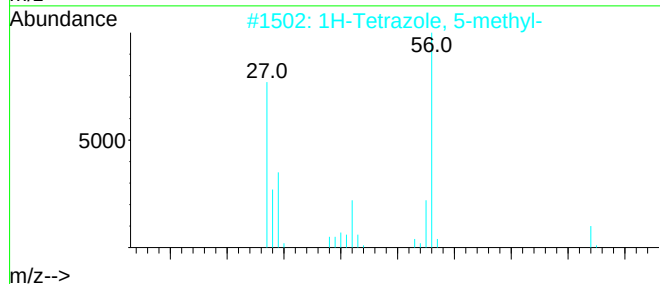
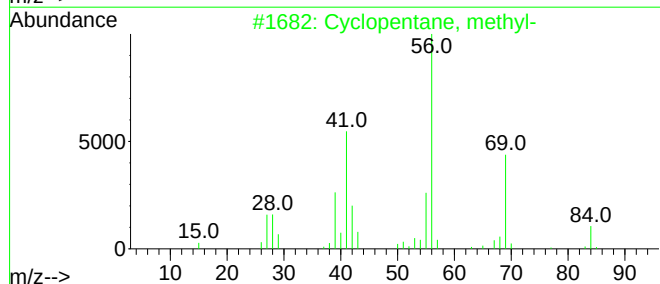
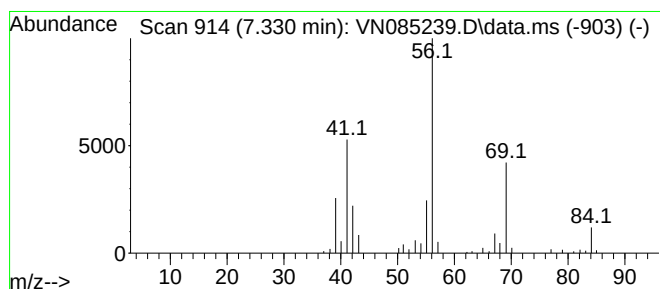
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclopentane, methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.330	20.71 ug/l	307846	Pentafluorobenzene	8.224	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclohexane	84	C6H12	000110-82-7	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclobutane	56	C4H8	000287-23-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

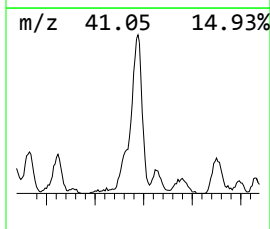
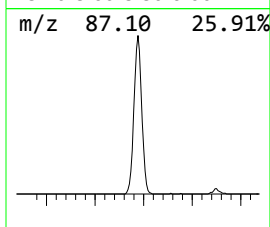
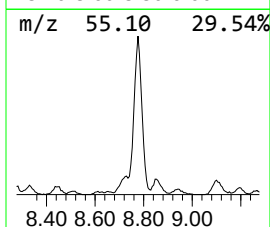
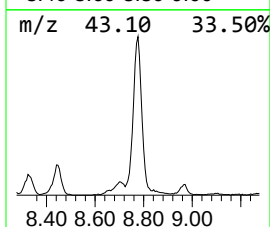
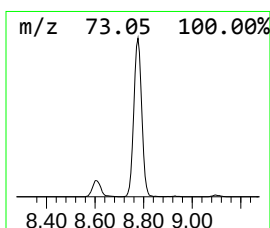
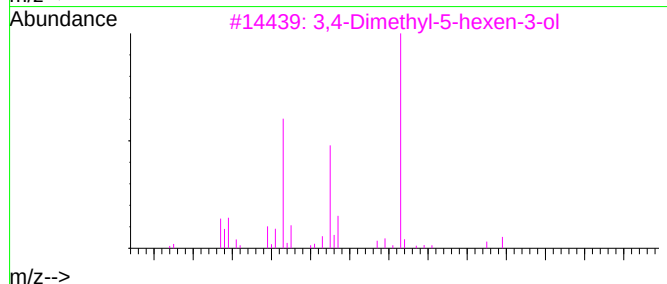
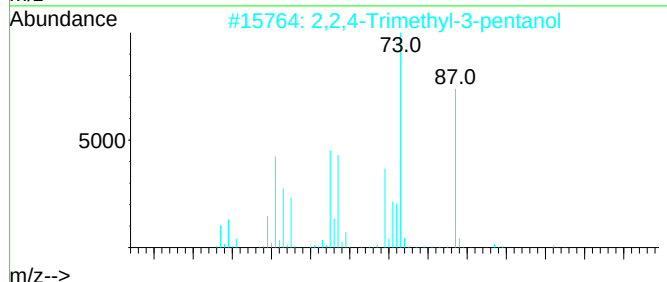
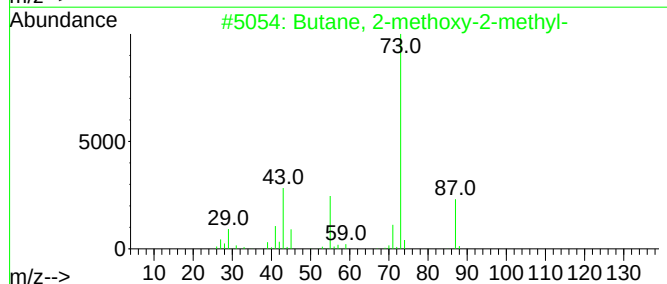
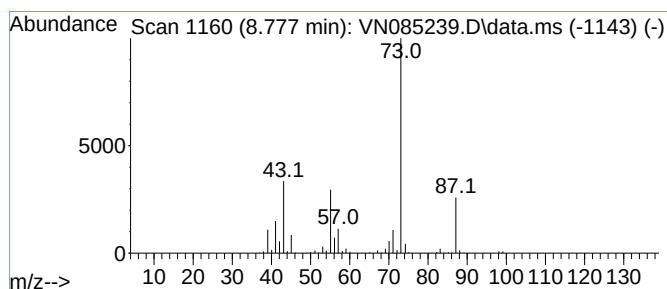
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.777	91.82 ug/l	1489510	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	64
3	3,4-Dimethyl-5-hexen-3-ol	128	C8H16O	001569-45-5	35
4	meso-2,5-Dimethyl-3,4-hexanediol	146	C8H18O2	022520-38-3	25
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

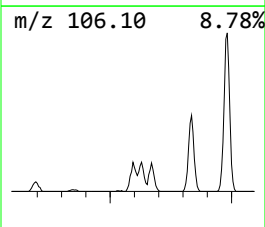
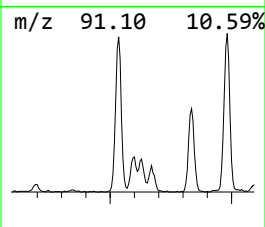
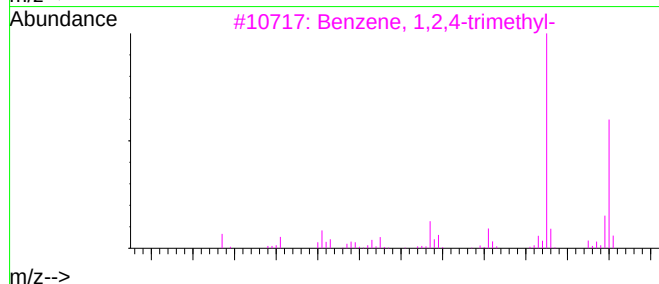
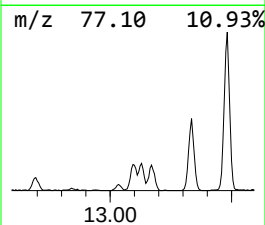
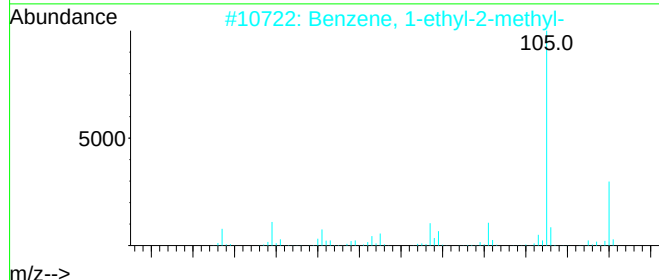
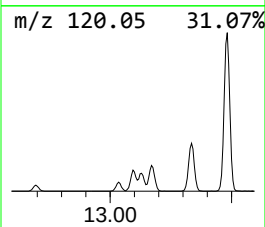
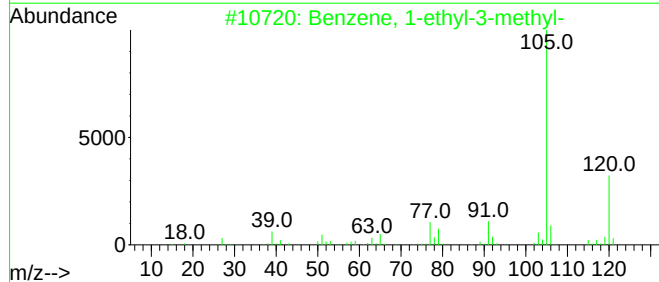
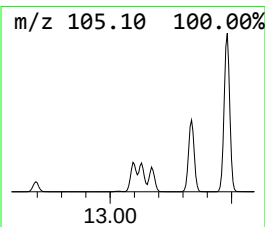
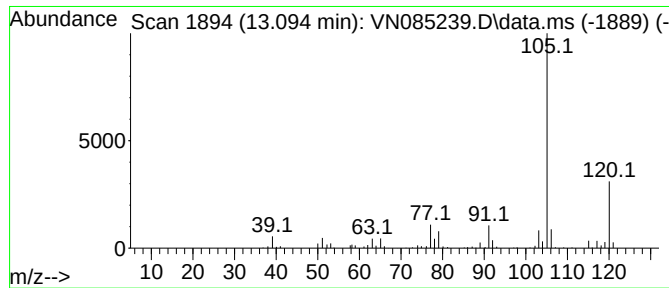
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.094	21.50 ug/l	337779	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Mesitylene	120	C9H12	000108-67-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
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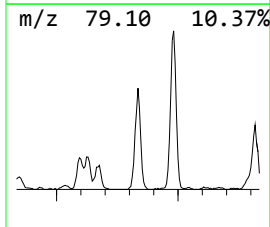
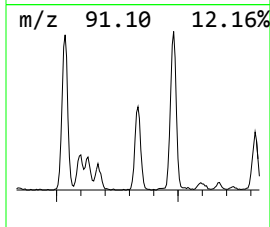
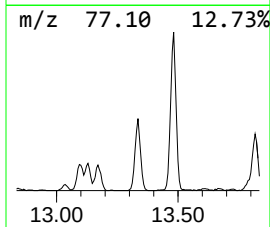
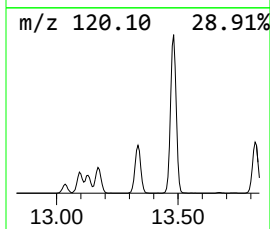
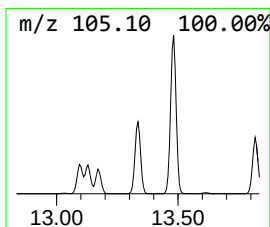
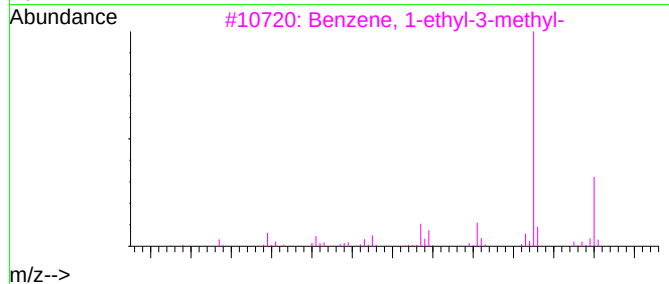
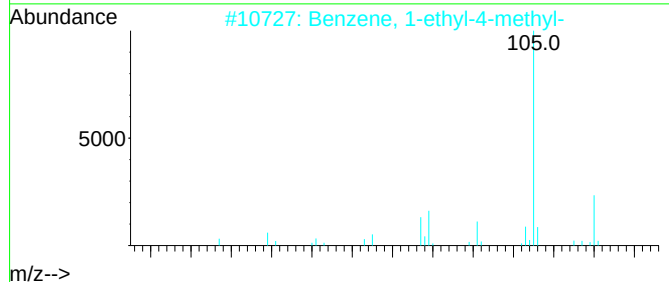
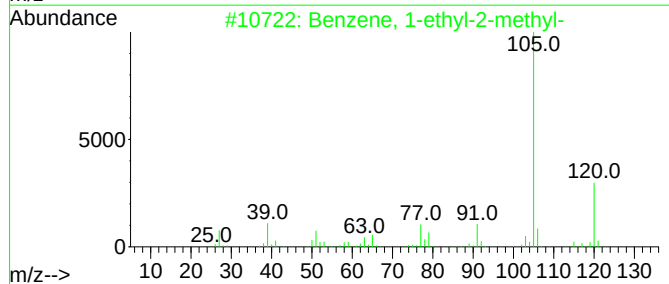
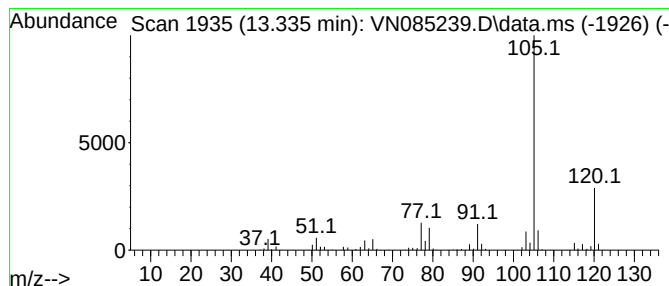
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.335	52.36 ug/l	822719	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
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ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId :
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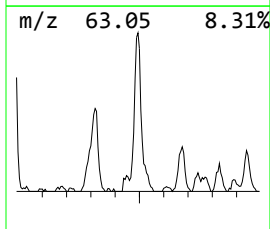
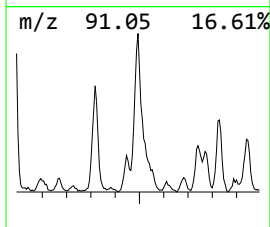
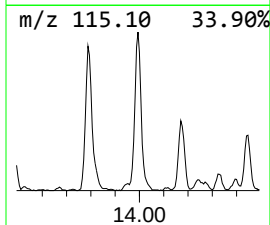
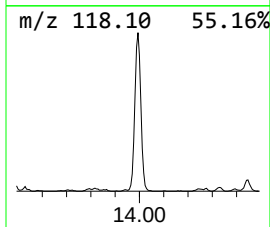
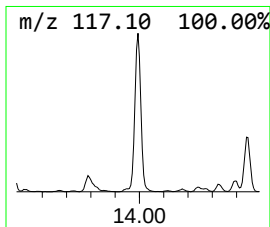
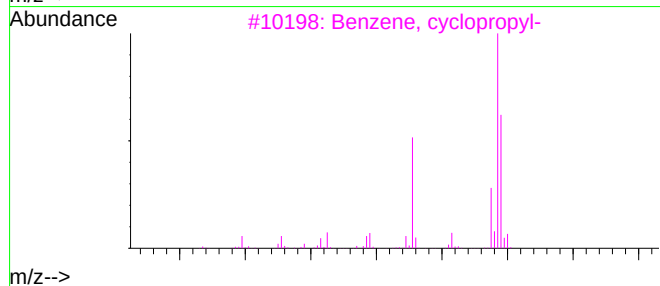
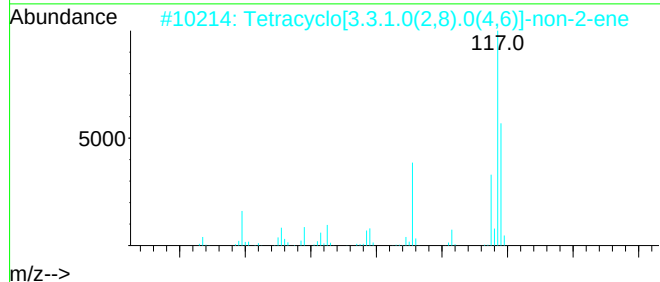
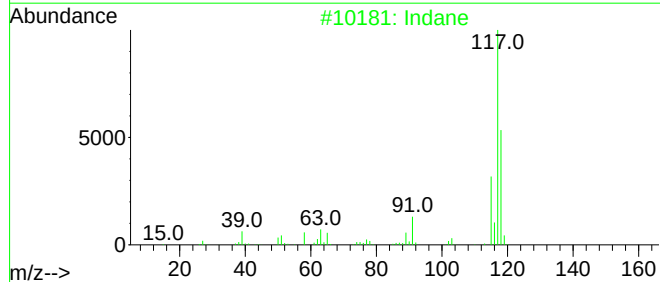
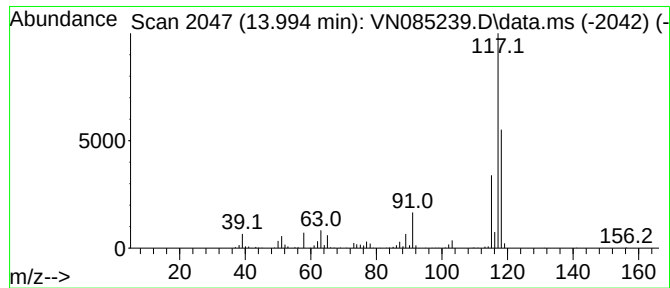
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Quant Title : SW846 8260

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

Peak Number 6 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	65.87 ug/l	1034870	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	59
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	59
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
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Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

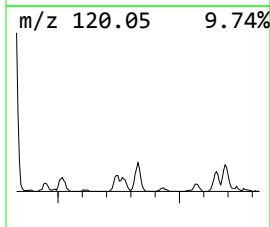
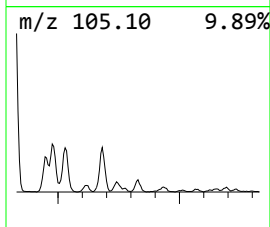
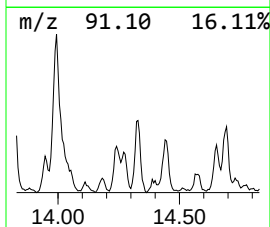
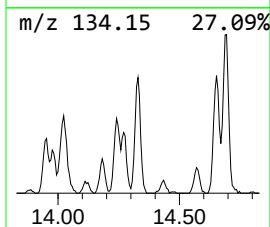
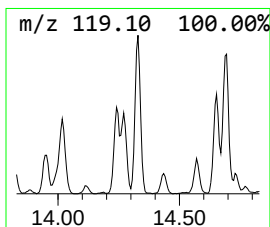
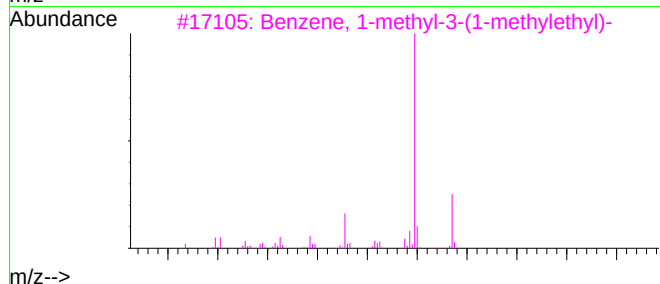
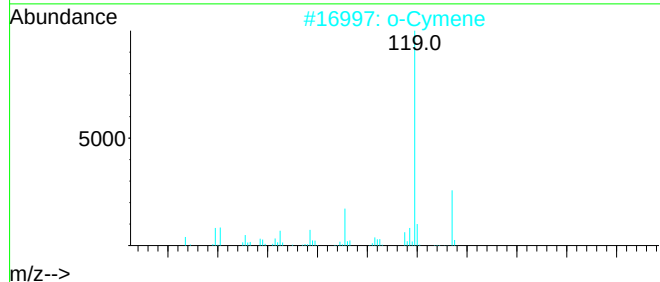
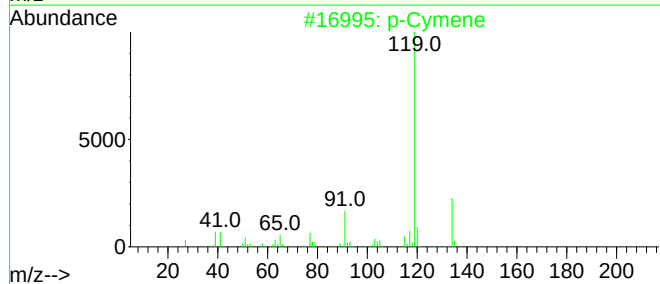
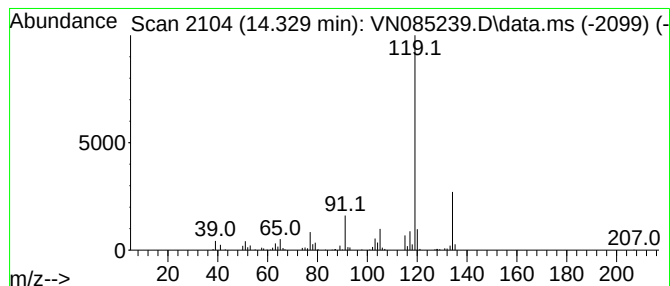
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Quant Title : SW846 8260

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

Peak Number 7 p-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.329	17.77 ug/l	279277	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

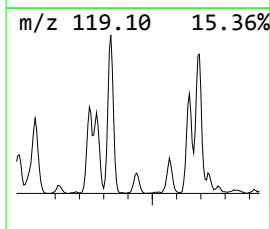
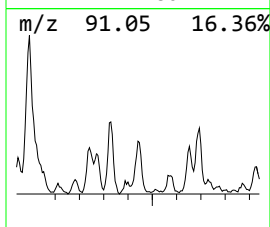
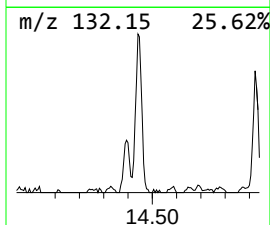
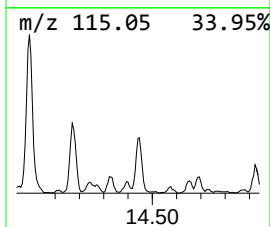
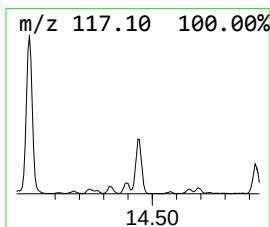
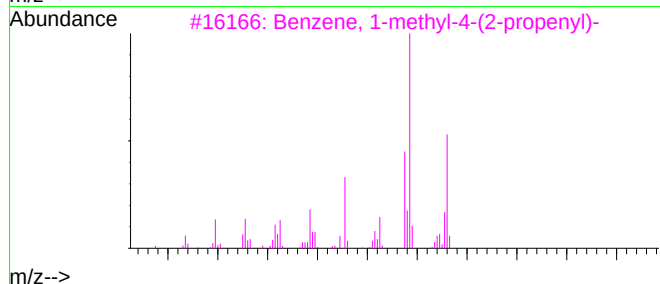
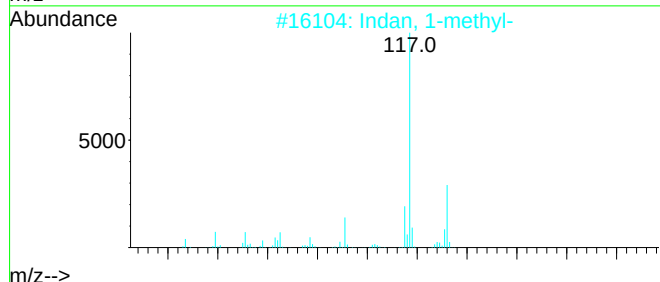
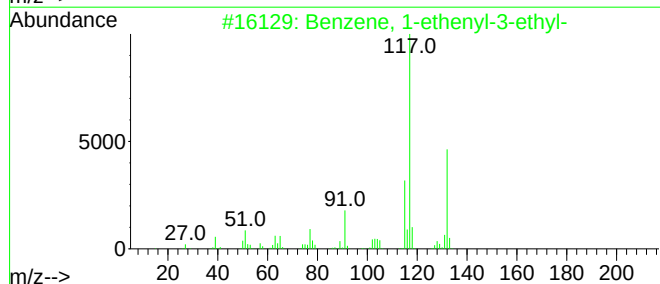
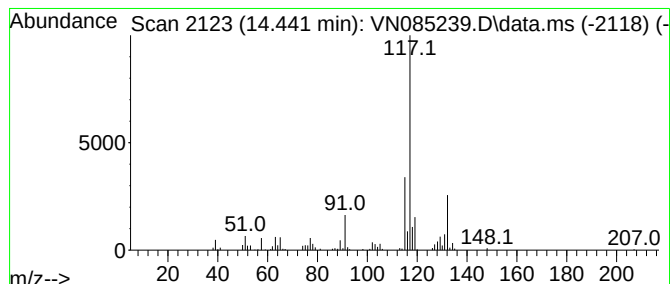
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.441	17.10 ug/l	268659	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	80
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

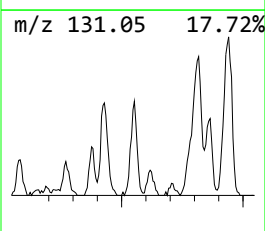
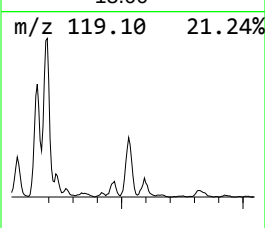
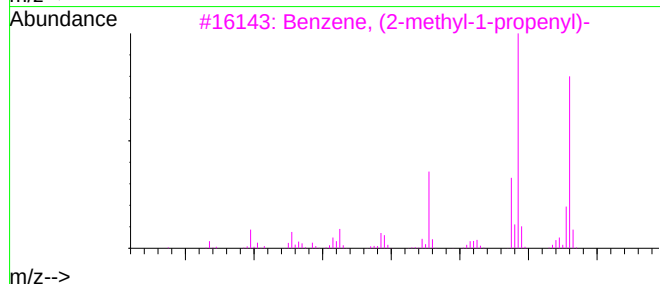
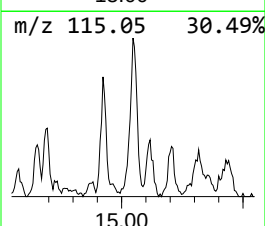
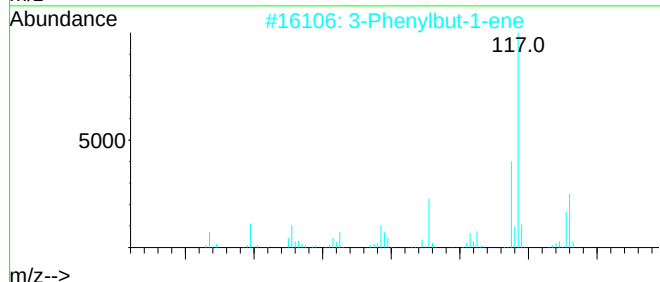
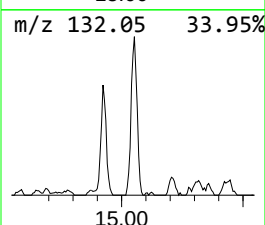
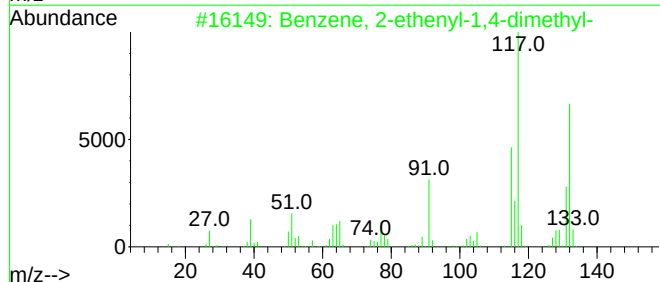
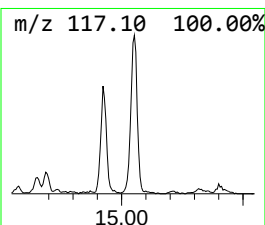
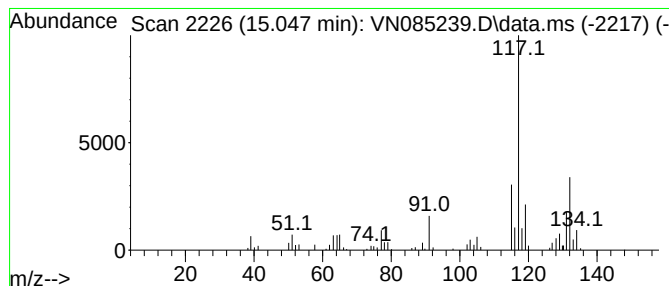
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.047	21.36 ug/l	335560	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	78
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085239.D
Acq On : 17 Dec 2024 21:11
Operator : JC\MD
Sample : P5291-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methyl-	3.242	31.1	ug/l	461643	1	8.224	743311	50.0
Cyclopentane, m...	7.330	20.7	ug/l	307846	1	8.224	743311	50.0
Butane, 2-metho...	8.777	91.8	ug/l	1489510	2	9.100	811137	50.0
Benzene, 1-ethy...	13.094	21.5	ug/l	337779	4	13.788	785592	50.0
Benzene, 1-ethy...	13.335	52.4	ug/l	822719	4	13.788	785592	50.0
Indane	13.994	65.9	ug/l	1034870	4	13.788	785592	50.0
p-Cymene	14.329	17.8	ug/l	279277	4	13.788	785592	50.0
Benzene, 1-ethe...	14.441	17.1	ug/l	268659	4	13.788	785592	50.0
Benzene, 2-ethe...	15.047	21.4	ug/l	335560	4	13.788	785592	50.0

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW6-20241213DL	SDG No.:	P5291
Lab Sample ID:	P5291-07DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085258.D	10		12/18/24 18:20	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	2.10	UD	2.10	10.0	ug/L
74-87-3	Chloromethane	3.50	UD	3.50	10.0	ug/L
75-01-4	Vinyl Chloride	3.40	UD	3.40	10.0	ug/L
74-83-9	Bromomethane	13.6	UD	13.6	50.0	ug/L
75-00-3	Chloroethane	5.60	UD	5.60	10.0	ug/L
75-69-4	Trichlorofluoromethane	3.40	UD	3.40	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	2.50	10.0	ug/L
75-35-4	1,1-Dichloroethene	2.60	UD	2.60	10.0	ug/L
67-64-1	Acetone	13.9	UD	13.9	50.0	ug/L
75-15-0	Carbon Disulfide	3.20	UD	3.20	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	8.70	JD	1.60	10.0	ug/L
79-20-9	Methyl Acetate	6.00	UD	6.00	10.0	ug/L
75-09-2	Methylene Chloride	3.20	UD	3.20	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	2.50	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	10.0	ug/L
110-82-7	Cyclohexane	16.2	UD	16.2	50.0	ug/L
78-93-3	2-Butanone	13.0	UD	13.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	2.50	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	2.50	UD	2.50	10.0	ug/L
74-97-5	Bromochloromethane	1.80	UD	1.80	10.0	ug/L
67-66-3	Chloroform	2.60	UD	2.60	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	1.90	UD	1.90	10.0	ug/L
108-87-2	Methylcyclohexane	21.3	D	1.90	10.0	ug/L
71-43-2	Benzene	340	D	1.60	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.40	UD	2.40	10.0	ug/L
79-01-6	Trichloroethene	3.20	UD	3.20	10.0	ug/L
78-87-5	1,2-Dichloropropane	1.90	UD	1.90	10.0	ug/L
75-27-4	Bromodichloromethane	2.40	UD	2.40	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	7.50	UD	7.50	50.0	ug/L
108-88-3	Toluene	71.3	D	1.80	10.0	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW6-20241213DL	SDG No.:	P5291
Lab Sample ID:	P5291-07DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085258.D	10		12/18/24 18:20	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.10	UD	2.10	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.80	UD	1.80	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	10.0	ug/L
591-78-6	2-Hexanone	11.3	UDQ	11.3	50.0	ug/L
124-48-1	Dibromochloromethane	1.80	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	1.60	UD	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	2.50	UD	2.50	10.0	ug/L
108-90-7	Chlorobenzene	1.30	UD	1.30	10.0	ug/L
100-41-4	Ethyl Benzene	120	D	1.60	10.0	ug/L
179601-23-1	m/p-Xylenes	320	D	3.10	20.0	ug/L
95-47-6	o-Xylene	100	D	1.40	10.0	ug/L
100-42-5	Styrene	1.60	UD	1.60	10.0	ug/L
75-25-2	Bromoform	2.10	UD	2.10	10.0	ug/L
98-82-8	Isopropylbenzene	5.70	JD	1.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.70	UD	2.70	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	2.40	UD	2.40	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	2.70	UD	2.70	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	1.90	UD	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	UD	4.60	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.20	UD	4.20	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.10	UD	5.10	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	47.6		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	100000	8.224			
540-36-3	1,4-Difluorobenzene	187000	9.1			
3114-55-4	Chlorobenzene-d5	158000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	68000	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24	
Client Sample ID:	MW6-20241213DL		SDG No.:	P5291	
Lab Sample ID:	P5291-07DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085258.D	10		12/18/24 18:20	VN121824

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085258.D
 Acq On : 18 Dec 2024 18:20
 Operator : JC\MD
 Sample : P5291-07DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213DL

Quant Time: Dec 19 08:30:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

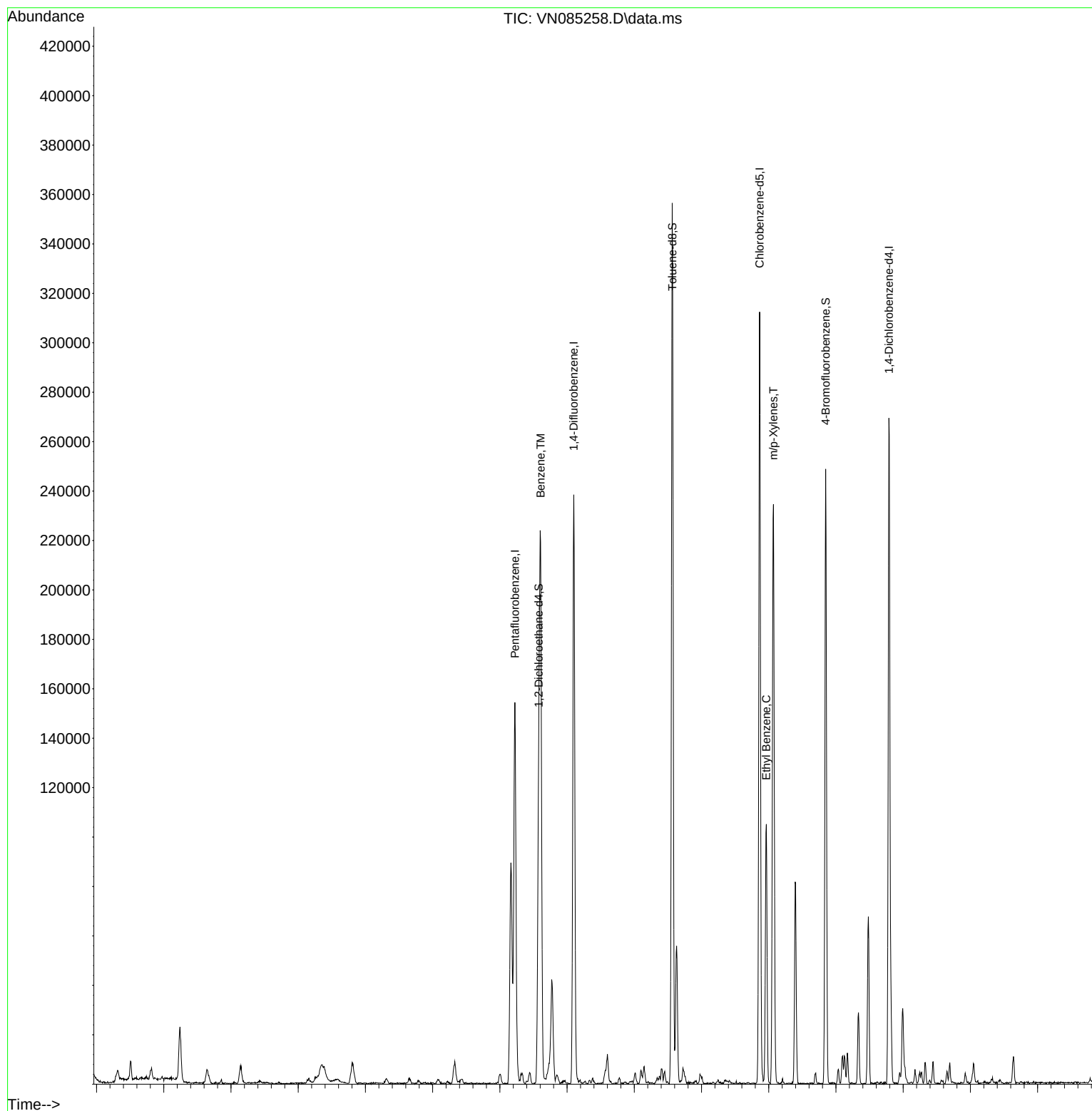
Internal Standards						
1) Pentafluorobenzene	8.224	168	100325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	186563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	158147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	68008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	87643	49.981	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.960%		
35) Dibromofluoromethane	8.165	113	63700	48.565	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.140%		
50) Toluene-d8	10.565	98	228155	47.592	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.180%		
62) 4-Bromofluorobenzene	12.847	95	80665	47.109	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.220%		
Target Compounds						
19) Methyl tert-butyl Ether	5.794	73	3398	0.866	ug/l	# 1
39) Methylcyclohexane	9.600	83	4056	2.134	ug/l	87
40) Benzene	8.606	78	195230	34.360	ug/l	99
52) Toluene	10.629	92	24374	7.134	ug/l	98
67) Ethyl Benzene	11.964	91	74099	12.161	ug/l	100
68) m/p-Xylenes	12.070	106	72580	31.849	ug/l	99
69) o-Xylene	12.400	106	21497	10.036	ug/l	98
73) Isopropylbenzene	12.700	105	2785	0.568	ug/l	93
78) n-propylbenzene	13.029	91	5165	0.858	ug/l	93
80) 1,3,5-Trimethylbenzene	13.170	105	5816	1.421	ug/l	86
84) 1,2,4-Trimethylbenzene	13.482	105	36916	8.826	ug/l	100

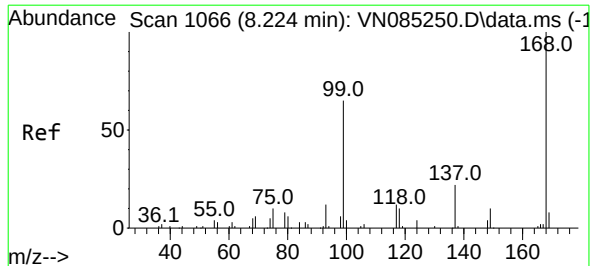
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085258.D
Acq On : 18 Dec 2024 18:20
Operator : JC\MD
Sample : P5291-07DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213DL

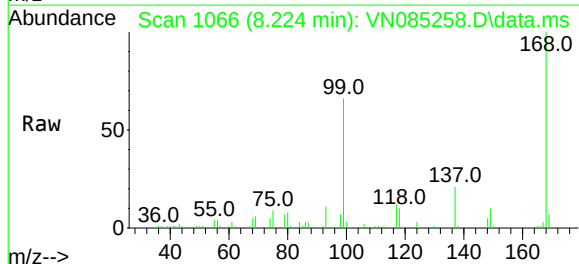
Quant Time: Dec 19 08:30:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration



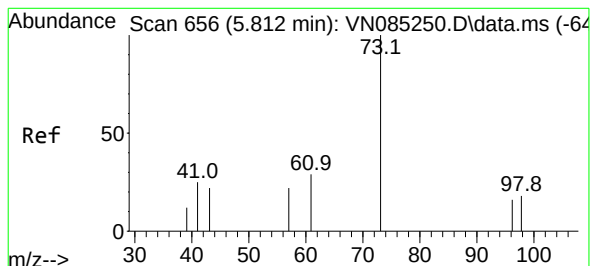
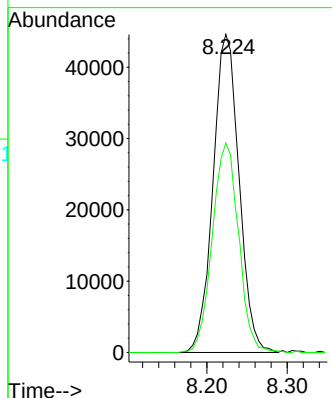
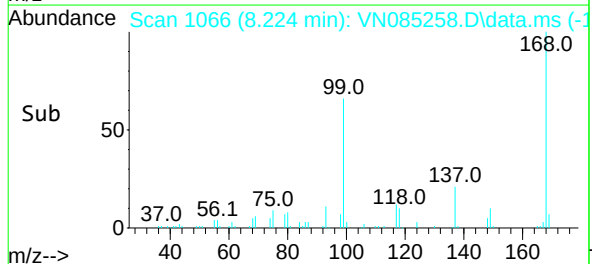


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085258.D
Acq: 18 Dec 2024 18:20

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213DL

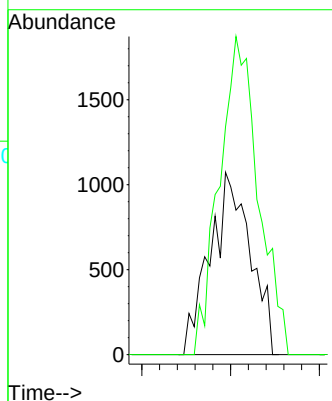
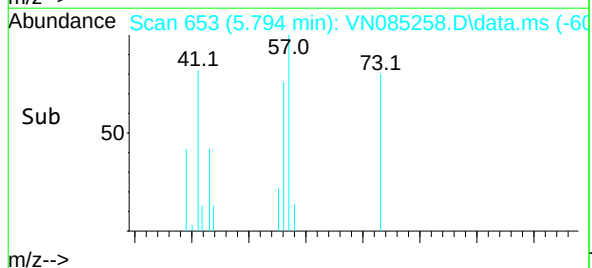
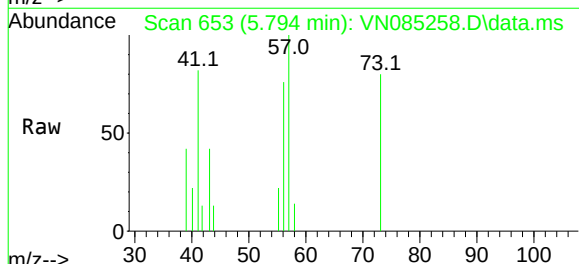


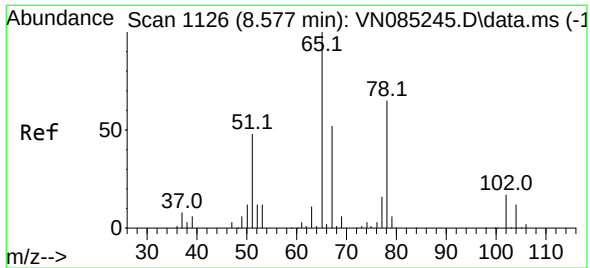
Tgt Ion: 168 Resp: 100325
Ion Ratio Lower Upper
168 100
99 65.8 50.7 76.1



#19
Methyl tert-butyl Ether
Concen: 0.866 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN085258.D
Acq: 18 Dec 2024 18:20

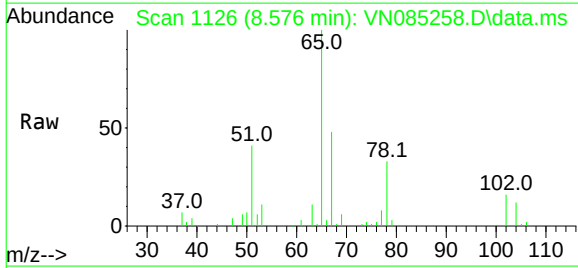
Tgt Ion: 73 Resp: 3398
Ion Ratio Lower Upper
73 100
57 125.0 17.0 25.6#



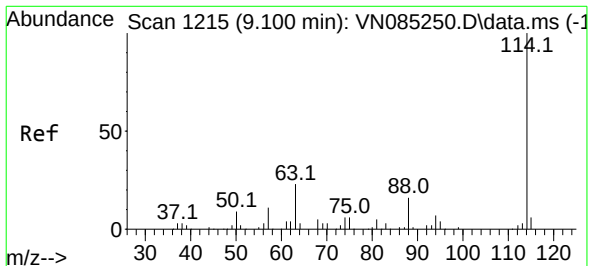
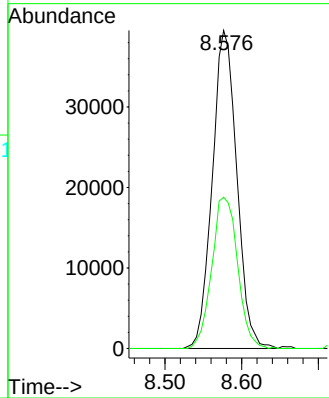
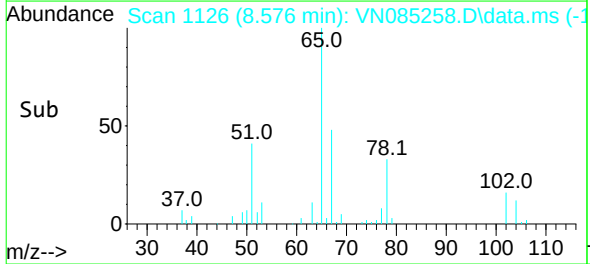


#33
1,2-Dichloroethane-d4
Concen: 49.981 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085258.D
Acq: 18 Dec 2024 18:20

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213DL

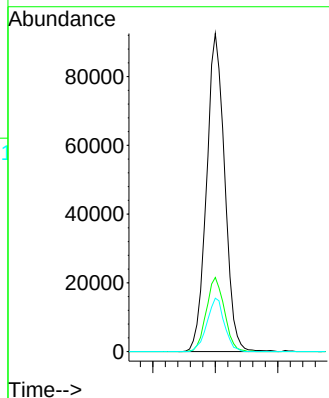
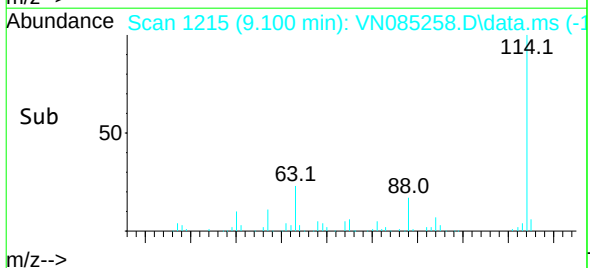
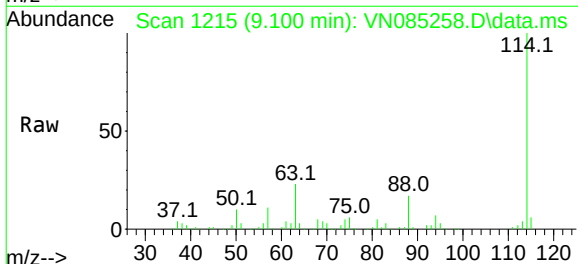


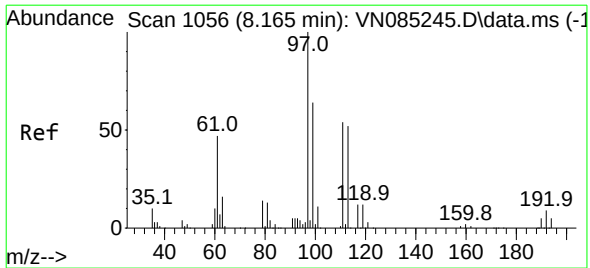
Tgt Ion: 65 Resp: 87643
Ion Ratio Lower Upper
65 100
67 50.2 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085258.D
Acq: 18 Dec 2024 18:20

Tgt Ion: 114 Resp: 186563
Ion Ratio Lower Upper
114 100
63 23.3 0.0 46.2
88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.565 ug/l

RT: 8.165 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN085258.D

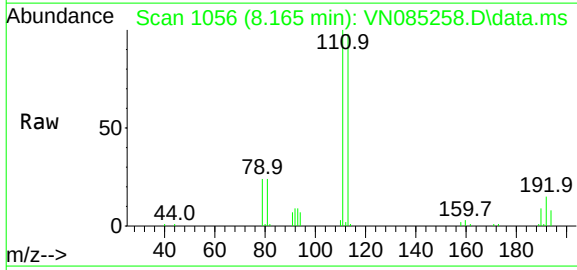
Acq: 18 Dec 2024 18:20

Instrument :

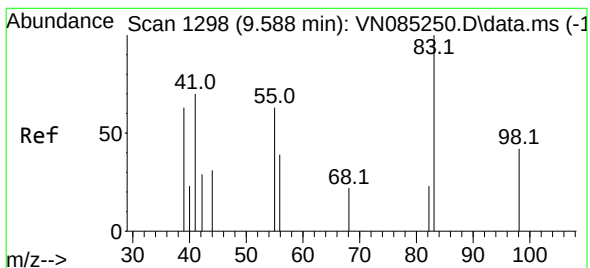
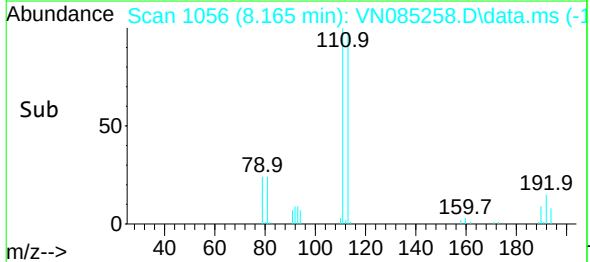
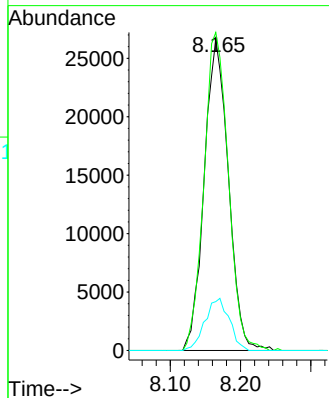
MSVOA_N

ClientSampleId :

MW6-20241213DL



Tgt Ion:	113	Resp:	63700
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	16.8	13.4	20.0



#39

Methylcyclohexane

Concen: 2.134 ug/l

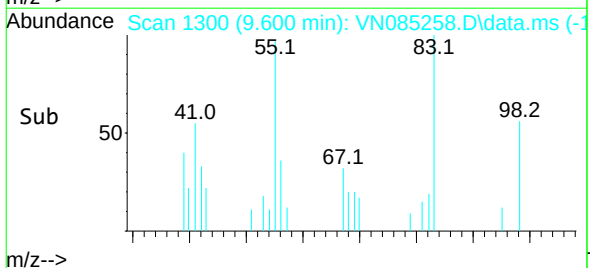
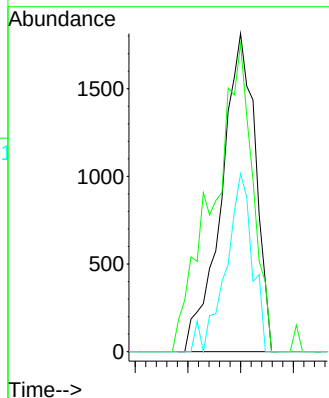
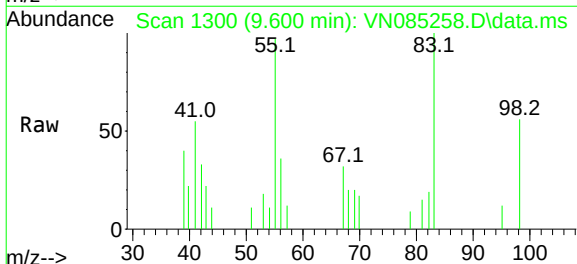
RT: 9.600 min Scan# 1300

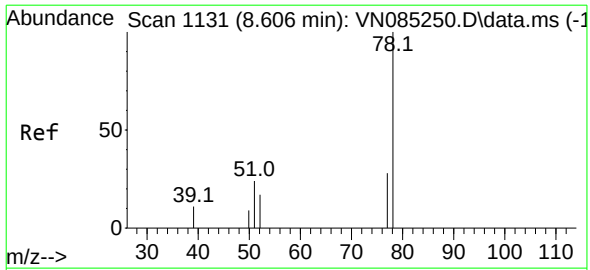
Delta R.T. -0.000 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

Tgt Ion:	83	Resp:	4056
Ion	Ratio	Lower	Upper
83	100		
55	96.8	66.8	100.2
98	55.9	39.4	59.2





#40

Benzene

Concen: 34.360 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

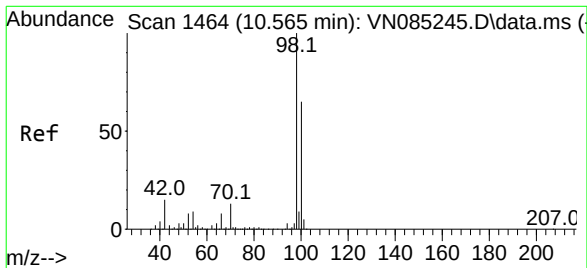
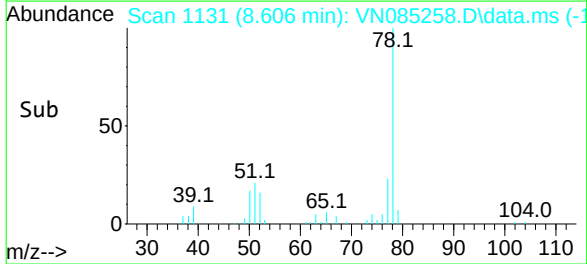
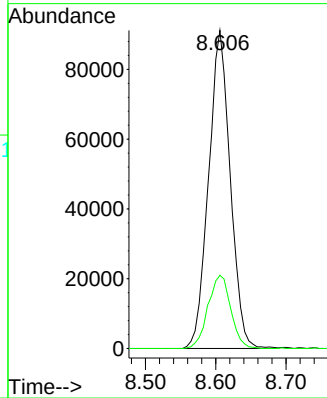
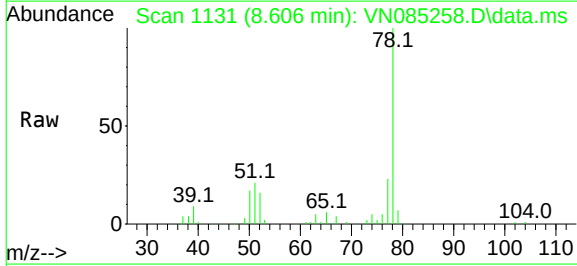
MW6-20241213DL

Tgt Ion: 78 Resp: 195230

Ion Ratio Lower Upper

78 100

77 23.0 18.9 28.3



#50

Toluene-d8

Concen: 47.592 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085258.D

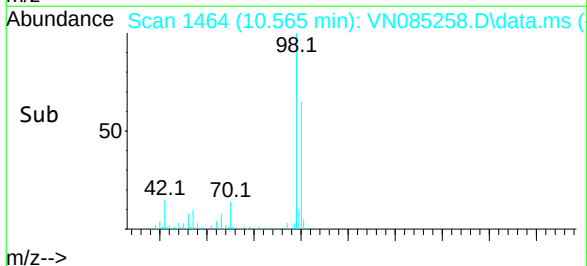
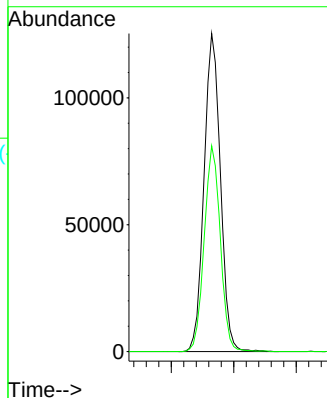
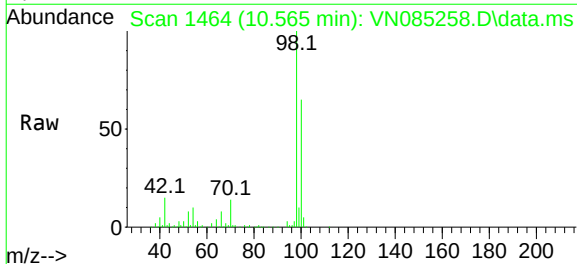
Acq: 18 Dec 2024 18:20

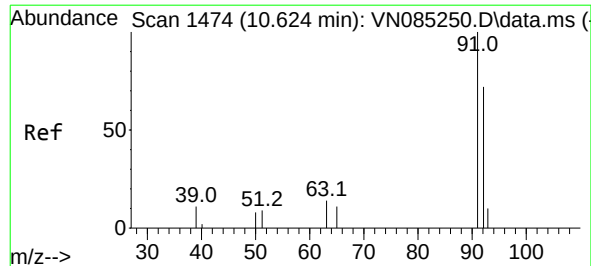
Tgt Ion: 98 Resp: 228155

Ion Ratio Lower Upper

98 100

100 63.6 51.6 77.4





#52

Toluene

Concen: 7.134 ug/l

RT: 10.629 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

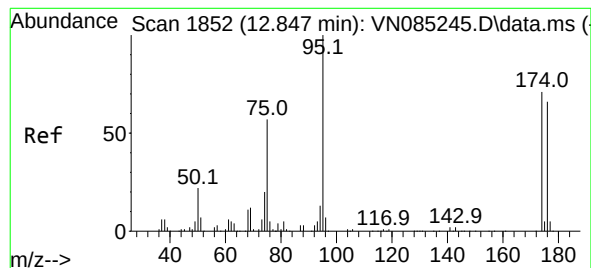
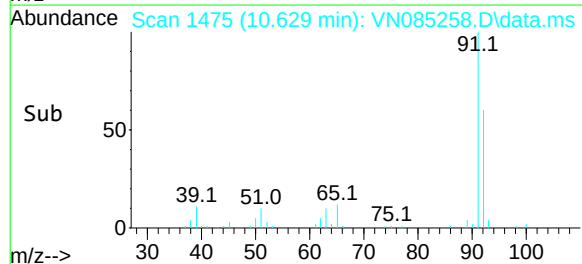
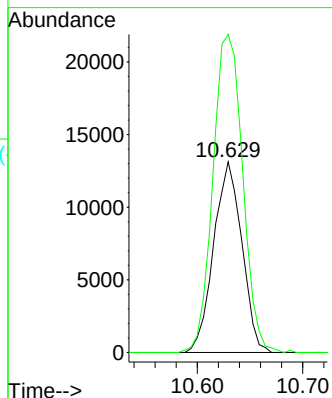
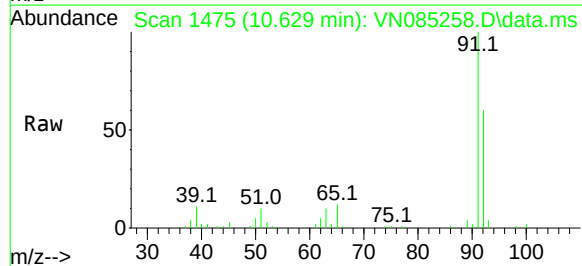
MW6-20241213DL

Tgt Ion: 92 Resp: 24374

Ion Ratio Lower Upper

92 100

91 176.2 138.9 208.3



#62

4-Bromofluorobenzene

Concen: 47.109 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

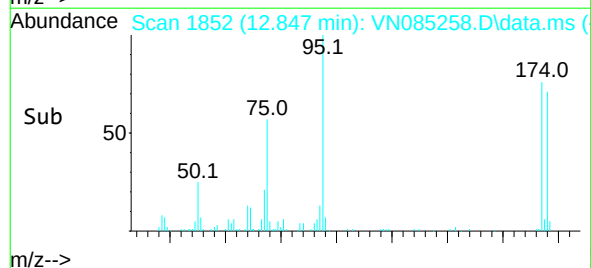
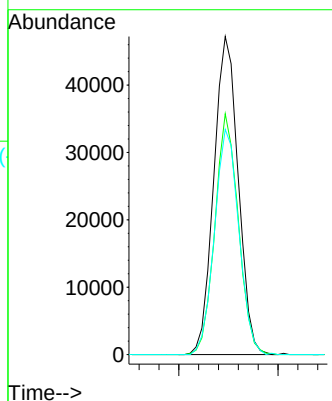
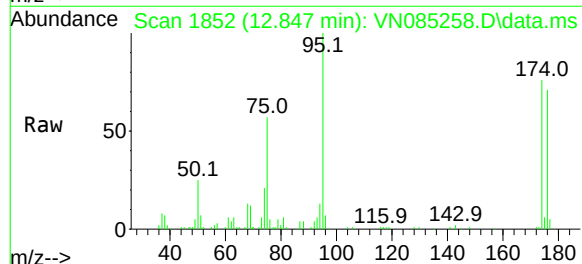
Tgt Ion: 95 Resp: 80665

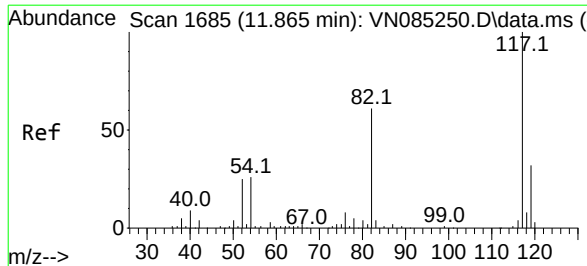
Ion Ratio Lower Upper

95 100

174 72.4 0.0 144.4

176 70.7 0.0 136.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN085258.D

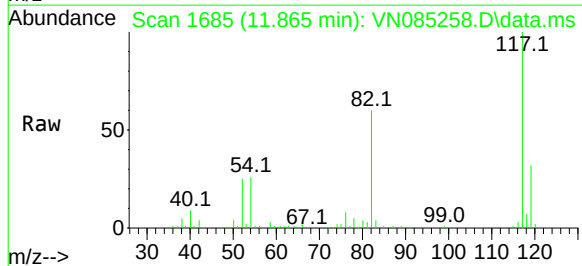
Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213DL



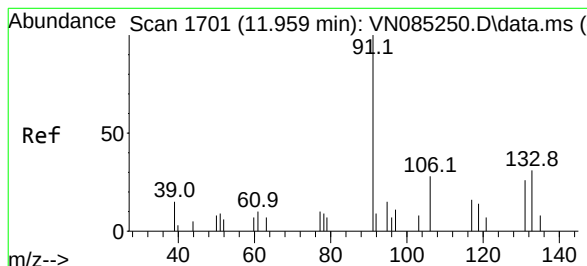
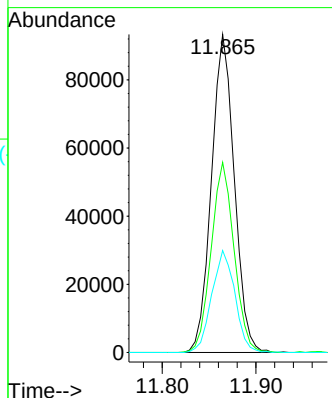
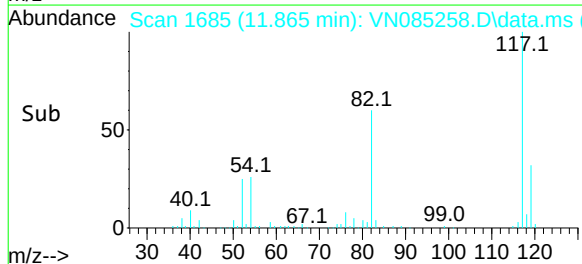
Tgt Ion:117 Resp: 158147

Ion Ratio Lower Upper

117 100

82 59.8 47.4 71.2

119 32.1 25.6 38.4



#67

Ethyl Benzene

Concen: 12.161 ug/l

RT: 11.964 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN085258.D

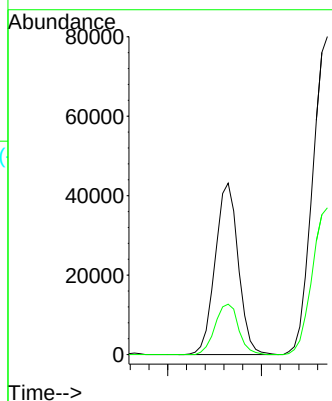
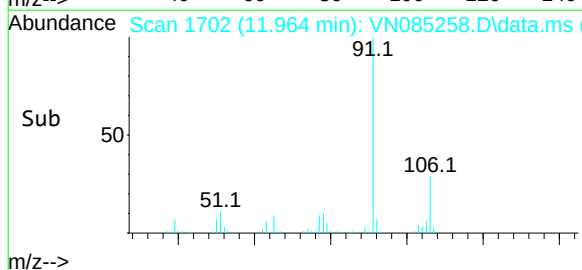
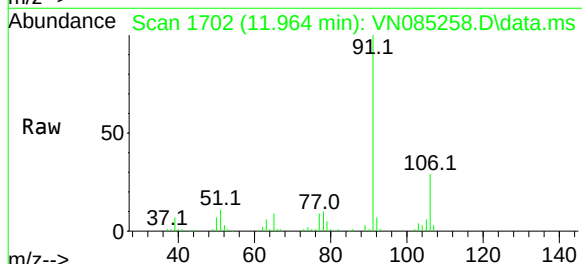
Acq: 18 Dec 2024 18:20

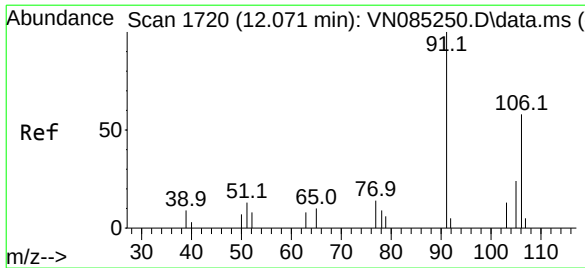
Tgt Ion: 91 Resp: 74099

Ion Ratio Lower Upper

91 100

106 29.4 23.5 35.3





#68

m/p-Xylenes

Concen: 31.849 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. -0.000 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

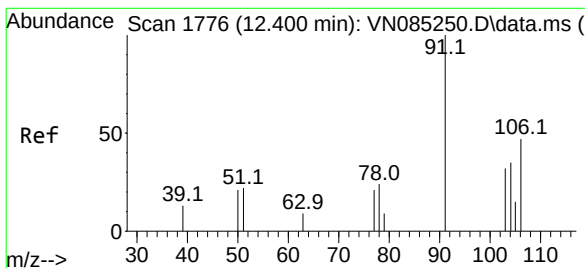
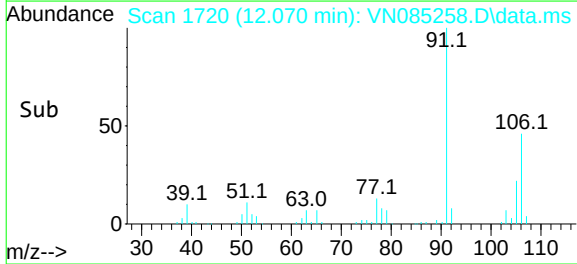
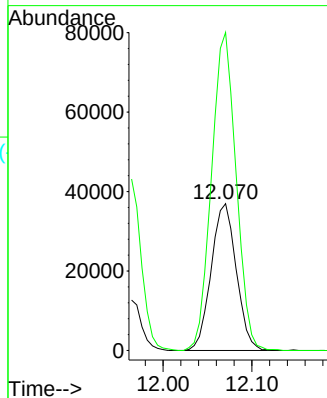
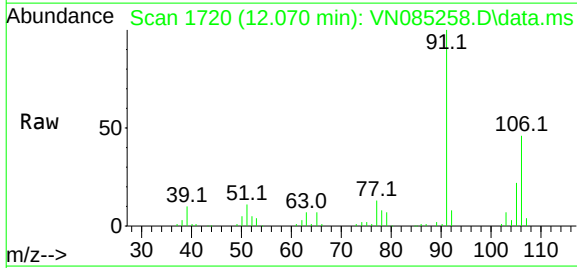
MW6-20241213DL

Tgt Ion:106 Resp: 72580

Ion Ratio Lower Upper

106 100

91 212.0 168.3 252.5



#69

o-Xylene

Concen: 10.036 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN085258.D

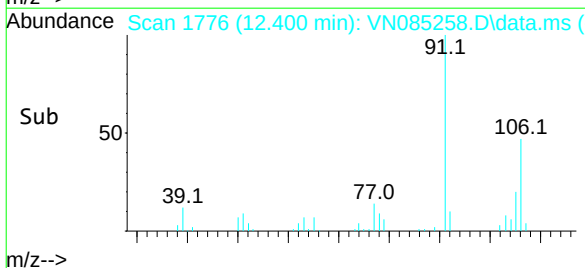
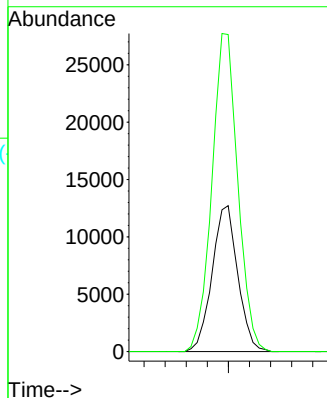
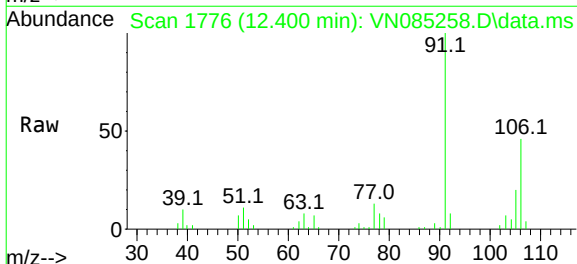
Acq: 18 Dec 2024 18:20

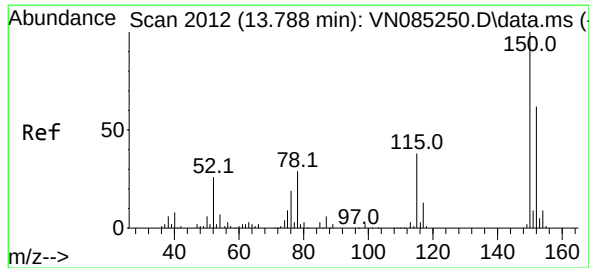
Tgt Ion:106 Resp: 21497

Ion Ratio Lower Upper

106 100

91 220.2 112.1 336.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085258.D

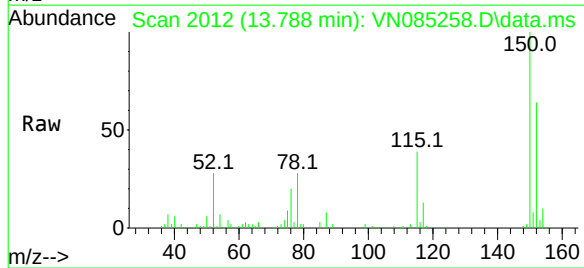
Acq: 18 Dec 2024 18:20

Instrument :

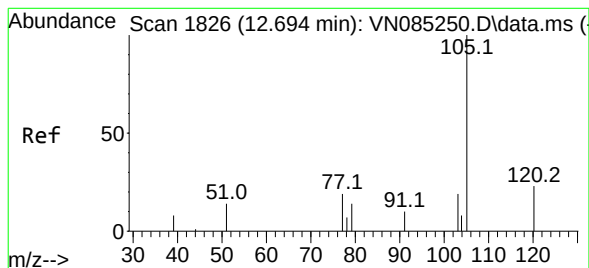
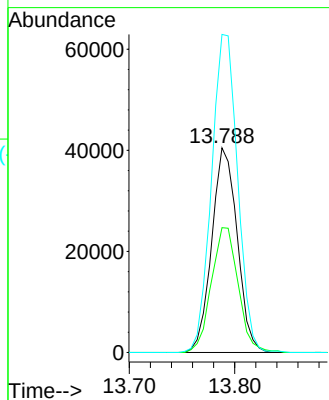
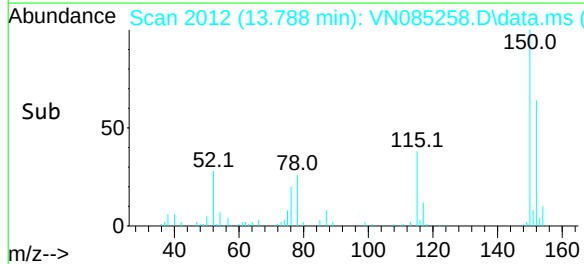
MSVOA_N

ClientSampleId :

MW6-20241213DL



Tgt Ion	152	Resp	68008
Ion	Ratio	Lower	Upper
152	100		
115	64.3	32.1	96.3
150	159.5	0.0	354.6



#73

Isopropylbenzene

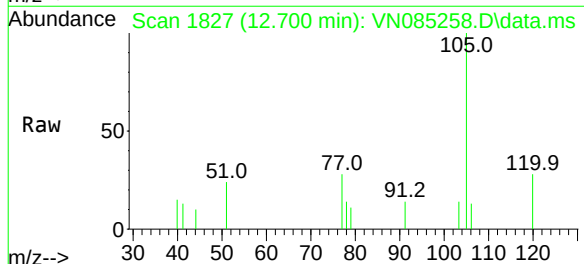
Concen: 0.568 ug/l

RT: 12.700 min Scan# 1827

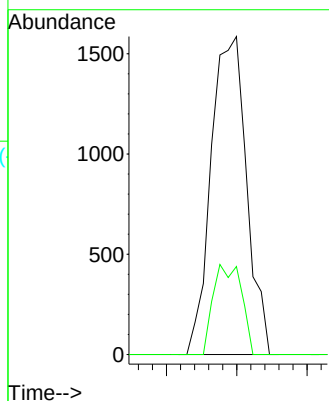
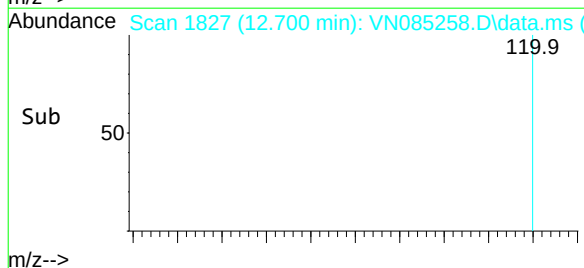
Delta R.T. 0.006 min

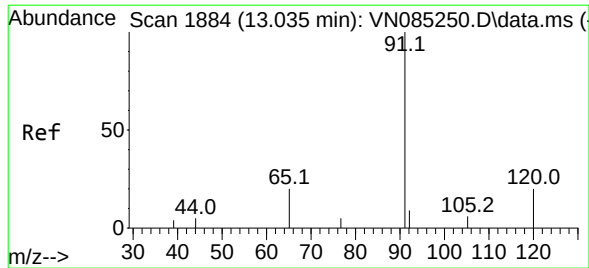
Lab File: VN085258.D

Acq: 18 Dec 2024 18:20



Tgt Ion	105	Resp	2785
Ion	Ratio	Lower	Upper
105	100		
120	22.5	13.0	38.9





#78

n-propylbenzene

Concen: 0.858 ug/l

RT: 13.029 min Scan# 18

Delta R.T. -0.006 min

Lab File: VN085258.D

Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

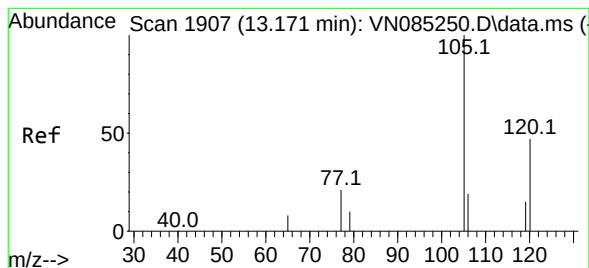
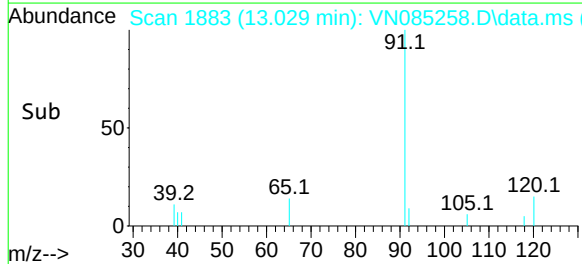
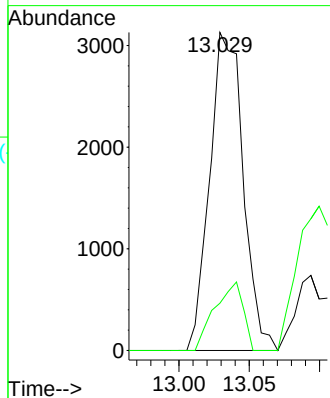
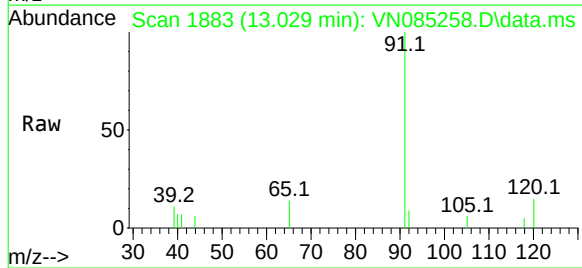
MW6-20241213DL

Tgt Ion: 91 Resp: 5165

Ion Ratio Lower Upper

91 100

120 18.3 10.8 32.3



#80

1,3,5-Trimethylbenzene

Concen: 1.421 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085258.D

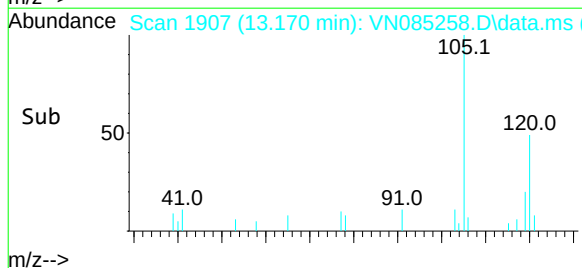
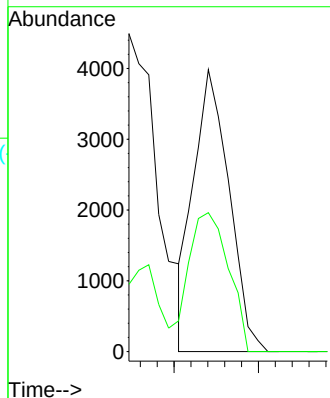
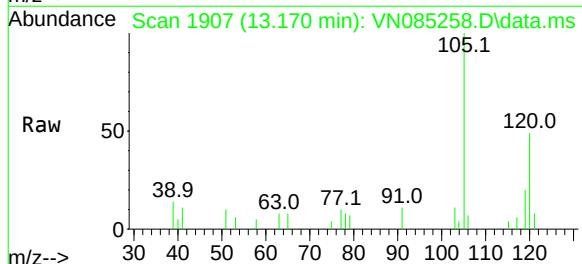
Acq: 18 Dec 2024 18:20

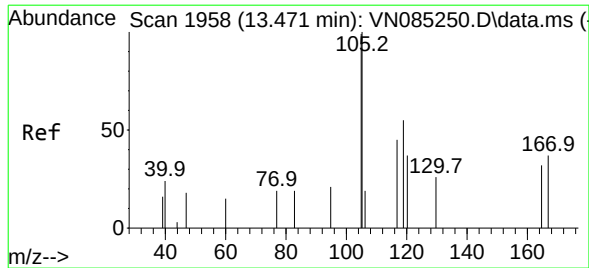
Tgt Ion: 105 Resp: 5816

Ion Ratio Lower Upper

105 100

120 56.3 23.4 70.2





#84

1,2,4-Trimethylbenzene

Concen: 8.826 ug/l

RT: 13.482 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085258.D

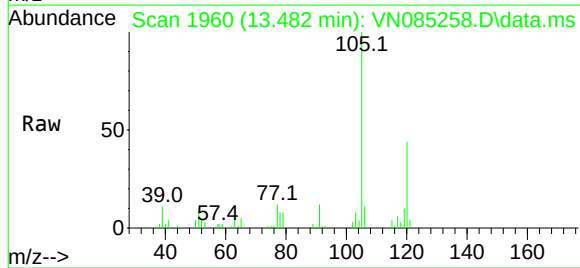
Acq: 18 Dec 2024 18:20

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213DL

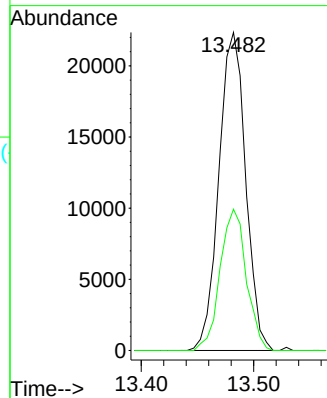
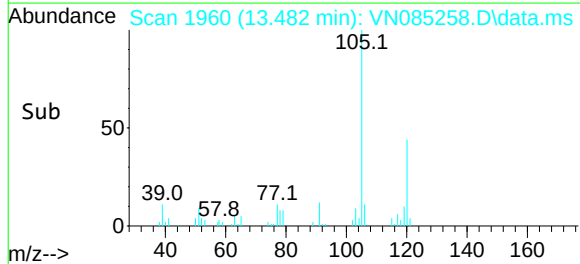


Tgt Ion:105 Resp: 36916

Ion Ratio Lower Upper

105 100

120 43.5 21.8 65.3



Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24	
Client Sample ID:	MW6-20241213-A		SDG No.:	P5291	
Lab Sample ID:	P5291-10		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085235.D	1		12/17/24 19:34	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	UQ	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	UQ	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
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	14.1		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	8.30		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	14.7		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	1.70		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	23.3		0.19	1.00	ug/L
71-43-2	Benzene	310	E	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
108-88-3	Toluene	70.5		0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW6-20241213-A			SDG No.:	P5291
Lab Sample ID:	P5291-10			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085235.D	1		12/17/24 19:34	VN121724

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW6-20241213-A			SDG No.:	P5291
Lab Sample ID:	P5291-10			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085235.D	1		12/17/24 19:34	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000078-78-4	Butane, 2-methyl-	33.1	J		3.25	ug/L
000107-83-5	Pentane, 2-methyl-	33.6	J		5.35	ug/L
000096-37-7	Cyclopentane, methyl-	20.7	J		7.32	ug/L
000994-05-8	Butane, 2-methoxy-2-methyl-	90.1	J		8.78	ug/L
103-65-1	n-propylbenzene	8.90	J		13.0	ug/L
000620-14-4	Benzene, 1-ethyl-3-methyl-	23.7	J		13.1	ug/L
108-67-8	1,3,5-Trimethylbenzene	17.7	J		13.2	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	52.8	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	110	J		13.5	ug/L
99-87-6	p-Isopropyltoluene	0.92	J		13.7	ug/L
000766-90-5	(Z)-1-Phenylpropene	71.0	J		14.0	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	18.9	J		14.3	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	23.1	J		15.0	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085235.D
 Acq On : 17 Dec 2024 19:34
 Operator : JC\MD
 Sample : P5291-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213-A

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 06:54:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	165547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	273247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106344	45.097	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.200%		
35) Dibromofluoromethane	8.165	113	85474	46.386	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.780%		
50) Toluene-d8	10.565	98	326419	49.429	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.860%		
62) 4-Bromofluorobenzene	12.847	95	125345	50.755	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.520%		
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	9702	14.127	ug/l #	69
19) Methyl tert-butyl Ether	5.794	73	47631	8.297	ug/l #	1
30) Chloroform	7.947	83	6320	1.665	ug/l #	54
31) Cyclohexane	8.253	56	46174	14.700	ug/l #	93
39) Methylcyclohexane	9.600	83	60460	23.311	ug/l	91
40) Benzene	8.606	78	2465034	312.263	ug/l	99
52) Toluene	10.629	92	329264	70.457	ug/l	100
67) Ethyl Benzene	11.965	91	1139705	127.905	ug/l	98
68) m/p-Xylenes	12.065	106	1082287	319.031	ug/l	100
69) o-Xylene	12.394	106	333169	103.244	ug/l	98
73) Isopropylbenzene	12.694	105	48455	6.413	ug/l	99
78) n-propylbenzene	13.035	91	77907	8.939	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	112072	17.676	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	709832	108.760	ug/l	99
86) p-Isopropyltoluene	13.723	119	5597m	0.920	ug/l	

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

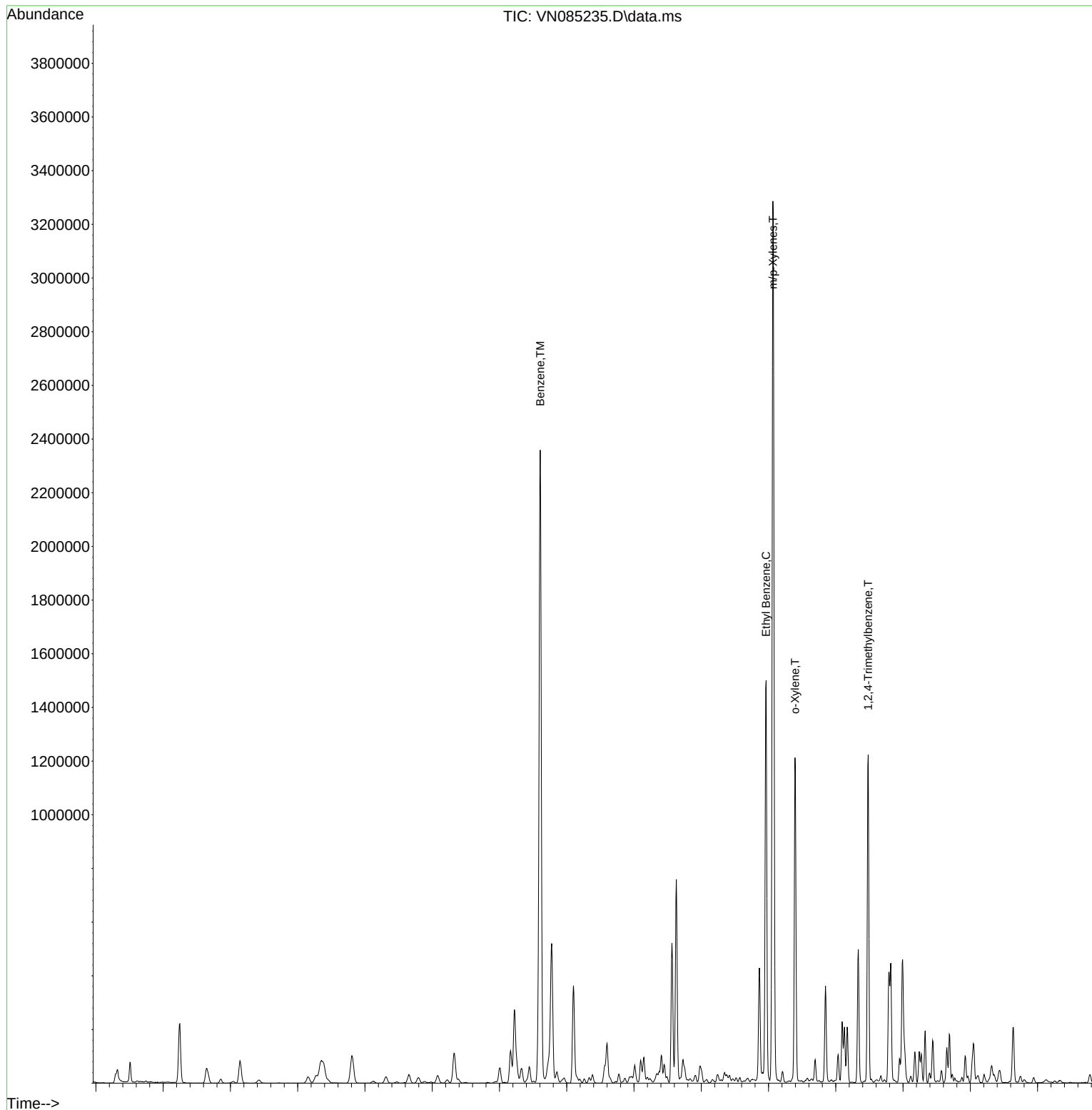
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Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

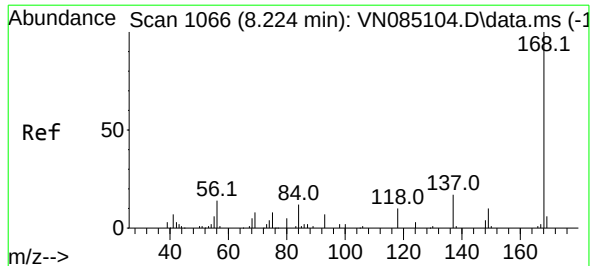
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

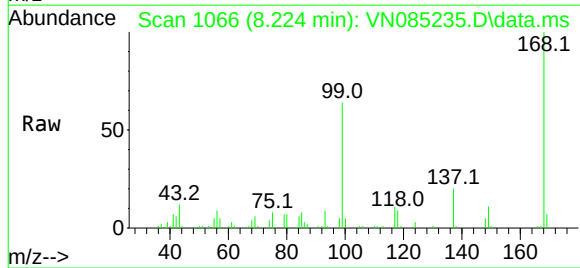
Quant Time: Dec 18 06:54:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

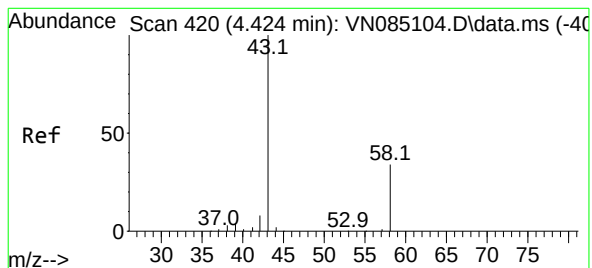
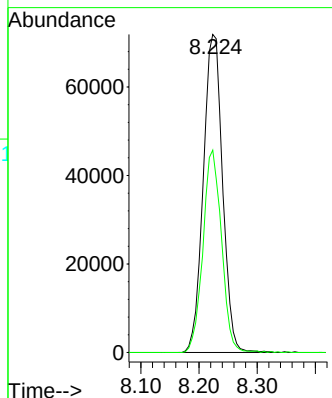
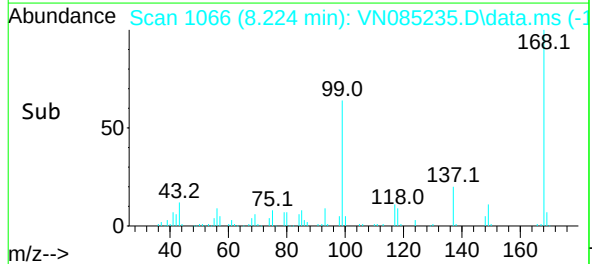
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A



Tgt Ion: 168 Resp: 165547
Ion Ratio Lower Upper
168 100
99 63.6 51.2 76.8

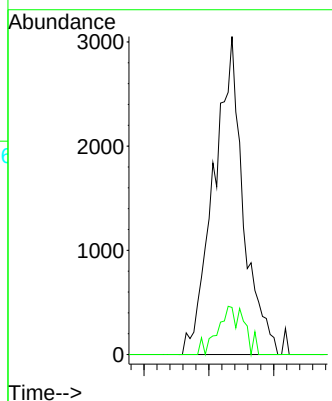
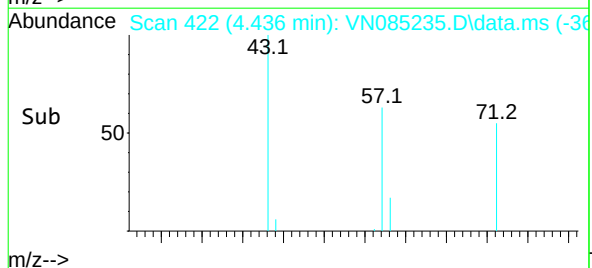
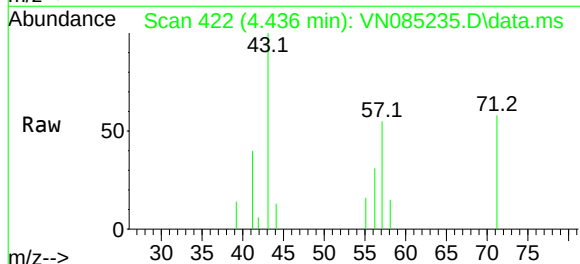
Manual Integrations
APPROVED

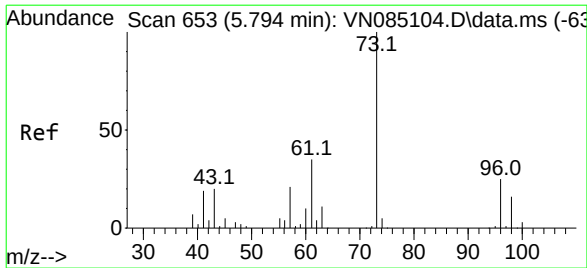
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#16
Acetone
Concen: 14.127 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

Tgt Ion: 43 Resp: 9702
Ion Ratio Lower Upper
43 100
58 14.8 25.4 38.2#





#19

Methyl tert-butyl Ether

Concen: 8.297 ug/l

RT: 5.794 min Scan# 65

Delta R.T. 0.006 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A

Tgt Ion: 73 Resp: 47631

Ion Ratio Lower Upper

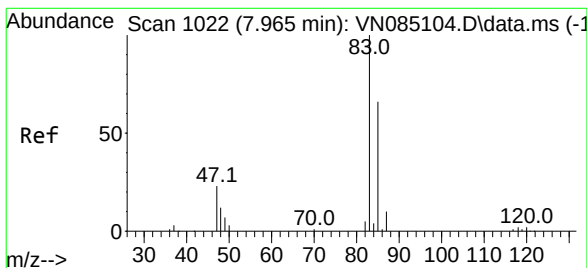
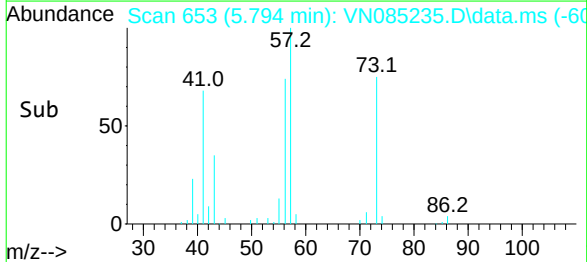
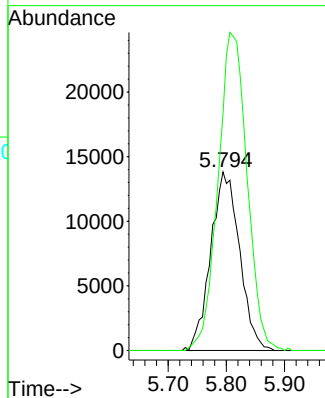
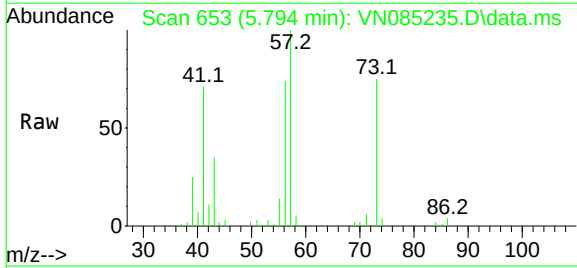
73 100

57 132.8 17.0 25.4#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#30

Chloroform

Concen: 1.665 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.012 min

Lab File: VN085235.D

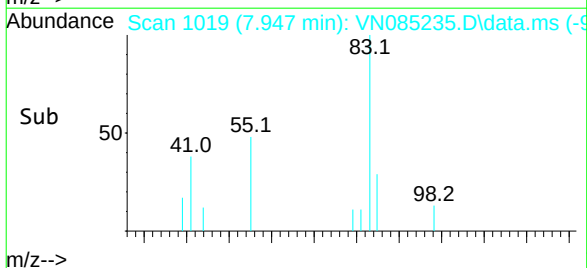
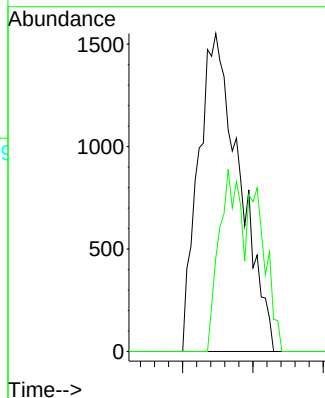
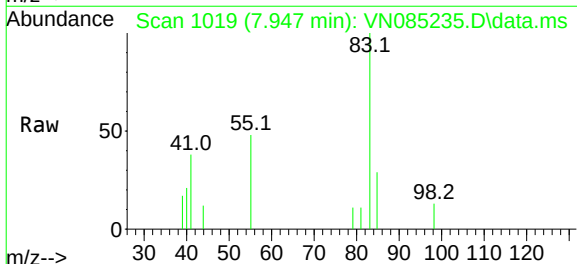
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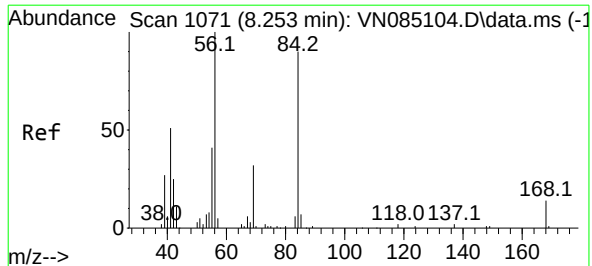
Tgt Ion: 83 Resp: 6320

Ion Ratio Lower Upper

83 100

85 29.4 52.6 78.8#





#31

Cyclohexane

Concen: 14.700 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN085235.D

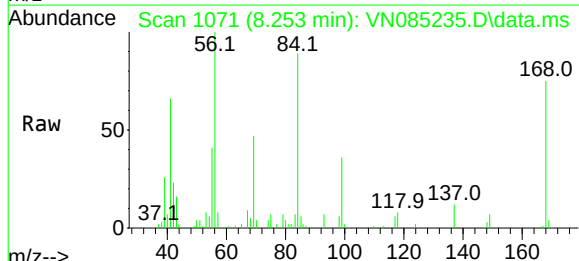
Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

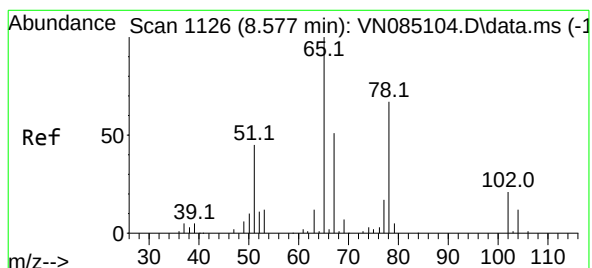
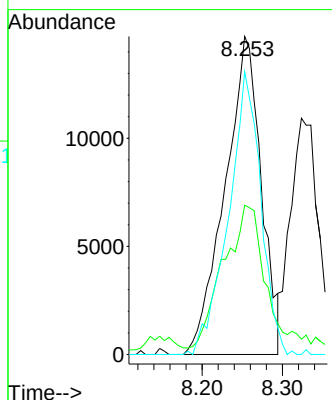
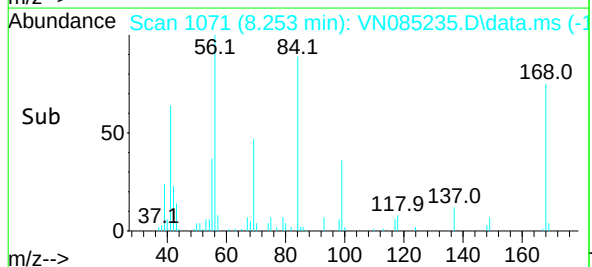
MW6-20241213-A



Tgt Ion	56	69	84
Ratio	100	44.1	88.9
Lower		24.6	71.4
Upper		36.8	107.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#33

1,2-Dichloroethane-d4

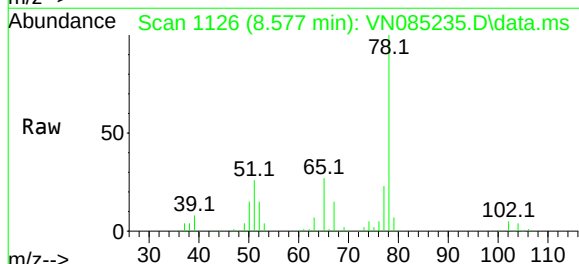
Concen: 45.097 ug/l

RT: 8.577 min Scan# 1126

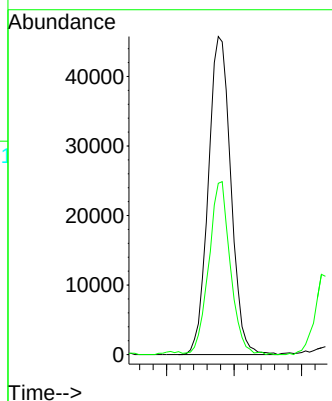
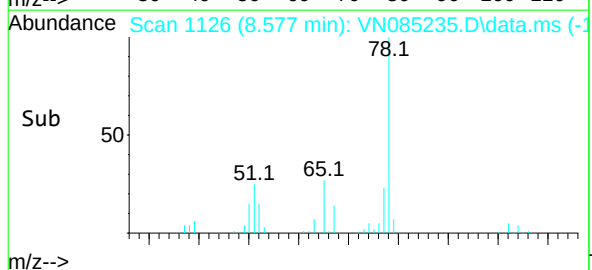
Delta R.T. 0.006 min

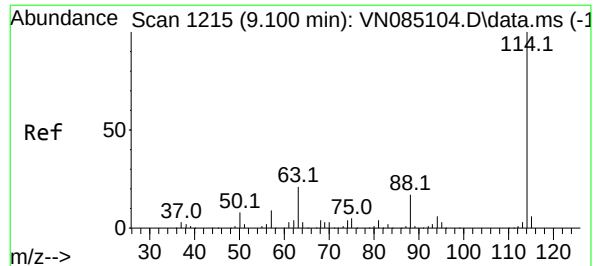
Lab File: VN085235.D

Acq: 17 Dec 2024 19:34



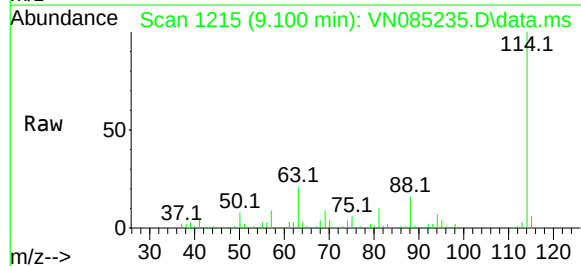
Tgt Ion	65	67
Ratio	100	51.8
Lower		0.0
Upper		105.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

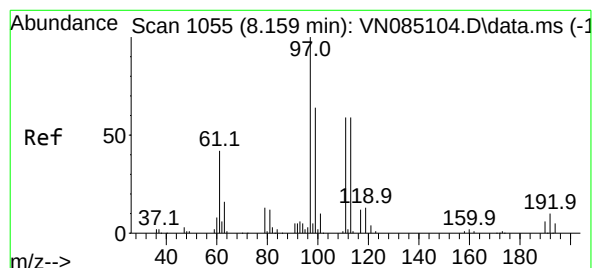
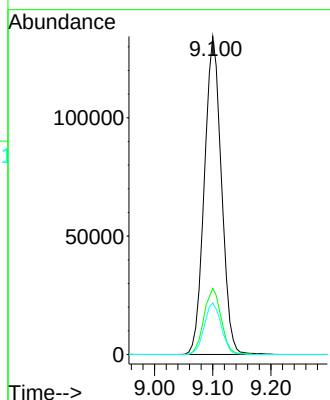
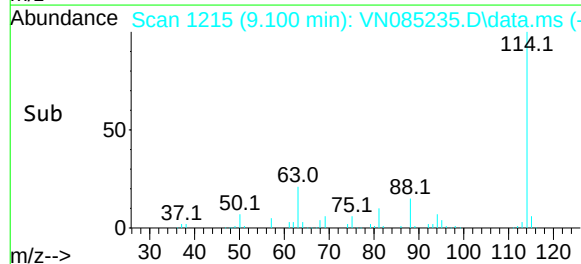
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A



Tgt Ion:114 Resp: 273247
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.0
88 16.2 0.0 34.8

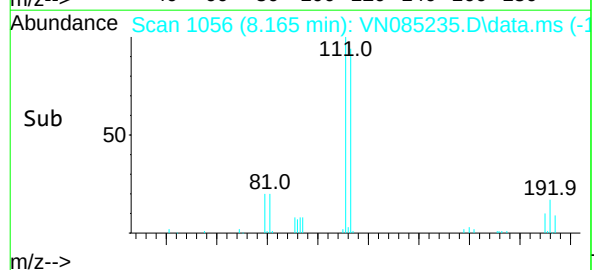
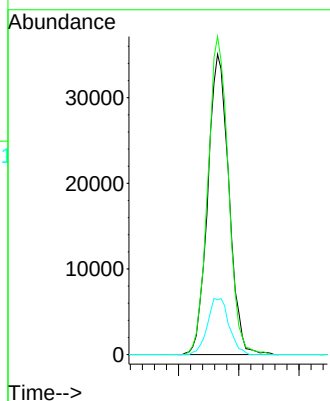
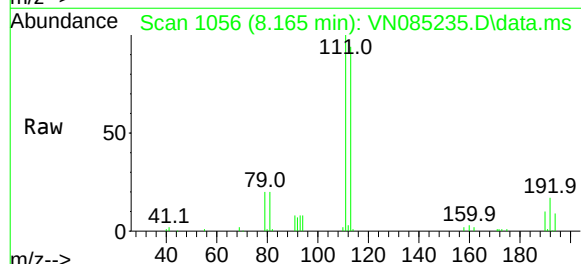
Manual Integrations
APPROVED

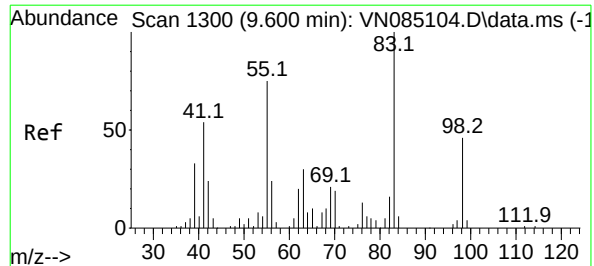
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#35
Dibromofluoromethane
Concen: 46.386 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

Tgt Ion:113 Resp: 85474
Ion Ratio Lower Upper
113 100
111 103.2 82.0 123.0
192 19.1 14.8 22.2





#39

Methylcyclohexane

Concen: 23.311 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.006 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A

Tgt Ion: 83 Resp: 60460

Ion Ratio Lower Upper

83 100

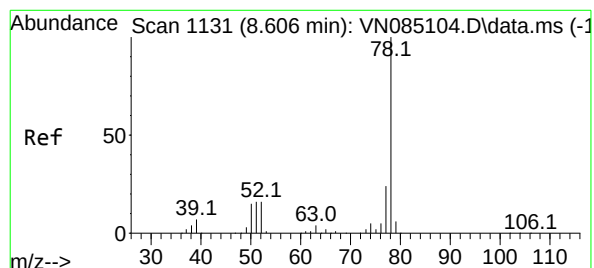
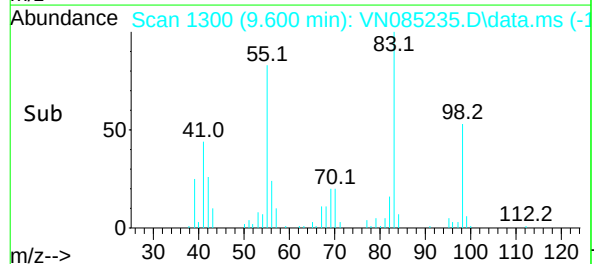
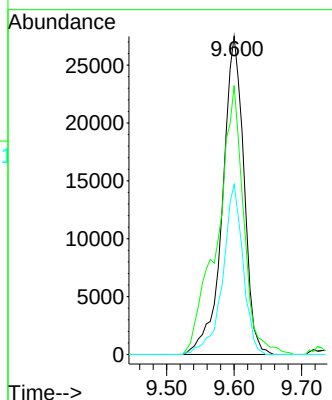
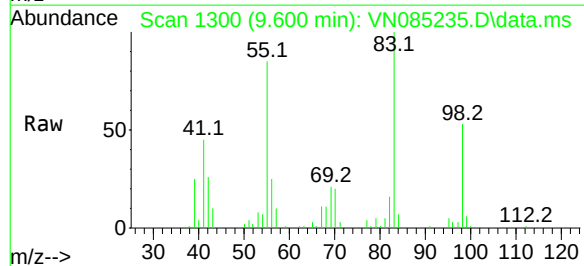
55 84.5 61.8 92.6

98 53.5 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#40

Benzene

Concen: 312.263 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085235.D

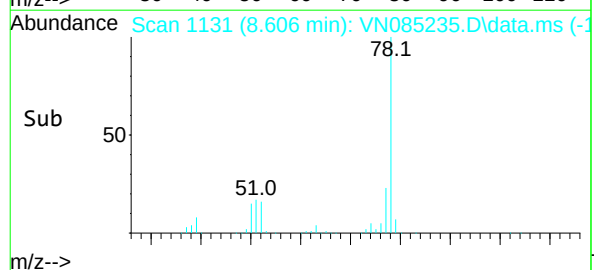
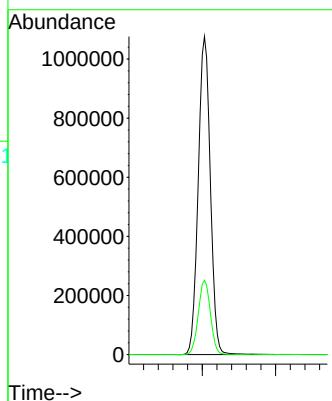
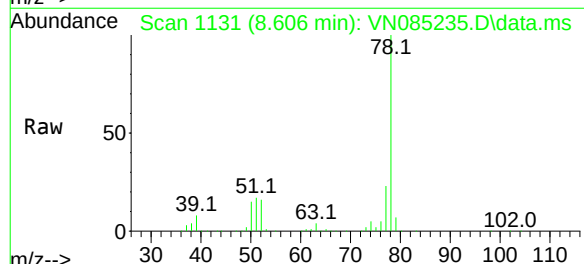
Acq: 17 Dec 2024 19:34

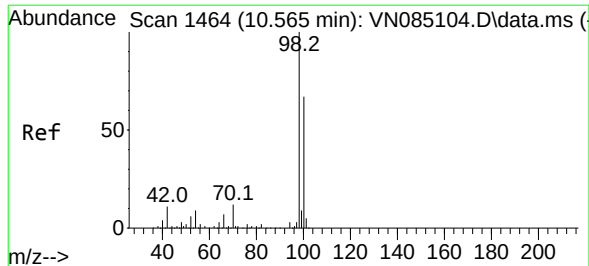
Tgt Ion: 78 Resp: 2465034

Ion Ratio Lower Upper

78 100

77 23.4 18.5 27.7





#50

Toluene-d8

Concen: 49.429 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A

Tgt Ion: 98 Resp: 326419

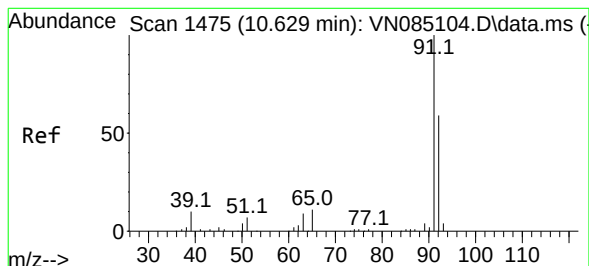
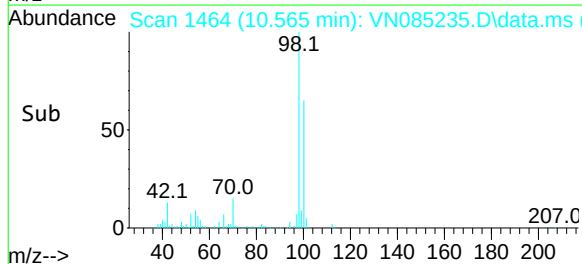
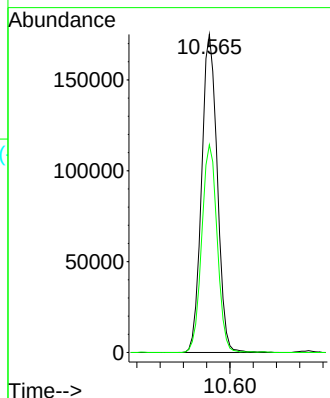
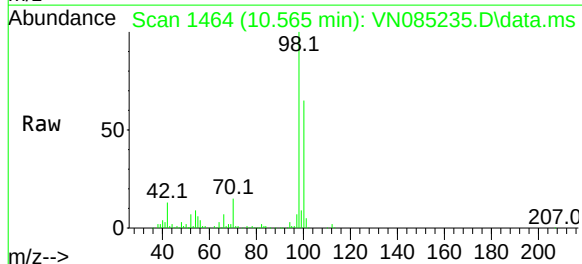
Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

#52

Toluene

Concen: 70.457 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085235.D

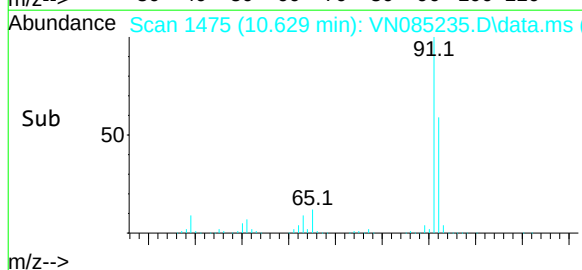
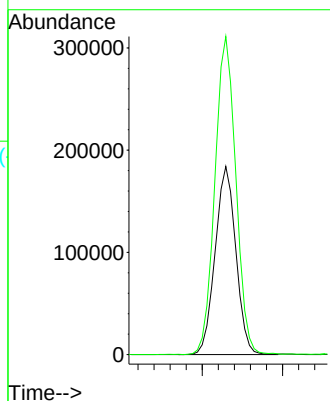
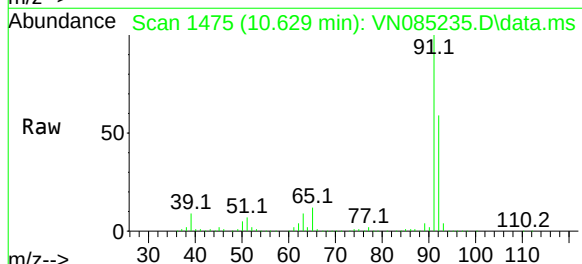
Acq: 17 Dec 2024 19:34

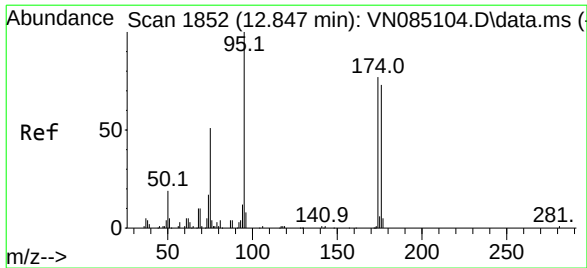
Tgt Ion: 92 Resp: 329264

Ion Ratio Lower Upper

92 100

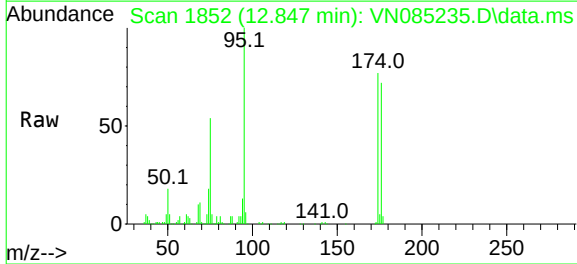
91 171.5 136.7 205.1





#62
4-Bromofluorobenzene
Concen: 50.755 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

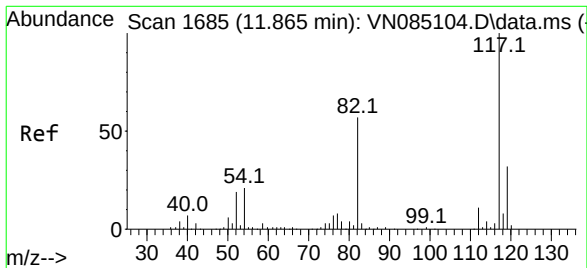
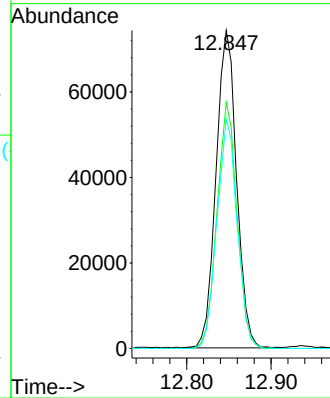
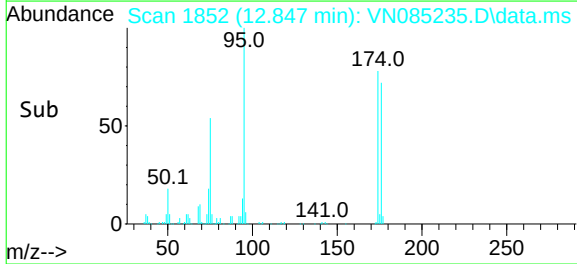
Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A



Tgt Ion: 95 Resp: 125345
Ion Ratio Lower Upper
95 100
174 75.6 0.0 146.6
176 71.4 0.0 141.8

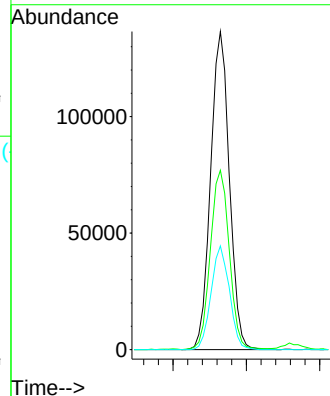
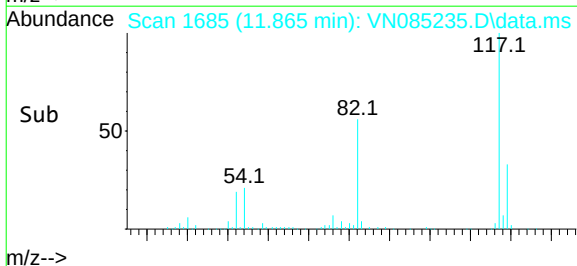
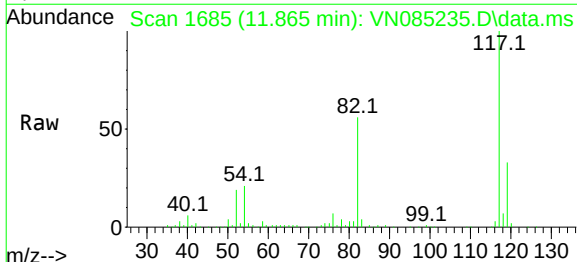
Manual Integrations
APPROVED

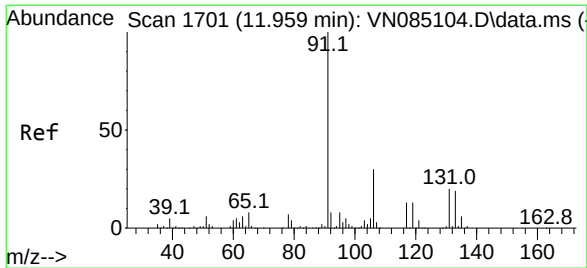
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085235.D
Acq: 17 Dec 2024 19:34

Tgt Ion:117 Resp: 242177
Ion Ratio Lower Upper
117 100
82 56.4 46.0 69.0
119 32.6 25.6 38.4





#67

Ethyl Benzene

Concen: 127.905 ug/l

RT: 11.965 min Scan# 1719

Delta R.T. 0.006 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A

Tgt Ion: 91 Resp: 1139705

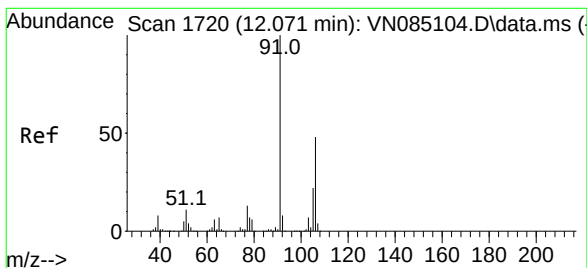
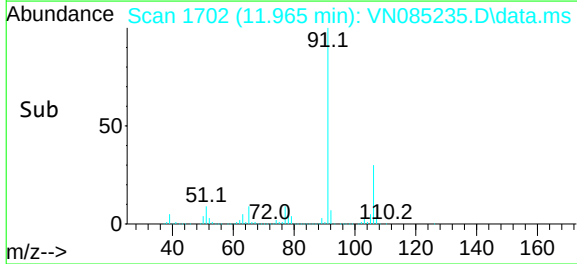
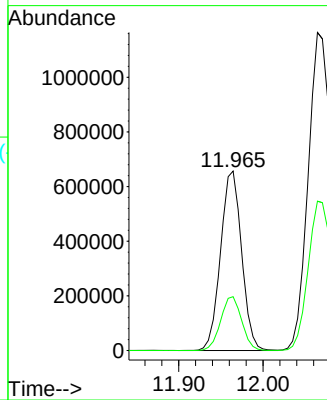
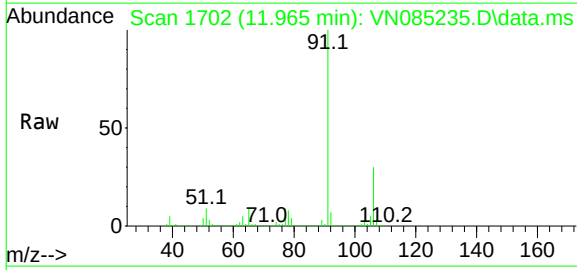
Ion Ratio Lower Upper

91 100

106 30.0 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

#68

m/p-Xylenes

Concen: 319.031 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN085235.D

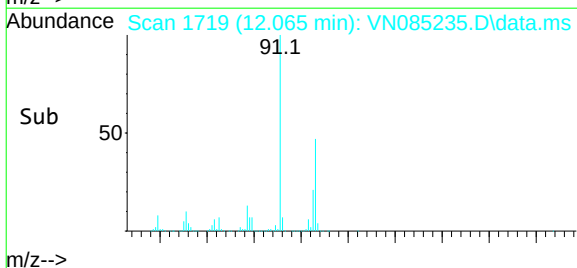
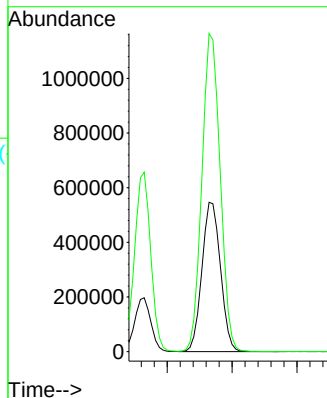
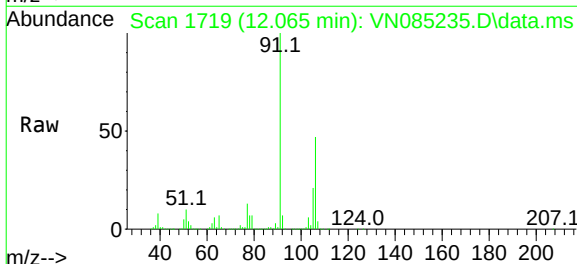
Acq: 17 Dec 2024 19:34

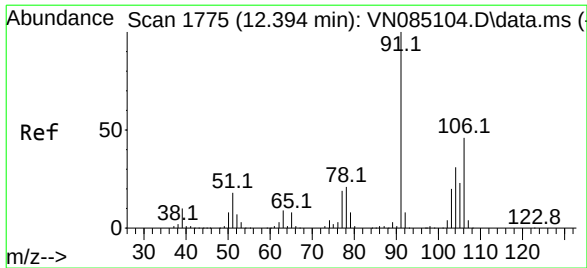
Tgt Ion:106 Resp: 1082287

Ion Ratio Lower Upper

106 100

91 210.3 168.0 252.0





#69

o-Xylene

Concen: 103.244 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A

Tgt Ion:106 Resp: 333169

Ion Ratio Lower Upper

106 100

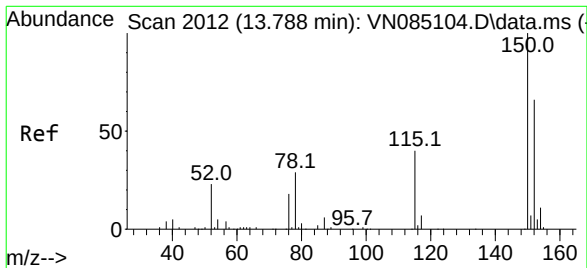
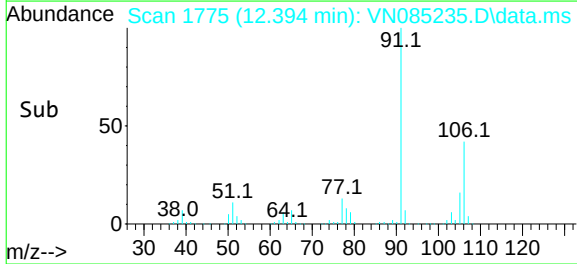
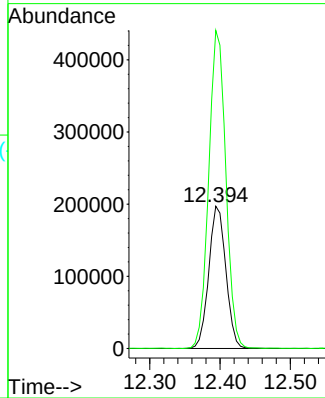
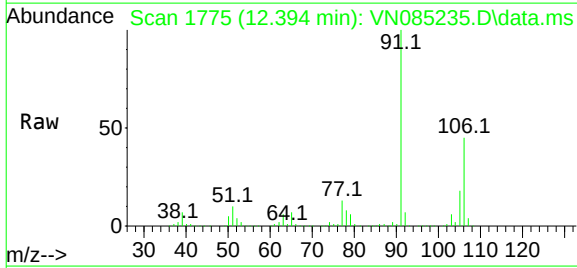
91 223.9 110.7 331.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

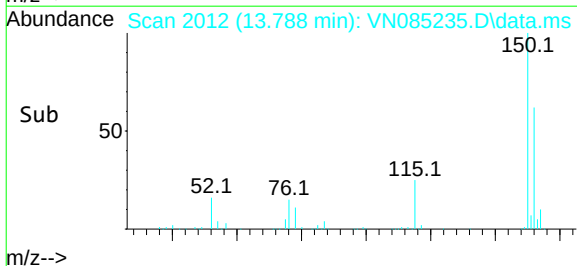
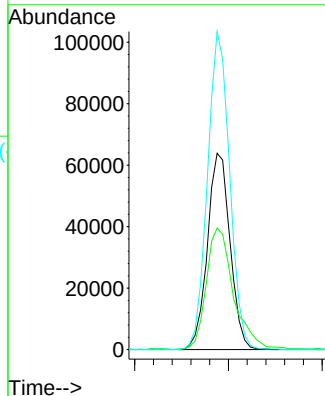
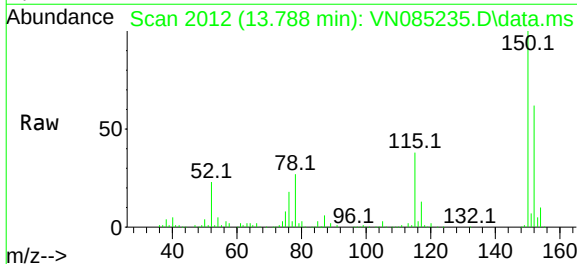
Tgt Ion:152 Resp: 107107

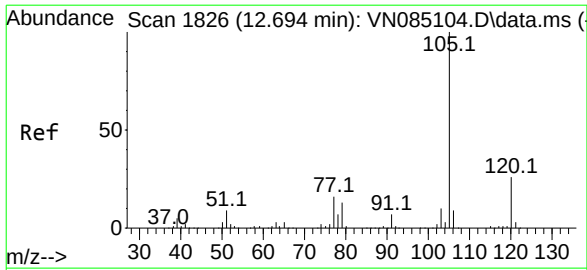
Ion Ratio Lower Upper

152 100

115 74.9 31.7 95.1

150 158.8 0.0 351.4





#73

Isopropylbenzene

Concen: 6.413 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A

Tgt Ion: 105 Resp: 48455

Ion Ratio Lower Upper

105 100

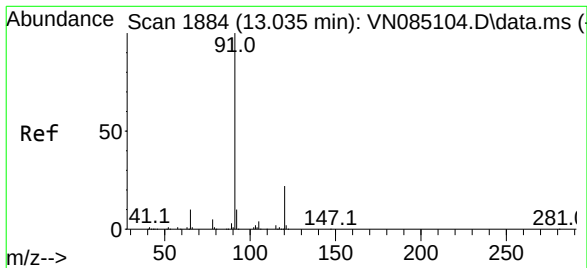
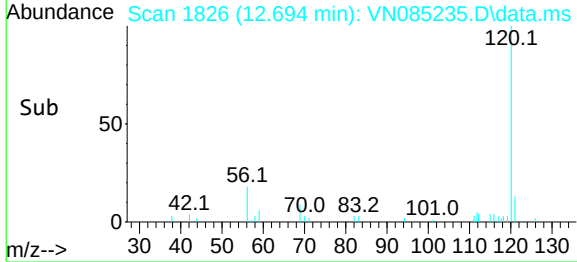
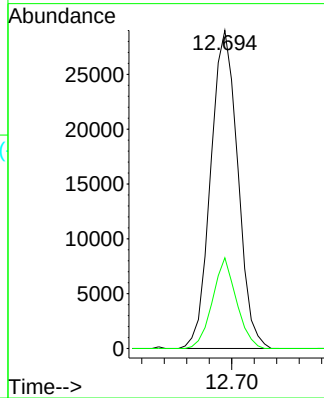
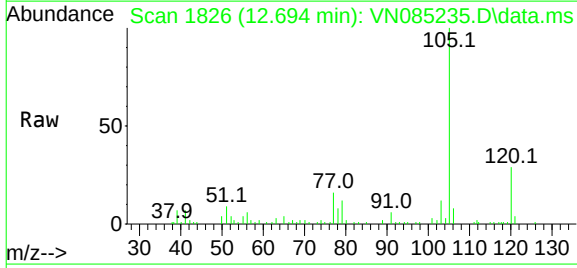
120 25.3 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#78

n-propylbenzene

Concen: 8.939 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085235.D

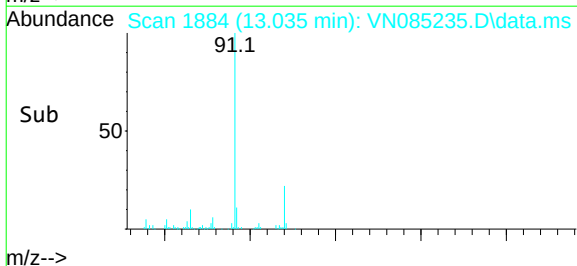
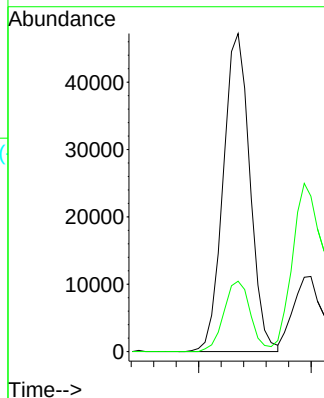
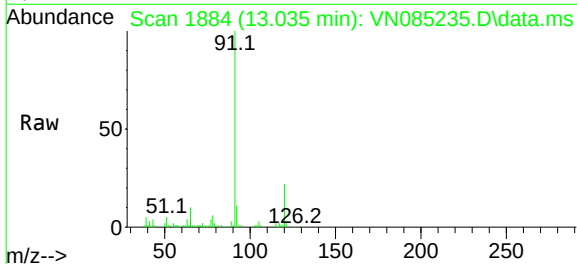
Acq: 17 Dec 2024 19:34

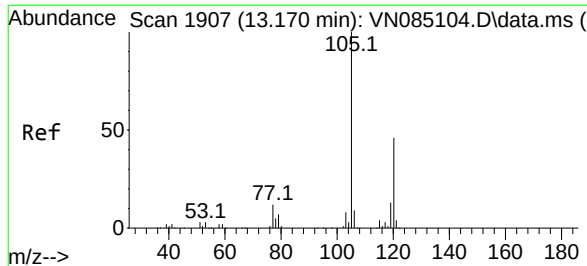
Tgt Ion: 91 Resp: 77907

Ion Ratio Lower Upper

91 100

120 22.2 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 17.676 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085235.D

Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A

Tgt Ion:105 Resp: 112072

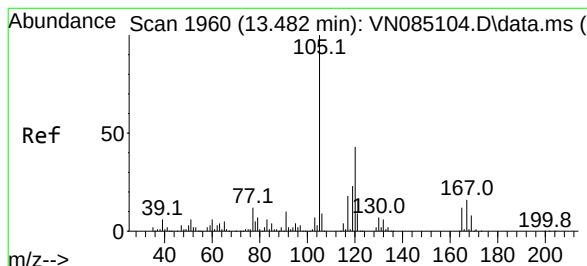
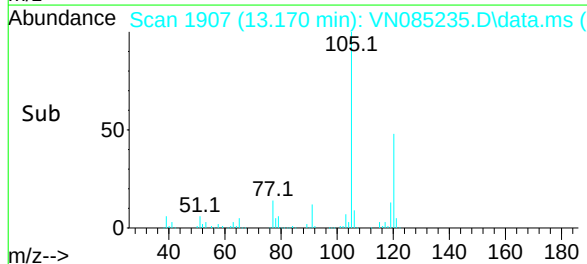
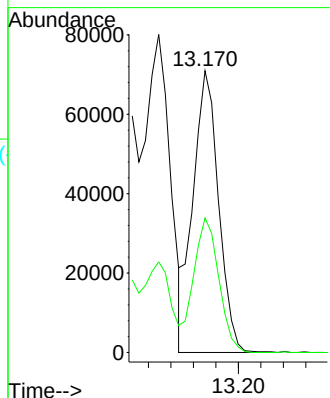
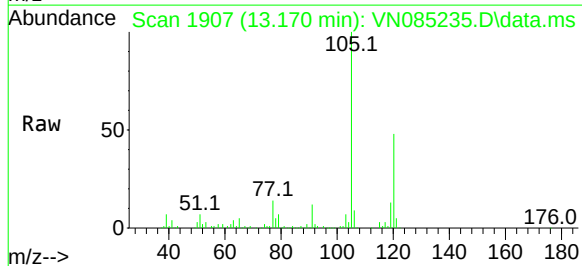
Ion Ratio Lower Upper

105 100

120 47.3 23.6 71.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

#84

1,2,4-Trimethylbenzene

Concen: 108.760 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085235.D

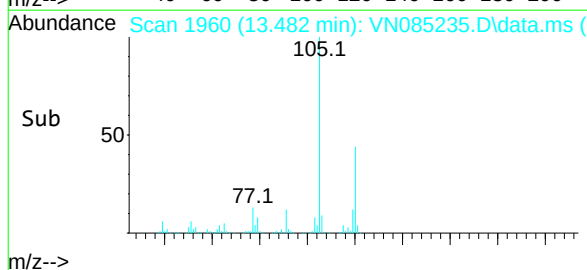
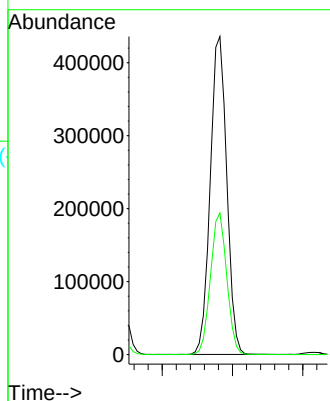
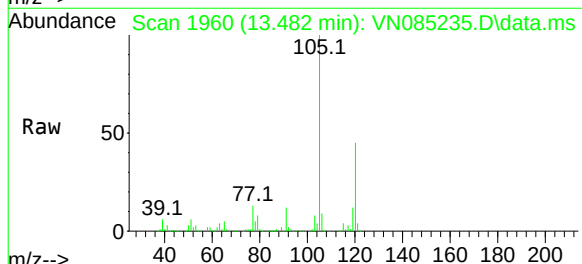
Acq: 17 Dec 2024 19:34

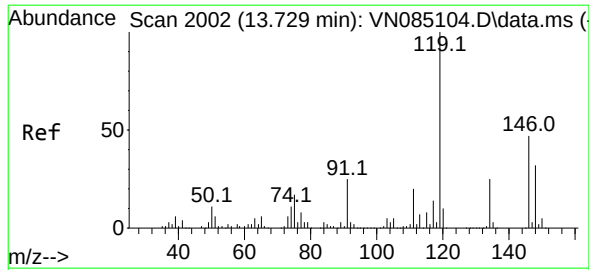
Tgt Ion:105 Resp: 709832

Ion Ratio Lower Upper

105 100

120 44.0 21.8 65.4





#86

p-Isopropyltoluene

Concen: 0.920 ug/l m

RT: 13.723 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN085235.D

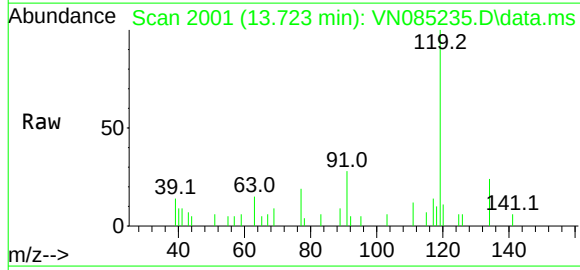
Acq: 17 Dec 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-A



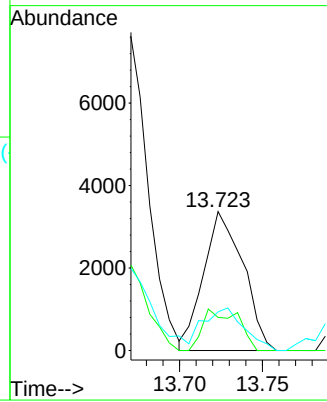
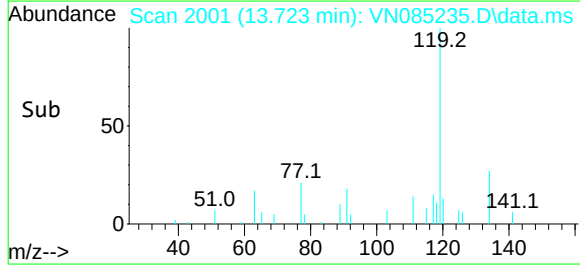
Tgt	Ion	119	Resp:	5597
Ion	Ratio	Lower	Upper	
119	100			
134	53.0	13.0	39.0#	
91	61.6	12.8	38.4#	

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085235.D
 Acq On : 17 Dec 2024 19:34
 Operator : JC\MD
 Sample : P5291-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213-A

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M

Title : SW846 8260

Signal : TIC: VN085235.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.318	50	62	77	rBV2	49784	177002	2.74%	0.460%
2	2.506	86	94	103	rVB	73219	122460	1.90%	0.318%
3	3.247	210	220	231	rVB	219831	504779	7.82%	1.311%
4	3.647	277	288	301	rBV3	55232	175713	2.72%	0.456%
5	4.142	361	372	386	rVB	82565	220927	3.42%	0.574%
6	5.147	532	543	555	rBV2	22863	78568	1.22%	0.204%
7	5.277	555	565	568	rVV4	28025	86976	1.35%	0.226%
8	5.353	568	578	608	rVB6	83496	512323	7.94%	1.331%
9	5.806	642	655	671	rVB4	102102	356169	5.52%	0.925%
10	6.312	730	741	751	rBV2	23906	72291	1.12%	0.188%
11	6.653	789	799	811	rVB2	31814	91791	1.42%	0.238%
12	7.082	863	872	882	rBV4	27526	76263	1.18%	0.198%
13	7.324	904	913	922	rBV	109927	315980	4.90%	0.821%
14	8.006	1021	1029	1037	rVB2	55948	138948	2.15%	0.361%
15	8.165	1047	1056	1060	rBV	120398	281021	4.35%	0.730%
16	8.224	1060	1066	1078	rVV2	271858	763234	11.83%	1.983%
17	8.324	1078	1083	1092	rVV3	51802	129123	2.00%	0.335%
18	8.441	1092	1103	1110	rVV3	57531	139276	2.16%	0.362%
19	8.606	1118	1131	1143	rBV	2355663	5587788	86.59%	14.516%
20	8.777	1143	1160	1168	rVV2	518266	1500344	23.25%	3.898%
21	8.853	1168	1173	1180	rVV4	40698	96159	1.49%	0.250%
22	9.100	1206	1215	1228	rBV	363100	832336	12.90%	2.162%
23	9.382	1258	1263	1272	rVB2	31178	65709	1.02%	0.171%
24	9.600	1283	1300	1316	rBV4	147931	475719	7.37%	1.236%
25	10.012	1365	1370	1379	rVB	62856	128299	1.99%	0.333%
26	10.100	1379	1385	1389	rBV	80447	160733	2.49%	0.418%
27	10.147	1389	1393	1399	rVB2	81467	146839	2.28%	0.381%
28	10.341	1415	1426	1429	rBV6	32028	84332	1.31%	0.219%
29	10.406	1429	1437	1441	rVV	98282	239163	3.71%	0.621%
30	10.447	1441	1444	1449	rVV	63613	115403	1.79%	0.300%
31	10.565	1457	1464	1469	rBV	519016	963533	14.93%	2.503%
32	10.629	1469	1475	1483	rVV	749606	1382069	21.42%	3.590%
33	10.729	1483	1492	1503	rVB3	75629	215786	3.34%	0.561%
34	10.982	1529	1535	1545	rVB4	59551	162171	2.51%	0.421%
35	11.865	1675	1685	1691	rBV	419724	776459	12.03%	2.017%
36	11.965	1695	1702	1711	rVV	1489988	2617129	40.55%	6.799%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260

37	12.065	1711	1719	1732	rVB	3276323	6453473	100.00%	16.765%
38	12.206	1738	1743	1750	rVB3	39411	70524	1.09%	0.183%
39	12.394	1764	1775	1784	rBV	1207073	2070479	32.08%	5.379%
40	12.694	1820	1826	1833	rVB	80042	132409	2.05%	0.344%
41	12.847	1843	1852	1861	rBV	358093	613215	9.50%	1.593%
42	13.035	1878	1884	1889	rBV	95914	157325	2.44%	0.409%
43	13.094	1889	1894	1897	rVV	222068	365137	5.66%	0.949%
44	13.129	1897	1900	1903	rVV	203826	301050	4.66%	0.782%
45	13.170	1903	1907	1914	rVB	206459	333095	5.16%	0.865%
46	13.335	1927	1935	1944	rBV	496110	814254	12.62%	2.115%
47	13.482	1952	1960	1967	rBV	1218124	1976735	30.63%	5.135%
48	13.788	2005	2012	2015	rBV	409914	771695	11.96%	2.005%
49	13.817	2015	2017	2025	rVB	438351	568596	8.81%	1.477%
50	13.947	2033	2039	2041	rBV	88380	128011	1.98%	0.333%
51	13.994	2041	2047	2060	rVV3	457759	1096448	16.99%	2.848%
52	14.176	2072	2078	2084	rVV3	112895	190544	2.95%	0.495%
53	14.241	2084	2089	2092	rVV	114062	194418	3.01%	0.505%
54	14.270	2092	2094	2099	rVV	104002	138315	2.14%	0.359%
55	14.329	2099	2104	2110	rVB	193334	291161	4.51%	0.756%
56	14.441	2118	2123	2131	rVB2	153538	268447	4.16%	0.697%
57	14.570	2140	2145	2151	rVB2	43832	75162	1.16%	0.195%
58	14.653	2151	2159	2162	rBV	129993	218293	3.38%	0.567%
59	14.688	2162	2165	2170	rVV	174786	270412	4.19%	0.702%
60	14.923	2200	2205	2210	rBV	94260	162398	2.52%	0.422%
61	15.047	2217	2226	2232	rBV3	144871	356754	5.53%	0.927%
62	15.317	2262	2272	2277	rBV4	61025	163052	2.53%	0.424%
63	15.435	2285	2292	2300	rVB3	46565	120506	1.87%	0.313%
64	15.641	2319	2327	2335	rVB	203222	399254	6.19%	1.037%

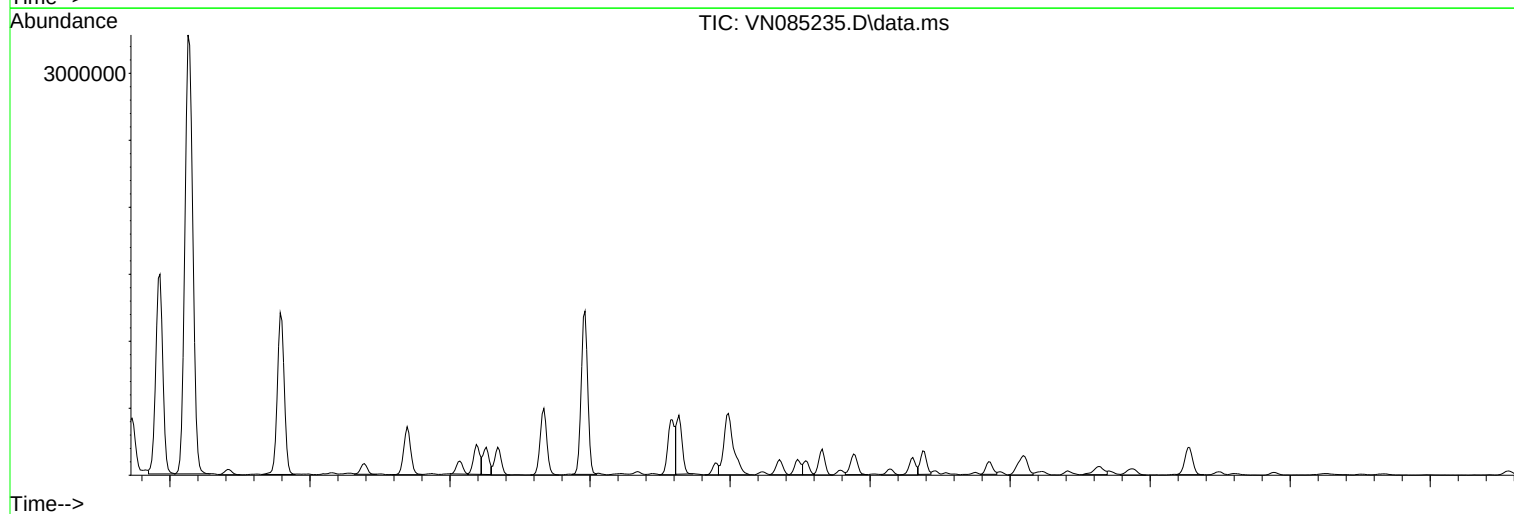
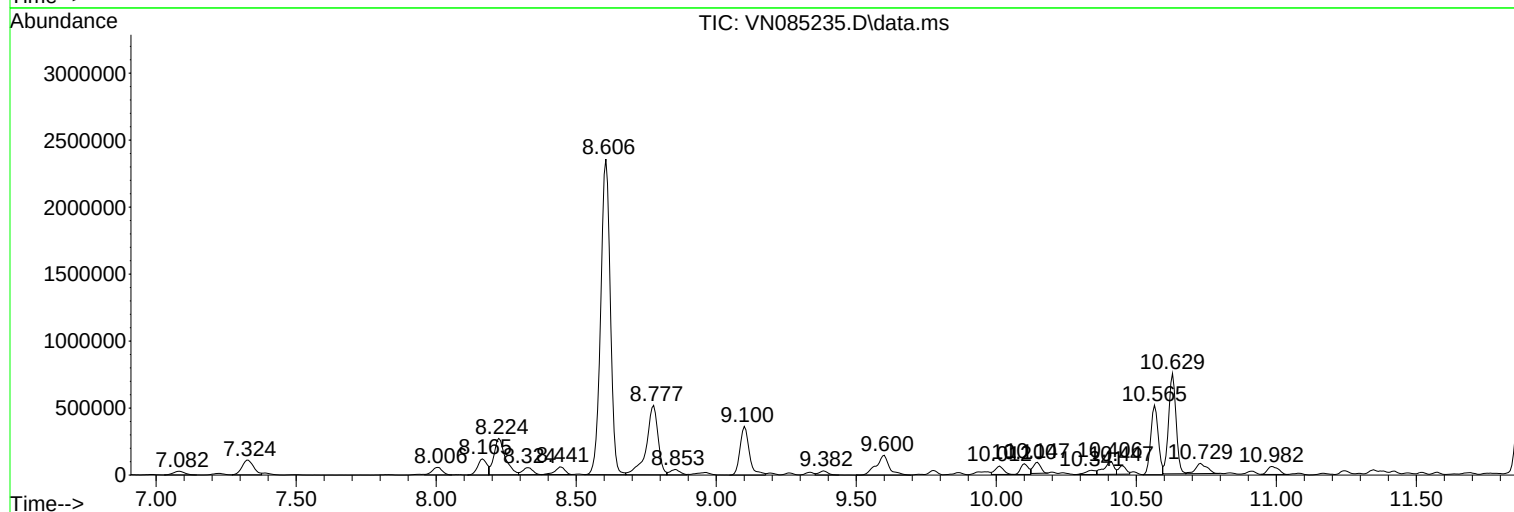
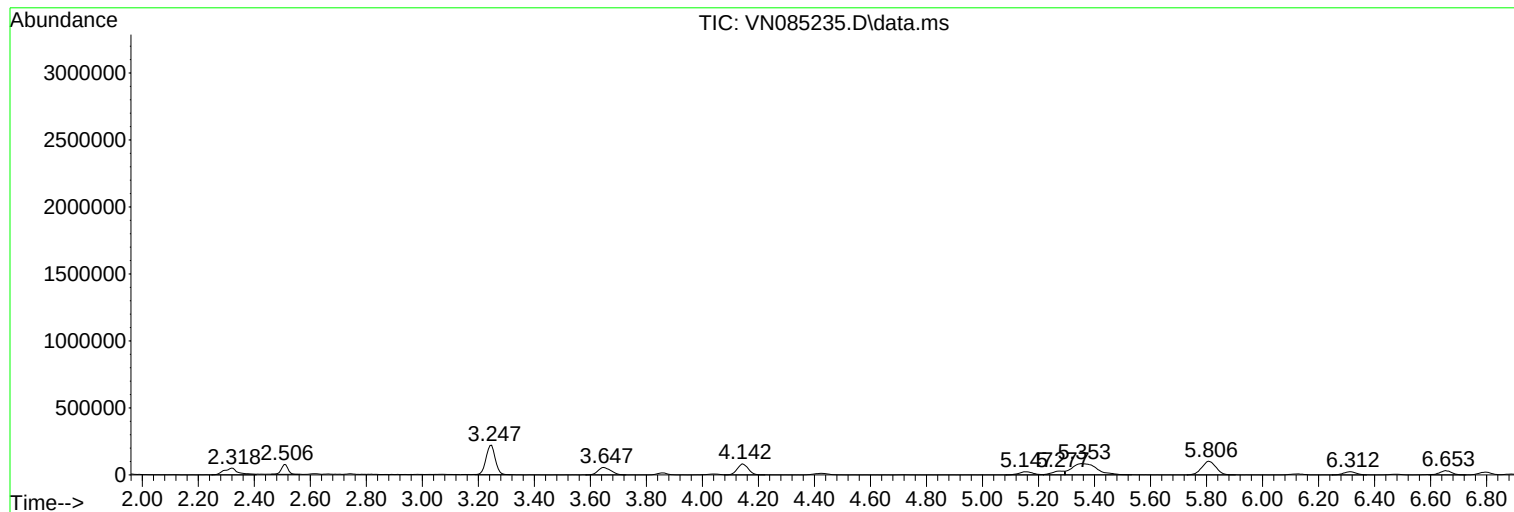
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Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

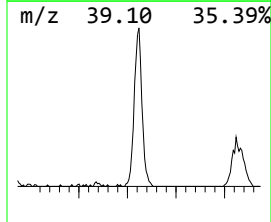
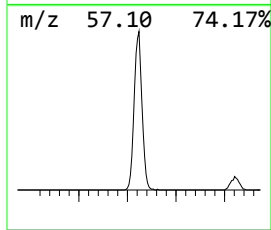
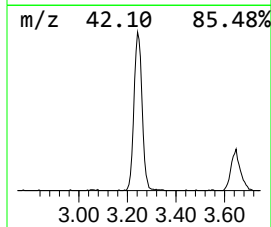
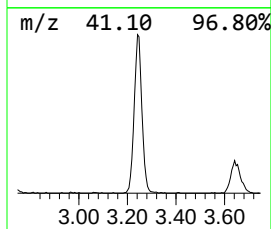
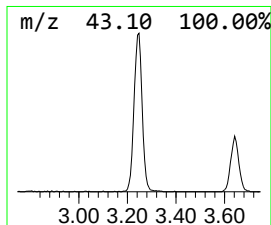
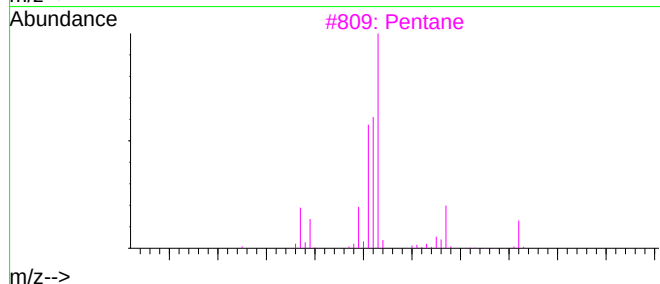
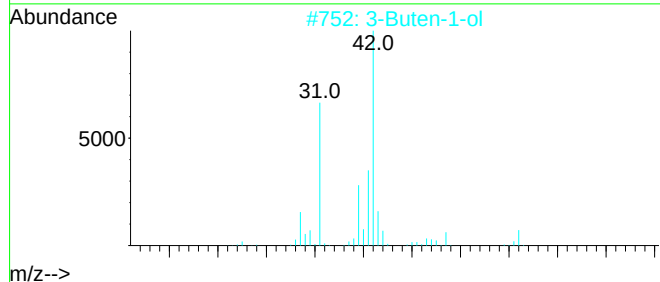
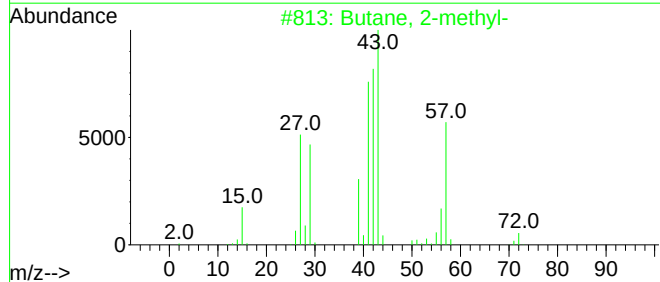
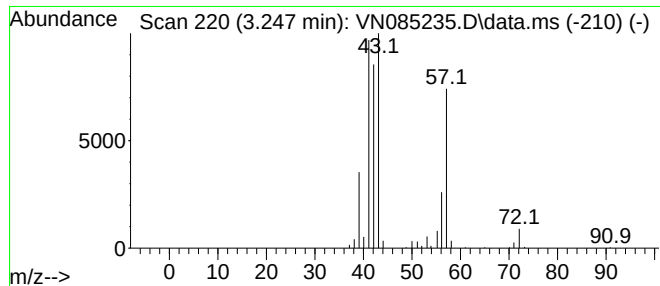
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 1 Butane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.247	33.07 ug/l	504779	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	86
2	3-Buten-1-ol	72	C4H8O	000627-27-0	43
3	Pentane	72	C5H12	000109-66-0	33
4	1-Pentene, 4-methyl-	84	C6H12	000691-37-2	12
5	1-Butene	56	C4H8	000106-98-9	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

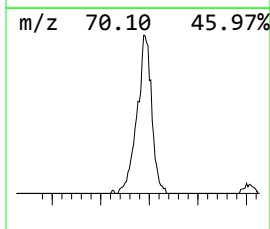
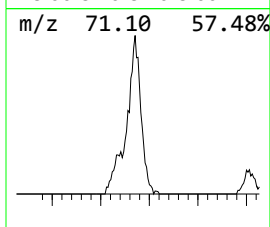
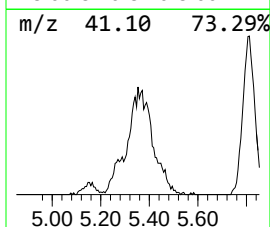
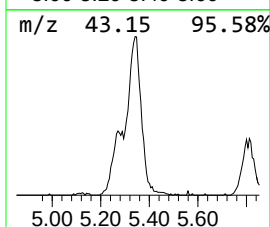
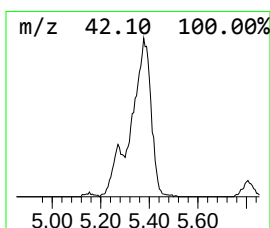
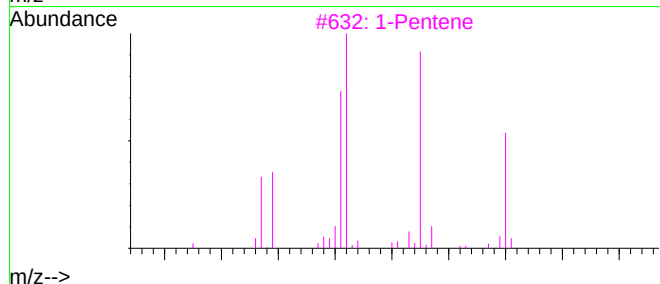
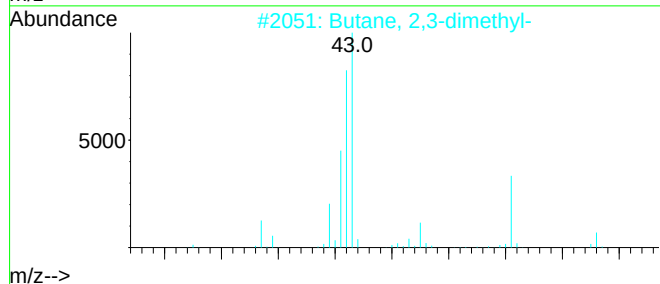
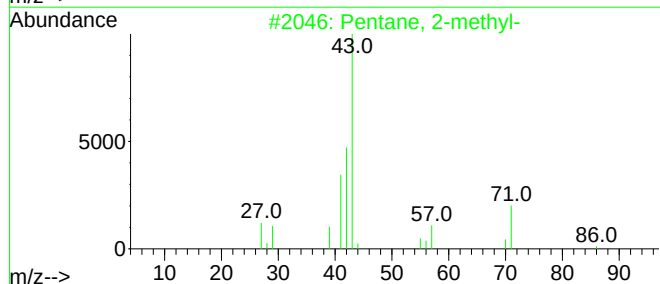
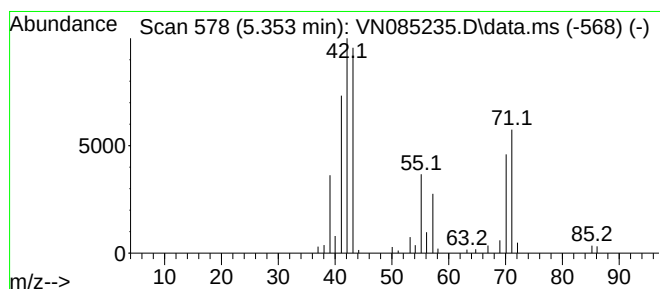
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 2 Pentane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.353	33.56 ug/l	512323	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	53
3	1-Pentene	70	C5H10	000109-67-1	52
4	1-Pentanol	88	C5H12O	000071-41-0	40
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

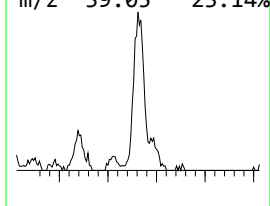
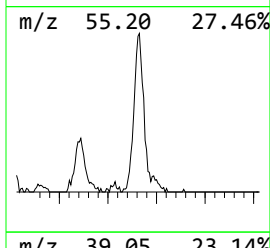
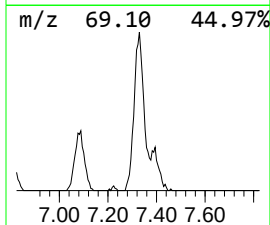
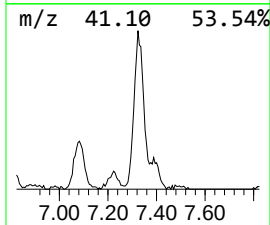
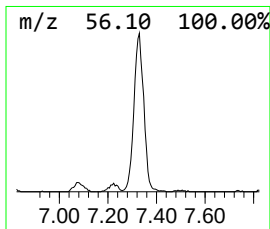
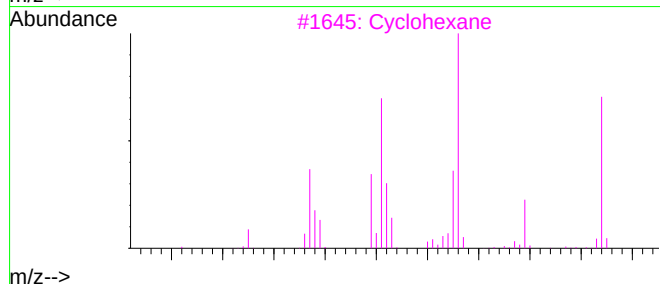
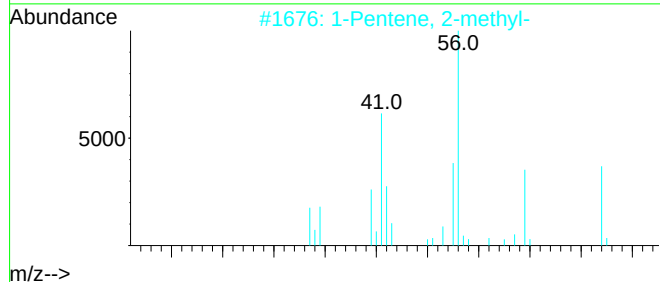
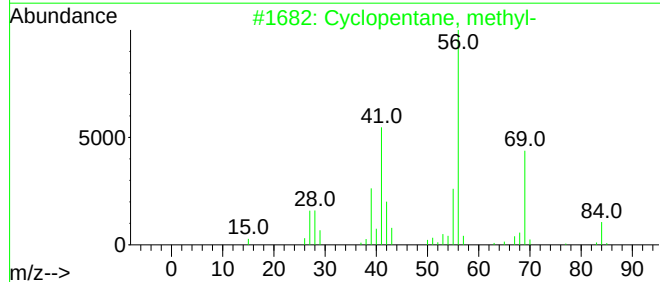
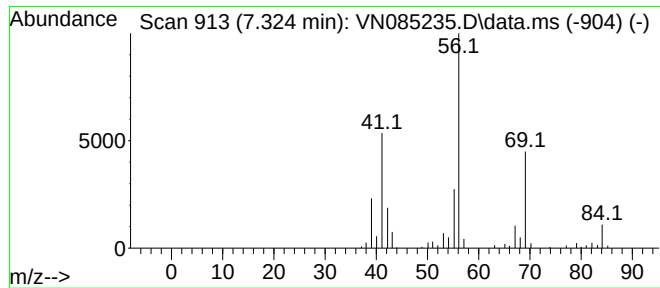
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 3 Cyclopentane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.324	20.70 ug/l	315980	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	80
3	Cyclohexane	84	C6H12	000110-82-7	80
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

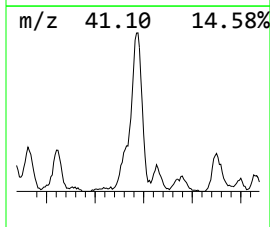
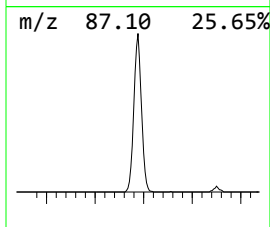
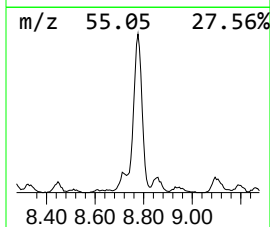
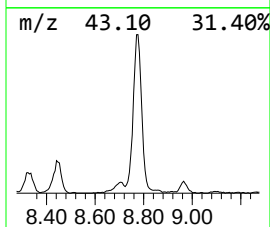
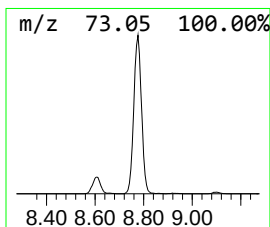
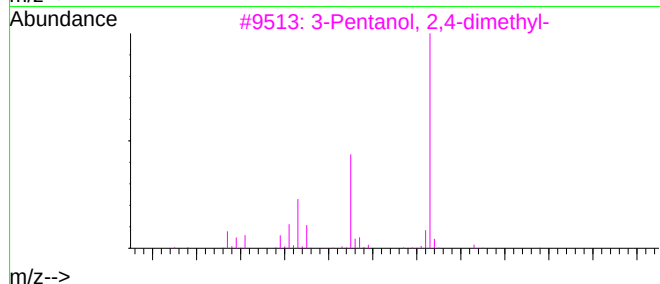
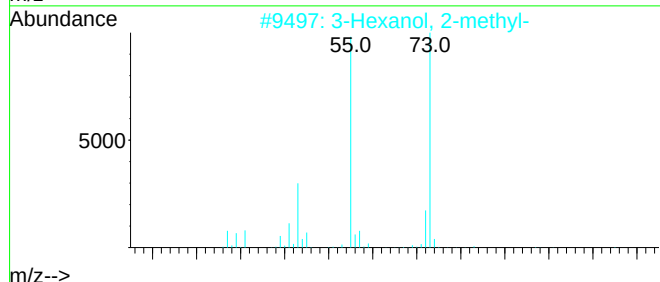
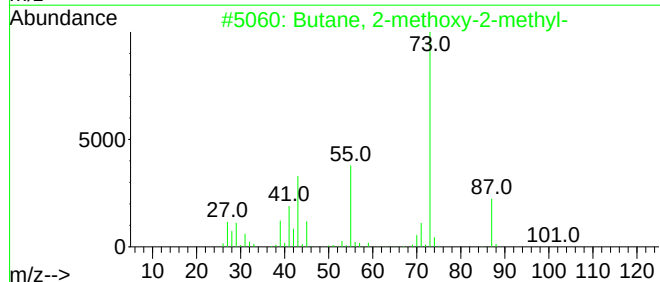
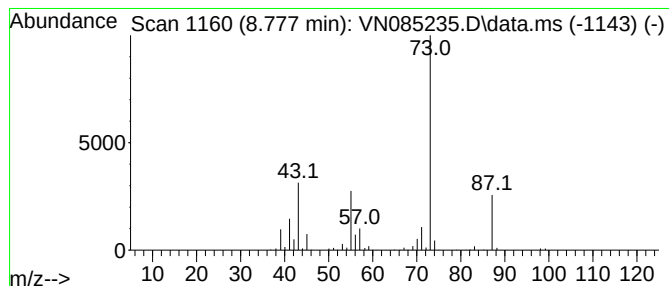
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Quant Title : SW846 8260

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

Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.777	90.13 ug/l	1500340	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	37
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
4	meso-2,5-Dimethyl-3,4-hexanediol	146	C8H18O2	022520-38-3	25
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	12



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

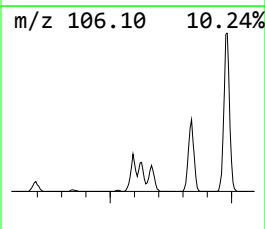
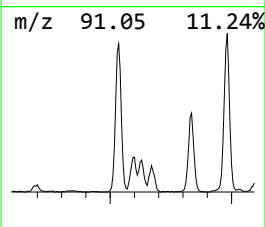
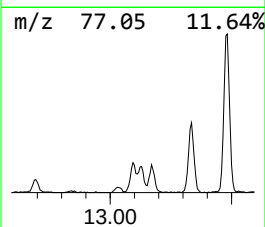
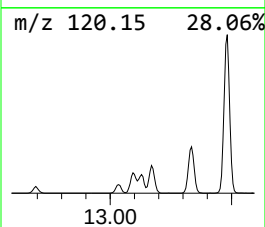
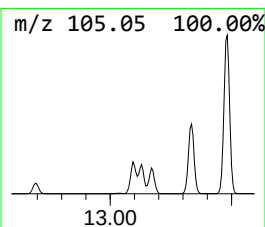
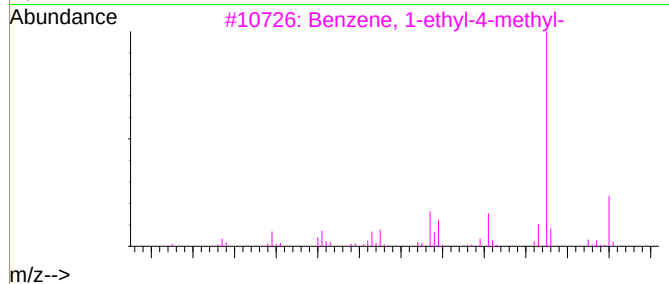
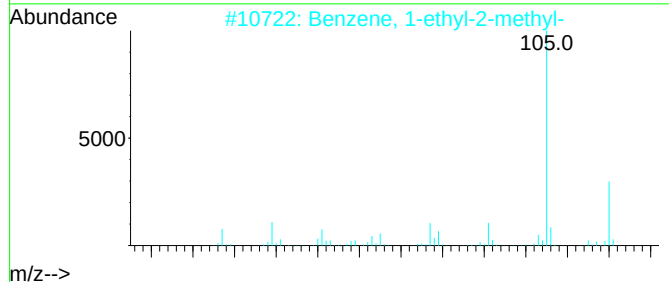
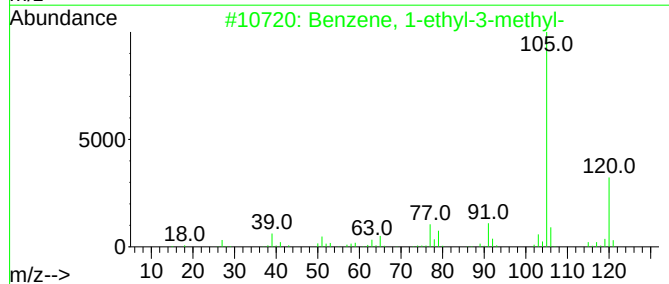
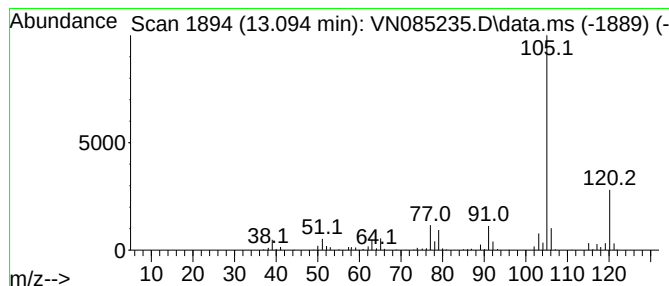
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.094	23.66 ug/l	365137	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

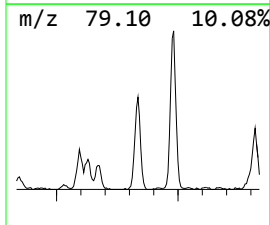
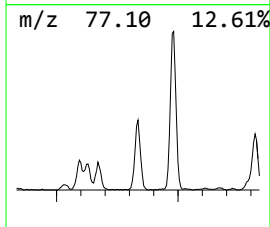
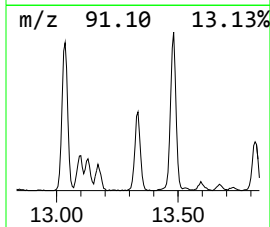
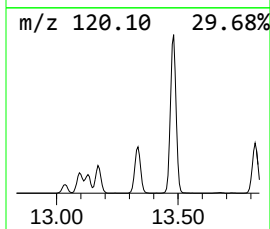
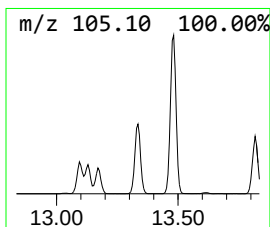
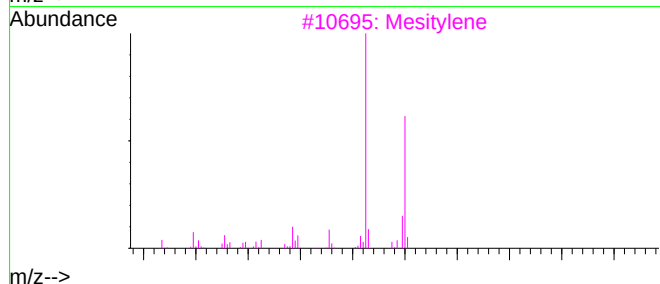
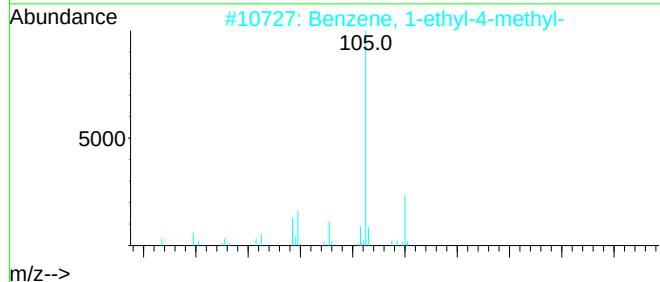
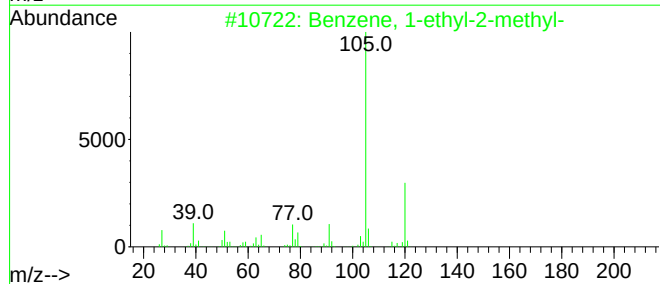
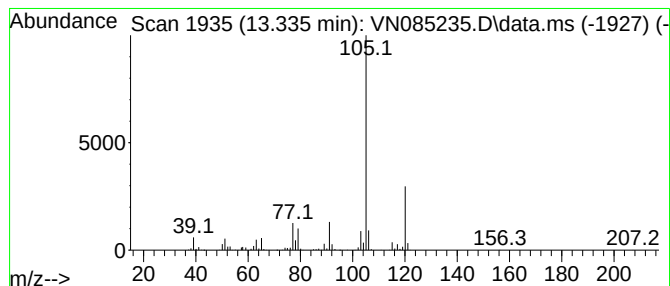
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.335	52.76 ug/l	814254	1,4-Dichlorobenzene-d4		13.788	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-		120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-		120	C9H12	000622-96-8	93
3	Mesitylene		120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-		120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-		120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

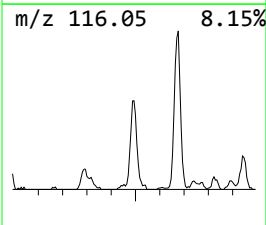
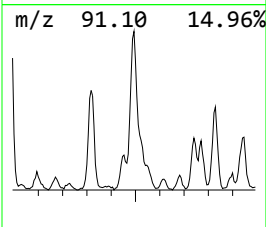
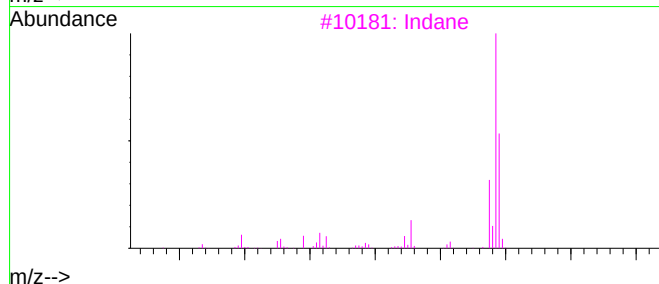
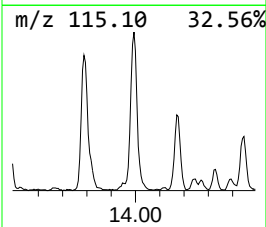
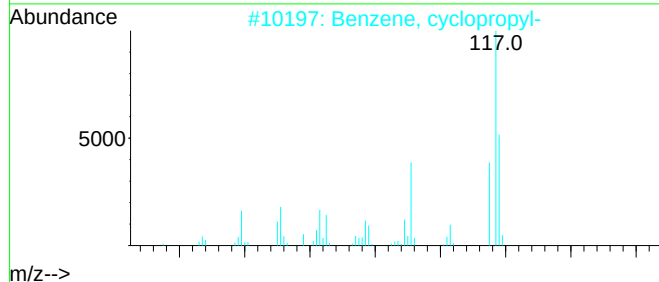
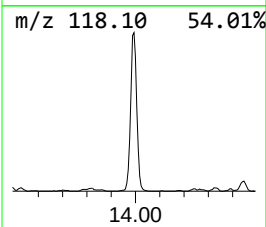
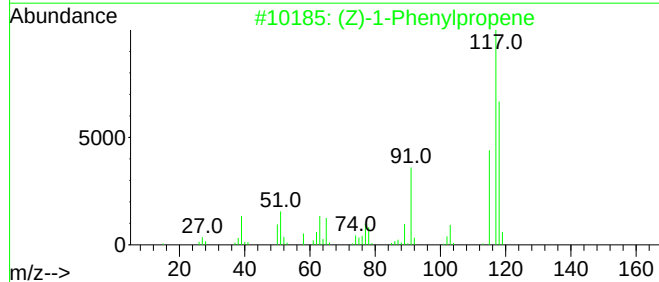
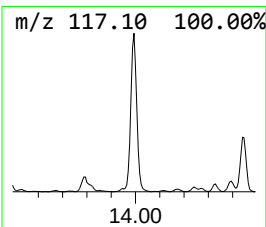
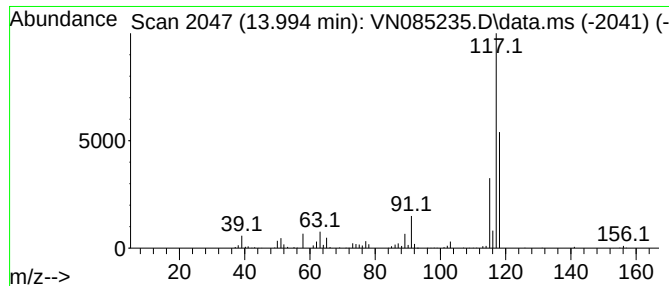
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Quant Title : SW846 8260

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

Peak Number 7 (Z)-1-Phenylpropene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	71.04 ug/l	1096450	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
3	Indane	118	C9H10	000496-11-7	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

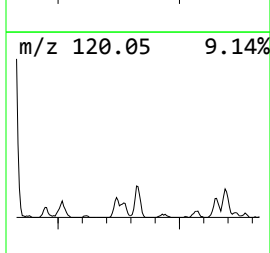
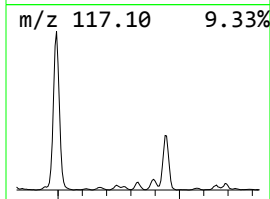
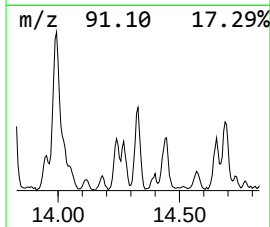
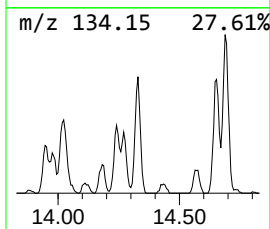
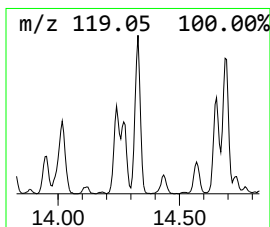
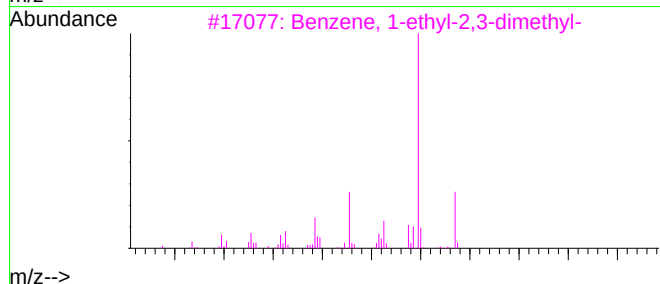
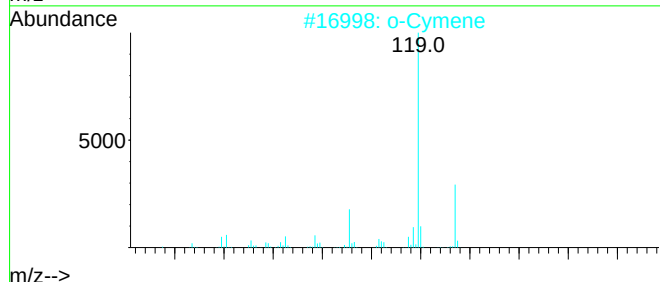
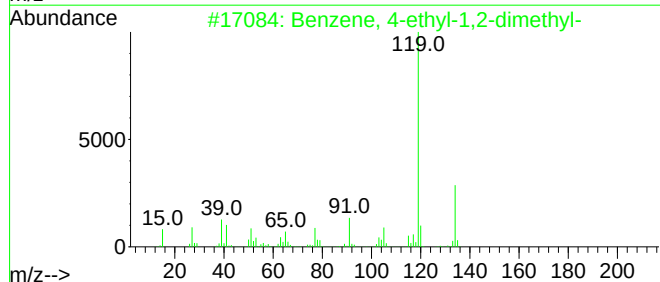
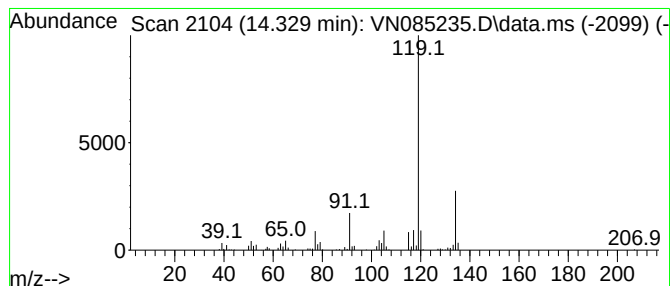
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.329	18.86 ug/l	291161	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

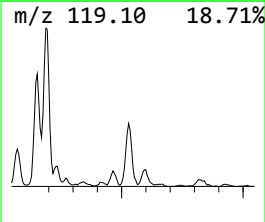
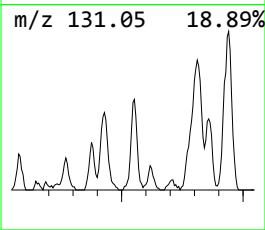
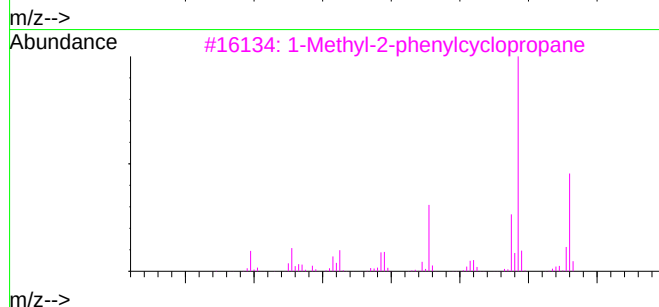
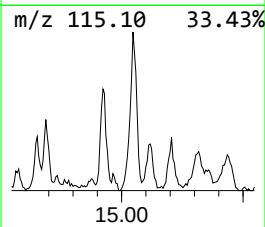
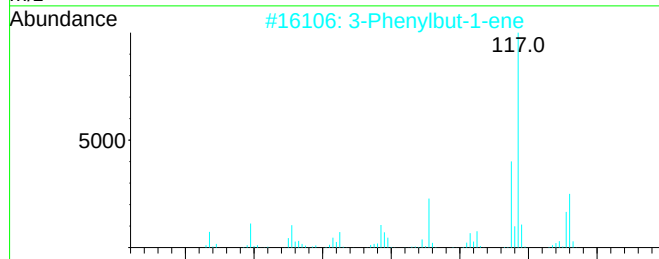
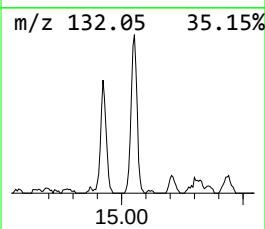
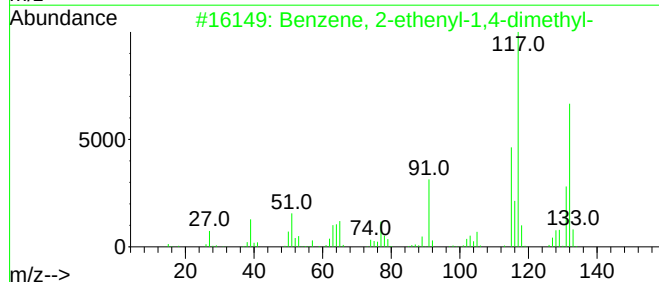
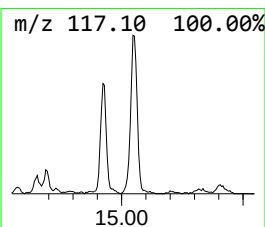
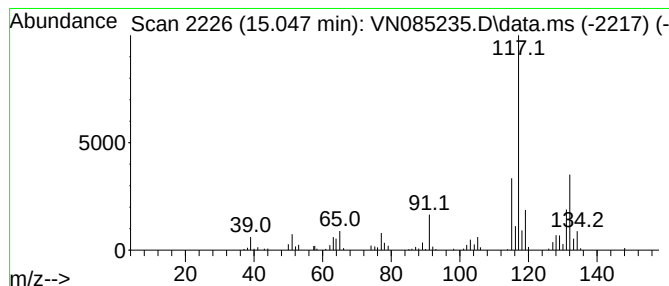
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.047	23.11 ug/l	356754	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	93
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085235.D
Acq On : 17 Dec 2024 19:34
Operator : JC\MD
Sample : P5291-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methyl-	3.247	33.1	ug/l	504779	1	8.224	763234	50.0
Pentane, 2-methyl-	5.353	33.6	ug/l	512323	1	8.224	763234	50.0
Cyclopentane, m...	7.324	20.7	ug/l	315980	1	8.224	763234	50.0
Butane, 2-metho...	8.777	90.1	ug/l	1500340	2	9.100	832336	50.0
Benzene, 1-ethy...	13.094	23.7	ug/l	365137	4	13.788	771695	50.0
Benzene, 1-ethy...	13.335	52.8	ug/l	814254	4	13.788	771695	50.0
(Z)-1-Phenylpro...	13.994	71.0	ug/l	1096450	4	13.788	771695	50.0
Benzene, 4-ethy...	14.329	18.9	ug/l	291161	4	13.788	771695	50.0
Benzene, 2-ethe...	15.047	23.1	ug/l	356754	4	13.788	771695	50.0

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24	
Client Sample ID:	MW6-20241213-ADL		SDG No.:	P5291	
Lab Sample ID:	P5291-10DL		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085259.D	10		12/18/24 18:44	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	2.10	UD	2.10	10.0	ug/L
74-87-3	Chloromethane	3.50	UD	3.50	10.0	ug/L
75-01-4	Vinyl Chloride	3.40	UD	3.40	10.0	ug/L
74-83-9	Bromomethane	13.6	UD	13.6	50.0	ug/L
75-00-3	Chloroethane	5.60	UD	5.60	10.0	ug/L
75-69-4	Trichlorofluoromethane	3.40	UD	3.40	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	2.50	10.0	ug/L
75-35-4	1,1-Dichloroethene	2.60	UD	2.60	10.0	ug/L
67-64-1	Acetone	13.9	UD	13.9	50.0	ug/L
75-15-0	Carbon Disulfide	3.20	UD	3.20	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	9.90	JD	1.60	10.0	ug/L
79-20-9	Methyl Acetate	6.00	UD	6.00	10.0	ug/L
75-09-2	Methylene Chloride	3.20	UD	3.20	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	2.50	UD	2.50	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	10.0	ug/L
110-82-7	Cyclohexane	16.2	UD	16.2	50.0	ug/L
78-93-3	2-Butanone	13.0	UD	13.0	50.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	2.50	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	2.50	UD	2.50	10.0	ug/L
74-97-5	Bromochloromethane	1.80	UD	1.80	10.0	ug/L
67-66-3	Chloroform	2.60	UD	2.60	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	1.90	UD	1.90	10.0	ug/L
108-87-2	Methylcyclohexane	22.3	D	1.90	10.0	ug/L
71-43-2	Benzene	380	D	1.60	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.40	UD	2.40	10.0	ug/L
79-01-6	Trichloroethene	3.20	UD	3.20	10.0	ug/L
78-87-5	1,2-Dichloropropane	1.90	UD	1.90	10.0	ug/L
75-27-4	Bromodichloromethane	2.40	UD	2.40	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	7.50	UD	7.50	50.0	ug/L
108-88-3	Toluene	77.2	D	1.80	10.0	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW6-20241213-ADL			SDG No.:	P5291
Lab Sample ID:	P5291-10DL			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085259.D	10		12/18/24 18:44	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	2.10	UD	2.10	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.80	UD	1.80	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	10.0	ug/L
591-78-6	2-Hexanone	11.3	UDQ	11.3	50.0	ug/L
124-48-1	Dibromochloromethane	1.80	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	1.60	UD	1.60	10.0	ug/L
127-18-4	Tetrachloroethene	2.50	UD	2.50	10.0	ug/L
108-90-7	Chlorobenzene	1.30	UD	1.30	10.0	ug/L
100-41-4	Ethyl Benzene	130	D	1.60	10.0	ug/L
179601-23-1	m/p-Xylenes	350	D	3.10	20.0	ug/L
95-47-6	o-Xylene	110	D	1.40	10.0	ug/L
100-42-5	Styrene	1.60	UD	1.60	10.0	ug/L
75-25-2	Bromoform	2.10	UD	2.10	10.0	ug/L
98-82-8	Isopropylbenzene	5.50	JD	1.30	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.70	UD	2.70	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	2.40	UD	2.40	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	2.70	UD	2.70	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	1.90	UD	1.90	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	UD	4.60	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	4.20	UD	4.20	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.10	UD	5.10	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	48.7		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	96200	8.224			
540-36-3	1,4-Difluorobenzene	181000	9.1			
3114-55-4	Chlorobenzene-d5	157000	11.864			
3855-82-1	1,4-Dichlorobenzene-d4	70500	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW6-20241213-ADL			SDG No.:	P5291
Lab Sample ID:	P5291-10DL			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085259.D	10		12/18/24 18:44	VN121824

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085259.D
 Acq On : 18 Dec 2024 18:44
 Operator : JC\MD
 Sample : P5291-10DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213-ADL

Quant Time: Dec 19 08:36:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

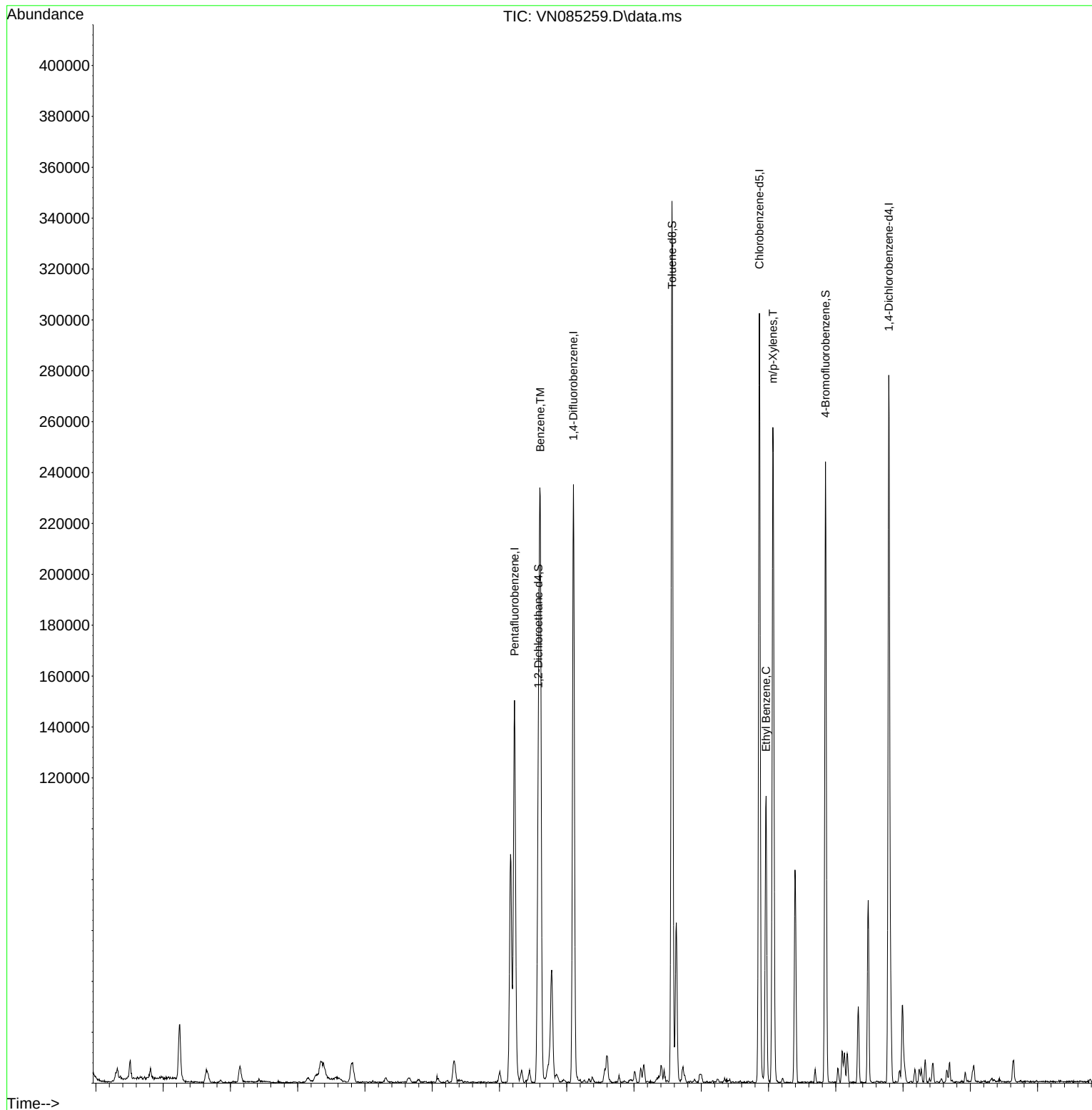
Internal Standards						
1) Pentafluorobenzene	8.224	168	96192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	181407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	156548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	70463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	85847	51.060	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.120%			
35) Dibromofluoromethane	8.165	113	61548	48.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.520%			
50) Toluene-d8	10.565	98	226792	48.652	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.300%			
62) 4-Bromofluorobenzene	12.847	95	78073	46.892	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.780%			
Target Compounds						
19) Methyl tert-butyl Ether	5.794	73	3727	0.990	ug/l #	1
39) Methylcyclohexane	9.600	83	4128	2.234	ug/l #	83
40) Benzene	8.606	78	207830	37.618	ug/l	100
52) Toluene	10.629	92	25654	7.722	ug/l	97
67) Ethyl Benzene	11.964	91	77456	12.842	ug/l	100
68) m/p-Xylenes	12.064	106	79448	35.218	ug/l	97
69) o-Xylene	12.394	106	23131	10.909	ug/l	94
73) Isopropylbenzene	12.694	105	2803	0.551	ug/l	91
78) n-propylbenzene	13.029	91	4990	0.800	ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	6041	1.425	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	38472	8.877	ug/l	100

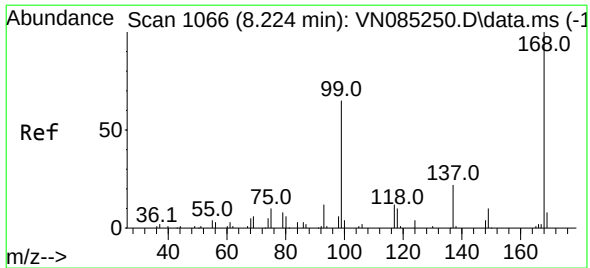
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085259.D
Acq On : 18 Dec 2024 18:44
Operator : JC\MD
Sample : P5291-10DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-ADL

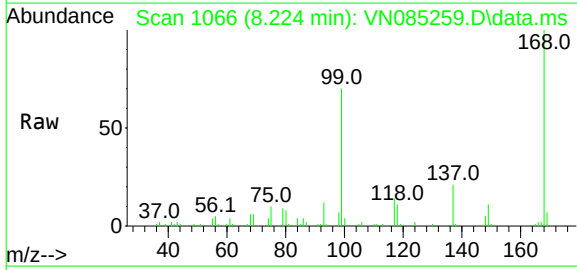
Quant Time: Dec 19 08:36:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration



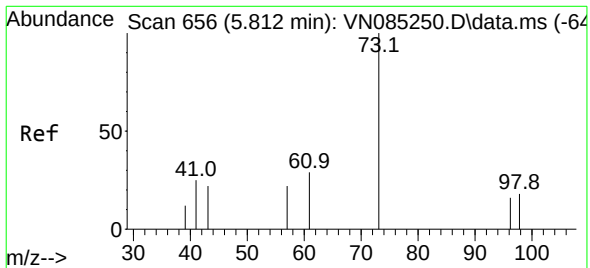
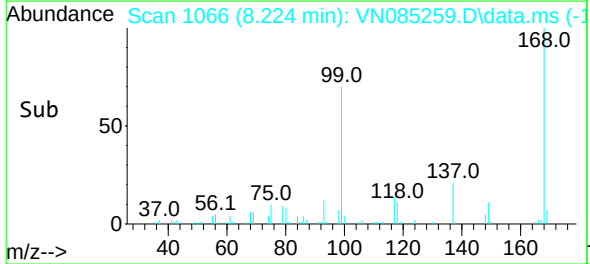
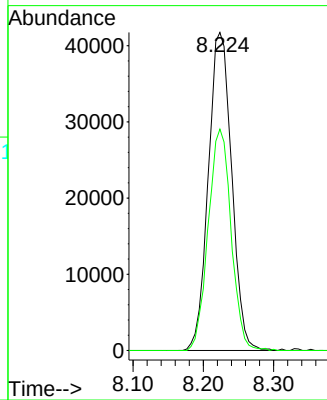


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085259.D
Acq: 18 Dec 2024 18:44

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213-ADL

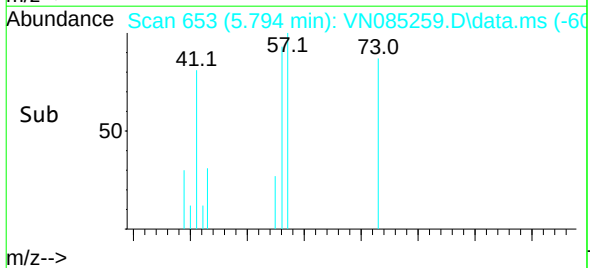
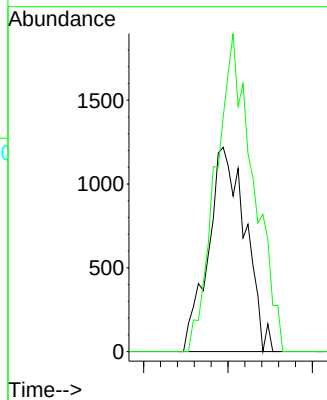
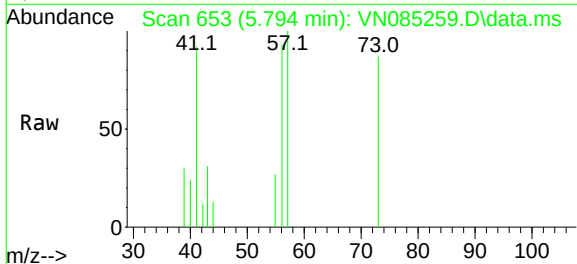


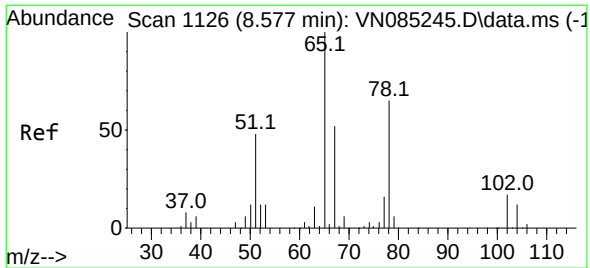
Tgt Ion: 168 Resp: 96192
Ion Ratio Lower Upper
168 100
99 69.6 50.7 76.1



#19
Methyl tert-butyl Ether
Concen: 0.990 ug/l
RT: 5.794 min Scan# 653
Delta R.T. -0.000 min
Lab File: VN085259.D
Acq: 18 Dec 2024 18:44

Tgt Ion: 73 Resp: 3727
Ion Ratio Lower Upper
73 100
57 115.0 17.0 25.6#





#33

1,2-Dichloroethane-d4

Concen: 51.060 ug/l

RT: 8.576 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085259.D

Acq: 18 Dec 2024 18:44

Instrument :

MSVOA_N

ClientSampleId :

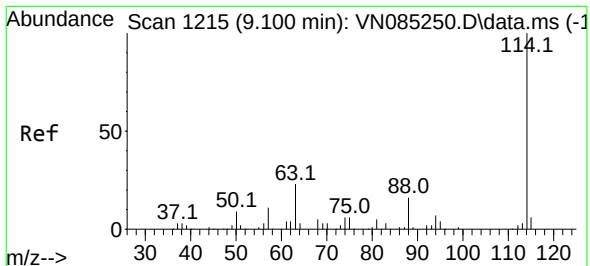
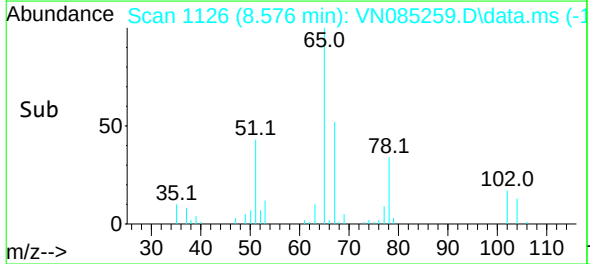
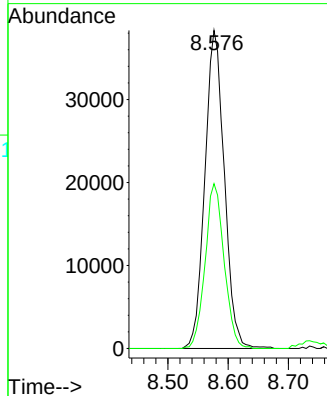
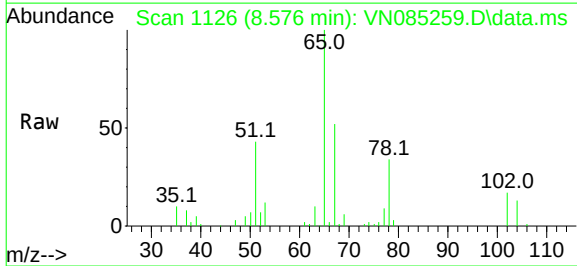
MW6-20241213-ADL

Tgt Ion: 65 Resp: 85847

Ion Ratio Lower Upper

65 100

67 50.5 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN085259.D

Acq: 18 Dec 2024 18:44

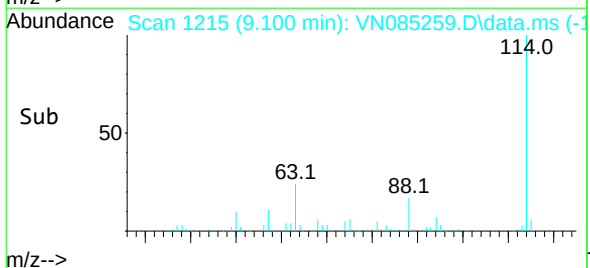
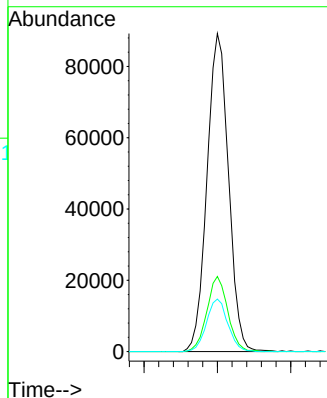
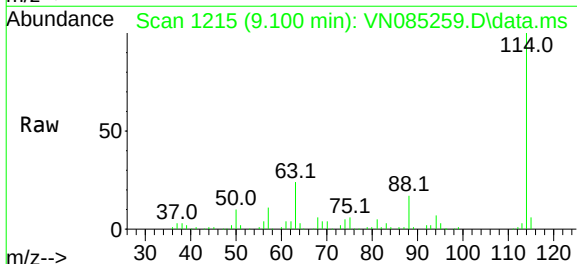
Tgt Ion: 114 Resp: 181407

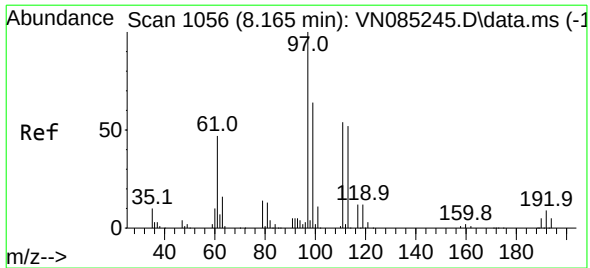
Ion Ratio Lower Upper

114 100

63 23.6 0.0 46.2

88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.258 ug/l

RT: 8.165 min Scan# 10

Delta R.T. -0.000 min

Lab File: VN085259.D

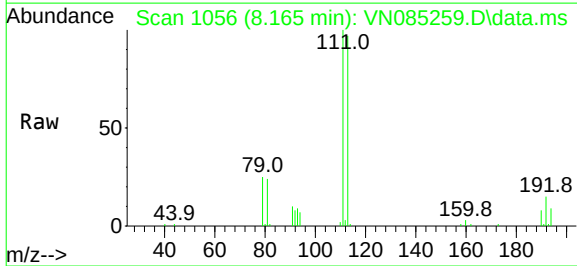
Acq: 18 Dec 2024 18:44

Instrument :

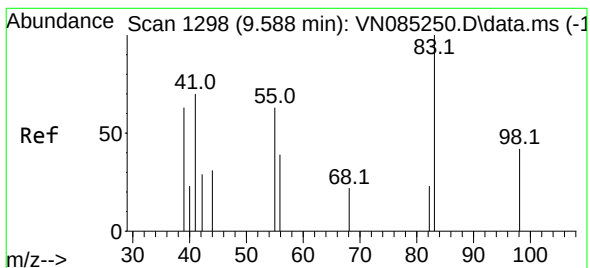
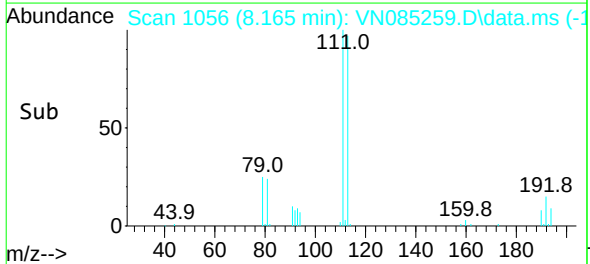
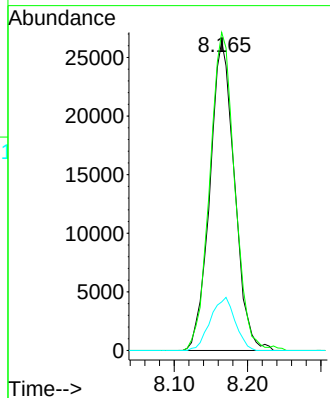
MSVOA_N

ClientSampleId :

MW6-20241213-ADL



Tgt Ion:	113	Resp:	61548
Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.1	123.1
192	17.2	13.4	20.0



#39

Methylcyclohexane

Concen: 2.234 ug/l

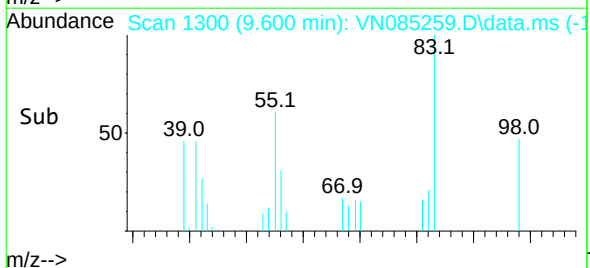
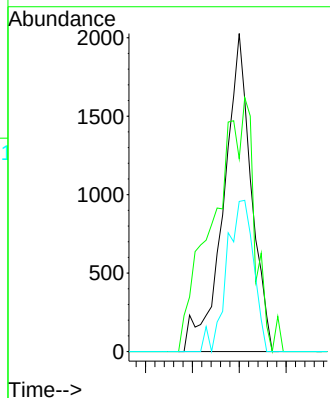
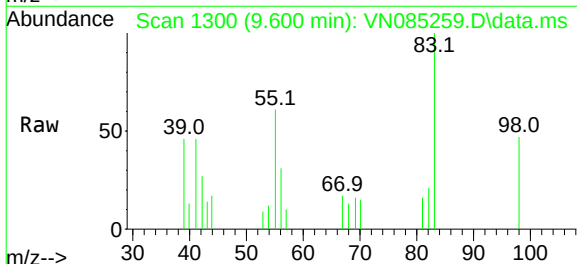
RT: 9.600 min Scan# 1300

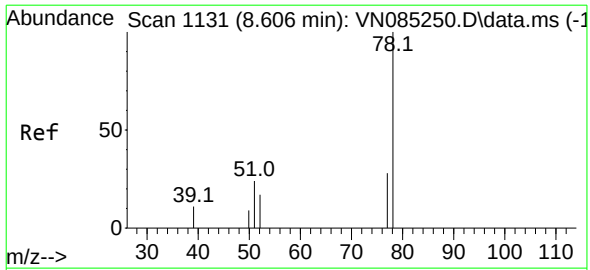
Delta R.T. -0.000 min

Lab File: VN085259.D

Acq: 18 Dec 2024 18:44

Tgt Ion:	83	Resp:	4128
Ion	Ratio	Lower	Upper
83	100		
55	60.6	66.8	100.2
98	47.2	39.4	59.2





#40

Benzene

Concen: 37.618 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085259.D

Acq: 18 Dec 2024 18:44

Instrument :

MSVOA_N

ClientSampleId :

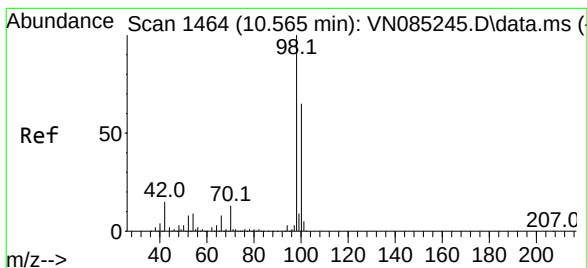
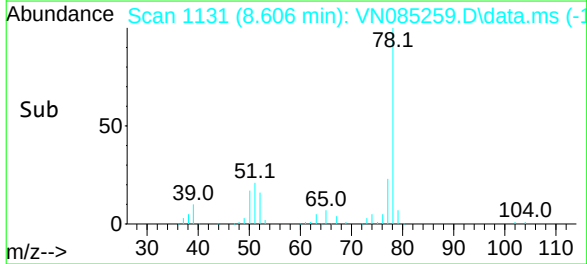
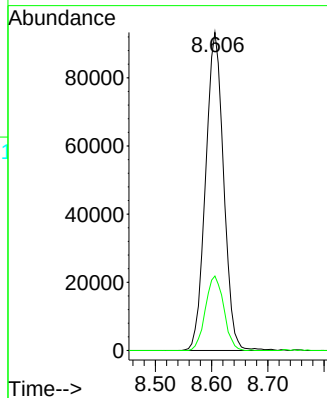
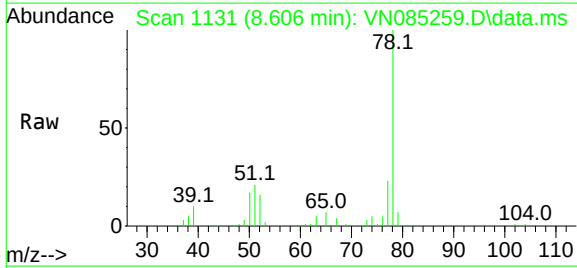
MW6-20241213-ADL

Tgt Ion: 78 Resp: 207830

Ion Ratio Lower Upper

78 100

77 23.4 18.9 28.3



#50

Toluene-d8

Concen: 48.652 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085259.D

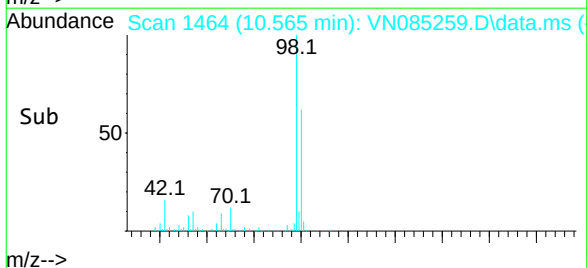
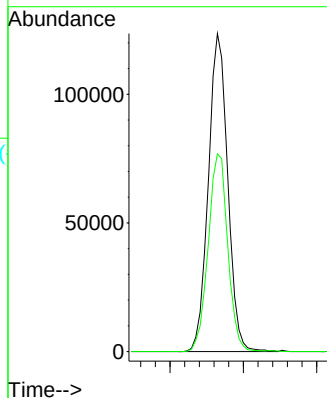
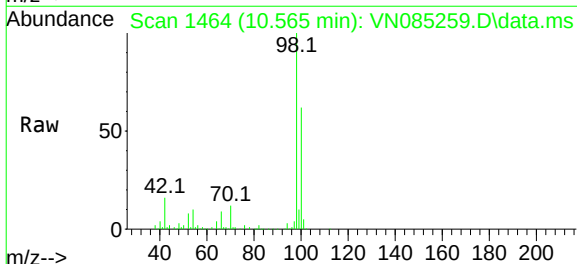
Acq: 18 Dec 2024 18:44

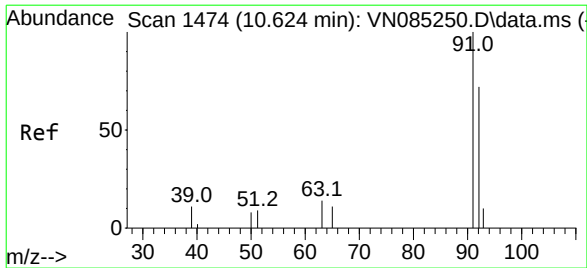
Tgt Ion: 98 Resp: 226792

Ion Ratio Lower Upper

98 100

100 62.9 51.6 77.4





#52

Toluene

Concen: 7.722 ug/l

RT: 10.629 min Scan# 1474

Delta R.T. -0.000 min

Lab File: VN085259.D

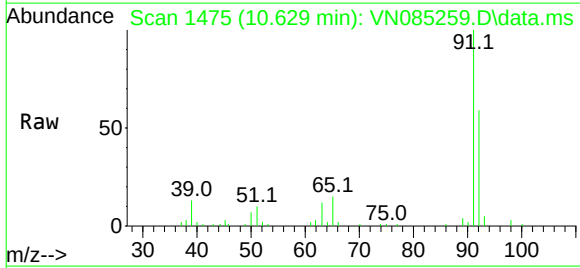
Acq: 18 Dec 2024 18:44

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-ADL

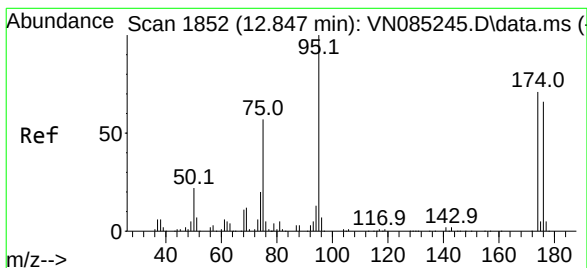
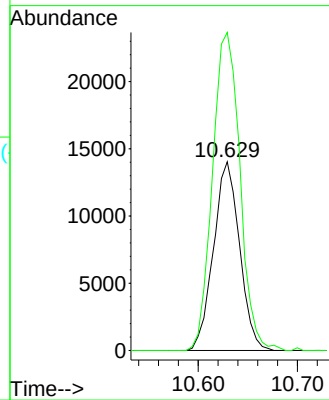
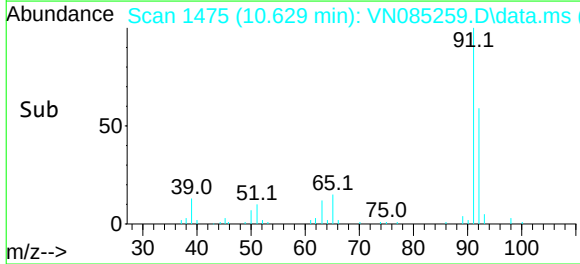


Tgt Ion: 92 Resp: 25654

Ion Ratio Lower Upper

92 100

91 177.2 138.9 208.3



#62

4-Bromofluorobenzene

Concen: 46.892 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085259.D

Acq: 18 Dec 2024 18:44

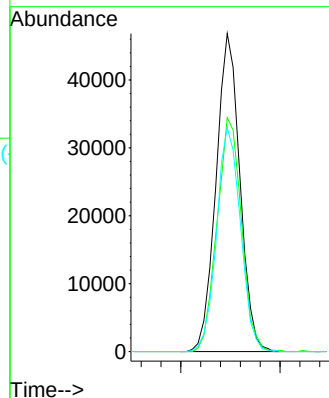
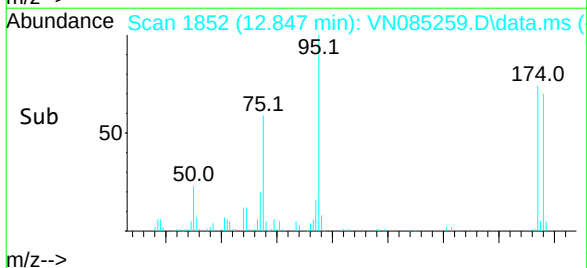
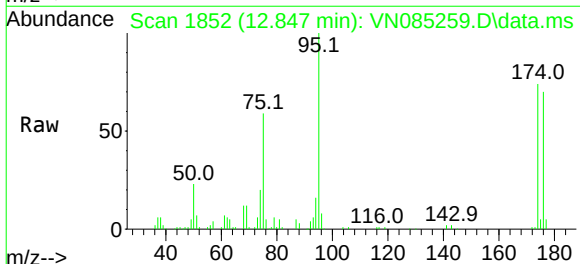
Tgt Ion: 95 Resp: 78073

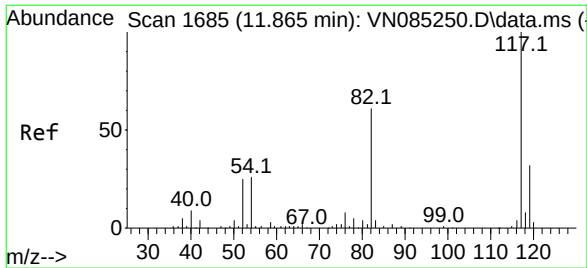
Ion Ratio Lower Upper

95 100

174 75.2 0.0 144.4

176 70.9 0.0 136.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.864 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN085259.D

Acq: 18 Dec 2024 18:44

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-ADL

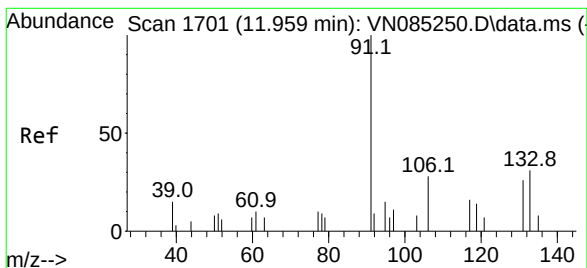
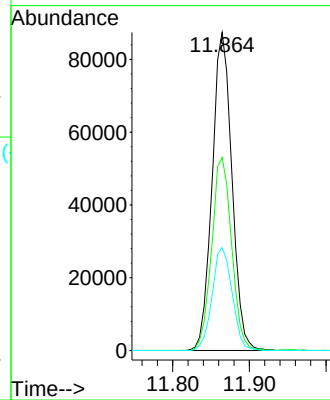
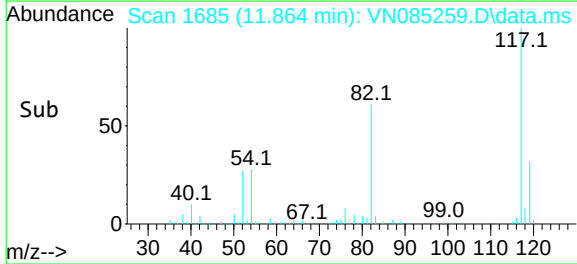
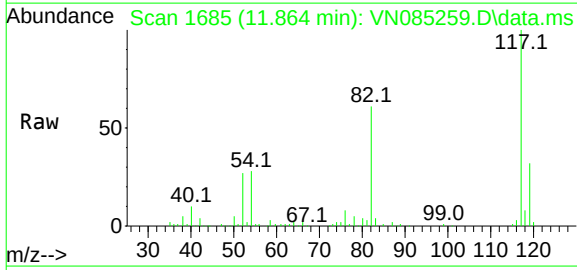
Tgt Ion:117 Resp: 156548

Ion Ratio Lower Upper

117 100

82 60.7 47.4 71.2

119 32.4 25.6 38.4



#67

Ethyl Benzene

Concen: 12.842 ug/l

RT: 11.964 min Scan# 1702

Delta R.T. 0.006 min

Lab File: VN085259.D

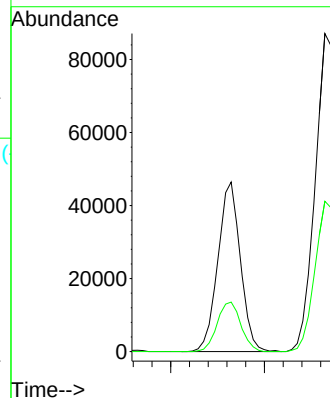
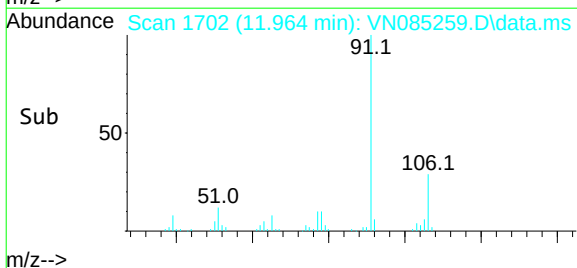
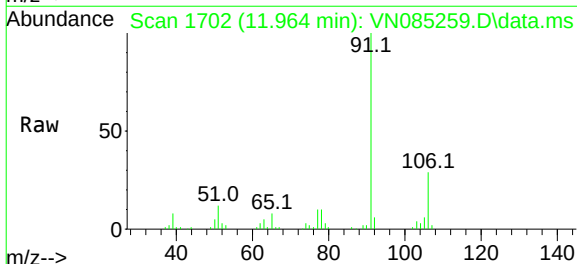
Acq: 18 Dec 2024 18:44

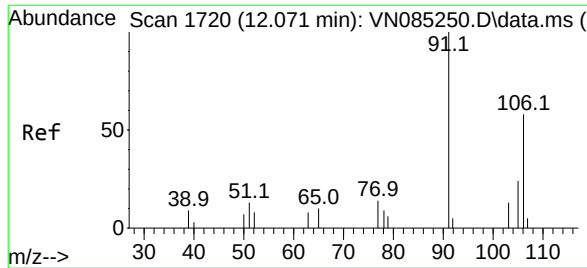
Tgt Ion: 91 Resp: 77456

Ion Ratio Lower Upper

91 100

106 29.2 23.5 35.3





#68

m/p-Xylenes

Concen: 35.218 ug/l

RT: 12.064 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN085259.D

Acq: 18 Dec 2024 18:44

Instrument :

MSVOA_N

ClientSampleId :

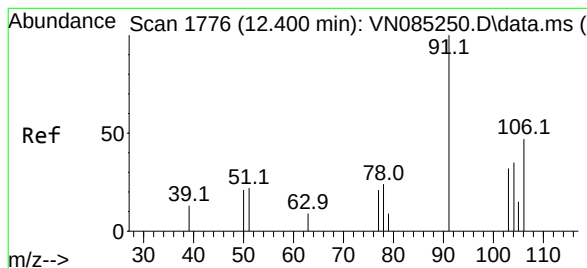
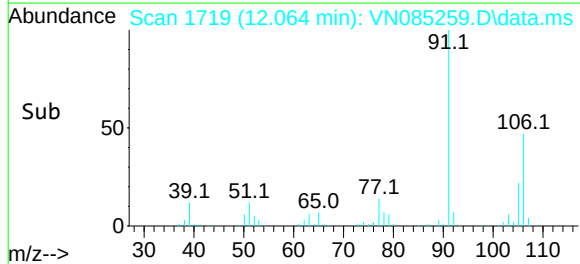
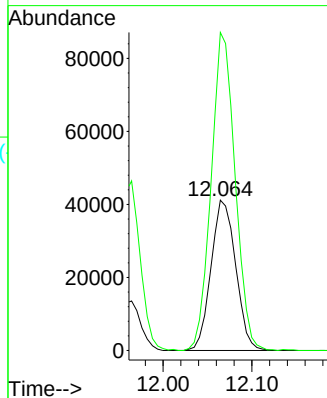
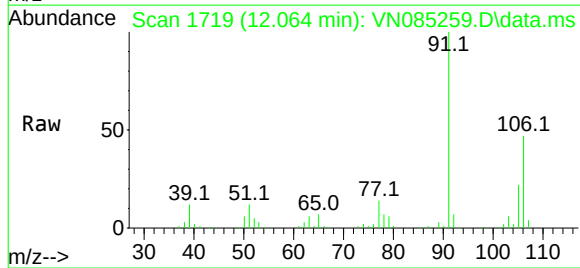
MW6-20241213-ADL

Tgt Ion:106 Resp: 79448

Ion Ratio Lower Upper

106 100

91 205.4 168.3 252.5



#69

o-Xylene

Concen: 10.909 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. -0.000 min

Lab File: VN085259.D

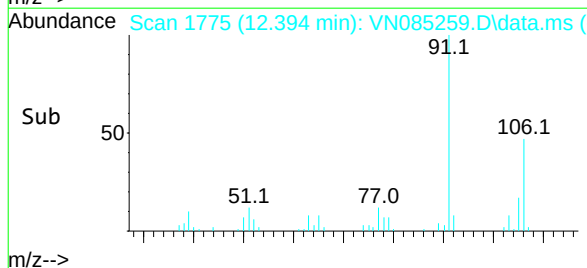
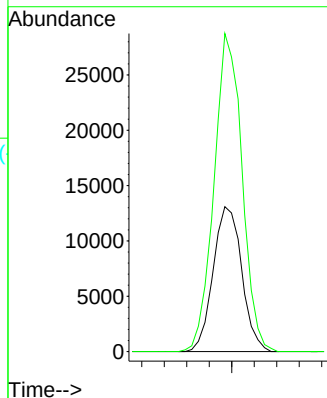
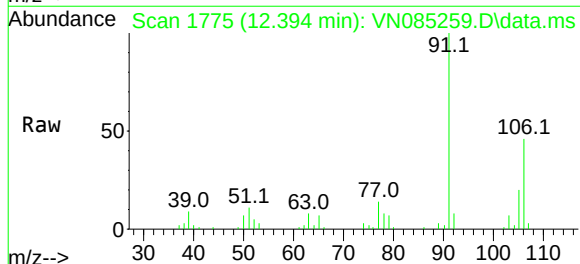
Acq: 18 Dec 2024 18:44

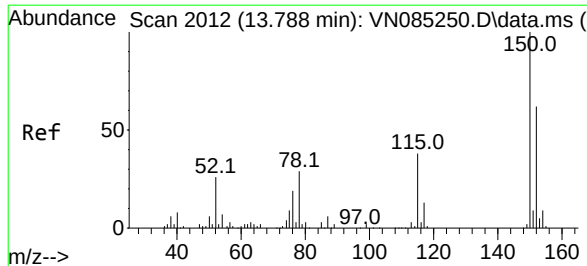
Tgt Ion:106 Resp: 23131

Ion Ratio Lower Upper

106 100

91 215.1 112.1 336.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085259.D

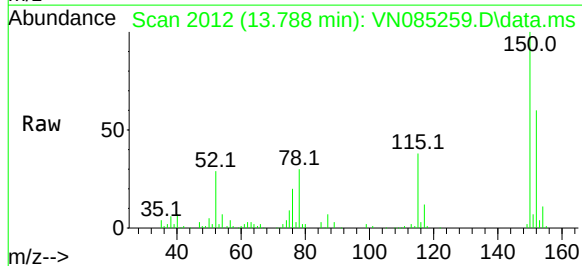
Acq: 18 Dec 2024 18:44

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-ADL



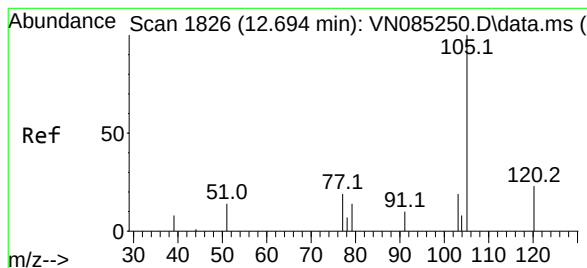
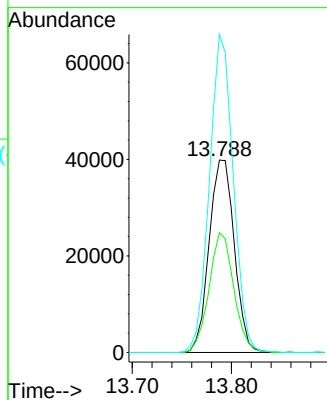
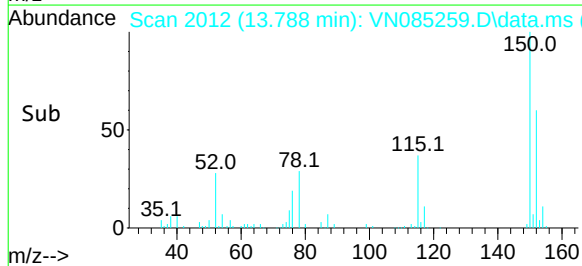
Tgt Ion:152 Resp: 70463

Ion Ratio Lower Upper

152 100

115 61.4 32.1 96.3

150 156.2 0.0 354.6



#73

Isopropylbenzene

Concen: 0.551 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085259.D

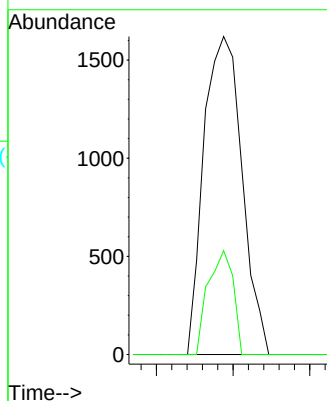
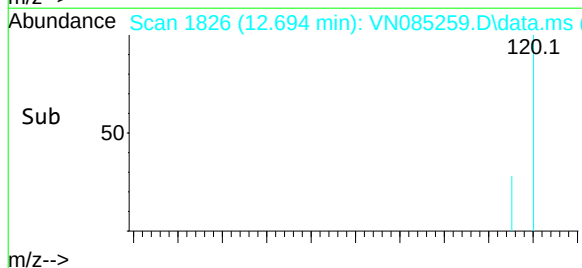
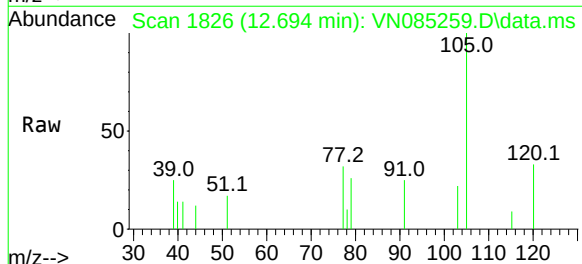
Acq: 18 Dec 2024 18:44

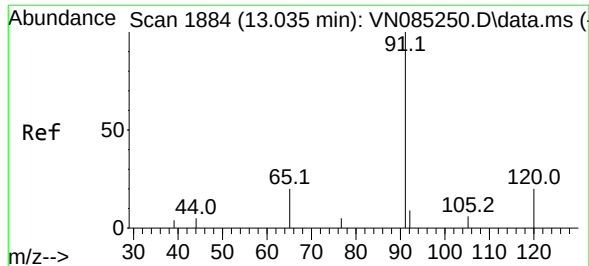
Tgt Ion:105 Resp: 2803

Ion Ratio Lower Upper

105 100

120 21.4 13.0 38.9





#78

n-propylbenzene

Concen: 0.800 ug/l

RT: 13.029 min Scan# 18

Delta R.T. -0.006 min

Lab File: VN085259.D

Acq: 18 Dec 2024 18:44

Instrument :

MSVOA_N

ClientSampleId :

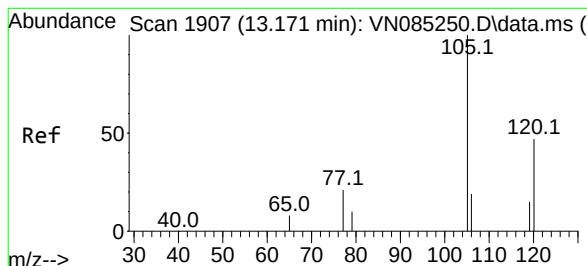
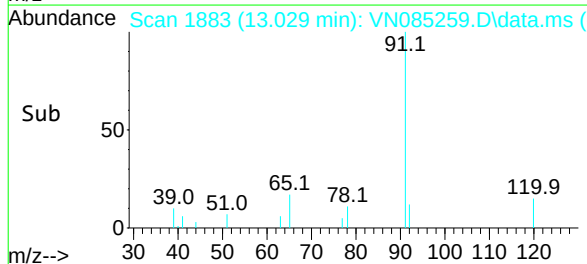
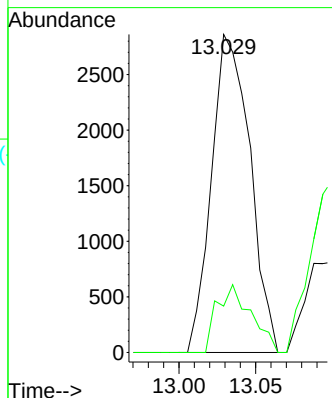
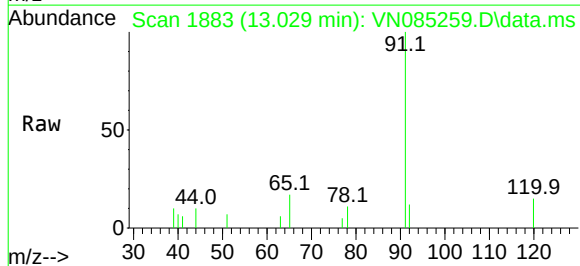
MW6-20241213-ADL

Tgt Ion: 91 Resp: 4990

Ion Ratio Lower Upper

91 100

120 18.8 10.8 32.3



#80

1,3,5-Trimethylbenzene

Concen: 1.425 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085259.D

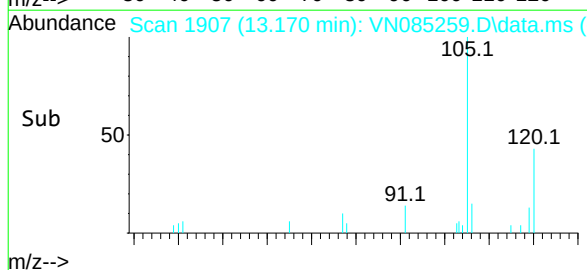
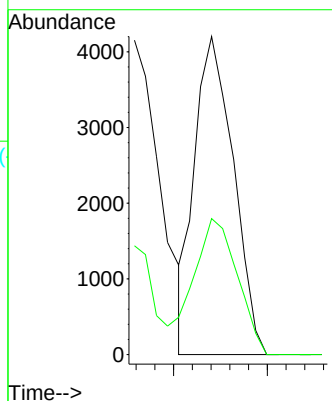
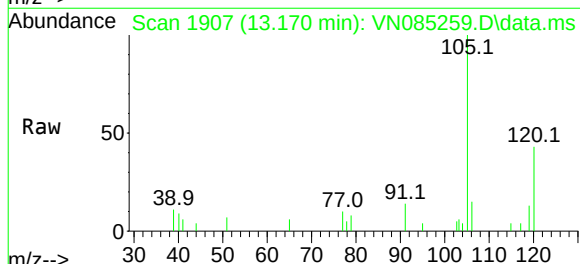
Acq: 18 Dec 2024 18:44

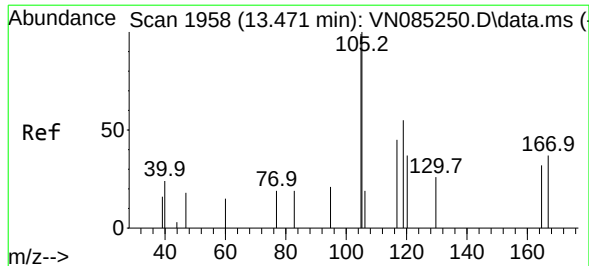
Tgt Ion: 105 Resp: 6041

Ion Ratio Lower Upper

105 100

120 48.9 23.4 70.2





#84

1,2,4-Trimethylbenzene

Concen: 8.877 ug/l

RT: 13.482 min Scan# 19

Delta R.T. -0.000 min

Lab File: VN085259.D

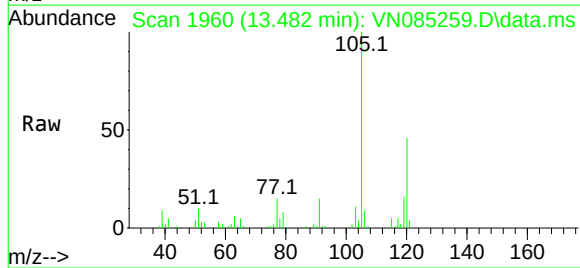
Acq: 18 Dec 2024 18:44

Instrument :

MSVOA_N

ClientSampleId :

MW6-20241213-ADL

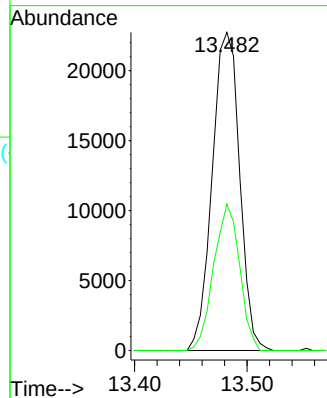
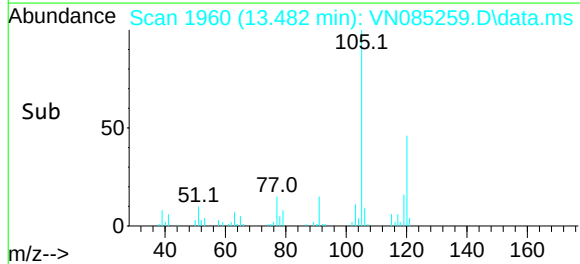


Tgt Ion:105 Resp: 38472

Ion Ratio Lower Upper

105 100

120 43.5 21.8 65.3



Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24	
Client Sample ID:	EQUIP-BLANK-20241213		SDG No.:	P5291	
Lab Sample ID:	P5291-11		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085261.D	1		12/18/24 19:33	VN121824

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
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	5.90		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
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	EQUIP-BLANK-20241213	SDG No.:	P5291
Lab Sample ID:	P5291-11	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085261.D	1		12/18/24 19:33	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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	UQ	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	51.0		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	47.6		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		77 - 121	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	102000	8.224			
540-36-3	1,4-Difluorobenzene	188000	9.1			
3114-55-4	Chlorobenzene-d5	161000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	62500	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24
Client Sample ID:	EQUIP-BLANK-20241213		SDG No.:	P5291
Lab Sample ID:	P5291-11		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085261.D	1		12/18/24 19:33	VN121824

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085261.D
Acq On : 18 Dec 2024 19:33
Operator : JC\MD
Sample : P5291-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EQUIP-BLANK-20241213

Quant Time: Dec 19 06:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration

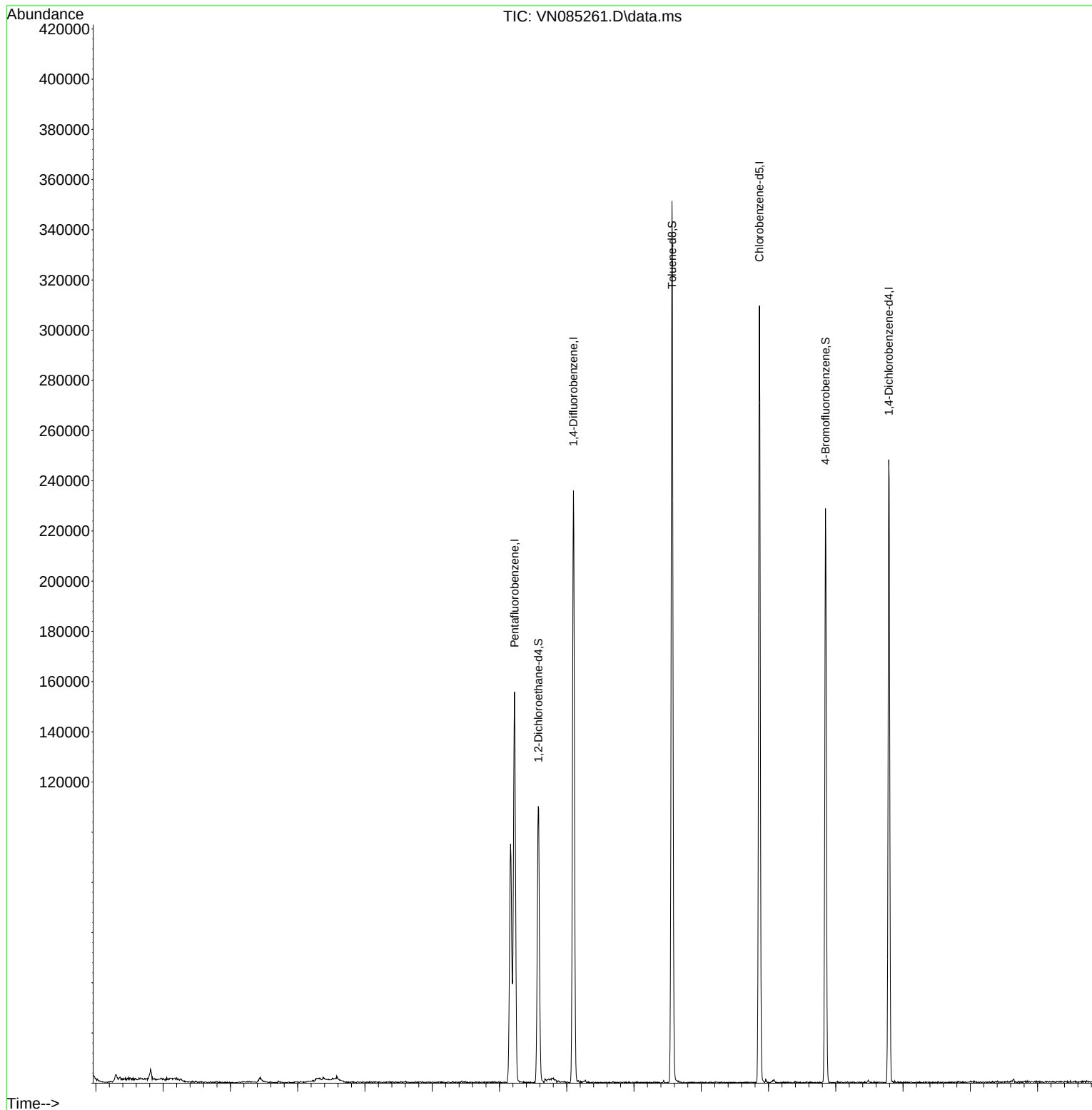
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	102235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	187663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	161222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	62465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	91200	51.038	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	102.080%	
35) Dibromofluoromethane	8.171	113	65713	49.806	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.620%	
50) Toluene-d8	10.565	98	229435	47.578	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	95.160%	
62) 4-Bromofluorobenzene	12.847	95	72343	42.002	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	84.000%	
Target Compounds						
16) Acetone	4.453	43	3668	5.947	ug/l	Qvalue # 81

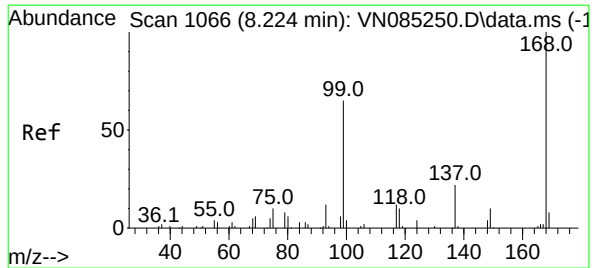
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085261.D
Acq On : 18 Dec 2024 19:33
Operator : JC\MD
Sample : P5291-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EQUIP-BLANK-20241213

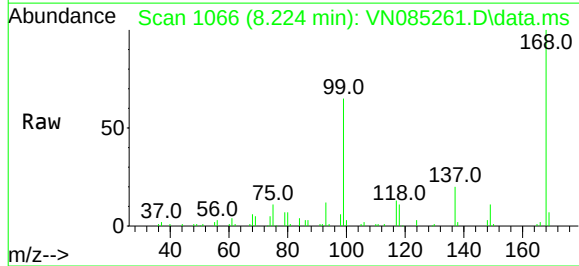
Quant Time: Dec 19 06:49:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration



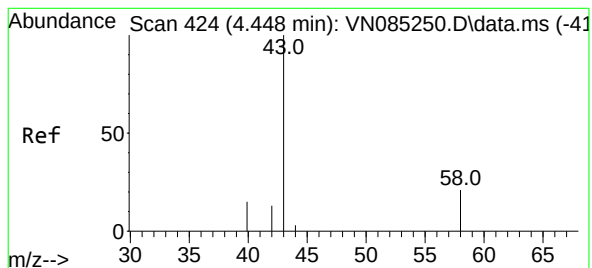
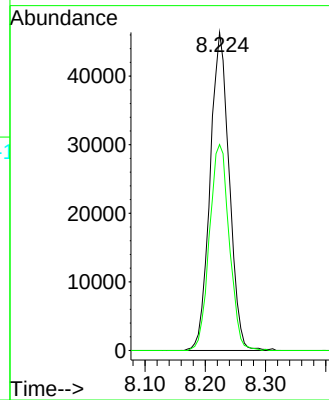
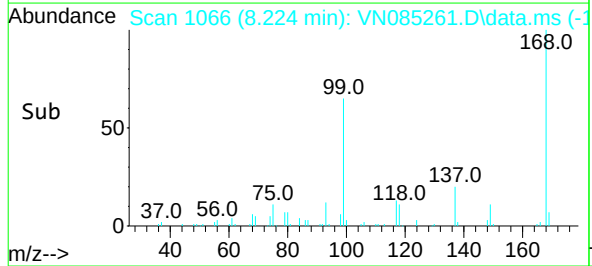


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Instrument :
MSVOA_N
ClientSampleId :
EQUIP-BLANK-20241213

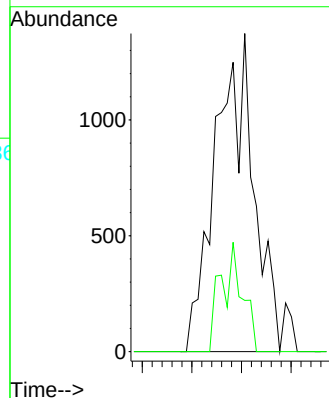
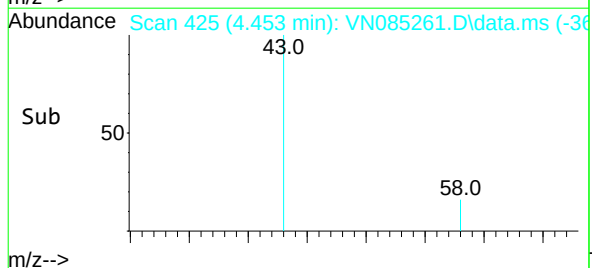
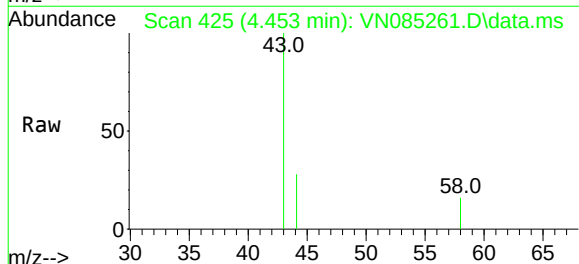


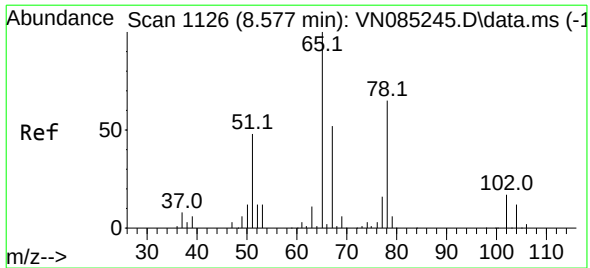
Tgt Ion: 168 Resp: 102235
Ion Ratio Lower Upper
168 100
99 64.8 50.7 76.1



#16
Acetone
Concen: 5.947 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.029 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Tgt Ion: 43 Resp: 3668
Ion Ratio Lower Upper
43 100
58 16.1 20.8 31.2#

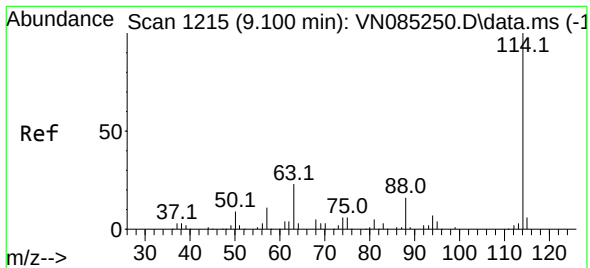
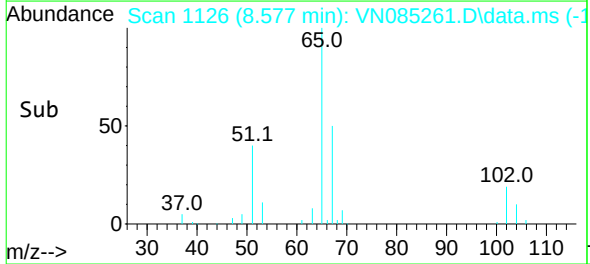
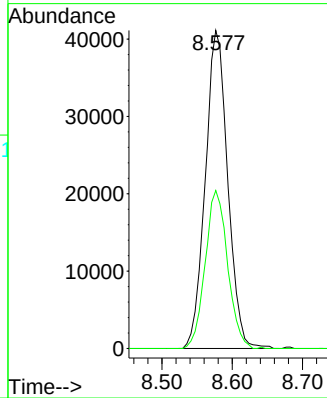
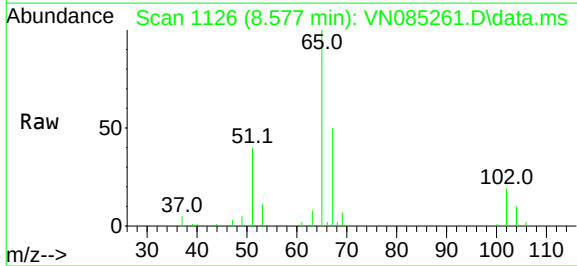




#33
1,2-Dichloroethane-d4
Concen: 51.038 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

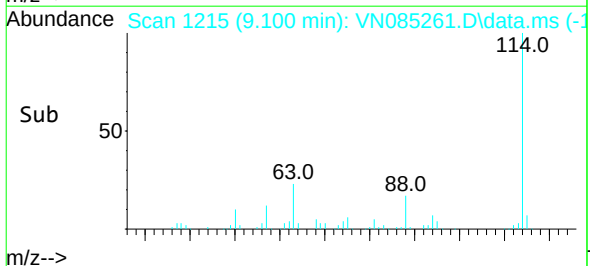
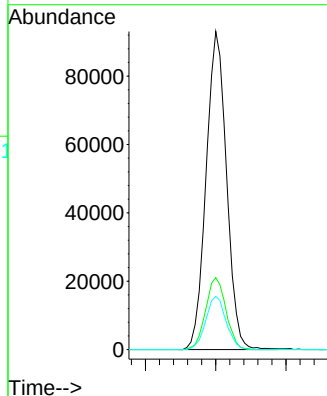
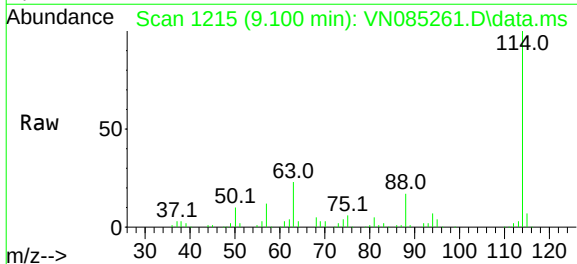
Instrument :
MSVOA_N
ClientSampleId :
EQUIP-BLANK-20241213

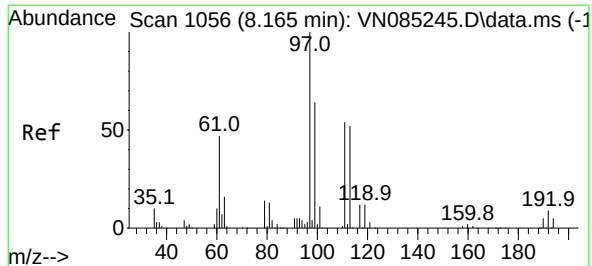
Tgt Ion: 65 Resp: 91200
Ion Ratio Lower Upper
65 100
67 49.6 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN085261.D
Acq: 18 Dec 2024 19:33

Tgt Ion: 114 Resp: 187663
Ion Ratio Lower Upper
114 100
63 22.6 0.0 46.2
88 16.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.806 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085261.D

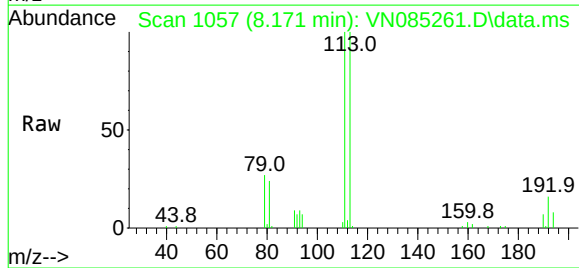
Acq: 18 Dec 2024 19:33

Instrument :

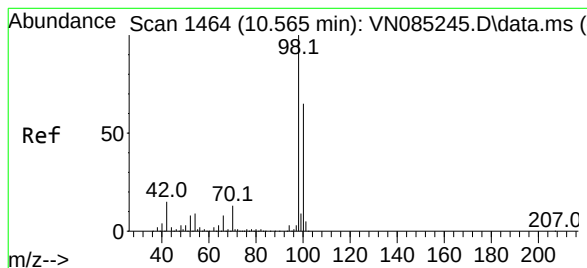
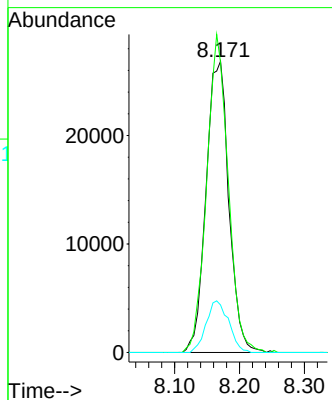
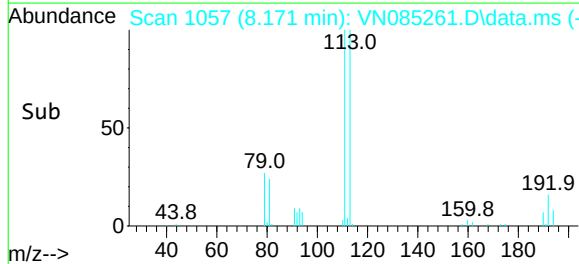
MSVOA_N

ClientSampleId :

EQUIP-BLANK-20241213



Tgt Ion:	113	Resp:	65713
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	17.5	13.4	20.0



#50

Toluene-d8

Concen: 47.578 ug/l

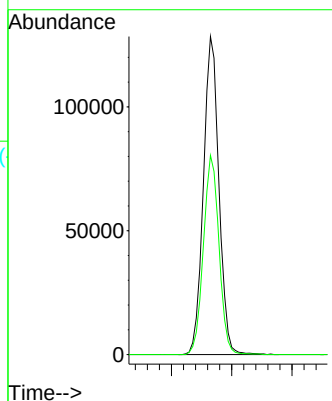
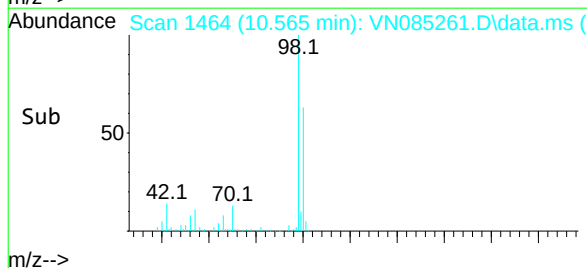
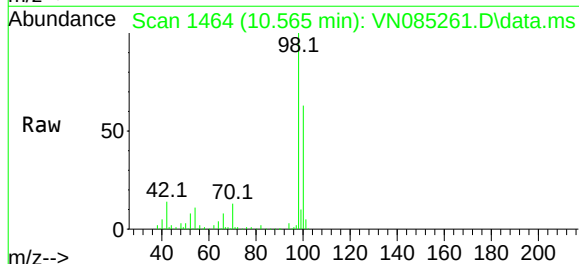
RT: 10.565 min Scan# 1464

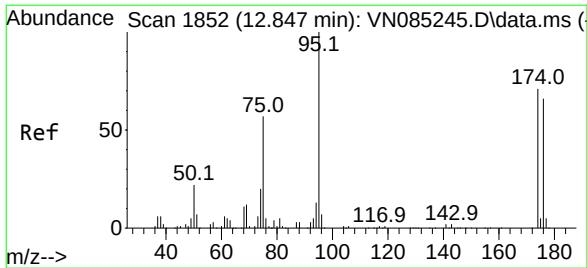
Delta R.T. -0.000 min

Lab File: VN085261.D

Acq: 18 Dec 2024 19:33

Tgt Ion:	98	Resp:	229435
Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.6	77.4





#62

4-Bromofluorobenzene

Concen: 42.002 ug/l

RT: 12.847 min Scan# 18

Delta R.T. -0.000 min

Lab File: VN085261.D

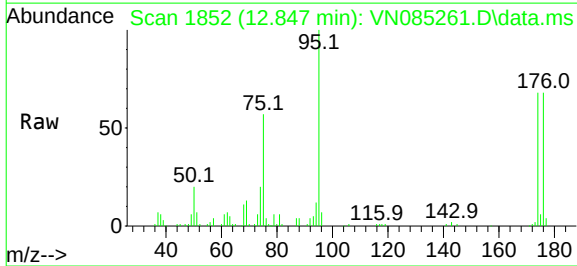
Acq: 18 Dec 2024 19:33

Instrument :

MSVOA_N

ClientSampleId :

EQUIP-BLANK-20241213



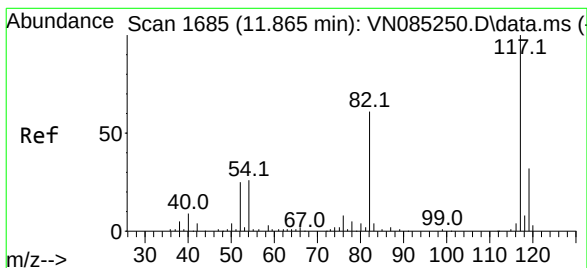
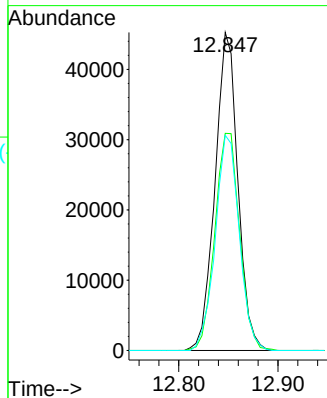
Tgt Ion: 95 Resp: 72343

Ion Ratio Lower Upper

95 100

174 74.1 0.0 144.4

176 71.1 0.0 136.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN085261.D

Acq: 18 Dec 2024 19:33

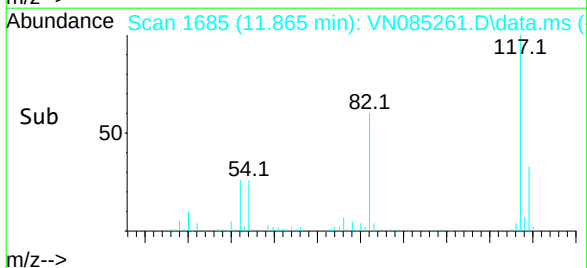
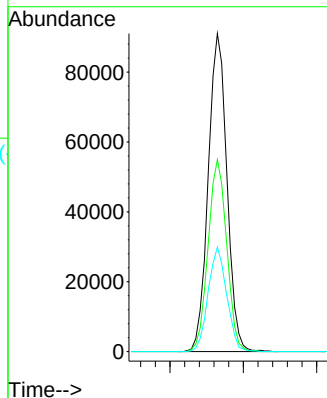
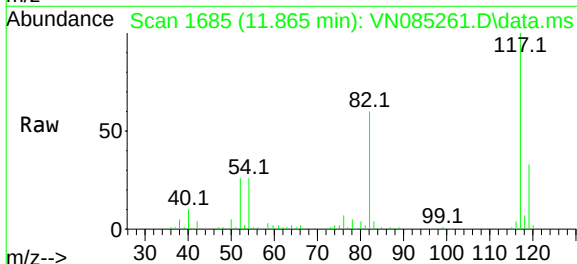
Tgt Ion: 117 Resp: 161222

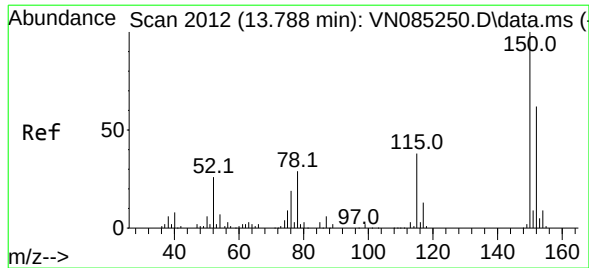
Ion Ratio Lower Upper

117 100

82 60.4 47.4 71.2

119 32.9 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN085261.D

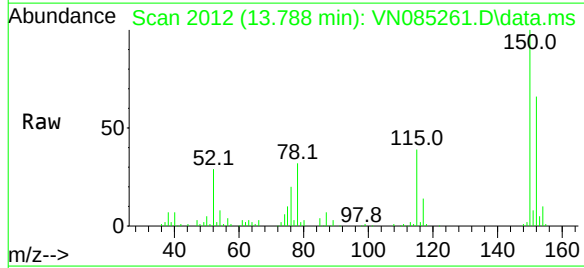
Acq: 18 Dec 2024 19:33

Instrument :

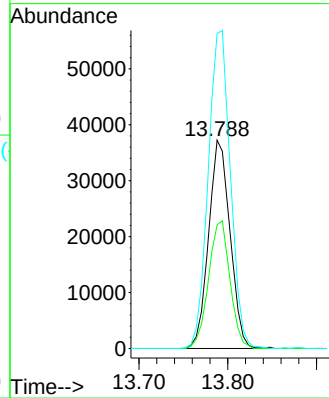
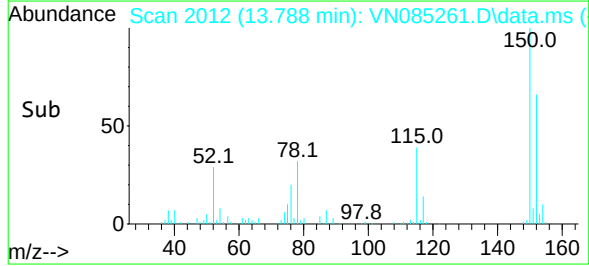
MSVOA_N

ClientSampleId :

EQUIP-BLANK-20241213



Tgt Ion:	152	Resp:	62465
Ion	Ratio	Lower	Upper
152	100		
115	61.1	32.1	96.3
150	157.7	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085261.D
Acq On : 18 Dec 2024 19:33
Operator : JC\MD
Sample : P5291-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EQUIP-BLANK-20241213

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Title : SW846 8260

Signal : TIC: VN085261.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	50	58	64	rBV3	3020	8287	1.31%	0.253%
2	2.812	140	146	150	rVB2	4106	7250	1.14%	0.221%
3	8.165	1047	1056	1061	rBV2	95329	229753	36.25%	7.004%
4	8.224	1061	1066	1076	rVB	155119	331370	52.29%	10.101%
5	8.577	1118	1126	1140	rBV	110147	248103	39.15%	7.563%
6	9.100	1206	1215	1224	rBV	236170	476682	75.21%	14.531%
7	10.565	1456	1464	1475	rBV	351009	633775	100.00%	19.320%
8	11.865	1677	1685	1698	rVB	309526	544229	85.87%	16.590%
9	12.847	1845	1852	1861	rVB	228914	381768	60.24%	11.638%
10	13.788	2005	2012	2019	rBV	248274	419245	66.15%	12.780%

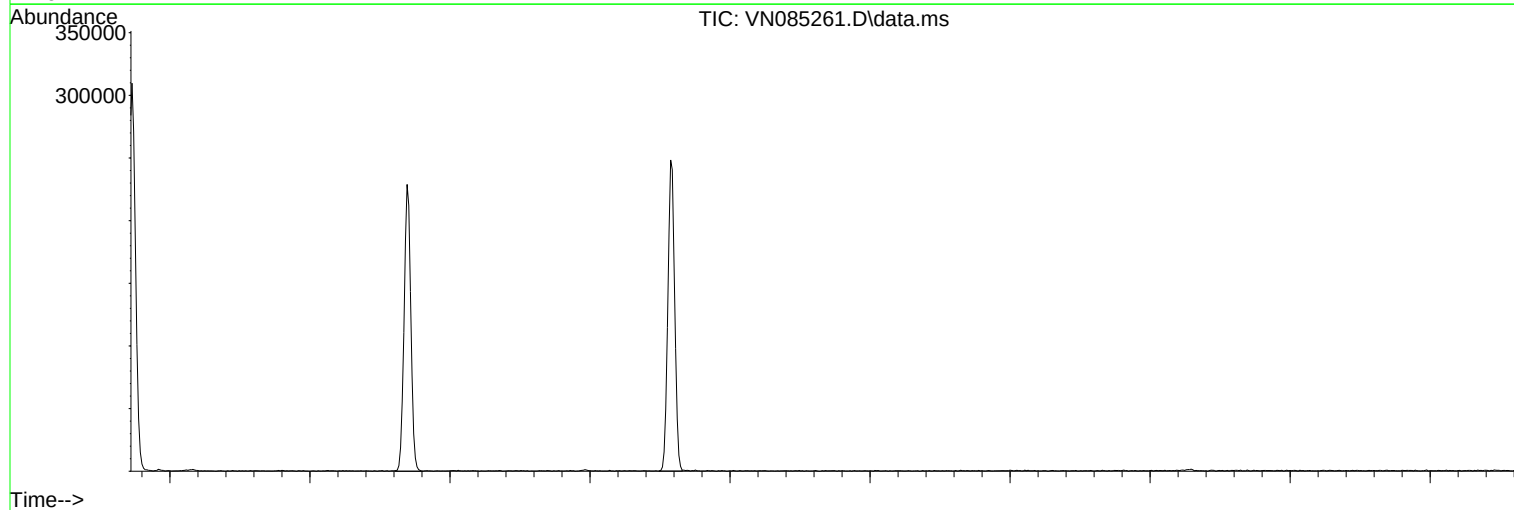
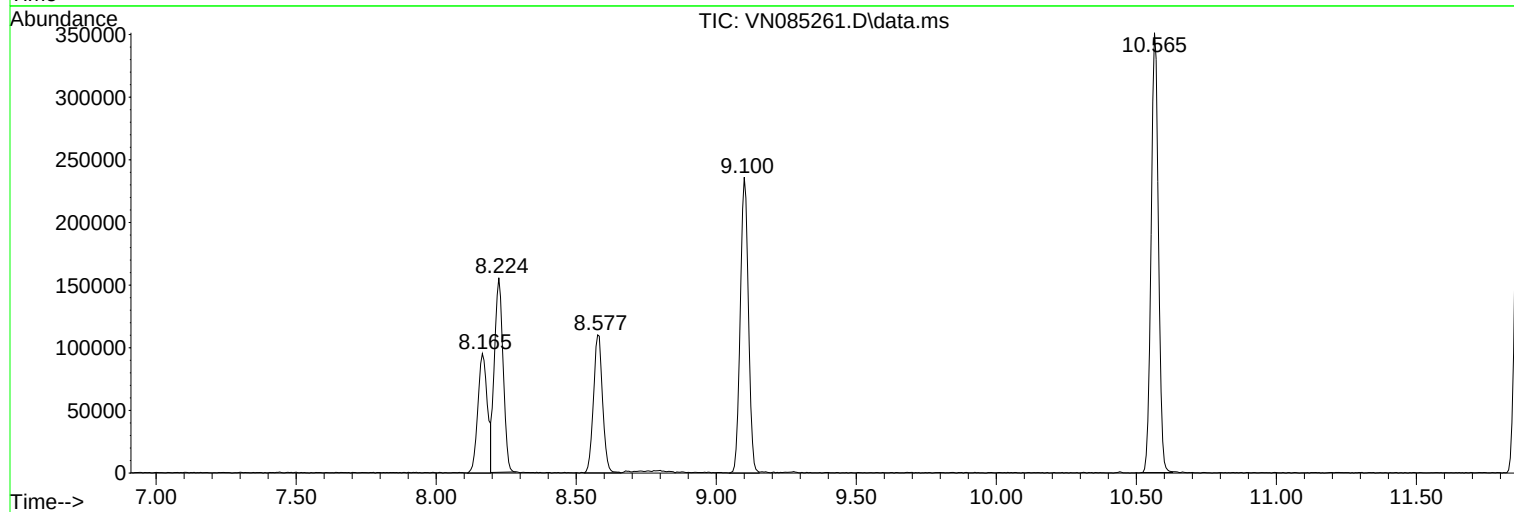
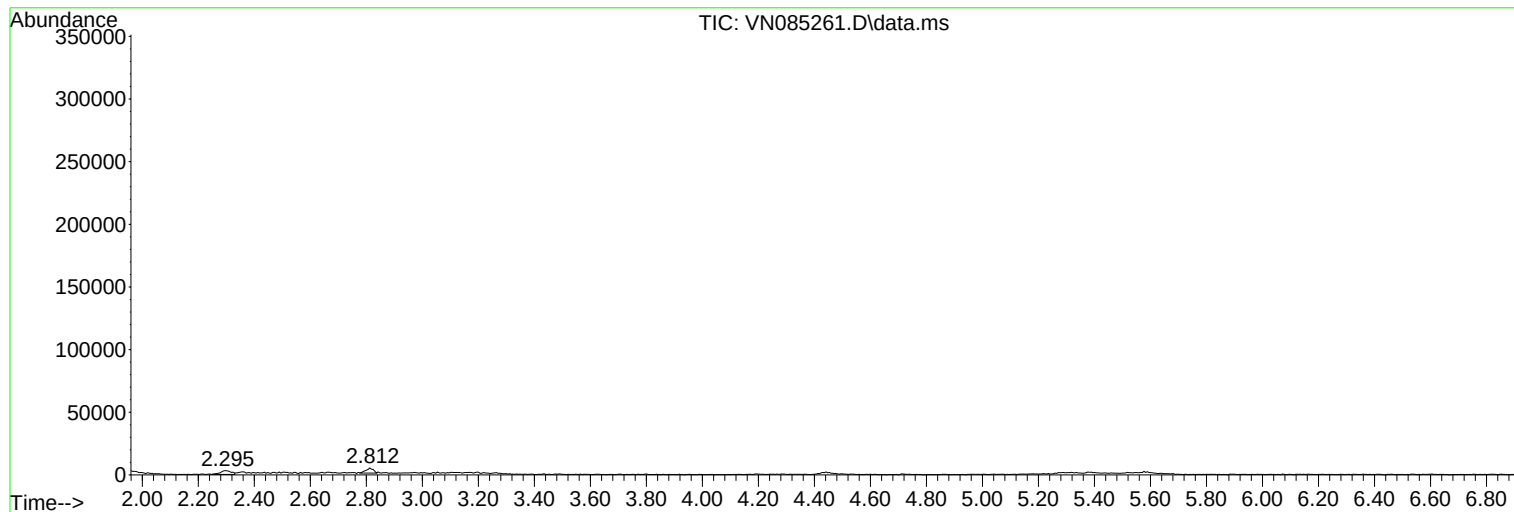
Sum of corrected areas: 3280462

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085261.D
Acq On : 18 Dec 2024 19:33
Operator : JC\MD
Sample : P5291-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EQUIP-BLANK-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085261.D
Acq On : 18 Dec 2024 19:33
Operator : JC\MD
Sample : P5291-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EQUIP-BLANK-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085261.D
Acq On : 18 Dec 2024 19:33
Operator : JC\MD
Sample : P5291-11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EQUIP-BLANK-20241213

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24	
Client Sample ID:	TRIP BLANK		SDG No.:	P5291	
Lab Sample ID:	P5291-12		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085228.D	1		12/17/24 16:45	VN121724

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
75-35-4	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
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	TRIP BLANK			SDG No.:	P5291
Lab Sample ID:	P5291-12			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085228.D	1		12/17/24 16:45	VN121724

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	TRIP BLANK	SDG No.:	P5291
Lab Sample ID:	P5291-12	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085228.D	1		12/17/24 16:45	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	8.80	J		2.29	ug/L
91-20-3	Naphthalene	4.20	J		15.6	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085228.D
Acq On : 17 Dec 2024 16:45
Operator : JC\MD
Sample : P5291-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20241216

Quant Time: Dec 18 00:28:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

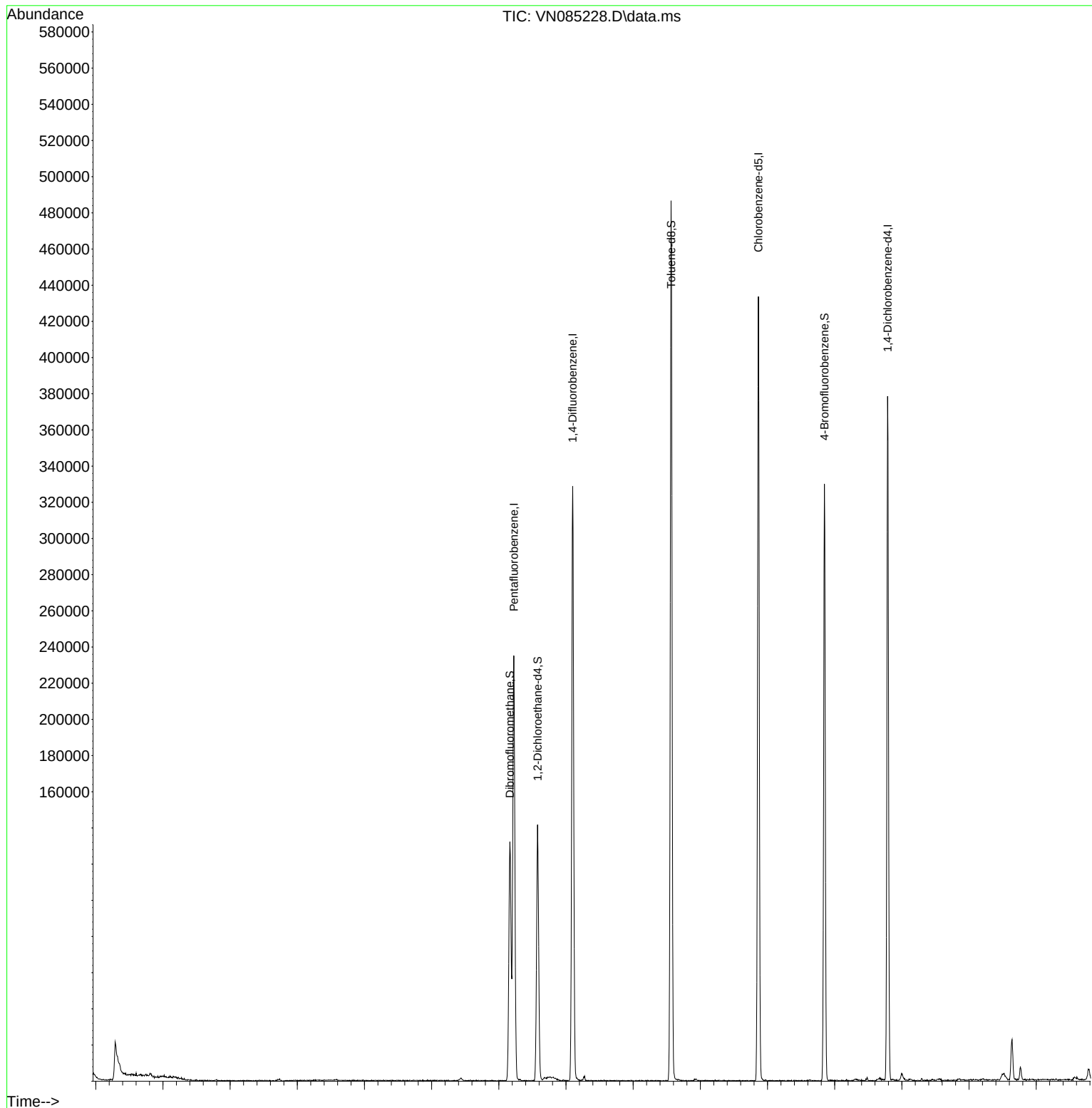
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	167979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	282377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101465	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114324	47.780	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	95.560%	
35) Dibromofluoromethane	8.165	113	94743	49.753	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.500%	
50) Toluene-d8	10.565	98	331981	48.646	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	97.300%	
62) 4-Bromofluorobenzene	12.847	95	117008	45.848	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	91.700%	
Target Compounds						
95) Naphthalene	15.641	128	23819	4.228	ug/l	Qvalue 98

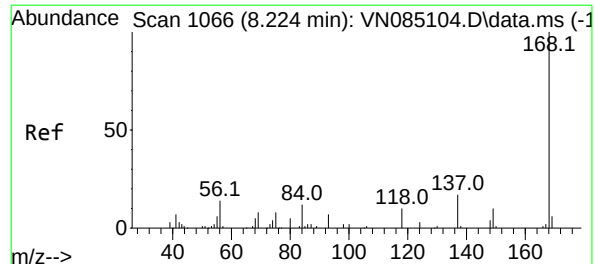
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085228.D
Acq On : 17 Dec 2024 16:45
Operator : JC\MD
Sample : P5291-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20241216

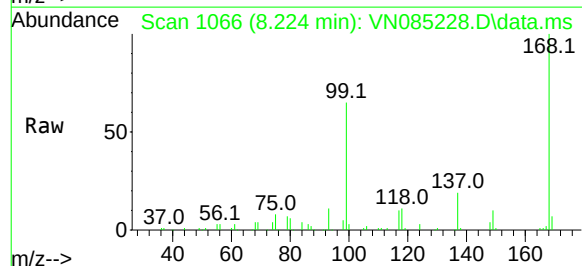
Quant Time: Dec 18 00:28:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



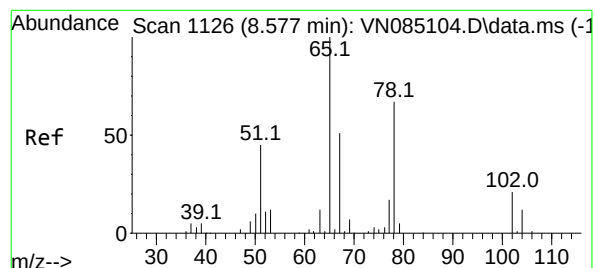
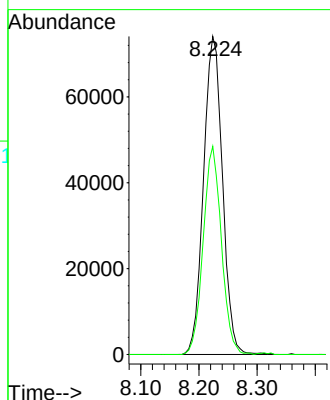
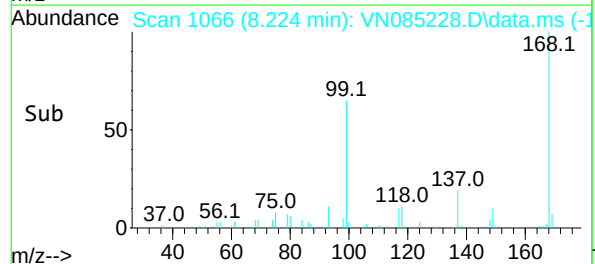


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Instrument :
MSVOA_N
ClientSampleId :
TB-20241216

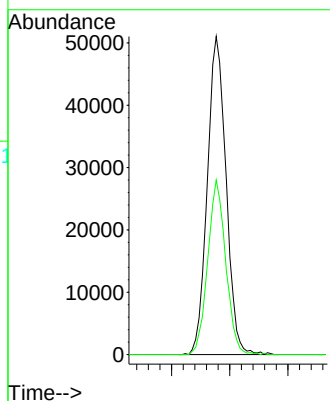
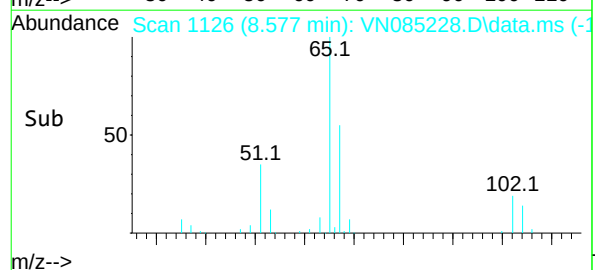
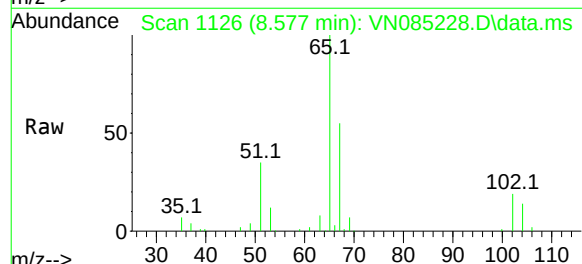


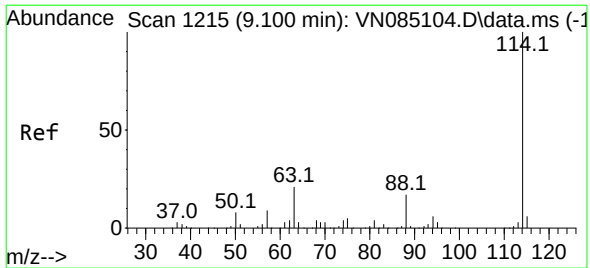
Tgt Ion:168 Resp: 167979
Ion Ratio Lower Upper
168 100
99 65.4 51.2 76.8



#33
1,2-Dichloroethane-d4
Concen: 47.780 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Tgt Ion: 65 Resp: 114324
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.0

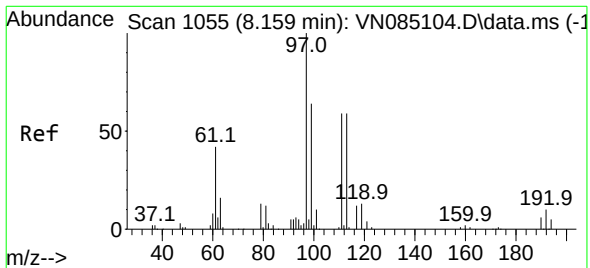
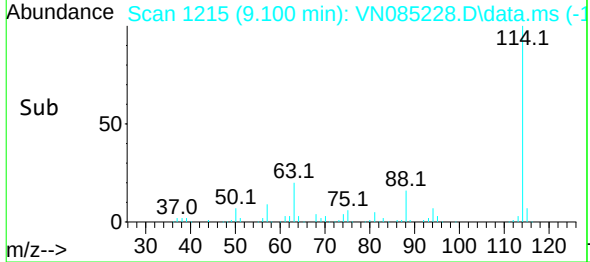
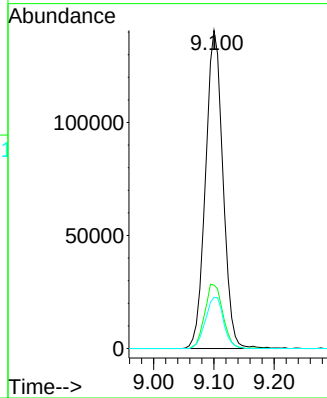
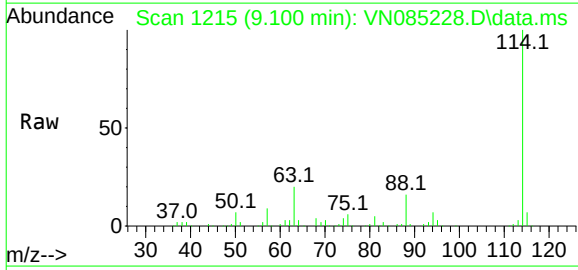




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

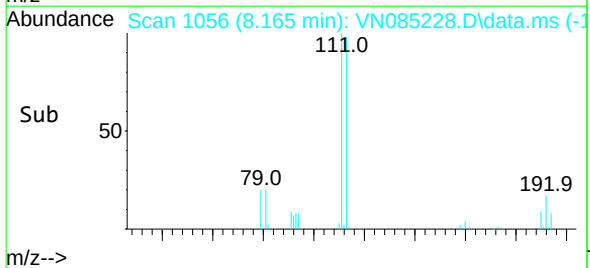
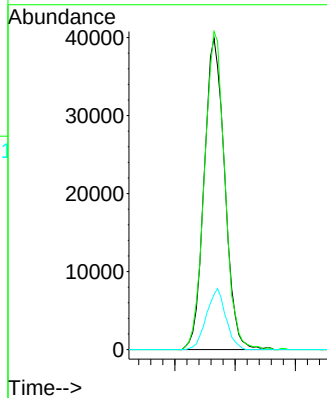
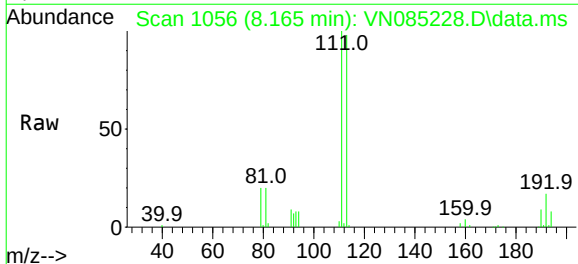
Instrument :
MSVOA_N
ClientSampleId :
TB-20241216

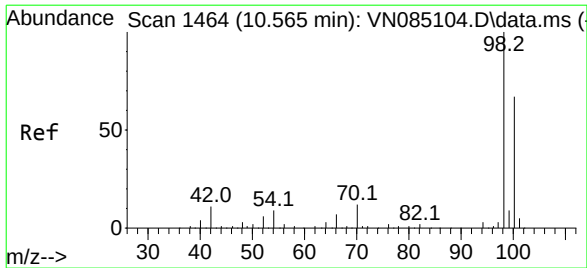
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	41.0
88	16.0	0.0	34.8



#35
Dibromofluoromethane
Concen: 49.753 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085228.D
Acq: 17 Dec 2024 16:45

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.0	123.0
192	18.4	14.8	22.2





#50

Toluene-d8

Concen: 48.646 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085228.D

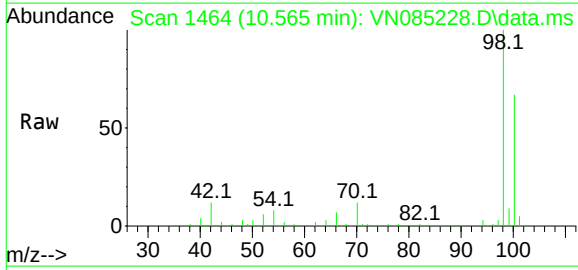
Acq: 17 Dec 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

TB-20241216

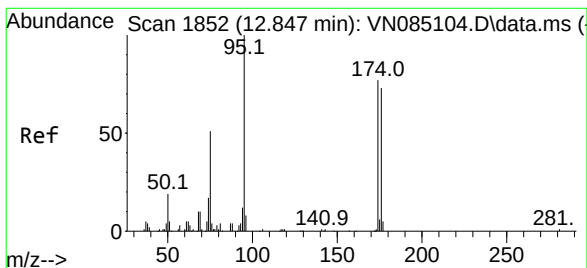
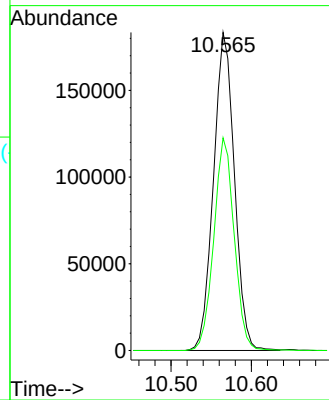
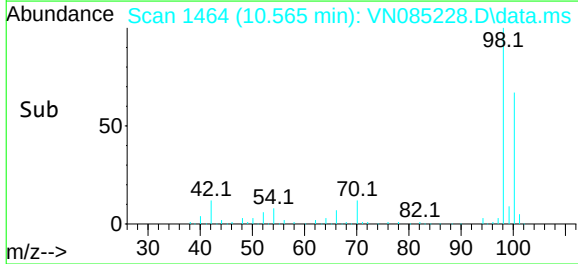


Tgt Ion: 98 Resp: 331981

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 45.848 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085228.D

Acq: 17 Dec 2024 16:45

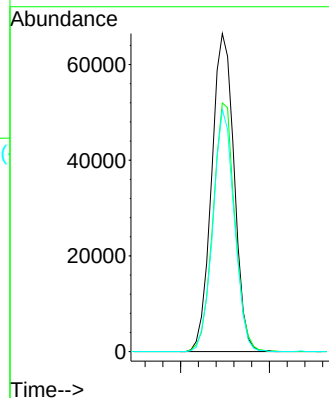
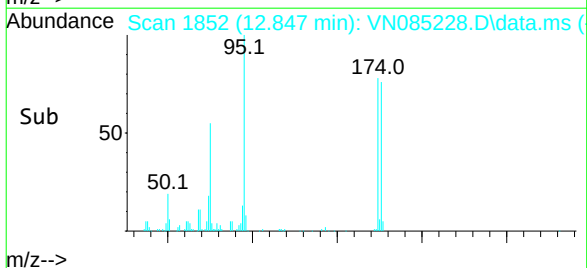
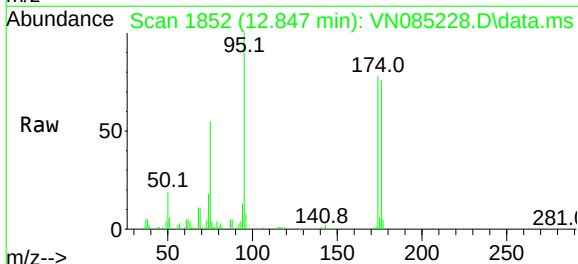
Tgt Ion: 95 Resp: 117008

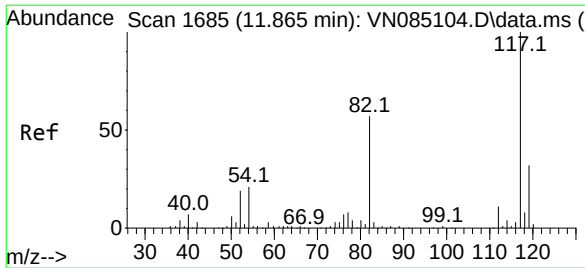
Ion Ratio Lower Upper

95 100

174 75.9 0.0 146.6

176 72.2 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN085228.D

Acq: 17 Dec 2024 16:45

Instrument :

MSVOA_N

ClientSampleId :

TB-20241216

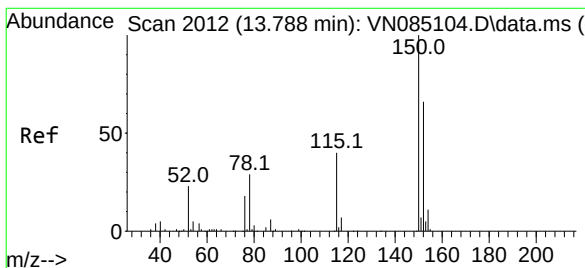
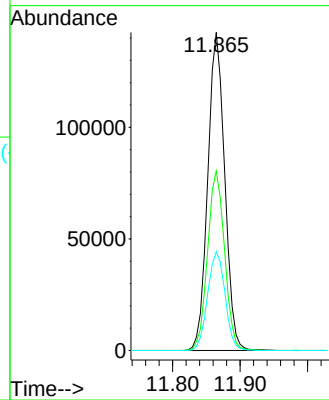
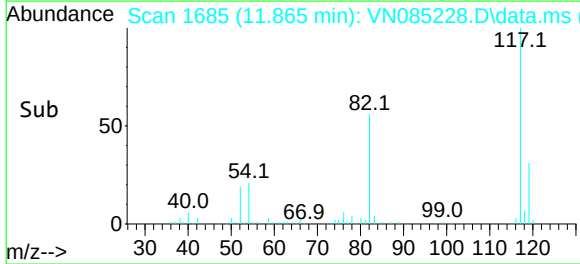
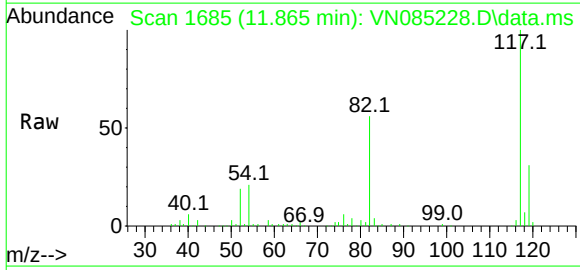
Tgt Ion:117 Resp: 248528

Ion Ratio Lower Upper

117 100

82 56.5 46.0 69.0

119 31.1 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085228.D

Acq: 17 Dec 2024 16:45

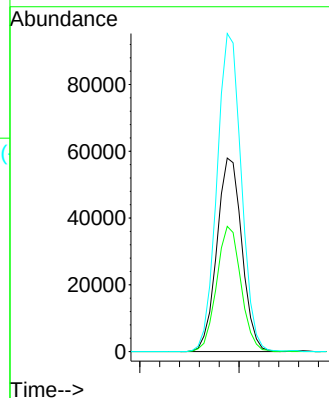
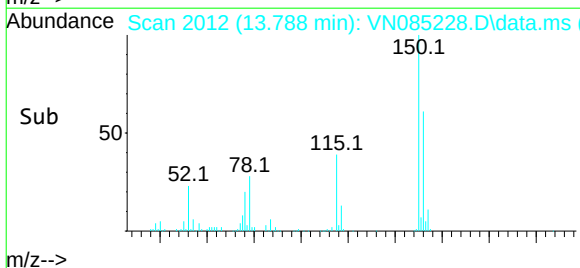
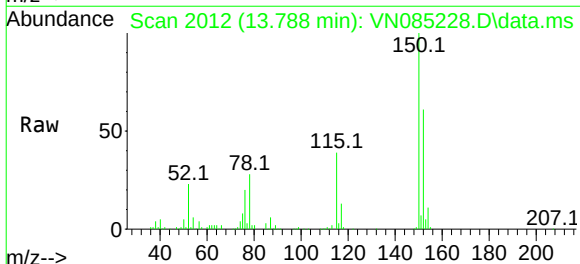
Tgt Ion:152 Resp: 101465

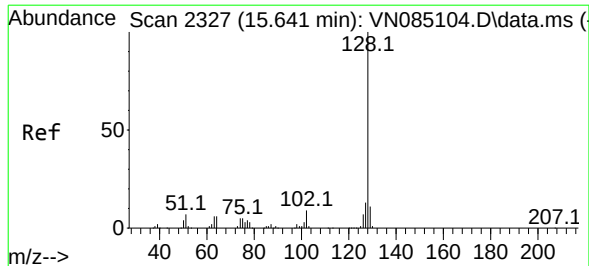
Ion Ratio Lower Upper

152 100

115 63.0 31.7 95.1

150 160.3 0.0 351.4





#95

Naphthalene

Concen: 4.228 ug/l

RT: 15.641 min Scan# 23

Delta R.T. -0.000 min

Lab File: VN085228.D

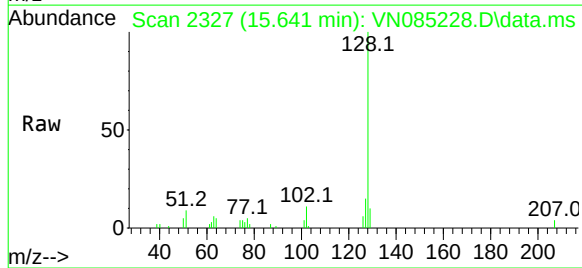
Acq: 17 Dec 2024 16:45

Instrument :

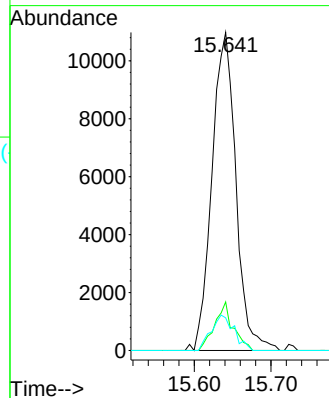
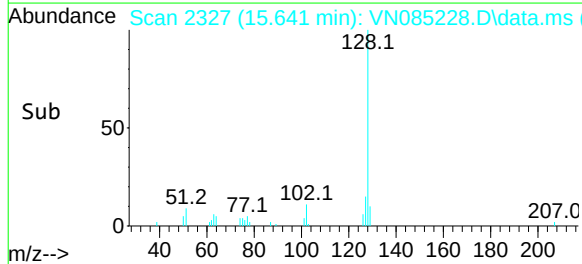
MSVOA_N

ClientSampleId :

TB-20241216



Tgt Ion:	128	Resp:	23819
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.6	16.0
129	10.7	8.6	12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085228.D
 Acq On : 17 Dec 2024 16:45
 Operator : JC\MD
 Sample : P5291-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20241216

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Title : SW846 8260

Signal : TIC: VN085228.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	50	57	77	rBV	21159	88527	10.09%	1.849%
2	8.165	1046	1056	1061	rBV2	131955	316578	36.07%	6.613%
3	8.224	1061	1066	1078	rVB	234613	505809	57.62%	10.567%
4	8.577	1118	1126	1138	rBV	141644	307479	35.03%	6.423%
5	9.100	1205	1215	1225	rBV2	328488	666119	75.89%	13.915%
6	10.565	1456	1464	1477	rBV	486460	877776	100.00%	18.337%
7	11.865	1677	1685	1696	rBV	433579	763923	87.03%	15.959%
8	12.847	1840	1852	1862	rBV	330086	563064	64.15%	11.763%
9	13.788	2004	2012	2021	rVB	378053	630928	71.88%	13.180%
10	13.994	2041	2047	2058	rVB5	3683	8995	1.02%	0.188%
11	15.641	2320	2327	2335	rBV	22385	45422	5.17%	0.949%
12	15.764	2342	2348	2355	rBV3	7065	12287	1.40%	0.257%

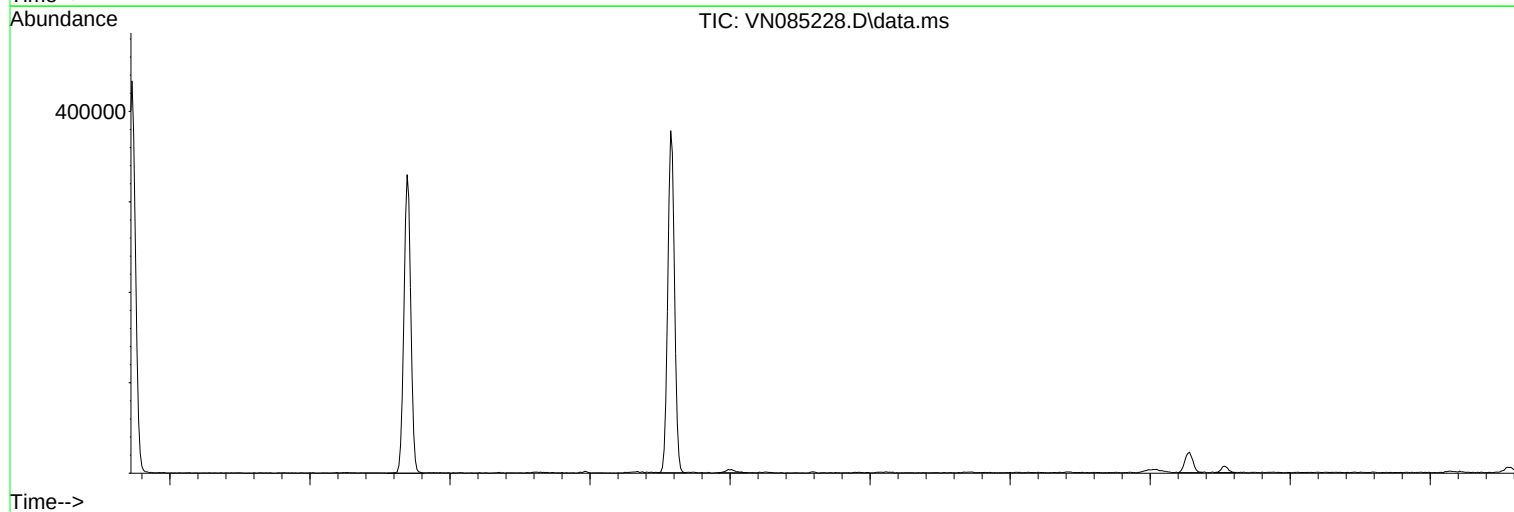
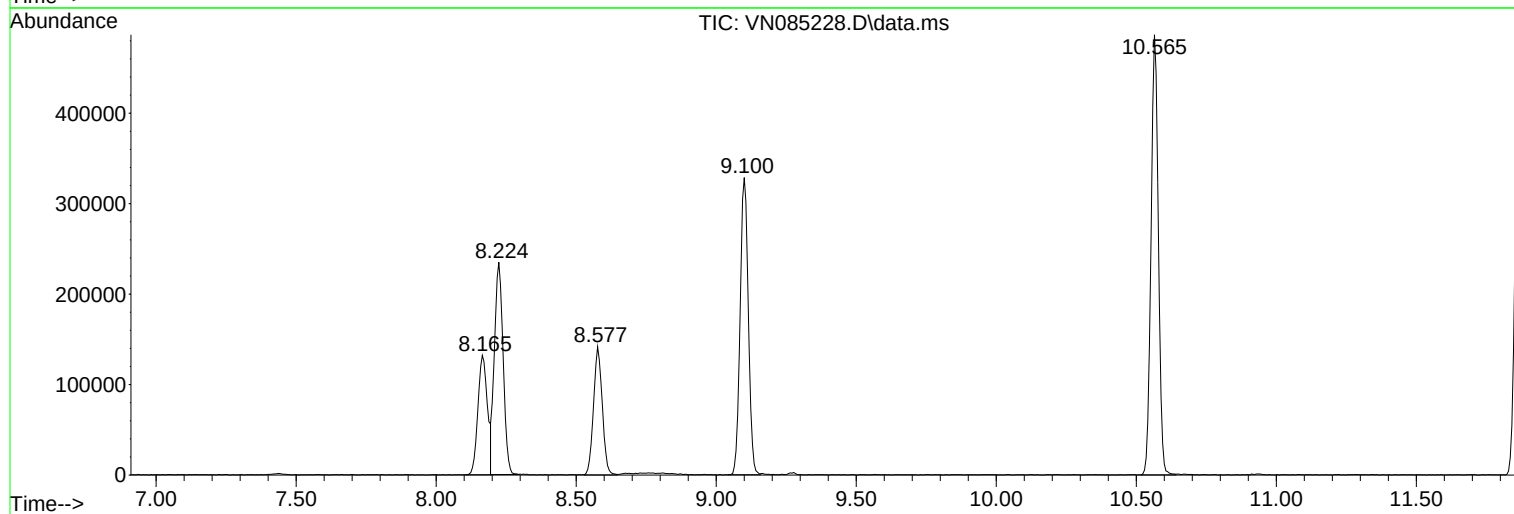
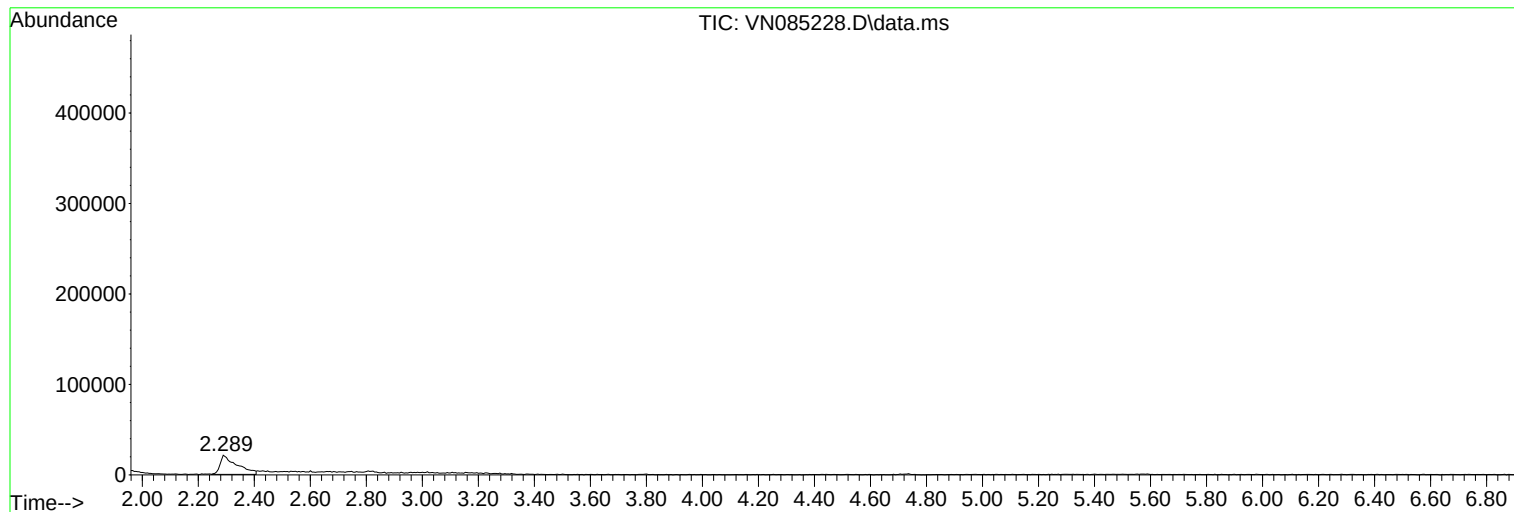
Sum of corrected areas: 4786907

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085228.D
Acq On : 17 Dec 2024 16:45
Operator : JC\MD
Sample : P5291-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20241216

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085228.D
Acq On : 17 Dec 2024 16:45
Operator : JC\MD
Sample : P5291-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20241216

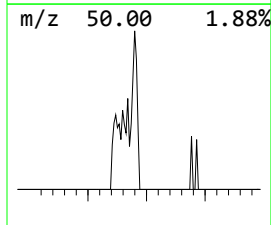
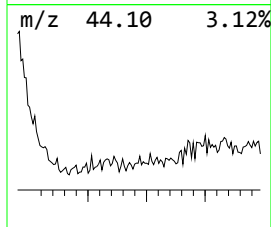
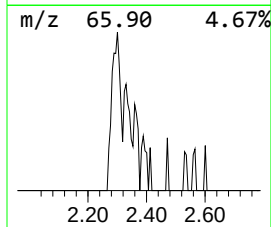
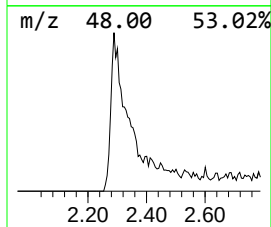
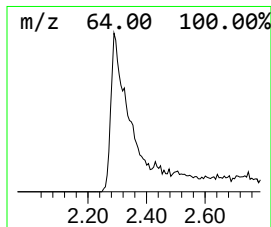
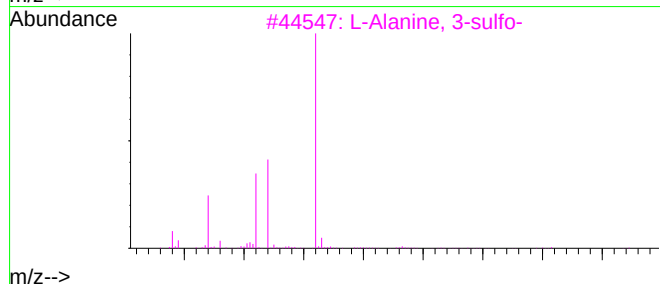
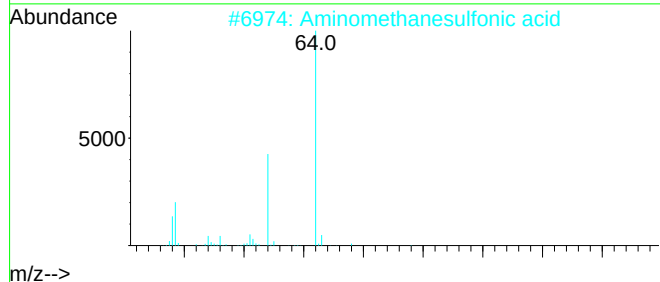
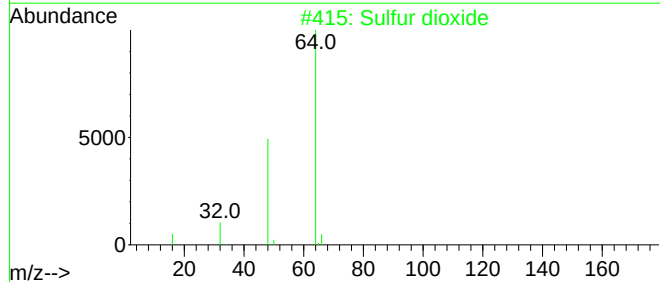
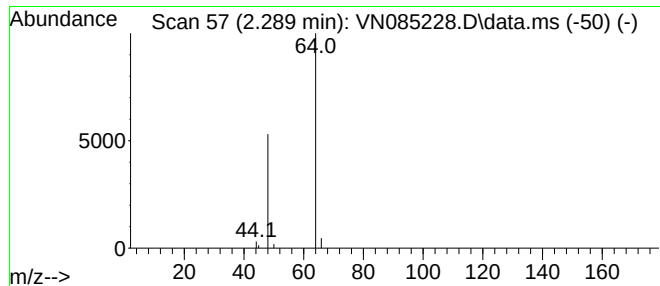
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.289	8.75 ug/l	88527	Pentafluorobenzene	8.224

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	74
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085228.D
Acq On : 17 Dec 2024 16:45
Operator : JC\MD
Sample : P5291-12
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20241216

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	2.289	8.8	ug/l	88527	1	8.224	505809	50.0



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: PARS02
 Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG No.: P5291
 Instrument ID: MSVOA_N Calibration Date(s): 11/22/2024 11/22/2024
 Heated Purge: (Y/N) N Calibration Time(s): 11:22 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF100 = VN085005.D	RRF050 = VN085006.D	RRF020 = VN085007.D					
	RRF010 = VN085008.D	RRF005 = VN085009.D	RRF001 = VN085010.D					
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD
Dichlorodifluoromethane	0.579	0.560	0.567	0.538	0.590	0.558	0.565	3.2
Chloromethane	0.572	0.591	0.599	0.603	0.664	0.906	0.656	19.3
Vinyl Chloride	0.597	0.575	0.579	0.569	0.608	0.608	0.589	2.9
Bromomethane	0.316	0.311	0.327	0.331	0.366		0.330	6.5
Chloroethane	0.370	0.379	0.380	0.390	0.407	0.458	0.397	8.1
Trichlorofluoromethane	1.021	0.965	1.005	0.947	1.041	1.036	1.002	3.9
1,1,2-Trichlorotrifluoroethane	0.590	0.551	0.569	0.551	0.576	0.573	0.569	2.7
1,1-Dichloroethene	0.547	0.524	0.534	0.506	0.543	0.531	0.531	2.8
Acetone	0.229	0.203	0.206	0.203	0.195	0.209	0.207	5.5
Carbon Disulfide	1.511	1.472	1.535	1.462	1.590	1.829	1.566	8.7
Methyl tert-butyl Ether	1.860	1.768	1.764	1.663	1.675	1.674	1.734	4.5
Methyl Acetate	0.657	0.656	0.696	0.714	0.855	1.244	0.804	28.4
Methylene Chloride	0.603	0.588	0.619	0.610	0.630	0.748	0.633	9.2
trans-1,2-Dichloroethene	0.570	0.558	0.565	0.519	0.568	0.571	0.558	3.5
1,1-Dichloroethane	1.091	1.049	1.084	1.033	1.092	1.116	1.078	2.8
Cyclohexane	0.914	0.882	0.942	0.915	1.091		0.949	8.7
2-Butanone	0.341	0.331	0.340	0.317	0.328	0.377	0.339	6
Carbon Tetrachloride	0.572	0.534	0.543	0.484	0.529	0.500	0.527	5.9
cis-1,2-Dichloroethene	0.667	0.657	0.672	0.634	0.681	0.729	0.673	4.7
Bromochloromethane	0.409	0.395	0.409	0.390	0.399	0.438	0.407	4.2
Chloroform	1.118	1.099	1.104	1.073	1.140	1.344	1.146	8.6
1,1,1-Trichloroethane	1.047	1.013	1.022	0.993	1.005	1.135	1.036	5
Methylcyclohexane	0.574	0.507	0.486	0.430	0.469	0.382	0.475	13.9
Benzene	1.528	1.424	1.443	1.358	1.452	1.462	1.445	3.8
1,2-Dichloroethane	0.514	0.481	0.497	0.452	0.529	0.492	0.494	5.4
Trichloroethene	0.352	0.327	0.338	0.320	0.347	0.330	0.336	3.6
1,2-Dichloropropane	0.369	0.349	0.351	0.340	0.352	0.374	0.356	3.7
Bromodichloromethane	0.554	0.522	0.520	0.488	0.520	0.540	0.524	4.3
4-Methyl-2-Pentanone	0.414	0.406	0.406	0.382	0.394	0.361	0.394	5
Toluene	0.932	0.887	0.881	0.792	0.859	0.780	0.855	6.9

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02
 Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG No.: P5291
 Instrument ID: MSVOA_N Calibration Date(s): 11/22/2024 11/22/2024
 Heated Purge: (Y/N) N Calibration Time(s): 11:22 13:45
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN085005.D		RRF050 = VN085006.D		RRF020 = VN085007.D			
		RRF010 = VN085008.D		RRF005 = VN085009.D		RRF001 = VN085010.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
t-1,3-Dichloropropene	0.574	0.549	0.539	0.486	0.479	0.525	0.525	7	
cis-1,3-Dichloropropene	0.617	0.576	0.571	0.506	0.533	0.541	0.557	7	
1,1,2-Trichloroethane	0.336	0.322	0.324	0.314	0.314	0.301	0.319	3.7	
2-Hexanone	0.315	0.312	0.317	0.280	0.297	0.245	0.295	9.4	
Dibromochloromethane	0.410	0.386	0.392	0.350	0.387	0.411	0.389	5.7	
1,2-Dibromoethane	0.342	0.330	0.328	0.318	0.338	0.323	0.330	2.7	
Tetrachloroethene	0.350	0.328	0.340	0.322	0.374	0.307	0.337	7	
Chlorobenzene	1.128	1.090	1.123	1.089	1.133	1.241	1.134	4.9	
Ethyl Benzene	2.063	1.945	1.880	1.698	1.809	1.644	1.840	8.5	
m/p-Xylenes	0.778	0.737	0.732	0.663	0.666	0.626	0.700	8.2	
o-Xylene	0.733	0.707	0.685	0.641	0.633	0.598	0.666	7.6	
Styrene	1.248	1.195	1.178	1.069	1.038	0.921	1.108	10.9	
Bromoform	0.309	0.310	0.299	0.273	0.299	0.289	0.296	4.6	
Isopropylbenzene	3.888	3.632	3.605	3.402	3.464	3.175	3.527	6.8	
1,1,2,2-Tetrachloroethane	1.076	1.103	1.152	1.148	1.231	1.517	1.205	13.4	
1,3-Dichlorobenzene	1.720	1.717	1.785	1.744	1.941	2.326	1.872	12.7	
1,4-Dichlorobenzene	1.726	1.760	1.819	1.788	2.034	2.337	1.911	12.3	
1,2-Dichlorobenzene	1.665	1.687	1.756	1.685	1.815	2.157	1.794	10.4	
1,2-Dibromo-3-Chloropropane	0.214	0.219	0.227	0.223	0.249	0.265	0.233	8.5	
1,2,4-Trichlorobenzene	0.927	0.902	0.949	0.919	0.973	1.178	0.975	10.5	
1,2,3-Trichlorobenzene	0.922	0.898	0.944	0.849	0.926	1.041	0.930	6.8	
1,2-Dichloroethane-d4	0.738	0.705	0.658	0.735	0.725		0.712	4.6	
Dibromofluoromethane	0.361	0.340	0.311	0.330	0.343		0.337	5.4	
Toluene-d8	1.326	1.249	1.152	1.162	1.154		1.208	6.4	
4-Bromofluorobenzene	0.476	0.467	0.425	0.438	0.454		0.452	4.6	

* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N112224W.M
 Title : SW846 8260
 Last Update : Sat Nov 23 02:54:10 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN085010.D 5 =VN085009.D 10 =VN085008.D 20 =VN085007.D 50 =VN085006.D 100 =VN085005.

D

Compound		1	5	10	20	50	100	Avg	%RSD

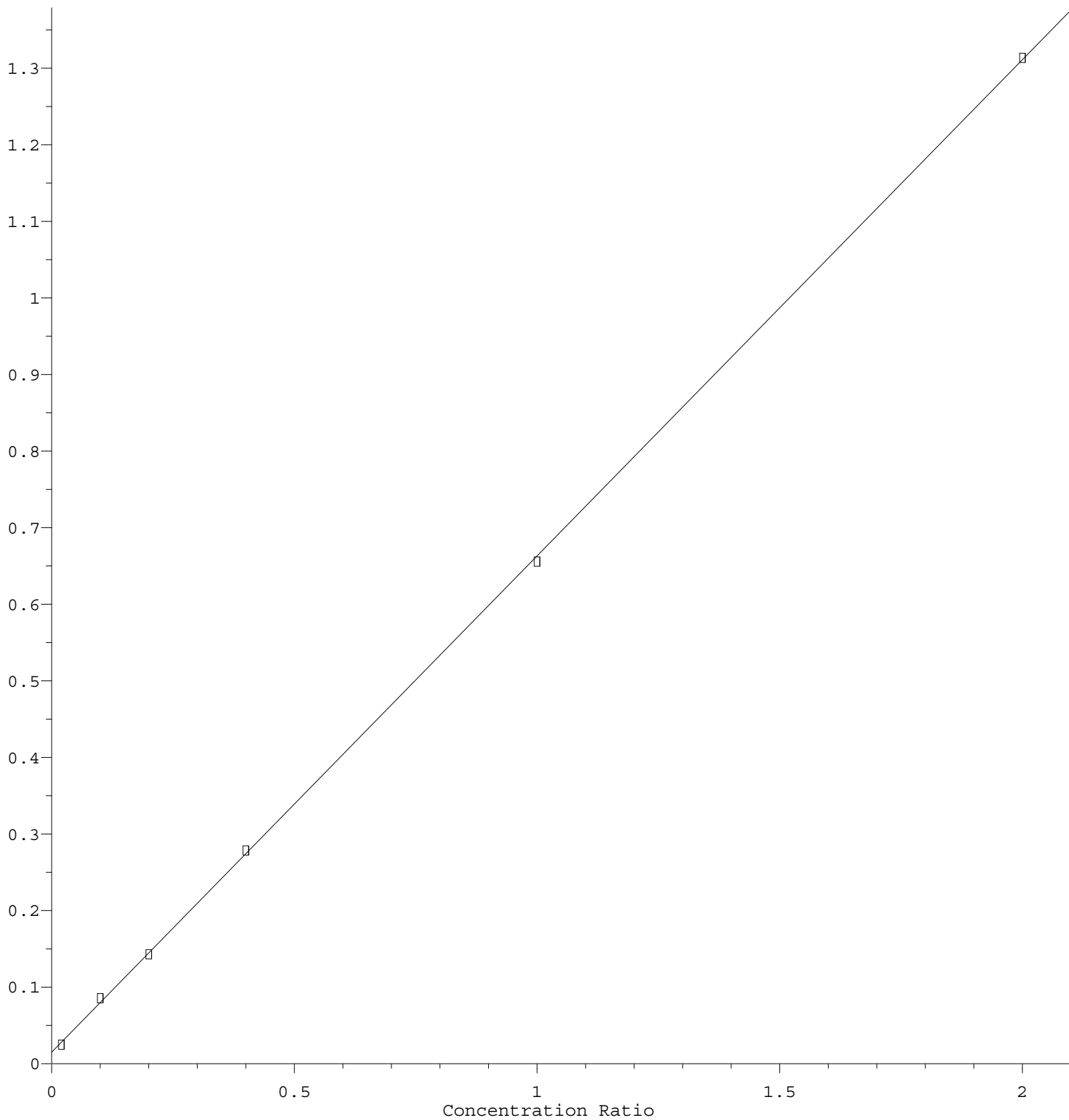
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.558	0.590	0.538	0.567	0.560	0.579	0.565	3.24
3) P	Chloromethane	0.906	0.664	0.603	0.599	0.591	0.572	0.656	19.31
4) C	Vinyl Chloride	0.608	0.608	0.569	0.579	0.575	0.597	0.589	2.87#
5) T	Bromomethane		0.366	0.331	0.327	0.311	0.316	0.330	6.54
6) T	Chloroethane	0.458	0.407	0.390	0.380	0.379	0.370	0.397	8.12
7) T	Trichlorofluor...	1.036	1.041	0.947	1.005	0.965	1.021	1.002	3.85
8) T	Diethyl Ether	0.316	0.345	0.322	0.349	0.349	0.367	0.341	5.63
9) T	1,1,2-Trichlor...	0.573	0.576	0.551	0.569	0.551	0.590	0.569	2.65
10) T	Methyl Iodide		0.764	0.704	0.778	0.747	0.769	0.753	3.91
11) T	Tert butyl alc...		0.117	0.096	0.091	0.090	0.081	0.095	14.07
12) CM	1,1-Dichloroet...	0.531	0.543	0.506	0.534	0.524	0.547	0.531	2.78#
13) T	Acrolein		0.057	0.066	0.061	0.070	0.064	0.064	7.50
14) T	Allyl chloride	0.936	0.874	0.868	0.876	0.886	0.929	0.895	3.32
15) T	Acrylonitrile	0.303	0.274	0.251	0.264	0.263	0.262	0.269	6.71
16) T	Acetone	0.209	0.195	0.203	0.206	0.203	0.229	0.207	5.48
17) T	Carbon Disulfide	1.829	1.589	1.462	1.535	1.472	1.511	1.566	8.73
18) T	Methyl Acetate	1.244	0.855	0.714	0.696	0.656	0.657	0.804	28.37
19) T	Methyl tert-bu...	1.674	1.675	1.663	1.764	1.768	1.860	1.734	4.48
20) T	Methylene Chlo...	0.748	0.630	0.610	0.619	0.588	0.603	0.633	9.21
21) T	trans-1,2-Dich...	0.571	0.568	0.519	0.565	0.558	0.570	0.558	3.54
22) T	Diisopropyl ether	1.825	1.816	1.749	1.815	1.781	1.817	1.801	1.64
23) T	Vinyl Acetate	1.161	1.180	1.192	1.279	1.296	1.346	1.242	6.04
24) P	1,1-Dichloroet...	1.116	1.092	1.033	1.084	1.049	1.091	1.078	2.85
25) T	2-Butanone	0.377	0.328	0.317	0.340	0.331	0.341	0.339	6.03
26) T	2,2-Dichloropr...	1.083	1.000	0.945	0.982	0.993	1.034	1.006	4.72
27) T	cis-1,2-Dichlo...	0.729	0.681	0.634	0.672	0.657	0.667	0.673	4.68
28) T	Bromochloromet...	0.438	0.399	0.390	0.409	0.395	0.409	0.407	4.24
29) T	Tetrahydrofuran	0.213	0.212	0.199	0.212	0.214	0.214	0.211	2.69
30) C	Chloroform	1.344	1.140	1.073	1.104	1.099	1.118	1.146	8.65#
31) T	Cyclohexane		1.091	0.915	0.942	0.882	0.914	0.949	8.68
32) T	1,1,1-Trichlor...	1.135	1.005	0.993	1.022	1.013	1.047	1.036	5.02
33) S	1,2-Dichloroet...		0.725	0.735	0.658	0.705	0.738	0.712	4.60
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.343	0.330	0.311	0.340	0.361	0.337	5.43
36) T	1,1-Dichloropr...	0.451	0.469	0.417	0.454	0.455	0.493	0.457	5.46
37) T	Ethyl Acetate	0.412	0.425	0.404	0.427	0.403	0.421	0.415	2.54
38) T	Carbon Tetrach...	0.500	0.529	0.484	0.543	0.534	0.572	0.527	5.93
39) T	Methylcyclohexane	0.382	0.469	0.430	0.486	0.507	0.574	0.475	13.89
40) TM	Benzene	1.462	1.452	1.358	1.443	1.424	1.528	1.444	3.81
41) T	Methacrylonitrile	0.247	0.203	0.223	0.229	0.230	0.246	0.230	7.11
42) TM	1,2-Dichloroet...	0.492	0.529	0.452	0.497	0.481	0.514	0.494	5.42
43) T	Isopropyl Acetate	1.157	0.853	0.786	0.781	0.753	0.844	0.862	17.33
44) TM	Trichloroethene	0.330	0.347	0.320	0.338	0.327	0.352	0.336	3.60
45) C	1,2-Dichloropr...	0.374	0.352	0.340	0.351	0.349	0.369	0.356	3.68#
46) T	Dibromomethane	0.260	0.249	0.225	0.248	0.244	0.257	0.247	4.94
47) T	Bromodichlorom...	0.540	0.520	0.488	0.520	0.522	0.554	0.524	4.26
48) T	Methyl methacr...	0.304	0.316	0.302	0.323	0.329	0.353	0.321	5.84
49) T	1,4-Dioxane	0.005	0.005	0.006	0.006	0.006	0.005	0.006	3.84
50) S	Toluene-d8		1.154	1.162	1.152	1.249	1.326	1.208	6.36
51) T	4-Methyl-2-Pen...	0.361	0.394	0.382	0.406	0.406	0.414	0.394	5.01
52) CM	Toluene	0.780	0.859	0.792	0.881	0.887	0.932	0.855	6.88#
53) T	t-1,3-Dichloro...	0.525	0.479	0.486	0.539	0.549	0.574	0.525	7.01
54) T	cis-1,3-Dichlo...	0.541	0.533	0.506	0.571	0.576	0.617	0.557	6.97
55) T	1,1,2-Trichlor...	0.301	0.314	0.314	0.324	0.322	0.336	0.319	3.72

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\										
Method File : 82N112224W.M										
56)	T	Ethyl methacry...	0.370	0.429	0.437	0.491	0.518	0.549	0.465	14.12
57)	T	1,3-Dichloropr...	0.572	0.562	0.526	0.558	0.558	0.588	0.561	3.66
58)	T	2-Chloroethyl ...	0.167	0.194	0.220	0.243	0.271	0.275	0.228	18.86
59)	T	2-Hexanone	0.245	0.297	0.280	0.317	0.312	0.315	0.295	9.45
60)	T	Dibromochlorom...	0.411	0.387	0.350	0.392	0.386	0.410	0.389	5.71
61)	T	1,2-Dibromoethane	0.323	0.338	0.318	0.328	0.330	0.342	0.330	2.74
62)	S	4-Bromofluorob...	0.454	0.438	0.425	0.467	0.476	0.452		4.61
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.307	0.374	0.322	0.340	0.328	0.350	0.337	7.01
65)	PM	Chlorobenzene	1.241	1.133	1.089	1.123	1.090	1.128	1.134	4.91
66)	T	1,1,1,2-Tetrac...	0.390	0.420	0.383	0.388	0.398	0.417	0.399	3.93
67)	C	Ethyl Benzene	1.644	1.809	1.698	1.880	1.945	2.063	1.840	8.48#
68)	T	m/p-Xylenes	0.626	0.666	0.663	0.732	0.737	0.778	0.700	8.17
69)	T	o-Xylene	0.598	0.633	0.641	0.685	0.707	0.733	0.666	7.63
70)	T	Styrene	0.921	1.038	1.069	1.178	1.195	1.248	1.108	10.94
71)	P	Bromoform	0.289	0.299	0.273	0.299	0.310	0.309	0.296	4.58
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	3.175	3.464	3.402	3.605	3.632	3.888	3.527	6.84
74)	T	N-amyl acetate	1.339	1.383	1.351	1.543	1.552	1.553	1.454	7.30
75)	P	1,1,2,2-Tetrac...	1.517	1.231	1.148	1.152	1.103	1.076	1.204	13.45
76)	T	1,2,3-Trichlor...	1.023	0.822	0.768	0.933	0.903	1.009	0.909	11.13
77)	T	Bromobenzene	1.072	0.967	0.902	0.926	0.919	0.910	0.949	6.76
78)	T	n-propylbenzene	3.534	4.013	3.880	4.201	4.236	4.547	4.068	8.51
79)	T	2-Chlorotoluene	2.779	2.679	2.638	2.751	2.671	2.776	2.716	2.23
80)	T	1,3,5-Trimethy...	2.519	2.842	2.864	3.115	3.146	3.273	2.960	9.24
81)	T	trans-1,4-Dich...	0.440	0.390	0.403	0.408	0.418	0.412		4.60
82)	T	4-Chlorotoluene	2.977	2.819	2.725	2.846	2.774	2.822	2.827	3.00
83)	T	tert-Butylbenzene	2.454	2.444	2.436	2.590	2.631	2.725	2.547	4.72
84)	T	1,2,4-Trimethy...	2.704	2.890	2.927	3.195	3.241	3.322	3.047	7.93
85)	T	sec-Butylbenzene	2.976	3.246	3.280	3.593	3.667	3.880	3.440	9.61
86)	T	p-Isopropyltol...	2.279	2.585	2.740	3.075	3.092	3.269	2.840	13.10
87)	T	1,3-Dichlorobe...	2.326	1.941	1.744	1.785	1.717	1.720	1.872	12.69
88)	T	1,4-Dichlorobe...	2.337	2.034	1.788	1.819	1.760	1.726	1.911	12.31
89)	T	n-Butylbenzene	2.805	2.500	2.375	2.613	2.671	2.882	2.641	7.13
90)	T	Hexachloroethane	0.685	0.634	0.568	0.596	0.607	0.624	0.619	6.42
91)	T	1,2-Dichlorobe...	2.157	1.815	1.685	1.756	1.687	1.665	1.794	10.39
92)	T	1,2-Dibromo-3-...	0.265	0.249	0.223	0.227	0.219	0.214	0.233	8.48
93)	T	1,2,4-Trichlor...	1.178	0.973	0.919	0.949	0.902	0.927	0.975	10.53
94)	T	Hexachlorobuta...	0.556	0.474	0.408	0.441	0.403	0.416	0.450	12.94
95)	T	Naphthalene	2.952	2.683	2.455	2.839	2.835	2.892	2.776	6.52
96)	T	1,2,3-Trichlor...	1.041	0.926	0.849	0.944	0.898	0.922	0.930	6.84

(#) = Out of Range

Methyl Acetate

Response Ratio



$$\text{Response} = 6.478\text{e-}001 * \text{Amt} + 1.521\text{e-}002$$

Coef of Det (r^2) = 0.999899 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N112224W.M

Calibration Table Last Updated: Sat Nov 23 02:54:10 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085005.D
 Acq On : 22 Nov 2024 11:22
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:57:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	174548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118591	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	257466	103.553	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 207.100%#	
35) Dibromofluoromethane	8.165	113	202772	107.183	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 214.360%#	
50) Toluene-d8	10.565	98	743711	109.694	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 219.380%#	
62) 4-Bromofluorobenzene	12.847	95	266822	105.236	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 210.480%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	202252	102.473	ug/l	98
3) Chloromethane	2.354	50	199697	87.235	ug/l	96
4) Vinyl Chloride	2.512	62	208274	101.241	ug/l	99
5) Bromomethane	2.912	94	110325	95.681	ug/l	93
6) Chloroethane	3.089	64	129044	93.064	ug/l	98
7) Trichlorofluoromethane	3.483	101	356271	101.806	ug/l	98
8) Diethyl Ether	3.953	74	128277	107.697	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	205989	103.783	ug/l	99
10) Methyl Iodide	4.577	142	268539	102.212	ug/l	98
11) Tert butyl alcohol	5.553	59	141986	427.348	ug/l	97
12) 1,1-Dichloroethene	4.330	96	190847	103.013	ug/l	97
13) Acrolein	4.171	56	111387	502.422	ug/l	96
14) Allyl chloride	5.012	41	324148	103.788	ug/l	99
15) Acrylonitrile	5.712	53	457016	485.851	ug/l	100
16) Acetone	4.424	43	399104	551.165	ug/l	98
17) Carbon Disulfide	4.700	76	527408	96.448	ug/l	97
18) Methyl Acetate	5.018	43	229272	100.214	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	649308	107.267	ug/l	99
20) Methylene Chloride	5.265	84	210468	95.251	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	199008	102.076	ug/l	92
22) Diisopropyl ether	6.665	45	634389	100.923	ug/l	98
23) Vinyl Acetate	6.595	43	2349580	541.815	ug/l	99
24) 1,1-Dichloroethane	6.565	63	380941	101.270	ug/l	98
25) 2-Butanone	7.477	43	596036	503.469	ug/l	99
26) 2,2-Dichloropropane	7.483	77	360997	102.775	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	232992	99.132	ug/l	97
28) Bromochloromethane	7.806	49	142811	100.575	ug/l	97
29) Tetrahydrofuran	7.836	42	373666	507.558	ug/l	99
30) Chloroform	7.959	83	390189	97.513	ug/l	98
31) Cyclohexane	8.253	56	318957	96.305	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	365495	101.081	ug/l	98
36) 1,1-Dichloropropene	8.365	75	276659	107.966	ug/l	99
37) Ethyl Acetate	7.553	43	236399	101.478	ug/l	100
38) Carbon Tetrachloride	8.359	117	321086	108.554	ug/l	97
39) Methylcyclohexane	9.594	83	322151	120.983	ug/l	97
40) Benzene	8.600	78	857333	105.783	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085005.D
 Acq On : 22 Nov 2024 11:22
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 23 01:57:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
 Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	138044	107.026	ug/l	99
42) 1,2-Dichloroethane	8.665	62	288320	103.986	ug/l	100
43) Isopropyl Acetate	8.683	43	473683	97.891	ug/l	98
44) Trichloroethene	9.347	130	197483	104.851	ug/l	96
45) 1,2-Dichloropropane	9.618	63	206776	103.586	ug/l	99
46) Dibromomethane	9.706	93	144116	103.900	ug/l	99
47) Bromodichloromethane	9.883	83	310562	105.641	ug/l	98
48) Methyl methacrylate	9.677	41	197798	109.847	ug/l	98
49) 1,4-Dioxane	9.694	88	61188	1959.471	ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	1162080	525.783	ug/l	98
52) Toluene	10.630	92	522980	109.001	ug/l	100
53) t-1,3-Dichloropropene	10.830	75	321790	109.180	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	346064	110.678	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	188724	105.602	ug/l	99
56) Ethyl methacrylate	10.871	69	307844	117.883	ug/l	98
57) 1,3-Dichloropropane	11.159	76	329902	104.887	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	771827	602.530	ug/l	99
59) 2-Hexanone	11.194	43	884879	535.314	ug/l	100
60) Dibromochloromethane	11.359	129	229875	105.249	ug/l	98
61) 1,2-Dibromoethane	11.465	107	191654	103.624	ug/l	98
64) Tetrachloroethene	11.100	164	168926	104.032	ug/l	94
65) Chlorobenzene	11.888	112	543518	99.452	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	201000	104.459	ug/l	99
67) Ethyl Benzene	11.959	91	994049	112.113	ug/l	100
68) m/p-Xylenes	12.071	106	749782	222.116	ug/l	100
69) o-Xylene	12.394	106	353441	110.070	ug/l	99
70) Styrene	12.406	104	601271	112.600	ug/l	100
71) Bromoform	12.576	173	148879	104.234	ug/l #	99
73) Isopropylbenzene	12.694	105	922085	110.216	ug/l	100
74) N-amyl acetate	12.494	43	368260	106.820	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	255286	89.359	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	239373m	107.901	ug/l	
77) Bromobenzene	12.976	156	215866	95.881	ug/l	98
78) n-propylbenzene	13.035	91	1078373	111.753	ug/l	99
79) 2-Chlorotoluene	13.123	91	658525	102.230	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	776252	110.573	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	99218	104.513	ug/l	96
82) 4-Chlorotoluene	13.218	91	669311	99.811	ug/l	99
83) tert-Butylbenzene	13.435	119	646369	107.009	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	787962	109.040	ug/l	100
85) sec-Butylbenzene	13.612	105	920223	112.777	ug/l	99
86) p-Isopropyltoluene	13.729	119	775322	115.104	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	407844	91.842	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	409489	90.361	ug/l	99
89) n-Butylbenzene	14.053	91	683538	109.120	ug/l	99
90) Hexachloroethane	14.335	117	147973	100.783	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	394872	92.796	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	50863	92.071	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	219866	95.107	ug/l	99
94) Hexachlorobutadiene	15.500	225	98588	92.405	ug/l	99
95) Naphthalene	15.641	128	685964	104.183	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	218578	99.092	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

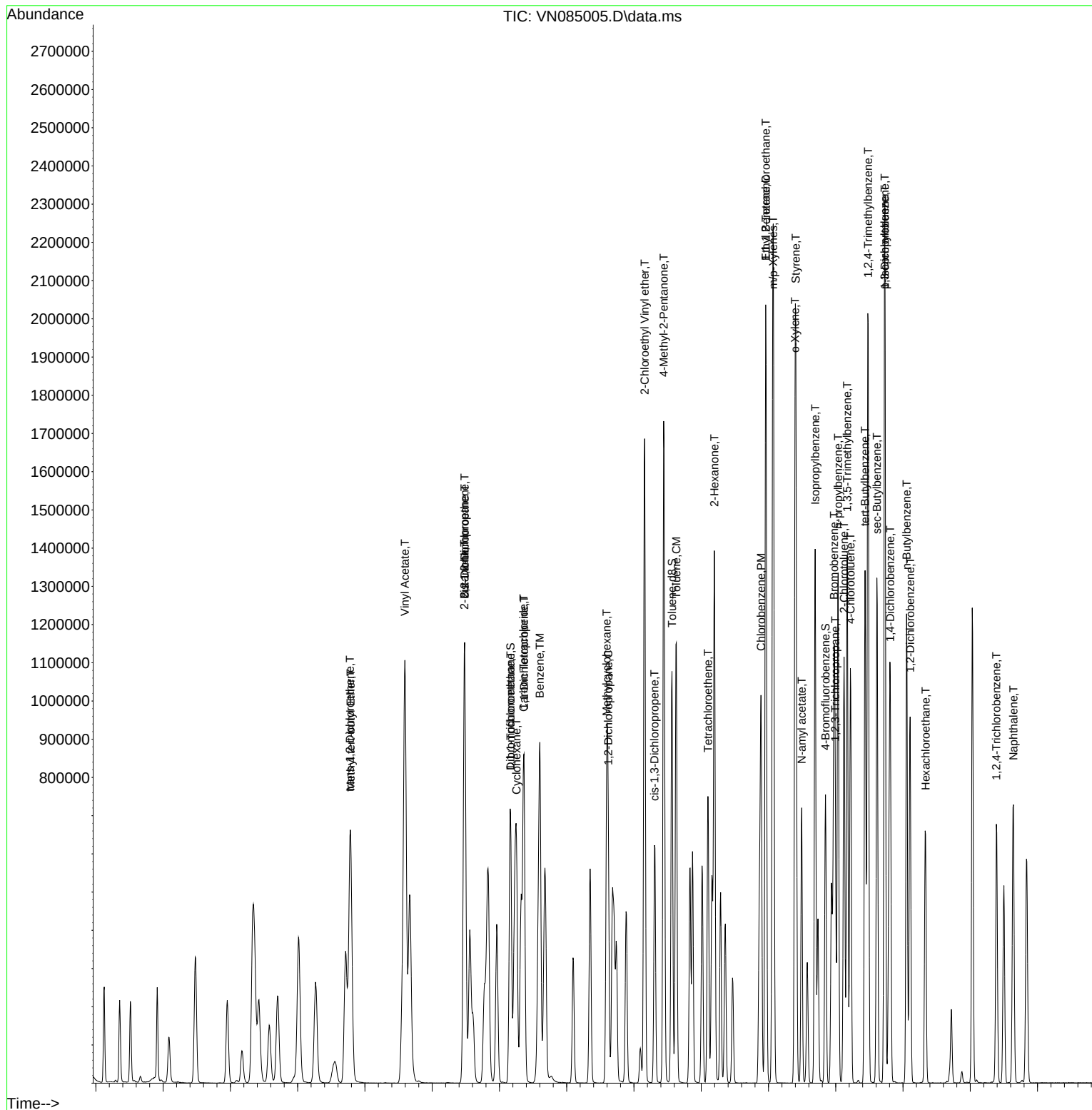
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085005.D
Acq On : 22 Nov 2024 11:22
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:57:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085006.D
 Acq On : 22 Nov 2024 11:46
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:58:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	163353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	271467	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	232158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	115244	49.528	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.060%
35) Dibromofluoromethane	8.159	113	92297	50.417	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.840%
50) Toluene-d8	10.565	98	338938	51.662	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.847	95	126840	51.698	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	91455	49.512	ug/l	100
3) Chloromethane	2.360	50	96463	45.027	ug/l	100
4) Vinyl Chloride	2.512	62	93960	48.804	ug/l	100
5) Bromomethane	2.901	94	50828	47.102	ug/l	100
6) Chloroethane	3.065	64	61844	47.657	ug/l	100
7) Trichlorofluoromethane	3.459	101	157642	48.134	ug/l	100
8) Diethyl Ether	3.948	74	57011	51.145	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	90080	48.495	ug/l	100
10) Methyl Iodide	4.571	142	122086	49.653	ug/l	100
11) Tert butyl alcohol	5.542	59	73708	237.049	ug/l	100
12) 1,1-Dichloroethene	4.318	96	85520	49.324	ug/l	100
13) Acrolein	4.165	56	57099	275.201	ug/l	100
14) Allyl chloride	5.006	41	144773	49.531	ug/l	100
15) Acrylonitrile	5.712	53	214719	243.910	ug/l	100
16) Acetone	4.424	43	165611	244.384	ug/l	100
17) Carbon Disulfide	4.695	76	240507	46.996	ug/l	100
18) Methyl Acetate	5.018	43	107105	49.436	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	288810	50.982	ug/l	100
20) Methylene Chloride	5.265	84	96084	46.464	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	91214	49.992	ug/l	100
22) Diisopropyl ether	6.665	45	290883	49.447	ug/l	100
23) Vinyl Acetate	6.595	43	1058594	260.842	ug/l	100
24) 1,1-Dichloroethane	6.553	63	171385	48.684	ug/l	100
25) 2-Butanone	7.483	43	270539	244.184	ug/l	100
26) 2,2-Dichloropropane	7.483	77	162280	49.367	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	107332	48.796	ug/l	100
28) Bromochloromethane	7.806	49	64580	48.597	ug/l	100
29) Tetrahydrofuran	7.836	42	175063	254.088	ug/l	100
30) Chloroform	7.959	83	179452	47.921	ug/l	100
31) Cyclohexane	8.253	56	144139	46.504	ug/l	100
32) 1,1,1-Trichloroethane	8.159	97	165474	48.900	ug/l	100
36) 1,1-Dichloropropene	8.365	75	123540	49.822	ug/l	100
37) Ethyl Acetate	7.553	43	109296	48.484	ug/l	100
38) Carbon Tetrachloride	8.353	117	144897	50.624	ug/l	100
39) Methylcyclohexane	9.594	83	137583	53.395	ug/l	100
40) Benzene	8.600	78	386616	49.297	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085006.D
 Acq On : 22 Nov 2024 11:46
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:58:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	62534	50.102	ug/l	100
42) 1,2-Dichloroethane	8.665	62	130440	48.616	ug/l	100
43) Isopropyl Acetate	8.683	43	204483	43.670	ug/l	100
44) Trichloroethene	9.347	130	88746	48.692	ug/l	100
45) 1,2-Dichloropropane	9.618	63	94677	49.013	ug/l	100
46) Dibromomethane	9.706	93	66370	49.447	ug/l	100
47) Bromodichloromethane	9.883	83	141808	49.849	ug/l	100
48) Methyl methacrylate	9.677	41	89202	51.193	ug/l	100
49) 1,4-Dioxane	9.694	88	31557	1044.331	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	551484	257.854	ug/l	100
52) Toluene	10.624	92	240730	51.850	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	148995	52.241	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	156342	51.671	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	87334	50.501	ug/l	100
56) Ethyl methacrylate	10.871	69	140546	55.617	ug/l	100
57) 1,3-Dichloropropane	11.159	76	151573	49.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	368190	297.030	ug/l	100
59) 2-Hexanone	11.194	43	424152	265.165	ug/l	100
60) Dibromochloromethane	11.359	129	104699	49.538	ug/l	100
61) 1,2-Dibromoethane	11.465	107	89471	49.991	ug/l	100
64) Tetrachloroethene	11.100	164	76257	48.747	ug/l	100
65) Chlorobenzene	11.888	112	252937	48.041	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	92289	49.785	ug/l	100
67) Ethyl Benzene	11.959	91	451491	52.856	ug/l	100
68) m/p-Xylenes	12.071	106	342033	105.174	ug/l	100
69) o-Xylene	12.394	106	164137	53.059	ug/l	100
70) Styrene	12.406	104	277349	53.912	ug/l	100
71) Bromoform	12.576	173	71858	52.221	ug/l #	100
73) Isopropylbenzene	12.694	105	415716	51.479	ug/l	100
74) N-ethyl acetate	12.494	43	177685	53.396	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	126215	45.771	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	103311m	48.246	ug/l	
77) Bromobenzene	12.976	156	105184	48.402	ug/l	100
78) n-propylbenzene	13.035	91	484892	52.059	ug/l	100
79) 2-Chlorotoluene	13.124	91	305747	49.174	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	360125	53.145	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	46724	50.990	ug/l	100
82) 4-Chlorotoluene	13.218	91	317569	49.063	ug/l	100
83) tert-Butylbenzene	13.435	119	301180	51.657	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	371046	53.195	ug/l	100
85) sec-Butylbenzene	13.612	105	419761	53.296	ug/l	100
86) p-Isopropyltoluene	13.723	119	353974	54.443	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	196552	45.855	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	201469	46.058	ug/l	100
89) n-Butylbenzene	14.053	91	305730	50.564	ug/l	100
90) Hexachloroethane	14.329	117	69444	49.001	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	193123	47.019	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	25059	46.995	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	103265	46.278	ug/l	100
94) Hexachlorobutadiene	15.500	225	46186	44.848	ug/l	100
95) Naphthalene	15.641	128	324523	51.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	102772	48.269	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

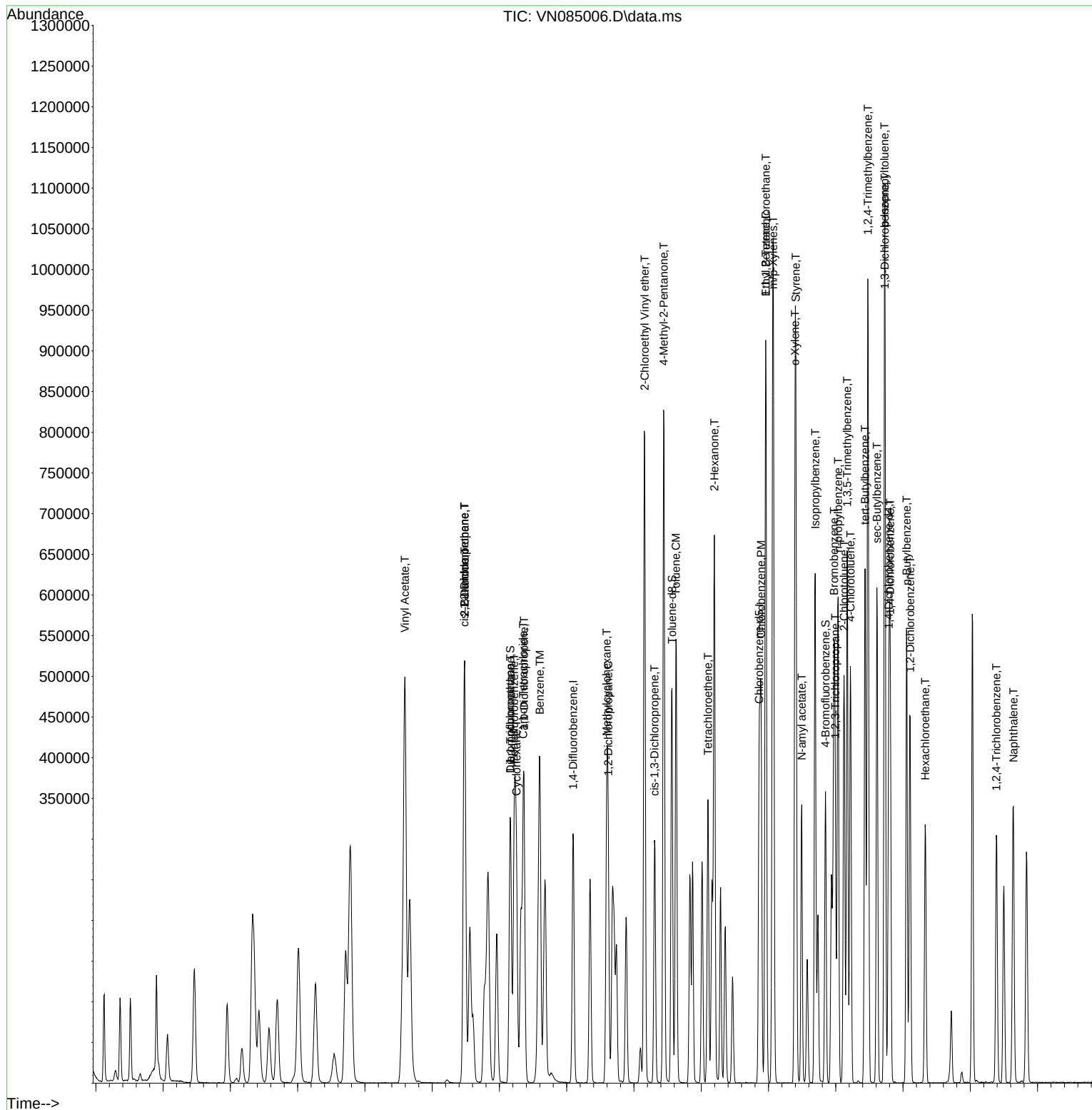
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:58:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085007.D
 Acq On : 22 Nov 2024 12:10
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:59:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	168636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	283685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116956	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	44399	18.483	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	36.960%#
35) Dibromofluoromethane	8.159	113	35327	18.466	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	36.940%#
50) Toluene-d8	10.565	98	130719	19.066	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	38.140%#
62) 4-Bromofluorobenzene	12.847	95	48193	18.797	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	37.600%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	38229	20.048	ug/l	99
3) Chloromethane	2.359	50	40404	18.269	ug/l	91
4) Vinyl Chloride	2.512	62	39070	19.658	ug/l	94
5) Bromomethane	2.900	94	22076	19.817	ug/l	98
6) Chloroethane	3.071	64	25643	19.141	ug/l	98
7) Trichlorofluoromethane	3.471	101	67785	20.049	ug/l	94
8) Diethyl Ether	3.953	74	23514	20.434	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	38412	20.031	ug/l	99
10) Methyl Iodide	4.571	142	52498	20.683	ug/l	98
11) Tert butyl alcohol	5.536	59	30735	95.749	ug/l #	85
12) 1,1-Dichloroethene	4.330	96	36027	20.128	ug/l	97
13) Acrolein	4.177	56	20478	95.606	ug/l	96
14) Allyl chloride	5.006	41	59110	19.590	ug/l	99
15) Acrylonitrile	5.712	53	89152	98.100	ug/l	99
16) Acetone	4.430	43	69534	99.393	ug/l	96
17) Carbon Disulfide	4.694	76	103559	19.602	ug/l	96
18) Methyl Acetate	5.018	43	46954	20.318	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	119013	20.350	ug/l	98
20) Methylene Chloride	5.265	84	41741	19.553	ug/l	89
21) trans-1,2-Dichloroethene	5.777	96	38088	20.221	ug/l	98
22) Diisopropyl ether	6.665	45	122443	20.162	ug/l	99
23) Vinyl Acetate	6.594	43	431313	102.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	73105	20.116	ug/l	98
25) 2-Butanone	7.482	43	114635	100.226	ug/l	99
26) 2,2-Dichloropropane	7.482	77	66230	19.517	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	45307	19.953	ug/l	99
28) Bromochloromethane	7.806	49	27564	20.092	ug/l	99
29) Tetrahydrofuran	7.835	42	71566	100.618	ug/l	99
30) Chloroform	7.953	83	74495	19.270	ug/l	94
31) Cyclohexane	8.247	56	63521	19.852	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	68908	19.725	ug/l	97
36) 1,1-Dichloropropene	8.365	75	51535	19.888	ug/l	98
37) Ethyl Acetate	7.559	43	48436	20.561	ug/l	99
38) Carbon Tetrachloride	8.359	117	61594	20.593	ug/l	97
39) Methylcyclohexane	9.600	83	55102	20.464	ug/l	98
40) Benzene	8.600	78	163727	19.977	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085007.D
 Acq On : 22 Nov 2024 12:10
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Nov 23 01:59:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26011	19.942	ug/l	99
42) 1,2-Dichloroethane	8.665	62	56374	20.106	ug/l	99
43) Isopropyl Acetate	8.682	43	88647	18.116	ug/l	98
44) Trichloroethene	9.347	130	38334	20.127	ug/l	96
45) 1,2-Dichloropropane	9.618	63	39852	19.742	ug/l	96
46) Dibromomethane	9.706	93	28140	20.062	ug/l	98
47) Bromodichloromethane	9.882	83	59008	19.849	ug/l	97
48) Methyl methacrylate	9.676	41	36687	20.148	ug/l	98
49) 1,4-Dioxane	9.694	88	12977	410.958	ug/l #	89
51) 4-Methyl-2-Pentanone	10.441	43	230239	103.015	ug/l	99
52) Toluene	10.629	92	100021	20.615	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	61215	20.539	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	64823	20.501	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	36732	20.326	ug/l	96
56) Ethyl methacrylate	10.871	69	55691	21.089	ug/l	98
57) 1,3-Dichloropropane	11.159	76	63314	19.906	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	137602	106.227	ug/l	100
59) 2-Hexanone	11.194	43	179717	107.514	ug/l	99
60) Dibromochloromethane	11.353	129	44450	20.126	ug/l	97
61) 1,2-Dibromoethane	11.465	107	37228	19.905	ug/l	99
64) Tetrachloroethene	11.100	164	32716	20.155	ug/l	93
65) Chlorobenzene	11.888	112	108255	19.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	37404	19.446	ug/l	98
67) Ethyl Benzene	11.959	91	181169	20.440	ug/l	98
68) m/p-Xylenes	12.070	106	141133	41.824	ug/l	99
69) o-Xylene	12.394	106	66013	20.565	ug/l	97
70) Styrene	12.406	104	113503	21.263	ug/l	99
71) Bromoform	12.576	173	28783	20.159	ug/l #	98
73) Isopropylbenzene	12.694	105	168631	20.438	ug/l	100
74) N-amyl acetate	12.494	43	72208	21.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	53889	19.127	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	43650m	19.951	ug/l	
77) Bromobenzene	12.976	156	43298	19.500	ug/l	99
78) n-propylbenzene	13.035	91	196551	20.653	ug/l	99
79) 2-Chlorotoluene	13.123	91	128714	20.261	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	145726	21.048	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	18860	20.144	ug/l	99
82) 4-Chlorotoluene	13.217	91	133131	20.131	ug/l	99
83) tert-Butylbenzene	13.435	119	121188	20.344	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	149479	20.974	ug/l	99
85) sec-Butylbenzene	13.611	105	168068	20.885	ug/l	100
86) p-Isopropyltoluene	13.729	119	143841	21.653	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	83500	19.066	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	85098	19.041	ug/l	99
89) n-Butylbenzene	14.053	91	122257	19.790	ug/l	100
90) Hexachloroethane	14.329	117	27899	19.267	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	82164	19.579	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10633	19.517	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	44383	19.467	ug/l	98
94) Hexachlorobutadiene	15.500	225	20642	19.618	ug/l	95
95) Naphthalene	15.641	128	132816	20.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	44145	20.293	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

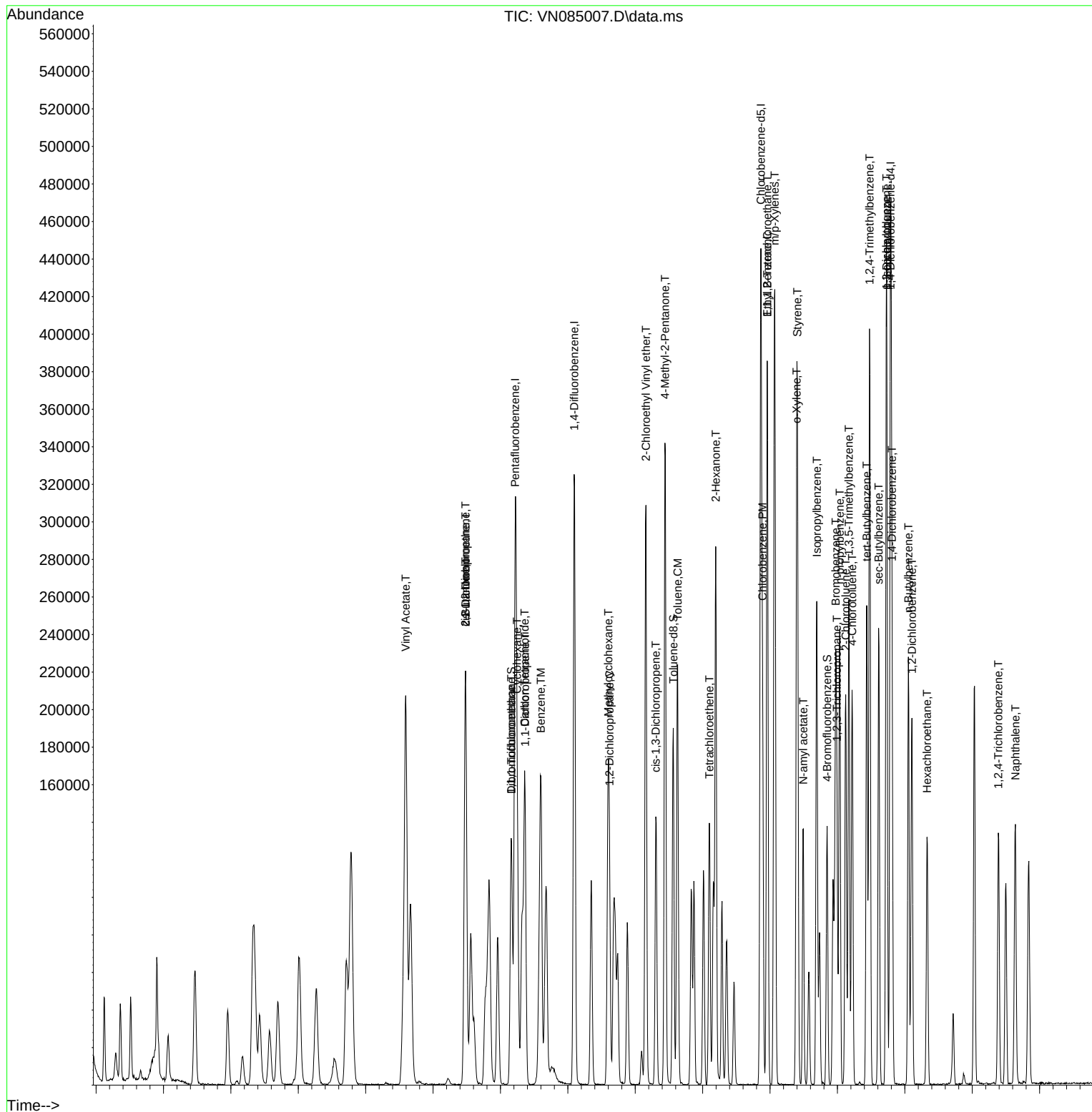
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Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 01:59:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085008.D
 Acq On : 22 Nov 2024 12:34
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:00:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	161407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	278264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	234609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110358	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	23734	10.323	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	20.640%#
35) Dibromofluoromethane	8.159	113	18392	9.801	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	19.600%#
50) Toluene-d8	10.559	98	64656	9.614	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	19.220%#
62) 4-Bromofluorobenzene	12.847	95	24371	9.691	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	19.380%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	17355	9.509	ug/l	98
3) Chloromethane	2.359	50	19463	9.194	ug/l	93
4) Vinyl Chloride	2.512	62	18378	9.661	ug/l	99
5) Bromomethane	2.901	94	10681	10.017	ug/l	99
6) Chloroethane	3.077	64	12602	9.828	ug/l #	88
7) Trichlorofluoromethane	3.477	101	30566	9.445	ug/l	98
8) Diethyl Ether	3.953	74	10394	9.437	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.353	101	17791	9.693	ug/l	98
10) Methyl Iodide	4.583	142	22722	9.353	ug/l	95
11) Tert butyl alcohol	5.542	59	15491	50.421	ug/l #	81
12) 1,1-Dichloroethene	4.324	96	16330	9.532	ug/l	93
13) Acrolein	4.183	56	10601	51.710	ug/l	99
14) Allyl chloride	5.006	41	28006	9.697	ug/l	97
15) Acrylonitrile	5.718	53	40469	46.525	ug/l	98
16) Acetone	4.430	43	32743	48.900	ug/l	99
17) Carbon Disulfide	4.700	76	47181	9.331	ug/l #	93
18) Methyl Acetate	5.018	43	23065	9.856	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	53672	9.589	ug/l	96
20) Methylene Chloride	5.271	84	19680	9.632	ug/l	93
21) trans-1,2-Dichloroethene	5.777	96	16759	9.296	ug/l	92
22) Diisopropyl ether	6.665	45	56475	9.716	ug/l	99
23) Vinyl Acetate	6.594	43	192330	47.962	ug/l	100
24) 1,1-Dichloroethane	6.559	63	33350	9.588	ug/l #	92
25) 2-Butanone	7.477	43	51223	46.790	ug/l	95
26) 2,2-Dichloropropane	7.477	77	30494	9.388	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	20469	9.418	ug/l	99
28) Bromochloromethane	7.806	49	12594	9.591	ug/l	95
29) Tetrahydrofuran	7.841	42	32197	47.294	ug/l	99
30) Chloroform	7.959	83	34651	9.365	ug/l	98
31) Cyclohexane	8.253	56	29526	9.641	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	32054	9.587	ug/l	98
36) 1,1-Dichloropropene	8.371	75	23205	9.130	ug/l	99
37) Ethyl Acetate	7.559	43	22487	9.732	ug/l #	97
38) Carbon Tetrachloride	8.353	117	26952	9.186	ug/l	97
39) Methylcyclohexane	9.594	83	23924	9.058	ug/l	96
40) Benzene	8.600	78	75597	9.404	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085008.D
 Acq On : 22 Nov 2024 12:34
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:00:17 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M

Quant Title : SW846 8260

QLast Update : Sat Nov 23 01:56:57 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	12417	9.705	ug/l	99
42) 1,2-Dichloroethane	8.659	62	25169	9.152	ug/l	100
43) Isopropyl Acetate	8.688	43	43717	9.108	ug/l	95
44) Trichloroethene	9.347	130	17835	9.547	ug/l	90
45) 1,2-Dichloropropane	9.618	63	18902	9.546	ug/l	98
46) Dibromomethane	9.706	93	12540	9.114	ug/l	96
47) Bromodichloromethane	9.888	83	27136	9.306	ug/l	95
48) Methyl methacrylate	9.677	41	16793	9.402	ug/l	95
49) 1,4-Dioxane	9.694	88	6366	205.527	ug/l #	90
51) 4-Methyl-2-Pentanone	10.441	43	106422	48.544	ug/l	100
52) Toluene	10.630	92	44072	9.261	ug/l	95
53) t-1,3-Dichloropropene	10.835	75	27040	9.249	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	28183	9.087	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	17498	9.871	ug/l	98
56) Ethyl methacrylate	10.871	69	24309	9.385	ug/l	99
57) 1,3-Dichloropropane	11.159	76	29257	9.378	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	61252	48.207	ug/l	97
59) 2-Hexanone	11.194	43	77951	47.542	ug/l	98
60) Dibromochloromethane	11.353	129	19478	8.991	ug/l	97
61) 1,2-Dibromoethane	11.465	107	17673	9.633	ug/l	95
64) Tetrachloroethene	11.100	164	15092	9.547	ug/l	94
65) Chlorobenzene	11.888	112	51106	9.605	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	17966	9.590	ug/l	98
67) Ethyl Benzene	11.959	91	79668	9.229	ug/l	95
68) m/p-Xylenes	12.071	106	62195	18.925	ug/l	98
69) o-Xylene	12.394	106	30067	9.618	ug/l	95
70) Styrene	12.412	104	50150	9.647	ug/l	99
71) Bromoform	12.576	173	12832	9.228	ug/l #	96
73) Isopropylbenzene	12.694	105	75080	9.644	ug/l	98
74) N-amyl acetate	12.488	43	29811	9.292	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	25341	9.532	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	16940m	8.206	ug/l	
77) Bromobenzene	12.976	156	19904	9.500	ug/l	99
78) n-propylbenzene	13.035	91	85642	9.537	ug/l	98
79) 2-Chlorotoluene	13.123	91	58233	9.715	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	63212	9.676	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	8603	9.738	ug/l	99
82) 4-Chlorotoluene	13.218	91	60156	9.640	ug/l	100
83) tert-Butylbenzene	13.435	119	53773	9.566	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	64606	9.607	ug/l	99
85) sec-Butylbenzene	13.618	105	72405	9.535	ug/l	99
86) p-Isopropyltoluene	13.729	119	60467	9.647	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	38501	9.317	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	39471	9.360	ug/l	99
89) n-Butylbenzene	14.059	91	52430	8.994	ug/l	100
90) Hexachloroethane	14.335	117	12541	9.179	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	37183	9.390	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4917	9.565	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	20285	9.429	ug/l	97
94) Hexachlorobutadiene	15.500	225	9015	9.080	ug/l	98
95) Naphthalene	15.641	128	54191	8.844	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	18745	9.132	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

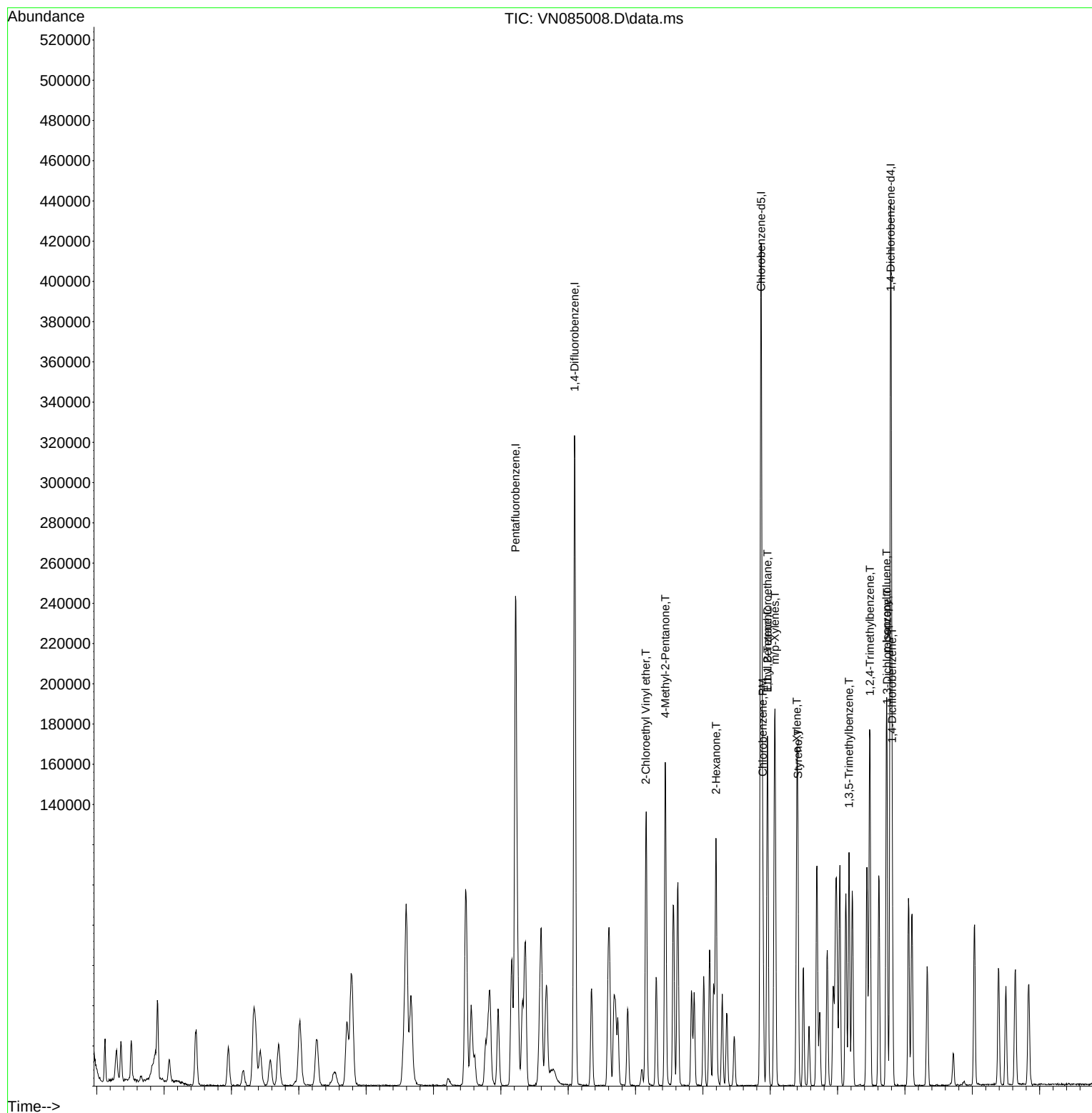
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:00:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085009.D
 Acq On : 22 Nov 2024 12:57
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	165285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	280025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	235767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108389	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	11977	5.087	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	10.180%#
35) Dibromofluoromethane	8.159	113	9597	5.082	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	10.160%#
50) Toluene-d8	10.559	98	32318	4.775	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	9.560%#
62) 4-Bromofluorobenzene	12.847	95	12715	5.024	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	10.040%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	9758	5.221	ug/l	91
3) Chloromethane	2.359	50	10967	5.059	ug/l	97
4) Vinyl Chloride	2.512	62	10043	5.155	ug/l	92
5) Bromomethane	2.900	94	6052	5.543	ug/l	98
6) Chloroethane	3.059	64	6721	5.119	ug/l	93
7) Trichlorofluoromethane	3.465	101	17204	5.192	ug/l	98
8) Diethyl Ether	3.947	74	5696	5.050	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.353	101	9518	5.064	ug/l	98
10) Methyl Iodide	4.577	142	12631	5.077	ug/l	96
11) Tert butyl alcohol	5.541	59	9684	30.780	ug/l #	89
12) 1,1-Dichloroethene	4.318	96	8977	5.117	ug/l #	92
13) Acrolein	4.177	56	4745	22.602	ug/l	95
14) Allyl chloride	5.006	41	14439	4.882	ug/l	97
15) Acrylonitrile	5.712	53	22627	25.403	ug/l	96
16) Acetone	4.430	43	16131	23.525	ug/l	93
17) Carbon Disulfide	4.694	76	26272	5.074	ug/l #	87
18) Methyl Acetate	5.018	43	14139	5.429	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	27679	4.829	ug/l	95
20) Methylene Chloride	5.271	84	10410	4.975	ug/l #	88
21) trans-1,2-Dichloroethene	5.765	96	9388	5.085	ug/l	99
22) Diisopropyl ether	6.659	45	30018	5.043	ug/l	97
23) Vinyl Acetate	6.594	43	97507	23.745	ug/l	96
24) 1,1-Dichloroethane	6.559	63	18044	5.066	ug/l	97
25) 2-Butanone	7.482	43	27100	24.174	ug/l	98
26) 2,2-Dichloropropane	7.482	77	16525	4.968	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	11250	5.055	ug/l	96
28) Bromochloromethane	7.806	49	6592	4.903	ug/l #	98
29) Tetrahydrofuran	7.841	42	17501	25.104	ug/l	99
30) Chloroform	7.959	83	18837	4.971	ug/l	91
31) Cyclohexane	8.247	56	18036	5.751	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	16611	4.851	ug/l	97
36) 1,1-Dichloropropene	8.371	75	13147	5.140	ug/l	98
37) Ethyl Acetate	7.553	43	11891	5.114	ug/l #	79
38) Carbon Tetrachloride	8.359	117	14827	5.022	ug/l	96
39) Methylcyclohexane	9.594	83	13143	4.945	ug/l	95
40) Benzene	8.600	78	40657	5.026	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085009.D
 Acq On : 22 Nov 2024 12:57
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:07 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M

Quant Title : SW846 8260

QLast Update : Sat Nov 23 01:56:57 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	5687	4.417	ug/l	93
42) 1,2-Dichloroethane	8.671	62	14824	5.356	ug/l	99
43) Isopropyl Acetate	8.688	43	23894	4.947	ug/l	95
44) Trichloroethene	9.347	130	9711	5.165	ug/l	100
45) 1,2-Dichloropropane	9.618	63	9859	4.948	ug/l	99
46) Dibromomethane	9.706	93	6962	5.028	ug/l	98
47) Bromodichloromethane	9.888	83	14562	4.962	ug/l #	96
48) Methyl methacrylate	9.676	41	8840	4.918	ug/l	94
49) 1,4-Dioxane	9.694	88	2953	94.738	ug/l #	83
51) 4-Methyl-2-Pentanone	10.441	43	55176	25.010	ug/l	100
52) Toluene	10.629	92	24051	5.022	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	13412	4.559	ug/l	91
54) cis-1,3-Dichloropropene	10.312	75	14917	4.779	ug/l	95
55) 1,1,2-Trichloroethane	11.017	97	8791	4.928	ug/l	96
56) Ethyl methacrylate	10.876	69	12004	4.605	ug/l	93
57) 1,3-Dichloropropane	11.159	76	15736	5.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	27177	21.254	ug/l	100
59) 2-Hexanone	11.194	43	41641	25.237	ug/l	95
60) Dibromochloromethane	11.359	129	10844	4.974	ug/l	98
61) 1,2-Dibromoethane	11.465	107	9468	5.128	ug/l	96
64) Tetrachloroethene	11.100	164	8826	5.556	ug/l	89
65) Chlorobenzene	11.888	112	26717	4.997	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	9904	5.261	ug/l	96
67) Ethyl Benzene	11.959	91	42642	4.916	ug/l	96
68) m/p-Xylenes	12.070	106	31421	9.514	ug/l	99
69) o-Xylene	12.400	106	14935	4.754	ug/l	98
70) Styrene	12.412	104	24480	4.686	ug/l	99
71) Bromoform	12.576	173	7040	5.038	ug/l #	100
73) Isopropylbenzene	12.694	105	37544	4.910	ug/l	97
74) N-amyl acetate	12.494	43	14995	4.759	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	13341	5.109	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	8907m	4.393	ug/l	
77) Bromobenzene	12.976	156	10485	5.095	ug/l	94
78) n-propylbenzene	13.035	91	43493	4.931	ug/l	99
79) 2-Chlorotoluene	13.123	91	29037	4.932	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	30809	4.802	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	4774	5.502	ug/l #	88
82) 4-Chlorotoluene	13.217	91	30558	4.986	ug/l	97
83) tert-Butylbenzene	13.435	119	26485	4.797	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	31328	4.743	ug/l	98
85) sec-Butylbenzene	13.611	105	35183	4.718	ug/l	99
86) p-Isopropyltoluene	13.729	119	28019	4.551	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	21043	5.185	ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	22041	5.322	ug/l	93
89) n-Butylbenzene	14.053	91	27093	4.732	ug/l	99
90) Hexachloroethane	14.329	117	6869	5.119	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	19670	5.058	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	2703	5.353	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	10547	4.992	ug/l	98
94) Hexachlorobutadiene	15.494	225	5141	5.272	ug/l	96
95) Naphthalene	15.641	128	29077	4.832	ug/l	97
96) 1,2,3-Trichlorobenzene	15.835	180	10042	4.981	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration

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

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

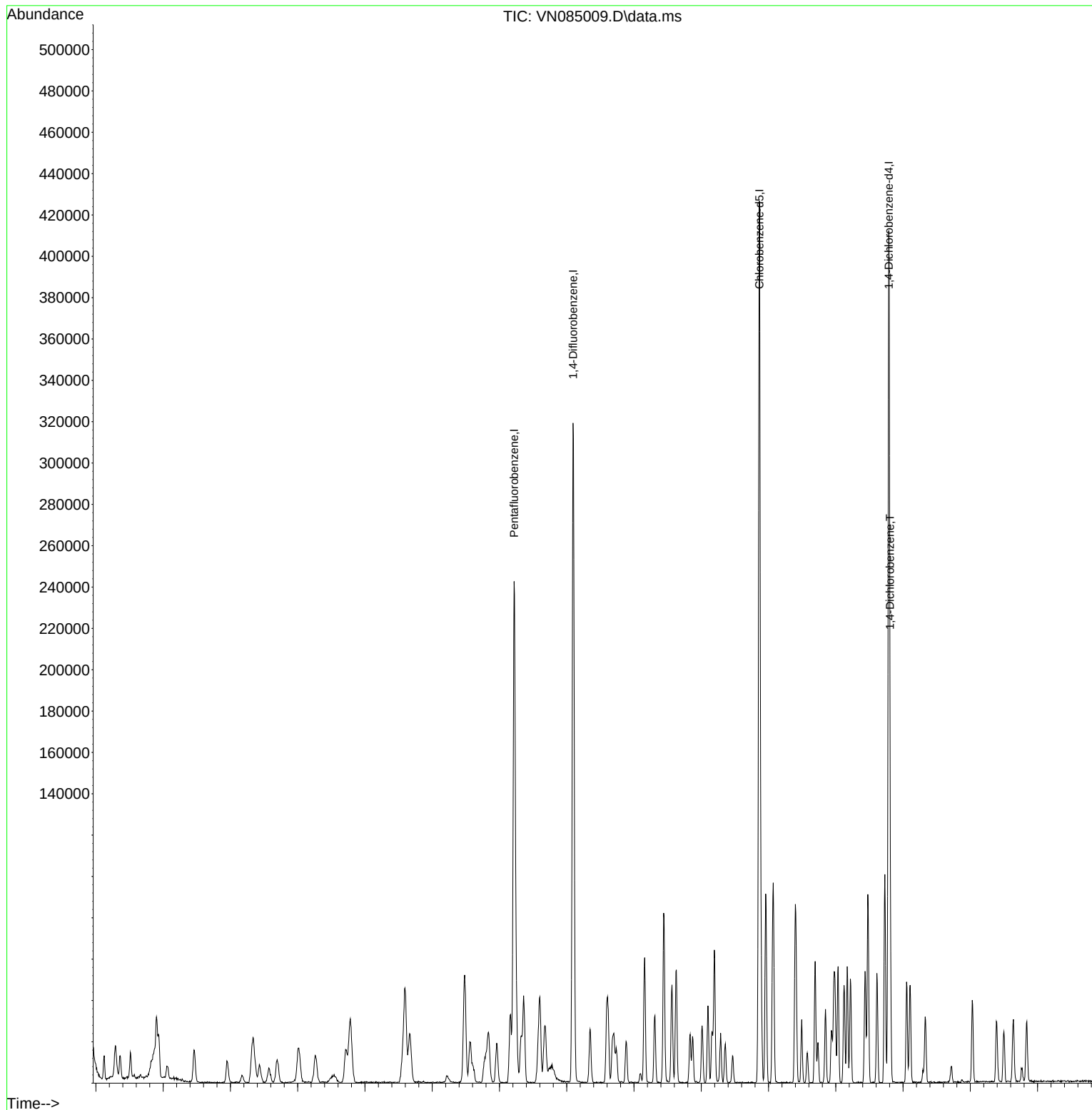
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085010.D
 Acq On : 22 Nov 2024 13:45
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	142307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88784	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	1589	0.987	ug/l	91
3) Chloromethane	2.359	50	2580	1.382	ug/l #	86
4) Vinyl Chloride	2.518	62	1730	1.031	ug/l #	81
6) Chloroethane	3.077	64	1303m	1.153	ug/l	
7) Trichlorofluoromethane	3.453	101	2950	1.034	ug/l	99
8) Diethyl Ether	3.953	74	898	0.925	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.365	101	1632m	1.009	ug/l	
12) 1,1-Dichloroethene	4.324	96	1511	1.000	ug/l #	61
14) Allyl chloride	5.012	41	2663	1.046	ug/l	98
15) Acrylonitrile	5.718	53	4314	5.625	ug/l #	75
16) Acetone	4.442	43	2973	5.036	ug/l #	69
17) Carbon Disulfide	4.694	76	5206	1.168	ug/l #	84
18) Methyl Acetate	5.030	43	3542m	0.747	ug/l	
19) Methyl tert-butyl Ether	5.789	73	4765m	0.966	ug/l	
20) Methylene Chloride	5.271	84	2130m	1.182	ug/l	
21) trans-1,2-Dichloroethene	5.783	96	1624	1.022	ug/l	95
22) Diisopropyl ether	6.665	45	5194	1.014	ug/l	96
23) Vinyl Acetate	6.600	43	16519	4.672	ug/l	99
24) 1,1-Dichloroethane	6.559	63	3177	1.036	ug/l #	83
25) 2-Butanone	7.477	43	5363	5.556	ug/l #	89
26) 2,2-Dichloropropane	7.494	77	3083	1.077	ug/l	86
27) cis-1,2-Dichloroethene	7.477	96	2074	1.082	ug/l	88
28) Bromochloromethane	7.806	49	1248	1.078	ug/l #	94
29) Tetrahydrofuran	7.835	42	3038	5.061	ug/l	90
30) Chloroform	7.959	83	3824	1.172	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	3231	1.096	ug/l #	48
36) 1,1-Dichloropropene	8.365	75	2304	0.989	ug/l #	87
37) Ethyl Acetate	7.547	43	2101	0.992	ug/l #	67
38) Carbon Tetrachloride	8.359	117	2554	0.949	ug/l	92
39) Methylcyclohexane	9.600	83	1948	0.804	ug/l	89
40) Benzene	8.600	78	7459	1.012	ug/l #	83
41) Methacrylonitrile	7.777	41	1263	1.077	ug/l #	70
42) 1,2-Dichloroethane	8.671	62	2512	0.996	ug/l	81
43) Isopropyl Acetate	8.688	43	5905m	1.342	ug/l	
44) Trichloroethene	9.347	130	1685	0.984	ug/l	74
45) 1,2-Dichloropropane	9.618	63	1911	1.053	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085010.D
 Acq On : 22 Nov 2024 13:45
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/25/2024
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 01:56:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	1327	1.052	ug/l	100
47) Bromodichloromethane	9.894	83	2757	1.031	ug/l #	72
48) Methyl methacrylate	9.682	41	1550	0.946	ug/l	91
49) 1,4-Dioxane	9.700	88	553	19.470	ug/l #	54
51) 4-Methyl-2-Pentanone	10.441	43	9203	4.578	ug/l	93
52) Toluene	10.624	92	3979	0.912	ug/l	92
53) t-1,3-Dichloropropene	10.829	75	2680	1.000	ug/l	89
54) cis-1,3-Dichloropropene	10.312	75	2759	0.970	ug/l	94
55) 1,1,2-Trichloroethane	11.012	97	1536	0.945	ug/l #	79
56) Ethyl methacrylate	10.876	69	1888	0.795	ug/l	97
57) 1,3-Dichloropropane	11.165	76	2917	1.020	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	4254	3.651	ug/l	98
59) 2-Hexanone	11.200	43	6264	4.166	ug/l	90
60) Dibromochloromethane	11.359	129	2099	1.057	ug/l	93
61) 1,2-Dibromoethane	11.465	107	1648	0.980	ug/l	98
64) Tetrachloroethene	11.100	164	1291	0.911	ug/l #	88
65) Chlorobenzene	11.888	112	5217	1.094	ug/l #	81
66) 1,1,1,2-Tetrachloroethane	11.965	131	1639	0.976	ug/l #	62
67) Ethyl Benzene	11.959	91	6914	0.894	ug/l #	85
68) m/p-Xylenes	12.070	106	5269	1.789	ug/l	91
69) o-Xylene	12.400	106	2514	0.897	ug/l	82
70) Styrene	12.406	104	3871	0.831	ug/l	99
71) Bromoform	12.576	173	1215	0.975	ug/l #	92
73) Isopropylbenzene	12.688	105	5637	0.900	ug/l	99
74) N-amyl acetate	12.494	43	2377	0.921	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.929	83	2694	1.260	ug/l #	82
76) 1,2,3-Trichloropropane	12.988	75	1816m	1.093	ug/l	
77) Bromobenzene	12.982	156	1903	1.129	ug/l	86
78) n-propylbenzene	13.029	91	6275	0.869	ug/l	97
79) 2-Chlorotoluene	13.123	91	4935	1.023	ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	4473	0.851	ug/l	98
82) 4-Chlorotoluene	13.223	91	5286	1.053	ug/l	92
83) tert-Butylbenzene	13.435	119	4357	0.963	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	4802	0.888	ug/l	100
85) sec-Butylbenzene	13.612	105	5284	0.865	ug/l	99
86) p-Isopropyltoluene	13.729	119	4047	0.803	ug/l	88
87) 1,3-Dichlorobenzene	13.729	146	4131	1.243	ug/l	86
88) 1,4-Dichlorobenzene	13.806	146	4149m	1.223	ug/l	
89) n-Butylbenzene	14.053	91	4981	1.062	ug/l	92
90) Hexachloroethane	14.329	117	1217	1.107	ug/l #	52
91) 1,2-Dichlorobenzene	14.100	146	3830	1.202	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.723	75	470	1.136	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	2092	1.209	ug/l	93
94) Hexachlorobutadiene	15.494	225	987	1.236	ug/l	80
95) Naphthalene	15.641	128	5242	1.063	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	1849	1.120	ug/l	94

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

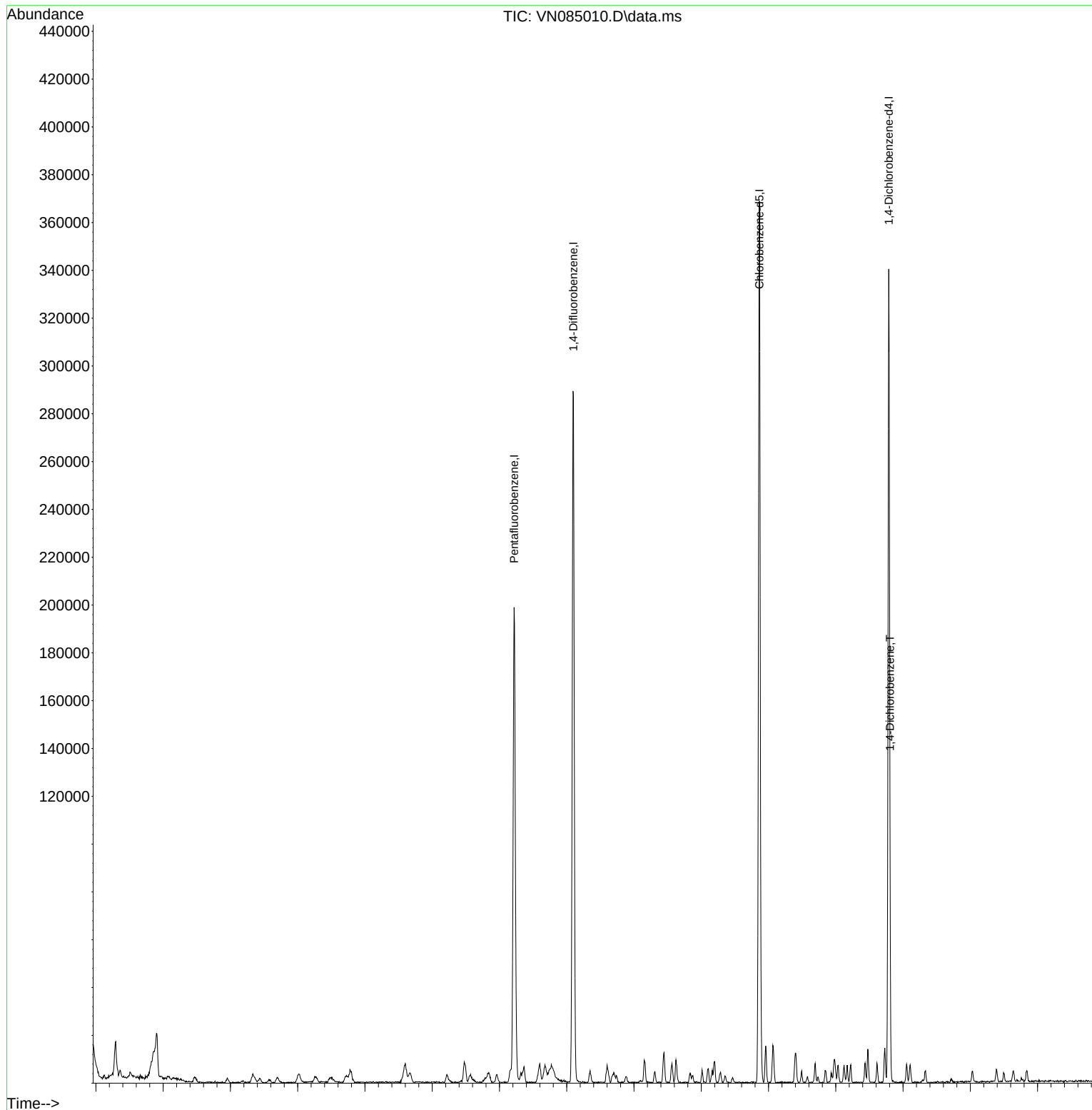
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/25/2024
Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:01:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 01:56:57 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
 Supervised By :Mahesh Dadoda 11/25/2024

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	180278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128770	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129855	50.568	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.140%
35) Dibromofluoromethane	8.159	113	102148	51.572	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.140%
50) Toluene-d8	10.559	98	379679	53.488	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.980%
62) 4-Bromofluorobenzene	12.847	95	141423	53.276	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.560%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	95019	46.612	ug/l	99
3) Chloromethane	2.359	50	99689	42.164	ug/l	98
4) Vinyl Chloride	2.512	62	97145	45.721	ug/l	95
5) Bromomethane	2.900	94	53525	44.945	ug/l	91
6) Chloroethane	3.077	64	59473	41.527	ug/l	94
7) Trichlorofluoromethane	3.477	101	165959	45.916	ug/l	94
8) Diethyl Ether	3.953	74	58978	47.942	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	93701	45.709	ug/l	99
10) Methyl Iodide	4.577	142	127705	47.063	ug/l	97
11) Tert butyl alcohol	5.536	59	74416	216.857	ug/l	97
12) 1,1-Dichloroethene	4.330	96	89314	46.677	ug/l	97
13) Acrolein	4.171	56	58781	256.710	ug/l	99
14) Allyl chloride	5.012	41	152182	47.178	ug/l	99
15) Acrylonitrile	5.712	53	225423	232.029	ug/l	99
16) Acetone	4.424	43	188963	252.665	ug/l	99
17) Carbon Disulfide	4.700	76	244899	43.362	ug/l #	94
18) Methyl Acetate	5.018	43	111346	46.500	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	303857	48.602	ug/l	98
20) Methylene Chloride	5.271	84	98339	43.090	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	92234	45.805	ug/l #	89
22) Diisopropyl ether	6.665	45	306957	47.281	ug/l	98
23) Vinyl Acetate	6.594	43	1108786	247.560	ug/l	100
24) 1,1-Dichloroethane	6.559	63	177343	45.647	ug/l	99
25) 2-Butanone	7.477	43	294434	240.802	ug/l	100
26) 2,2-Dichloropropane	7.488	77	168144	46.349	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	110716	45.609	ug/l	97
28) Bromochloromethane	7.812	49	67335	45.913	ug/l	97
29) Tetrahydrofuran	7.835	42	183433	241.241	ug/l	100
30) Chloroform	7.959	83	188550	45.623	ug/l	95
31) Cyclohexane	8.253	56	157639	46.084	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	170723	45.714	ug/l	99
36) 1,1-Dichloropropene	8.365	75	129026	48.093	ug/l	99
37) Ethyl Acetate	7.553	43	113781	46.651	ug/l	100
38) Carbon Tetrachloride	8.359	117	151265	48.846	ug/l	98
39) Methylcyclohexane	9.594	83	145286	52.114	ug/l	98
40) Benzene	8.600	78	404536	47.675	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
 Supervised By :Mahesh Dadoda 11/25/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	66590	49.311	ug/l	98
42) 1,2-Dichloroethane	8.665	62	136508	47.025	ug/l	100
43) Isopropyl Acetate	8.688	43	210623	41.574	ug/l	99
44) Trichloroethene	9.347	130	93086	47.205	ug/l	98
45) 1,2-Dichloropropane	9.618	63	98380	47.073	ug/l	95
46) Dibromomethane	9.706	93	69575	47.909	ug/l	99
47) Bromodichloromethane	9.882	83	146603	47.631	ug/l	97
48) Methyl methacrylate	9.676	41	95959	50.900	ug/l	97
49) 1,4-Dioxane	9.694	88	31078	950.585	ug/l #	87
51) 4-Methyl-2-Pentanone	10.441	43	582480	251.720	ug/l	100
52) Toluene	10.629	92	249568	49.682	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	150836	48.881	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	164009	50.100	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	92219	49.287	ug/l	99
56) Ethyl methacrylate	10.871	69	149537	54.694	ug/l	98
57) 1,3-Dichloropropane	11.159	76	158000	47.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	315602	235.323	ug/l	99
59) 2-Hexanone	11.194	43	444749	256.983	ug/l	100
60) Dibromochloromethane	11.359	129	108961	47.650	ug/l	99
61) 1,2-Dibromoethane	11.465	107	94657	48.883	ug/l	96
64) Tetrachloroethene	11.100	164	82753	48.316	ug/l	97
65) Chlorobenzene	11.888	112	264798	45.936	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	95374	46.991	ug/l	98
67) Ethyl Benzene	11.959	91	477400	51.046	ug/l	96
68) m/p-Xylenes	12.065	106	363006	101.951	ug/l	99
69) o-Xylene	12.394	106	173028	51.086	ug/l	98
70) Styrene	12.406	104	296759	52.687	ug/l	99
71) Bromoform	12.576	173	73244	48.617	ug/l #	98
73) Isopropylbenzene	12.694	105	445261	49.014	ug/l	100
74) N-amyl acetate	12.494	43	184990	49.418	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	132755	42.796	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	105927m	45.225	ug/l	
77) Bromobenzene	12.976	156	108566	44.410	ug/l	99
78) n-propylbenzene	13.035	91	525567	50.160	ug/l	98
79) 2-Chlorotoluene	13.123	91	324611	46.409	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	382819	50.220	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	49617	46.764	ug/l	98
82) 4-Chlorotoluene	13.217	91	331271	45.496	ug/l	99
83) tert-Butylbenzene	13.435	119	320979	48.939	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	392031	49.962	ug/l	99
85) sec-Butylbenzene	13.612	105	444471	50.166	ug/l	99
86) p-Isopropyltoluene	13.729	119	378270	51.719	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	204731	42.459	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	202930	41.240	ug/l	97
89) n-Butylbenzene	14.053	91	325752	47.892	ug/l	100
90) Hexachloroethane	14.335	117	72271	45.332	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	200864	43.472	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26503	44.183	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	107707	42.908	ug/l	99
94) Hexachlorobutadiene	15.500	225	49330	42.581	ug/l	99
95) Naphthalene	15.641	128	329352	46.067	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	102829	42.932	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

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

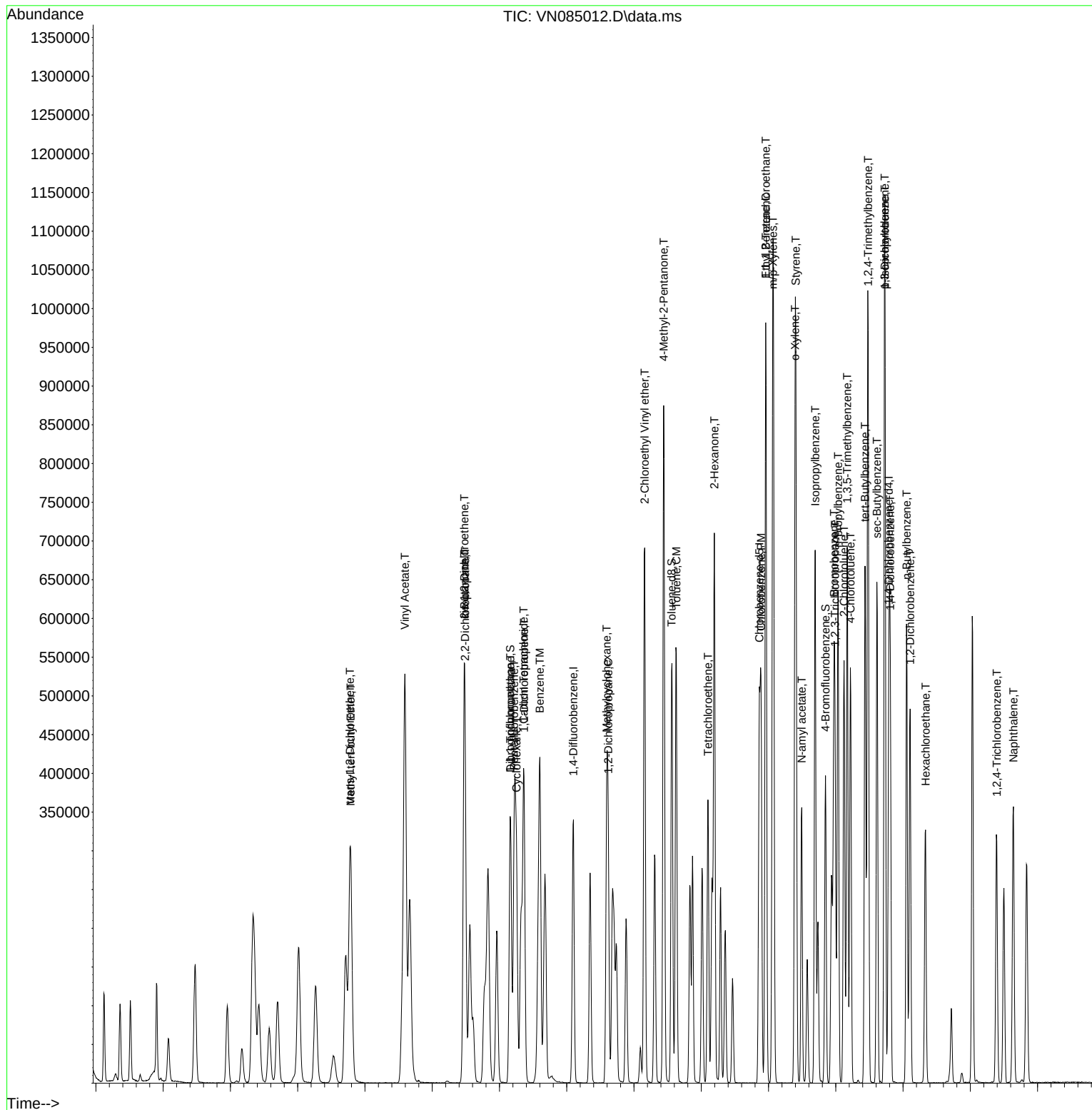

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\  
Data File : VN085012.D  
Acq On    : 22 Nov 2024 16:07  
Operator  : JC\MD  
Sample    : VSTDICV050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 11 Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Manual Integrations APPROVED

Reviewed By :John Carlone 11/25/2024
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	110	0.00
2 T	Dichlorodifluoromethane	0.565	0.527	6.7	104	0.00
3 P	Chloromethane	0.656	0.553	15.7	103	0.00
4 C	Vinyl Chloride	0.589	0.539	8.5#	103	0.00
5 T	Bromomethane	0.330	0.297	10.0	105	0.00
6 T	Chloroethane	0.397	0.330	16.9	96	0.01
7 T	Trichlorofluoromethane	1.002	0.921	8.1	105	0.02
8 T	Diethyl Ether	0.341	0.327	4.1	103	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.569	0.520	8.6	104	0.00
10 T	Methyl Iodide	0.753	0.708	6.0	105	0.00
11 T	Tert butyl alcohol	0.095	0.083	12.6	101	0.00
12 CM	1,1-Dichloroethene	0.531	0.495	6.8#	104	0.01
13 T	Acrolein	0.064	0.065	-1.6	103	0.00
14 T	Allyl chloride	0.895	0.844	5.7	105	0.00
15 T	Acrylonitrile	0.269	0.250	7.1	105	0.00
16 T	Acetone	0.207	0.210	-1.4	114	0.00
17 T	Carbon Disulfide	1.566	1.358	13.3	102	0.00
18 T	Methyl Acetate	0.804	0.618	23.1	104	0.00
19 T	Methyl tert-butyl Ether	1.734	1.685	2.8	105	0.00
20 T	Methylene Chloride	0.633	0.545	13.9	102	0.00
21 T	trans-1,2-Dichloroethene	0.558	0.512	8.2	101	0.00
22 T	Diisopropyl ether	1.801	1.703	5.4	106	0.00
23 T	Vinyl Acetate	1.242	1.230	1.0	105	0.00
24 P	1,1-Dichloroethane	1.078	0.984	8.7	103	0.00
25 T	2-Butanone	0.339	0.327	3.5	109	0.00
26 T	2,2-Dichloropropane	1.006	0.933	7.3	104	0.00
27 T	cis-1,2-Dichloroethene	0.673	0.614	8.8	103	0.00
28 T	Bromochloromethane	0.407	0.374	8.1	104	0.00
29 T	Tetrahydrofuran	0.211	0.204	3.3	105	0.00
30 C	Chloroform	1.146	1.046	8.7#	105	0.00
31 T	Cyclohexane	0.949	0.874	7.9	109	0.00
32 T	1,1,1-Trichloroethane	1.036	0.947	8.6	103	0.00
33 S	1,2-Dichloroethane-d4	0.712	0.720	-1.1	113	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35 S	Dibromofluoromethane	0.337	0.348	-3.3	111	0.00
36 T	1,1-Dichloropropene	0.457	0.439	3.9	104	0.00
37 T	Ethyl Acetate	0.415	0.387	6.7	104	0.00
38 T	Carbon Tetrachloride	0.527	0.515	2.3	104	0.00
39 T	Methylcyclohexane	0.475	0.495	-4.2	106	0.00
40 TM	Benzene	1.444	1.377	4.6	105	0.00
41 T	Methacrylonitrile	0.230	0.227	1.3	106	0.00
42 TM	1,2-Dichloroethane	0.494	0.465	5.9	105	0.00
43 T	Isopropyl Acetate	0.862	0.717	16.8	103	0.00
44 TM	Trichloroethene	0.336	0.317	5.7	105	0.00
45 C	1,2-Dichloropropane	0.356	0.335	5.9#	104	0.00
46 T	Dibromomethane	0.247	0.237	4.0	105	0.00
47 T	Bromodichloromethane	0.524	0.499	4.8	103	0.00
48 T	Methyl methacrylate	0.321	0.327	-1.9	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.006	0.005	16.7	98	0.00
50 S	Toluene-d8	1.208	1.293	-7.0	112	0.00
51 T	4-Methyl-2-Pentanone	0.394	0.397	-0.8	106	0.00
52 CM	Toluene	0.855	0.850	0.6#	104	0.00
53 T	t-1,3-Dichloropropene	0.525	0.514	2.1	101	0.00
54 T	cis-1,3-Dichloropropene	0.557	0.558	-0.2	105	0.00
55 T	1,1,2-Trichloroethane	0.319	0.314	1.6	106	0.00
56 T	Ethyl methacrylate	0.465	0.509	-9.5	106	0.00
57 T	1,3-Dichloropropane	0.561	0.538	4.1	104	0.00
58 T	2-Chloroethyl Vinyl ether	0.228	0.215	5.7	86	0.00
59 T	2-Hexanone	0.295	0.303	-2.7	105	0.00
60 T	Dibromochloromethane	0.389	0.371	4.6	104	0.00
61 T	1,2-Dibromoethane	0.330	0.322	2.4	106	0.00
62 S	4-Bromofluorobenzene	0.452	0.482	-6.6	111	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64 T	Tetrachloroethene	0.337	0.326	3.3	109	0.00
65 PM	Chlorobenzene	1.134	1.042	8.1	105	0.00
66 T	1,1,1,2-Tetrachloroethane	0.399	0.375	6.0	103	0.00
67 C	Ethyl Benzene	1.840	1.878	-2.1#	106	0.00
68 T	m/p-Xylenes	0.700	0.714	-2.0	106	0.00
69 T	o-Xylene	0.666	0.681	-2.3	105	0.00
70 T	Styrene	1.108	1.168	-5.4	107	0.00
71 P	Bromoform	0.296	0.288	2.7	102	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00
73 T	Isopropylbenzene	3.527	3.458	2.0	107	0.00
74 T	N-amyl acetate	1.454	1.437	1.2	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.204	1.031	14.4	105	0.00
76 T	1,2,3-Trichloropropane	0.909	0.823	9.5	103	0.00
77 T	Bromobenzene	0.949	0.843	11.2	103	0.00
78 T	n-propylbenzene	4.068	4.081	-0.3	108	0.00
79 T	2-Chlorotoluene	2.716	2.521	7.2	106	0.00
80 T	1,3,5-Trimethylbenzene	2.960	2.973	-0.4	106	0.00
81 T	trans-1,4-Dichloro-2-butene	0.412	0.385	6.6	106	0.00
82 T	4-Chlorotoluene	2.827	2.573	9.0	104	0.00
83 T	tert-Butylbenzene	2.547	2.493	2.1	107	0.00
84 T	1,2,4-Trimethylbenzene	3.047	3.044	0.1	106	0.00
85 T	sec-Butylbenzene	3.440	3.452	-0.3	106	0.00
86 T	p-Isopropyltoluene	2.840	2.938	-3.5	107	0.00
87 T	1,3-Dichlorobenzene	1.872	1.590	15.1	104	0.00
88 T	1,4-Dichlorobenzene	1.911	1.576	17.5	101	0.00
89 T	n-Butylbenzene	2.641	2.530	4.2	107	0.00
90 T	Hexachloroethane	0.619	0.561	9.4	104	0.00
91 T	1,2-Dichlorobenzene	1.794	1.560	13.0	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.206	11.6	106	0.00
93 T	1,2,4-Trichlorobenzene	0.975	0.836	14.3	104	0.00
94 T	Hexachlorobutadiene	0.450	0.383	14.9	107	0.00
95 T	Naphthalene	2.776	2.558	7.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.799	14.1	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	110	0.00
2 T	Dichlorodifluoromethane	50.000	46.612	6.8	104	0.00
3 P	Chloromethane	50.000	42.164	15.7	103	0.00
4 C	Vinyl Chloride	50.000	45.721	8.6#	103	0.00
5 T	Bromomethane	50.000	44.945	10.1	105	0.00
6 T	Chloroethane	50.000	41.527	16.9	96	0.01
7 T	Trichlorofluoromethane	50.000	45.916	8.2	105	0.02
8 T	Diethyl Ether	50.000	47.942	4.1	103	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.709	8.6	104	0.00
10 T	Methyl Iodide	50.000	47.063	5.9	105	0.00
11 T	Tert butyl alcohol	250.000	216.857	13.3	101	0.00
12 CM	1,1-Dichloroethene	50.000	46.677	6.6#	104	0.01
13 T	Acrolein	250.000	256.710	-2.7	103	0.00
14 T	Allyl chloride	50.000	47.178	5.6	105	0.00
15 T	Acrylonitrile	250.000	232.029	7.2	105	0.00
16 T	Acetone	250.000	252.665	-1.1	114	0.00
17 T	Carbon Disulfide	50.000	43.362	13.3	102	0.00
18 T	Methyl Acetate	50.000	46.500	7.0	104	0.00
19 T	Methyl tert-butyl Ether	50.000	48.602	2.8	105	0.00
20 T	Methylene Chloride	50.000	43.090	13.8	102	0.00
21 T	trans-1,2-Dichloroethene	50.000	45.805	8.4	101	0.00
22 T	Diisopropyl ether	50.000	47.281	5.4	106	0.00
23 T	Vinyl Acetate	250.000	247.560	1.0	105	0.00
24 P	1,1-Dichloroethane	50.000	45.647	8.7	103	0.00
25 T	2-Butanone	250.000	240.802	3.7	109	0.00
26 T	2,2-Dichloropropane	50.000	46.349	7.3	104	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.609	8.8	103	0.00
28 T	Bromochloromethane	50.000	45.913	8.2	104	0.00
29 T	Tetrahydrofuran	250.000	241.241	3.5	105	0.00
30 C	Chloroform	50.000	45.623	8.8#	105	0.00
31 T	Cyclohexane	50.000	46.084	7.8	109	0.00
32 T	1,1,1-Trichloroethane	50.000	45.714	8.6	103	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.568	-1.1	113	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35 S	Dibromofluoromethane	50.000	51.572	-3.1	111	0.00
36 T	1,1-Dichloropropene	50.000	48.093	3.8	104	0.00
37 T	Ethyl Acetate	50.000	46.651	6.7	104	0.00
38 T	Carbon Tetrachloride	50.000	48.846	2.3	104	0.00
39 T	Methylcyclohexane	50.000	52.114	-4.2	106	0.00
40 TM	Benzene	50.000	47.675	4.7	105	0.00
41 T	Methacrylonitrile	50.000	49.311	1.4	106	0.00
42 TM	1,2-Dichloroethane	50.000	47.025	6.0	105	0.00
43 T	Isopropyl Acetate	50.000	41.574	16.9	103	0.00
44 TM	Trichloroethene	50.000	47.205	5.6	105	0.00
45 C	1,2-Dichloropropane	50.000	47.073	5.9#	104	0.00
46 T	Dibromomethane	50.000	47.909	4.2	105	0.00
47 T	Bromodichloromethane	50.000	47.631	4.7	103	0.00
48 T	Methyl methacrylate	50.000	50.900	-1.8	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
 Data File : VN085012.D
 Acq On : 22 Nov 2024 16:07
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112224

Quant Time: Nov 23 02:57:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	950.585	4.9	98	0.00
50 S	Toluene-d8	50.000	53.488	-7.0	112	0.00
51 T	4-Methyl-2-Pentanone	250.000	251.720	-0.7	106	0.00
52 CM	Toluene	50.000	49.682	0.6#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	48.881	2.2	101	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.100	-0.2	105	0.00
55 T	1,1,2-Trichloroethane	50.000	49.287	1.4	106	0.00
56 T	Ethyl methacrylate	50.000	54.694	-9.4	106	0.00
57 T	1,3-Dichloropropane	50.000	47.980	4.0	104	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	235.323	5.9	86	0.00
59 T	2-Hexanone	250.000	256.983	-2.8	105	0.00
60 T	Dibromochloromethane	50.000	47.650	4.7	104	0.00
61 T	1,2-Dibromoethane	50.000	48.883	2.2	106	0.00
62 S	4-Bromofluorobenzene	50.000	53.276	-6.6	111	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64 T	Tetrachloroethene	50.000	48.316	3.4	109	0.00
65 PM	Chlorobenzene	50.000	45.936	8.1	105	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	46.991	6.0	103	0.00
67 C	Ethyl Benzene	50.000	51.046	-2.1#	106	0.00
68 T	m/p-Xylenes	100.000	101.951	-2.0	106	0.00
69 T	o-Xylene	50.000	51.086	-2.2	105	0.00
70 T	Styrene	50.000	52.687	-5.4	107	0.00
71 P	Bromoform	50.000	48.617	2.8	102	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	112	0.00
73 T	Isopropylbenzene	50.000	49.014	2.0	107	0.00
74 T	N-amyl acetate	50.000	49.418	1.2	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	42.796	14.4	105	0.00
76 T	1,2,3-Trichloropropane	50.000	45.225	9.5	103	0.00
77 T	Bromobenzene	50.000	44.410	11.2	103	0.00
78 T	n-propylbenzene	50.000	50.160	-0.3	108	0.00
79 T	2-Chlorotoluene	50.000	46.409	7.2	106	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.220	-0.4	106	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.764	6.5	106	0.00
82 T	4-Chlorotoluene	50.000	45.496	9.0	104	0.00
83 T	tert-Butylbenzene	50.000	48.939	2.1	107	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.962	0.1	106	0.00
85 T	sec-Butylbenzene	50.000	50.166	-0.3	106	0.00
86 T	p-Isopropyltoluene	50.000	51.719	-3.4	107	0.00
87 T	1,3-Dichlorobenzene	50.000	42.459	15.1	104	0.00
88 T	1,4-Dichlorobenzene	50.000	41.240	17.5	101	0.00
89 T	n-Butylbenzene	50.000	47.892	4.2	107	0.00
90 T	Hexachloroethane	50.000	45.332	9.3	104	0.00
91 T	1,2-Dichlorobenzene	50.000	43.472	13.1	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.183	11.6	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	42.908	14.2	104	0.00
94 T	Hexachlorobutadiene	50.000	42.581	14.8	107	0.00
95 T	Naphthalene	50.000	46.067	7.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085012.D
Acq On : 22 Nov 2024 16:07
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112224

Quant Time: Nov 23 02:57:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	42.932	14.1	100	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG No.: P5291

Instrument ID: MSVOA_N Calibration Date(s): 12/18/2024 12/18/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:56 13:57

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

LAB FILE ID:		RRF100 = VN085245.D		RRF050 = VN085246.D		RRF020 = VN085247.D			
		RRF010 = VN085248.D		RRF005 = VN085249.D		RRF001 = VN085250.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
Dichlorodifluoromethane	0.842	0.859	0.703	0.854	0.724	0.797	0.797	8.6	
Chloromethane	0.697	0.751	0.693	0.784	0.675	0.956	0.759	13.8	
Vinyl Chloride	0.698	0.732	0.669	0.731	0.670	0.769	0.711	5.6	
Bromomethane	0.428	0.472	0.446	0.498	0.490		0.467	6.3	
Chloroethane	0.430	0.458	0.430	0.459	0.435	0.867	0.513	33.8	
Trichlorofluoromethane	1.101	1.221	1.077	1.232	1.181	1.081	1.149	6.2	
1,1,2-Trichlorotrifluoroethane	0.628	0.621	0.581	0.650	0.603	0.614	0.616	3.8	
1,1-Dichloroethene	0.587	0.595	0.550	0.588	0.578	0.526	0.571	4.8	
Acetone	0.273	0.292	0.290	0.321	0.289	0.346	0.302	8.8	
Carbon Disulfide	1.801	1.824	1.716	1.919	1.854	2.572	1.948	16.1	
Methyl tert-butyl Ether	2.095	2.080	1.902	1.978	1.871	1.811	1.956	5.9	
Methyl Acetate	0.784	0.831	0.820	0.881	0.860	0.949	0.854	6.7	
Methylene Chloride	0.647	0.665	0.645	0.668	0.653	0.681	0.660	2.1	
trans-1,2-Dichloroethene	0.622	0.615	0.587	0.598	0.633	0.721	0.629	7.6	
1,1-Dichloroethane	1.225	1.237	1.202	1.271	1.200	1.193	1.221	2.4	
Cyclohexane	1.105	1.107	1.039	1.178	1.223		1.131	6.3	
2-Butanone	0.454	0.467	0.448	0.487	0.450	0.466	0.462	3.1	
Carbon Tetrachloride	0.629	0.595	0.550	0.587	0.571	0.620	0.592	5	
cis-1,2-Dichloroethene	0.749	0.745	0.680	0.757	0.679	0.786	0.733	5.9	
Bromochloromethane	0.601	0.615	0.584	0.630	0.584	0.681	0.616	5.9	
Chloroform	1.288	1.281	1.212	1.306	1.250	1.488	1.304	7.4	
1,1,1-Trichloroethane	1.184	1.180	1.123	1.182	1.095	1.211	1.162	3.8	
Methylcyclohexane	0.623	0.564	0.487	0.495	0.434	0.453	0.509	14	
Benzene	1.652	1.576	1.493	1.530	1.472	1.413	1.523	5.5	
1,2-Dichloroethane	0.620	0.592	0.548	0.614	0.567	0.539	0.580	5.9	
Trichloroethene	0.367	0.343	0.325	0.338	0.327	0.334	0.339	4.4	
1,2-Dichloropropane	0.406	0.392	0.355	0.373	0.370	0.365	0.377	5	
Bromodichloromethane	0.631	0.602	0.569	0.582	0.543	0.533	0.577	6.3	
4-Methyl-2-Pentanone	0.591	0.583	0.545	0.579	0.515	0.442	0.543	10.5	
Toluene	1.041	0.985	0.867	0.907	0.841	0.852	0.916	8.8	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02
 Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG No.: P5291
 Instrument ID: MSVOA_N Calibration Date(s): 12/18/2024 12/18/2024
 Heated Purge: (Y/N) N Calibration Time(s): 11:56 13:57
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN085245.D		RRF050 = VN085246.D		RRF020 = VN085247.D			
		RRF010 = VN085248.D		RRF005 = VN085249.D		RRF001 = VN085250.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
t-1,3-Dichloropropene	0.676	0.618	0.559	0.559	0.532	0.428	0.562	14.8	
cis-1,3-Dichloropropene	0.692	0.647	0.575	0.613	0.554	0.504	0.598	11.3	
1,1,2-Trichloroethane	0.375	0.352	0.340	0.350	0.328	0.312	0.343	6.3	
2-Hexanone	0.434	0.426	0.406	0.418	0.353	0.283	0.387	15.1	
Dibromochloromethane	0.459	0.435	0.397	0.410	0.387	0.350	0.406	9.4	
1,2-Dibromoethane	0.384	0.369	0.336	0.371	0.338	0.320	0.353	7.1	
Tetrachloroethene	0.352	0.341	0.319	0.348	0.341	0.319	0.336	4.3	
Chlorobenzene	1.201	1.139	1.070	1.109	1.098	1.127	1.124	4	
Ethyl Benzene	2.263	2.137	1.893	1.905	1.721	1.639	1.926	12.4	
m/p-Xylenes	0.841	0.807	0.731	0.704	0.642	0.598	0.721	13	
o-Xylene	0.816	0.761	0.673	0.703	0.578	0.533	0.677	15.9	
Styrene	1.414	1.306	1.166	1.085	0.947	0.866	1.131	18.5	
Bromoform	0.343	0.322	0.302	0.304	0.308	0.265	0.307	8.4	
Isopropylbenzene	4.181	3.980	3.636	3.835	3.331	2.678	3.607	15	
1,1,2,2-Tetrachloroethane	1.225	1.258	1.233	1.363	1.283	1.349	1.285	4.6	
1,3-Dichlorobenzene	1.825	1.768	1.634	1.822	1.616	1.799	1.744	5.4	
1,4-Dichlorobenzene	1.784	1.765	1.652	1.789	1.721	2.116	1.805	8.9	
1,2-Dichlorobenzene	1.702	1.708	1.598	1.686	1.539	1.499	1.622	5.5	
1,2-Dibromo-3-Chloropropane	0.254	0.267	0.247	0.289	0.251	0.171	0.246	16.3	
1,2,4-Trichlorobenzene	0.892	0.860	0.755	0.785	0.719	0.970	0.830	11.3	
1,2,3-Trichlorobenzene	0.848	0.840	0.754	0.827	0.753	0.954	0.829	8.9	
1,2-Dichloroethane-d4	0.837	0.816	0.811	1.033	0.872		0.874	10.6	
Dibromofluoromethane	0.358	0.339	0.331	0.397	0.332		0.352	7.9	
Toluene-d8	1.386	1.284	1.190	1.395	1.169		1.285	8.3	
4-Bromofluorobenzene	0.520	0.468	0.425	0.486	0.396		0.459	10.7	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N121824W.M
 Title : SW846 8260
 Last Update : Thu Dec 19 06:31:00 2024
 Response Via : Initial Calibration

Calibration Files

1 =VN085250.D 5 =VN085249.D 10 =VN085248.D 20 =VN085247.D 50 =VN085246.D 100 =VN085245.

D

Compound		1	5	10	20	50	100	Avg	%RSD

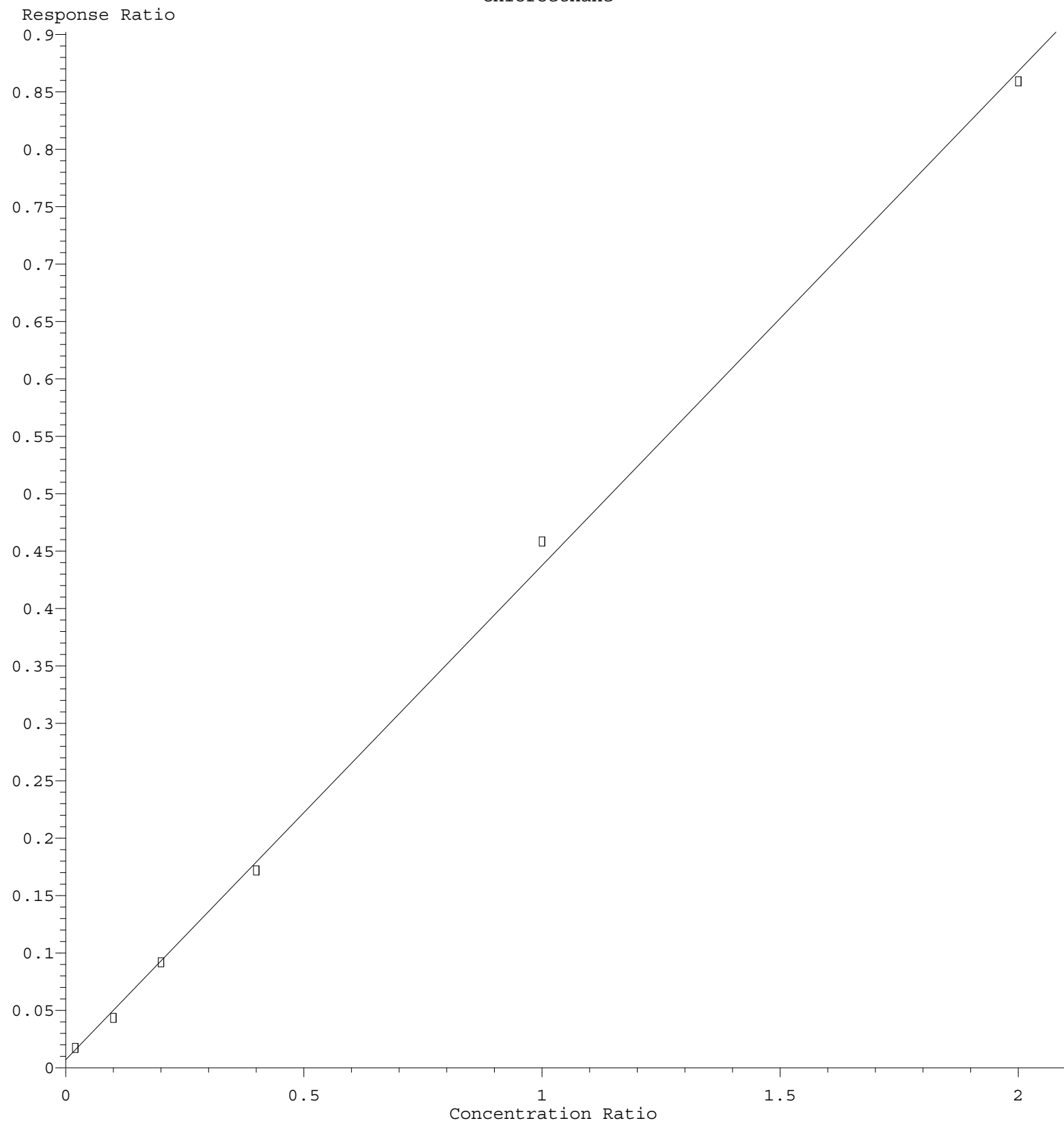
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.797	0.724	0.854	0.703	0.859	0.842	0.797	8.58
3) P	Chloromethane	0.956	0.675	0.784	0.693	0.751	0.697	0.759	13.78
4) C	Vinyl Chloride	0.769	0.670	0.731	0.669	0.732	0.698	0.711	5.55#
5) T	Bromomethane	0.490	0.498	0.446	0.472	0.428	0.467	0.467	6.34
6) T	Chloroethane	0.867	0.435	0.459	0.430	0.458	0.430	0.513	33.85
7) T	Trichlorofluor...	1.081	1.181	1.232	1.077	1.221	1.101	1.149	6.19
8) T	Diethyl Ether	0.307	0.343	0.394	0.354	0.388	0.378	0.361	9.09
9) T	1,1,2-Trichlor...	0.614	0.603	0.650	0.581	0.621	0.628	0.616	3.78
10) T	Methyl Iodide	0.649	0.724	0.667	0.737	0.735	0.702	0.702	5.91
11) T	Tert butyl alc...	0.134	0.125	0.121	0.116	0.110	0.121	0.121	7.60
12) CM	1,1-Dichloroet...	0.526	0.578	0.588	0.550	0.595	0.587	0.571	4.76#
13) T	Acrolein	0.154	0.149	0.127	0.134	0.135	0.140	0.140	8.08
14) T	Allyl chloride	1.003	0.975	0.958	0.960	1.007	1.028	0.988	2.89
15) T	Acrylonitrile	0.322	0.336	0.351	0.317	0.335	0.323	0.331	3.83
16) T	Acetone	0.346	0.289	0.321	0.290	0.292	0.273	0.302	8.82
17) T	Carbon Disulfide	2.572	1.854	1.919	1.716	1.824	1.801	1.948	16.08
18) T	Methyl Acetate	0.949	0.860	0.881	0.820	0.831	0.784	0.854	6.67
19) T	Methyl tert-bu...	1.811	1.871	1.978	1.902	2.080	2.095	1.956	5.89
20) T	Methylene Chlo...	0.681	0.653	0.668	0.645	0.665	0.647	0.660	2.11
21) T	trans-1,2-Dich...	0.721	0.633	0.598	0.587	0.615	0.622	0.629	7.61
22) T	Diisopropyl ether	1.651	2.037	2.271	2.096	2.291	2.304	2.108	11.85
23) T	Vinyl Acetate	1.377	1.479	1.650	1.648	1.788	1.832	1.629	10.74
24) P	1,1-Dichloroet...	1.193	1.200	1.271	1.202	1.237	1.225	1.221	2.42
25) T	2-Butanone	0.466	0.450	0.487	0.448	0.467	0.454	0.462	3.13
26) T	2,2-Dichloropr...	1.123	1.086	1.211	1.056	1.156	1.153	1.131	4.88
27) T	cis-1,2-Dichlo...	0.786	0.679	0.757	0.680	0.745	0.749	0.733	5.95
28) T	Bromochloromet...	0.681	0.584	0.630	0.584	0.615	0.601	0.616	5.93
29) T	Tetrahydrofuran	0.283	0.277	0.315	0.296	0.315	0.301	0.298	5.25
30) C	Chloroform	1.488	1.250	1.306	1.212	1.281	1.288	1.304	7.36#
31) T	Cyclohexane	1.223	1.178	1.039	1.107	1.105	1.131	1.131	6.30
32) T	1,1,1-Trichlor...	1.211	1.095	1.182	1.123	1.180	1.184	1.162	3.77
33) S	1,2-Dichloroet...	0.872	1.033	0.811	0.816	0.837	0.874	0.874	10.57

34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.332	0.397	0.331	0.339	0.358	0.352	0.352	7.89
36) T	1,1-Dichloropr...	0.450	0.427	0.505	0.478	0.521	0.556	0.489	9.73
37) T	Ethyl Acetate	0.538	0.593	0.589	0.529	0.568	0.571	0.565	4.65
38) T	Carbon Tetrach...	0.620	0.571	0.587	0.550	0.595	0.629	0.592	4.98
39) T	Methylcyclohexane	0.453	0.434	0.495	0.487	0.564	0.623	0.509	14.01
40) TM	Benzene	1.413	1.472	1.530	1.493	1.576	1.652	1.523	5.51
41) T	Methacrylonitrile	0.249	0.269	0.299	0.288	0.300	0.322	0.288	8.90
42) TM	1,2-Dichloroet...	0.539	0.567	0.614	0.548	0.592	0.620	0.580	5.86
43) T	Isopropyl Acetate	1.307	0.934	1.031	0.923	0.982	1.018	1.033	13.68
44) TM	Trichloroethene	0.334	0.327	0.338	0.325	0.343	0.367	0.339	4.41
45) C	1,2-Dichloropr...	0.365	0.370	0.373	0.355	0.392	0.406	0.377	4.96#
46) T	Dibromomethane	0.251	0.264	0.276	0.257	0.276	0.291	0.269	5.42
47) T	Bromodichlorom...	0.533	0.543	0.582	0.569	0.602	0.631	0.577	6.33
48) T	Methyl methacr...	0.367	0.380	0.427	0.420	0.460	0.486	0.423	10.77
49) T	1,4-Dioxane	0.005	0.006	0.008	0.007	0.007	0.007	0.007	15.97
50) S	Toluene-d8	1.169	1.395	1.190	1.284	1.386	1.285	1.285	8.26
51) T	4-Methyl-2-Pen...	0.442	0.515	0.579	0.545	0.583	0.591	0.543	10.52
52) CM	Toluene	0.852	0.841	0.907	0.867	0.985	1.041	0.916	8.81#
53) T	t-1,3-Dichloro...	0.428	0.532	0.559	0.559	0.618	0.676	0.562	14.85
54) T	cis-1,3-Dichlo...	0.504	0.554	0.613	0.575	0.647	0.692	0.598	11.26
55) T	1,1,2-Trichlor...	0.312	0.328	0.350	0.340	0.352	0.375	0.343	6.28

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\										
Method File : 82N121824W.M										
56)	T	Ethyl methacry...	0.380	0.456	0.539	0.530	0.634	0.674	0.535	20.39
57)	T	1,3-Dichloropr...	0.560	0.576	0.600	0.581	0.636	0.668	0.603	6.77
58)	T	2-Chloroethyl ...	0.152	0.200	0.221	0.234	0.292	0.325	0.237	26.45
59)	T	2-Hexanone	0.283	0.353	0.418	0.406	0.426	0.434	0.387	15.09
60)	T	Dibromochlorom...	0.350	0.387	0.410	0.397	0.435	0.459	0.406	9.40
61)	T	1,2-Dibromoethane	0.320	0.338	0.371	0.336	0.369	0.384	0.353	7.10
62)	S	4-Bromofluorob...	0.396	0.486	0.425	0.468	0.520	0.459		10.73
-----ISTD-----										
63)	I	Chlorobenzene-d5								
64)	T	Tetrachloroethene	0.319	0.341	0.348	0.319	0.341	0.352	0.336	4.25
65)	PM	Chlorobenzene	1.127	1.098	1.109	1.070	1.139	1.201	1.124	3.99
66)	T	1,1,1,2-Tetrac...	0.339	0.384	0.414	0.384	0.403	0.429	0.392	7.95
67)	C	Ethyl Benzene	1.639	1.721	1.905	1.893	2.137	2.263	1.926	12.37#
68)	T	m/p-Xylenes	0.598	0.642	0.704	0.731	0.807	0.841	0.721	12.96
69)	T	o-Xylene	0.533	0.578	0.703	0.673	0.761	0.816	0.677	15.86
70)	T	Styrene	0.866	0.947	1.085	1.166	1.306	1.414	1.131	18.49
71)	P	Bromoform	0.265	0.308	0.304	0.302	0.322	0.343	0.307	8.40
-----ISTD-----										
72)	I	1,4-Dichlorobenzen...								
73)	T	Isopropylbenzene	2.678	3.331	3.835	3.636	3.980	4.181	3.607	14.98
74)	T	N-amyl acetate	1.406	1.554	1.900	1.818	2.043	2.089	1.801	15.08
75)	P	1,1,2,2-Tetrac...	1.349	1.283	1.363	1.233	1.258	1.225	1.285	4.56
76)	T	1,2,3-Trichlor...	1.170	1.093	1.178	1.634	1.061	1.015	1.192	18.92
77)	T	Bromobenzene	1.070	0.893	0.955	0.869	0.940	0.955	0.947	7.35
78)	T	n-propylbenzene	3.784	3.730	4.544	4.457	4.892	5.134	4.424	12.91
79)	T	2-Chlorotoluene	2.486	2.611	2.975	2.739	3.007	3.032	2.809	8.20
80)	T	1,3,5-Trimethy...	2.259	2.496	3.207	3.113	3.448	3.528	3.008	17.20
81)	T	trans-1,4-Dich...	0.371	0.488	0.429	0.463	0.494	0.449		11.22
82)	T	4-Chlorotoluene	2.446	2.655	2.925	2.815	3.071	3.140	2.842	9.18
83)	T	tert-Butylbenzene	2.210	2.278	2.608	2.492	2.821	2.899	2.551	10.97
84)	T	1,2,4-Trimethy...	2.459	2.651	3.166	3.119	3.479	3.578	3.075	14.43
85)	T	sec-Butylbenzene	2.712	3.004	3.678	3.638	4.094	4.217	3.557	16.70
86)	T	p-Isopropyltol...	1.942	2.339	2.854	2.967	3.382	3.536	2.837	21.45
87)	T	1,3-Dichlorobe...	1.799	1.616	1.822	1.634	1.768	1.825	1.744	5.42
88)	T	1,4-Dichlorobe...	2.116	1.721	1.789	1.652	1.765	1.784	1.805	8.92
89)	T	n-Butylbenzene	2.330	2.101	2.510	2.562	2.975	3.217	2.616	15.78
90)	T	Hexachloroethane	0.677	0.588	0.692	0.608	0.669	0.687	0.653	6.80
91)	T	1,2-Dichlorobe...	1.499	1.539	1.686	1.598	1.708	1.702	1.622	5.54
92)	T	1,2-Dibromo-3-...	0.171	0.251	0.289	0.247	0.267	0.254	0.246	16.35
93)	T	1,2,4-Trichlor...	0.970	0.719	0.785	0.755	0.860	0.892	0.830	11.31
94)	T	Hexachlorobuta...	0.541	0.461	0.414	0.385	0.389	0.399	0.432	14.01
95)	T	Naphthalene	3.182	2.259	2.619	2.558	2.910	2.969	2.750	12.12
96)	T	1,2,3-Trichlor...	0.954	0.753	0.827	0.754	0.840	0.848	0.829	8.93

(#) = Out of Range

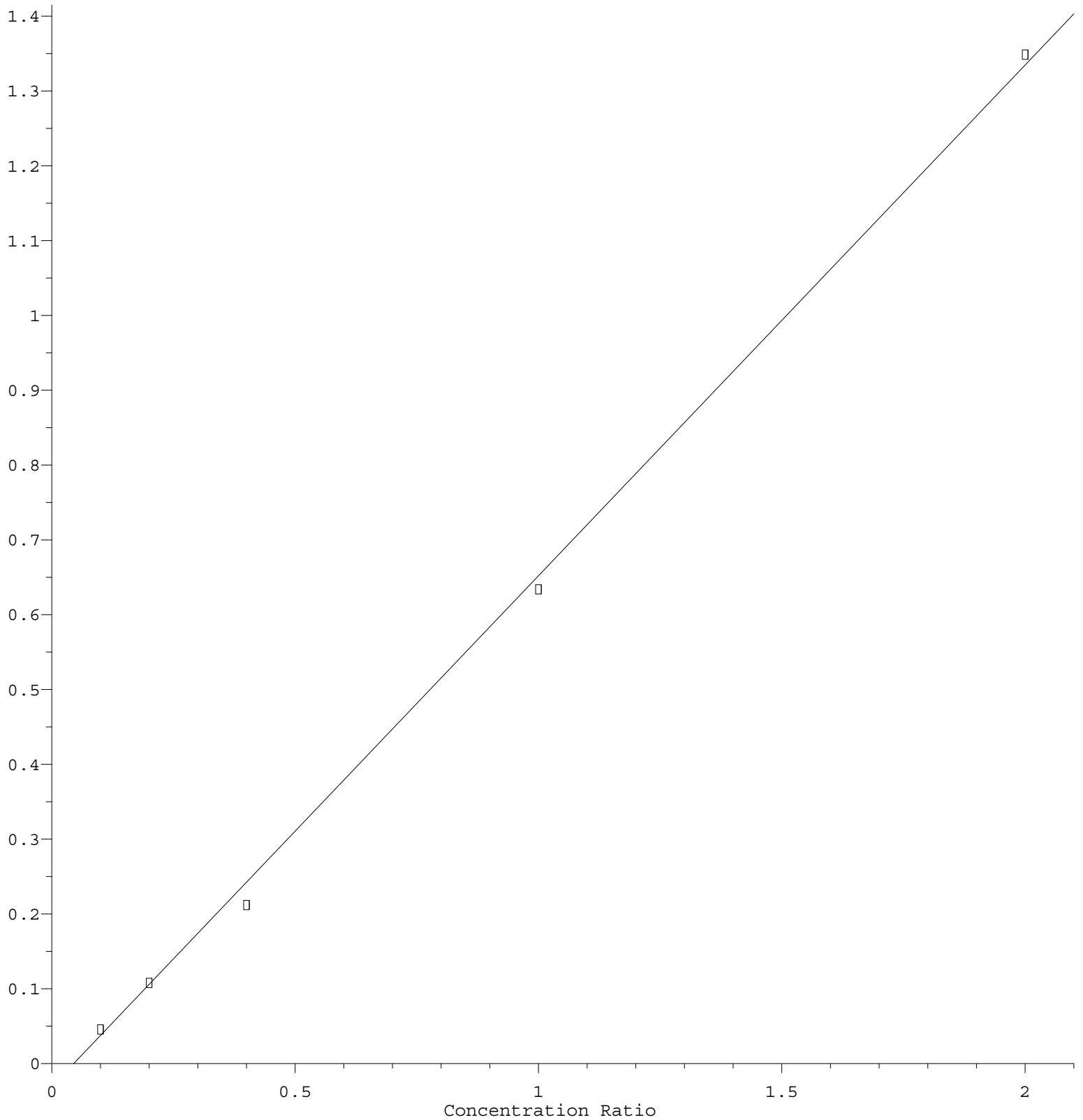
Chloroethane



Response = $4.306 \times 10^{-1} \times \text{Amt} + 6.741 \times 10^{-3}$
Coef of Det (r^2) = 0.998857 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N121824W.M
Calibration Table Last Updated: Thu Dec 19 06:31:00 2024

Ethyl methacrylate

Response Ratio



$$\text{Response} = 6.824\text{e-}001 * \text{Amt} - 3.052\text{e-}002$$

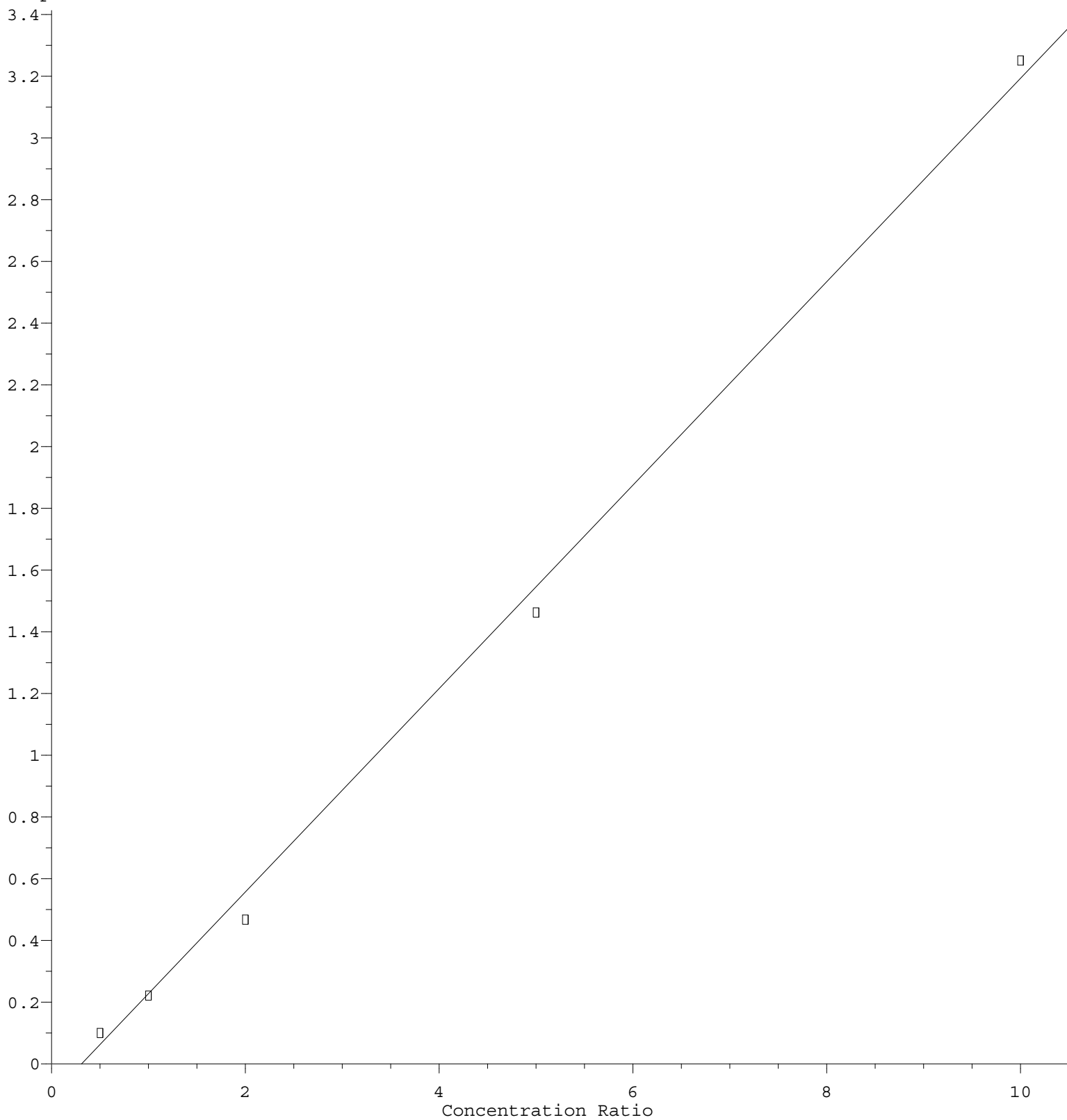
Coef of Det (r^2) = 0.998432 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N121824W.M

Calibration Table Last Updated: Thu Dec 19 06:31:00 2024

2-Chloroethyl Vinyl ether

Response Ratio



$$\text{Response} = 3.296\text{e-}001 * \text{Amt} - 1.021\text{e-}001$$

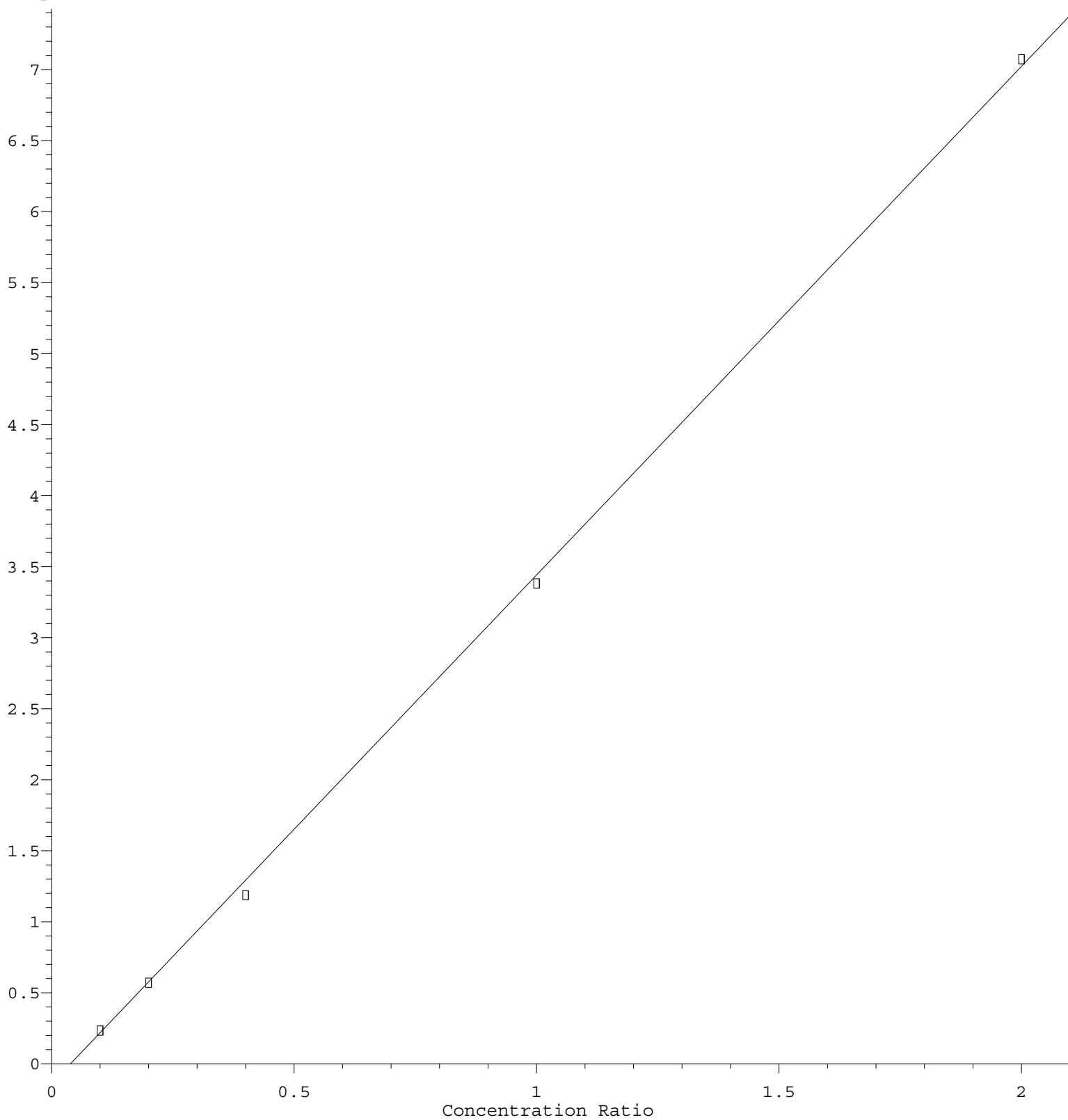
Coef of Det (r^2) = 0.996612 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N121824W.M

Calibration Table Last Updated: Thu Dec 19 06:31:00 2024

p-Isopropyltoluene

Response Ratio



$$\text{Response} = 3.581\text{e}+000 * \text{Amt} - 1.394\text{e}-001$$

Coef of Det (r^2) = 0.999224 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N121824W.M

Calibration Table Last Updated: Thu Dec 19 06:31:00 2024

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085245.D
 Acq On : 18 Dec 2024 11:56
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:17:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 05:12:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	132793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	218841	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	197737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100501	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	222397	95.819	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	191.640%#
35) Dibromofluoromethane	8.165	113	156776	101.898	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	203.800%#
50) Toluene-d8	10.565	98	606787	107.904	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	215.800%#
62) 4-Bromofluorobenzene	12.847	95	227599	113.316	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	226.640%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.124	85	223683	105.738	ug/l	95
3) Chloromethane	2.359	50	185155	91.824	ug/l	96
4) Vinyl Chloride	2.512	62	185482	98.177	ug/l	98
5) Bromomethane	2.936	94	113603	91.664	ug/l	95
6) Chloroethane	3.106	64	114090	98.985	ug/l	100
7) Trichlorofluoromethane	3.489	101	292297	95.808	ug/l	98
8) Diethyl Ether	3.953	74	100508	104.885	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	166774	101.922	ug/l	97
10) Methyl Iodide	4.583	142	195301	104.680	ug/l	99
11) Tert butyl alcohol	5.524	59	146115	453.197	ug/l	99
12) 1,1-Dichloroethene	4.336	96	155868	102.836	ug/l	96
13) Acrolein	4.177	56	179663	483.889	ug/l	97
14) Allyl chloride	5.018	41	273080	103.792	ug/l	98
15) Acrylonitrile	5.712	53	429271	488.837	ug/l	99
16) Acetone	4.424	43	362573	452.555	ug/l	95
17) Carbon Disulfide	4.706	76	478256	92.463	ug/l	98
18) Methyl Acetate	5.018	43	208325	91.848	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	556328	107.088	ug/l	100
20) Methylene Chloride	5.271	84	171870	98.070	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	165308	98.924	ug/l	97
22) Diisopropyl ether	6.671	45	611946	109.283	ug/l	99
23) Vinyl Acetate	6.600	43	2433128	562.326	ug/l	100
24) 1,1-Dichloroethane	6.559	63	325296	100.286	ug/l	98
25) 2-Butanone	7.477	43	603062	491.528	ug/l	99
26) 2,2-Dichloropropane	7.489	77	306120	101.918	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	198818	102.187	ug/l	97
28) Bromochloromethane	7.806	49	159647	97.592	ug/l	100
29) Tetrahydrofuran	7.836	42	399494	505.120	ug/l	99
30) Chloroform	7.965	83	342072	98.751	ug/l	99
31) Cyclohexane	8.253	56	293535	97.753	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	314505	101.867	ug/l	98
36) 1,1-Dichloropropene	8.371	75	243421	113.623	ug/l	100
37) Ethyl Acetate	7.559	43	250127	101.201	ug/l	100
38) Carbon Tetrachloride	8.359	117	275109	106.208	ug/l	97
39) Methylcyclohexane	9.600	83	272682	122.315	ug/l	96
40) Benzene	8.600	78	723096	108.494	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085245.D
 Acq On : 18 Dec 2024 11:56
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 19 05:17:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 05:12:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	140799	111.781	ug/l	98
42) 1,2-Dichloroethane	8.671	62	271246	106.846	ug/l	100
43) Isopropyl Acetate	8.683	43	445560	98.577	ug/l	99
44) Trichloroethene	9.347	130	160437	108.123	ug/l	100
45) 1,2-Dichloropropane	9.618	63	177783	107.734	ug/l	95
46) Dibromomethane	9.706	93	127276	108.042	ug/l	99
47) Bromodichloromethane	9.888	83	276180	109.425	ug/l	99
48) Methyl methacrylate	9.677	41	212686	114.790	ug/l	99
49) 1,4-Dioxane	9.694	88	60135	2058.510	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	1293909	544.828	ug/l	99
52) Toluene	10.630	92	455835	113.746	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	295735	120.209	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	302770	115.753	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	163965	109.268	ug/l	98
56) Ethyl methacrylate	10.871	69	295118	101.047	ug/l	99
57) 1,3-Dichloropropane	11.159	76	292297	110.674	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	711429	508.718	ug/l	100
59) 2-Hexanone	11.194	43	950121	561.236	ug/l	100
60) Dibromochloromethane	11.359	129	200867	112.947	ug/l	99
61) 1,2-Dibromoethane	11.471	107	168121	108.774	ug/l	98
64) Tetrachloroethene	11.106	164	139187	104.604	ug/l	98
65) Chlorobenzene	11.888	112	475067	106.880	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	169624	109.383	ug/l	97
67) Ethyl Benzene	11.959	91	894979	117.473	ug/l	100
68) m/p-Xylenes	12.071	106	665022	233.390	ug/l	99
69) o-Xylene	12.394	106	322554	120.433	ug/l	99
70) Styrene	12.412	104	559256	125.079	ug/l	99
71) Bromoform	12.576	173	135696	111.633	ug/l #	98
73) Isopropylbenzene	12.694	105	840297	115.905	ug/l	99
74) N-amyl acetate	12.494	43	419855	115.949	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	246135	95.286	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	204020m	93.049	ug/l	
77) Bromobenzene	12.976	156	192007	100.869	ug/l	100
78) n-propylbenzene	13.035	91	1031914	116.058	ug/l	100
79) 2-Chlorotoluene	13.123	91	609507	107.968	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	709159	117.272	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	99248	110.007	ug/l	96
82) 4-Chlorotoluene	13.218	91	631208	110.493	ug/l	99
83) tert-Butylbenzene	13.435	119	582784	113.640	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	719106	116.337	ug/l	100
85) sec-Butylbenzene	13.612	105	847632	118.555	ug/l	99
86) p-Isopropyltoluene	13.729	119	710842	100.694	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	366762	104.626	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	358619	98.872	ug/l	99
89) n-Butylbenzene	14.053	91	646693	122.994	ug/l	98
90) Hexachloroethane	14.329	117	138100	105.146	ug/l	99
91) 1,2-Dichlorobenzene	14.100	146	342103	104.926	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	51018	102.989	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	179196	107.368	ug/l	98
94) Hexachlorobutadiene	15.500	225	80258	92.524	ug/l	94
95) Naphthalene	15.635	128	596784	107.976	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	170435	102.240	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085245.D
Acq On : 18 Dec 2024 11:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:17:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 05:12:29 2024
Response via : Initial Calibration

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

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

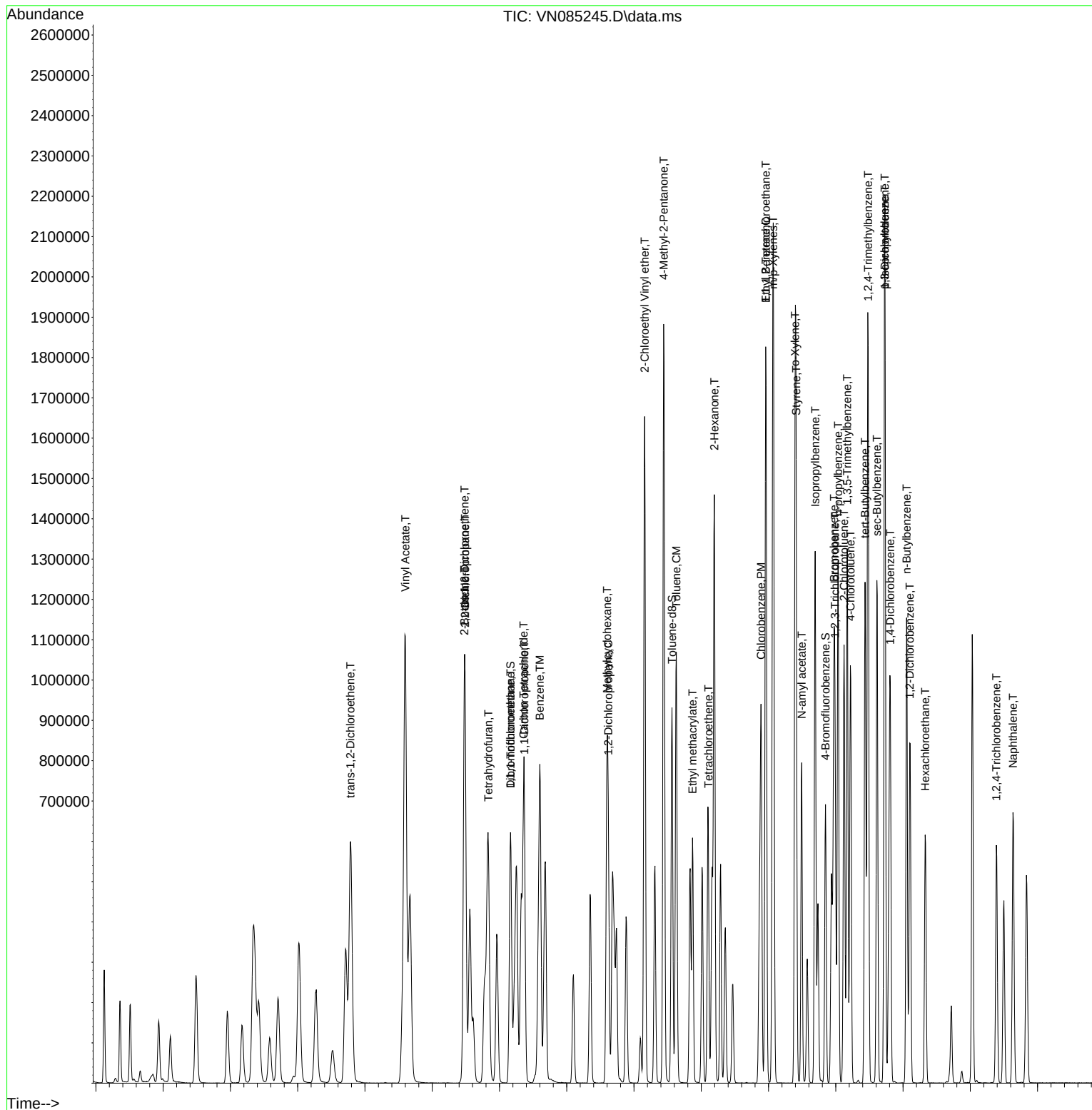
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085245.D
Acq On : 18 Dec 2024 11:56
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/20/2024
Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:17:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 05:12:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085246.D
 Acq On : 18 Dec 2024 12:20
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:17:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 05:12:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	130776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	226121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	202175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	98582	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	106671	46.668	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.340%
35) Dibromofluoromethane	8.165	113	76633	48.205	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.400%
50) Toluene-d8	10.565	98	290413	49.981	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.960%
62) 4-Bromofluorobenzene	12.847	95	105807	50.983	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.960%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	112357	53.932	ug/l	100
3) Chloromethane	2.359	50	98202	49.453	ug/l	100
4) Vinyl Chloride	2.512	62	95687	51.429	ug/l	100
5) Bromomethane	2.948	94	61747	50.591	ug/l	100
6) Chloroethane	3.112	64	59950	52.450	ug/l	100
7) Trichlorofluoromethane	3.495	101	159703	53.154	ug/l	100
8) Diethyl Ether	3.953	74	50744	53.771	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	81240	50.415	ug/l	100
10) Methyl Iodide	4.589	142	96420	52.478	ug/l	100
11) Tert butyl alcohol	5.518	59	75947	239.194	ug/l	100
12) 1,1-Dichloroethene	4.336	96	77860	52.162	ug/l	100
13) Acrolein	4.177	56	87320	238.807	ug/l	100
14) Allyl chloride	5.018	41	131650	50.809	ug/l	100
15) Acrylonitrile	5.712	53	219108	253.360	ug/l	100
16) Acetone	4.424	43	190678	241.671	ug/l	100
17) Carbon Disulfide	4.712	76	238489	46.819	ug/l	100
18) Methyl Acetate	5.018	43	108674	48.652	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	272038	53.173	ug/l	100
20) Methylene Chloride	5.277	84	86992	50.403	ug/l	100
21) trans-1,2-Dichloroethene	5.777	96	80363	48.833	ug/l	100
22) Diisopropyl ether	6.671	45	299652	54.338	ug/l	100
23) Vinyl Acetate	6.600	43	1169229	274.391	ug/l	100
24) 1,1-Dichloroethane	6.565	63	161717	50.625	ug/l	100
25) 2-Butanone	7.483	43	305214	252.603	ug/l	100
26) 2,2-Dichloropropane	7.489	77	151231	51.127	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	97457	50.863	ug/l	100
28) Bromochloromethane	7.812	49	80429	49.924	ug/l	100
29) Tetrahydrofuran	7.836	42	206011	264.498	ug/l	100
30) Chloroform	7.965	83	167564	49.119	ug/l	100
31) Cyclohexane	8.253	56	144815	48.970	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	154270	50.738	ug/l	100
36) 1,1-Dichloropropene	8.365	75	117851	53.239	ug/l	100
37) Ethyl Acetate	7.559	43	128415	50.284	ug/l	100
38) Carbon Tetrachloride	8.359	117	134463	50.239	ug/l	100
39) Methylcyclohexane	9.600	83	127487	55.345	ug/l	100
40) Benzene	8.600	78	356428	51.757	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085246.D
 Acq On : 18 Dec 2024 12:20
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:17:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 05:12:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	67891	52.164	ug/l	100
42) 1,2-Dichloroethane	8.665	62	133901	51.047	ug/l	100
43) Isopropyl Acetate	8.683	43	222131	47.563	ug/l	100
44) Trichloroethene	9.347	130	77472	50.530	ug/l	100
45) 1,2-Dichloropropane	9.618	63	88662	51.998	ug/l	100
46) Dibromomethane	9.706	93	62433	51.292	ug/l	100
47) Bromodichloromethane	9.888	83	136033	52.162	ug/l	100
48) Methyl methacrylate	9.677	41	104091	54.371	ug/l	100
49) 1,4-Dioxane	9.688	88	32375	1072.564	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	659177	268.625	ug/l	100
52) Toluene	10.630	92	222639	53.767	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	139692	54.953	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	146338	54.146	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	79593	51.334	ug/l	100
56) Ethyl methacrylate	10.871	69	143324	48.679	ug/l	100
57) 1,3-Dichloropropane	11.159	76	143772	52.685	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	330686	237.370	ug/l	100
59) 2-Hexanone	11.194	43	481438	275.229	ug/l	100
60) Dibromochloromethane	11.359	129	98456	53.579	ug/l	100
61) 1,2-Dibromoethane	11.465	107	83433	52.243	ug/l	100
64) Tetrachloroethene	11.100	164	68884	50.633	ug/l	100
65) Chlorobenzene	11.888	112	230185	50.650	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	81411	51.346	ug/l	100
67) Ethyl Benzene	11.959	91	432126	55.475	ug/l	100
68) m/p-Xylenes	12.071	106	326353	112.019	ug/l	100
69) o-Xylene	12.394	106	153932	56.212	ug/l	100
70) Styrene	12.412	104	264043	57.757	ug/l	100
71) Bromoform	12.576	173	65175	52.440	ug/l #	100
73) Isopropylbenzene	12.694	105	392326	55.168	ug/l	100
74) N-amyl acetate	12.494	43	201427	56.710	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	124004	48.940	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	104619m	48.643	ug/l	
77) Bromobenzene	12.976	156	92703	49.649	ug/l	100
78) n-propylbenzene	13.035	91	482260	55.295	ug/l	100
79) 2-Chlorotoluene	13.123	91	296469	53.539	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	339950	57.311	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	45606	51.534	ug/l	100
82) 4-Chlorotoluene	13.218	91	302755	54.029	ug/l	100
83) tert-Butylbenzene	13.435	119	278102	55.284	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	342945	56.562	ug/l	100
85) sec-Butylbenzene	13.612	105	403570	57.544	ug/l	100
86) p-Isopropyltoluene	13.729	119	333452	49.170	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	174288	50.687	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	173955	48.893	ug/l	100
89) n-Butylbenzene	14.053	91	293263	56.861	ug/l	100
90) Hexachloroethane	14.335	117	65949	51.190	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	168371	52.646	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26335	54.197	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	84825	51.814	ug/l	100
94) Hexachlorobutadiene	15.494	225	38359	45.082	ug/l	100
95) Naphthalene	15.641	128	286912	52.921	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	82767	50.616	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085246.D
Acq On : 18 Dec 2024 12:20
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:17:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 05:12:29 2024
Response via : Initial Calibration

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

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

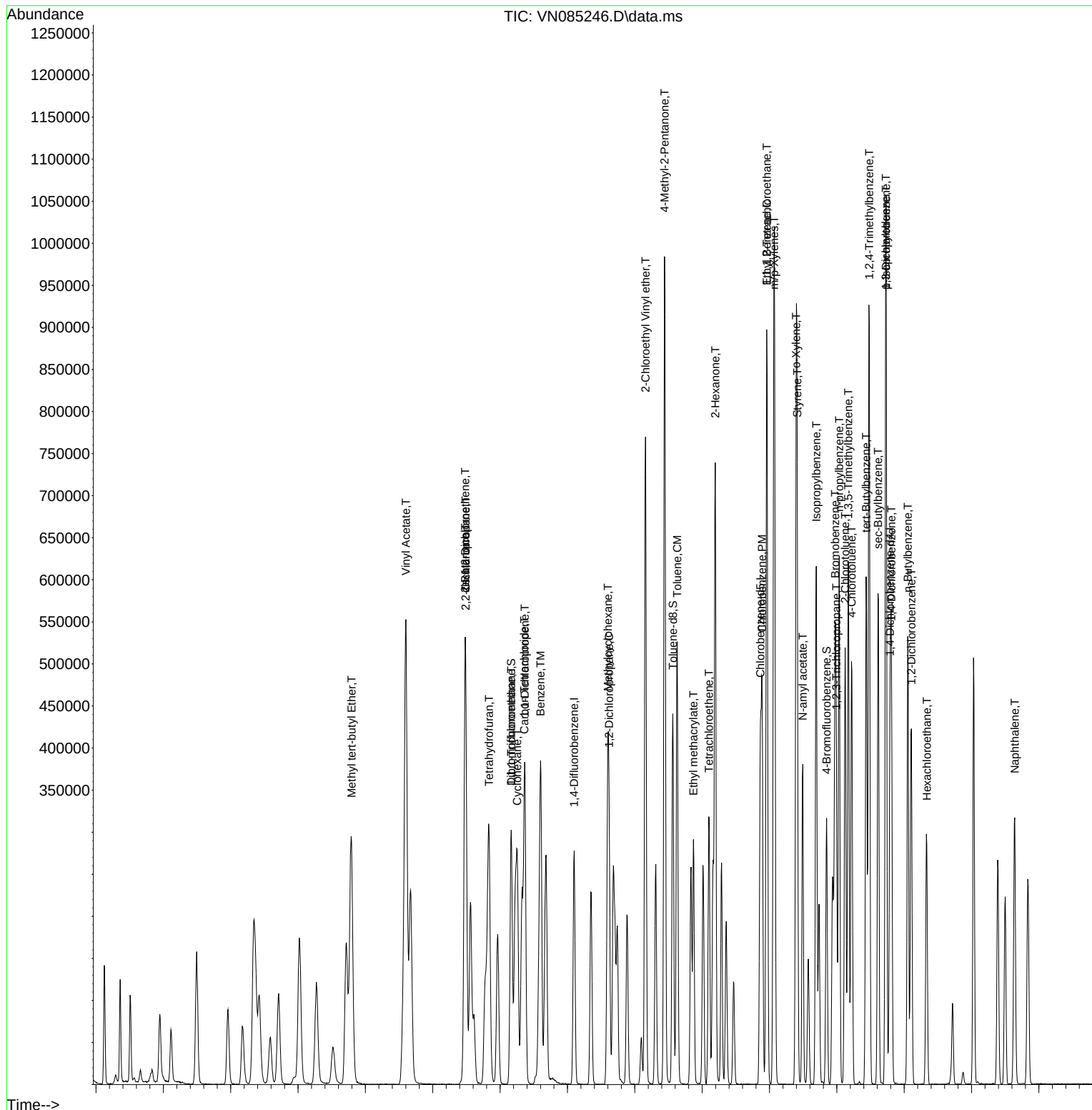
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Data File : VN085246.D
Acq On : 18 Dec 2024 12:20
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Quant Time: Dec 19 05:17:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 05:12:29 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/20/2024
Supervised By : Mahesh Dadoda 12/20/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085247.D
 Acq On : 18 Dec 2024 12:44
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 19 05:18:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 05:12:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	130848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	230166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	203234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	97814	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	42467	18.569	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	37.140%#
35) Dibromofluoromethane	8.165	113	30464	18.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	37.660%#
50) Toluene-d8	10.565	98	109520	18.517	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	37.040%#
62) 4-Bromofluorobenzene	12.847	95	39138	18.527	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	37.060%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	36793	17.651	ug/l	93
3) Chloromethane	2.359	50	36255	18.247	ug/l	99
4) Vinyl Chloride	2.507	62	35012	18.808	ug/l	95
5) Bromomethane	2.936	94	23319	19.095	ug/l	93
6) Chloroethane	3.118	64	22491	19.177	ug/l	95
7) Trichlorofluoromethane	3.495	101	56384	18.756	ug/l	100
8) Diethyl Ether	3.959	74	18535	19.630	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	30387	18.847	ug/l	98
10) Methyl Iodide	4.583	142	34886	18.977	ug/l	97
11) Tert butyl alcohol	5.518	59	31707	99.806	ug/l	98
12) 1,1-Dichloroethene	4.336	96	28796	19.281	ug/l	94
13) Acrolein	4.183	56	33238	90.851	ug/l	96
14) Allyl chloride	5.024	41	50227	19.374	ug/l	93
15) Acrylonitrile	5.712	53	82870	95.772	ug/l	97
16) Acetone	4.424	43	75866	96.102	ug/l	98
17) Carbon Disulfide	4.712	76	89817	17.623	ug/l	99
18) Methyl Acetate	5.024	43	42905	19.198	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	99531	19.444	ug/l	97
20) Methylene Chloride	5.271	84	33765	19.553	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	30715	18.654	ug/l	92
22) Diisopropyl ether	6.671	45	109701	19.882	ug/l	98
23) Vinyl Acetate	6.600	43	431157	101.127	ug/l	97
24) 1,1-Dichloroethane	6.559	63	62918	19.685	ug/l	96
25) 2-Butanone	7.483	43	117321	97.044	ug/l	98
26) 2,2-Dichloropropane	7.489	77	55260	18.671	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	35581	18.560	ug/l	95
28) Bromochloromethane	7.812	49	30562	18.960	ug/l	99
29) Tetrahydrofuran	7.836	42	77380	99.294	ug/l	99
30) Chloroform	7.965	83	63439	18.586	ug/l	97
31) Cyclohexane	8.253	56	54406	18.388	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	58796	19.327	ug/l	95
36) 1,1-Dichloropropene	8.371	75	44017	19.535	ug/l	98
37) Ethyl Acetate	7.553	43	48687	18.729	ug/l	98
38) Carbon Tetrachloride	8.359	117	50634	18.586	ug/l	96
39) Methylcyclohexane	9.600	83	44865	19.134	ug/l	94
40) Benzene	8.600	78	137494	19.615	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085247.D
 Acq On : 18 Dec 2024 12:44
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 19 05:18:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 05:12:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26500	20.003	ug/l	94
42) 1,2-Dichloroethane	8.671	62	50473	18.903	ug/l	99
43) Isopropyl Acetate	8.688	43	85017	17.884	ug/l	99
44) Trichloroethene	9.347	130	29954	19.194	ug/l	95
45) 1,2-Dichloropropane	9.618	63	32728	18.857	ug/l	96
46) Dibromomethane	9.706	93	23677	19.110	ug/l	98
47) Bromodichloromethane	9.883	83	52414	19.745	ug/l	92
48) Methyl methacrylate	9.677	41	38703	19.861	ug/l	100
49) 1,4-Dioxane	9.694	88	12769	415.595	ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	250961	100.473	ug/l	99
52) Toluene	10.630	92	79828	18.940	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	51490	19.900	ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	52973	19.256	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	31277	19.818	ug/l	99
56) Ethyl methacrylate	10.871	69	48783	17.766	ug/l	96
57) 1,3-Dichloropropane	11.159	76	53527	19.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	107576	86.401	ug/l	99
59) 2-Hexanone	11.194	43	187121	105.094	ug/l	97
60) Dibromochloromethane	11.359	129	36581	19.557	ug/l	99
61) 1,2-Dibromoethane	11.465	107	30969	19.051	ug/l	99
64) Tetrachloroethene	11.100	164	25942	18.969	ug/l	96
65) Chlorobenzene	11.888	112	86945	19.032	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	31216	19.585	ug/l	98
67) Ethyl Benzene	11.965	91	153907	19.655	ug/l	99
68) m/p-Xylenes	12.071	106	118927	40.609	ug/l	99
69) o-Xylene	12.400	106	54751	19.890	ug/l	97
70) Styrene	12.412	104	94774	20.623	ug/l	98
71) Bromoform	12.576	173	24556	19.655	ug/l #	96
73) Isopropylbenzene	12.694	105	142250	20.160	ug/l	100
74) N-ethyl acetate	12.494	43	71120	20.180	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	48258	19.195	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	63927	29.957	ug/l	49
77) Bromobenzene	12.982	156	34019	18.363	ug/l	97
78) n-propylbenzene	13.035	91	174396	20.153	ug/l	99
79) 2-Chlorotoluene	13.123	91	107177	19.507	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	121797	20.695	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	16783	19.113	ug/l	96
82) 4-Chlorotoluene	13.218	91	110140	19.810	ug/l	99
83) tert-Butylbenzene	13.435	119	97483	19.531	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	122033	20.285	ug/l	100
85) sec-Butylbenzene	13.618	105	142338	20.455	ug/l	100
86) p-Isopropyltoluene	13.729	119	116092	18.517	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	63937	18.740	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	64631	18.308	ug/l	99
89) n-Butylbenzene	14.053	91	100250	19.590	ug/l	98
90) Hexachloroethane	14.329	117	23775	18.599	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	62512	19.700	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	9658	20.032	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	29546	18.189	ug/l	96
94) Hexachlorobutadiene	15.500	225	15050	17.827	ug/l	97
95) Naphthalene	15.641	128	100101	18.609	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	29506	18.186	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085247.D
Acq On : 18 Dec 2024 12:44
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Dec 19 05:18:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 05:12:29 2024
Response via : Initial Calibration

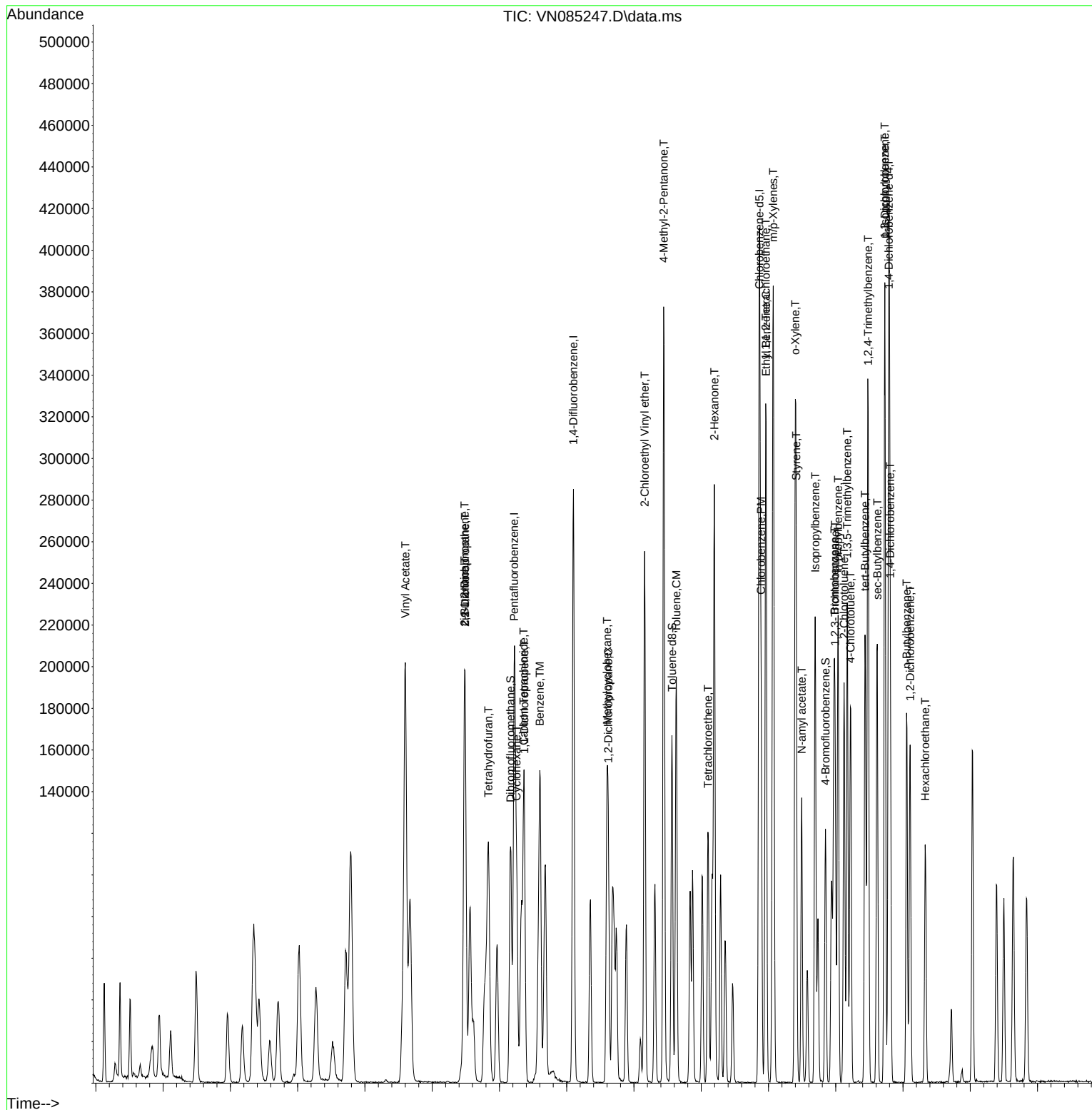
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\  
Data File : VN085247.D  
Acq On    : 18 Dec 2024   12:44  
Operator  : JC\MD  
Sample    : VSTDICC020  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 5      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Quant Time: Dec 19 05:18:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 05:12:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085248.D
 Acq On : 18 Dec 2024 13:08
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Dec 19 05:19:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 05:12:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	117786	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	207413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	181577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	80359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	24346	11.826	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	23.660%#		
35) Dibromofluoromethane	8.165	113	16477	11.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	22.600%#		
50) Toluene-d8	10.565	98	57873	10.858	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	21.720%#		
62) 4-Bromofluorobenzene	12.847	95	20157	10.589	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	21.180%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	20121	10.723	ug/l	98
3) Chloromethane	2.359	50	18468	10.326	ug/l	95
4) Vinyl Chloride	2.512	62	17209	10.269	ug/l	95
5) Bromomethane	2.959	94	11730	10.671	ug/l	91
6) Chloroethane	3.124	64	10824	9.888	ug/l	90
7) Trichlorofluoromethane	3.495	101	29016	10.722	ug/l	95
8) Diethyl Ether	3.959	74	9280	10.918	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	15303	10.544	ug/l	98
10) Methyl Iodide	4.594	142	17056	10.307	ug/l	99
11) Tert butyl alcohol	5.524	59	14752	51.585	ug/l	98
12) 1,1-Dichloroethene	4.342	96	13848	10.301	ug/l	93
13) Acrolein	4.183	56	17587	53.402	ug/l	97
14) Allyl chloride	5.024	41	22563m	9.668	ug/l	
15) Acrylonitrile	5.718	53	41388	53.136	ug/l	96
16) Acetone	4.430	43	37764	53.142	ug/l	97
17) Carbon Disulfide	4.712	76	45201	9.852	ug/l	98
18) Methyl Acetate	5.024	43	20752	10.315	ug/l #	74
19) Methyl tert-butyl Ether	5.800	73	46591	10.111	ug/l	99
20) Methylene Chloride	5.271	84	15729	10.119	ug/l	89
21) trans-1,2-Dichloroethene	5.794	96	14076	9.497	ug/l	98
22) Diisopropyl ether	6.671	45	53490	10.769	ug/l #	95
23) Vinyl Acetate	6.606	43	194389	50.650	ug/l	98
24) 1,1-Dichloroethane	6.565	63	29952	10.410	ug/l	97
25) 2-Butanone	7.483	43	57348	52.697	ug/l	99
26) 2,2-Dichloropropane	7.483	77	28531	10.709	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	17823	10.328	ug/l	99
28) Bromochloromethane	7.812	49	14843	10.230	ug/l #	99
29) Tetrahydrofuran	7.841	42	37051	52.816	ug/l	98
30) Chloroform	7.959	83	30771	10.015	ug/l	98
31) Cyclohexane	8.253	56	27749	10.418	ug/l	87
32) 1,1,1-Trichloroethane	8.159	97	27840	10.166	ug/l	93
36) 1,1-Dichloropropene	8.371	75	20950	10.318	ug/l	99
37) Ethyl Acetate	7.559	43	24425	10.427	ug/l	95
38) Carbon Tetrachloride	8.365	117	24341	9.915	ug/l	94
39) Methylcyclohexane	9.600	83	20554	9.728	ug/l	98
40) Benzene	8.606	78	63473	10.048	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085248.D
 Acq On : 18 Dec 2024 13:08
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:19:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 05:12:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	12395	10.383	ug/l	97
42) 1,2-Dichloroethane	8.671	62	25475	10.588	ug/l	99
43) Isopropyl Acetate	8.688	43	42779	9.986	ug/l	97
44) Trichloroethene	9.347	130	14020	9.969	ug/l	98
45) 1,2-Dichloropropane	9.624	63	15480	9.897	ug/l	94
46) Dibromomethane	9.706	93	11455	10.260	ug/l	95
47) Bromodichloromethane	9.888	83	24133	10.088	ug/l	99
48) Methyl methacrylate	9.677	41	17700	10.079	ug/l	98
49) 1,4-Dioxane	9.694	88	6576	237.509	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	120183	53.394	ug/l	98
52) Toluene	10.624	92	37618	9.904	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	23203	9.951	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	25423	10.255	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	14536	10.221	ug/l	97
56) Ethyl methacrylate	10.871	69	22363	10.136	ug/l	97
57) 1,3-Dichloropropane	11.165	76	24872	9.936	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.159	63	45895	49.061	ug/l	98
59) 2-Hexanone	11.194	43	86680	54.023	ug/l	97
60) Dibromochloromethane	11.359	129	16999	10.085	ug/l	97
61) 1,2-Dibromoethane	11.465	107	15403	10.515	ug/l	97
64) Tetrachloroethene	11.100	164	12623	10.331	ug/l	94
65) Chlorobenzene	11.888	112	40267	9.865	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	15029	10.554	ug/l	98
67) Ethyl Benzene	11.965	91	69173	9.888	ug/l	98
68) m/p-Xylenes	12.070	106	51109	19.533	ug/l	97
69) o-Xylene	12.400	106	25515	10.374	ug/l	96
70) Styrene	12.412	104	39408	9.598	ug/l	98
71) Bromoform	12.576	173	11037	9.888	ug/l #	96
73) Isopropylbenzene	12.694	105	61642	10.634	ug/l	100
74) N-amyl acetate	12.488	43	30530	10.545	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	21900	10.603	ug/l	95
76) 1,2,3-Trichloropropane	12.988	75	18928m	10.796	ug/l	
77) Bromobenzene	12.982	156	15342	10.080	ug/l	94
78) n-propylbenzene	13.035	91	73038	10.273	ug/l	99
79) 2-Chlorotoluene	13.123	91	47815	10.593	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	51541	10.660	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	7838	10.865	ug/l	98
82) 4-Chlorotoluene	13.217	91	47005	10.291	ug/l	98
83) tert-Butylbenzene	13.435	119	41913	10.221	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	50877	10.294	ug/l	99
85) sec-Butylbenzene	13.617	105	59105	10.339	ug/l	99
86) p-Isopropyltoluene	13.729	119	45874	9.917	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	29285	10.448	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	28760	9.917	ug/l	98
89) n-Butylbenzene	14.053	91	40341	9.596	ug/l	99
90) Hexachloroethane	14.329	117	11123	10.592	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	27102	10.396	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	4652	11.745	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	12623	9.459	ug/l	95
94) Hexachlorobutadiene	15.500	225	6652	9.591	ug/l	93
95) Naphthalene	15.641	128	42098	9.526	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	13297	9.976	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085248.D
Acq On : 18 Dec 2024 13:08
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:19:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 05:12:29 2024
Response via : Initial Calibration

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

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

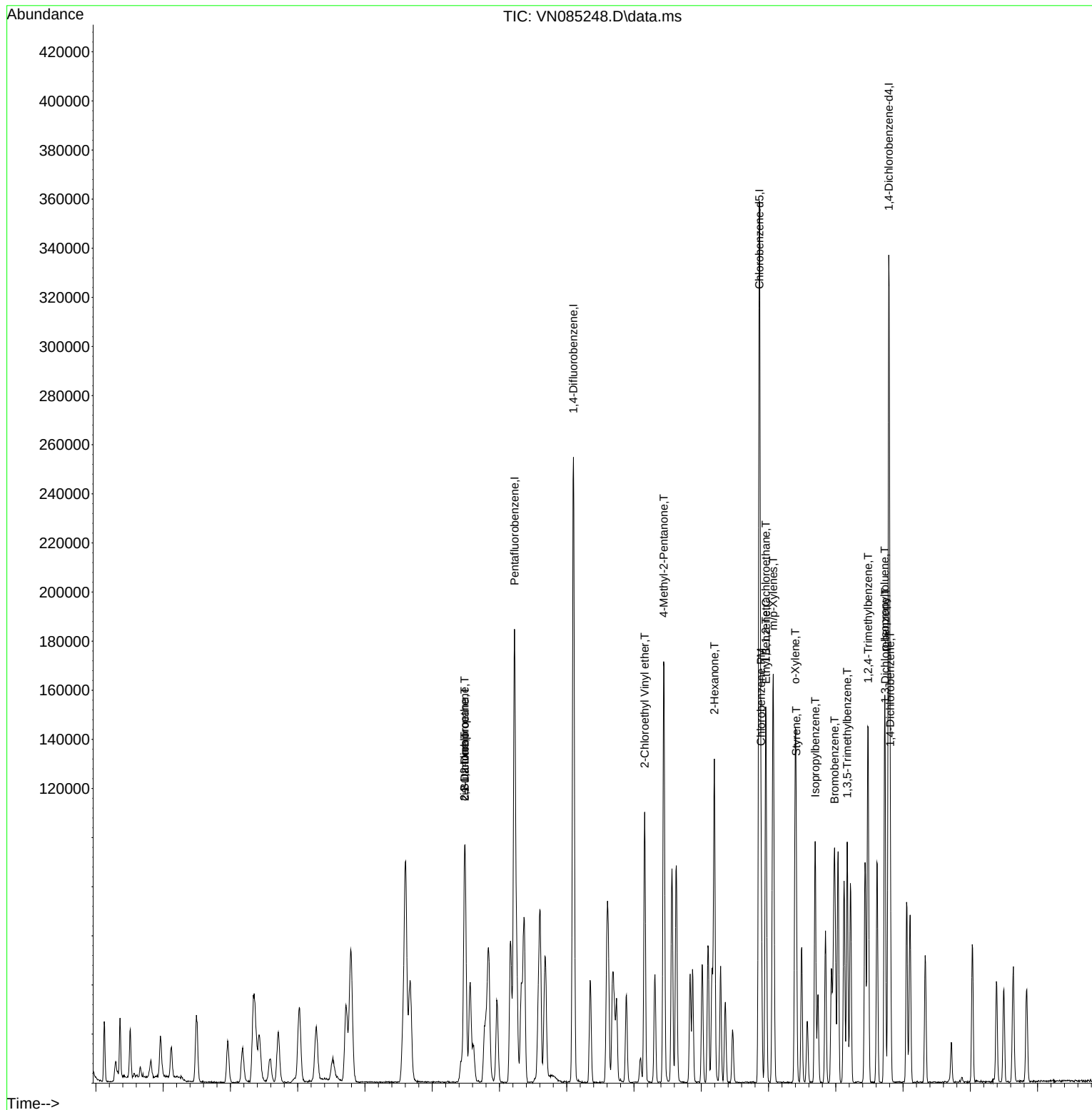
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\  
Data File : VN085248.D  
Acq On    : 18 Dec 2024  13:08  
Operator  : JC\MD  
Sample    : VSTDIC010  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 6    Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:19:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 05:12:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085249.D
 Acq On : 18 Dec 2024 13:33
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:20:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 05:12:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	118161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	208462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	179857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	81812	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	10300	4.987	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	9.980%#
35) Dibromofluoromethane	8.165	113	6930	4.728	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	9.460%#
50) Toluene-d8	10.565	98	24363	4.548	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	9.100%#
62) 4-Bromofluorobenzene	12.847	95	8246	4.310	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	8.620%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.124	85	8552	4.543	ug/l	94
3) Chloromethane	2.359	50	7973	4.444	ug/l #	80
4) Vinyl Chloride	2.507	62	7913	4.707	ug/l	91
5) Bromomethane	2.942	94	5788	5.249	ug/l	82
6) Chloroethane	3.112	64	5141	4.270	ug/l	99
7) Trichlorofluoromethane	3.495	101	13956	5.141	ug/l	87
8) Diethyl Ether	3.959	74	4055	4.756	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.365	101	7130	4.897	ug/l	96
10) Methyl Iodide	4.589	142	7671	4.621	ug/l #	90
11) Tert butyl alcohol	5.524	59	7940	27.677	ug/l #	88
12) 1,1-Dichloroethene	4.342	96	6834	5.067	ug/l	81
13) Acrolein	4.183	56	9089	27.511	ug/l	95
14) Allyl chloride	5.018	41	11517m	4.919	ug/l	
15) Acrylonitrile	5.718	53	19826	25.373	ug/l	94
16) Acetone	4.430	43	17066	23.939	ug/l	92
17) Carbon Disulfide	4.706	76	21904	4.759	ug/l	100
18) Methyl Acetate	5.024	43	10156	5.032	ug/l #	74
19) Methyl tert-butyl Ether	5.789	73	22107	4.782	ug/l	99
20) Methylene Chloride	5.277	84	7716	4.948	ug/l #	82
21) trans-1,2-Dichloroethene	5.789	96	7480	5.031	ug/l	86
22) Diisopropyl ether	6.671	45	24072	4.831	ug/l #	87
23) Vinyl Acetate	6.600	43	87406	22.702	ug/l	97
24) 1,1-Dichloroethane	6.565	63	14175	4.911	ug/l	98
25) 2-Butanone	7.489	43	26587	24.353	ug/l	94
26) 2,2-Dichloropropane	7.489	77	12837	4.803	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	8025	4.635	ug/l	95
28) Bromochloromethane	7.818	49	6906	4.744	ug/l #	98
29) Tetrahydrofuran	7.841	42	16381	23.277	ug/l	98
30) Chloroform	7.965	83	14768	4.791	ug/l	97
31) Cyclohexane	8.247	56	14453	5.409	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	12937	4.709	ug/l	91
36) 1,1-Dichloropropene	8.365	75	8898	4.360	ug/l	98
37) Ethyl Acetate	7.559	43	12366	5.252	ug/l #	95
38) Carbon Tetrachloride	8.365	117	11905	4.825	ug/l	85
39) Methylcyclohexane	9.594	83	9043	4.258	ug/l	94
40) Benzene	8.600	78	30681	4.833	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085249.D
 Acq On : 18 Dec 2024 13:33
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:20:40 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M

Quant Title : SW846 8260

QLast Update : Thu Dec 19 05:12:29 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	5611	4.676	ug/l	93
42) 1,2-Dichloroethane	8.671	62	11828	4.891	ug/l	99
43) Isopropyl Acetate	8.688	43	19471	4.522	ug/l	98
44) Trichloroethene	9.347	130	6824	4.828	ug/l	86
45) 1,2-Dichloropropane	9.624	63	7717	4.909	ug/l	91
46) Dibromomethane	9.706	93	5495	4.897	ug/l	98
47) Bromodichloromethane	9.888	83	11320	4.708	ug/l	94
48) Methyl methacrylate	9.683	41	7921	4.488	ug/l	99
49) 1,4-Dioxane	9.700	88	2671	95.985	ug/l #	92
51) 4-Methyl-2-Pentanone	10.441	43	53682	23.729	ug/l	100
52) Toluene	10.630	92	17541	4.595	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	11095	4.734	ug/l	91
54) cis-1,3-Dichloropropene	10.306	75	11559	4.639	ug/l	92
55) 1,1,2-Trichloroethane	11.012	97	6841	4.786	ug/l	99
56) Ethyl methacrylate	10.871	69	9510	5.579	ug/l	97
57) 1,3-Dichloropropane	11.159	76	12003	4.771	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	20838	30.655	ug/l	97
59) 2-Hexanone	11.194	43	36841	22.845	ug/l	95
60) Dibromochloromethane	11.353	129	8061	4.758	ug/l	98
61) 1,2-Dibromoethane	11.465	107	7045	4.785	ug/l	100
64) Tetrachloroethene	11.100	164	6130	5.065	ug/l #	87
65) Chlorobenzene	11.888	112	19753	4.886	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	6906	4.896	ug/l	97
67) Ethyl Benzene	11.965	91	30951	4.466	ug/l	100
68) m/p-Xylenes	12.065	106	23102	8.914	ug/l	100
69) o-Xylene	12.394	106	10391	4.265	ug/l	97
70) Styrene	12.412	104	17024	4.186	ug/l	98
71) Bromoform	12.576	173	5534	5.005	ug/l #	95
73) Isopropylbenzene	12.694	105	27255	4.618	ug/l	98
74) N-amyl acetate	12.494	43	12710	4.312	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	10500	4.993	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	8941m	5.009	ug/l	
77) Bromobenzene	12.976	156	7303	4.713	ug/l	95
78) n-propylbenzene	13.035	91	30515	4.216	ug/l	99
79) 2-Chlorotoluene	13.124	91	21362	4.648	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	20420	4.148	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	3037	4.135	ug/l	92
82) 4-Chlorotoluene	13.223	91	21725	4.672	ug/l	100
83) tert-Butylbenzene	13.435	119	18639	4.465	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	21692	4.311	ug/l	97
85) sec-Butylbenzene	13.618	105	24574	4.222	ug/l	97
86) p-Isopropyltoluene	13.729	119	19136	5.212	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	13219	4.632	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	14078	4.768	ug/l	96
89) n-Butylbenzene	14.059	91	17185	4.015	ug/l	99
90) Hexachloroethane	14.329	117	4807	4.496	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	12593	4.745	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	2053	5.091	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	5886	4.332	ug/l	97
94) Hexachlorobutadiene	15.500	225	3772	5.342	ug/l	88
95) Naphthalene	15.635	128	18483	4.108	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	6162	4.541	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085249.D
Acq On : 18 Dec 2024 13:33
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:20:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 05:12:29 2024
Response via : Initial Calibration

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

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

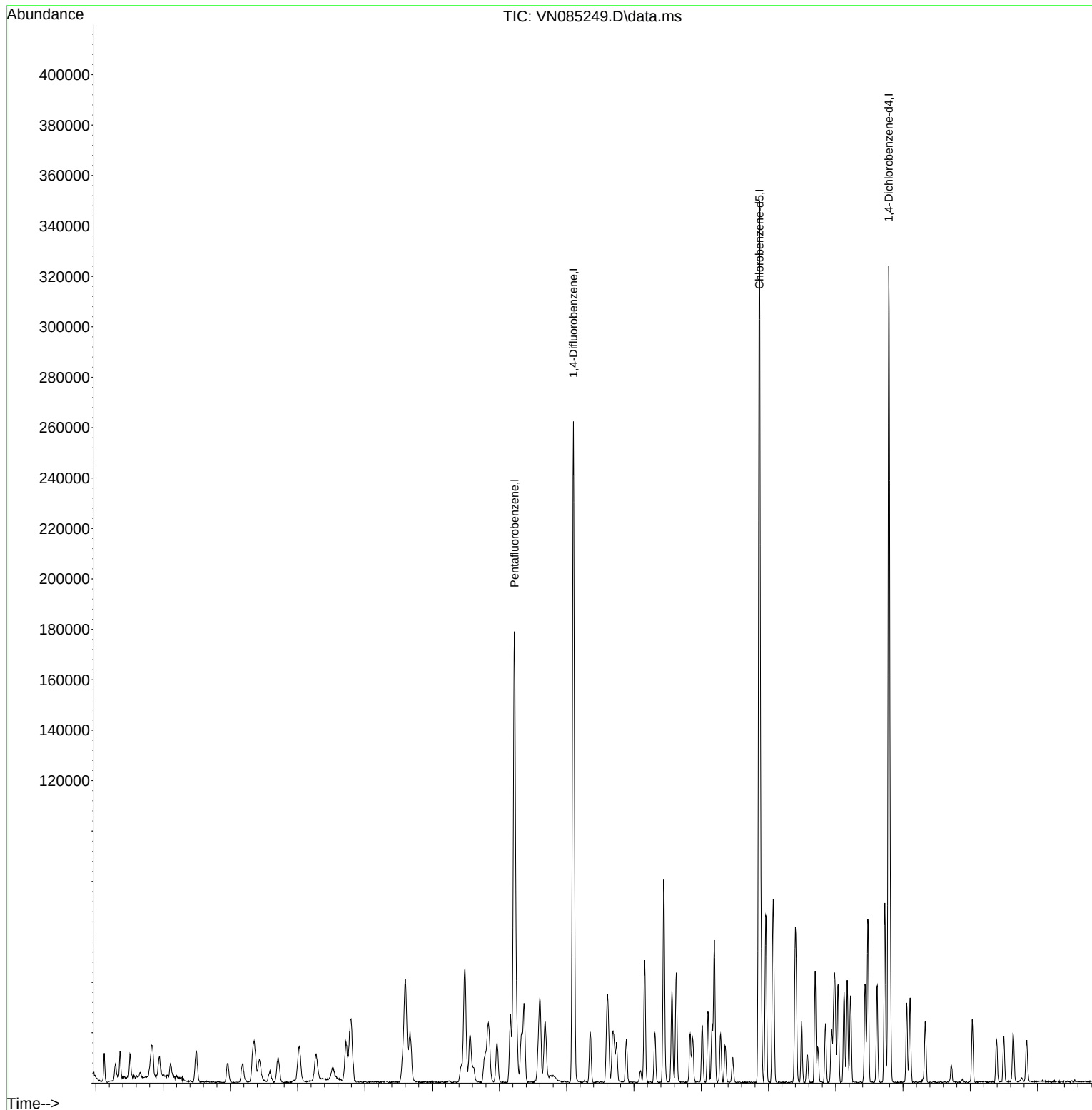
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Data File : VN085249.D
Acq On : 18 Dec 2024 13:33
Operator : JC\MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/20/2024
Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 05:20:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 05:12:29 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085250.D
 Acq On : 18 Dec 2024 13:57
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:25:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:19:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	101896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	189964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	158846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	62164	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	1624	1.000	ug/l	84
3) Chloromethane	2.359	50	1948	1.259	ug/l #	87
4) Vinyl Chloride	2.512	62	1567	1.081	ug/l #	79
6) Chloroethane	3.118	64	1766	1.131	ug/l #	83
7) Trichlorofluoromethane	3.495	101	2202	0.941	ug/l #	62
8) Diethyl Ether	3.959	74	626	0.851	ug/l	78
9) 1,1,2-Trichlorotrifluo...	4.377	101	1251	0.996	ug/l #	82
12) 1,1-Dichloroethene	4.342	96	1071	0.921	ug/l #	60
14) Allyl chloride	5.024	41	2044	1.015	ug/l #	22
15) Acrylonitrile	5.718	53	3280	4.868	ug/l	94
16) Acetone	4.448	43	3525	5.734	ug/l #	89
17) Carbon Disulfide	4.712	76	5242	1.321	ug/l #	93
18) Methyl Acetate	5.036	43	1933	1.111	ug/l #	69
19) Methyl tert-butyl Ether	5.812	73	3691	0.926	ug/l	99
20) Methylene Chloride	5.277	84	1388	1.032	ug/l #	88
21) trans-1,2-Dichloroethene	5.783	96	1469	1.146	ug/l #	68
22) Diisopropyl ether	6.671	45	3365	0.783	ug/l #	84
23) Vinyl Acetate	6.606	43	14035	4.227	ug/l	97
24) 1,1-Dichloroethane	6.571	63	2432	0.977	ug/l #	85
25) 2-Butanone	7.494	43	4745	5.040	ug/l #	87
26) 2,2-Dichloropropane	7.489	77	2289	0.993	ug/l	80
27) cis-1,2-Dichloroethene	7.489	96	1602	1.073	ug/l	89
28) Bromochloromethane	7.812	49	1388	1.106	ug/l #	87
29) Tetrahydrofuran	7.836	42	2887	4.757	ug/l #	84
30) Chloroform	7.959	83	3033	1.141	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	2468	1.042	ug/l #	47
36) 1,1-Dichloropropene	8.371	75	1708	0.918	ug/l #	83
37) Ethyl Acetate	7.565	43	2044	0.953	ug/l #	71
38) Carbon Tetrachloride	8.359	117	2355	1.047	ug/l #	90
39) Methylcyclohexane	9.588	83	1720	0.889	ug/l #	81
40) Benzene	8.606	78	5368	0.928	ug/l	90
41) Methacrylonitrile	7.777	41	946	0.865	ug/l #	74
42) 1,2-Dichloroethane	8.671	62	2046	0.928	ug/l #	77
43) Isopropyl Acetate	8.694	43	4966	1.266	ug/l #	82
44) Trichloroethene	9.347	130	1270	0.986	ug/l	65
45) 1,2-Dichloropropane	9.612	63	1387	0.968	ug/l #	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085250.D
 Acq On : 18 Dec 2024 13:57
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC001

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/20/2024

Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:25:26 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M

Quant Title : SW846 8260

QLast Update : Thu Dec 19 06:19:00 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	954	0.933	ug/l #	78
47) Bromodichloromethane	9.883	83	2026	0.925	ug/l #	89
48) Methyl methacrylate	9.683	41	1393	0.866	ug/l	92
49) 1,4-Dioxane	9.700	88	361	14.236	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	8391	4.070	ug/l	97
52) Toluene	10.624	92	3238	0.931	ug/l	89
53) t-1,3-Dichloropropene	10.841	75	1627	0.762	ug/l #	84
54) cis-1,3-Dichloropropene	10.312	75	1915	0.843	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	1186	0.911	ug/l #	67
56) Ethyl methacrylate	10.871	69	1442	2.793	ug/l	97
57) 1,3-Dichloropropane	11.165	76	2128	0.928	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	2886	17.794	ug/l	97
59) 2-Hexanone	11.194	43	5374	3.657	ug/l	94
60) Dibromochloromethane	11.359	129	1329	0.861	ug/l	98
61) 1,2-Dibromoethane	11.471	107	1216	0.906	ug/l	93
64) Tetrachloroethene	11.100	164	1012	0.947	ug/l #	73
65) Chlorobenzene	11.888	112	3581	1.003	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	1078	0.865	ug/l #	58
67) Ethyl Benzene	11.959	91	5208	0.851	ug/l	97
68) m/p-Xylenes	12.071	106	3798	1.659	ug/l	99
69) o-Xylene	12.400	106	1692	0.786	ug/l	95
70) Styrene	12.418	104	2751	0.766	ug/l	95
71) Bromoform	12.576	173	842	0.862	ug/l #	99
73) Isopropylbenzene	12.694	105	3330	0.743	ug/l	97
74) N-amyl acetate	12.488	43	1748	0.780	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.929	83	1677	1.050	ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	1455m	0.982	ug/l	
77) Bromobenzene	12.976	156	1330	1.130	ug/l	92
78) n-propylbenzene	13.035	91	4704	0.855	ug/l	93
79) 2-Chlorotoluene	13.118	91	3091	0.885	ug/l	95
80) 1,3,5-Trimethylbenzene	13.171	105	2808	0.751	ug/l	99
82) 4-Chlorotoluene	13.229	91	3041	0.861	ug/l	96
83) tert-Butylbenzene	13.435	119	2748	0.866	ug/l	85
84) 1,2,4-Trimethylbenzene	13.471	105	3057	0.800	ug/l	92
85) sec-Butylbenzene	13.612	105	3372	0.762	ug/l	92
86) p-Isopropyltoluene	13.729	119	2415	2.489	ug/l	96
87) 1,3-Dichlorobenzene	13.735	146	2237	1.032	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	2631m	1.173	ug/l	
89) n-Butylbenzene	14.053	91	2897	0.891	ug/l	92
90) Hexachloroethane	14.329	117	842	1.036	ug/l	96
91) 1,2-Dichlorobenzene	14.112	146	1864	0.924	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.712	75	212	0.692	ug/l	90
93) 1,2,4-Trichlorobenzene	15.400	180	1206	1.168	ug/l #	82
94) Hexachlorobutadiene	15.494	225	673	1.254	ug/l	79
95) Naphthalene	15.641	128	3956	1.157	ug/l #	71
96) 1,2,3-Trichlorobenzene	15.841	180	1186	1.150	ug/l	89

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

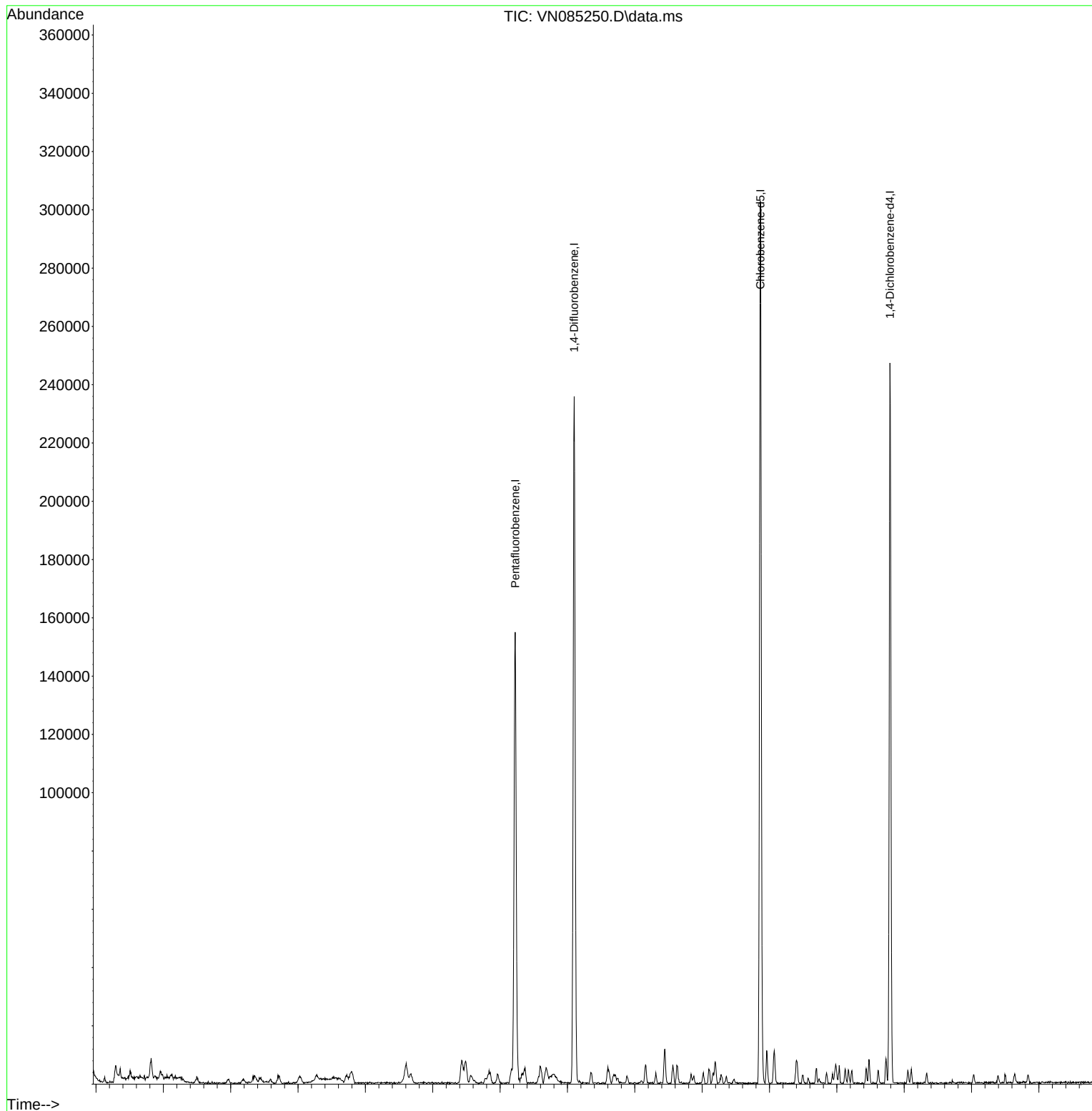
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Data File : VN085250.D
Acq On : 18 Dec 2024 13:57
Operator : JC\MD
Sample : VSTDIC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/20/2024
Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:25:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:19:00 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085252.D
 Acq On : 18 Dec 2024 15:28
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121824

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:44:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	118913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	201330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	186269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96041	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	100452	48.331	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.660%
35) Dibromofluoromethane	8.165	113	70873	50.071	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.140%
50) Toluene-d8	10.565	98	277928	53.722	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.440%
62) 4-Bromofluorobenzene	12.847	95	101431	54.892	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.780%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	100635	53.124	ug/l	96
3) Chloromethane	2.359	50	86111	47.690	ug/l	98
4) Vinyl Chloride	2.506	62	87289	51.596	ug/l	98
5) Bromomethane	2.947	94	52053	46.903	ug/l	94
6) Chloroethane	3.112	64	53840	51.794	ug/l	98
7) Trichlorofluoromethane	3.489	101	133014	48.688	ug/l	97
8) Diethyl Ether	3.959	74	43768	51.005	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	73015	49.831	ug/l	99
10) Methyl Iodide	4.583	142	84032	50.298	ug/l	98
11) Tert butyl alcohol	5.524	59	70102	242.811	ug/l	98
12) 1,1-Dichloroethene	4.341	96	68199	50.247	ug/l	90
13) Acrolein	4.177	56	80247	241.358	ug/l	95
14) Allyl chloride	5.024	41	117898	50.158	ug/l	96
15) Acrylonitrile	5.718	53	201679	256.471	ug/l	99
16) Acetone	4.424	43	180678	251.841	ug/l	93
17) Carbon Disulfide	4.706	76	213424	46.079	ug/l	96
18) Methyl Acetate	5.024	43	98726	48.608	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	243754	52.397	ug/l	96
20) Methylene Chloride	5.265	84	78743	50.176	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	73555	49.155	ug/l	93
22) Diisopropyl ether	6.671	45	269936	53.833	ug/l	98
23) Vinyl Acetate	6.600	43	1052093	271.533	ug/l	99
24) 1,1-Dichloroethane	6.565	63	144468	49.737	ug/l	99
25) 2-Butanone	7.482	43	291500	265.320	ug/l	98
26) 2,2-Dichloropropane	7.488	77	136132	50.613	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	87010	49.941	ug/l	98
28) Bromochloromethane	7.812	49	68849	47.000	ug/l	99
29) Tetrahydrofuran	7.835	42	192364	271.615	ug/l	98
30) Chloroform	7.965	83	154690	49.869	ug/l	99
31) Cyclohexane	8.253	56	132384	49.233	ug/l	100
32) 1,1,1-Trichloroethane	8.171	97	139048	50.294	ug/l	100
36) 1,1-Dichloropropene	8.371	75	107913	54.752	ug/l	100
37) Ethyl Acetate	7.559	43	115253	50.687	ug/l	99
38) Carbon Tetrachloride	8.359	117	122741	51.507	ug/l	98
39) Methylcyclohexane	9.600	83	116519	56.812	ug/l	96
40) Benzene	8.606	78	323372	52.739	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085252.D
 Acq On : 18 Dec 2024 15:28
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121824

Quant Time: Dec 19 06:44:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	65451	56.481	ug/l	96
42) 1,2-Dichloroethane	8.671	62	121250	51.915	ug/l	98
43) Isopropyl Acetate	8.688	43	198852	47.821	ug/l	99
44) Trichloroethene	9.347	130	70123	51.368	ug/l	97
45) 1,2-Dichloropropane	9.618	63	80814	53.231	ug/l	94
46) Dibromomethane	9.706	93	58019	53.535	ug/l	97
47) Bromodichloromethane	9.888	83	123021	52.981	ug/l	99
48) Methyl methacrylate	9.676	41	96934	56.867	ug/l	99
49) 1,4-Dioxane	9.688	88	32106	1194.626	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	615797	281.847	ug/l	100
52) Toluene	10.629	92	206579	56.032	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	128008	56.558	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	132334	54.993	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	73831	53.481	ug/l	97
56) Ethyl methacrylate	10.870	69	128963	49.171	ug/l	98
57) 1,3-Dichloropropane	11.159	76	132887	54.692	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	278019	225.002	ug/l	99
59) 2-Hexanone	11.194	43	463104	297.348	ug/l	100
60) Dibromochloromethane	11.359	129	92524	56.551	ug/l	98
61) 1,2-Dibromoethane	11.470	107	75923	53.395	ug/l	99
64) Tetrachloroethene	11.106	164	63660	50.789	ug/l	98
65) Chlorobenzene	11.888	112	219513	52.426	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	78102	53.465	ug/l	98
67) Ethyl Benzene	11.965	91	402467	56.080	ug/l	99
68) m/p-Xylenes	12.070	106	307924	114.719	ug/l	98
69) o-Xylene	12.400	106	143866	57.023	ug/l	100
70) Styrene	12.412	104	252729	60.003	ug/l	98
71) Bromoform	12.576	173	63048	55.061	ug/l #	97
73) Isopropylbenzene	12.694	105	376220	54.303	ug/l	99
74) N-ethyl acetate	12.494	43	187408	54.159	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	118555	48.027	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	115241m	50.339	ug/l	
77) Bromobenzene	12.976	156	87301	47.993	ug/l	97
78) n-propylbenzene	13.035	91	466664	54.923	ug/l	100
79) 2-Chlorotoluene	13.123	91	281525	52.185	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	322948	55.885	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	44319	51.405	ug/l	97
82) 4-Chlorotoluene	13.223	91	286287	52.442	ug/l	100
83) tert-Butylbenzene	13.435	119	270071	55.108	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	328162	55.555	ug/l	99
85) sec-Butylbenzene	13.617	105	382146	55.931	ug/l	99
86) p-Isopropyltoluene	13.729	119	319260	48.357	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	164519	49.112	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	165750	47.820	ug/l	99
89) n-Butylbenzene	14.059	91	280501	55.826	ug/l	99
90) Hexachloroethane	14.335	117	62380	49.700	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	161855	51.948	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	25480	53.825	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	75818	47.537	ug/l	97
94) Hexachlorobutadiene	15.500	225	37092	44.747	ug/l	94
95) Naphthalene	15.641	128	249960	47.325	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	74756	46.927	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085252.D
Acq On : 18 Dec 2024 15:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121824

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:44:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration

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

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

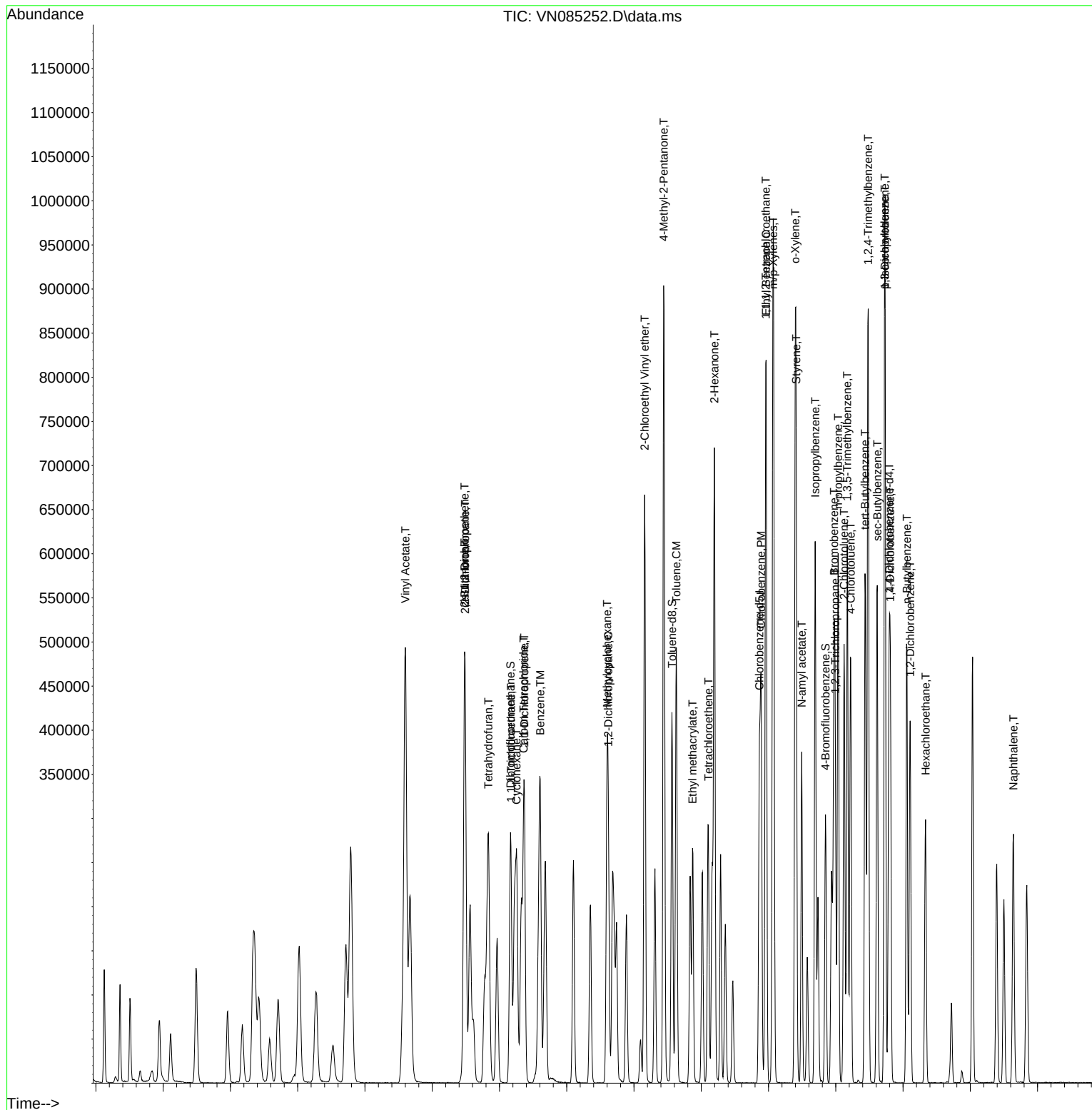
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\  
Data File : VN085252.D  
Acq On    : 18 Dec 2024   15:28  
Operator  : JC\MD  
Sample    : VSTDICV050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 11   Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
ICVVN121824

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
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 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	91	0.00
2 T	Dichlorodifluoromethane	0.797	0.846	-6.1	90	0.00
3 P	Chloromethane	0.759	0.724	4.6	88	0.00
4 C	Vinyl Chloride	0.711	0.734	-3.2#	91	0.00
5 T	Bromomethane	0.467	0.438	6.2	84	0.00
6 T	Chloroethane	0.513	0.453	11.7	90	0.00
7 T	Trichlorofluoromethane	1.149	1.119	2.6	83	0.00
8 T	Diethyl Ether	0.361	0.368	-1.9	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.616	0.614	0.3	90	0.00
10 T	Methyl Iodide	0.702	0.707	-0.7	87	0.00
11 T	Tert butyl alcohol	0.121	0.118	2.5	92	0.00
12 CM	1,1-Dichloroethene	0.571	0.574	-0.5#	88	0.00
13 T	Acrolein	0.140	0.135	3.6	92	0.00
14 T	Allyl chloride	0.988	0.991	-0.3	90	0.00
15 T	Acrylonitrile	0.331	0.339	-2.4	92	0.00
16 T	Acetone	0.302	0.304	-0.7	95	0.00
17 T	Carbon Disulfide	1.948	1.795	7.9	89	0.00
18 T	Methyl Acetate	0.854	0.830	2.8	91	0.00
19 T	Methyl tert-butyl Ether	1.956	2.050	-4.8	90	0.00
20 T	Methylene Chloride	0.660	0.662	-0.3	91	-0.01
21 T	trans-1,2-Dichloroethene	0.629	0.619	1.6	92	0.00
22 T	Diisopropyl ether	2.108	2.270	-7.7	90	0.00
23 T	Vinyl Acetate	1.629	1.770	-8.7	90	0.00
24 P	1,1-Dichloroethane	1.221	1.215	0.5	89	0.00
25 T	2-Butanone	0.462	0.490	-6.1	96	0.00
26 T	2,2-Dichloropropane	1.131	1.145	-1.2	90	0.00
27 T	cis-1,2-Dichloroethene	0.733	0.732	0.1	89	0.00
28 T	Bromochloromethane	0.616	0.579	6.0	86	0.00
29 T	Tetrahydrofuran	0.298	0.324	-8.7	93	0.00
30 C	Chloroform	1.304	1.301	0.2#	92	0.00
31 T	Cyclohexane	1.131	1.113	1.6	91	0.00
32 T	1,1,1-Trichloroethane	1.162	1.169	-0.6	90	0.00
33 S	1,2-Dichloroethane-d4	0.874	0.845	3.3	94	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35 S	Dibromofluoromethane	0.352	0.352	0.0	92	0.00
36 T	1,1-Dichloropropene	0.489	0.536	-9.6	92	0.00
37 T	Ethyl Acetate	0.565	0.572	-1.2	90	0.00
38 T	Carbon Tetrachloride	0.592	0.610	-3.0	91	0.00
39 T	Methylcyclohexane	0.509	0.579	-13.8	91	0.00
40 TM	Benzene	1.523	1.606	-5.4	91	0.00
41 T	Methacrylonitrile	0.288	0.325	-12.8	96	0.00
42 TM	1,2-Dichloroethane	0.580	0.602	-3.8	91	0.00
43 T	Isopropyl Acetate	1.033	0.988	4.4	90	0.00
44 TM	Trichloroethene	0.339	0.348	-2.7	91	0.00
45 C	1,2-Dichloropropane	0.377	0.401	-6.4#	91	0.00
46 T	Dibromomethane	0.269	0.288	-7.1	93	0.00
47 T	Bromodichloromethane	0.577	0.611	-5.9	90	0.00
48 T	Methyl methacrylate	0.423	0.481	-13.7	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085252.D
 Acq On : 18 Dec 2024 15:28
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121824

Quant Time: Dec 19 06:44:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.007	0.008	-14.3	99	0.00
50 S	Toluene-d8	1.285	1.380	-7.4	96	0.00
51 T	4-Methyl-2-Pentanone	0.543	0.612	-12.7	93	0.00
52 CM	Toluene	0.916	1.026	-12.0#	93	0.00
53 T	t-1,3-Dichloropropene	0.562	0.636	-13.2	92	0.00
54 T	cis-1,3-Dichloropropene	0.598	0.657	-9.9	90	0.00
55 T	1,1,2-Trichloroethane	0.343	0.367	-7.0	93	0.00
56 T	Ethyl methacrylate	0.535	0.641	-19.8	90	0.00
57 T	1,3-Dichloropropane	0.603	0.660	-9.5	92	0.00
58 T	2-Chloroethyl Vinyl ether	0.237	0.276	-16.5	84	0.00
59 T	2-Hexanone	0.387	0.460	-18.9	96	0.00
60 T	Dibromochloromethane	0.406	0.460	-13.3	94	0.00
61 T	1,2-Dibromoethane	0.353	0.377	-6.8	91	0.00
62 S	4-Bromofluorobenzene	0.459	0.504	-9.8	96	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	92	0.00
64 T	Tetrachloroethene	0.336	0.342	-1.8	92	0.00
65 PM	Chlorobenzene	1.124	1.178	-4.8	95	0.00
66 T	1,1,1,2-Tetrachloroethane	0.392	0.419	-6.9	96	0.00
67 C	Ethyl Benzene	1.926	2.161	-12.2#	93	0.00
68 T	m/p-Xylenes	0.721	0.827	-14.7	94	0.00
69 T	o-Xylene	0.677	0.772	-14.0	93	0.00
70 T	Styrene	1.131	1.357	-20.0	96	0.00
71 P	Bromoform	0.307	0.338	-10.1	97	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.607	3.917	-8.6	96	0.00
74 T	N-amyl acetate	1.801	1.951	-8.3	93	0.00
75 P	1,1,2,2-Tetrachloroethane	1.285	1.234	4.0	96	0.00
76 T	1,2,3-Trichloropropane	1.192	1.200	-0.7	110	0.00
77 T	Bromobenzene	0.947	0.909	4.0	94	0.00
78 T	n-propylbenzene	4.424	4.859	-9.8	97	0.00
79 T	2-Chlorotoluene	2.809	2.931	-4.3	95	0.00
80 T	1,3,5-Trimethylbenzene	3.008	3.363	-11.8	95	0.00
81 T	trans-1,4-Dichloro-2-butene	0.449	0.461	-2.7	97	0.00
82 T	4-Chlorotoluene	2.842	2.981	-4.9	95	0.00
83 T	tert-Butylbenzene	2.551	2.812	-10.2	97	0.00
84 T	1,2,4-Trimethylbenzene	3.075	3.417	-11.1	96	0.00
85 T	sec-Butylbenzene	3.557	3.979	-11.9	95	0.00
86 T	p-Isopropyltoluene	2.837	3.324	-17.2	96	0.00
87 T	1,3-Dichlorobenzene	1.744	1.713	1.8	94	0.00
88 T	1,4-Dichlorobenzene	1.805	1.726	4.4	95	0.00
89 T	n-Butylbenzene	2.616	2.921	-11.7	96	0.00
90 T	Hexachloroethane	0.653	0.650	0.5	95	0.00
91 T	1,2-Dichlorobenzene	1.622	1.685	-3.9	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.246	0.265	-7.7	97	0.00
93 T	1,2,4-Trichlorobenzene	0.830	0.789	4.9	89	0.00
94 T	Hexachlorobutadiene	0.432	0.386	10.6	97	0.00
95 T	Naphthalene	2.750	2.603	5.3	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085252.D
Acq On : 18 Dec 2024 15:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121824

Quant Time: Dec 19 06:44:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.829	0.778	6.2	90	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085252.D
 Acq On : 18 Dec 2024 15:28
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121824

Quant Time: Dec 19 06:44:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	91	0.00
2 T	Dichlorodifluoromethane	50.000	53.124	-6.2	90	0.00
3 P	Chloromethane	50.000	47.690	4.6	88	0.00
4 C	Vinyl Chloride	50.000	51.596	-3.2#	91	0.00
5 T	Bromomethane	50.000	46.903	6.2	84	0.00
6 T	Chloroethane	50.000	51.794	-3.6	90	0.00
7 T	Trichlorofluoromethane	50.000	48.688	2.6	83	0.00
8 T	Diethyl Ether	50.000	51.005	-2.0	86	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.831	0.3	90	0.00
10 T	Methyl Iodide	50.000	50.298	-0.6	87	0.00
11 T	Tert butyl alcohol	250.000	242.811	2.9	92	0.00
12 CM	1,1-Dichloroethene	50.000	50.247	-0.5#	88	0.00
13 T	Acrolein	250.000	241.358	3.5	92	0.00
14 T	Allyl chloride	50.000	50.158	-0.3	90	0.00
15 T	Acrylonitrile	250.000	256.471	-2.6	92	0.00
16 T	Acetone	250.000	251.841	-0.7	95	0.00
17 T	Carbon Disulfide	50.000	46.079	7.8	89	0.00
18 T	Methyl Acetate	50.000	48.608	2.8	91	0.00
19 T	Methyl tert-butyl Ether	50.000	52.397	-4.8	90	0.00
20 T	Methylene Chloride	50.000	50.176	-0.4	91	-0.01
21 T	trans-1,2-Dichloroethene	50.000	49.155	1.7	92	0.00
22 T	Diisopropyl ether	50.000	53.833	-7.7	90	0.00
23 T	Vinyl Acetate	250.000	271.533	-8.6	90	0.00
24 P	1,1-Dichloroethane	50.000	49.737	0.5	89	0.00
25 T	2-Butanone	250.000	265.320	-6.1	96	0.00
26 T	2,2-Dichloropropane	50.000	50.613	-1.2	90	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.941	0.1	89	0.00
28 T	Bromochloromethane	50.000	47.000	6.0	86	0.00
29 T	Tetrahydrofuran	250.000	271.615	-8.6	93	0.00
30 C	Chloroform	50.000	49.869	0.3#	92	0.00
31 T	Cyclohexane	50.000	49.233	1.5	91	0.00
32 T	1,1,1-Trichloroethane	50.000	50.294	-0.6	90	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.331	3.3	94	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35 S	Dibromofluoromethane	50.000	50.071	-0.1	92	0.00
36 T	1,1-Dichloropropene	50.000	54.752	-9.5	92	0.00
37 T	Ethyl Acetate	50.000	50.687	-1.4	90	0.00
38 T	Carbon Tetrachloride	50.000	51.507	-3.0	91	0.00
39 T	Methylcyclohexane	50.000	56.812	-13.6	91	0.00
40 TM	Benzene	50.000	52.739	-5.5	91	0.00
41 T	Methacrylonitrile	50.000	56.481	-13.0	96	0.00
42 TM	1,2-Dichloroethane	50.000	51.915	-3.8	91	0.00
43 T	Isopropyl Acetate	50.000	47.821	4.4	90	0.00
44 TM	Trichloroethene	50.000	51.368	-2.7	91	0.00
45 C	1,2-Dichloropropane	50.000	53.231	-6.5#	91	0.00
46 T	Dibromomethane	50.000	53.535	-7.1	93	0.00
47 T	Bromodichloromethane	50.000	52.981	-6.0	90	0.00
48 T	Methyl methacrylate	50.000	56.867	-13.7	93	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085252.D
 Acq On : 18 Dec 2024 15:28
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121824

Quant Time: Dec 19 06:44:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1194.626	-19.5	99	0.00
50 S	Toluene-d8	50.000	53.722	-7.4	96	0.00
51 T	4-Methyl-2-Pentanone	250.000	281.847	-12.7	93	0.00
52 CM	Toluene	50.000	56.032	-12.1#	93	0.00
53 T	t-1,3-Dichloropropene	50.000	56.558	-13.1	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.993	-10.0	90	0.00
55 T	1,1,2-Trichloroethane	50.000	53.481	-7.0	93	0.00
56 T	Ethyl methacrylate	50.000	49.171	1.7	90	0.00
57 T	1,3-Dichloropropane	50.000	54.692	-9.4	92	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	225.002	10.0	84	0.00
59 T	2-Hexanone	250.000	297.348	-18.9	96	0.00
60 T	Dibromochloromethane	50.000	56.551	-13.1	94	0.00
61 T	1,2-Dibromoethane	50.000	53.395	-6.8	91	0.00
62 S	4-Bromofluorobenzene	50.000	54.892	-9.8	96	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	92	0.00
64 T	Tetrachloroethene	50.000	50.789	-1.6	92	0.00
65 PM	Chlorobenzene	50.000	52.426	-4.9	95	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.465	-6.9	96	0.00
67 C	Ethyl Benzene	50.000	56.080	-12.2#	93	0.00
68 T	m/p-Xylenes	100.000	114.719	-14.7	94	0.00
69 T	o-Xylene	50.000	57.023	-14.0	93	0.00
70 T	Styrene	50.000	60.003	-20.0	96	0.00
71 P	Bromoform	50.000	55.061	-10.1	97	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	54.303	-8.6	96	0.00
74 T	N-amyl acetate	50.000	54.159	-8.3	93	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.027	3.9	96	0.00
76 T	1,2,3-Trichloropropane	50.000	50.339	-0.7	110	0.00
77 T	Bromobenzene	50.000	47.993	4.0	94	0.00
78 T	n-propylbenzene	50.000	54.923	-9.8	97	0.00
79 T	2-Chlorotoluene	50.000	52.185	-4.4	95	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.885	-11.8	95	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.405	-2.8	97	0.00
82 T	4-Chlorotoluene	50.000	52.442	-4.9	95	0.00
83 T	tert-Butylbenzene	50.000	55.108	-10.2	97	0.00
84 T	1,2,4-Trimethylbenzene	50.000	55.555	-11.1	96	0.00
85 T	sec-Butylbenzene	50.000	55.931	-11.9	95	0.00
86 T	p-Isopropyltoluene	50.000	48.357	3.3	96	0.00
87 T	1,3-Dichlorobenzene	50.000	49.112	1.8	94	0.00
88 T	1,4-Dichlorobenzene	50.000	47.820	4.4	95	0.00
89 T	n-Butylbenzene	50.000	55.826	-11.7	96	0.00
90 T	Hexachloroethane	50.000	49.700	0.6	95	0.00
91 T	1,2-Dichlorobenzene	50.000	51.948	-3.9	96	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.825	-7.7	97	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.537	4.9	89	0.00
94 T	Hexachlorobutadiene	50.000	44.747	10.5	97	0.00
95 T	Naphthalene	50.000	47.325	5.3	87	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085252.D
Acq On : 18 Dec 2024 15:28
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121824

Quant Time: Dec 19 06:44:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.927	6.1	90	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG No.: P5291

Instrument ID: MSVOA_N Calibration Date/Time: 12/17/2024 12:10

Lab File ID: VN085218.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.565	0.772		36.64	20
Chloromethane	0.656	0.652	0.1	-0.61	20
Vinyl Chloride	0.589	0.663		12.56	20
Bromomethane	0.330	0.408		23.64	20
Chloroethane	0.397	0.422		6.3	20
Trichlorofluoromethane	1.002	1.128		12.57	20
1,1,2-Trichlorotrifluoroethane	0.569	0.607		6.68	20
1,1-Dichloroethene	0.531	0.562		5.84	20
Acetone	0.207	0.241		16.42	20
Carbon Disulfide	1.566	1.673		6.83	20
Methyl tert-butyl Ether	1.734	1.843		6.29	20
Methyl Acetate	0.804	0.705		-12.31	20
Methylene Chloride	0.633	0.642		1.42	20
trans-1,2-Dichloroethene	0.558	0.593		6.27	20
1,1-Dichloroethane	1.078	1.084	0.1	0.56	20
Cyclohexane	0.949	0.905		-4.64	20
2-Butanone	0.339	0.374		10.32	20
Carbon Tetrachloride	0.527	0.624		18.41	20
cis-1,2-Dichloroethene	0.673	0.671		-0.3	20
Bromochloromethane	0.407	0.390		-4.18	20
Chloroform	1.146	1.172		2.27	20
1,1,1-Trichloroethane	1.036	1.092		5.41	20
Methylcyclohexane	0.475	0.540		13.68	20
Benzene	1.445	1.594		10.39	20
1,2-Dichloroethane	0.494	0.554		12.15	20
Trichloroethene	0.336	0.372		10.71	20
1,2-Dichloropropane	0.356	0.378		6.18	20
Bromodichloromethane	0.524	0.592		12.98	20
4-Methyl-2-Pentanone	0.394	0.516		30.96	20
Toluene	0.855	1.008		17.9	20
t-1,3-Dichloropropene	0.525	0.585		11.43	20
cis-1,3-Dichloropropene	0.557	0.621		11.49	20
1,1,2-Trichloroethane	0.319	0.377		18.18	20
2-Hexanone	0.295	0.384		30.17	20
Dibromochloromethane	0.389	0.473		21.59	20
1,2-Dibromoethane	0.330	0.386		16.97	20
Tetrachloroethene	0.337	0.376		11.57	20
Chlorobenzene	1.134	1.180	0.3	4.06	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: PARS02

Lab Code: CHEM Case No.: P5291 SAS No.: P5291 SDG No.: P5291

Instrument ID: MSVOA_N Calibration Date/Time: 12/17/2024 12:10

Lab File ID: VN085218.D Init. Calib. Date(s): 11/22/2024 11/22/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:22 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.840	2.098		14.02	20
m/p-Xylenes	0.700	0.818		16.86	20
o-Xylene	0.666	0.770		15.62	20
Styrene	1.108	1.338		20.76	20
Bromoform	0.296	0.362	0.1	22.3	20
Isopropylbenzene	3.527	3.699		4.88	20
1,1,2,2-Tetrachloroethane	1.205	1.150	0.3	-4.49	20
1,3-Dichlorobenzene	1.872	1.753		-6.36	20
1,4-Dichlorobenzene	1.911	1.731		-9.42	20
1,2-Dichlorobenzene	1.794	1.655		-7.75	20
1,2-Dibromo-3-Chloropropane	0.233	0.238		2.15	20
1,2,4-Trichlorobenzene	0.975	0.826		-15.28	20
1,2,3-Trichlorobenzene	0.930	0.834		-10.32	20
1,2-Dichloroethane-d4	0.712	0.698		-1.97	20
Dibromofluoromethane	0.337	0.372		10.39	20
Toluene-d8	1.208	1.254		3.81	20
4-Bromofluorobenzene	0.452	0.501		10.84	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085218.D
 Acq On : 17 Dec 2024 12:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:21:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	147251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	228600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	208199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	102853	49.036	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.080%		
35) Dibromofluoromethane	8.165	113	84971	55.119	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.240%		
50) Toluene-d8	10.565	98	286560	51.869	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.740%		
62) 4-Bromofluorobenzene	12.847	95	114443	55.392	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	110.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	113632	68.246	ug/l	99
3) Chloromethane	2.359	50	95956	49.688	ug/l	97
4) Vinyl Chloride	2.507	62	97566	56.218	ug/l	99
5) Bromomethane	2.936	94	60141	61.827	ug/l	96
6) Chloroethane	3.101	64	62172	53.149	ug/l	97
7) Trichlorofluoromethane	3.489	101	166121	56.269	ug/l	98
8) Diethyl Ether	3.953	74	51520	51.273	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	89378	53.379	ug/l	98
10) Methyl Iodide	4.583	142	97625	44.047	ug/l	99
11) Tert butyl alcohol	5.524	59	82271	293.521	ug/l	96
12) 1,1-Dichloroethene	4.336	96	82819	52.990	ug/l	98
13) Acrolein	4.177	56	45185	241.593	ug/l	94
14) Allyl chloride	5.018	41	113326	43.012	ug/l	92
15) Acrylonitrile	5.718	53	215735	271.863	ug/l	98
16) Acetone	4.424	43	177621	290.768	ug/l	99
17) Carbon Disulfide	4.706	76	246359	53.404	ug/l	96
18) Methyl Acetate	5.024	43	103822	53.249	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	271338	53.135	ug/l	98
20) Methylene Chloride	5.277	84	94577	50.737	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	87266	53.058	ug/l	95
22) Diisopropyl ether	6.671	45	260954	49.210	ug/l	98
23) Vinyl Acetate	6.600	43	1000652	273.527	ug/l	98
24) 1,1-Dichloroethane	6.565	63	159655	50.311	ug/l	95
25) 2-Butanone	7.483	43	275155	275.508	ug/l	98
26) 2,2-Dichloropropane	7.489	77	143802	48.530	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	98836	49.847	ug/l	99
28) Bromochloromethane	7.812	49	57418	47.933	ug/l	92
29) Tetrahydrofuran	7.836	42	186848	300.848	ug/l	99
30) Chloroform	7.965	83	172646	51.145	ug/l	100
31) Cyclohexane	8.253	56	133228	47.684	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	160804	52.716	ug/l	99
36) 1,1-Dichloropropene	8.371	75	116753	55.914	ug/l	99
37) Ethyl Acetate	7.559	43	116430	61.334	ug/l	99
38) Carbon Tetrachloride	8.359	117	142611	59.168	ug/l	96
39) Methylcyclohexane	9.600	83	123359	56.852	ug/l	98
40) Benzene	8.606	78	364334	55.167	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085218.D
 Acq On : 17 Dec 2024 12:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:21:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	57863	55.053	ug/l	94
42) 1,2-Dichloroethane	8.671	62	126687	56.072	ug/l	99
43) Isopropyl Acetate	8.688	43	190089	48.208	ug/l	99
44) Trichloroethene	9.353	130	85097	55.445	ug/l	97
45) 1,2-Dichloropropane	9.618	63	86504	53.180	ug/l	97
46) Dibromomethane	9.706	93	65599	58.038	ug/l	100
47) Bromodichloromethane	9.888	83	135417	56.528	ug/l	98
48) Methyl methacrylate	9.677	41	90899	61.949	ug/l	98
49) 1,4-Dioxane	9.694	88	35833	1408.207	ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	589427	327.274	ug/l	99
52) Toluene	10.630	92	230450	58.943	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	133692	55.666	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	141975	55.722	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	86257	59.231	ug/l	99
56) Ethyl methacrylate	10.871	69	137735	64.726	ug/l	99
57) 1,3-Dichloropropane	11.159	76	146141	57.019	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	291639	279.393	ug/l	99
59) 2-Hexanone	11.194	43	438365	325.440	ug/l	99
60) Dibromochloromethane	11.359	129	108128	60.754	ug/l	98
61) 1,2-Dibromoethane	11.471	107	88346	58.619	ug/l	97
64) Tetrachloroethene	11.106	164	78260	55.784	ug/l	95
65) Chlorobenzene	11.888	112	245587	52.012	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	92580	55.689	ug/l	97
67) Ethyl Benzene	11.965	91	436843	57.026	ug/l	97
68) m/p-Xylenes	12.071	106	340499	116.751	ug/l	99
69) o-Xylene	12.400	106	160396	57.816	ug/l	100
70) Styrene	12.412	104	278636	60.395	ug/l	100
71) Bromoform	12.576	173	75386	61.090	ug/l #	100
73) Isopropylbenzene	12.694	105	409043	52.439	ug/l	100
74) N-ethyl acetate	12.494	43	168181	52.322	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	127112	47.721	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	106702m	53.054	ug/l	
77) Bromobenzene	12.976	156	102360	48.763	ug/l	99
78) n-propylbenzene	13.035	91	487374	54.170	ug/l	99
79) 2-Chlorotoluene	13.123	91	299109	49.802	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	364092	55.624	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	44892	49.275	ug/l	91
82) 4-Chlorotoluene	13.218	91	311249	49.782	ug/l	99
83) tert-Butylbenzene	13.435	119	299928	53.256	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	363138	53.897	ug/l	100
85) sec-Butylbenzene	13.612	105	410406	53.945	ug/l	99
86) p-Isopropyltoluene	13.729	119	348376	55.471	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	193825	46.813	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	191362	45.290	ug/l	98
89) n-Butylbenzene	14.053	91	286171	48.998	ug/l	98
90) Hexachloroethane	14.335	117	69328	50.643	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	182956	46.114	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26301	51.063	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	91320	42.367	ug/l	98
94) Hexachlorobutadiene	15.500	225	44438	44.672	ug/l	98
95) Naphthalene	15.641	128	289411	47.143	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	92255	44.857	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

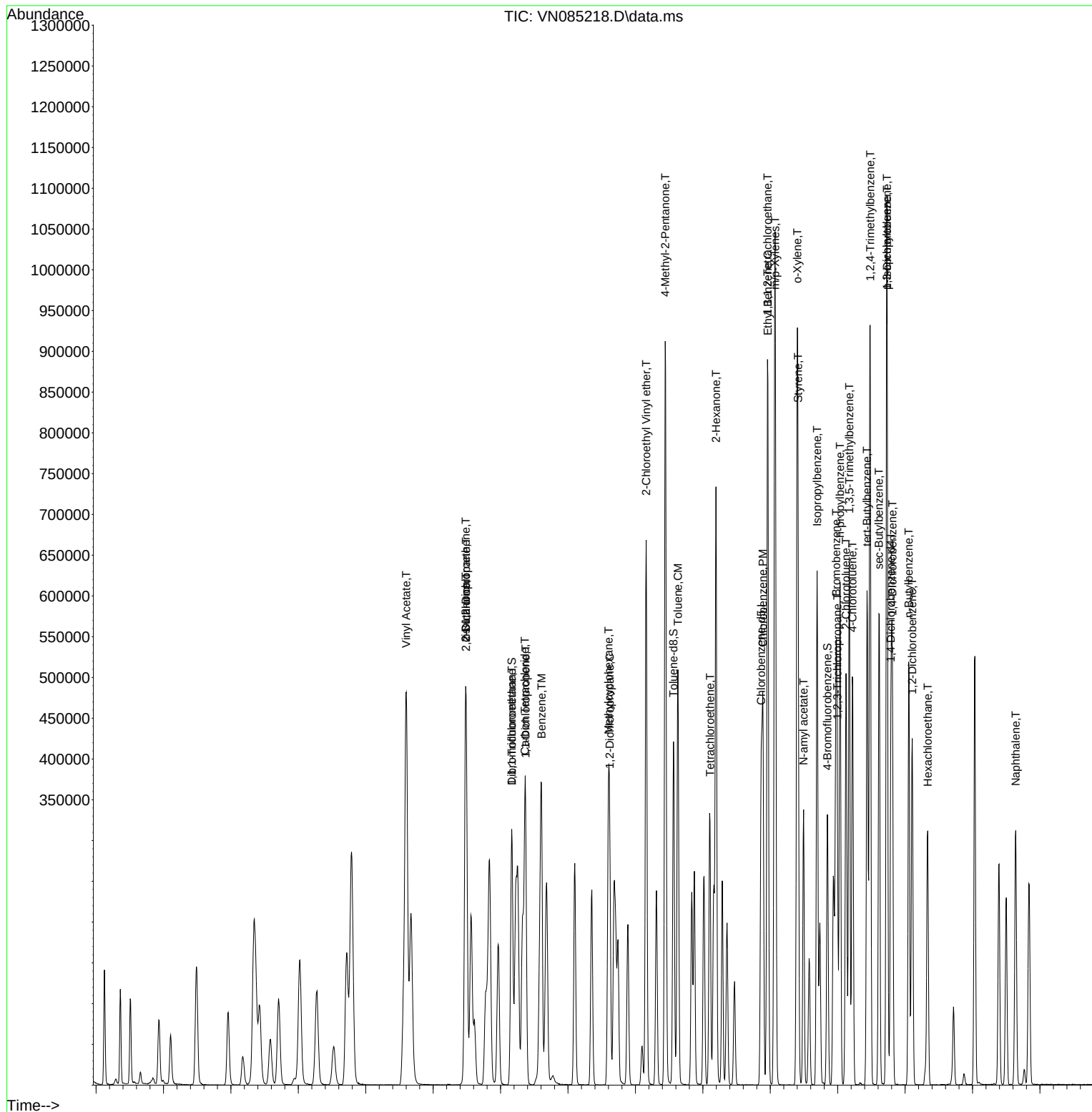
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085218.D
 Acq On : 17 Dec 2024 12:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	90	0.00
2 T	Dichlorodifluoromethane	0.565	0.772	-36.6#	124	0.00
3 P	Chloromethane	0.656	0.652	0.6	99	0.00
4 C	Vinyl Chloride	0.589	0.663	-12.6#	104	0.00
5 T	Bromomethane	0.330	0.408	-23.6	118	0.04
6 T	Chloroethane	0.397	0.422	-6.3	101	0.04
7 T	Trichlorofluoromethane	1.002	1.128	-12.6	105	0.03
8 T	Diethyl Ether	0.341	0.350	-2.6	90	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.569	0.607	-6.7	99	0.01
10 T	Methyl Iodide	0.753	0.663	12.0	80	0.01
11 T	Tert butyl alcohol	0.095	0.112	-17.9	112	-0.02
12 CM	1,1-Dichloroethene	0.531	0.562	-5.8#	97	0.02
13 T	Acrolein	0.064	0.061	4.7	79	0.01
14 T	Allyl chloride	0.895	0.770	14.0	78	0.01
15 T	Acrylonitrile	0.269	0.293	-8.9	100	0.00
16 T	Acetone	0.207	0.241	-16.4	107	0.00
17 T	Carbon Disulfide	1.566	1.673	-6.8	102	0.01
18 T	Methyl Acetate	0.804	0.705	12.3	97	0.00
19 T	Methyl tert-butyl Ether	1.734	1.843	-6.3	94	0.00
20 T	Methylene Chloride	0.633	0.642	-1.4	98	0.01
21 T	trans-1,2-Dichloroethene	0.558	0.593	-6.3	96	0.01
22 T	Diisopropyl ether	1.801	1.772	1.6	90	0.00
23 T	Vinyl Acetate	1.242	1.359	-9.4	95	0.00
24 P	1,1-Dichloroethane	1.078	1.084	-0.6	93	0.01
25 T	2-Butanone	0.339	0.374	-10.3	102	0.00
26 T	2,2-Dichloropropane	1.006	0.977	2.9	89	0.00
27 T	cis-1,2-Dichloroethene	0.673	0.671	0.3	92	0.00
28 T	Bromochloromethane	0.407	0.390	4.2	89	0.00
29 T	Tetrahydrofuran	0.211	0.254	-20.4	107	0.00
30 C	Chloroform	1.146	1.172	-2.3#	96	0.00
31 T	Cyclohexane	0.949	0.905	4.6	92	0.00
32 T	1,1,1-Trichloroethane	1.036	1.092	-5.4	97	0.00
33 S	1,2-Dichloroethane-d4	0.712	0.698	2.0	89	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35 S	Dibromofluoromethane	0.337	0.372	-10.4	92	0.00
36 T	1,1-Dichloropropene	0.457	0.511	-11.8	95	0.00
37 T	Ethyl Acetate	0.415	0.509	-22.7	107	0.00
38 T	Carbon Tetrachloride	0.527	0.624	-18.4	98	0.00
39 T	Methylcyclohexane	0.475	0.540	-13.7	90	0.00
40 TM	Benzene	1.444	1.594	-10.4	94	0.00
41 T	Methacrylonitrile	0.230	0.253	-10.0	93	0.00
42 TM	1,2-Dichloroethane	0.494	0.554	-12.1	97	0.00
43 T	Isopropyl Acetate	0.862	0.832	3.5	93	0.00
44 TM	Trichloroethene	0.336	0.372	-10.7	96	0.00
45 C	1,2-Dichloropropane	0.356	0.378	-6.2#	91	0.00
46 T	Dibromomethane	0.247	0.287	-16.2	99	0.00
47 T	Bromodichloromethane	0.524	0.592	-13.0	95	0.00
48 T	Methyl methacrylate	0.321	0.398	-24.0	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085218.D
 Acq On : 17 Dec 2024 12:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.006	0.008	-33.3#	114	0.00
50 S	Toluene-d8	1.208	1.254	-3.8	85	0.00
51 T	4-Methyl-2-Pentanone	0.394	0.516	-31.0#	107	0.00
52 CM	Toluene	0.855	1.008	-17.9#	96	0.00
53 T	t-1,3-Dichloropropene	0.525	0.585	-11.4	90	0.00
54 T	cis-1,3-Dichloropropene	0.557	0.621	-11.5	91	0.00
55 T	1,1,2-Trichloroethane	0.319	0.377	-18.2	99	0.00
56 T	Ethyl methacrylate	0.465	0.603	-29.7#	98	0.00
57 T	1,3-Dichloropropane	0.561	0.639	-13.9	96	0.00
58 T	2-Chloroethyl Vinyl ether	0.228	0.255	-11.8	79	0.00
59 T	2-Hexanone	0.295	0.384	-30.2#	103	0.00
60 T	Dibromochloromethane	0.389	0.473	-21.6	103	0.00
61 T	1,2-Dibromoethane	0.330	0.386	-17.0	99	0.00
62 S	4-Bromofluorobenzene	0.452	0.501	-10.8	90	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	90	0.00
64 T	Tetrachloroethene	0.337	0.376	-11.6	103	0.00
65 PM	Chlorobenzene	1.134	1.180	-4.1	97	0.00
66 T	1,1,1,2-Tetrachloroethane	0.399	0.445	-11.5	100	0.00
67 C	Ethyl Benzene	1.840	2.098	-14.0#	97	0.00
68 T	m/p-Xylenes	0.700	0.818	-16.9	100	0.00
69 T	o-Xylene	0.666	0.770	-15.6	98	0.00
70 T	Styrene	1.108	1.338	-20.8	100	0.00
71 P	Bromoform	0.296	0.362	-22.3	105	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.527	3.699	-4.9	98	0.00
74 T	N-amyl acetate	1.454	1.521	-4.6	95	0.00
75 P	1,1,2,2-Tetrachloroethane	1.204	1.150	4.5	101	0.00
76 T	1,2,3-Trichloropropane	0.909	0.965	-6.2	103	0.00
77 T	Bromobenzene	0.949	0.926	2.4	97	0.00
78 T	n-propylbenzene	4.068	4.408	-8.4	101	0.00
79 T	2-Chlorotoluene	2.716	2.705	0.4	98	0.00
80 T	1,3,5-Trimethylbenzene	2.960	3.293	-11.3	101	0.00
81 T	trans-1,4-Dichloro-2-butene	0.412	0.406	1.5	96	0.00
82 T	4-Chlorotoluene	2.827	2.815	0.4	98	0.00
83 T	tert-Butylbenzene	2.547	2.713	-6.5	100	0.00
84 T	1,2,4-Trimethylbenzene	3.047	3.284	-7.8	98	0.00
85 T	sec-Butylbenzene	3.440	3.712	-7.9	98	0.00
86 T	p-Isopropyltoluene	2.840	3.151	-11.0	98	0.00
87 T	1,3-Dichlorobenzene	1.872	1.753	6.4	99	0.00
88 T	1,4-Dichlorobenzene	1.911	1.731	9.4	95	0.00
89 T	n-Butylbenzene	2.641	2.588	2.0	94	0.00
90 T	Hexachloroethane	0.619	0.627	-1.3	100	0.00
91 T	1,2-Dichlorobenzene	1.794	1.655	7.7	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.238	-2.1	105	0.00
93 T	1,2,4-Trichlorobenzene	0.975	0.826	15.3	88	0.00
94 T	Hexachlorobutadiene	0.450	0.402	10.7	96	0.00
95 T	Naphthalene	2.776	2.617	5.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.930	0.834	10.3	90	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085218.D
 Acq On : 17 Dec 2024 12:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	90	0.00
2 T	Dichlorodifluoromethane	50.000	68.246	-36.5#	124	0.00
3 P	Chloromethane	50.000	49.688	0.6	99	0.00
4 C	Vinyl Chloride	50.000	56.218	-12.4#	104	0.00
5 T	Bromomethane	50.000	61.827	-23.7	118	0.04
6 T	Chloroethane	50.000	53.149	-6.3	101	0.04
7 T	Trichlorofluoromethane	50.000	56.269	-12.5	105	0.03
8 T	Diethyl Ether	50.000	51.273	-2.5	90	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.379	-6.8	99	0.01
10 T	Methyl Iodide	50.000	44.047	11.9	80	0.01
11 T	Tert butyl alcohol	250.000	293.521	-17.4	112	-0.02
12 CM	1,1-Dichloroethene	50.000	52.990	-6.0#	97	0.02
13 T	Acrolein	250.000	241.593	3.4	79	0.01
14 T	Allyl chloride	50.000	43.012	14.0	78	0.01
15 T	Acrylonitrile	250.000	271.863	-8.7	100	0.00
16 T	Acetone	250.000	290.768	-16.3	107	0.00
17 T	Carbon Disulfide	50.000	53.404	-6.8	102	0.01
18 T	Methyl Acetate	50.000	53.249	-6.5	97	0.00
19 T	Methyl tert-butyl Ether	50.000	53.135	-6.3	94	0.00
20 T	Methylene Chloride	50.000	50.737	-1.5	98	0.01
21 T	trans-1,2-Dichloroethene	50.000	53.058	-6.1	96	0.01
22 T	Diisopropyl ether	50.000	49.210	1.6	90	0.00
23 T	Vinyl Acetate	250.000	273.527	-9.4	95	0.00
24 P	1,1-Dichloroethane	50.000	50.311	-0.6	93	0.01
25 T	2-Butanone	250.000	275.508	-10.2	102	0.00
26 T	2,2-Dichloropropane	50.000	48.530	2.9	89	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.847	0.3	92	0.00
28 T	Bromochloromethane	50.000	47.933	4.1	89	0.00
29 T	Tetrahydrofuran	250.000	300.848	-20.3	107	0.00
30 C	Chloroform	50.000	51.145	-2.3#	96	0.00
31 T	Cyclohexane	50.000	47.684	4.6	92	0.00
32 T	1,1,1-Trichloroethane	50.000	52.716	-5.4	97	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.036	1.9	89	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35 S	Dibromofluoromethane	50.000	55.119	-10.2	92	0.00
36 T	1,1-Dichloropropene	50.000	55.914	-11.8	95	0.00
37 T	Ethyl Acetate	50.000	61.334	-22.7	107	0.00
38 T	Carbon Tetrachloride	50.000	59.168	-18.3	98	0.00
39 T	Methylcyclohexane	50.000	56.852	-13.7	90	0.00
40 TM	Benzene	50.000	55.167	-10.3	94	0.00
41 T	Methacrylonitrile	50.000	55.053	-10.1	93	0.00
42 TM	1,2-Dichloroethane	50.000	56.072	-12.1	97	0.00
43 T	Isopropyl Acetate	50.000	48.208	3.6	93	0.00
44 TM	Trichloroethene	50.000	55.445	-10.9	96	0.00
45 C	1,2-Dichloropropane	50.000	53.180	-6.4#	91	0.00
46 T	Dibromomethane	50.000	58.038	-16.1	99	0.00
47 T	Bromodichloromethane	50.000	56.528	-13.1	95	0.00
48 T	Methyl methacrylate	50.000	61.949	-23.9	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085218.D
 Acq On : 17 Dec 2024 12:10
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1408.207	-40.8#	114	0.00
50 S	Toluene-d8	50.000	51.869	-3.7	85	0.00
51 T	4-Methyl-2-Pentanone	250.000	327.274	-30.9#	107	0.00
52 CM	Toluene	50.000	58.943	-17.9#	96	0.00
53 T	t-1,3-Dichloropropene	50.000	55.666	-11.3	90	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.722	-11.4	91	0.00
55 T	1,1,2-Trichloroethane	50.000	59.231	-18.5	99	0.00
56 T	Ethyl methacrylate	50.000	64.726	-29.5#	98	0.00
57 T	1,3-Dichloropropane	50.000	57.019	-14.0	96	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	279.393	-11.8	79	0.00
59 T	2-Hexanone	250.000	325.440	-30.2#	103	0.00
60 T	Dibromochloromethane	50.000	60.754	-21.5	103	0.00
61 T	1,2-Dibromoethane	50.000	58.619	-17.2	99	0.00
62 S	4-Bromofluorobenzene	50.000	55.392	-10.8	90	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	90	0.00
64 T	Tetrachloroethene	50.000	55.784	-11.6	103	0.00
65 PM	Chlorobenzene	50.000	52.012	-4.0	97	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	55.689	-11.4	100	0.00
67 C	Ethyl Benzene	50.000	57.026	-14.1#	97	0.00
68 T	m/p-Xylenes	100.000	116.751	-16.8	100	0.00
69 T	o-Xylene	50.000	57.816	-15.6	98	0.00
70 T	Styrene	50.000	60.395	-20.8	100	0.00
71 P	Bromoform	50.000	61.090	-22.2	105	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	52.439	-4.9	98	0.00
74 T	N-amyl acetate	50.000	52.322	-4.6	95	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	47.721	4.6	101	0.00
76 T	1,2,3-Trichloropropane	50.000	53.054	-6.1	103	0.00
77 T	Bromobenzene	50.000	48.763	2.5	97	0.00
78 T	n-propylbenzene	50.000	54.170	-8.3	101	0.00
79 T	2-Chlorotoluene	50.000	49.802	0.4	98	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.624	-11.2	101	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.275	1.5	96	0.00
82 T	4-Chlorotoluene	50.000	49.782	0.4	98	0.00
83 T	tert-Butylbenzene	50.000	53.256	-6.5	100	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.897	-7.8	98	0.00
85 T	sec-Butylbenzene	50.000	53.945	-7.9	98	0.00
86 T	p-Isopropyltoluene	50.000	55.471	-10.9	98	0.00
87 T	1,3-Dichlorobenzene	50.000	46.813	6.4	99	0.00
88 T	1,4-Dichlorobenzene	50.000	45.290	9.4	95	0.00
89 T	n-Butylbenzene	50.000	48.998	2.0	94	0.00
90 T	Hexachloroethane	50.000	50.643	-1.3	100	0.00
91 T	1,2-Dichlorobenzene	50.000	46.114	7.8	95	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	51.063	-2.1	105	0.00
93 T	1,2,4-Trichlorobenzene	50.000	42.367	15.3	88	0.00
94 T	Hexachlorobutadiene	50.000	44.672	10.7	96	0.00
95 T	Naphthalene	50.000	47.143	5.7	89	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085218.D
Acq On : 17 Dec 2024 12:10
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 18 00:21:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.857	10.3	90	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



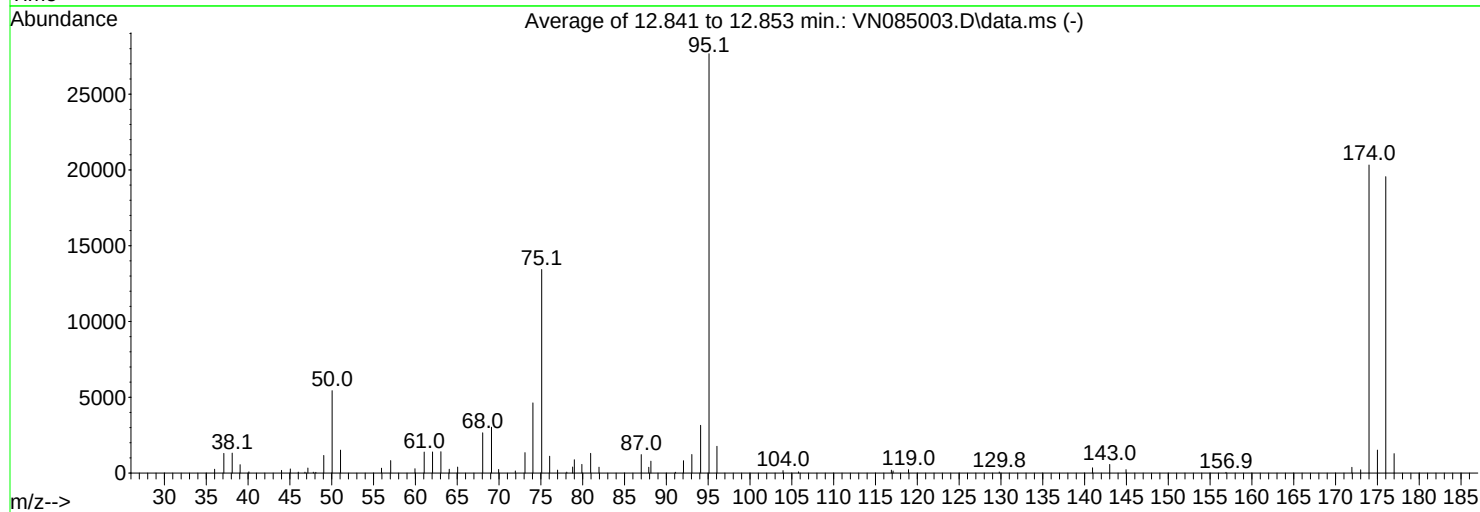
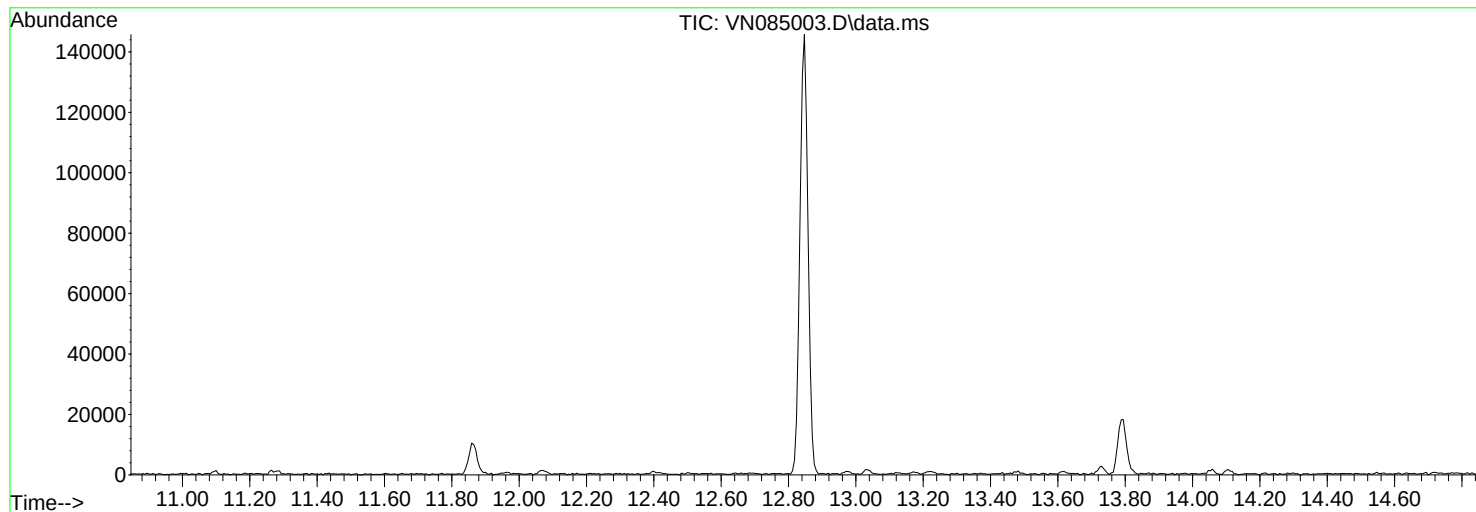
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085003.D
Acq On : 22 Nov 2024 09:29
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	5439	PASS
75	95	30	60	48.5	13431	PASS
95	95	100	100	100.0	27667	PASS
96	95	5	9	6.4	1766	PASS
173	174	0.00	2	1.1	216	PASS
174	95	50	100	73.5	20325	PASS
175	174	5	9	7.5	1518	PASS
176	174	95	101	96.2	19555	PASS
177	176	5	9	6.6	1282	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	254	48.10	51	65.05	396	78.80	399
37.10	1298	49.05	1163	68.05	2657	79.00	882
38.10	1317	50.05	5439	69.10	3028	79.90	572
39.05	554	51.05	1513	69.95	237	80.95	1301
40.10	84	55.95	322	71.95	141	81.95	389
44.00	176	57.05	824	73.10	1348	87.00	1219
45.05	272	59.95	289	74.05	4631	87.90	383
46.00	62	61.05	1386	75.10	13431	88.15	786
46.80	61	62.05	1393	76.05	1113	91.10	54
47.15	333	63.05	1409	77.00	195	92.05	818
47.80	59	64.05	255	78.10	63	93.05	1225

Average of 12.841 to 12.853 min.: VN085003.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.10	3150	144.95	229				
95.10	27667	156.90	50				
96.05	1766	171.95	381				
103.95	166	173.00	216				
105.80	83	174.00	20325				
116.90	194	175.00	1518				
117.10	139	176.00	19555				
118.95	227	177.00	1282				
129.80	74						
140.95	348						
143.00	571						

Instrument :

MSVOA_N

ClientSampleId :

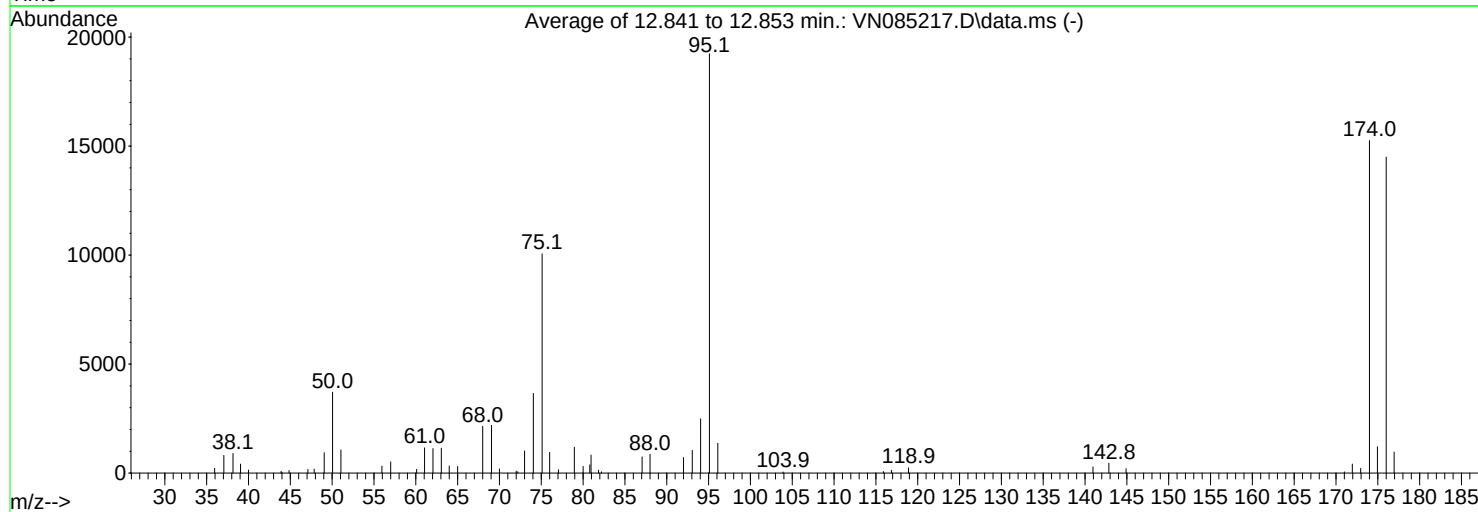
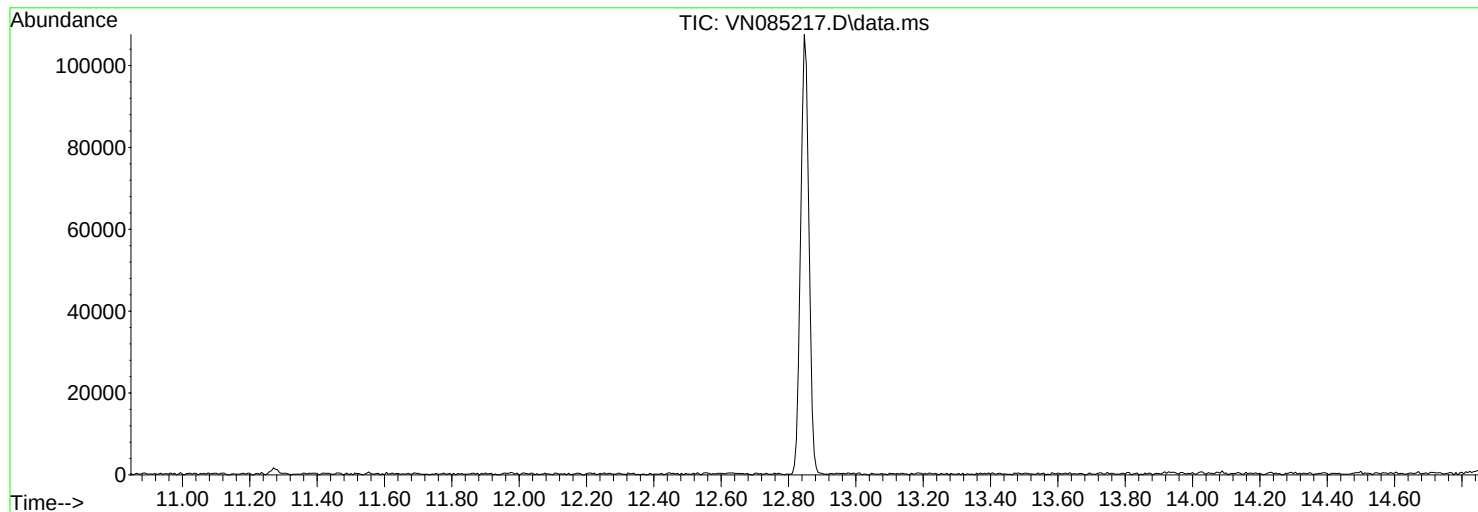
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085217.D
Acq On : 17 Dec 2024 11:36
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Title : SW846 8260
Last Update : Sat Nov 23 02:54:10 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	3708	PASS
75	95	30	60	52.3	10056	PASS
95	95	100	100	100.0	19237	PASS
96	95	5	9	7.1	1368	PASS
173	174	0.00	2	1.4	213	PASS
174	95	50	100	79.3	15256	PASS
175	174	5	9	7.9	1207	PASS
176	174	95	101	95.0	14496	PASS
177	176	5	9	6.7	964	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	219	50.05	3708	69.05	2191	80.80	377
37.05	813	51.05	1062	70.00	192	80.95	829
38.15	901	55.95	320	72.00	94	81.85	136
39.05	411	57.00	516	72.20	61	82.20	60
40.00	142	60.10	171	73.00	1018	87.05	741
43.90	87	61.05	1158	74.05	3656	88.00	868
44.00	30	62.05	1125	75.10	10056	92.00	711
44.85	118	63.05	1141	76.00	950	93.05	1044
47.10	167	64.00	325	77.05	152	94.05	2489
47.85	186	65.00	305	78.95	1188	95.10	19237
49.05	936	68.00	2144	80.00	307	96.10	1368

Average of 12.841 to 12.853 min.: VN085217.D\data.ms

BFB

Modified:subtracted

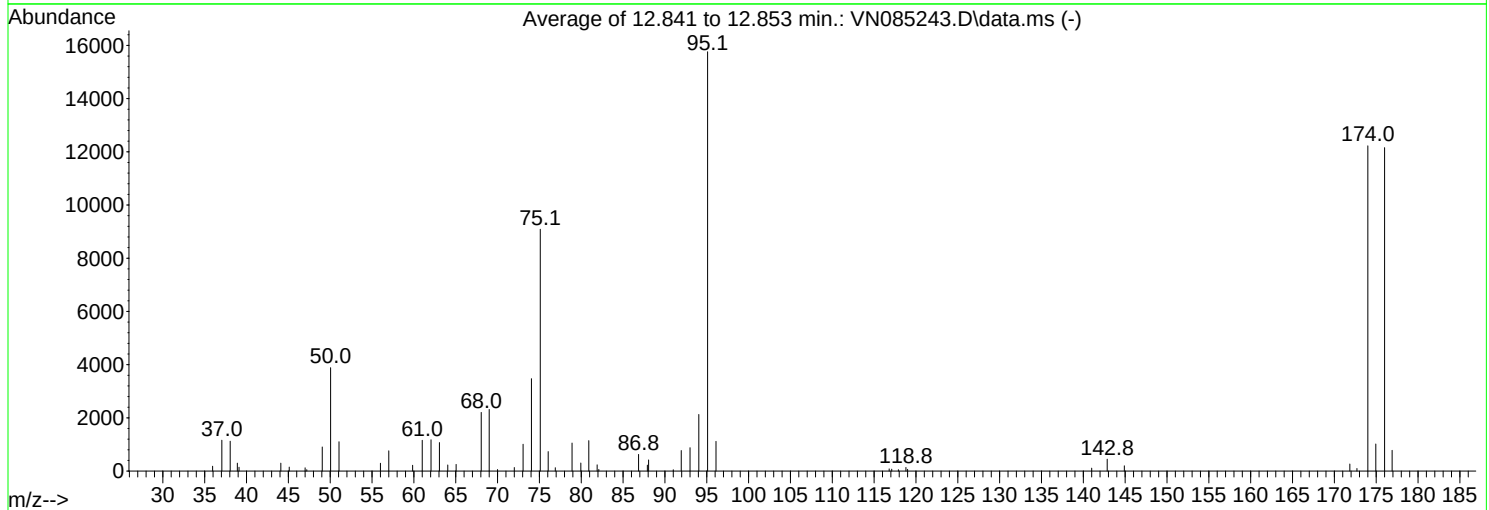
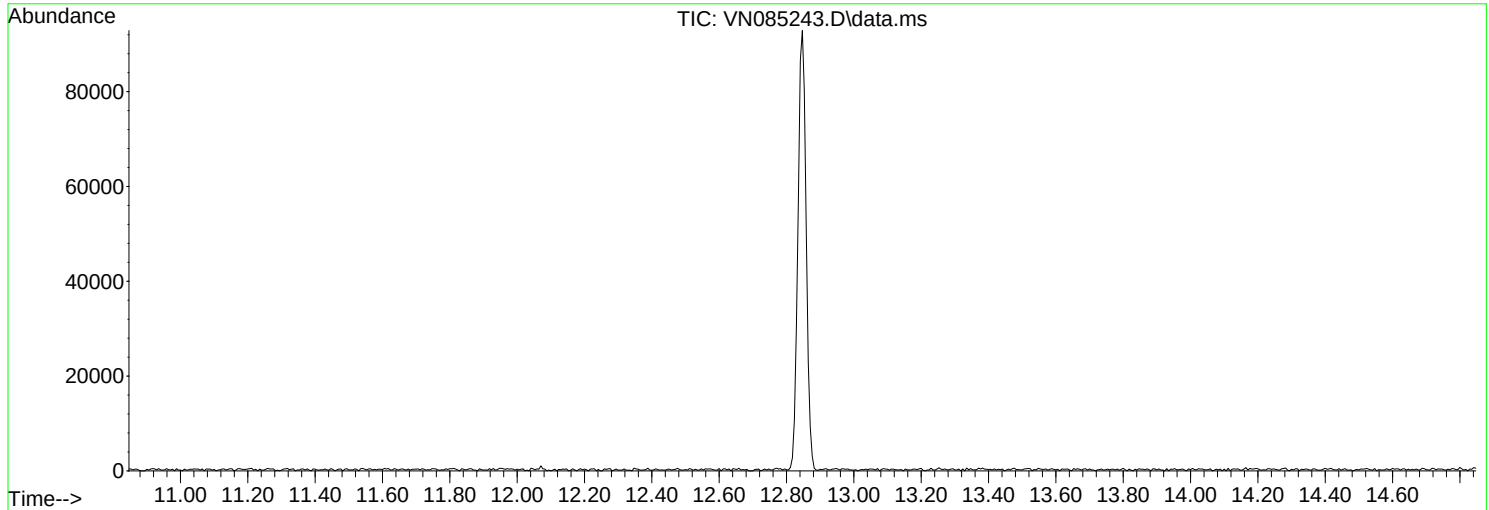
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.90	52	174.95	1207				
115.90	71	176.00	14496				
116.85	130	176.95	964				
118.90	238						
140.95	286						
142.85	453						
144.90	208						
171.00	55						
171.95	413						
172.95	213						
174.00	15256						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085243.D
Acq On : 18 Dec 2024 08:37
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Title : SW846 8260
Last Update : Thu Dec 19 06:31:00 2024



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1844

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.7	3887	PASS
75	95	30	60	57.7	9090	PASS
95	95	100	100	100.0	15762	PASS
96	95	5	9	7.1	1117	PASS
173	174	0.00	2	0.8	97	PASS
174	95	50	100	77.6	12225	PASS
175	174	5	9	8.3	1018	PASS
176	174	95	101	99.4	12157	PASS
177	176	5	9	6.4	780	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	183	51.05	1103	70.00	57	82.10	62
37.05	1160	56.00	295	72.00	134	86.85	627
38.05	1122	57.00	762	73.05	1008	87.90	225
38.90	298	59.85	218	74.05	3473	88.05	418
39.10	144	61.00	1157	75.10	9090	91.00	50
44.10	297	62.05	1176	76.05	733	91.95	772
45.10	149	63.05	1071	76.90	126	93.00	879
47.00	123	64.05	229	78.90	1054	94.05	2127
47.20	52	65.05	250	79.95	303	95.10	15762
49.05	906	68.05	2205	80.90	1144	96.10	1117
50.05	3887	69.00	2317	81.90	235	116.80	83

Average of 12.841 to 12.853 min.: VN085243.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
117.10	72	176.00	12157				
117.90	53	176.90	780				
118.80	138						
119.00	65						
141.00	111						
142.85	447						
144.90	198						
171.85	266						
172.70	97						
174.00	12225						
174.95	1018						

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	
Client Sample ID:	VN1217WBL01	SDG No.:	P5291
Lab Sample ID:	VN1217WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085220.D	1		12/17/24 13:08	VN121724

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
75-35-4	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
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	
Client Sample ID:	VN1217WBL01			SDG No.:	P5291
Lab Sample ID:	VN1217WBL01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085220.D	1		12/17/24 13:08	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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	52.0		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.0		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.6		77 - 121	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	142000	8.224			
540-36-3	1,4-Difluorobenzene	246000	9.1			
3114-55-4	Chlorobenzene-d5	213000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	80400	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	
Client Sample ID:	VN1217WBL01	SDG No.:	P5291
Lab Sample ID:	VN1217WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085220.D	1		12/17/24 13:08	VN121724

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085220.D
 Acq On : 17 Dec 2024 13:08
 Operator : JC\MD
 Sample : VN1217WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBL01

Quant Time: Dec 18 00:23:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	142158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	245850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	212586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	80399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	105366	52.034	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	104.060%	
35) Dibromofluoromethane	8.165	113	86248	52.022	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	104.040%	
50) Toluene-d8	10.565	98	291375	49.040	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	98.080%	
62) 4-Bromofluorobenzene	12.847	95	92337	41.556	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	83.120%	

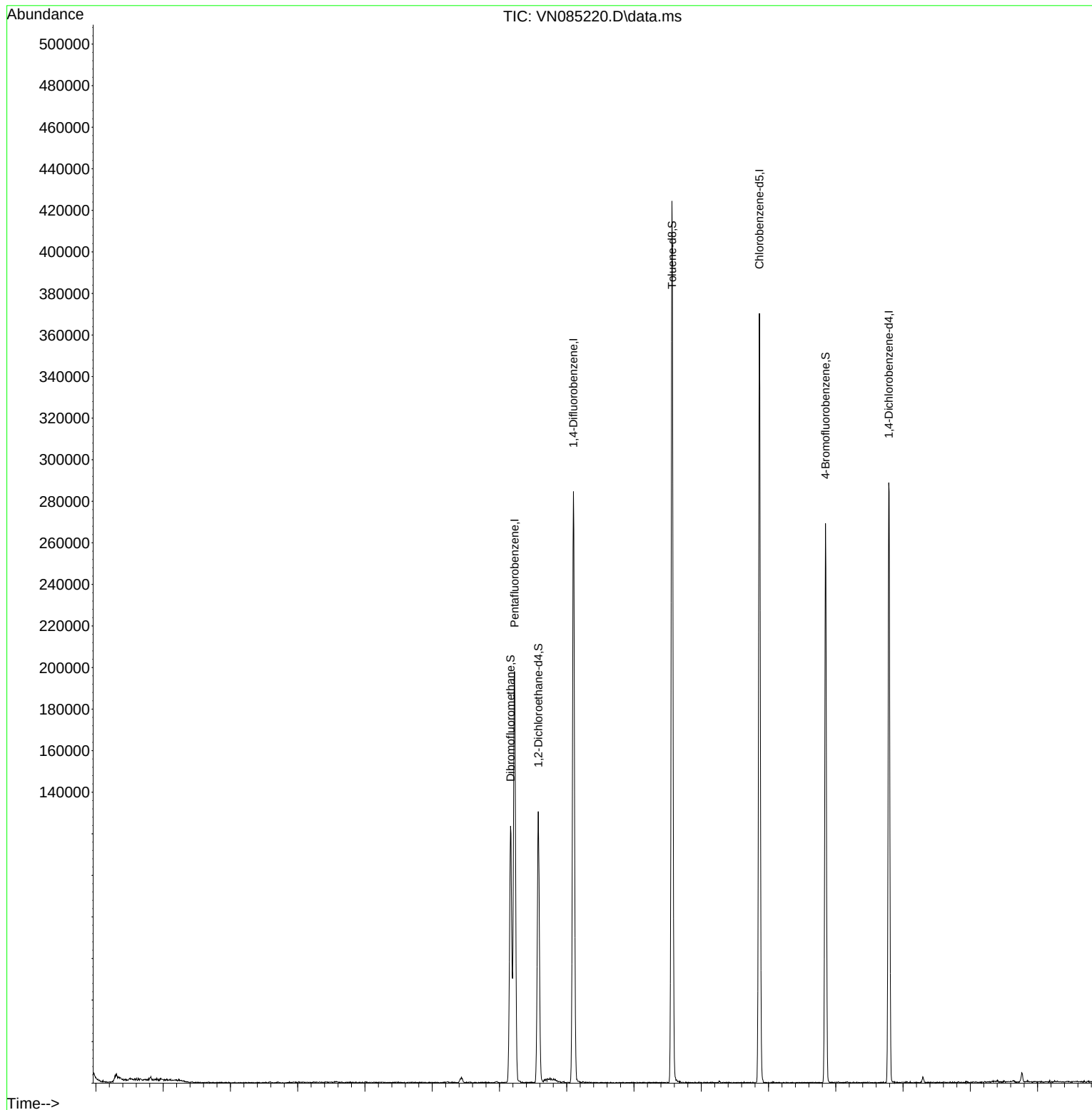
Target Compounds Qvalue

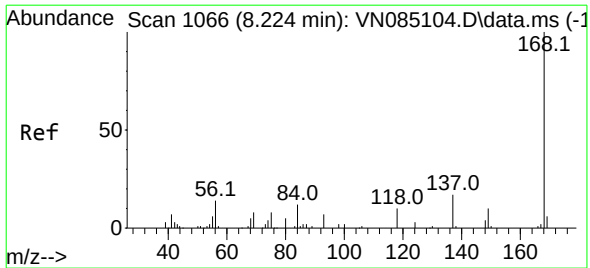
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085220.D
Acq On : 17 Dec 2024 13:08
Operator : JC\MD
Sample : VN1217WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

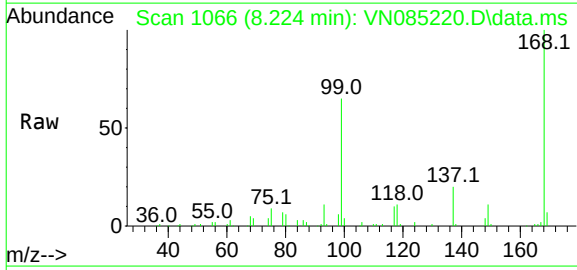
Quant Time: Dec 18 00:23:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



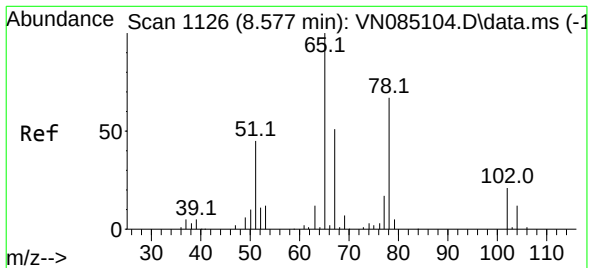
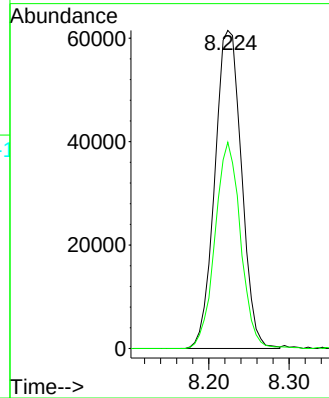
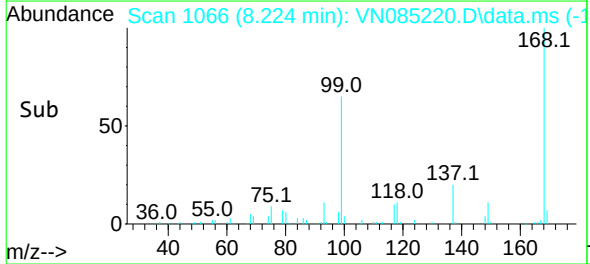


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

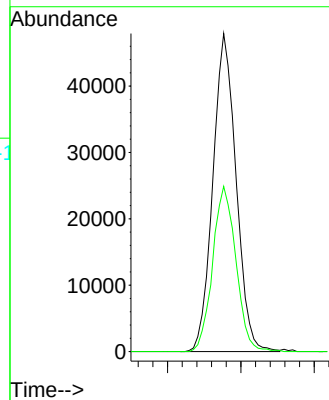
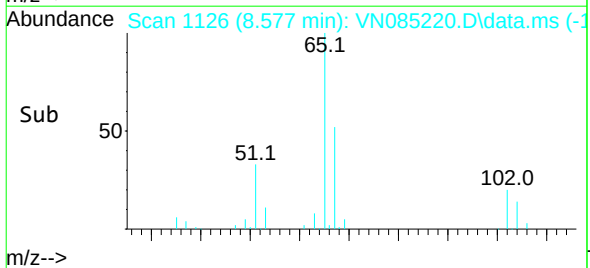
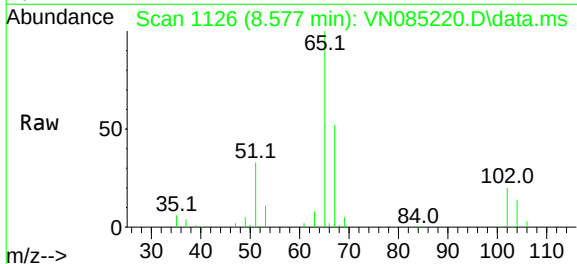


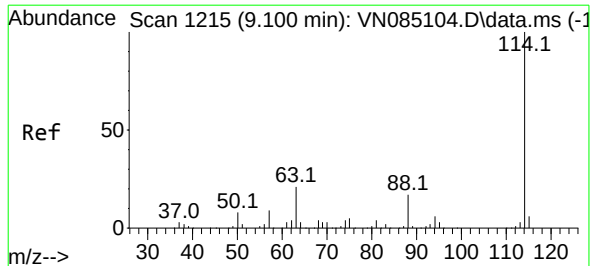
Tgt Ion:168 Resp: 142158
Ion Ratio Lower Upper
168 100
99 64.8 51.2 76.8



#33
1,2-Dichloroethane-d4
Concen: 52.034 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

Tgt Ion: 65 Resp: 105366
Ion Ratio Lower Upper
65 100
67 52.1 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN085220.D

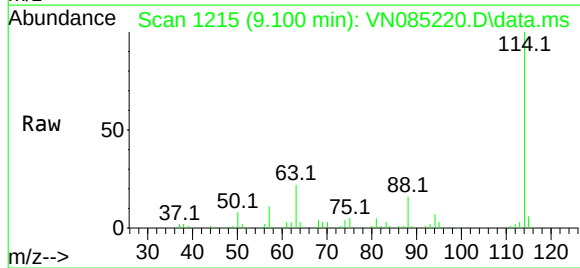
Acq: 17 Dec 2024 13:08

Instrument :

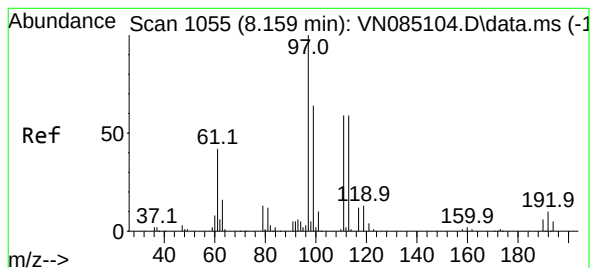
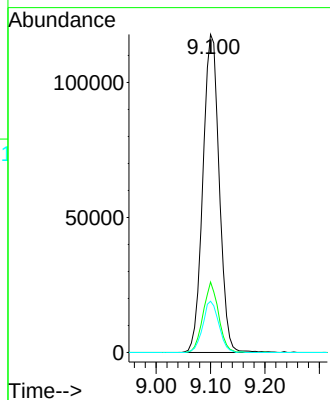
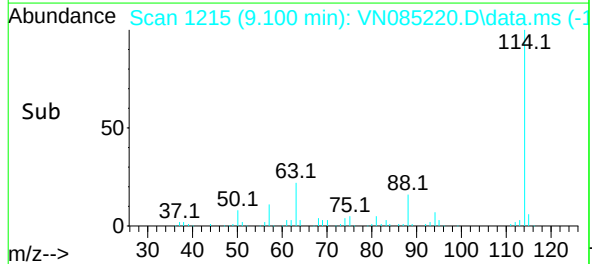
MSVOA_N

ClientSampleId :

VN1217WBL01



Tgt Ion:	114	Resp:	245850
Ion Ratio	Lower	Upper	
114	100		
63	22.1	0.0	41.0
88	16.1	0.0	34.8



#35

Dibromofluoromethane

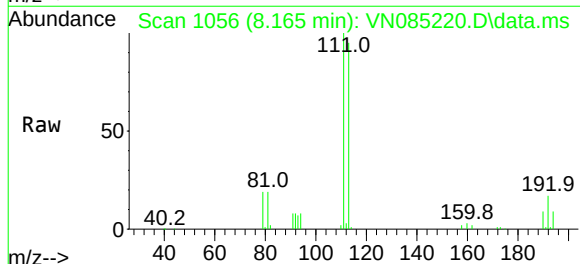
Concen: 52.022 ug/l

RT: 8.165 min Scan# 1056

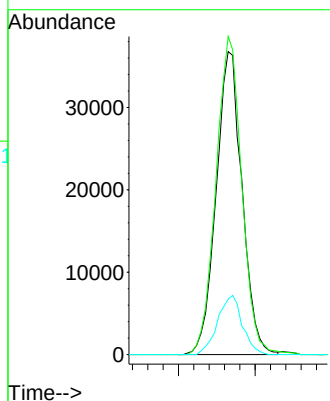
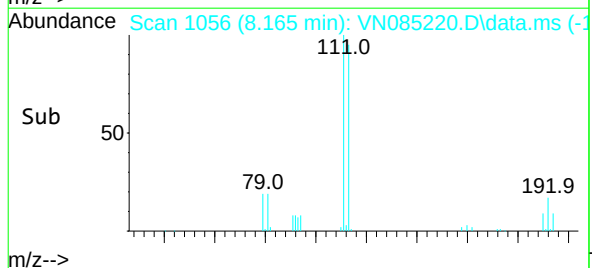
Delta R.T. 0.006 min

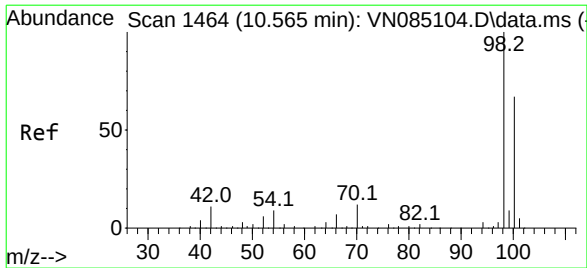
Lab File: VN085220.D

Acq: 17 Dec 2024 13:08



Tgt Ion:	113	Resp:	86248
Ion Ratio	Lower	Upper	
113	100		
111	104.9	82.0	123.0
192	18.6	14.8	22.2





#50

Toluene-d8

Concen: 49.040 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085220.D

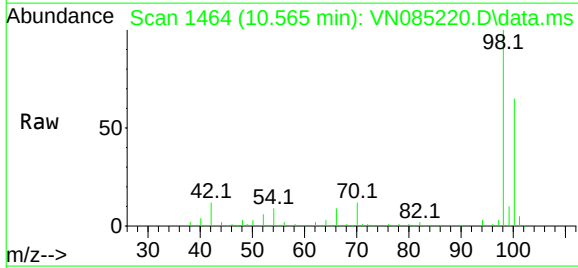
Acq: 17 Dec 2024 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

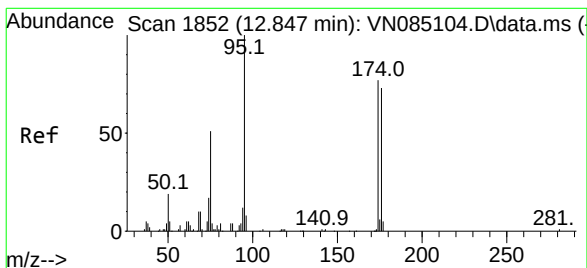
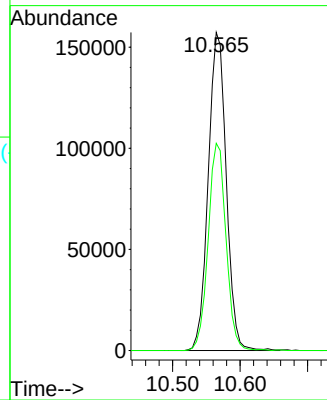
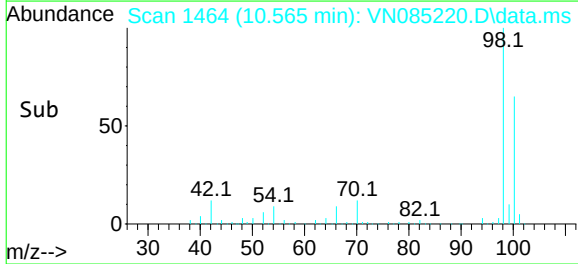


Tgt Ion: 98 Resp: 291375

Ion Ratio Lower Upper

98 100

100 64.6 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 41.556 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085220.D

Acq: 17 Dec 2024 13:08

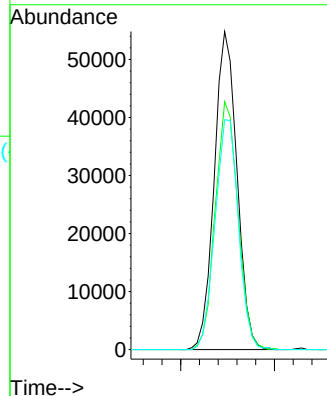
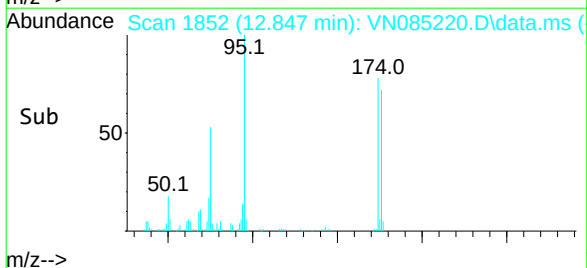
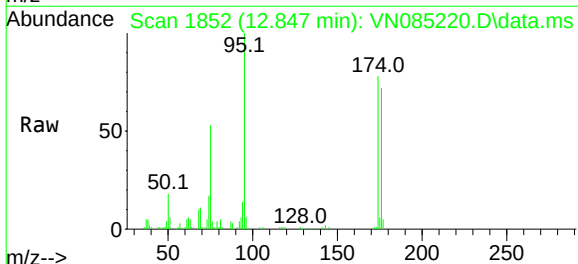
Tgt Ion: 95 Resp: 92337

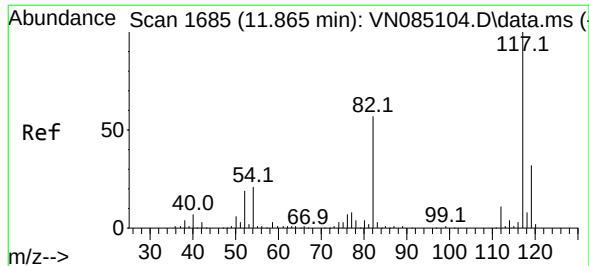
Ion Ratio Lower Upper

95 100

174 78.1 0.0 146.6

176 74.4 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VN085220.D

Acq: 17 Dec 2024 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

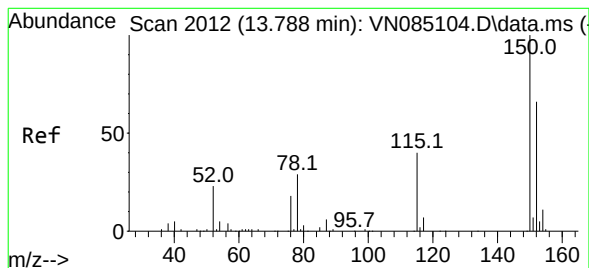
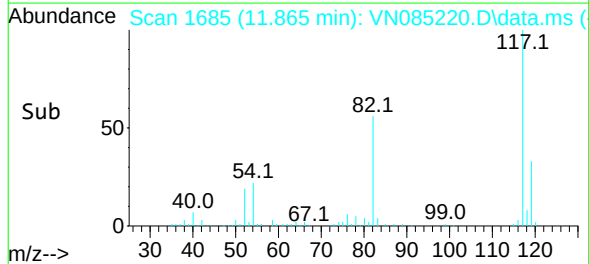
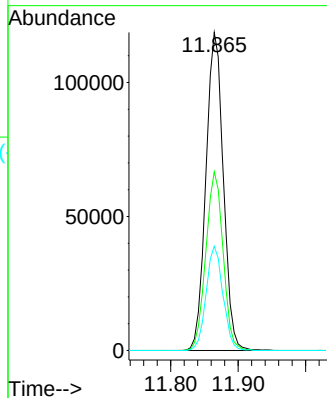
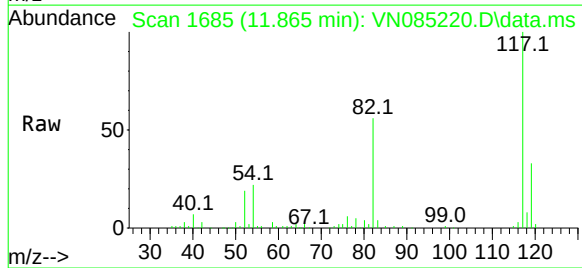
Tgt Ion:117 Resp: 212586

Ion Ratio Lower Upper

117 100

82 56.2 46.0 69.0

119 32.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN085220.D

Acq: 17 Dec 2024 13:08

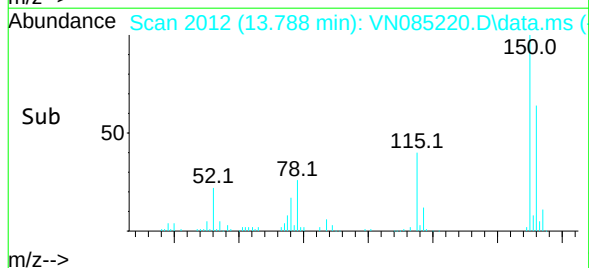
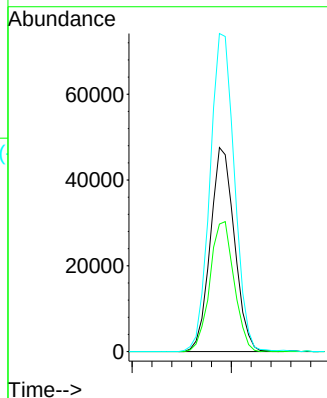
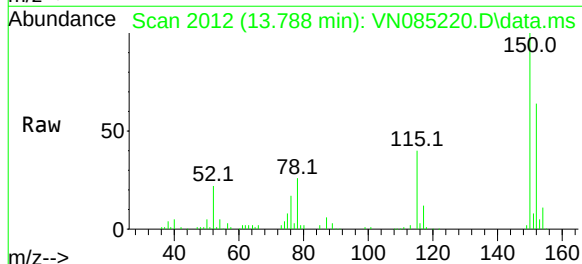
Tgt Ion:152 Resp: 80399

Ion Ratio Lower Upper

152 100

115 63.8 31.7 95.1

150 158.7 0.0 351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085220.D
Acq On : 17 Dec 2024 13:08
Operator : JC\MD
Sample : VN1217WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M

Title : SW846 8260

Signal : TIC: VN085220.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.306	51	60	63	rBV2	3911	10171	1.32%	0.255%
2	8.165	1046	1056	1061	rBV2	123325	293658	37.98%	7.352%
3	8.224	1061	1066	1077	rVB	197251	434968	56.25%	10.890%
4	8.577	1116	1126	1139	rBV	130563	286297	37.03%	7.168%
5	9.100	1206	1215	1223	rBV	284700	584380	75.58%	14.630%
6	10.565	1454	1464	1474	rBV	424452	773219	100.00%	19.358%
7	11.865	1677	1685	1697	rVB	370251	655103	84.72%	16.401%
8	12.847	1844	1852	1864	rVB	269167	453719	58.68%	11.359%
9	13.788	2005	2012	2022	rBV	288692	494355	63.93%	12.376%
10	15.764	2342	2348	2355	rBV2	4633	8443	1.09%	0.211%

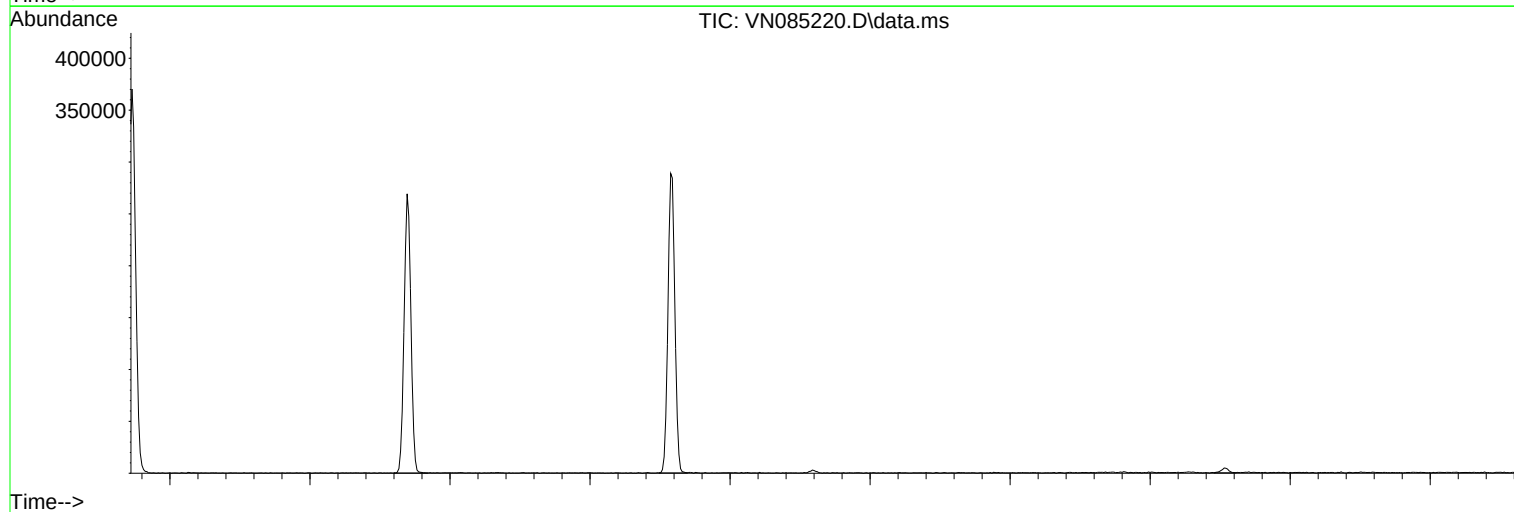
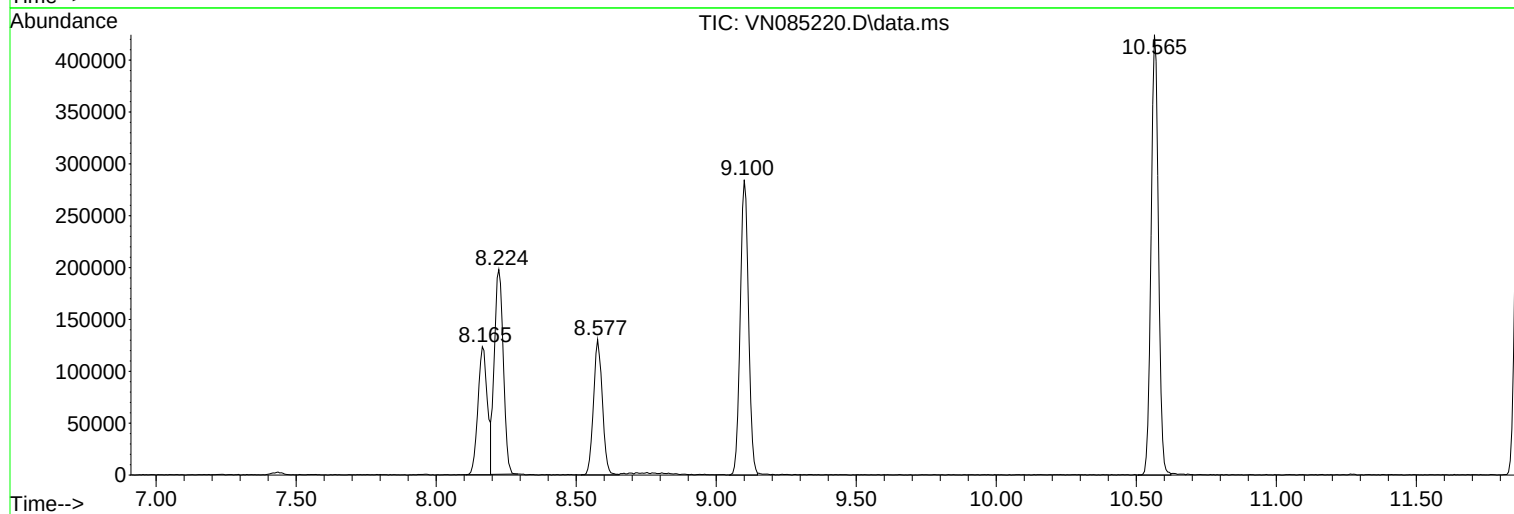
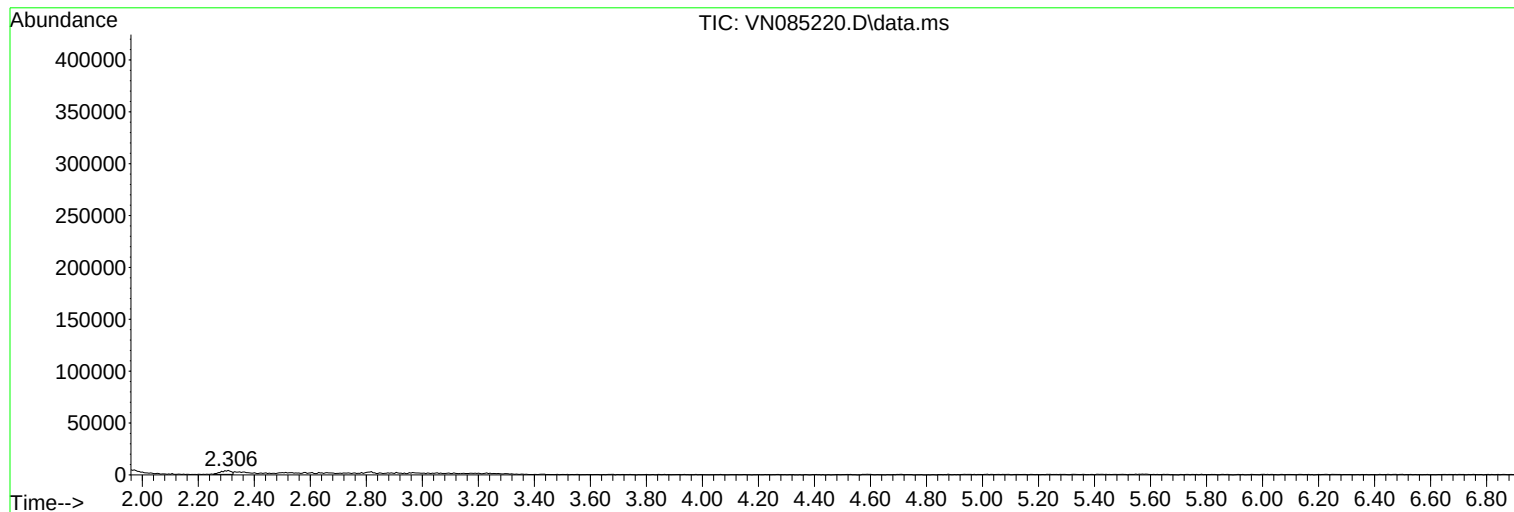
Sum of corrected areas: 3994313

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085220.D
Acq On : 17 Dec 2024 13:08
Operator : JC\MD
Sample : VN1217WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085220.D
Acq On : 17 Dec 2024 13:08
Operator : JC\MD
Sample : VN1217WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085220.D
Acq On : 17 Dec 2024 13:08
Operator : JC\MD
Sample : VN1217WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	
Client Sample ID:	VN1218WBL01		SDG No.:	P5291
Lab Sample ID:	VN1218WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085254.D	1		12/18/24 16:26	VN121824

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
75-35-4	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
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	
Client Sample ID:	VN1218WBL01		SDG No.:	P5291
Lab Sample ID:	VN1218WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085254.D	1		12/18/24 16:26	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	48.3		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		77 - 121	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	94700	8.224			
540-36-3	1,4-Difluorobenzene	170000	9.1			
3114-55-4	Chlorobenzene-d5	151000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	59100	13.794			

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	
Client Sample ID:	VN1218WBL01	SDG No.:	P5291
Lab Sample ID:	VN1218WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085254.D	1		12/18/24 16:26	VN121824

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085254.D
Acq On : 18 Dec 2024 16:26
Operator : JC\MD
Sample : VN1218WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBL01

Quant Time: Dec 19 06:45:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	94664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	169703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	150910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	59088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	84902	51.313	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	102.620%	
35) Dibromofluoromethane	8.165	113	61482	51.531	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	103.060%	
50) Toluene-d8	10.565	98	210506	48.273	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	96.540%	
62) 4-Bromofluorobenzene	12.847	95	68890	44.230	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	88.460%	

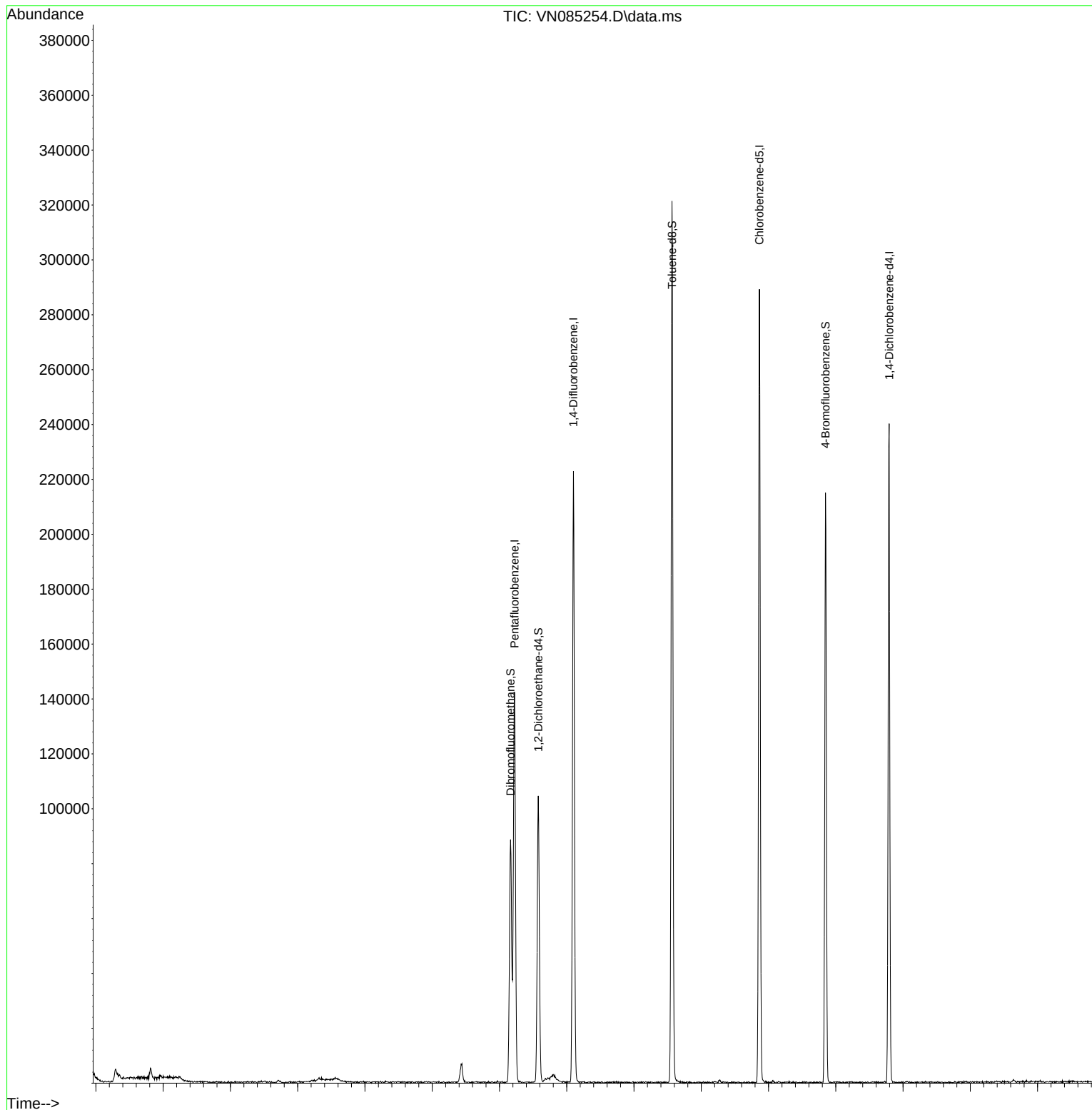
Target Compounds	Qvalue

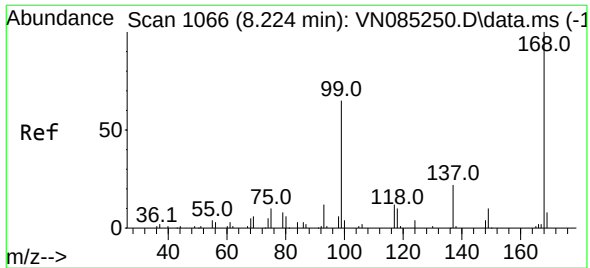
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085254.D
Acq On : 18 Dec 2024 16:26
Operator : JC\MD
Sample : VN1218WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBL01

Quant Time: Dec 19 06:45:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration

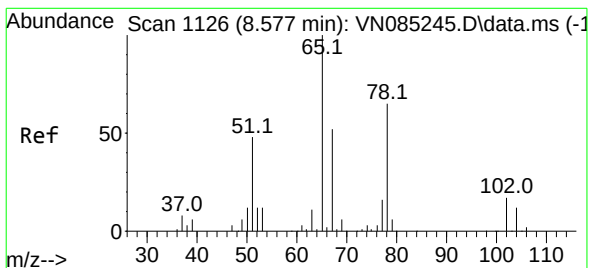
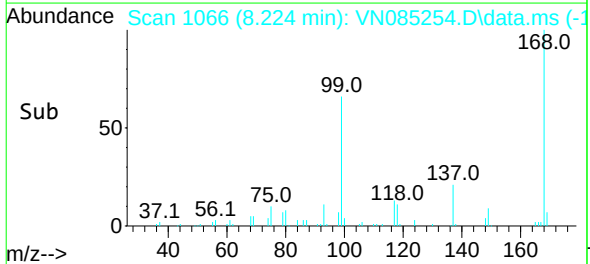
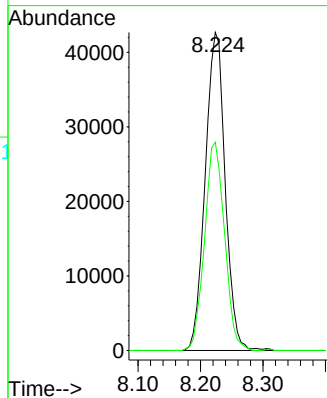
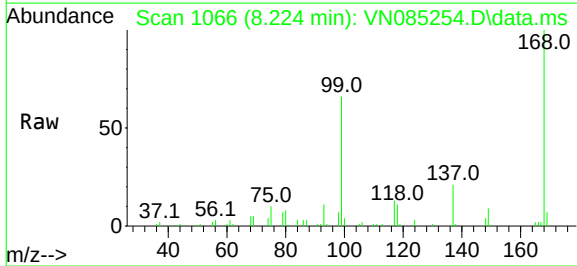




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085254.D
Acq: 18 Dec 2024 16:26

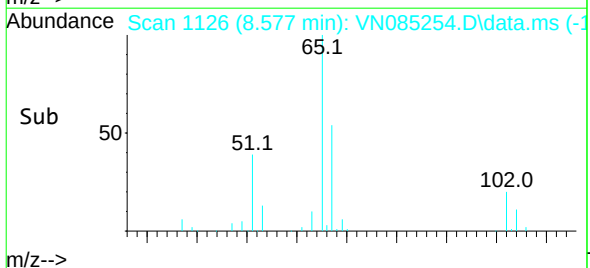
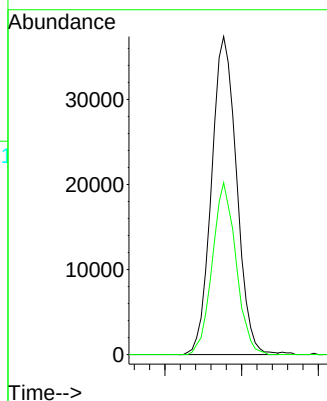
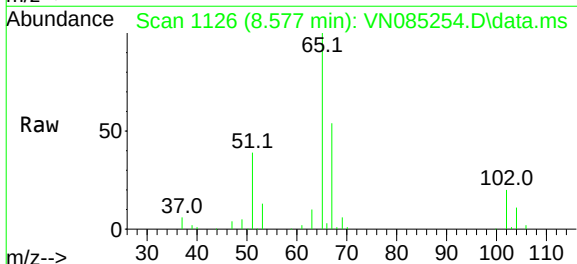
Instrument :
MSVOA_N
ClientSampleId :
VN1218WBL01

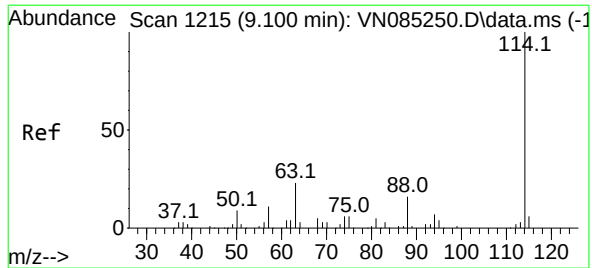
Tgt Ion:168 Resp: 94664
Ion Ratio Lower Upper
168 100
99 65.5 50.7 76.1



#33
1,2-Dichloroethane-d4
Concen: 51.313 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085254.D
Acq: 18 Dec 2024 16:26

Tgt Ion: 65 Resp: 84902
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN085254.D

Acq: 18 Dec 2024 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBL01

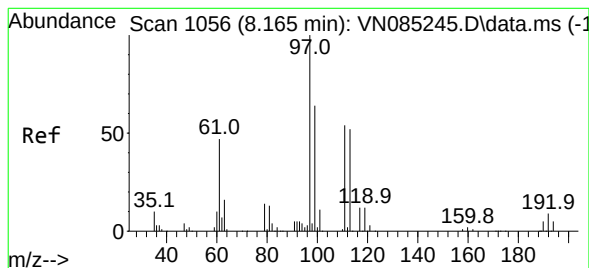
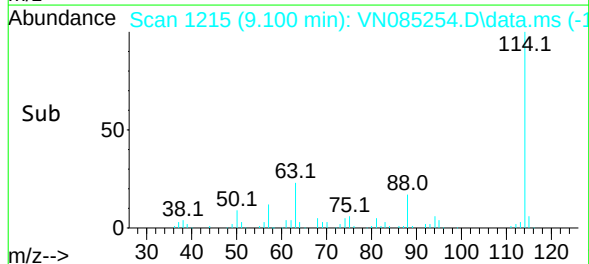
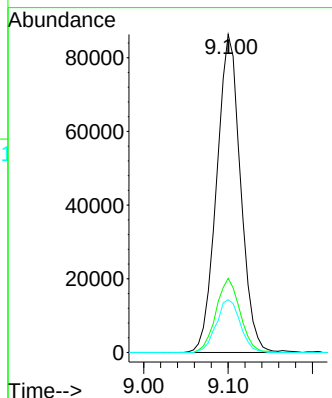
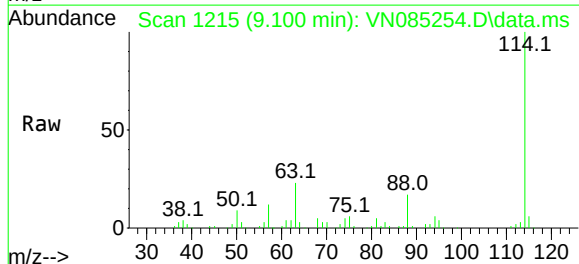
Tgt Ion:114 Resp: 169703

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.2

88 16.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.531 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN085254.D

Acq: 18 Dec 2024 16:26

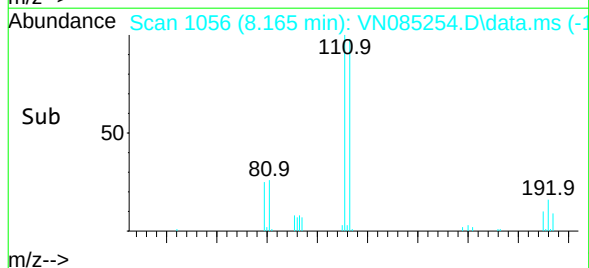
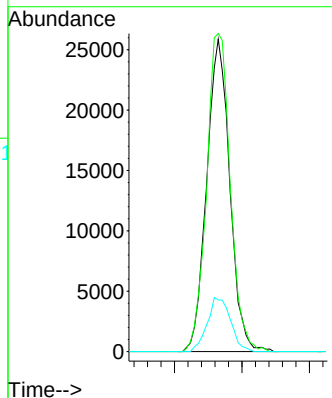
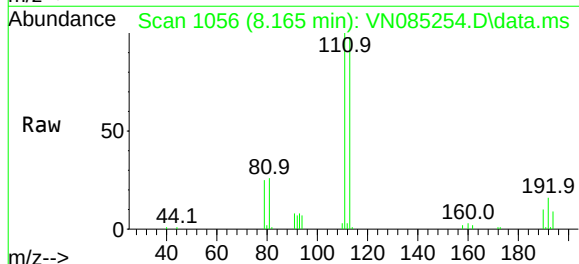
Tgt Ion:113 Resp: 61482

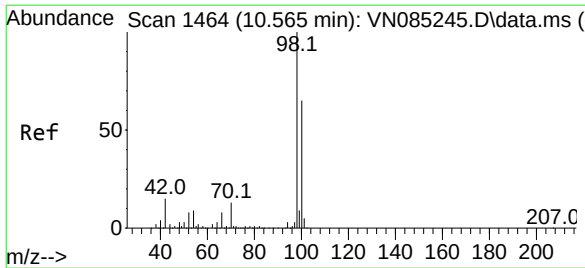
Ion Ratio Lower Upper

113 100

111 104.4 82.1 123.1

192 17.4 13.4 20.0





#50

Toluene-d8

Concen: 48.273 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085254.D

Acq: 18 Dec 2024 16:26

Instrument :

MSVOA_N

ClientSampleId :

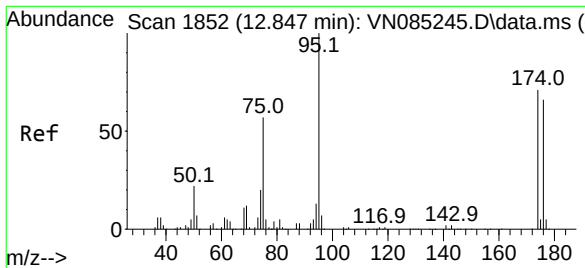
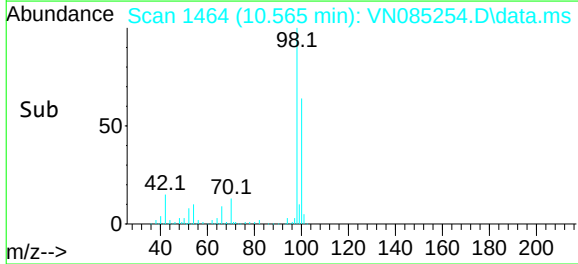
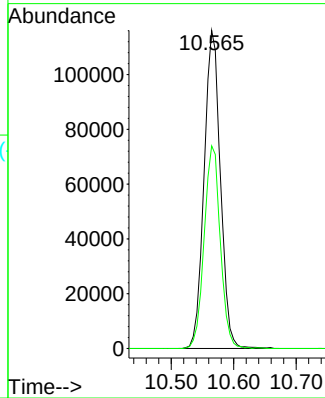
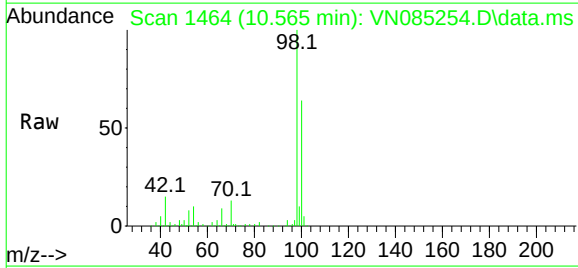
VN1218WBL01

Tgt Ion: 98 Resp: 210506

Ion Ratio Lower Upper

98 100

100 63.0 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 44.230 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085254.D

Acq: 18 Dec 2024 16:26

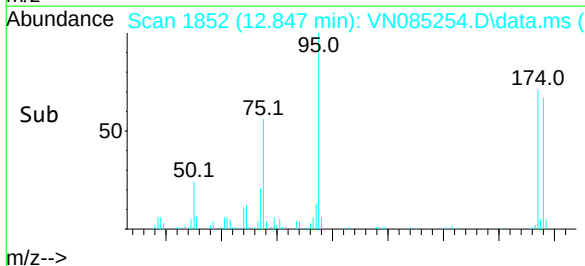
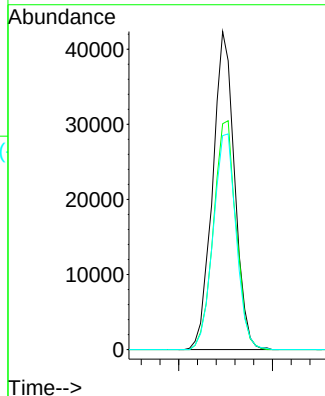
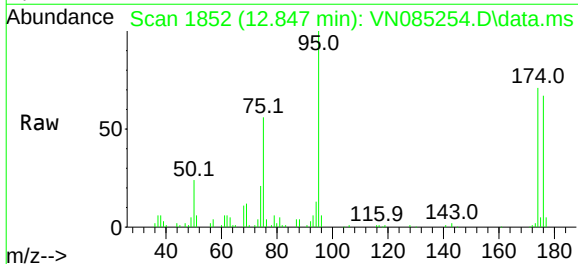
Tgt Ion: 95 Resp: 68890

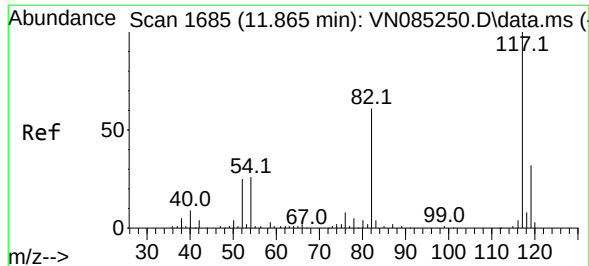
Ion Ratio Lower Upper

95 100

174 74.1 0.0 144.4

176 70.7 0.0 136.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 16

Delta R.T. -0.000 min

Lab File: VN085254.D

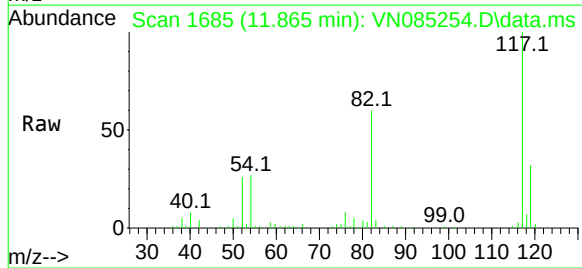
Acq: 18 Dec 2024 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN1218WBL01



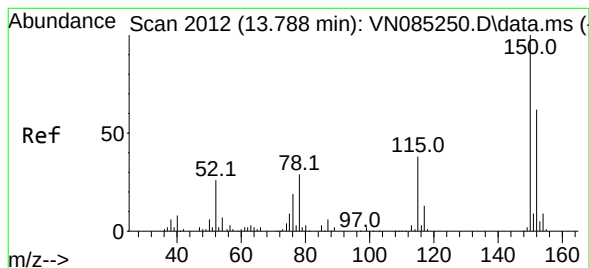
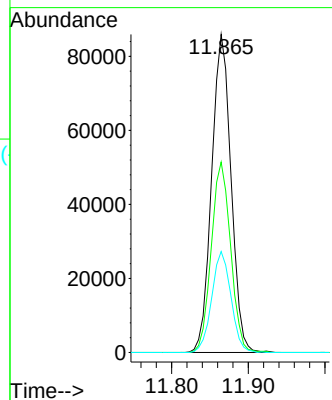
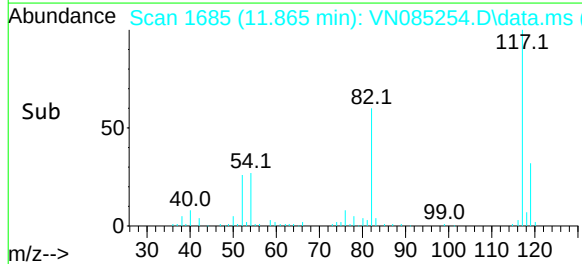
Tgt Ion:117 Resp: 150910

Ion Ratio Lower Upper

117 100

82 59.9 47.4 71.2

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN085254.D

Acq: 18 Dec 2024 16:26

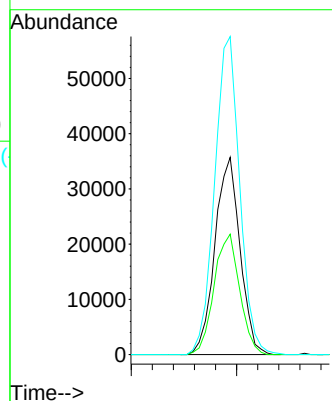
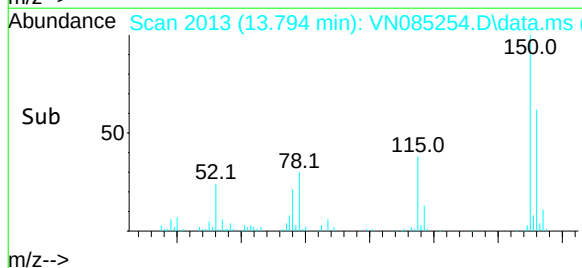
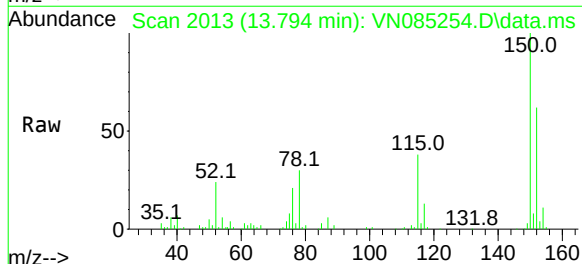
Tgt Ion:152 Resp: 59088

Ion Ratio Lower Upper

152 100

115 62.1 32.1 96.3

150 160.9 0.0 354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085254.D
Acq On : 18 Dec 2024 16:26
Operator : JC\MD
Sample : VN1218WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Title : SW846 8260

Signal : TIC: VN085254.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	50	58	62	rBV3	4658	11914	2.04%	0.387%
2	2.812	142	146	151	rBV4	3741	6988	1.20%	0.227%
3	7.441	923	933	939	rBV	6676	16897	2.90%	0.549%
4	8.165	1047	1056	1061	rBV	88292	215706	37.00%	7.014%
5	8.224	1061	1066	1076	rVB	142012	308260	52.88%	10.023%
6	8.577	1116	1126	1138	rBV	104298	230528	39.55%	7.496%
7	9.100	1206	1215	1227	rBV	222825	439048	75.32%	14.276%
8	10.565	1454	1464	1475	rBV	321246	582922	100.00%	18.954%
9	11.865	1678	1685	1694	rBV	288994	503285	86.34%	16.364%
10	12.847	1846	1852	1863	rVB	214959	357940	61.40%	11.638%
11	13.794	2005	2013	2022	rBV	240131	402038	68.97%	13.072%

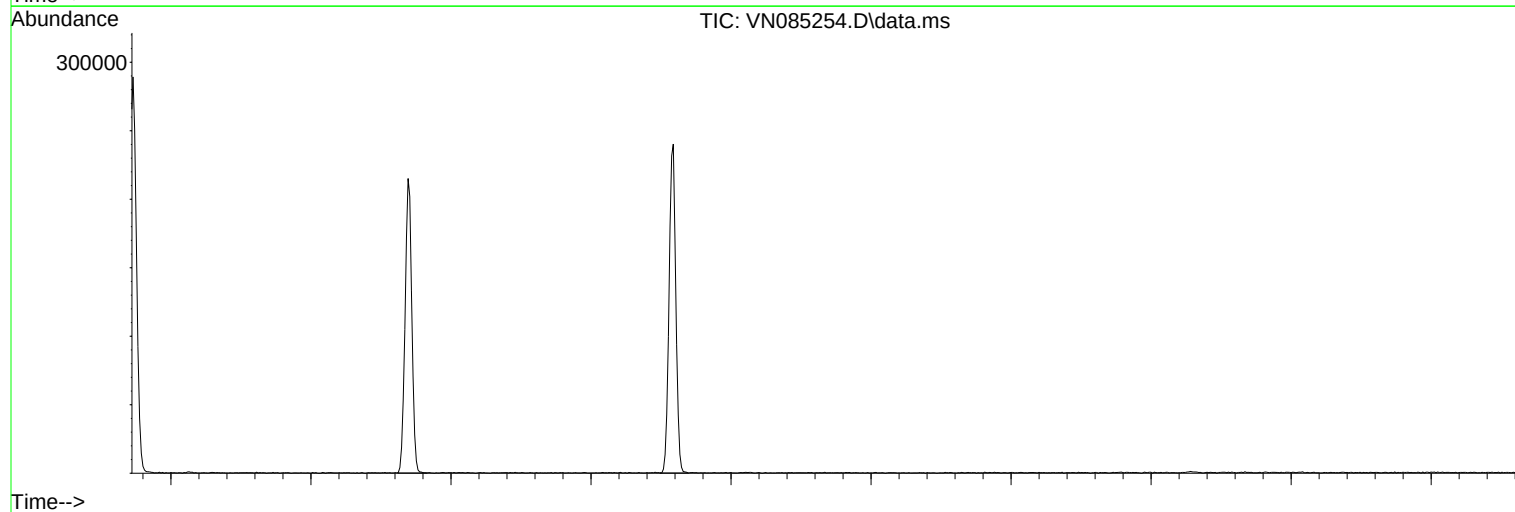
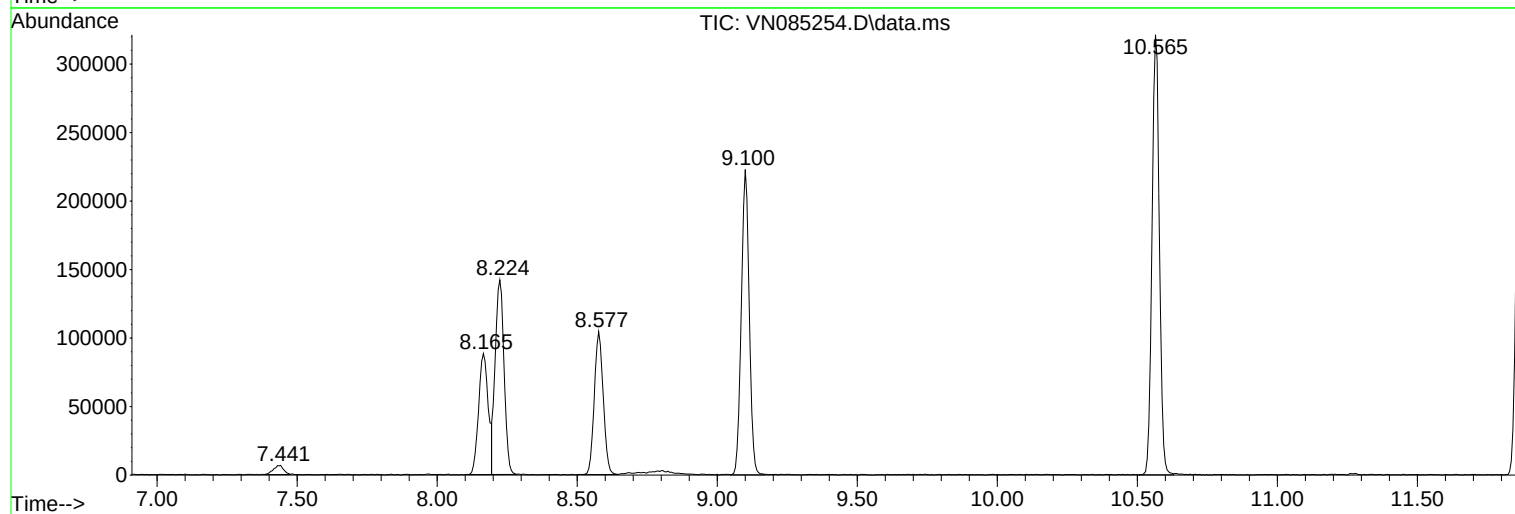
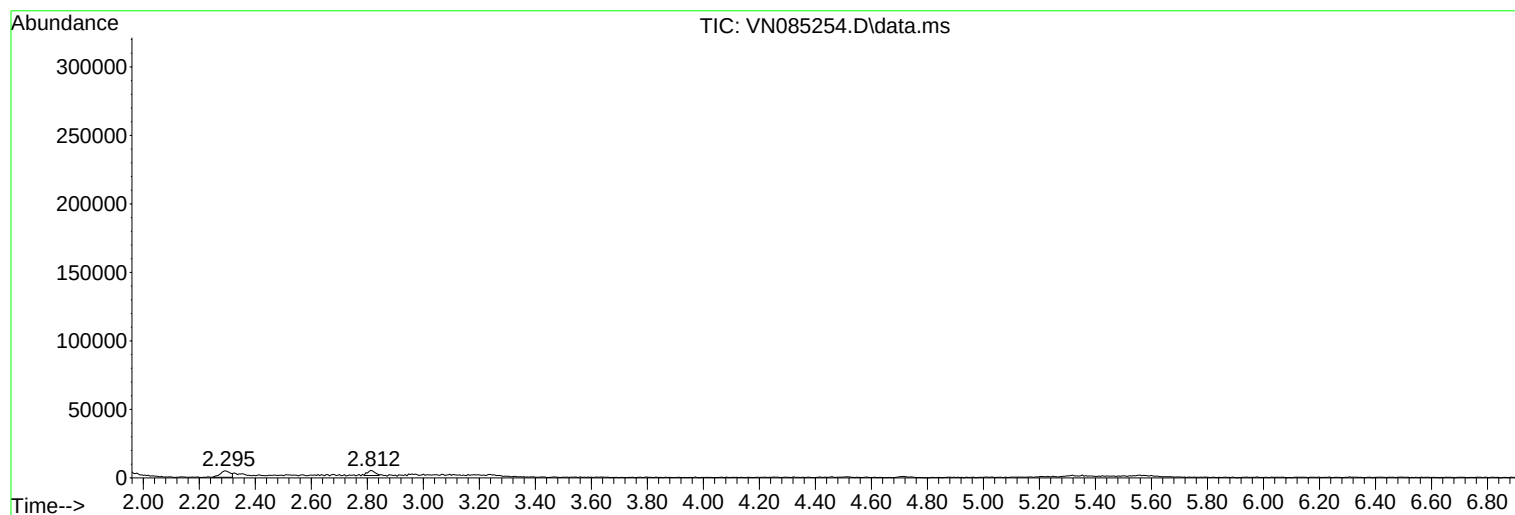
Sum of corrected areas: 3075526

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085254.D
Acq On : 18 Dec 2024 16:26
Operator : JC\MD
Sample : VN1218WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085254.D
Acq On : 18 Dec 2024 16:26
Operator : JC\MD
Sample : VN1218WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085254.D
Acq On : 18 Dec 2024 16:26
Operator : JC\MD
Sample : VN1218WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	
Client Sample ID:	VN1217WBS02	SDG No.:	P5291
Lab Sample ID:	VN1217WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085222.D	1		12/17/24 14:09	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	27.3		0.21	1.00	ug/L
74-87-3	Chloromethane	18.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.8		0.34	1.00	ug/L
74-83-9	Bromomethane	25.2		1.40	5.00	ug/L
75-00-3	Chloroethane	21.4		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.5		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.26	1.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	19.9		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.9		1.60	5.00	ug/L
78-93-3	2-Butanone	94.9		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	18.9		0.25	1.00	ug/L
74-97-5	Bromochloromethane	18.4		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	19.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.9		0.19	1.00	ug/L
71-43-2	Benzene	20.4		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.6		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.7		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	21.0		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	21.1		0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	
Client Sample ID:	VN1217WBS02	SDG No.:	P5291
Lab Sample ID:	VN1217WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085222.D	1		12/17/24 14:09	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.8		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.1		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	41.8		0.31	2.00	ug/L
95-47-6	o-Xylene	19.9		0.14	1.00	ug/L
100-42-5	Styrene	20.3		0.16	1.00	ug/L
75-25-2	Bromoform	21.4		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.7		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.2		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.3		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.4		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.5		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	49.8		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		77 - 121	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	8.224			
540-36-3	1,4-Difluorobenzene	251000	9.1			
3114-55-4	Chlorobenzene-d5	224000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	110000	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	
Client Sample ID:	VN1217WBS02	SDG No.:	P5291
Lab Sample ID:	VN1217WBS02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085222.D	1		12/17/24 14:09	VN121724

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085222.D
 Acq On : 17 Dec 2024 14:09
 Operator : JC\MD
 Sample : VN1217WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:24:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	156058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	250626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	224078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109988	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	110767	49.829	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.660%
35) Dibromofluoromethane	8.165	113	89648	53.042	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.080%
50) Toluene-d8	10.565	98	309619	51.117	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.240%
62) 4-Bromofluorobenzene	12.847	95	120210	53.070	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.140%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	48116	27.267	ug/l	98
3) Chloromethane	2.360	50	38568	18.844	ug/l	93
4) Vinyl Chloride	2.512	62	40043	21.771	ug/l	97
5) Bromomethane	2.954	94	25965	25.186	ug/l	97
6) Chloroethane	3.118	64	26501m	21.376	ug/l	
7) Trichlorofluoromethane	3.501	101	67169	21.468	ug/l	97
8) Diethyl Ether	3.959	74	20760	19.494	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	36542	20.592	ug/l	99
10) Methyl Iodide	4.589	142	40702	17.328	ug/l	99
11) Tert butyl alcohol	5.518	59	29087	97.918	ug/l #	94
12) 1,1-Dichloroethene	4.336	96	32133	19.399	ug/l	99
13) Acrolein	4.177	56	8093	40.829	ug/l	93
14) Allyl chloride	5.018	41	45622m	16.338	ug/l	
15) Acrylonitrile	5.718	53	80665	95.915	ug/l	99
16) Acetone	4.424	43	66747	103.099	ug/l	95
17) Carbon Disulfide	4.712	76	97251	19.892	ug/l	95
18) Methyl Acetate	5.030	43	40137	18.678	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	102482	18.936	ug/l	100
20) Methylene Chloride	5.271	84	36015	18.230	ug/l	99
21) trans-1,2-Dichloroethene	5.789	96	33867	19.429	ug/l	87
22) Diisopropyl ether	6.677	45	106746	18.994	ug/l	96
23) Vinyl Acetate	6.600	43	373460	96.324	ug/l	98
24) 1,1-Dichloroethane	6.565	63	64442	19.161	ug/l	99
25) 2-Butanone	7.483	43	100430	94.884	ug/l	95
26) 2,2-Dichloropropane	7.489	77	60419	19.239	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	39800	18.940	ug/l	99
28) Bromochloromethane	7.812	49	23373	18.411	ug/l	97
29) Tetrahydrofuran	7.836	42	66776	101.450	ug/l	96
30) Chloroform	7.965	83	67596	18.895	ug/l	98
31) Cyclohexane	8.253	56	55863	18.866	ug/l #	95
32) 1,1,1-Trichloroethane	8.165	97	62735	19.406	ug/l	98
36) 1,1-Dichloropropene	8.371	75	46766	20.428	ug/l	99
37) Ethyl Acetate	7.559	43	44445	21.355	ug/l	98
38) Carbon Tetrachloride	8.359	117	57916	21.917	ug/l	96
39) Methylcyclohexane	9.600	83	49682	20.885	ug/l	99
40) Benzene	8.606	78	147862	20.421	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085222.D
 Acq On : 17 Dec 2024 14:09
 Operator : JC\MD
 Sample : VN1217WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1217WBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:24:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	23095	20.042	ug/l	99
42) 1,2-Dichloroethane	8.665	62	50066	20.212	ug/l	100
43) Isopropyl Acetate	8.688	43	73069	16.902	ug/l	99
44) Trichloroethene	9.353	130	34613	20.570	ug/l	94
45) 1,2-Dichloropropane	9.618	63	35148	19.709	ug/l	98
46) Dibromomethane	9.706	93	24924	20.113	ug/l	95
47) Bromodichloromethane	9.883	83	55195	21.016	ug/l	95
48) Methyl methacrylate	9.677	41	33466	20.803	ug/l	97
49) 1,4-Dioxane	9.688	88	12477	447.243	ug/l #	85
51) 4-Methyl-2-Pentanone	10.441	43	218932	110.877	ug/l	100
52) Toluene	10.630	92	90377	21.085	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	52063	19.772	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	56019	20.054	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	33383	20.909	ug/l	97
56) Ethyl methacrylate	10.871	69	50424	21.613	ug/l	97
57) 1,3-Dichloropropane	11.159	76	55390	19.712	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.159	63	110327	96.405	ug/l	100
59) 2-Hexanone	11.194	43	158122	107.072	ug/l	98
60) Dibromochloromethane	11.359	129	41054	21.040	ug/l	97
61) 1,2-Dibromoethane	11.471	107	34382	20.808	ug/l	99
64) Tetrachloroethene	11.100	164	31453	20.831	ug/l	97
65) Chlorobenzene	11.888	112	97189	19.125	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	36950	20.651	ug/l	99
67) Ethyl Benzene	11.965	91	163399	19.819	ug/l	99
68) m/p-Xylenes	12.071	106	131161	41.786	ug/l	97
69) o-Xylene	12.400	106	59296	19.859	ug/l	100
70) Styrene	12.412	104	100655	20.271	ug/l	99
71) Bromoform	12.576	173	28438	21.412	ug/l #	100
73) Isopropylbenzene	12.694	105	152613	19.668	ug/l	99
74) N-amyl acetate	12.494	43	61400	19.203	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	49087	18.526	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	40729m	20.358	ug/l	
77) Bromobenzene	12.976	156	39351	18.846	ug/l	98
78) n-propylbenzene	13.035	91	183823	20.540	ug/l	99
79) 2-Chlorotoluene	13.124	91	112872	18.893	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	131851	20.250	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	16738	18.470	ug/l	99
82) 4-Chlorotoluene	13.218	91	116084	18.665	ug/l	98
83) tert-Butylbenzene	13.435	119	110429	19.712	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	133295	19.888	ug/l	100
85) sec-Butylbenzene	13.618	105	153515	20.285	ug/l	100
86) p-Isopropyltoluene	13.729	119	124924	19.997	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	70923	17.220	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	72522	17.255	ug/l	99
89) n-Butylbenzene	14.053	91	103842	17.874	ug/l	99
90) Hexachloroethane	14.329	117	25798	18.945	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	68778	17.427	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.718	75	9531	18.602	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	33307	15.535	ug/l	99
94) Hexachlorobutadiene	15.500	225	18055	18.246	ug/l	98
95) Naphthalene	15.641	128	97144	15.908	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	33665	16.456	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085222.D
Acq On : 17 Dec 2024 14:09
Operator : JC\MD
Sample : VN1217WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS02

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:24:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

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

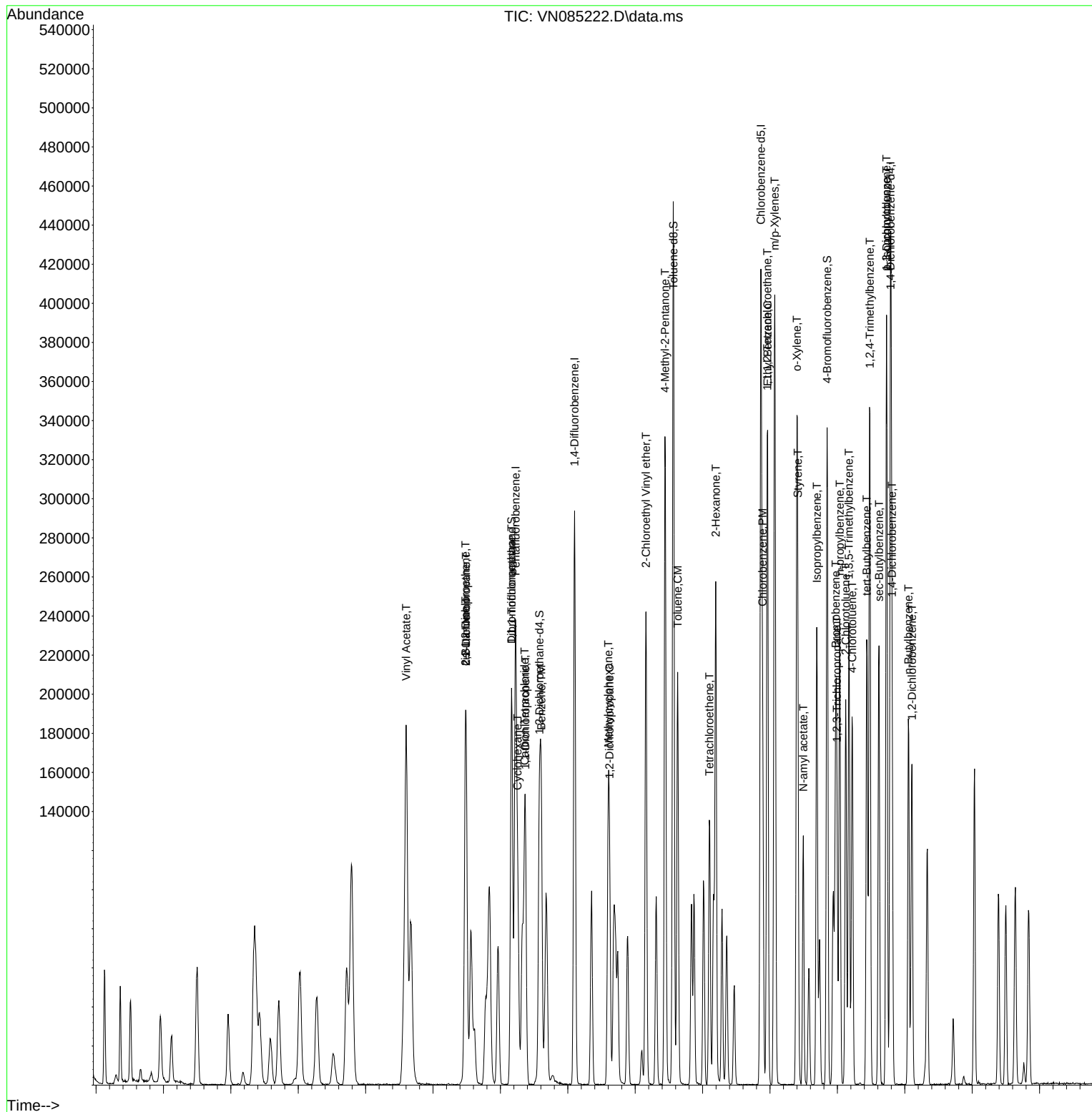
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\  
Data File : VN085222.D  
Acq On    : 17 Dec 2024  14:09  
Operator  : JC\MD  
Sample    : VN1217WBS02  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 7    Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN1217WBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:24:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	
Client Sample ID:	VN1218WBS01	SDG No.:	P5291
Lab Sample ID:	VN1218WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085255.D	1		12/18/24 16:50	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.6		0.21	1.00	ug/L
74-87-3	Chloromethane	19.7		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.6		0.34	1.00	ug/L
74-83-9	Bromomethane	21.6		1.40	5.00	ug/L
75-00-3	Chloroethane	24.3		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.4		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.1		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.9		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	21.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.5		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.0		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	23.9		0.18	1.00	ug/L
67-66-3	Chloroform	20.5		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.2		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.7		0.19	1.00	ug/L
71-43-2	Benzene	21.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.2		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	21.2		0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	
Client Sample ID:	VN1218WBS01		SDG No.:	P5291
Lab Sample ID:	VN1218WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085255.D	1		12/18/24 16:50	VN121824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.1		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.7		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	120		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.4		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	42.0		0.31	2.00	ug/L
95-47-6	o-Xylene	20.5		0.14	1.00	ug/L
100-42-5	Styrene	21.4		0.16	1.00	ug/L
75-25-2	Bromoform	21.4		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.7		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.9		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.2		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.6		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	53.7		86 - 113	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	105000	8.224			
540-36-3	1,4-Difluorobenzene	185000	9.1			
3114-55-4	Chlorobenzene-d5	167000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	82200	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	
Client Sample ID:	VN1218WBS01	SDG No.:	P5291
Lab Sample ID:	VN1218WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085255.D	1		12/18/24 16:50	VN121824

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085255.D
 Acq On : 18 Dec 2024 16:50
 Operator : JC\MD
 Sample : VN1218WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:45:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	104586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	185338	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	167159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	82237	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	96901	53.009	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.020%
35) Dibromofluoromethane	8.165	113	67589	51.871	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.740%
50) Toluene-d8	10.565	98	255819	53.715	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.440%
62) 4-Bromofluorobenzene	12.847	95	87550	51.468	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.940%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	37661	22.604	ug/l	95
3) Chloromethane	2.353	50	31330	19.728	ug/l	95
4) Vinyl Chloride	2.506	62	32145	21.603	ug/l	97
5) Bromomethane	2.953	94	21051	21.567	ug/l	95
6) Chloroethane	3.112	64	22624	24.337	ug/l	99
7) Trichlorofluoromethane	3.495	101	51517	21.440	ug/l	94
8) Diethyl Ether	3.959	74	16243	21.522	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	26473	20.542	ug/l	97
10) Methyl Iodide	4.589	142	27496	18.712	ug/l	97
11) Tert butyl alcohol	5.524	59	26216	103.243	ug/l	99
12) 1,1-Dichloroethene	4.336	96	24046	20.143	ug/l	94
13) Acrolein	4.183	56	28560	97.667	ug/l	99
14) Allyl chloride	5.024	41	41678	20.160	ug/l	97
15) Acrylonitrile	5.718	53	73924	106.886	ug/l	96
16) Acetone	4.430	43	68208	108.097	ug/l	93
17) Carbon Disulfide	4.706	76	76846	18.864	ug/l	100
18) Methyl Acetate	5.024	43	37043	20.737	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	86814	21.218	ug/l	95
20) Methylene Chloride	5.271	84	29206	21.160	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	26944	20.473	ug/l	87
22) Diisopropyl ether	6.671	45	95785	21.719	ug/l	99
23) Vinyl Acetate	6.600	43	362473m	106.365	ug/l	
24) 1,1-Dichloroethane	6.571	63	53325	20.873	ug/l	97
25) 2-Butanone	7.483	43	105791	109.480	ug/l	98
26) 2,2-Dichloropropane	7.488	77	48866	20.657	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	30678	20.020	ug/l	98
28) Bromochloromethane	7.812	49	30834	23.932	ug/l	96
29) Tetrahydrofuran	7.841	42	68404	109.816	ug/l	98
30) Chloroform	7.965	83	55986	20.521	ug/l	100
31) Cyclohexane	8.253	56	47305	20.002	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	51532	21.193	ug/l	97
36) 1,1-Dichloropropene	8.371	75	37467	20.650	ug/l	98
37) Ethyl Acetate	7.559	43	44447	21.234	ug/l	99
38) Carbon Tetrachloride	8.359	117	44596	20.329	ug/l	98
39) Methylcyclohexane	9.606	83	37259	19.734	ug/l	97
40) Benzene	8.606	78	118597	21.011	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
 Data File : VN085255.D
 Acq On : 18 Dec 2024 16:50
 Operator : JC\MD
 Sample : VN1218WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1218WBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:45:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 19 06:31:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	21124	19.802	ug/l	94
42) 1,2-Dichloroethane	8.671	62	45512	21.168	ug/l	99
43) Isopropyl Acetate	8.688	43	74325	19.416	ug/l	99
44) Trichloroethene	9.353	130	24205	19.261	ug/l	92
45) 1,2-Dichloropropane	9.618	63	28904	20.682	ug/l	95
46) Dibromomethane	9.706	93	21343	21.393	ug/l	95
47) Bromodichloromethane	9.888	83	44064	20.614	ug/l #	97
48) Methyl methacrylate	9.682	41	32944	20.995	ug/l	99
49) 1,4-Dioxane	9.694	88	11535	466.238	ug/l	91
51) 4-Methyl-2-Pentanone	10.441	43	227489	113.105	ug/l	99
52) Toluene	10.629	92	71944	21.198	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	43943	21.091	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	45882	20.712	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	27330	21.505	ug/l	95
56) Ethyl methacrylate	10.871	69	41790	18.758	ug/l	94
57) 1,3-Dichloropropane	11.165	76	48499	21.683	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	92105	90.888	ug/l	100
59) 2-Hexanone	11.194	43	166521	116.145	ug/l	97
60) Dibromochloromethane	11.359	129	32230	21.399	ug/l	98
61) 1,2-Dibromoethane	11.470	107	27086	20.693	ug/l	92
64) Tetrachloroethene	11.100	164	21637	19.236	ug/l	97
65) Chlorobenzene	11.888	112	76747	20.425	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	28632	21.841	ug/l	96
67) Ethyl Benzene	11.959	91	131866	20.475	ug/l	97
68) m/p-Xylenes	12.070	106	101160	41.996	ug/l	100
69) o-Xylene	12.400	106	46408	20.497	ug/l	97
70) Styrene	12.412	104	80812	21.380	ug/l	99
71) Bromoform	12.576	173	21963	21.373	ug/l #	100
73) Isopropylbenzene	12.694	105	120632	20.335	ug/l	100
74) N-ethyl acetate	12.494	43	62399	21.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	41731	19.743	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	35881m	18.304	ug/l	
77) Bromobenzene	12.976	156	30070	19.305	ug/l	100
78) n-propylbenzene	13.035	91	149090	20.492	ug/l	100
79) 2-Chlorotoluene	13.123	91	95265	20.623	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	103631	20.943	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	15072m	20.416	ug/l	
82) 4-Chlorotoluene	13.217	91	94397	20.194	ug/l	100
83) tert-Butylbenzene	13.435	119	86636	20.645	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	105875	20.933	ug/l	97
85) sec-Butylbenzene	13.617	105	119003	20.341	ug/l	100
86) p-Isopropyltoluene	13.729	119	95752	18.202	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	55612	19.388	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	55088	18.561	ug/l	99
89) n-Butylbenzene	14.059	91	82209	19.108	ug/l	98
90) Hexachloroethane	14.329	117	21681	20.174	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	52809	19.794	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8893	21.939	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	23431	17.157	ug/l	97
94) Hexachlorobutadiene	15.494	225	11764	16.574	ug/l	95
95) Naphthalene	15.641	128	77502	17.137	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	23956	17.562	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\
Data File : VN085255.D
Acq On : 18 Dec 2024 16:50
Operator : JC\MD
Sample : VN1218WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:45:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration

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

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

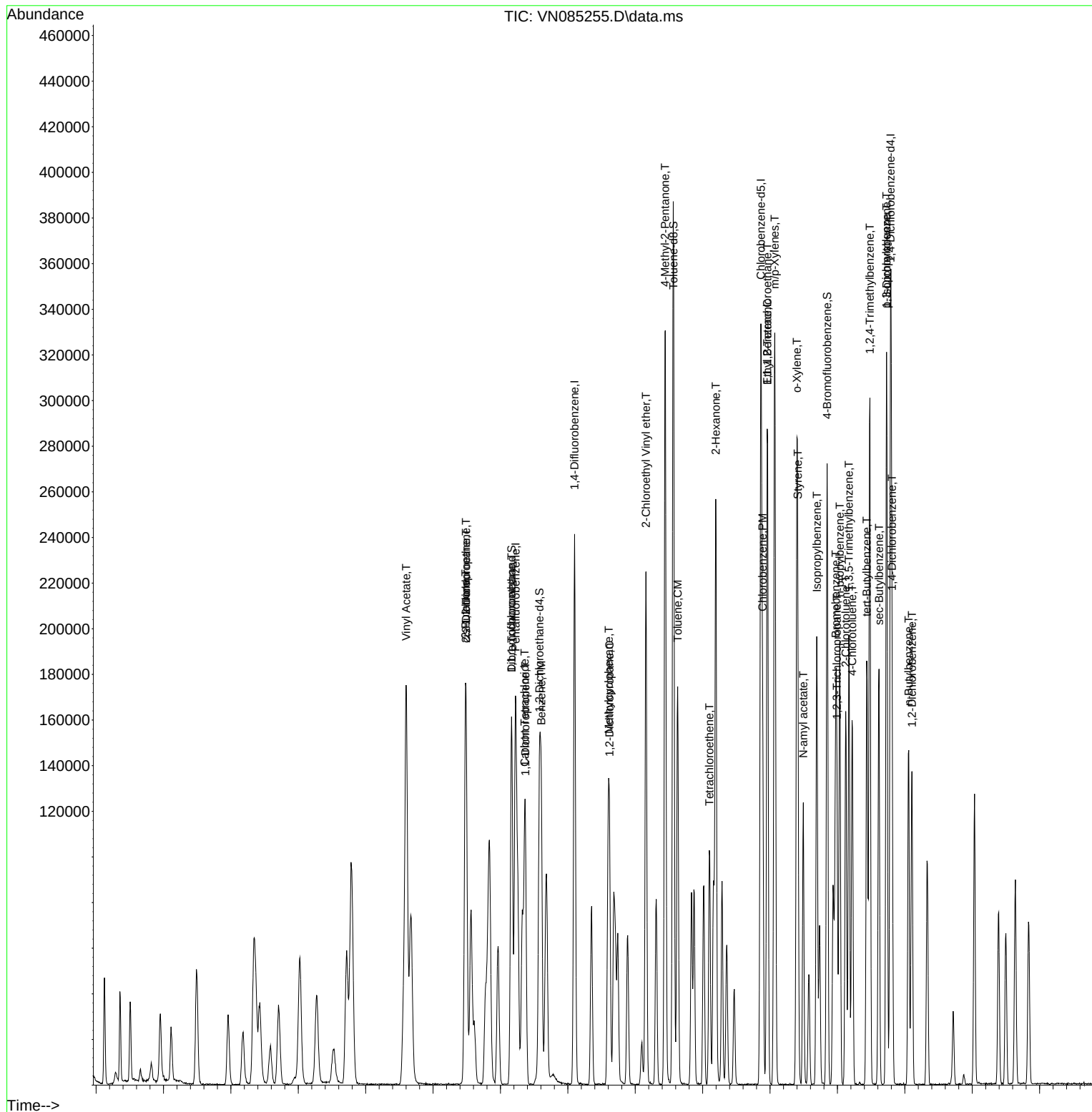
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121824\  
Data File : VN085255.D  
Acq On    : 18 Dec 2024 16:50  
Operator  : JC\MD  
Sample    : VN1218WBS01  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 14 Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN1218WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:45:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121824W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 19 06:31:00 2024
Response via : Initial Calibration



Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/13/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/16/24	
Client Sample ID:	MW6-20241213MS		SDG No.:	P5291	
Lab Sample ID:	P5291-08MS		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085240.D	1		12/17/24 21:35	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	69.0		0.21	1.00	ug/L
74-87-3	Chloromethane	50.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	59.6		0.34	1.00	ug/L
74-83-9	Bromomethane	50.5		1.40	5.00	ug/L
75-00-3	Chloroethane	62.1		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	55.8		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	52.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	54.6		0.26	1.00	ug/L
67-64-1	Acetone	320		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	53.7		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	66.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	52.2		0.60	1.00	ug/L
75-09-2	Methylene Chloride	50.7		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	52.1		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	51.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	65.1		1.60	5.00	ug/L
78-93-3	2-Butanone	290		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	53.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	52.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	47.3		0.18	1.00	ug/L
67-66-3	Chloroform	52.0		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	52.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	81.3		0.19	1.00	ug/L
71-43-2	Benzene	390	E	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	50.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	52.3		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	48.7		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	52.4		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	310		0.75	5.00	ug/L
108-88-3	Toluene	130	E	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/16/24
Client Sample ID:	MW6-20241213MS	SDG No.:	P5291
Lab Sample ID:	P5291-08MS	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085240.D	1		12/17/24 21:35	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	51.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	50.7		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	61.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	310		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	54.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	53.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	47.4		0.25	1.00	ug/L
108-90-7	Chlorobenzene	48.9		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	190	E	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	460	E	0.31	2.00	ug/L
95-47-6	o-Xylene	170	E	0.14	1.00	ug/L
100-42-5	Styrene	60.2		0.16	1.00	ug/L
75-25-2	Bromoform	56.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	60.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	48.2		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	44.2		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	42.9		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	44.2		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	53.4		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	42.6		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	48.9		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	8.224			
540-36-3	1,4-Difluorobenzene	256000	9.1			
3114-55-4	Chlorobenzene-d5	228000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW6-20241213MS			SDG No.:	P5291
Lab Sample ID:	P5291-08MS			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085240.D	1		12/17/24 21:35	VN121724

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085240.D
 Acq On : 17 Dec 2024 21:35
 Operator : JC\MD
 Sample : P5291-08MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:43:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	150098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	227606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111390	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108474	50.735	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.480%
35) Dibromofluoromethane	8.165	113	87166	50.526	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.060%
50) Toluene-d8	10.565	98	302141	48.870	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.740%
62) 4-Bromofluorobenzene	12.847	95	121900	52.723	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.440%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	117094	68.991	ug/l	99
3) Chloromethane	2.359	50	100083	50.842	ug/l	97
4) Vinyl Chloride	2.512	62	105416	59.589	ug/l	94
5) Bromomethane	2.942	94	50084	50.511	ug/l	93
6) Chloroethane	3.106	64	74067	62.117	ug/l	97
7) Trichlorofluoromethane	3.489	101	167920	55.800	ug/l	98
8) Diethyl Ether	3.959	74	55056	53.752	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	89270	52.303	ug/l	99
10) Methyl Iodide	4.583	142	103255	45.703	ug/l	94
11) Tert butyl alcohol	5.530	59	93131	325.964	ug/l #	95
12) 1,1-Dichloroethene	4.336	96	87061	54.648	ug/l	98
13) Acrolein	4.177	56	50336	264.030	ug/l #	16
14) Allyl chloride	5.018	41	122501	45.612	ug/l	93
15) Acrylonitrile	5.712	53	231883	286.669	ug/l	99
16) Acetone	4.424	43	198985	319.563	ug/l	96
17) Carbon Disulfide	4.712	76	252400	53.675	ug/l	97
18) Methyl Acetate	5.024	43	103695	52.151	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	346751	66.615	ug/l #	56
20) Methylene Chloride	5.277	84	96291	50.677	ug/l	96
21) trans-1,2-Dichloroethene	5.789	96	87289	52.066	ug/l	97
22) Diisopropyl ether	6.671	45	274275	50.741	ug/l	98
23) Vinyl Acetate	6.600	43	1010258	270.915	ug/l	97
24) 1,1-Dichloroethane	6.565	63	167575	51.805	ug/l	99
25) 2-Butanone	7.483	43	298607	293.319	ug/l	99
26) 2,2-Dichloropropane	7.488	77	124106	41.088	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	105018	51.961	ug/l	98
28) Bromochloromethane	7.812	49	57700	47.254	ug/l	93
29) Tetrahydrofuran	7.841	42	195249	308.412	ug/l	99
30) Chloroform	7.965	83	178900	51.992	ug/l	95
31) Cyclohexane	8.253	56	185416	65.104	ug/l	98
32) 1,1,1-Trichloroethane	8.171	97	162984	52.417	ug/l	100
36) 1,1-Dichloropropene	8.371	75	118884	50.877	ug/l	99
37) Ethyl Acetate	7.559	43	115660	54.446	ug/l	99
38) Carbon Tetrachloride	8.359	117	144300	53.499	ug/l	96
39) Methylcyclohexane	9.600	83	197490	81.333	ug/l	95
40) Benzene	8.606	78	2859016	386.845	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085240.D
 Acq On : 17 Dec 2024 21:35
 Operator : JC\MD
 Sample : P5291-08MS
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213MS

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:43:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	66959	56.929	ug/l	99
42) 1,2-Dichloroethane	8.671	62	128529	50.834	ug/l	99
43) Isopropyl Acetate	8.688	43	215740	48.892	ug/l	99
44) Trichloroethene	9.353	130	89784	52.275	ug/l	93
45) 1,2-Dichloropropane	9.618	63	88568	48.655	ug/l	98
46) Dibromomethane	9.706	93	65557	51.829	ug/l	99
47) Bromodichloromethane	9.888	83	140449	52.391	ug/l	98
48) Methyl methacrylate	9.677	41	100234	61.043	ug/l	95
49) 1,4-Dioxane	9.694	88	33526	1177.358	ug/l #	96
51) 4-Methyl-2-Pentanone	10.441	43	633962	314.549	ug/l	99
52) Toluene	10.629	92	568697	129.981	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	139438	51.881	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	144452	50.662	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	99993	61.358	ug/l	89
56) Ethyl methacrylate	10.871	69	150225	63.084	ug/l	97
57) 1,3-Dichloropropane	11.165	76	147414	51.396	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.147	63	251	0.215	ug/l #	46
59) 2-Hexanone	11.194	43	473199	313.922	ug/l	98
60) Dibromochloromethane	11.359	129	107735	54.092	ug/l	98
61) 1,2-Dibromoethane	11.465	107	89855	53.277	ug/l	95
64) Tetrachloroethene	11.100	164	72703	47.405	ug/l	97
65) Chlorobenzene	11.888	112	252649	48.946	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	90474	49.782	ug/l	99
67) Ethyl Benzene	11.965	91	1621049	193.571	ug/l	100
68) m/p-Xylenes	12.071	106	1467807	460.372	ug/l	100
69) o-Xylene	12.394	106	516057	170.156	ug/l	99
70) Styrene	12.412	104	303548	60.185	ug/l #	80
71) Bromoform	12.576	173	75490	55.958	ug/l #	100
73) Isopropylbenzene	12.694	105	478465	60.887	ug/l	100
74) N-amyl acetate	12.494	43	174666	53.940	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	129254	48.168	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	105158m	51.902	ug/l	
77) Bromobenzene	12.982	156	103006	48.710	ug/l	99
78) n-propylbenzene	13.035	91	578855	63.865	ug/l	99
79) 2-Chlorotoluene	13.123	91	340502	56.277	ug/l	95
80) 1,3,5-Trimethylbenzene	13.170	105	474014	71.885	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	41056	44.733	ug/l	98
82) 4-Chlorotoluene	13.218	91	306444	48.653	ug/l	99
83) tert-Butylbenzene	13.435	119	303230	53.446	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1115313	164.317	ug/l	99
85) sec-Butylbenzene	13.612	105	408420	53.289	ug/l	98
86) p-Isopropyltoluene	13.729	119	352200	55.668	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	184275	44.179	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	182686	42.919	ug/l	98
89) n-Butylbenzene	14.053	91	294199	50.002	ug/l	95
90) Hexachloroethane	14.329	117	75332	54.625	ug/l	91
91) 1,2-Dichlorobenzene	14.106	146	176838	44.244	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27698	53.380	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	91243	42.020	ug/l	97
94) Hexachlorobutadiene	15.500	225	36337	36.260	ug/l	99
95) Naphthalene	15.641	128	499219	80.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	88302	42.619	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085240.D
Acq On : 17 Dec 2024 21:35
Operator : JC\MD
Sample : P5291-08MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:43:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

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

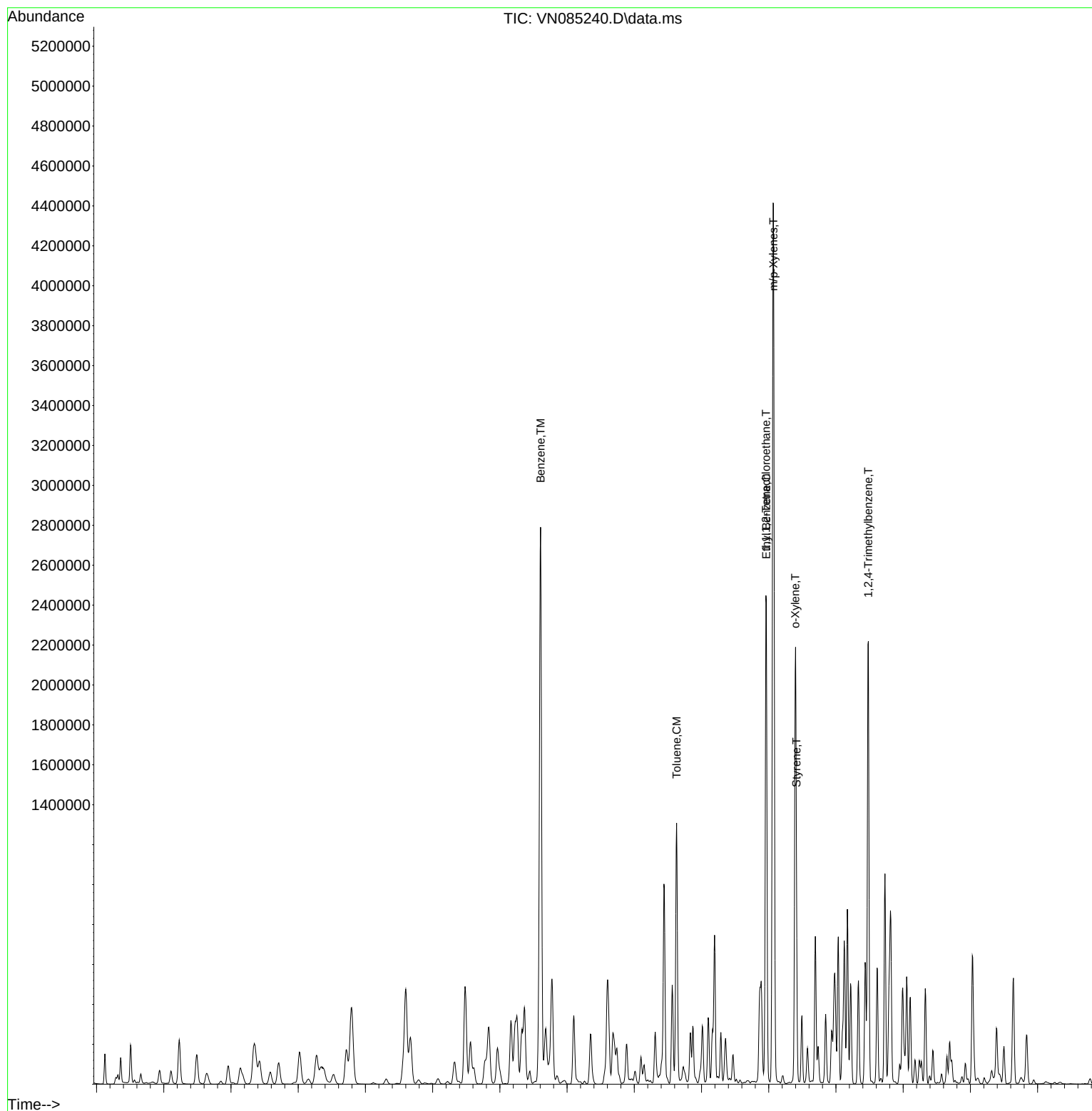
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085240.D
Acq On : 17 Dec 2024 21:35
Operator : JC\MD
Sample : P5291-08MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MS

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:43:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW6-20241213MSD			SDG No.:	P5291
Lab Sample ID:	P5291-09MSD			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085241.D	1		12/17/24 21:59	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	70.5		0.21	1.00	ug/L
74-87-3	Chloromethane	48.5		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	61.1		0.34	1.00	ug/L
74-83-9	Bromomethane	53.8		1.40	5.00	ug/L
75-00-3	Chloroethane	54.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	57.3		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	54.1		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	55.2		0.26	1.00	ug/L
67-64-1	Acetone	330		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	56.1		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	67.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	52.6		0.60	1.00	ug/L
75-09-2	Methylene Chloride	51.7		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	53.6		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	52.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	66.2		1.60	5.00	ug/L
78-93-3	2-Butanone	310		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	57.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.0		0.25	1.00	ug/L
74-97-5	Bromochloromethane	48.1		0.18	1.00	ug/L
67-66-3	Chloroform	52.9		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	53.7		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	86.0		0.19	1.00	ug/L
71-43-2	Benzene	380	E	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	53.1		0.24	1.00	ug/L
79-01-6	Trichloroethene	54.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	50.7		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	54.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	330		0.75	5.00	ug/L
108-88-3	Toluene	130	E	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW6-20241213MSD			SDG No.:	P5291
Lab Sample ID:	P5291-09MSD			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085241.D	1		12/17/24 21:59	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	54.1		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	53.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	64.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	330		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	56.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	57.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	50.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	50.8		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	190	E	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	450	E	0.31	2.00	ug/L
95-47-6	o-Xylene	170	E	0.14	1.00	ug/L
100-42-5	Styrene	61.5		0.16	1.00	ug/L
75-25-2	Bromoform	58.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	65.4		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	51.6		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	47.7		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	46.6		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	47.4		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	59.6		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.4		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	48.1		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	48.2		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	8.224			
540-36-3	1,4-Difluorobenzene	255000	9.1			
3114-55-4	Chlorobenzene-d5	228000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	107000	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/13/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/16/24
Client Sample ID:	MW6-20241213MSD			SDG No.:	P5291
Lab Sample ID:	P5291-09MSD			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN085241.D	1		12/17/24 21:59	VN121724

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085241.D
 Acq On : 17 Dec 2024 21:59
 Operator : JC\MD
 Sample : P5291-09MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213MSD

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:44:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	153484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107049	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	106984	48.935	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.860%
35) Dibromofluoromethane	8.165	113	84535	49.125	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.260%
50) Toluene-d8	10.565	98	297397	48.224	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.440%
62) 4-Bromofluorobenzene	12.847	95	115597	50.123	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.240%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	122369	70.509	ug/l	97
3) Chloromethane	2.359	50	97611	48.492	ug/l	96
4) Vinyl Chloride	2.506	62	110503	61.087	ug/l	97
5) Bromomethane	2.936	94	54597	53.848	ug/l	97
6) Chloroethane	3.106	64	65793	53.960	ug/l	97
7) Trichlorofluoromethane	3.489	101	176316	57.297	ug/l	97
8) Diethyl Ether	3.959	74	59526	56.835	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	94394	54.085	ug/l	98
10) Methyl Iodide	4.583	142	122556	53.050	ug/l	95
11) Tert butyl alcohol	5.530	59	101793	348.422	ug/l	96
12) 1,1-Dichloroethene	4.336	96	89998	55.245	ug/l	93
13) Acrolein	4.177	56	55309	283.715	ug/l #	16
14) Allyl chloride	5.018	41	128659	46.848	ug/l	91
15) Acrylonitrile	5.718	53	243822	294.779	ug/l	99
16) Acetone	4.430	43	207484	325.861	ug/l	97
17) Carbon Disulfide	4.712	76	269729	56.095	ug/l	98
18) Methyl Acetate	5.018	43	106850	52.562	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	360211	67.674	ug/l #	61
20) Methylene Chloride	5.271	84	100422	51.685	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	91927	53.623	ug/l	92
22) Diisopropyl ether	6.671	45	286903	51.907	ug/l	97
23) Vinyl Acetate	6.600	43	1042059	273.278	ug/l	99
24) 1,1-Dichloroethane	6.565	63	172452	52.137	ug/l	98
25) 2-Butanone	7.483	43	317779	305.265	ug/l	97
26) 2,2-Dichloropropane	7.489	77	128596	41.635	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	109618	53.040	ug/l	98
28) Bromochloromethane	7.812	49	60090	48.126	ug/l	95
29) Tetrahydrofuran	7.841	42	205691	317.738	ug/l	98
30) Chloroform	7.965	83	186028	52.871	ug/l	96
31) Cyclohexane	8.253	56	192814	66.208	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	170881	53.744	ug/l	99
36) 1,1-Dichloropropene	8.371	75	126785	54.395	ug/l	98
37) Ethyl Acetate	7.559	43	117497	55.450	ug/l	100
38) Carbon Tetrachloride	8.359	117	153419	57.023	ug/l	97
39) Methylcyclohexane	9.600	83	208206	85.963	ug/l	97
40) Benzene	8.606	78	2834507	384.499	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
 Data File : VN085241.D
 Acq On : 17 Dec 2024 21:59
 Operator : JC\MD
 Sample : P5291-09MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6-20241213MSD

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:44:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 23 02:54:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	71699	61.113	ug/l	99
42) 1,2-Dichloroethane	8.671	62	133843	53.070	ug/l	96
43) Isopropyl Acetate	8.688	43	227670	51.726	ug/l	98
44) Trichloroethene	9.353	130	93636	54.656	ug/l	93
45) 1,2-Dichloropropane	9.618	63	92138	50.745	ug/l	93
46) Dibromomethane	9.712	93	66634	52.814	ug/l	97
47) Bromodichloromethane	9.888	83	146601	54.824	ug/l	99
48) Methyl methacrylate	9.677	41	103934	63.457	ug/l	98
49) 1,4-Dioxane	9.694	88	37301	1313.239	ug/l	100
51) 4-Methyl-2-Pentanone	10.447	43	669053	332.799	ug/l	100
52) Toluene	10.629	92	571883	131.040	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	145075	54.115	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	151075	53.119	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	104024	63.993	ug/l	93
56) Ethyl methacrylate	10.871	69	159757	67.256	ug/l	98
57) 1,3-Dichloropropane	11.165	76	156077	54.554	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	323	0.277	ug/l #	46
59) 2-Hexanone	11.194	43	492890	327.812	ug/l	99
60) Dibromochloromethane	11.359	129	111202	55.974	ug/l	99
61) 1,2-Dibromoethane	11.471	107	95957	57.038	ug/l	99
64) Tetrachloroethene	11.106	164	77321	50.305	ug/l	98
65) Chlorobenzene	11.888	112	262840	50.808	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	94875	52.089	ug/l	99
67) Ethyl Benzene	11.965	91	1616318	192.582	ug/l	99
68) m/p-Xylenes	12.065	106	1443477	451.746	ug/l	98
69) o-Xylene	12.394	106	517349	170.207	ug/l	98
70) Styrene	12.412	104	310655	61.459	ug/l #	81
71) Bromoform	12.576	173	79116	58.517	ug/l #	99
73) Isopropylbenzene	12.694	105	493844	65.393	ug/l	99
74) N-ethyl acetate	12.494	43	184702	59.352	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	133088	51.608	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	110123m	56.556	ug/l	
77) Bromobenzene	12.976	156	105740	52.030	ug/l	98
78) n-propylbenzene	13.035	91	592403	68.010	ug/l	100
79) 2-Chlorotoluene	13.123	91	356328	61.281	ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	484396	76.439	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	42571	48.265	ug/l	96
82) 4-Chlorotoluene	13.223	91	323099	53.377	ug/l	100
83) tert-Butylbenzene	13.435	119	315144	57.798	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1125111	172.482	ug/l	100
85) sec-Butylbenzene	13.612	105	426780	57.943	ug/l	99
86) p-Isopropyltoluene	13.729	119	365146	60.054	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	191047	47.660	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	190705	46.619	ug/l	98
89) n-Butylbenzene	14.053	91	308991	54.646	ug/l	94
90) Hexachloroethane	14.329	117	76685	57.861	ug/l	90
91) 1,2-Dichlorobenzene	14.106	146	182042	47.393	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29729	59.617	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	98988	47.436	ug/l	97
94) Hexachlorobutadiene	15.500	225	39793	41.319	ug/l	99
95) Naphthalene	15.635	128	518533	87.245	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	95744	48.085	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085241.D
Acq On : 17 Dec 2024 21:59
Operator : JC\MD
Sample : P5291-09MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration

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

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

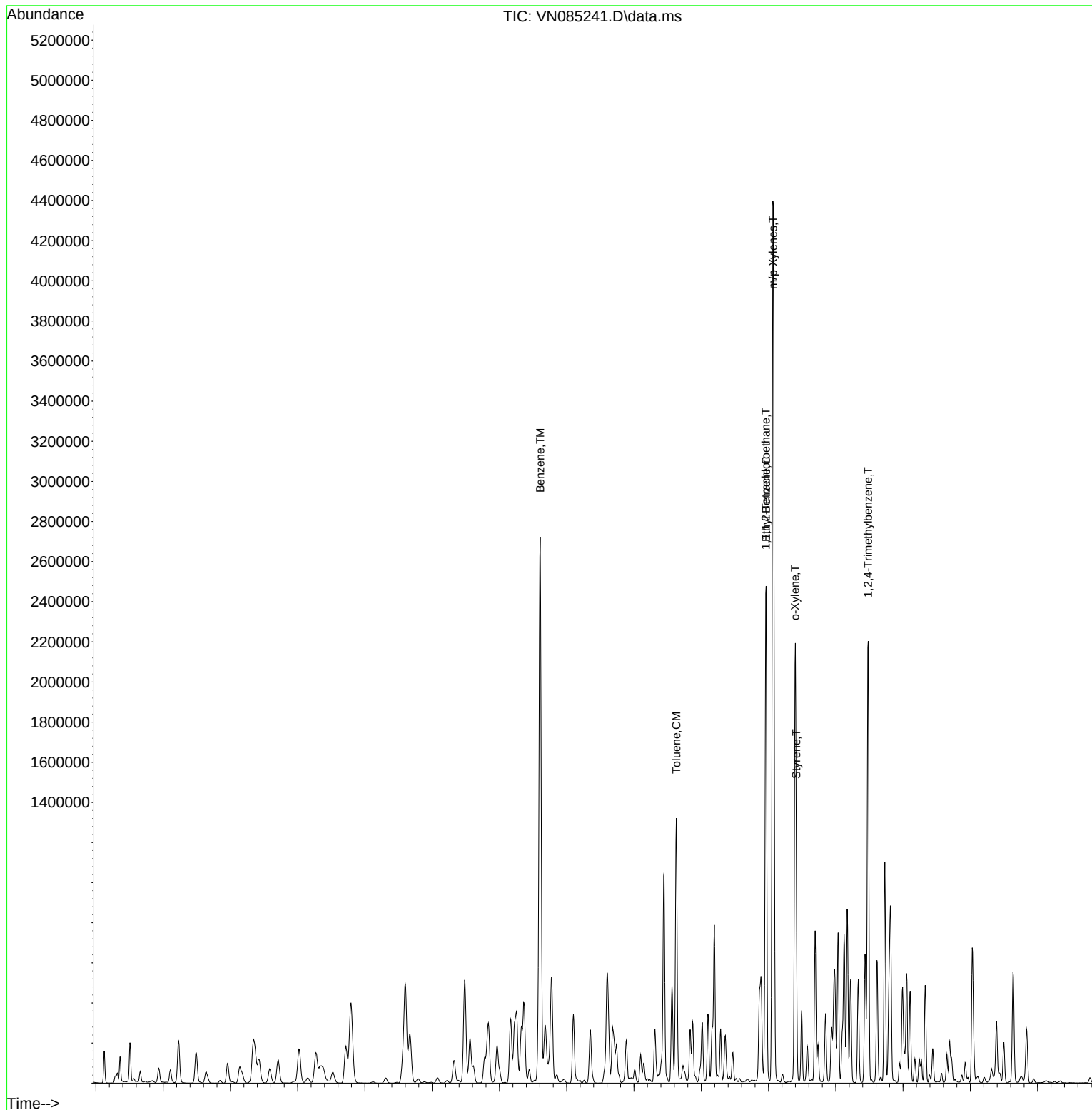
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085241.D
Acq On : 17 Dec 2024 21:59
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Sample : P5291-09MSD
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ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6-20241213MSD

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 18 00:44:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



Manual Integration Report

Sequence:	VN112224	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085005.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:15 AM	MMDadoda	11/25/2024 2:03:01 PM	Peak Integrated by Software
VSTDICCC050	VN085006.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:19 AM	MMDadoda	11/25/2024 2:03:02 PM	Peak Integrated by Software
VSTDICC020	VN085007.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:24 AM	MMDadoda	11/25/2024 2:03:03 PM	Peak Integrated by Software
VSTDICC010	VN085008.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:29 AM	MMDadoda	11/25/2024 2:03:05 PM	Peak Integrated by Software
VSTDICC005	VN085009.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:32 AM	MMDadoda	11/25/2024 2:03:06 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,1,2-Trichlorotrifluoroethane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	1,4-Dichlorobenzene	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Chloroethane	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Isopropyl Acetate	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methyl Acetate	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methyl tert-butyl Ether	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software
VSTDICC001	VN085010.D	Methylene Chloride	JOHN	11/25/2024 9:40:37 AM	MMDadoda	11/25/2024 2:03:08 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VN112224

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN085012.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:40:43 AM	MMDadoda	11/25/2024 2:03:10 PM	Peak Integrated by Software
VSTDCCC050	VN085020.D	1,2,3-Trichloropropane	JOHN	11/25/2024 9:41:20 AM	MMDadoda	11/25/2024 2:03:24 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN121724	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085218.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:34:23 AM	SAM	12/18/2024 8:45:59 AM	Peak Integrated by Software
VN1217WBS02	VN085222.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:34:18 AM	SAM	12/18/2024 8:46:22 AM	Peak Integrated by Software
VN1217WBS02	VN085222.D	Allyl chloride	MMDadoda	12/18/2024 8:34:18 AM	SAM	12/18/2024 8:46:22 AM	Peak Integrated by Software
VN1217WBS02	VN085222.D	Chloroethane	MMDadoda	12/18/2024 8:34:18 AM	SAM	12/18/2024 8:46:22 AM	Peak Integrated by Software
P5291-06	VN085234.D	p-Isopropyltoluene	MMDadoda	12/18/2024 8:34:08 AM	SAM	12/18/2024 8:46:34 AM	Peak Integrated by Software
P5291-10	VN085235.D	p-Isopropyltoluene	MMDadoda	12/18/2024 8:34:06 AM	SAM	12/18/2024 8:46:37 AM	Peak Integrated by Software
P5291-13	VN085237.D	Methyl tert-butyl Ether	MMDadoda	12/18/2024 8:34:05 AM	SAM	12/18/2024 8:46:40 AM	Peak Integrated by Software
P5291-07	VN085239.D	p-Isopropyltoluene	MMDadoda	12/18/2024 8:34:01 AM	SAM	12/18/2024 8:46:43 AM	Peak Integrated by Software
P5291-08MS	VN085240.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:33:59 AM	SAM	12/18/2024 8:46:47 AM	Peak Integrated by Software
P5291-09MSD	VN085241.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:33:57 AM	SAM	12/18/2024 8:46:53 AM	Peak Integrated by Software
VSTDCCC050	VN085242.D	1,2,3-Trichloropropane	MMDadoda	12/18/2024 8:33:55 AM	SAM	12/18/2024 8:46:57 AM	Peak Integrated by Software
VSTDCCC050	VN085242.D	Allyl chloride	MMDadoda	12/18/2024 8:33:55 AM	SAM	12/18/2024 8:46:57 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VN121724

Instrument

MSVOA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	VN121824	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085245.D	1,2,3-Trichloropropane	JOHN	12/20/2024 10:05:01 AM	MMDadoda	12/20/2024 10:50:28 AM	Peak Integrated by Software
VSTDICCC050	VN085246.D	1,2,3-Trichloropropane	JOHN	12/20/2024 10:05:06 AM	MMDadoda	12/20/2024 10:50:26 AM	Peak Integrated by Software
VSTDICC010	VN085248.D	1,2,3-Trichloropropane	JOHN	12/20/2024 10:05:12 AM	MMDadoda	12/20/2024 10:50:24 AM	Peak Integrated by Software
VSTDICC010	VN085248.D	Allyl chloride	JOHN	12/20/2024 10:05:12 AM	MMDadoda	12/20/2024 10:50:24 AM	Peak Integrated by Software
VSTDICC005	VN085249.D	1,2,3-Trichloropropane	JOHN	12/20/2024 10:05:17 AM	MMDadoda	12/20/2024 10:50:22 AM	Peak Integrated by Software
VSTDICC005	VN085249.D	Allyl chloride	JOHN	12/20/2024 10:05:17 AM	MMDadoda	12/20/2024 10:50:22 AM	Peak Integrated by Software
VSTDICC001	VN085250.D	1,2,3-Trichloropropane	JOHN	12/20/2024 10:05:22 AM	MMDadoda	12/20/2024 10:50:20 AM	Peak Integrated by Software
VSTDICC001	VN085250.D	1,4-Dichlorobenzene	JOHN	12/20/2024 10:05:22 AM	MMDadoda	12/20/2024 10:50:20 AM	Peak Integrated by Software
VSTDICV050	VN085252.D	1,2,3-Trichloropropane	JOHN	12/20/2024 10:05:26 AM	MMDadoda	12/20/2024 10:50:12 AM	Peak Integrated by Software
VN1218WBS01	VN085255.D	1,2,3-Trichloropropane	JOHN	12/20/2024 10:05:30 AM	MMDadoda	12/20/2024 10:49:46 AM	Peak Integrated by Software
VN1218WBS01	VN085255.D	trans-1,4-Dichloro-2-but ene	JOHN	12/20/2024 10:05:30 AM	MMDadoda	12/20/2024 10:49:46 AM	Peak Integrated by Software
VN1218WBS01	VN085255.D	Vinyl Acetate	JOHN	12/20/2024 10:05:30 AM	MMDadoda	12/20/2024 10:49:46 AM	Peak Integrated by Software
P5291-05DL	VN085257.D	2-Butanone	JOHN	12/20/2024 10:05:39 AM	MMDadoda	12/20/2024 10:49:41 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN121824	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P5291-05DL	VN085257.D	Acetone	JOHN	12/20/2024 10:05:39 AM	MMDadoda	12/20/2024 10:49:41 AM	Peak Integrated by Software
P5291-06DL	VN085260.D	Chloroform	JOHN	12/20/2024 10:05:43 AM	MMDadoda	12/20/2024 10:49:38 AM	Peak Integrated by Software
VSTDCCC050	VN085262.D	1,2,3-Trichloropropane	JOHN	12/20/2024 10:05:47 AM	MMDadoda	12/20/2024 10:49:36 AM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM
SubDirectory	VN112224	HP Acquire Method	HP Processing Method 82N112224W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP131747		
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757		
CCC	VP131751		
Internal Standard/PEM			
ICV/I.BLK	VP131758		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085003.D	22 Nov 2024 09:29	JC\MD	Ok
2	VSTDCCC050	VN085004.D	22 Nov 2024 10:40	JC\MD	Not Ok
3	VSTDICC100	VN085005.D	22 Nov 2024 11:22	JC\MD	Ok,M
4	VSTDICCC050	VN085006.D	22 Nov 2024 11:46	JC\MD	Ok,M
5	VSTDICC020	VN085007.D	22 Nov 2024 12:10	JC\MD	Ok,M
6	VSTDICC010	VN085008.D	22 Nov 2024 12:34	JC\MD	Ok,M
7	VSTDICC005	VN085009.D	22 Nov 2024 12:57	JC\MD	Ok,M
8	VSTDICC001	VN085010.D	22 Nov 2024 13:45	JC\MD	Ok,M
9	IBLK	VN085011.D	22 Nov 2024 14:09	JC\MD	Ok
10	VSTDICV050	VN085012.D	22 Nov 2024 16:07	JC\MD	Ok,M
11	VN1122WBL01	VN085013.D	22 Nov 2024 17:05	JC\MD	Ok
12	VN1122WBS01	VN085014.D	22 Nov 2024 18:05	JC\MD	Ok,M
13	VN1122WBSD01	VN085015.D	22 Nov 2024 18:29	JC\MD	Ok,M
14	P4845-21	VN085016.D	22 Nov 2024 19:17	JC\MD	Dilution
15	P4845-22	VN085017.D	22 Nov 2024 19:41	JC\MD	ReRun
16	P4845-23	VN085018.D	22 Nov 2024 20:05	JC\MD	Ok,M
17	P4845-24	VN085019.D	22 Nov 2024 20:29	JC\MD	Ok,M
18	VSTDCCC050	VN085020.D	22 Nov 2024 20:52	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN121724

Review By	Mahesh Dadoda	Review On	12/18/2024 8:34:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:47:06 AM
SubDirectory	VN121724	HP Acquire Method	HP Processing Method 82N112224W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132175		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132176,VP132177		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085217.D	17 Dec 2024 11:36	JC\MD	Ok
2	VSTDCCC050	VN085218.D	17 Dec 2024 12:10	JC\MD	Ok,M
3	VN1217MBL01	VN085219.D	17 Dec 2024 12:44	JC\MD	Ok
4	VN1217WBL01	VN085220.D	17 Dec 2024 13:08	JC\MD	Ok
5	VN1217WBS01	VN085221.D	17 Dec 2024 13:32	JC\MD	Not Ok
6	VN1217WBS02	VN085222.D	17 Dec 2024 14:09	JC\MD	Ok,M
7	VN1217WBSD02	VN085223.D	17 Dec 2024 14:44	JC\MD	Ok,M
8	P5270-07DL	VN085224.D	17 Dec 2024 15:08	JC\MD	Ok,M
9	P5270-08	VN085225.D	17 Dec 2024 15:32	JC\MD	Ok,M
10	IBLK	VN085226.D	17 Dec 2024 15:56	JC\MD	Ok
11	P5313-01	VN085227.D	17 Dec 2024 16:21	JC\MD	Ok
12	P5291-12	VN085228.D	17 Dec 2024 16:45	JC\MD	Ok
13	P5291-11	VN085229.D	17 Dec 2024 17:09	JC\MD	ReRun
14	P5291-02	VN085230.D	17 Dec 2024 17:33	JC\MD	Ok
15	P5291-03	VN085231.D	17 Dec 2024 17:57	JC\MD	Ok
16	P5291-04	VN085232.D	17 Dec 2024 18:21	JC\MD	Ok
17	P5291-05	VN085233.D	17 Dec 2024 18:46	JC\MD	Dilution
18	P5291-06	VN085234.D	17 Dec 2024 19:10	JC\MD	Dilution
19	P5291-10	VN085235.D	17 Dec 2024 19:34	JC\MD	Dilution
20	PB165668TB	VN085236.D	17 Dec 2024 19:58	JC\MD	Dilution
21	P5291-13	VN085237.D	17 Dec 2024 20:22	JC\MD	Ok,M

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN121724

Review By	Mahesh Dadoda	Review On	12/18/2024 8:34:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:47:06 AM
SubDirectory	VN121724	HP Acquire Method	HP Processing Method 82N112224W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132175		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132176,VP132177		

22	P5291-01	VN085238.D	17 Dec 2024 20:47	JC\MD	Ok
23	P5291-07	VN085239.D	17 Dec 2024 21:11	JC\MD	Dilution
24	P5291-08MS	VN085240.D	17 Dec 2024 21:35	JC\MD	Ok,M
25	P5291-09MSD	VN085241.D	17 Dec 2024 21:59	JC\MD	Ok,M
26	VSTDCCC050	VN085242.D	17 Dec 2024 22:24	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN121824

Review By	John Carlone	Review On	12/20/2024 10:06:53 AM
Supervise By	Mahesh Dadoda	Supervise On	12/20/2024 10:50:34 AM
SubDirectory	VN121824	HP Acquire Method	HP Processing Method 82N121824W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP132213		
Initial Calibration Stds	VP132219,VP132220,VP132221,VP132222,VP132223,VP132224		
CCC	VP132214,VP132215		
Internal Standard/PEM			
ICV/I.BLK	VP132225		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085243.D	18 Dec 2024 08:37	JC\MD	Ok
2	VSTDCCC050	VN085244.D	18 Dec 2024 11:23	JC\MD	Not Ok
3	VSTDICC100	VN085245.D	18 Dec 2024 11:56	JC\MD	Ok,M
4	VSTDICCC050	VN085246.D	18 Dec 2024 12:20	JC\MD	Ok,M
5	VSTDICC020	VN085247.D	18 Dec 2024 12:44	JC\MD	Ok
6	VSTDICC010	VN085248.D	18 Dec 2024 13:08	JC\MD	Ok,M
7	VSTDICC005	VN085249.D	18 Dec 2024 13:33	JC\MD	Ok,M
8	VSTDICC001	VN085250.D	18 Dec 2024 13:57	JC\MD	Ok,M
9	IBLK	VN085251.D	18 Dec 2024 14:45	JC\MD	Ok
10	VSTDICV050	VN085252.D	18 Dec 2024 15:28	JC\MD	Ok,M
11	VN1218MBL01	VN085253.D	18 Dec 2024 16:01	JC\MD	Ok
12	VN1218WBL01	VN085254.D	18 Dec 2024 16:26	JC\MD	Ok
13	VN1218WBS01	VN085255.D	18 Dec 2024 16:50	JC\MD	Ok,M
14	VN1218WBSD01	VN085256.D	18 Dec 2024 17:32	JC\MD	Ok,M
15	P5291-05DL	VN085257.D	18 Dec 2024 17:56	JC\MD	Ok,M
16	P5291-07DL	VN085258.D	18 Dec 2024 18:20	JC\MD	Ok
17	P5291-10DL	VN085259.D	18 Dec 2024 18:44	JC\MD	Ok
18	P5291-06DL	VN085260.D	18 Dec 2024 19:09	JC\MD	Ok,M
19	P5291-11	VN085261.D	18 Dec 2024 19:33	JC\MD	Ok
20	VSTDCCC050	VN085262.D	18 Dec 2024 19:57	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM
SubDirectory	VN112224	HP Acquire Method	HP Processing Method 82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131747
Initial Calibration Stds	VP131752,VP131753,VP131754,VP131755,VP131756,VP131757
CCC	VP131751
Internal Standard/PEM	
ICV/I.BLK	VP131758
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085003.D	22 Nov 2024 09:29		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085004.D	22 Nov 2024 10:40	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085005.D	22 Nov 2024 11:22		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085006.D	22 Nov 2024 11:46		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085007.D	22 Nov 2024 12:10	Comp. #18 is on Linear Regression	JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085008.D	22 Nov 2024 12:34		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN085009.D	22 Nov 2024 12:57		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN085010.D	22 Nov 2024 13:45		JC\MD	Ok,M
9	IBLK	IBLK	VN085011.D	22 Nov 2024 14:09		JC\MD	Ok
10	VSTDICV050	ICVVN112224	VN085012.D	22 Nov 2024 16:07		JC\MD	Ok,M
11	VN1122WBL01	VN1122WBL01	VN085013.D	22 Nov 2024 17:05		JC\MD	Ok
12	VN1122WBS01	VN1122WBS01	VN085014.D	22 Nov 2024 18:05		JC\MD	Ok,M
13	VN1122WBSD01	VN1122WBSD01	VN085015.D	22 Nov 2024 18:29		JC\MD	Ok,M
14	P4845-21	FSND-MW-13-202411	VN085016.D	22 Nov 2024 19:17	vial A pH<2 Need 5X	JC\MD	Dilution
15	P4845-22	FSND-MW-11R-202411	VN085017.D	22 Nov 2024 19:41	vial A pH<2 E flage in previous sample	JC\MD	ReRun
16	P4845-23	FSND-MW-18-202411	VN085018.D	22 Nov 2024 20:05	vial A pH<2	JC\MD	Ok,M
17	P4845-24	FSND-MW-20-202411	VN085019.D	22 Nov 2024 20:29	vial A pH<2	JC\MD	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN112224

Review By	John Carlone	Review On	11/25/2024 9:42:43 AM				
Supervise By	Mahesh Dadoda	Supervise On	11/25/2024 2:03:31 PM				
SubDirectory	VN112224	HP Acquire Method	HP Processing Method		82N112224W.M		
STD. NAME		STD REF.#					
Tune/Reschk		VP131747					
Initial Calibration Stds		VP131752,VP131753,VP131754,VP131755,VP131756,VP131757					
CCC		VP131751					
Internal Standard/PEM							
ICV/I.BLK		VP131758					
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

18	VSTDCCC050	VSTDCCC050EC	VN085020.D	22 Nov 2024 20:52		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN121724

Review By	Maresh Dadoda	Review On	12/18/2024 8:34:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:47:06 AM
SubDirectory	VN121724	HP Acquire Method	HP Processing Method 82N112224W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132175		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132176,VP132177		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085217.D	17 Dec 2024 11:36		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085218.D	17 Dec 2024 12:10	V13516	JC\MD	Ok,M
3	VN1217MBL01	VN1217MBL01	VN085219.D	17 Dec 2024 12:44		JC\MD	Ok
4	VN1217WBL01	VN1217WBL01	VN085220.D	17 Dec 2024 13:08		JC\MD	Ok
5	VN1217WBS01	VN1217WBS01	VN085221.D	17 Dec 2024 13:32	Recovery failed	JC\MD	Not Ok
6	VN1217WBS02	VN1217WBS02	VN085222.D	17 Dec 2024 14:09		JC\MD	Ok,M
7	VN1217WBSD02	VN1217WBSD02	VN085223.D	17 Dec 2024 14:44		JC\MD	Ok,M
8	P5270-07DL	MW12-20241212DL	VN085224.D	17 Dec 2024 15:08	vial B pH<2	JC\MD	Ok,M
9	P5270-08	MW14-20241212	VN085225.D	17 Dec 2024 15:32	vial B pH<2 Need 5X; BS failed high for comp. #39,67,69,73,84	JC\MD	Ok,M
10	IBLK	IBLK	VN085226.D	17 Dec 2024 15:56		JC\MD	Ok
11	P5313-01	FMI109	VN085227.D	17 Dec 2024 16:21	vial A pH<2	JC\MD	Ok
12	P5291-12	TRIP BLANK	VN085228.D	17 Dec 2024 16:45	vial A pH<2 TB	JC\MD	Ok
13	P5291-11	EQUIP-BLANK-202412	VN085229.D	17 Dec 2024 17:09	vial A pH<2 EB;Hit of comp.#16	JC\MD	ReRun
14	P5291-02	MW10D-20241213	VN085230.D	17 Dec 2024 17:33	vial A pH<2	JC\MD	Ok
15	P5291-03	MW4-20241213	VN085231.D	17 Dec 2024 17:57	vial A pH<2	JC\MD	Ok
16	P5291-04	MW5-20241213	VN085232.D	17 Dec 2024 18:21	vial A pH<2	JC\MD	Ok
17	P5291-05	MW2-20241213	VN085233.D	17 Dec 2024 18:46	vial A pH<2 Need 5X	JC\MD	Dilution

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN121724

Review By	Maresh Dadoda	Review On	12/18/2024 8:34:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/18/2024 8:47:06 AM
SubDirectory	VN121724	HP Acquire Method	HP Processing Method 82N112224W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP132175		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132176,VP132177		

18	P5291-06	MW3-20241213	VN085234.D	17 Dec 2024 19:10	vial A pH<2 Need 20X	JC\MD	Dilution
19	P5291-10	MW6-20241213-A	VN085235.D	17 Dec 2024 19:34	vial A pH<2 Need 10X	JC\MD	Dilution
20	PB165668TB	PB165668TB	VN085236.D	17 Dec 2024 19:58		JC\MD	Dilution
21	P5291-13	WC-20241213	VN085237.D	17 Dec 2024 20:22	vial A pH<2	JC\MD	Ok,M
22	P5291-01	MW1A-20241213	VN085238.D	17 Dec 2024 20:47	vial A pH<2	JC\MD	Ok
23	P5291-07	MW6-20241213	VN085239.D	17 Dec 2024 21:11	vial A pH<2 Need 10X	JC\MD	Dilution
24	P5291-08MS	MW6-20241213MS	VN085240.D	17 Dec 2024 21:35	vial A pH<2	JC\MD	Ok,M
25	P5291-09MSD	MW6-20241213MSD	VN085241.D	17 Dec 2024 21:59	vial A pH<2	JC\MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VN085242.D	17 Dec 2024 22:24		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN121824

Review By	John Carlone	Review On	12/20/2024 10:06:53 AM
Supervise By	Maresh Dadoda	Supervise On	12/20/2024 10:50:34 AM
SubDirectory	VN121824	HP Acquire Method	HP Processing Method 82N121824W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132213
Initial Calibration Stds	VP132219,VP132220,VP132221,VP132222,VP132223,VP132224
CCC	VP132214,VP132215
Internal Standard/PEM	
ICV/I.BLK	VP132225
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085243.D	18 Dec 2024 08:37		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085244.D	18 Dec 2024 11:23	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085245.D	18 Dec 2024 11:56		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085246.D	18 Dec 2024 12:20		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085247.D	18 Dec 2024 12:44	Comp.#6,56,58,86 is on Linear Regression	JC\MD	Ok
6	VSTDICC010	VSTDICC010	VN085248.D	18 Dec 2024 13:08		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN085249.D	18 Dec 2024 13:33		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN085250.D	18 Dec 2024 13:57		JC\MD	Ok,M
9	IBLK	IBLK	VN085251.D	18 Dec 2024 14:45		JC\MD	Ok
10	VSTDICV050	ICVVN121824	VN085252.D	18 Dec 2024 15:28		JC\MD	Ok,M
11	VN1218MBL01	VN1218MBL01	VN085253.D	18 Dec 2024 16:01		JC\MD	Ok
12	VN1218WBL01	VN1218WBL01	VN085254.D	18 Dec 2024 16:26		JC\MD	Ok
13	VN1218WBS01	VN1218WBS01	VN085255.D	18 Dec 2024 16:50		JC\MD	Ok,M
14	VN1218WBSD01	VN1218WBSD01	VN085256.D	18 Dec 2024 17:32		JC\MD	Ok,M
15	P5291-05DL	MW2-20241213DL	VN085257.D	18 Dec 2024 17:56	vial B pH<2	JC\MD	Ok,M
16	P5291-07DL	MW6-20241213DL	VN085258.D	18 Dec 2024 18:20	vial B pH<2	JC\MD	Ok
17	P5291-10DL	MW6-20241213-ADL	VN085259.D	18 Dec 2024 18:44	vial B pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN121824

Review By	John Carlone	Review On	12/20/2024 10:06:53 AM
Supervise By	Maresh Dadoda	Supervise On	12/20/2024 10:50:34 AM
SubDirectory	VN121824	HP Acquire Method	HP Processing Method 82N121824W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP132213		
Initial Calibration Stds	VP132219,VP132220,VP132221,VP132222,VP132223,VP132224		
CCC	VP132214,VP132215		
Internal Standard/PEM			
ICV/I.BLK	VP132225		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	P5291-06DL	MW3-20241213DL	VN085260.D	18 Dec 2024 19:09	vial B pH<2	JC\MD	Ok,M
19	P5291-11	EQUIP-BLANK-202412	VN085261.D	18 Dec 2024 19:33	vial B pH<2	JC\MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VN085262.D	18 Dec 2024 19:57		JC\MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfield Rd.
CITY: Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore
PHONE: 315-418-8767 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed Atlantic Ave
PROJECT NO.: 453957 LOCATION: Brooklyn, NY
PROJECT MANAGER: Stephen Liberatore
e-mail: stephen.liberatore@parsons.com
PHONE: 315-418-8767 FAX:

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#:
ADDRESS: 301 Plainfield Rd.
CITY: Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen L. PHONE: 315-418-8767

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: Standard DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

VOC+TICS
SVOC+TICS
Sulfate
TDS

1 2 3 4 5 6 7 8 9

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A	E	E	E						
1.	MW1A-20241213	GW		X	12-13-24	0835	4	X			X	X					
2.	MW10D-20241213	GW		X	12-13-24	0950	4	X			X	X					
3.	MW4-20241213	GW		X	12-13-24	1104	4	X			X	X					
4.	MW5-20241213	GW		X	12-13-24	1212	4	X			X	X					
5.	MW2-20241213	GW		X	12-13-24	1322	5	X	X	X	X	X					
6.	MW3-20241213	GW		X	12-13-24	1422	5	X	X	X	X	X					
7.	MW6-20241213	GW		X	12-13-24	1518	15	X	X	X	X	X					
8.	MW6-20241213A	GW		X	12-13-24	1518	5	X	X	X	X	X					
9.	Equip Blank-20241213	W		X	12-13-24	1730	5	X	X	X	X	X					
10.	Trip Blank	W		X	12-6-24		2	X									

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

RELINQUISHED BY SAMPLER: 1. <u>Bill Chaky</u>	DATE/TIME: <u>12-13-24/2001</u>	RECEIVED BY: <u>[Signature]</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u>12-16-24</u>	RECEIVED BY: <u>[Signature]</u>
RELINQUISHED BY SAMPLER: 3. <u></u>	DATE/TIME: <u></u>	RECEIVED BY: <u></u>

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments: IR Cont #1

Page of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfield Rd.
CITY: Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore
PHONE: 315-418-8767 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed Atlantic Ave
PROJECT NO.: 453957 LOCATION: Brooklyn, NY
PROJECT MANAGER: Stephen Liberatore
e-mail: stephen.liberatore@parsons.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#:
ADDRESS: 301 Plainfield Rd.
CITY: Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen L. PHONE:
ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

TCLP BNA
PCB
Flash Point
PH
React CN/Sulfide
TCLP VOC
TCLP Metals/Hg

ALLIANCE
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE
COMP GRAB

SAMPLE
COLLECTION
DATE TIME

OF BOTTLES

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

1.
2.
3.
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5.
6.
7.
8.
9.
10.

WC-20241213

GW

X

12-13-24

1700

8

E

E

E

E

E

A

E

X

X

X

X

X

X

X

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

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP

Comments:

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO



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

Laboratory Certification

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

LOGIN REPORT/SAMPLE TRANSFER

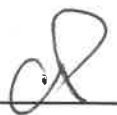
Order ID : P5291	PARS02	Order Date : 12/16/2024 10:45:00 AM	Project Mgr :
Client Name : PARSONS Main of New Yc		Project Name : Con Edison Non-MGP - Atl	Report Type : Results Only
Client Contact : Stephen Liberatore		Receive DateTime : 12/16/2024 7:30:00 AM	EDD Type : Excel NY
Invoice Name : PARSONS Main of New Yc		Purchase Order :	Hard Copy Date :
Invoice Contact : Stephen Liberatore			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5291-01	MW1A-20241213	Water	12/13/2024	08:35					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	5 days
P5291-02	MW10D-20241213	Water	12/13/2024	09:50					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
P5291-03	MW4-20241213	Water	12/13/2024	11:04					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
P5291-04	MW5-20241213	Water	12/13/2024	12:12					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
P5291-05	MW2-20241213	Water	12/13/2024	13:22					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
P5291-06	MW3-20241213	Water	12/13/2024	14:22					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
P5291-07	MW6-20241213	Water	12/13/2024	15:18					
					VOCMS Group1		8260-Low	~~10~~ Bus. Days	
P5291-08	P5291-07MS	Water	12/13/2024	15:18					

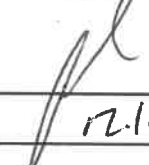
LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5291	PARS02	Order Date : 12/16/2024 10:45:00 AM	Project Mgr :
Client Name : PARSONS Main of New Yc		Project Name : Con Edison Non-MGP - Atl	Report Type : Results Only
Client Contact : Stephen Liberatore		Receive DateTime : 12/16/2024 7:30:00 AM	EDD Type : Excel NY
Invoice Name : PARSONS Main of New Yc		Purchase Order :	Hard Copy Date :
Invoice Contact : Stephen Liberatore			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P5291-09	P5291-07MSD	Water	12/13/2024	15:18	VOCMS Group1		8260-Low	~~10~~ Bus. Days	5 days
P5291-10	MW6-20241213-A	Water	12/13/2024	15:18	VOCMS Group1		8260-Low	~~10~~ Bus. Days	
P5291-11	EQUID-BLANK-20241213 ⁺ EQUIP-BLANK-20241213	Water	12/13/2024	17:30	VOCMS Group1		8260-Low	~~10~~ Bus. Days	
P5291-12	TB-20241216	Water	12/13/2024	00:00	VOCMS Group1		8260-Low	~~10~~ Bus. Days	
P5291-13	WC-20241213	Water	12/13/2024	17:00	VOCMS Group1		8260-Low	~~10~~ Bus. Days	
					TCLP VOA		8260D	10 Bus. Days	

Relinquished By : 

Date / Time : 12-16-24 11:25

Received By : 

Date / Time : 12-16-24 11:25

Storage Area : VOA Refridgerator Room