

Cover Page

Order ID : P5270

Project ID : Con Edison Non-MGP - Atlantic Avenue

Client : PARSONS Main of New York, Inc.

Lab Sample Number

P5270-01
P5270-02
P5270-03
P5270-04
P5270-05
P5270-06
P5270-07
P5270-08
P5270-09
P5270-10

Client Sample Number

MW8-20241211
MW11-20241211
MW15-20241211
MW17-20241211
MW9-20241212
MW13D-20241212
MW12-20241212
MW14-20241212
MW16D-20241212
TB-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: 12/18/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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 #: P5270

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: KETAN PATEL

Date: 12/18/2024

LAB CHRONICLE

OrderID:	P5270	OrderDate:	12/13/2024 10:02:00 AM
Client:	PARSONS Main of New York, Inc.	Project:	Con Edison Non-MGP - Atlantic Avenue
Contact:	Stephen Liberatore	Location:	L61,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5270-01	MW8-20241211	Water	VOCMS Group1	8260-Low	12/11/24		12/13/24	12/13/24
P5270-02	MW11-20241211	Water	VOCMS Group1	8260-Low	12/11/24		12/13/24	12/13/24
P5270-03	MW15-20241211	Water	VOCMS Group1	8260-Low	12/11/24		12/13/24	12/13/24
P5270-04	MW17-20241211	Water	VOCMS Group1	8260-Low	12/11/24		12/13/24	12/13/24
P5270-05	MW9-20241212	Water	VOCMS Group1	8260-Low	12/12/24		12/13/24	12/13/24
P5270-06	MW13D-20241212	Water	VOCMS Group1	8260-Low	12/12/24		12/13/24	12/13/24
P5270-07	MW12-20241212	Water	VOCMS Group1	8260-Low	12/12/24		12/13/24	12/13/24
P5270-07DL	MW12-20241212DL	Water	VOCMS Group1	8260-Low	12/12/24		12/17/24	12/13/24
P5270-08	MW14-20241212	Water	VOCMS Group1	8260-Low	12/12/24		12/17/24	12/13/24
P5270-09	MW16D-20241212	Water	VOCMS Group1	8260-Low	12/12/24		12/13/24	12/13/24
P5270-10	TB-20241213	Water	VOCMS Group1	8260-Low	12/13/24		12/13/24	12/13/24

Hit Summary Sheet
SW-846

SDG No.: P5270

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW8-20241211							
P5270-01	MW8-20241211	Water	Chloroform	17.1		0.26	1.00	ug/L
P5270-01	MW8-20241211	Water	Tetrachloroethene	0.68	J	0.25	1.00	ug/L
			Total Voc :	17.8				
			Total Concentration:	17.8				
Client ID:	MW11-20241211							
P5270-02	MW11-20241211	Water	Methyl tert-butyl Ether	0.82	J	0.16	1.00	ug/L
P5270-02	MW11-20241211	Water	Tetrachloroethene	2.80		0.25	1.00	ug/L
			Total Voc :	3.62				
			Total Concentration:	3.62				
Client ID:	MW15-20241211							
P5270-03	MW15-20241211	Water	Carbon Tetrachloride	6.10		0.25	1.00	ug/L
P5270-03	MW15-20241211	Water	Bromochloromethane	0.60	J	0.18	1.00	ug/L
P5270-03	MW15-20241211	Water	Chloroform	3.00		0.26	1.00	ug/L
P5270-03	MW15-20241211	Water	Dibromochloromethane	0.67	JQ	0.18	1.00	ug/L
P5270-03	MW15-20241211	Water	Tetrachloroethene	1.00		0.25	1.00	ug/L
P5270-03	MW15-20241211	Water	Bromoform	0.69	JQ	0.21	1.00	ug/L
			Total Voc :	12.1				
P5270-03	MW15-20241211	Water	Isopropyl Acetate	* 0.31	J	0.29	1.00	ug/L
P5270-03	MW15-20241211	Water	1,1-Dichloropropene	* 5.40	J	0.18	1.00	ug/L
P5270-03	MW15-20241211	Water	1,2,3-Trichloropropane	* 33.3	J	0.39	1.00	ug/L
P5270-03	MW15-20241211	Water	trans-1,4-Dichloro-2-butene	* 73.5	J	0.63	5.00	ug/L
			Total Tics :	113				
			Total Concentration:	125				
Client ID:	MW17-20241211							
P5270-04	MW17-20241211	Water	Carbon Tetrachloride	6.00		0.25	1.00	ug/L
P5270-04	MW17-20241211	Water	Bromochloromethane	2.60		0.18	1.00	ug/L
P5270-04	MW17-20241211	Water	Chloroform	12.0		0.26	1.00	ug/L
P5270-04	MW17-20241211	Water	Dibromochloromethane	0.40	JQ	0.18	1.00	ug/L
P5270-04	MW17-20241211	Water	Tetrachloroethene	0.58	J	0.25	1.00	ug/L
P5270-04	MW17-20241211	Water	Bromoform	0.50	JQ	0.21	1.00	ug/L
			Total Voc :	22.1				
P5270-04	MW17-20241211	Water	1,1-Dichloropropene	* 5.40	J	0.18	1.00	ug/L
P5270-04	MW17-20241211	Water	1,2,3-Trichloropropane	* 33.3	J	0.39	1.00	ug/L
P5270-04	MW17-20241211	Water	trans-1,4-Dichloro-2-butene	* 73.6	J	0.63	5.00	ug/L
			Total Tics :	112				
			Total Concentration:	134				
Client ID:	MW9-20241212							
P5270-05	MW9-20241212	Water	Carbon Tetrachloride	5.70		0.25	1.00	ug/L

Hit Summary Sheet SW-846

SDG No.: P5270

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5270-05	MW9-20241212	Water	Bromochloromethane	4.60		0.18	1.00	ug/L
P5270-05	MW9-20241212	Water	Chloroform	21.1		0.26	1.00	ug/L
P5270-05	MW9-20241212	Water	Dibromochloromethane	0.69	JQ	0.18	1.00	ug/L
P5270-05	MW9-20241212	Water	Tetrachloroethene	1.10		0.25	1.00	ug/L
Total Voc :				33.2				
P5270-05	MW9-20241212	Water	1,1-Dichloropropene	* 5.00	J	0.18	1.00	ug/L
P5270-05	MW9-20241212	Water	1,2,3-Trichloropropane	* 33.6	J	0.39	1.00	ug/L
P5270-05	MW9-20241212	Water	trans-1,4-Dichloro-2-butene	* 74.3	J	0.63	5.00	ug/L
Total Tics :				113				
Total Concentration:				146				
Client ID:	MW13D-20241212							
P5270-06	MW13D-20241212	Water	Carbon Tetrachloride	5.90		0.25	1.00	ug/L
P5270-06	MW13D-20241212	Water	Chloroform	1.00		0.26	1.00	ug/L
P5270-06	MW13D-20241212	Water	Dibromochloromethane	1.20	Q	0.18	1.00	ug/L
P5270-06	MW13D-20241212	Water	Tetrachloroethene	1.70		0.25	1.00	ug/L
P5270-06	MW13D-20241212	Water	Bromoform	0.30	JQ	0.21	1.00	ug/L
Total Voc :				10.1				
P5270-06	MW13D-20241212	Water	Isopropyl Acetate	* 0.30	J	0.29	1.00	ug/L
P5270-06	MW13D-20241212	Water	1,1-Dichloropropene	* 5.30	J	0.18	1.00	ug/L
P5270-06	MW13D-20241212	Water	1,2,3-Trichloropropane	* 31.9	J	0.39	1.00	ug/L
P5270-06	MW13D-20241212	Water	trans-1,4-Dichloro-2-butene	* 70.4	J	0.63	5.00	ug/L
Total Tics :				108				
Total Concentration:				118				
Client ID:	MW12-20241212							
P5270-07	MW12-20241212	Water	Methylcyclohexane	28.9		0.19	1.00	ug/L
P5270-07	MW12-20241212	Water	Benzene	4.60		0.16	1.00	ug/L
P5270-07	MW12-20241212	Water	Trichloroethene	0.56	J	0.32	1.00	ug/L
P5270-07	MW12-20241212	Water	Toluene	2.40		0.18	1.00	ug/L
P5270-07	MW12-20241212	Water	Ethyl Benzene	300	E	0.16	1.00	ug/L
P5270-07	MW12-20241212	Water	m/p-Xylenes	16.5		0.31	2.00	ug/L
P5270-07	MW12-20241212	Water	o-Xylene	15.6		0.14	1.00	ug/L
P5270-07	MW12-20241212	Water	Isopropylbenzene	95.2		0.13	1.00	ug/L
Total Voc :				464				
P5270-07	MW12-20241212	Water	Benzene, 1,2,4,5-tetramethyl-	* 52.0	J	0	0	ug/L
P5270-07	MW12-20241212	Water	Indane	* 140	J	0	0	ug/L
P5270-07	MW12-20241212	Water	Benzene, 1-ethyl-2-methyl-	* 37.2	J	0	0	ug/L
P5270-07	MW12-20241212	Water	Benzene, 2-ethenyl-1,4-dimethyl-	* 41.3	J	0	0	ug/L

Hit Summary Sheet
SW-846

SDG No.: P5270

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5270-07	MW12-20241212	Water	2-Methylindene	* 87.2	J	0	0	ug/L
P5270-07	MW12-20241212	Water	Sulfur dioxide	* 58.9	J	0	0	ug/L
P5270-07	MW12-20241212	Water	Benzene, 1-ethenyl-3-ethyl-	* 66.9	J	0	0	ug/L
P5270-07	MW12-20241212	Water	Benzene, (1-methyl-2-cyclopro	* 32.0	J	0	0	ug/L
P5270-07	MW12-20241212	Water	n-propylbenzene	* 110	J	0.14	1.00	ug/L
P5270-07	MW12-20241212	Water	1,3,5-Trimethylbenzene	* 40.5	J	0.18	1.00	ug/L
P5270-07	MW12-20241212	Water	1,2,4-Trimethylbenzene	* 350	J	0.18	1.00	ug/L
P5270-07	MW12-20241212	Water	sec-Butylbenzene	* 4.70	J	0.17	1.00	ug/L
P5270-07	MW12-20241212	Water	p-Isopropyltoluene	* 9.60	J	0.15	1.00	ug/L
P5270-07	MW12-20241212	Water	n-Butylbenzene	* 11.1	J	0.22	1.00	ug/L
Total Tics :				1040				
Total Concentration:				1510				
Client ID:	MW12-20241212DL							
P5270-07DL	MW12-20241212DL	Water	Methylcyclohexane	31.8	D	0.95	5.00	ug/L
P5270-07DL	MW12-20241212DL	Water	Benzene	6.20	D	0.80	5.00	ug/L
P5270-07DL	MW12-20241212DL	Water	Toluene	3.20	JD	0.90	5.00	ug/L
P5270-07DL	MW12-20241212DL	Water	Ethyl Benzene	380	D	0.80	5.00	ug/L
P5270-07DL	MW12-20241212DL	Water	m/p-Xylenes	21.1	D	1.60	10.0	ug/L
P5270-07DL	MW12-20241212DL	Water	o-Xylene	18.3	D	0.70	5.00	ug/L
P5270-07DL	MW12-20241212DL	Water	Isopropylbenzene	100	D	0.65	5.00	ug/L
Total Voc :				561				
Total Concentration:				561				
Client ID:	MW14-20241212							
P5270-08	MW14-20241212	Water	Methylcyclohexane	15.5		0.19	1.00	ug/L
P5270-08	MW14-20241212	Water	Benzene	0.98	J	0.16	1.00	ug/L
P5270-08	MW14-20241212	Water	Toluene	0.80	J	0.18	1.00	ug/L
P5270-08	MW14-20241212	Water	Ethyl Benzene	17.7		0.16	1.00	ug/L
P5270-08	MW14-20241212	Water	m/p-Xylenes	1.70	J	0.31	2.00	ug/L
P5270-08	MW14-20241212	Water	o-Xylene	6.90		0.14	1.00	ug/L
P5270-08	MW14-20241212	Water	Isopropylbenzene	110	E	0.13	1.00	ug/L
Total Voc :				154				
P5270-08	MW14-20241212	Water	Benzene, 1,2,4,5-tetramethyl-	* 29.8	J	0	0	ug/L
P5270-08	MW14-20241212	Water	Indane	* 88.0	J	0	0	ug/L
P5270-08	MW14-20241212	Water	Benzene, 1-ethyl-2-methyl-	* 34.7	J	0	0	ug/L
P5270-08	MW14-20241212	Water	1,4-Dihydronaphthalene	* 17.9	J	0	0	ug/L
P5270-08	MW14-20241212	Water	2-Methylindene	* 22.3	J	0	0	ug/L
P5270-08	MW14-20241212	Water	Benzene, 1-ethenyl-4-ethyl-	* 24.6	J	0	0	ug/L

Hit Summary Sheet SW-846

SDG No.: P5270

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5270-08	MW14-20241212	Water	Benzene, 1-ethenyl-3-ethyl-	* 44.2	J	0	0	ug/L
P5270-08	MW14-20241212	Water	Benzene,1-methyl-1,2-propadic	* 85.5	J	0	0	ug/L
P5270-08	MW14-20241212	Water	n-propylbenzene	* 99.2	J	0.14	1.00	ug/L
P5270-08	MW14-20241212	Water	1,3,5-Trimethylbenzene	* 28.4	J	0.18	1.00	ug/L
P5270-08	MW14-20241212	Water	1,2,4-Trimethylbenzene	* 750	J	0.18	1.00	ug/L
P5270-08	MW14-20241212	Water	p-Isopropyltoluene	* 22.1	J	0.15	1.00	ug/L
Client ID:	MW16D-20241212	Total Tics :			1250			
		Total Concentration:			1400			
P5270-09	MW16D-20241212	Water	Chloroform	16.5		0.26	1.00	ug/L
P5270-09	MW16D-20241212	Water	Tetrachloroethene	1.00		0.25	1.00	ug/L
Client ID:	TB-20241213	Total Voc :			17.5			
P5270-09	MW16D-20241212	Water	Acenaphthene	* 49.0	J	0	0	ug/L
P5270-09	MW16D-20241212	Water	Naphthalene, 1-methyl-	* 16.4	J	0	0	ug/L
P5270-09	MW16D-20241212	Water	Naphthalene, 1,4-dimethyl-	* 12.4	J	0	0	ug/L
P5270-09	MW16D-20241212	Water	Naphthalene, 1,5-dimethyl-	* 14.1	J	0	0	ug/L
P5270-09	MW16D-20241212	Water	Naphthalene, 1,3-dimethyl-	* 19.5	J	0	0	ug/L
P5270-09	MW16D-20241212	Water	Naphthalene, 1,6-dimethyl-	* 40.3	J	0	0	ug/L
P5270-09	MW16D-20241212	Water	Naphthalene, 2,3-dimethyl-	* 69.7	J	0	0	ug/L
P5270-09	MW16D-20241212	Water	Naphthalene, 2,7-dimethyl-	* 19.8	J	0	0	ug/L
P5270-09	MW16D-20241212	Water	Naphthalene, 1-ethyl-	* 45.9	J	0	0	ug/L
P5270-09	MW16D-20241212	Water	Sulfur dioxide	* 19.9	J	0	0	ug/L
P5270-09	MW16D-20241212	Water	n-propylbenzene	* 0.31	J	0.14	1.00	ug/L
P5270-09	MW16D-20241212	Water	1,2,4-Trimethylbenzene	* 1.70	J	0.18	1.00	ug/L
P5270-09	MW16D-20241212	Water	Naphthalene	* 48.4	J	0.59	1.00	ug/L
Client ID:	TB-20241213	Total Tics :			357			
		Total Concentration:			375			
P5270-10	TB-20241213	Water	Sulfur dioxide	* 13.1	J	0	0	ug/L
P5270-10	TB-20241213	Water	Naphthalene	* 4.60	J	0.59	1.00	ug/L
Client ID:	TB-20241213	Total Tics :			17.7			
		Total Concentration:			17.7			



QC SUMMARY

Surrogate Summary

SDG No.: **P5270**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
P5270-01	MW8-20241211	1,2-Dichloroethane-d4	50	50.8	102	74	125
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	48.8	98	86	113
		4-Bromofluorobenzene	50	44.1	88	77	121
P5270-02	MW11-20241211	1,2-Dichloroethane-d4	50	52.3	105	74	125
		Dibromofluoromethane	50	51.8	104	75	124
		Toluene-d8	50	49.6	99	86	113
		4-Bromofluorobenzene	50	47.0	94	77	121
P5270-03	MW15-20241211	1,2-Dichloroethane-d4	50	50.6	101	74	125
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	48.8	98	86	113
		4-Bromofluorobenzene	50	43.6	87	77	121
P5270-04	MW17-20241211	1,2-Dichloroethane-d4	50	53.5	107	74	125
		Dibromofluoromethane	50	52.2	104	75	124
		Toluene-d8	50	48.2	96	86	113
		4-Bromofluorobenzene	50	43.7	87	77	121
P5270-05	MW9-20241212	1,2-Dichloroethane-d4	50	51.9	104	74	125
		Dibromofluoromethane	50	51.0	102	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	42.9	86	77	121
P5270-06	MW13D-20241212	1,2-Dichloroethane-d4	50	52.6	105	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	44.0	88	77	121
P5270-07	MW12-20241212	1,2-Dichloroethane-d4	50	50.7	101	74	125
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	52.0	104	86	113
		4-Bromofluorobenzene	50	54.6	109	77	121
P5270-07DL	MW12-20241212DL	1,2-Dichloroethane-d4	50	53.0	106	74	125
		Dibromofluoromethane	50	51.4	103	75	124
		Toluene-d8	50	51.8	104	86	113
		4-Bromofluorobenzene	50	54.3	109	77	121
P5270-08	MW14-20241212	1,2-Dichloroethane-d4	50	45.9	92	74	125
		Dibromofluoromethane	50	48.0	96	75	124
		Toluene-d8	50	48.3	97	86	113
		4-Bromofluorobenzene	50	52.0	104	77	121
P5270-09	MW16D-20241212	1,2-Dichloroethane-d4	50	44.9	90	74	125
		Dibromofluoromethane	50	48.0	96	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	50.9	102	77	121
P5270-10	TB-20241213	1,2-Dichloroethane-d4	50	49.1	98	74	125
		Dibromofluoromethane	50	48.7	97	75	124
		Toluene-d8	50	48.0	96	86	113
		4-Bromofluorobenzene	50	46.0	92	77	121
VN1213WBL01	VN1213WBL01	1,2-Dichloroethane-d4	50	50.6	101	74	125
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	41.9	84	77	121
VN1213WBS01	VN1213WBS01	1,2-Dichloroethane-d4	50	45.9	92	74	125
		Dibromofluoromethane	50	49.6	99	75	124

Surrogate Summary

SDG No.: P5270

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN1213WBS01	VN1213WBS01	Toluene-d8	50	47.5	95	86	113
		4-Bromofluorobenzene	50	46.8	94	77	121
VN1213WBSD0	VN1213WBSD01	1,2-Dichloroethane-d4	50	48.1	96	74	125
		Dibromofluoromethane	50	49.7	99	75	124
		Toluene-d8	50	47.1	94	86	113
		4-Bromofluorobenzene	50	48.0	96	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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5270

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN085192.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1213WBS01	Dichlorodifluoromethane	20	25.5	ug/L	128		*	69	116	
	Chloromethane	20	18.5	ug/L	93			65	116	
	Vinyl chloride	20	20.8	ug/L	104			65	117	
	Bromomethane	20	24.6	ug/L	123			58	125	
	Chloroethane	20	19.7	ug/L	99			56	128	
	Trichlorofluoromethane	20	20.3	ug/L	102			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99			80	112	
	1,1-Dichloroethene	20	18.7	ug/L	94			74	110	
	Acetone	100	100	ug/L	100			60	125	
	Carbon disulfide	20	19.3	ug/L	97			64	112	
	Methyl tert-butyl Ether	20	17.8	ug/L	89			78	114	
	Methyl Acetate	20	16.1	ug/L	81			67	125	
	Methylene Chloride	20	18.1	ug/L	91			72	114	
	trans-1,2-Dichloroethene	20	18.7	ug/L	94			75	108	
	1,1-Dichloroethane	20	17.9	ug/L	90			78	112	
	Cyclohexane	20	18.8	ug/L	94			75	110	
	2-Butanone	100	90.8	ug/L	91			65	122	
	Carbon Tetrachloride	20	20.5	ug/L	103			77	113	
	cis-1,2-Dichloroethene	20	17.6	ug/L	88			77	110	
	Bromochloromethane	20	16.6	ug/L	83			70	124	
	Chloroform	20	18.2	ug/L	91			79	113	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			80	108	
	Methylcyclohexane	20	19.2	ug/L	96			72	115	
	Benzene	20	19.1	ug/L	96			82	109	
	1,2-Dichloroethane	20	19.0	ug/L	95			80	115	
	Trichloroethene	20	19.9	ug/L	100			77	113	
	1,2-Dichloropropane	20	18.9	ug/L	95			83	111	
	Bromodichloromethane	20	19.3	ug/L	97			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.8	ug/L	99			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	18.7	ug/L	94			82	110	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			83	112	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	19.8	ug/L	99			82	110	
	1,2-Dibromoethane	20	19.4	ug/L	97			81	110	
	Tetrachloroethene	20	21.9	ug/L	110			67	123	
	Chlorobenzene	20	18.4	ug/L	92			82	109	
	Ethyl Benzene	20	19.4	ug/L	97			83	109	
	m/p-Xylenes	40	39.2	ug/L	98			82	110	
	o-Xylene	20	19.3	ug/L	97			83	109	
	Styrene	20	20.1	ug/L	101			80	111	
	Bromoform	20	20.4	ug/L	102			79	109	
	Isopropylbenzene	20	19.6	ug/L	98			83	112	
	1,1,2,2-Tetrachloroethane	20	17.8	ug/L	89			76	118	
	1,3-Dichlorobenzene	20	17.2	ug/L	86			82	108	
	1,4-Dichlorobenzene	20	16.7	ug/L	84			82	107	
	1,2-Dichlorobenzene	20	17.1	ug/L	86			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5270

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN085192.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1213WBS01	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			68	112	
	1,2,4-Trichlorobenzene	20	15.0	ug/L	75			75	113	
	1,2,3-Trichlorobenzene	20	15.6	ug/L	78			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5270

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN085193.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1213WBSD01	Dichlorodifluoromethane	20	27.3	ug/L	137	7	*	69	116	20
	Chloromethane	20	20.6	ug/L	103	10		65	116	20
	Vinyl chloride	20	22.7	ug/L	114	9		65	117	20
	Bromomethane	20	27.4	ug/L	137	11	*	58	125	20
	Chloroethane	20	21.2	ug/L	106	7		56	128	20
	Trichlorofluoromethane	20	22.0	ug/L	110	8		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/L	105	6		80	112	20
	1,1-Dichloroethene	20	20.0	ug/L	100	6		74	110	20
	Acetone	100	110	ug/L	110	10		60	125	20
	Carbon disulfide	20	21.2	ug/L	106	9		64	112	20
	Methyl tert-butyl Ether	20	20.5	ug/L	103	15		78	114	20
	Methyl Acetate	20	19.1	ug/L	96	17		67	125	20
	Methylene Chloride	20	20.1	ug/L	101	10		72	114	20
	trans-1,2-Dichloroethene	20	20.1	ug/L	101	7		75	108	20
	1,1-Dichloroethane	20	19.7	ug/L	99	10		78	112	20
	Cyclohexane	20	19.9	ug/L	100	6		75	110	20
	2-Butanone	100	100	ug/L	100	9		65	122	20
	Carbon Tetrachloride	20	21.4	ug/L	107	4		77	113	20
	cis-1,2-Dichloroethene	20	19.6	ug/L	98	11		77	110	20
	Bromochloromethane	20	17.1	ug/L	86	4		70	124	20
	Chloroform	20	19.6	ug/L	98	7		79	113	20
	1,1,1-Trichloroethane	20	20.1	ug/L	101	6		80	108	20
	Methylcyclohexane	20	20.6	ug/L	103	7		72	115	20
	Benzene	20	20.5	ug/L	103	7		82	109	20
	1,2-Dichloroethane	20	21.7	ug/L	109	14		80	115	20
	Trichloroethene	20	21.5	ug/L	108	8		77	113	20
	1,2-Dichloropropane	20	20.3	ug/L	102	7		83	111	20
	Bromodichloromethane	20	21.4	ug/L	107	10		83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		74	118	20
	Toluene	20	21.6	ug/L	108	9		82	110	20
	t-1,3-Dichloropropene	20	20.7	ug/L	104	12		79	110	20
	cis-1,3-Dichloropropene	20	21.3	ug/L	106	12		82	110	20
	1,1,2-Trichloroethane	20	22.0	ug/L	110	10		83	112	20
	2-Hexanone	100	110	ug/L	110	10		73	117	20
	Dibromochloromethane	20	22.5	ug/L	113	13	*	82	110	20
	1,2-Dibromoethane	20	22.4	ug/L	112	14	*	81	110	20
	Tetrachloroethene	20	21.7	ug/L	109	1		67	123	20
	Chlorobenzene	20	19.5	ug/L	98	6		82	109	20
	Ethyl Benzene	20	19.9	ug/L	100	3		83	109	20
	m/p-Xylenes	40	41.4	ug/L	104	6		82	110	20
	o-Xylene	20	20.3	ug/L	102	5		83	109	20
	Styrene	20	21.1	ug/L	106	5		80	111	20
	Bromoform	20	22.4	ug/L	112	9	*	79	109	20
	Isopropylbenzene	20	19.7	ug/L	99	1		83	112	20
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94	5		76	118	20
	1,3-Dichlorobenzene	20	17.9	ug/L	90	5		82	108	20
	1,4-Dichlorobenzene	20	17.3	ug/L	86	2		82	107	20
	1,2-Dichlorobenzene	20	17.8	ug/L	89	3		82	109	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5270

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN085193.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1213WBSD01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93	6		68	112	20
	1,2,4-Trichlorobenzene	20	16.2	ug/L	81	8		75	113	20
	1,2,3-Trichlorobenzene	20	16.4	ug/L	82	5		76	114	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5270

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.: P5270

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	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1213WBL01

Lab Name: CHEMTECH

Contract: PARS02

Lab Code: CHEM Case No.: P5270

SAS No.: P5270 SDG NO.: P5270

Lab File ID: VN085191.D

Lab Sample ID: VN1213WBL01

Date Analyzed: 12/13/2024

Time Analyzed: 12:53

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
VN1213WBS01	VN1213WBS01	VN085192.D	12/13/2024
VN1213WBSD01	VN1213WBSD01	VN085193.D	12/13/2024
MW8-20241211	P5270-01	VN085194.D	12/13/2024
MW11-20241211	P5270-02	VN085195.D	12/13/2024
MW15-20241211	P5270-03	VN085196.D	12/13/2024
MW17-20241211	P5270-04	VN085197.D	12/13/2024
MW9-20241212	P5270-05	VN085198.D	12/13/2024
MW13D-20241212	P5270-06	VN085199.D	12/13/2024
MW12-20241212	P5270-07	VN085200.D	12/13/2024
MW16D-20241212	P5270-09	VN085202.D	12/13/2024
TB-20241213	P5270-10	VN085204.D	12/13/2024

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1217WBL01

Lab Name: CHEMTECH

Contract: PARS02

Lab Code: CHEM Case No.: P5270

SAS No.: P5270 SDG NO.: P5270

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
MW12-20241212DL	P5270-07DL	VN085224.D	12/17/2024
MW14-20241212	P5270-08	VN085225.D	12/17/2024

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.: P5270 SAS No.: P5270 SDG NO.: P5270
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



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.: P5270 SAS No.: P5270 SDG NO.: P5270
Lab File ID: VN085188.D BFB Injection Date: 12/13/2024
Instrument ID: MSVOA_N BFB Injection Time: 08:38
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	72.6
175	5.0 - 9.0% of mass 174	5 (6.8) 1
176	95.0 - 101.0% of mass 174	70.4 (97.1) 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
VSTDCCC050	VSTDCCC050	VN085189.D	12/13/2024	11:54
VN1213WBL01	VN1213WBL01	VN085191.D	12/13/2024	12:53
VN1213WBS01	VN1213WBS01	VN085192.D	12/13/2024	13:17
VN1213WBSD01	VN1213WBSD01	VN085193.D	12/13/2024	13:52
MW8-20241211	P5270-01	VN085194.D	12/13/2024	14:16
MW11-20241211	P5270-02	VN085195.D	12/13/2024	14:40
MW15-20241211	P5270-03	VN085196.D	12/13/2024	15:04
MW17-20241211	P5270-04	VN085197.D	12/13/2024	15:28
MW9-20241212	P5270-05	VN085198.D	12/13/2024	15:52
MW13D-20241212	P5270-06	VN085199.D	12/13/2024	16:16
MW12-20241212	P5270-07	VN085200.D	12/13/2024	16:39
MW16D-20241212	P5270-09	VN085202.D	12/13/2024	17:27
TB-20241213	P5270-10	VN085204.D	12/13/2024	18:15



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.: P5270 SAS No.: P5270 SDG NO.: P5270
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
MW12-20241212DL	P5270-07DL	VN085224.D	12/17/2024	15:08
MW14-20241212	P5270-08	VN085225.D	12/17/2024	15:32

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PARS02
Lab Code: CHEM Case No.: P5270 SAS No.: P5270 SDG NO.: P5270
Lab File ID: VN085189.D Date Analyzed: 12/13/2024
Instrument ID: MSVOA_N Time Analyzed: 11:54
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	157227	8.22	244320	9.09	216724	11.86
UPPER LIMIT	314454	8.718	488640	9.594	433448	12.359
LOWER LIMIT	78613.5	7.718	122160	8.594	108362	11.359
EPA SAMPLE NO.						
MW8-20241211	134343	8.22	233695	9.10	202190	11.87
MW11-20241211	143596	8.22	248311	9.10	222610	11.87
MW15-20241211	147414	8.22	254847	9.10	222652	11.87
MW17-20241211	137054	8.22	242188	9.10	210970	11.86
MW9-20241212	144306	8.22	251366	9.10	217141	11.86
MW13D-20241212	143120	8.22	248974	9.10	219158	11.87
MW12-20241212	145239	8.22	256201	9.10	240334	11.87
MW16D-20241212	182473	8.22	299687	9.10	268260	11.87
TB-20241213	175672	8.22	302003	9.10	265365	11.87
VN1213WBL01	151380	8.22	264382	9.10	226403	11.87
VN1213WBS01	159304	8.22	257699	9.10	220551	11.87
VN1213WBSD01	137829	8.22	223171	9.10	200688	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.: P5270 SAS No.: P5270 SDG NO.: P5270
Lab File ID: VN085189.D Date Analyzed: 12/13/2024
Instrument ID: MSVOA_N Time Analyzed: 11:54
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	111343	13.788				
UPPER LIMIT	222686	14.288				
LOWER LIMIT	55671.5	13.288				
EPA SAMPLE NO.						
MW8-20241211	81706	13.79				
MW11-20241211	94301	13.79				
MW15-20241211	86352	13.79				
MW17-20241211	83538	13.79				
MW9-20241212	87781	13.79				
MW13D-20241212	88281	13.79				
MW12-20241212	113617	13.79				
MW16D-20241212	119455	13.79				
TB-20241213	114150	13.79				
VN1213WBL01	89452	13.79				
VN1213WBS01	104811	13.79				
VN1213WBSD01	97109	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.: P5270 SAS No.: P5270 SDG NO.: P5270
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.						
MW12-20241212DL	126679	8.22	217883	9.10	207659	11.87
MW14-20241212	152662	8.22	258754	9.10	225161	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.: P5270 SAS No.: P5270 SDG NO.: P5270
 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.						
MW12-20241212DL	99728	13.79				
MW14-20241212	102812	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.



SAMPLE DATA

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/11/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/13/24
Client Sample ID:	MW8-20241211	SDG No.:	P5270
Lab Sample ID:	P5270-01	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
VN085194.D	1		12/13/24 14:16	VN121324

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	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	17.1		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:	12/11/24	
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/13/24	
Client Sample ID:	MW8-20241211			SDG No.:	P5270	
Lab Sample ID:	P5270-01			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
VN085194.D	1		12/13/24 14:16	VN121324

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	UQ	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	UQ	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.68	J	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	UQ	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.1		77 - 121	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	134000	8.224			
540-36-3	1,4-Difluorobenzene	234000	9.1			
3114-55-4	Chlorobenzene-d5	202000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	81700	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/11/24
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24
Client Sample ID:	MW8-20241211		SDG No.:	P5270
Lab Sample ID:	P5270-01		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
VN085194.D	1		12/13/24 14:16	VN121324

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\VN121324\
 Data File : VN085194.D
 Acq On : 13 Dec 2024 14:16
 Operator : JC\MD
 Sample : P5270-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW8-20241211

Quant Time: Dec 13 23:33:33 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)

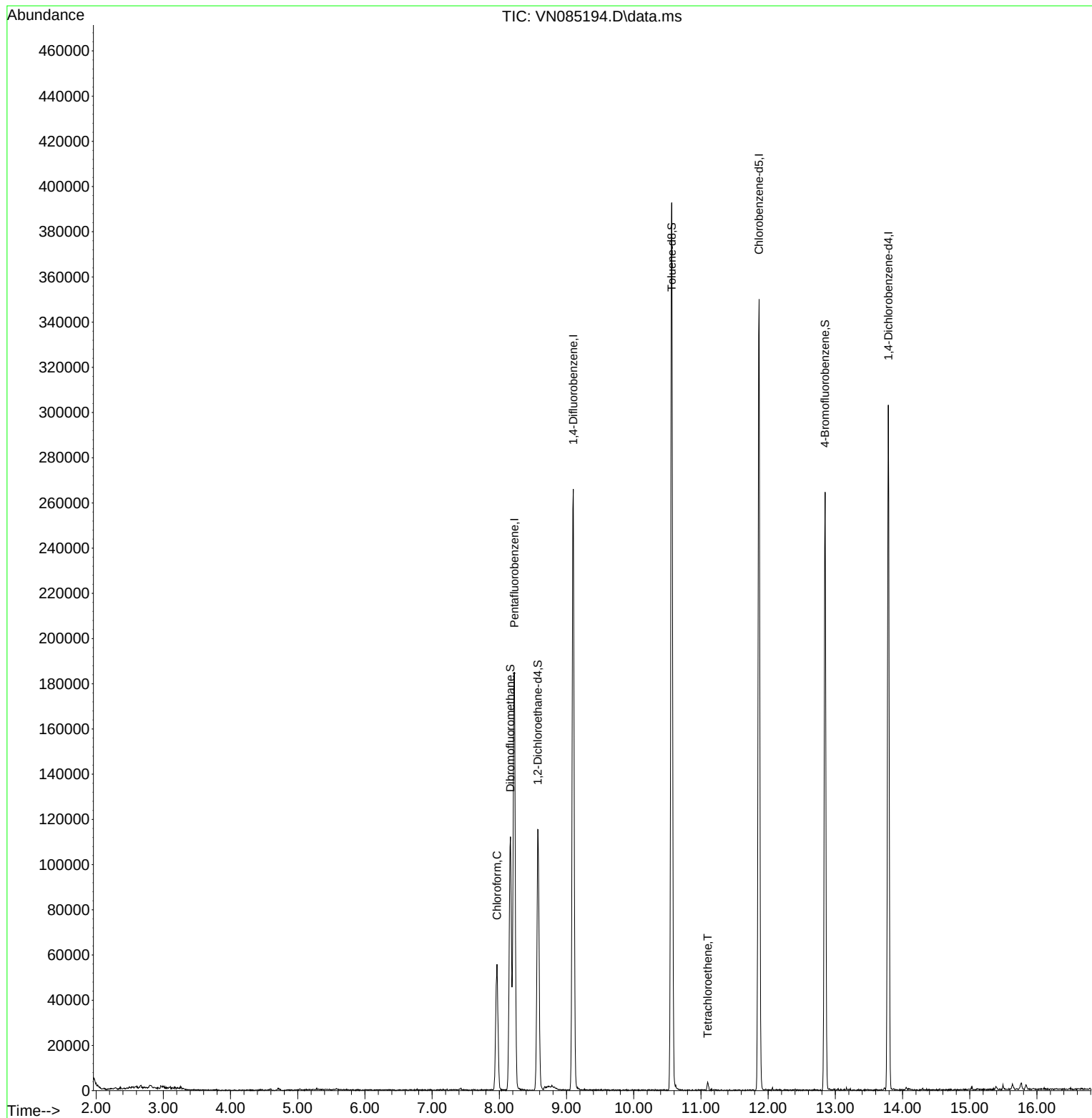
Internal Standards						
1) Pentafluorobenzene	8.224	168	134343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	233695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	202190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	81706	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	97217	50.803	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.600%			
35) Dibromofluoromethane	8.165	113	81390	51.645	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.280%			
50) Toluene-d8	10.565	98	275639	48.804	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.600%			
62) 4-Bromofluorobenzene	12.847	95	93207	44.130	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.260%			
Target Compounds						
30) Chloroform	7.965	83	52513	17.051	ug/l	97
64) Tetrachloroethene	11.100	164	923	0.677	ug/l #	73

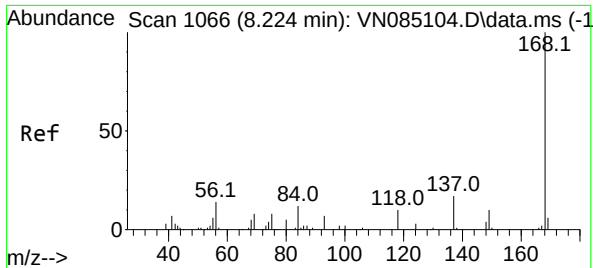
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085194.D
Acq On : 13 Dec 2024 14:16
Operator : JC\MD
Sample : P5270-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW8-20241211

Quant Time: Dec 13 23:33:33 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

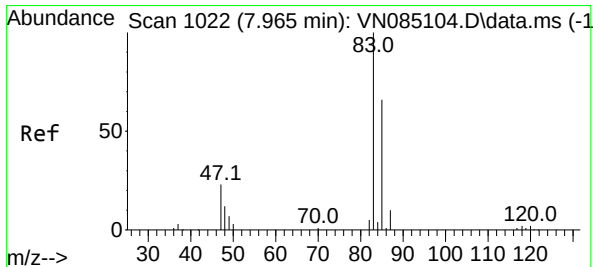
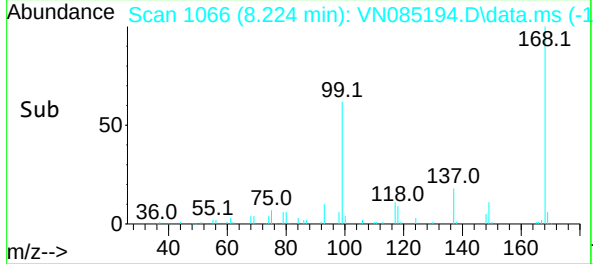
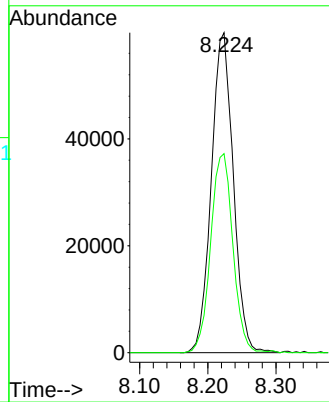
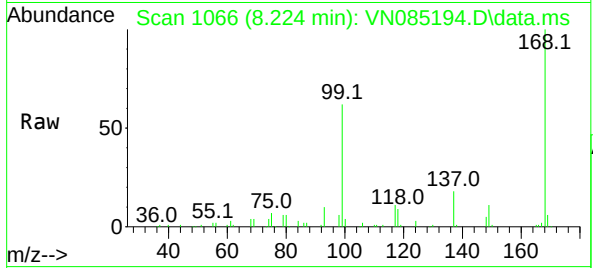




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085194.D
Acq: 13 Dec 2024 14:16

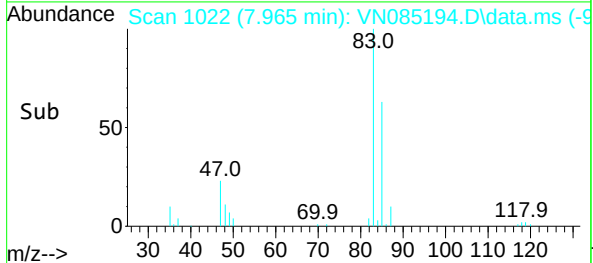
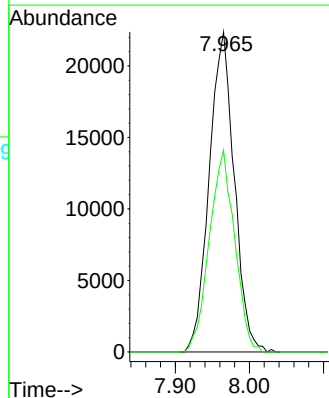
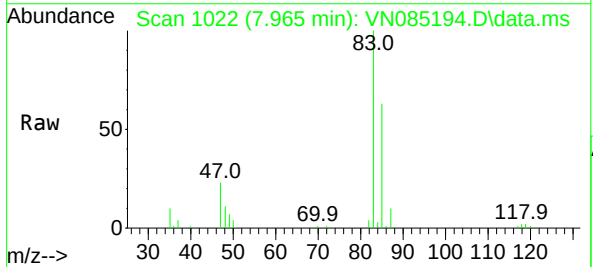
Instrument :
MSVOA_N
ClientSampleId :
MW8-20241211

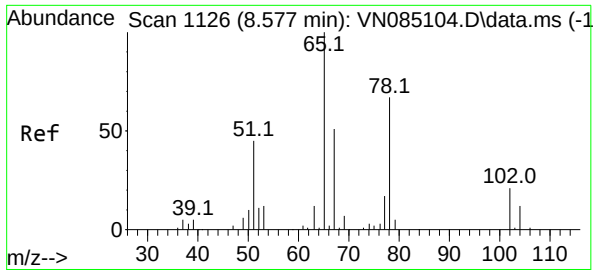
Tgt Ion:168 Resp: 134343
Ion Ratio Lower Upper
168 100
99 62.2 51.2 76.8



#30
Chloroform
Concen: 17.051 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085194.D
Acq: 13 Dec 2024 14:16

Tgt Ion: 83 Resp: 52513
Ion Ratio Lower Upper
83 100
85 63.1 52.6 78.8





#33

1,2-Dichloroethane-d4

Concen: 50.803 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN085194.D

Acq: 13 Dec 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

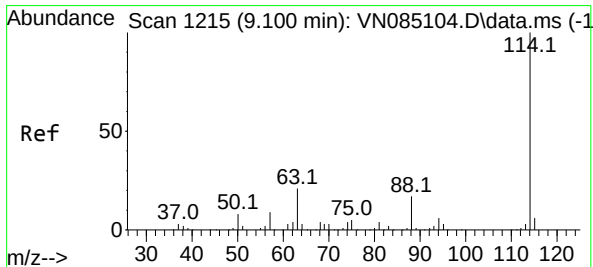
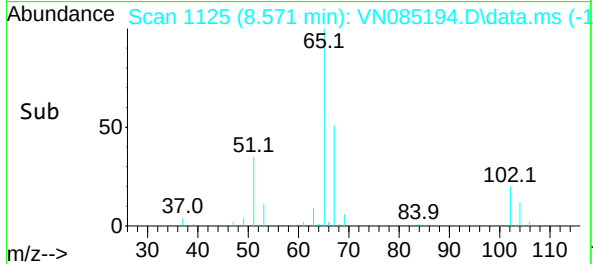
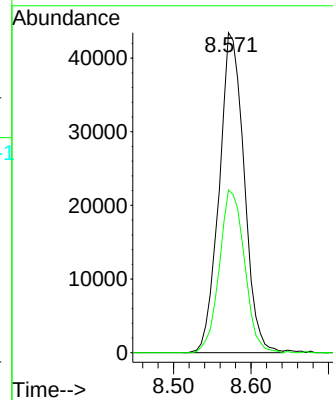
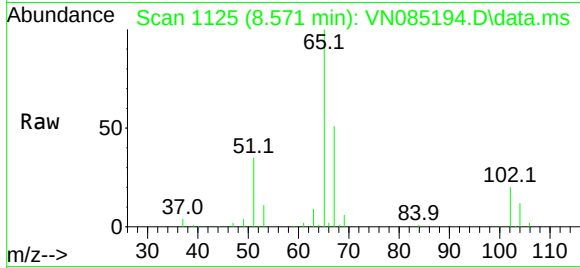
MW8-20241211

Tgt Ion: 65 Resp: 97217

Ion Ratio Lower Upper

65 100

67 51.2 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: VN085194.D

Acq: 13 Dec 2024 14:16

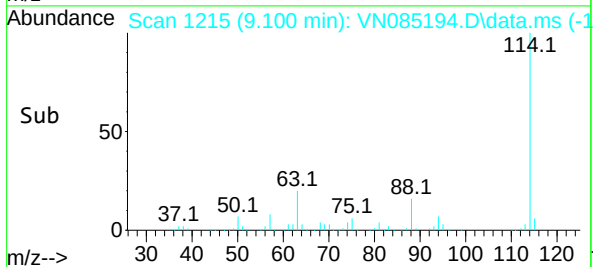
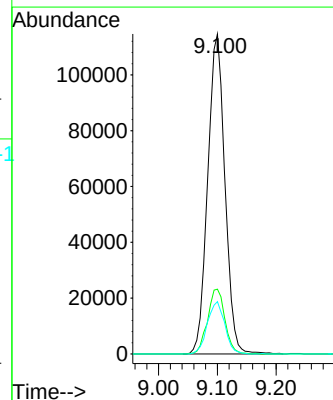
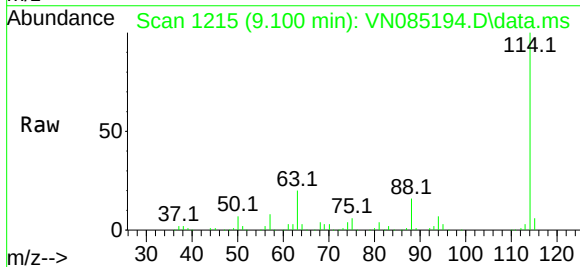
Tgt Ion: 114 Resp: 233695

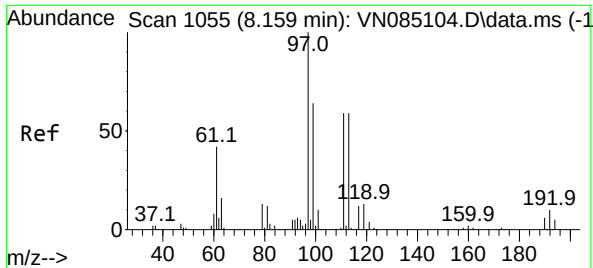
Ion Ratio Lower Upper

114 100

63 20.3 0.0 41.0

88 16.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.645 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085194.D

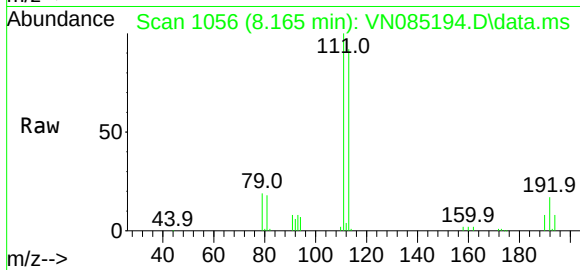
Acq: 13 Dec 2024 14:16

Instrument :

MSVOA_N

ClientSampleId :

MW8-20241211



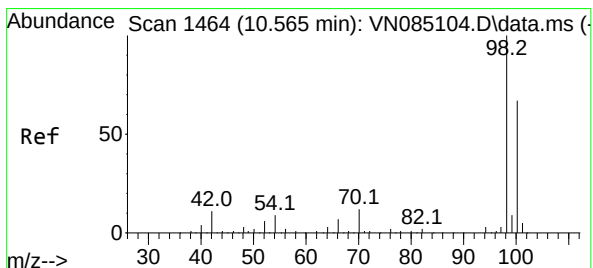
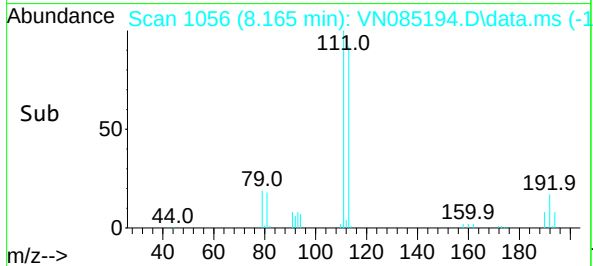
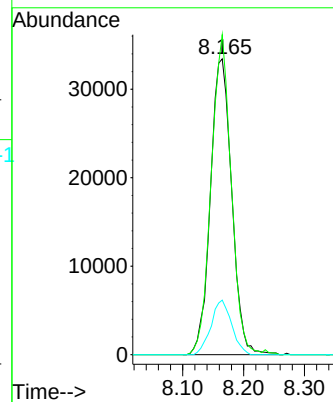
Tgt Ion:113 Resp: 81390

Ion Ratio Lower Upper

113 100

111 101.2 82.0 123.0

192 17.9 14.8 22.2



#50

Toluene-d8

Concen: 48.804 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085194.D

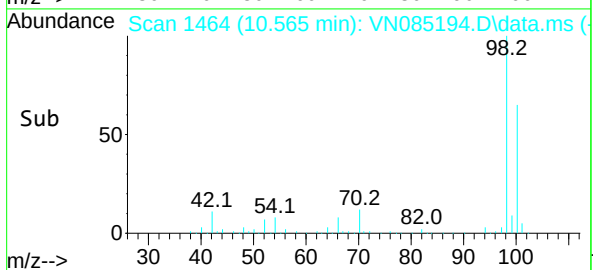
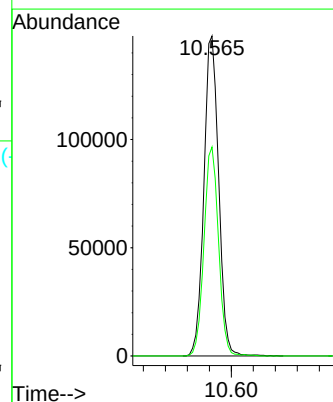
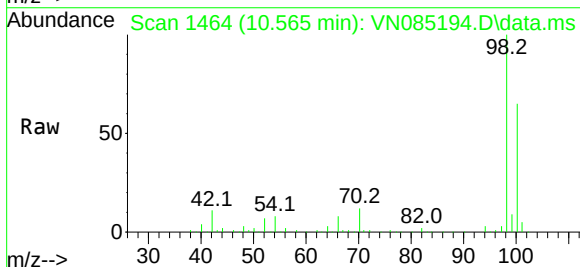
Acq: 13 Dec 2024 14:16

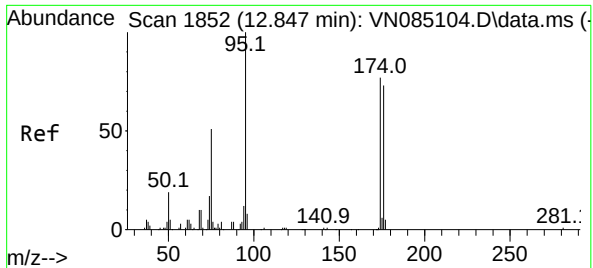
Tgt Ion: 98 Resp: 275639

Ion Ratio Lower Upper

98 100

100 64.3 52.5 78.7

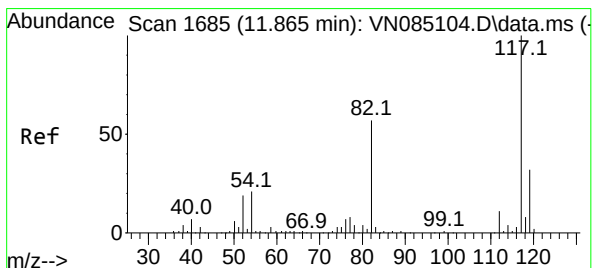
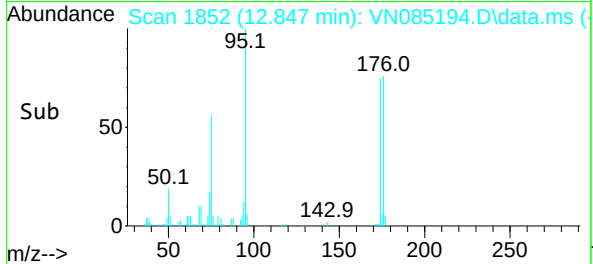
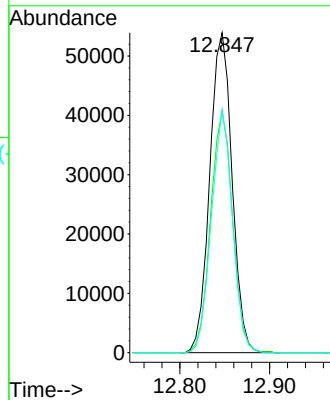
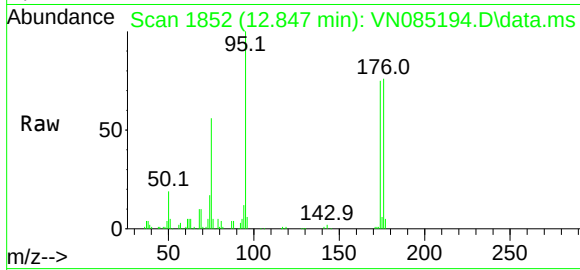




#62
4-Bromofluorobenzene
Concen: 44.130 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085194.D
Acq: 13 Dec 2024 14:16

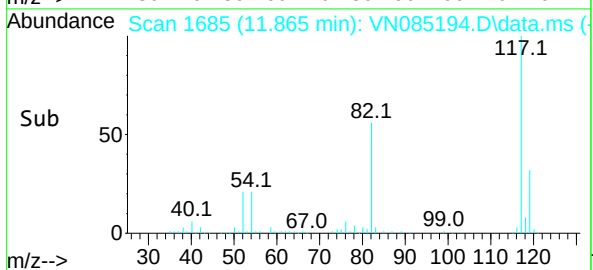
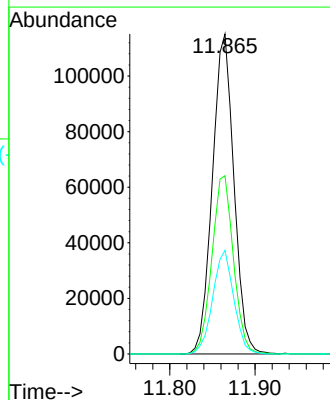
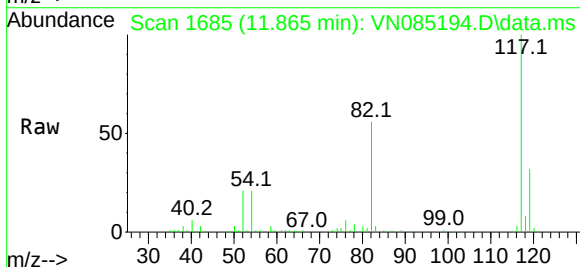
Instrument :
MSVOA_N
ClientSampleId :
MW8-20241211

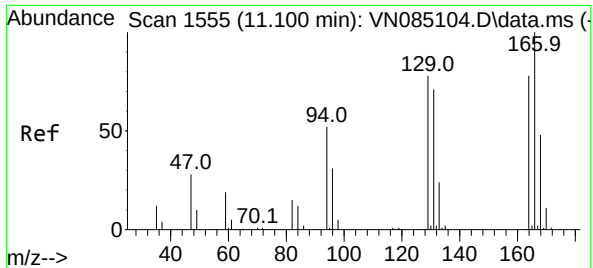
Tgt Ion:	95	Resp:	93207
Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	146.6
176	71.8	0.0	141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085194.D
Acq: 13 Dec 2024 14:16

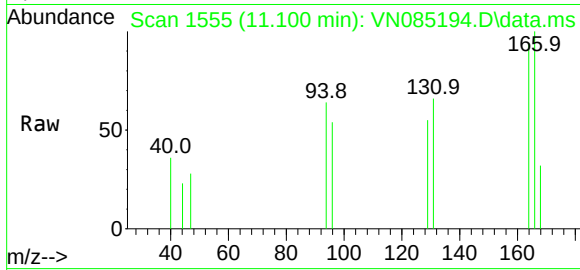
Tgt Ion:	117	Resp:	202190
Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.0	69.0
119	32.4	25.6	38.4



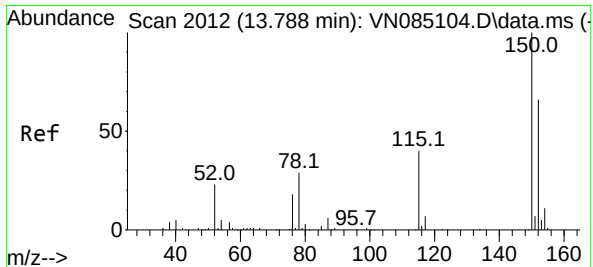
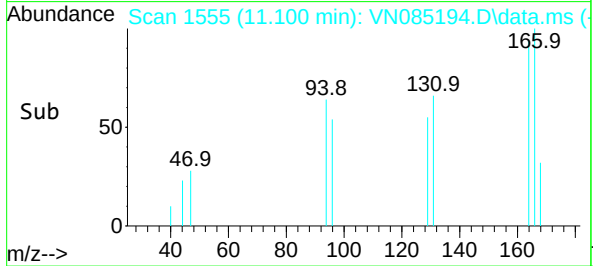
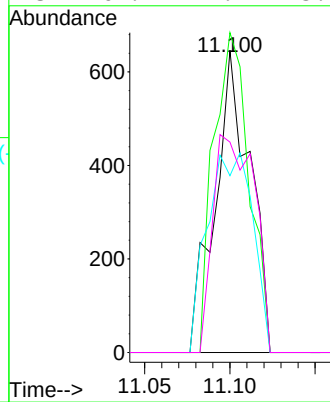


#64
Tetrachloroethene
Concen: 0.677 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN085194.D
Acq: 13 Dec 2024 14:16

Instrument :
MSVOA_N
ClientSampleId :
MW8-20241211

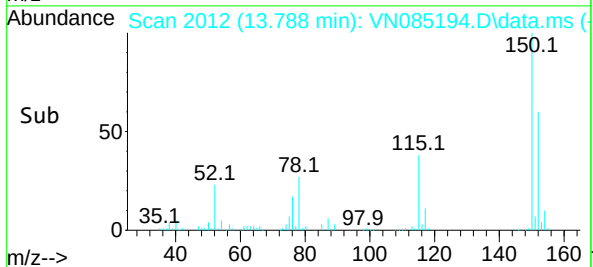
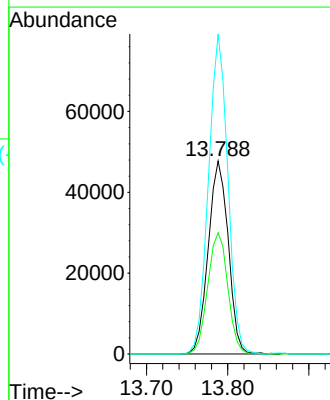
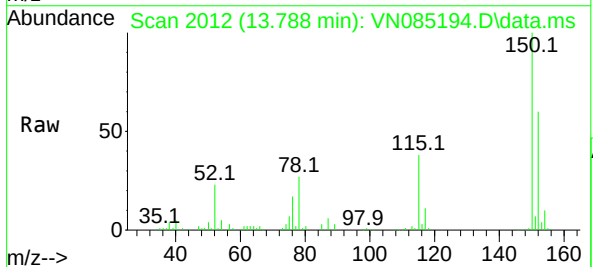


Tgt Ion:164 Resp: 923
Ion Ratio Lower Upper
164 100
166 105.9 100.6 151.0
129 58.5 77.7 116.5#
131 69.7 77.2 115.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085194.D
Acq: 13 Dec 2024 14:16

Tgt Ion:152 Resp: 81706
Ion Ratio Lower Upper
152 100
115 62.9 31.7 95.1
150 159.7 0.0 351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085194.D
Acq On : 13 Dec 2024 14:16
Operator : JC\MD
Sample : P5270-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW8-20241211

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: VN085194.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.965	1012	1022	1032	rVB	55758	131849	18.21%	3.365%
2	8.165	1046	1056	1060	rBV	112144	263705	36.42%	6.731%
3	8.224	1060	1066	1077	rVB	184452	416941	57.58%	10.642%
4	8.571	1114	1125	1138	rBV	115399	262812	36.30%	6.708%
5	9.100	1206	1215	1225	rBV	265983	546186	75.43%	13.941%
6	10.565	1454	1464	1473	rBV	392889	724069	100.00%	18.482%
7	11.865	1676	1685	1696	rBV	350131	620636	85.72%	15.842%
8	12.847	1845	1852	1861	rBV	264644	442975	61.18%	11.307%
9	13.788	2005	2012	2022	rBV	303013	508573	70.24%	12.981%

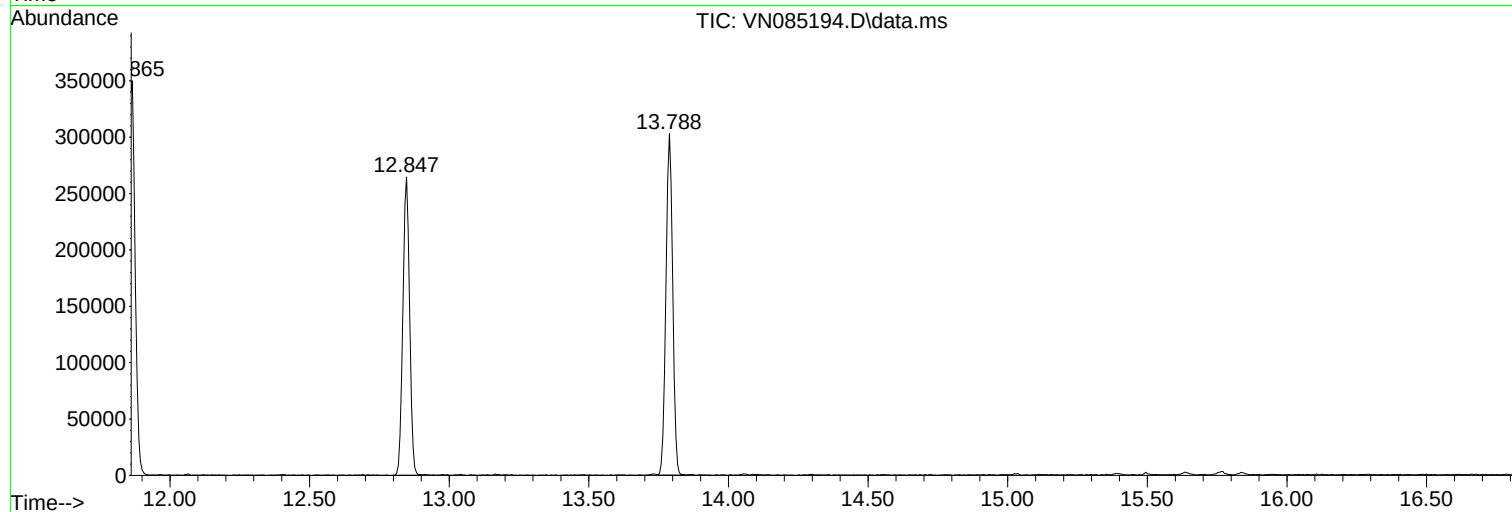
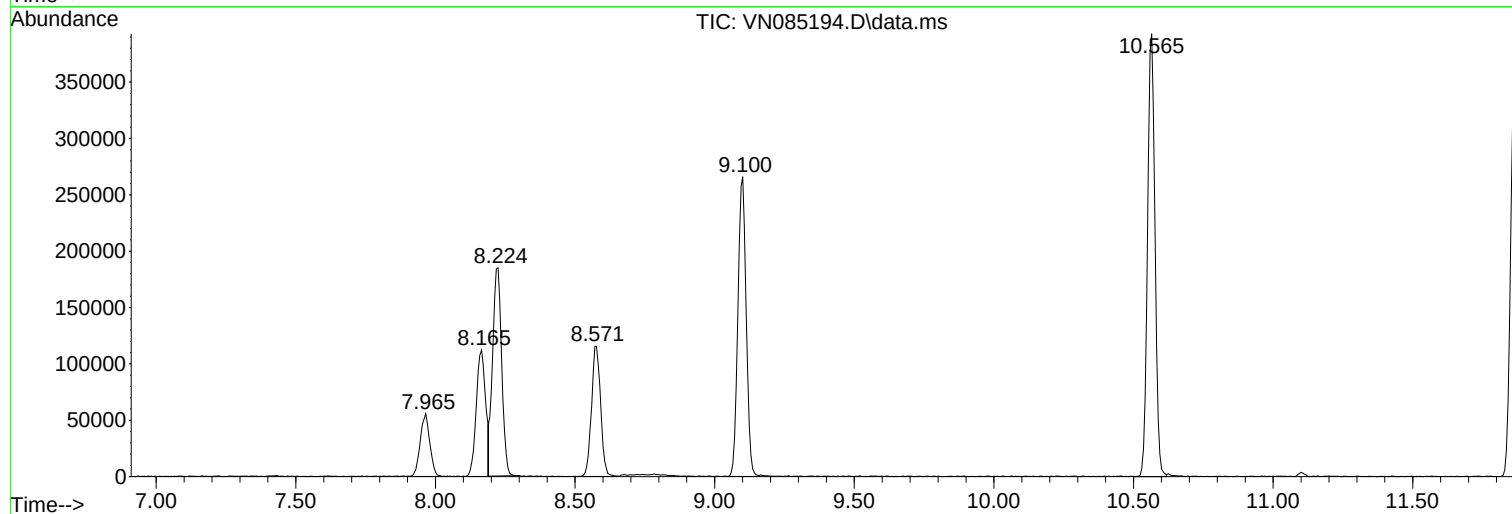
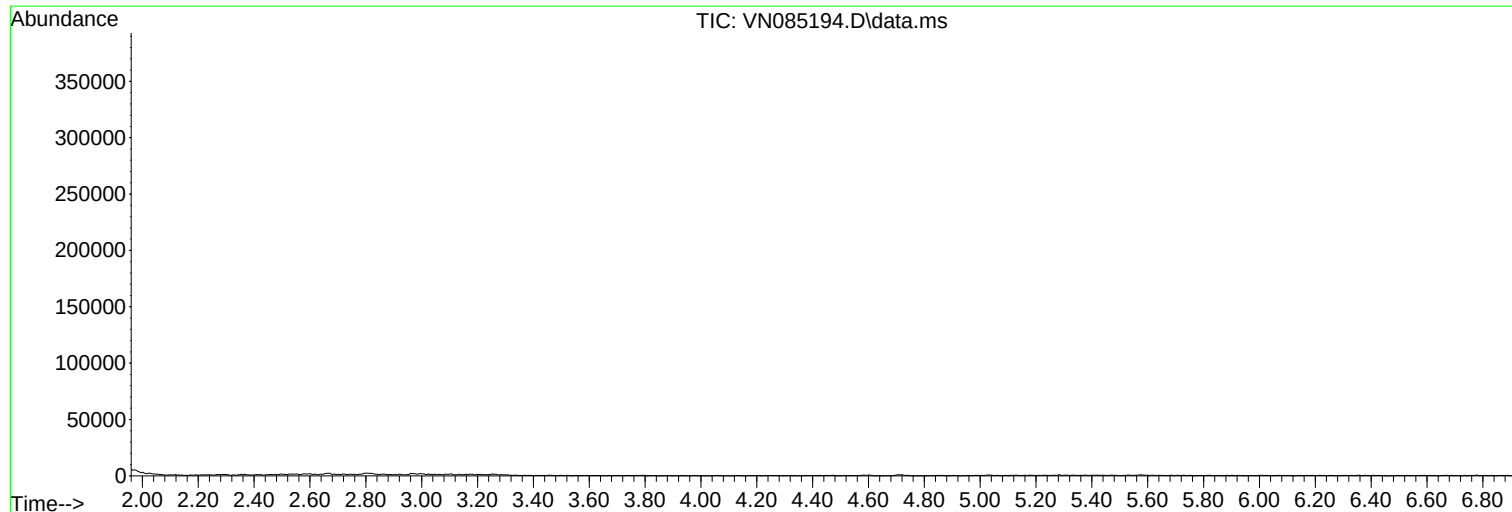
Sum of corrected areas: 3917746

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085194.D
Acq On : 13 Dec 2024 14:16
Operator : JC\MD
Sample : P5270-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW8-20241211

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\VN121324\
Data File : VN085194.D
Acq On : 13 Dec 2024 14:16
Operator : JC\MD
Sample : P5270-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW8-20241211

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\VN121324\
Data File : VN085194.D
Acq On : 13 Dec 2024 14:16
Operator : JC\MD
Sample : P5270-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW8-20241211

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:	12/11/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24	
Client Sample ID:	MW11-20241211		SDG No.:	P5270	
Lab Sample ID:	P5270-02		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
VN085195.D	1		12/13/24 14:40	VN121324

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	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	0.82	J	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:	12/11/24	
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/13/24	
Client Sample ID:	MW11-20241211			SDG No.:	P5270	
Lab Sample ID:	P5270-02			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
VN085195.D	1		12/13/24 14:40	VN121324

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	UQ	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	UQ	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	2.80		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	UQ	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	52.3		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	144000	8.218			
540-36-3	1,4-Difluorobenzene	248000	9.1			
3114-55-4	Chlorobenzene-d5	223000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	94300	13.788			

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/11/24
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24
Client Sample ID:	MW11-20241211		SDG No.:	P5270
Lab Sample ID:	P5270-02		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
VN085195.D	1		12/13/24 14:40	VN121324

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\VN121324\
 Data File : VN085195.D
 Acq On : 13 Dec 2024 14:40
 Operator : JC\MD
 Sample : P5270-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW11-20241211

Quant Time: Dec 13 23:34:11 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)

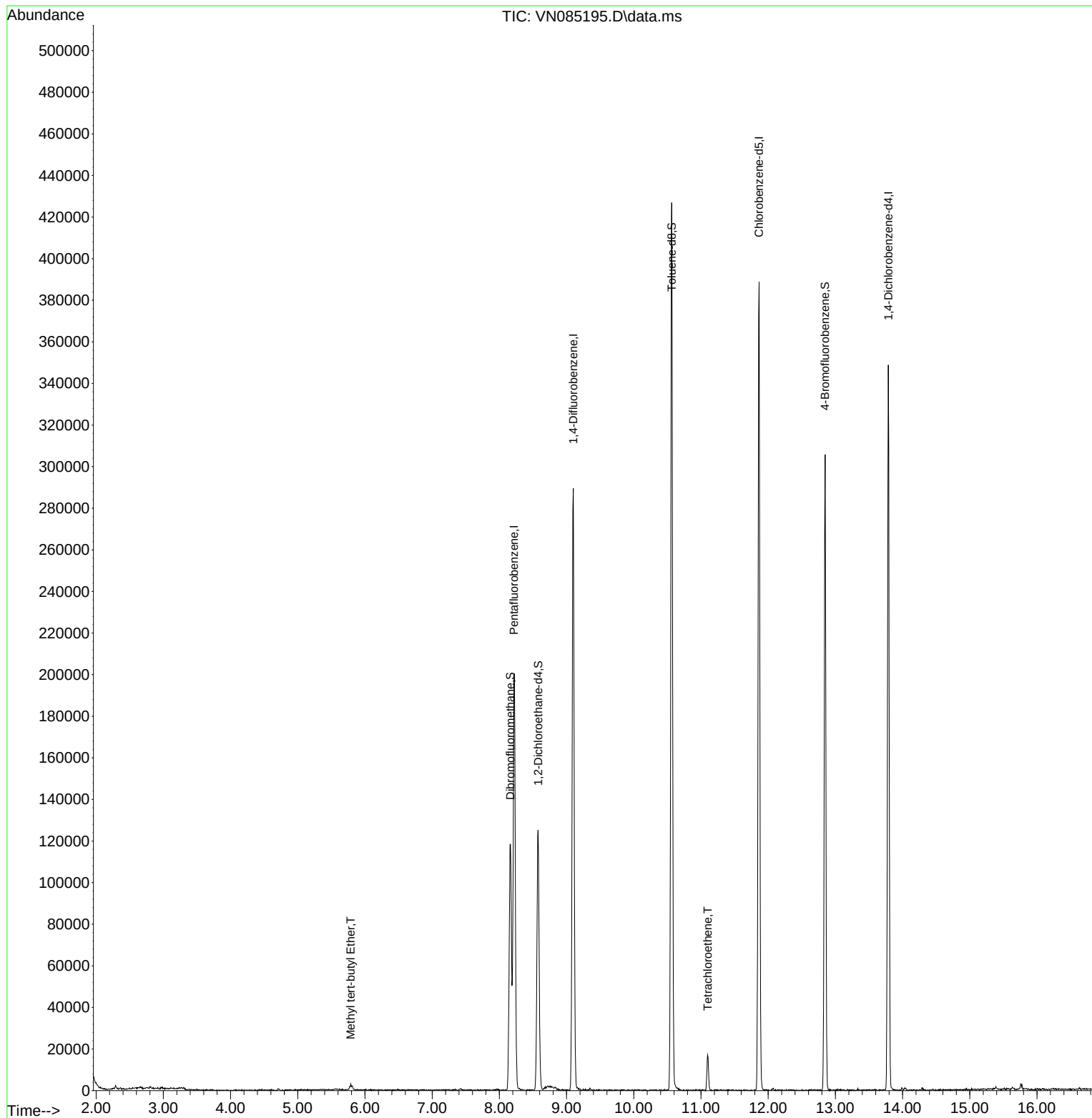
Internal Standards						
1) Pentafluorobenzene	8.218	168	143596	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248311	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106912	52.269	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.540%	
35) Dibromofluoromethane	8.165	113	86800	51.836	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.680%	
50) Toluene-d8	10.565	98	297538	49.581	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.160%	
62) 4-Bromofluorobenzene	12.847	95	105362	46.948	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 93.900%	
Target Compounds						Qvalue
19) Methyl tert-butyl Ether	5.789	73	4091	0.822	ug/l	# 83
64) Tetrachloroethene	11.100	164	4201	2.801	ug/l	93

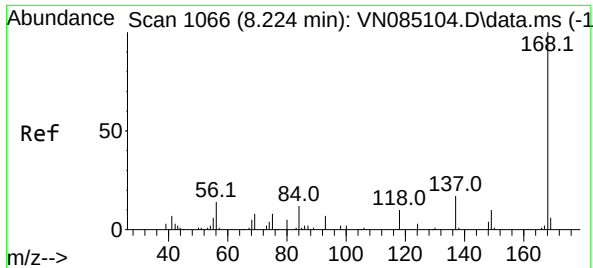
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085195.D
Acq On : 13 Dec 2024 14:40
Operator : JC\MD
Sample : P5270-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW11-20241211

Quant Time: Dec 13 23:34:11 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

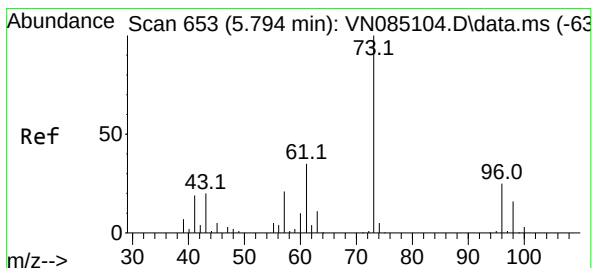
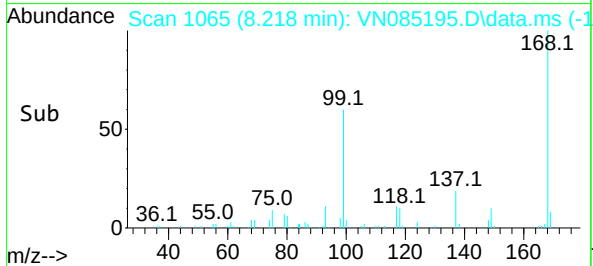
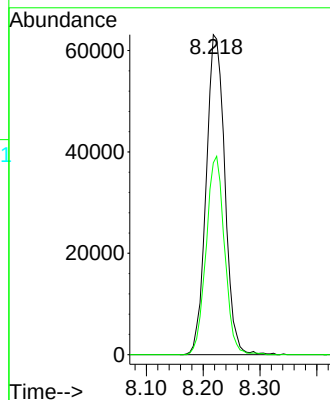
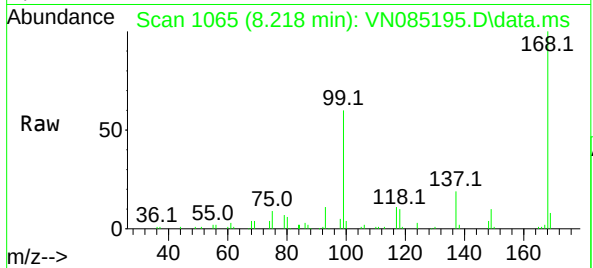




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085195.D
Acq: 13 Dec 2024 14:40

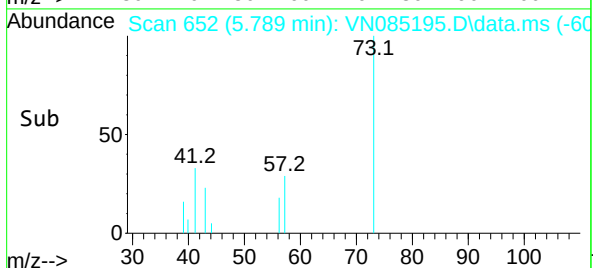
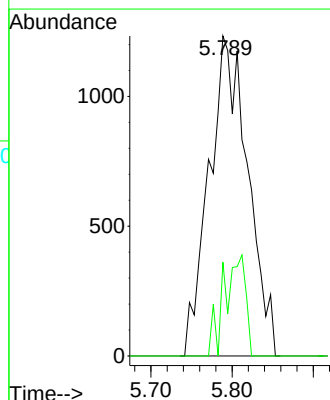
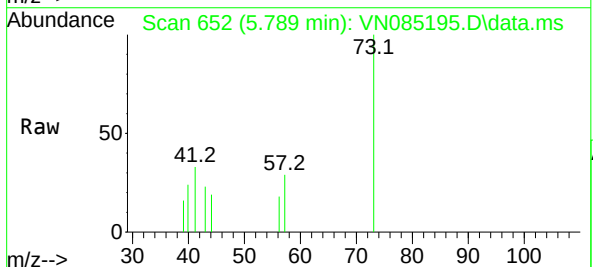
Instrument :
MSVOA_N
ClientSampleId :
MW11-20241211

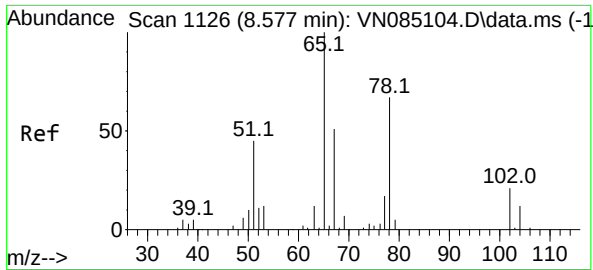
Tgt Ion:168 Resp: 143596
Ion Ratio Lower Upper
168 100
99 60.0 51.2 76.8



#19
Methyl tert-butyl Ether
Concen: 0.822 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN085195.D
Acq: 13 Dec 2024 14:40

Tgt Ion: 73 Resp: 4091
Ion Ratio Lower Upper
73 100
57 29.3 17.0 25.4#





#33

1,2-Dichloroethane-d4

Concen: 52.269 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085195.D

Acq: 13 Dec 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

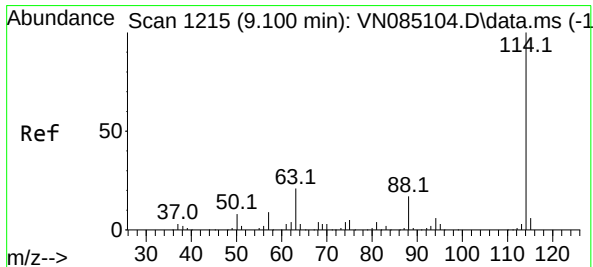
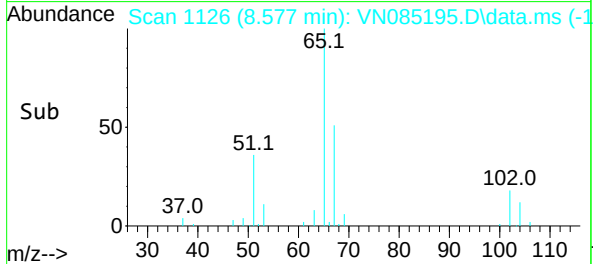
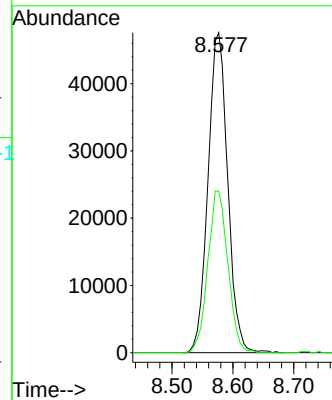
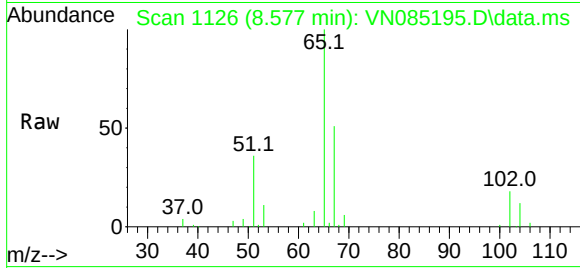
MW11-20241211

Tgt Ion: 65 Resp: 106912

Ion Ratio Lower Upper

65 100

67 51.6 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: VN085195.D

Acq: 13 Dec 2024 14:40

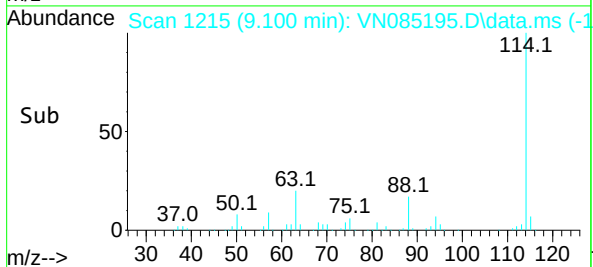
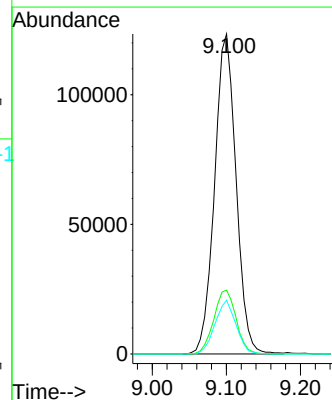
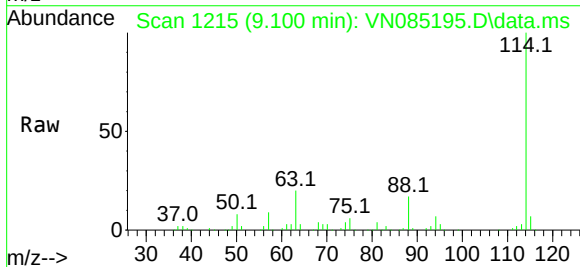
Tgt Ion: 114 Resp: 248311

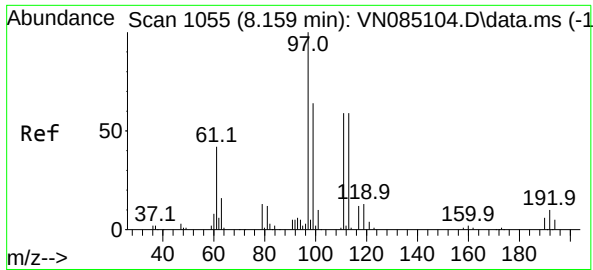
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 16.8 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.836 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085195.D

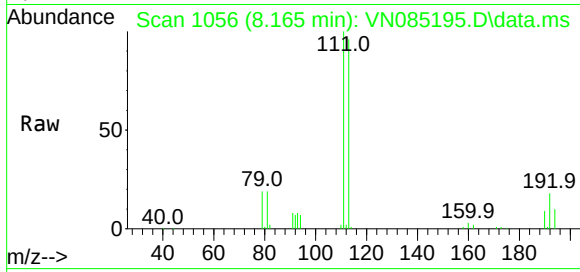
Acq: 13 Dec 2024 14:40

Instrument :

MSVOA_N

ClientSampleId :

MW11-20241211



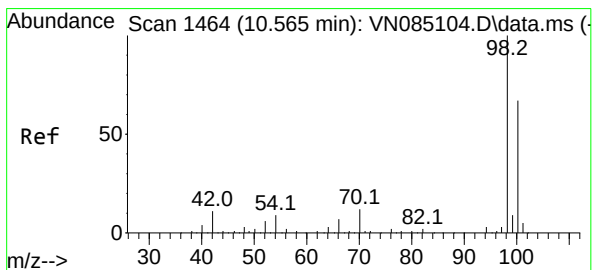
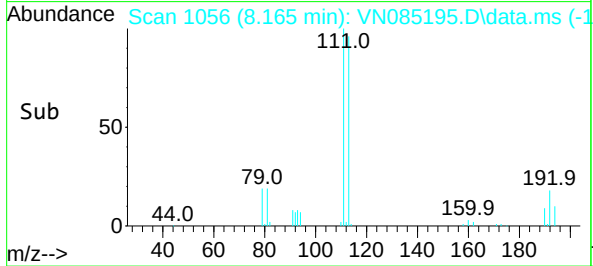
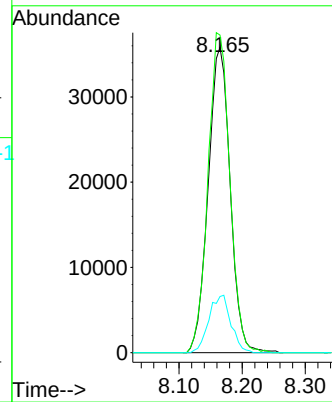
Tgt Ion:113 Resp: 86800

Ion Ratio Lower Upper

113 100

111 104.0 82.0 123.0

192 18.8 14.8 22.2



#50

Toluene-d8

Concen: 49.581 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085195.D

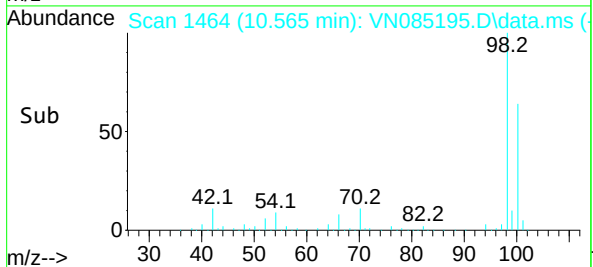
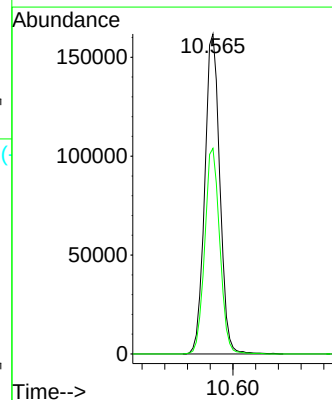
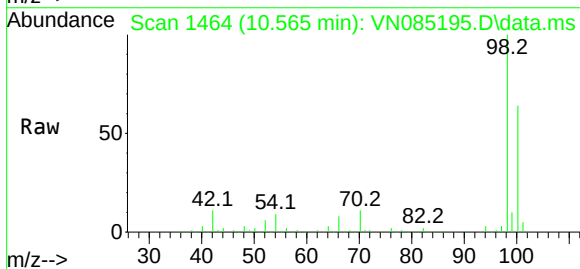
Acq: 13 Dec 2024 14:40

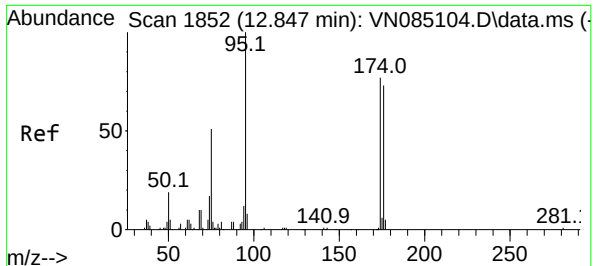
Tgt Ion: 98 Resp: 297538

Ion Ratio Lower Upper

98 100

100 64.1 52.5 78.7

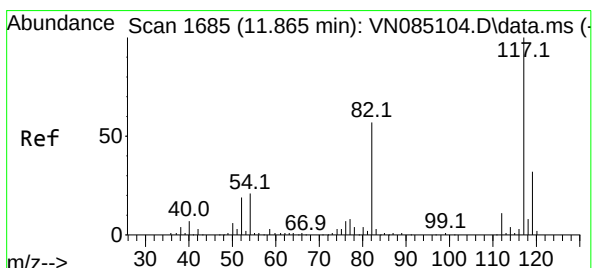
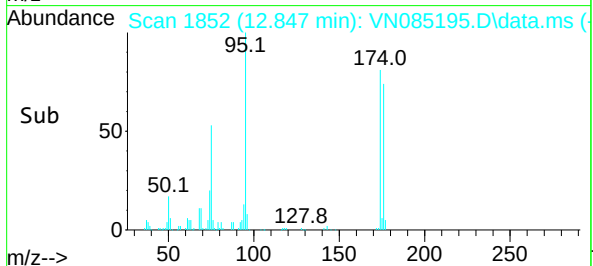
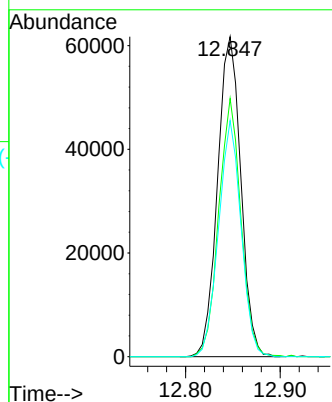
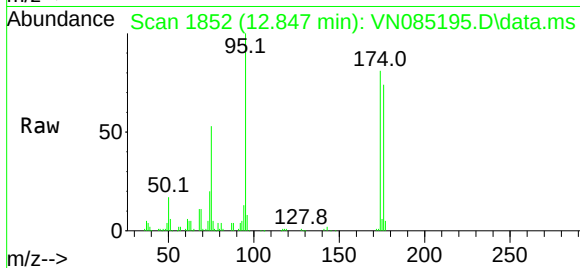




#62
4-Bromofluorobenzene
Concen: 46.948 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085195.D
Acq: 13 Dec 2024 14:40

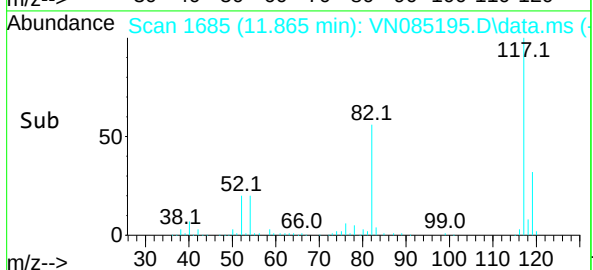
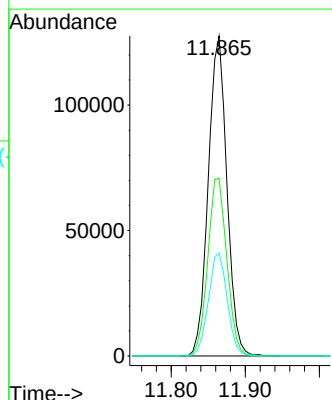
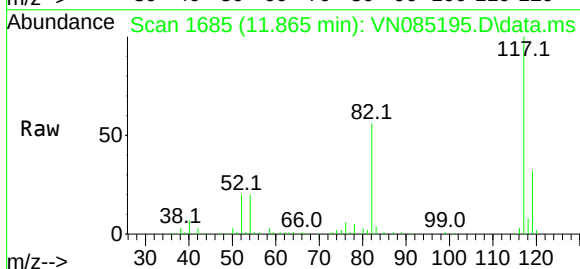
Instrument :
MSVOA_N
ClientSampleId :
MW11-20241211

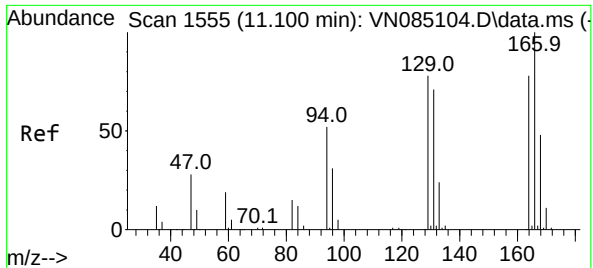
Tgt Ion: 95 Resp: 105362
Ion Ratio Lower Upper
95 100
174 77.0 0.0 146.6
176 71.2 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085195.D
Acq: 13 Dec 2024 14:40

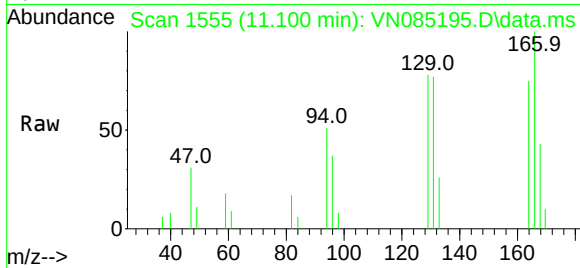
Tgt Ion: 117 Resp: 222610
Ion Ratio Lower Upper
117 100
82 55.5 46.0 69.0
119 32.2 25.6 38.4



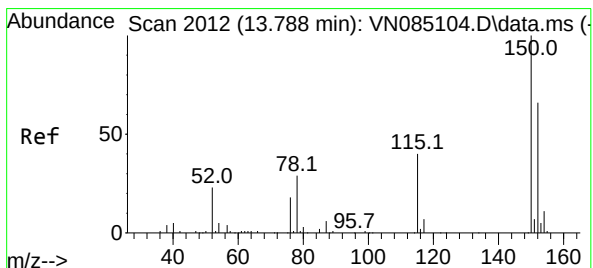
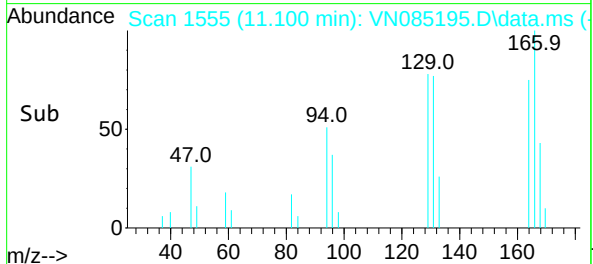
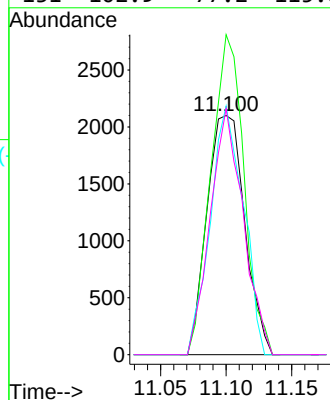


#64
Tetrachloroethene
Concen: 2.801 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085195.D
Acq: 13 Dec 2024 14:40

Instrument :
MSVOA_N
ClientSampleId :
MW11-20241211

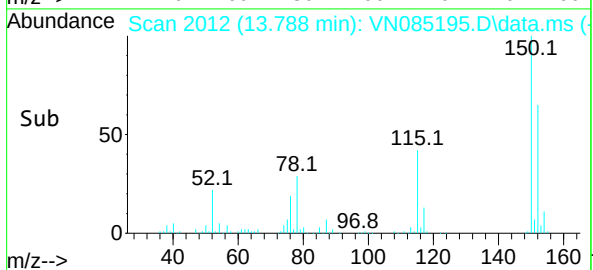
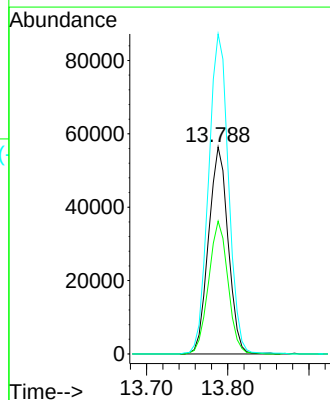
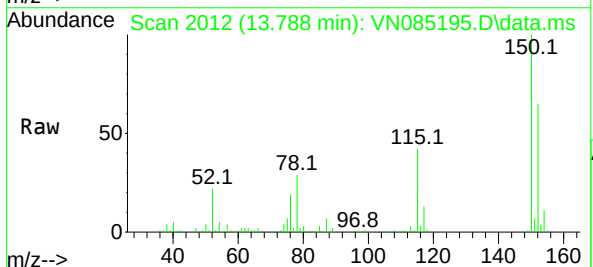


Tgt Ion:164 Resp: 4201
Ion Ratio Lower Upper
164 100
166 133.7 100.6 151.0
129 104.0 77.7 116.5
131 102.9 77.2 115.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085195.D
Acq: 13 Dec 2024 14:40

Tgt Ion:152 Resp: 94301
Ion Ratio Lower Upper
152 100
115 63.5 31.7 95.1
150 158.1 0.0 351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085195.D
Acq On : 13 Dec 2024 14:40
Operator : JC\MD
Sample : P5270-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW11-20241211

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: VN085195.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	118106	281535	36.05%	6.714%
2	8.224	1060	1066	1078	rVB	199749	447674	57.33%	10.676%
3	8.577	1114	1126	1138	rBV	125135	287602	36.83%	6.859%
4	9.100	1206	1215	1224	rBV	289620	589569	75.50%	14.060%
5	10.565	1455	1464	1481	rBV	426632	780851	100.00%	18.622%
6	11.100	1550	1555	1563	rBB3	17148	30161	3.86%	0.719%
7	11.865	1677	1685	1696	rVB	388577	685956	87.85%	16.359%
8	12.847	1844	1852	1862	rVB	305848	508854	65.17%	12.135%
9	13.788	2004	2012	2024	rBV	348538	580988	74.40%	13.856%

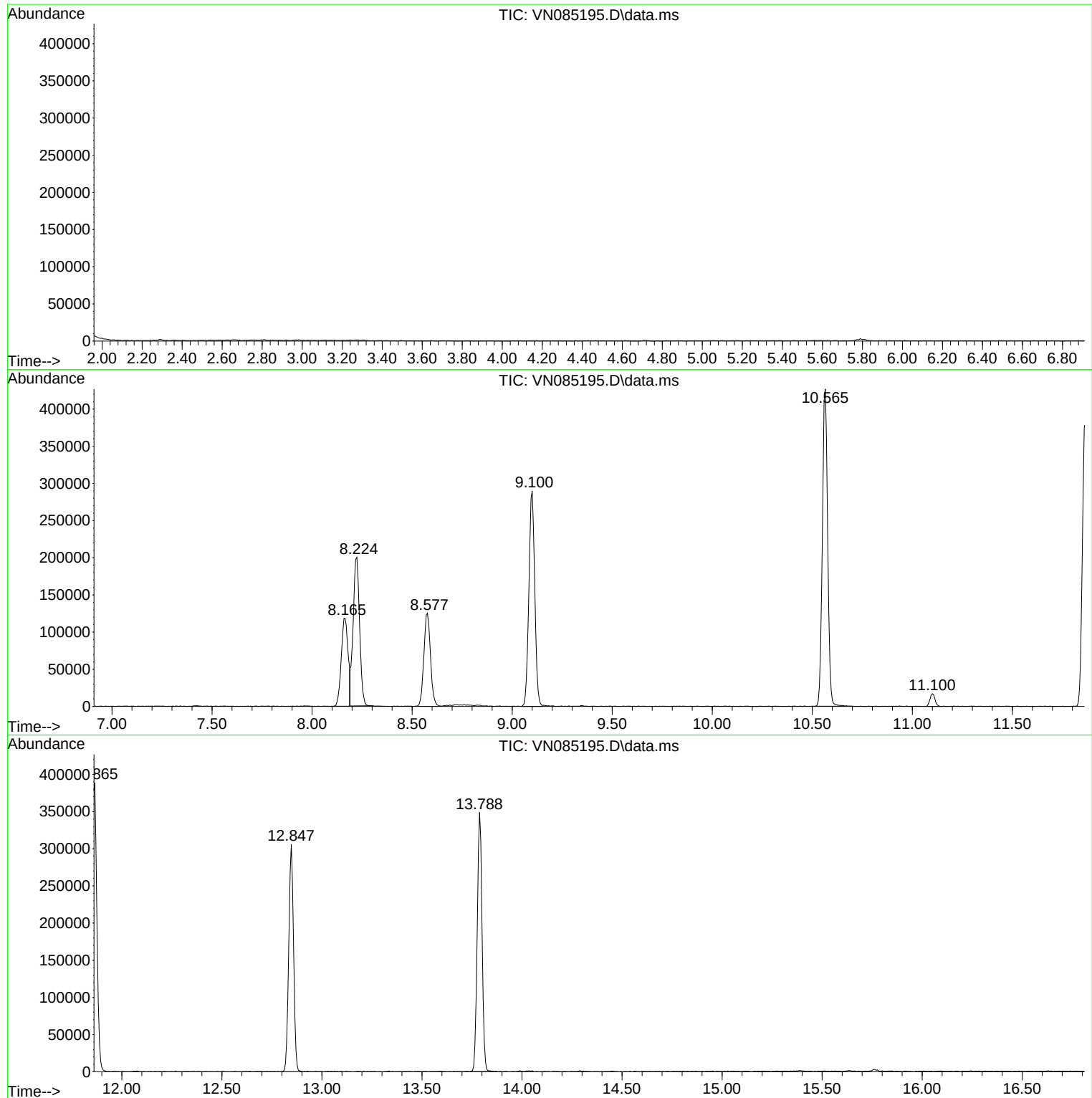
Sum of corrected areas: 4193190

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085195.D
Acq On : 13 Dec 2024 14:40
Operator : JC\MD
Sample : P5270-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW11-20241211

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\VN121324\
Data File : VN085195.D
Acq On : 13 Dec 2024 14:40
Operator : JC\MD
Sample : P5270-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW11-20241211

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\VN121324\
Data File : VN085195.D
Acq On : 13 Dec 2024 14:40
Operator : JC\MD
Sample : P5270-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW11-20241211

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:	12/11/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24	
Client Sample ID:	MW15-20241211		SDG No.:	P5270	
Lab Sample ID:	P5270-03		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
VN085196.D	1		12/13/24 15:04	VN121324

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	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	6.10		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	0.60	J	0.18	1.00	ug/L
67-66-3	Chloroform	3.00		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	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:	12/11/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/13/24
Client Sample ID:	MW15-20241211			SDG No.:	P5270
Lab Sample ID:	P5270-03			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
VN085196.D	1		12/13/24 15:04	VN121324

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/11/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24	
Client Sample ID:	MW15-20241211		SDG No.:	P5270	
Lab Sample ID:	P5270-03		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
VN085196.D	1		12/13/24 15:04	VN121324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
563-58-6	1,1-Dichloropropene	5.40	J		8.22	ug/L
108-21-4	Isopropyl Acetate	0.31	J		8.69	ug/L
96-18-4	1,2,3-Trichloropropane	33.3	J		12.8	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	73.5	J		12.8	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\VN121324\
 Data File : VN085196.D
 Acq On : 13 Dec 2024 15:04
 Operator : JC\MD
 Sample : P5270-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW15-20241211

Quant Time: Dec 13 23:34:39 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)

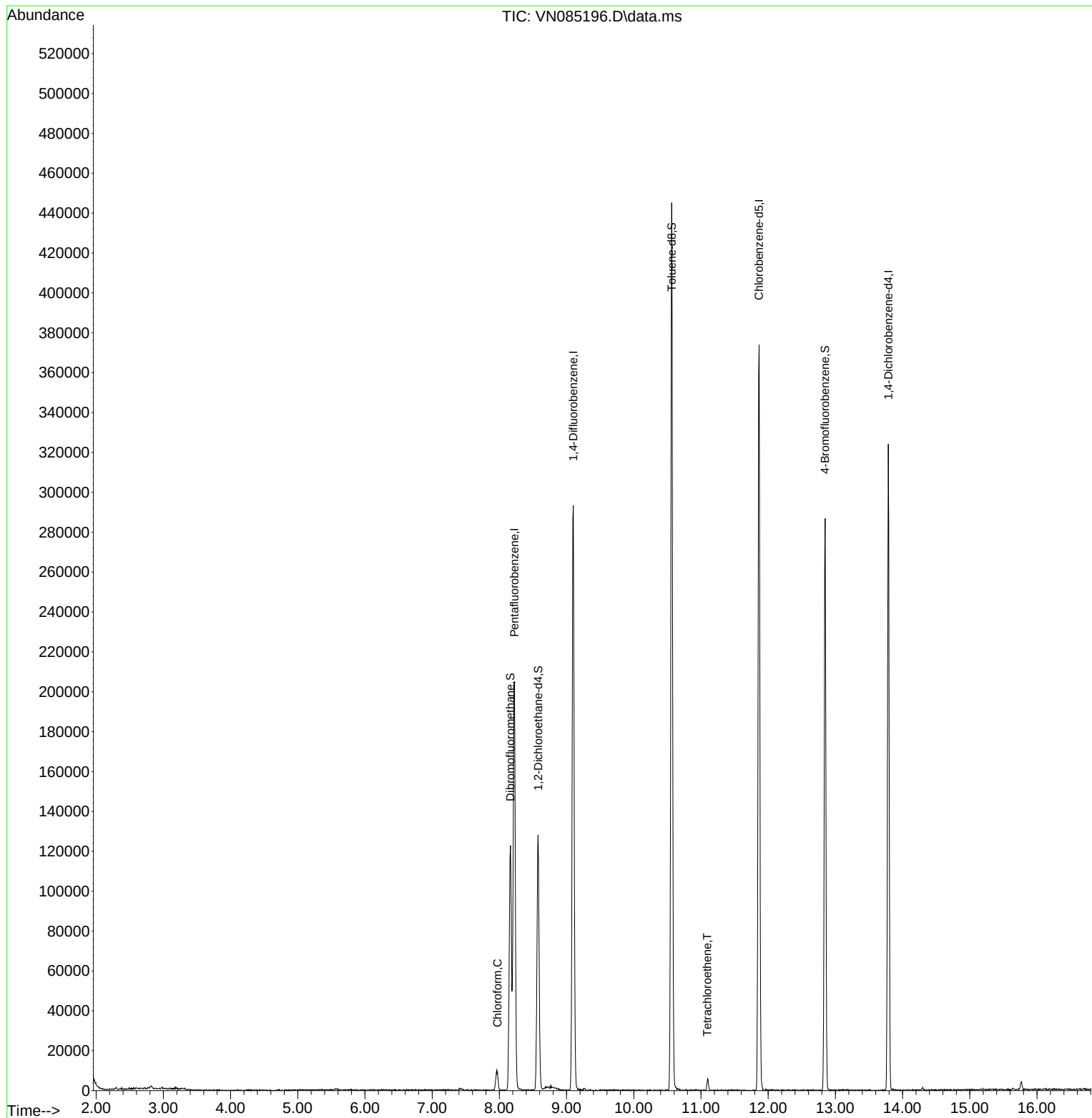
Internal Standards						
1) Pentafluorobenzene	8.224	168	147414	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	254847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	222652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	86352	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106179	50.566	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.140%			
35) Dibromofluoromethane	8.165	113	87803	51.090	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.180%			
50) Toluene-d8	10.565	98	300598	48.806	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.620%			
62) 4-Bromofluorobenzene	12.847	95	100411	43.595	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.180%			
Target Compounds						
30) Chloroform	7.971	83	10194	3.017	ug/l	86
64) Tetrachloroethene	11.094	164	1547	1.031	ug/l #	56

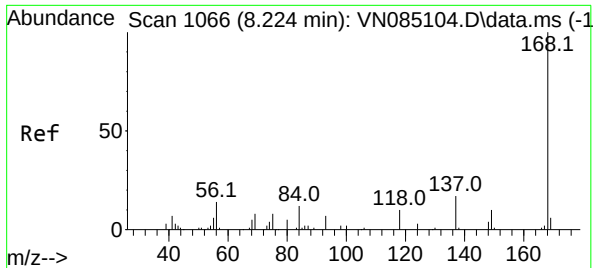
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085196.D
Acq On : 13 Dec 2024 15:04
Operator : JC\MD
Sample : P5270-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW15-20241211

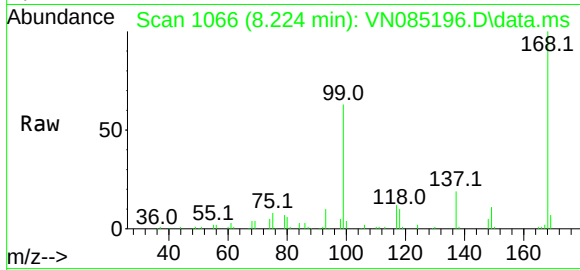
Quant Time: Dec 13 23:34:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



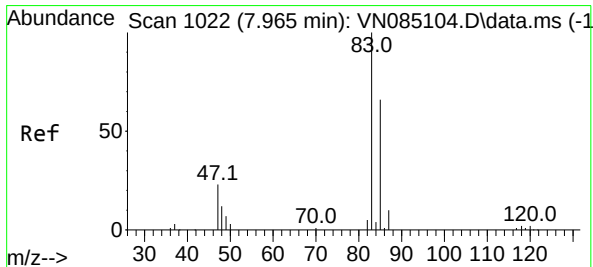
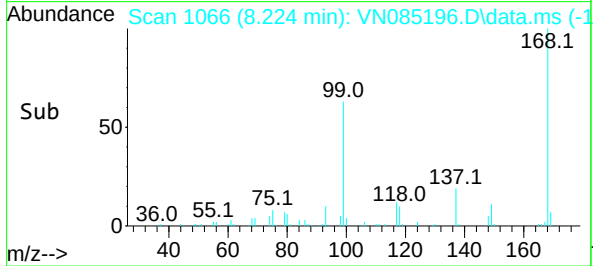
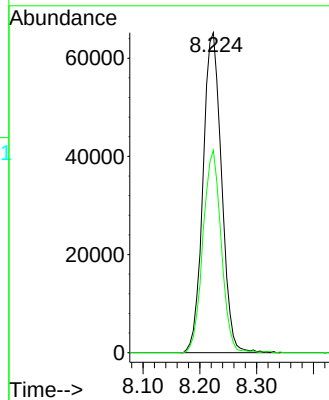


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Instrument :
MSVOA_N
ClientSampleId :
MW15-20241211

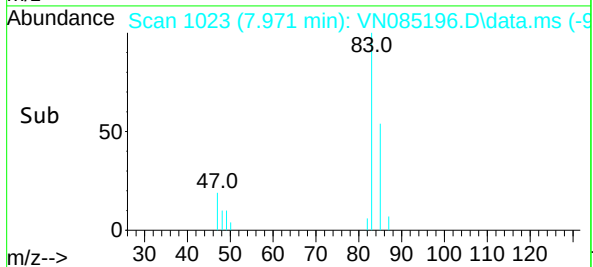
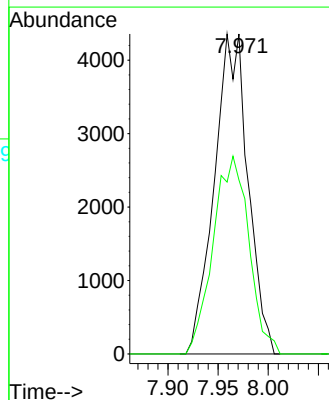
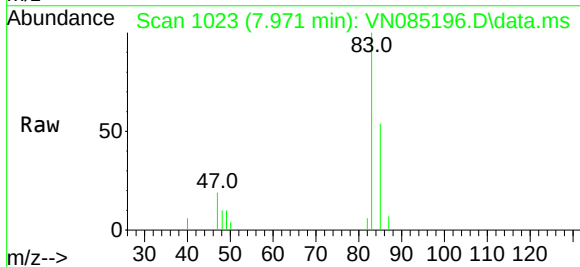


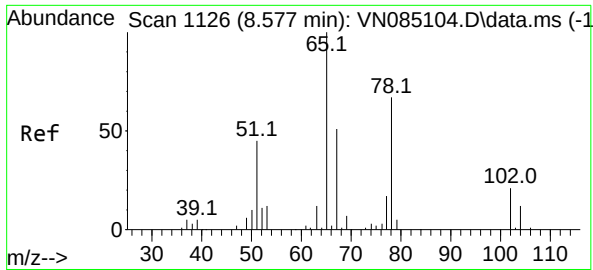
Tgt Ion:168 Resp: 147414
Ion Ratio Lower Upper
168 100
99 63.3 51.2 76.8



#30
Chloroform
Concen: 3.017 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.012 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Tgt Ion: 83 Resp: 10194
Ion Ratio Lower Upper
83 100
85 54.4 52.6 78.8





#33

1,2-Dichloroethane-d4

Concen: 50.566 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

Instrument :

MSVOA_N

ClientSampleId :

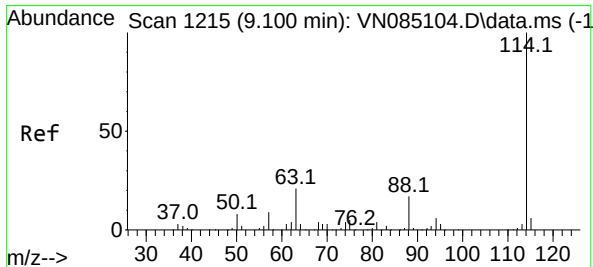
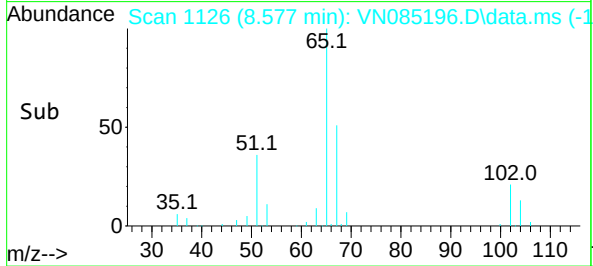
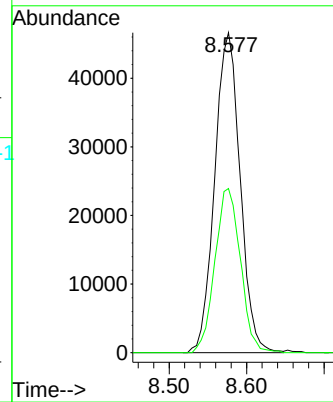
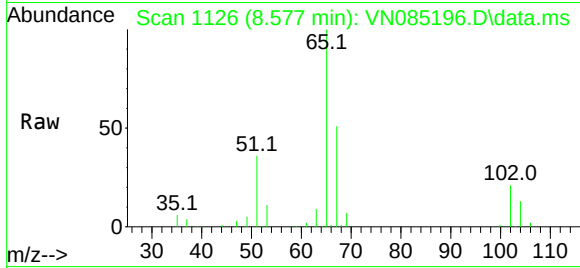
MW15-20241211

Tgt Ion: 65 Resp: 106179

Ion Ratio Lower Upper

65 100

67 51.6 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: VN085196.D

Acq: 13 Dec 2024 15:04

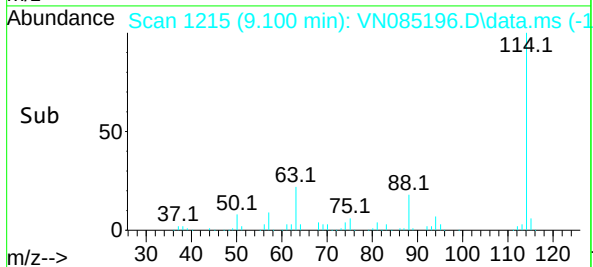
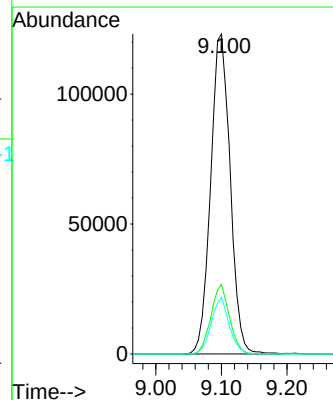
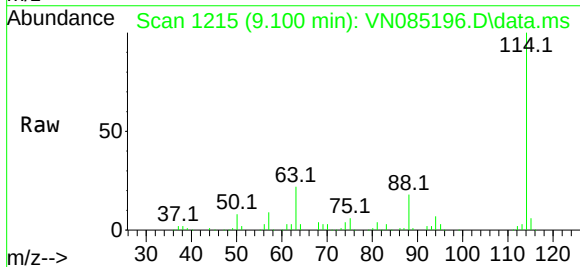
Tgt Ion: 114 Resp: 254847

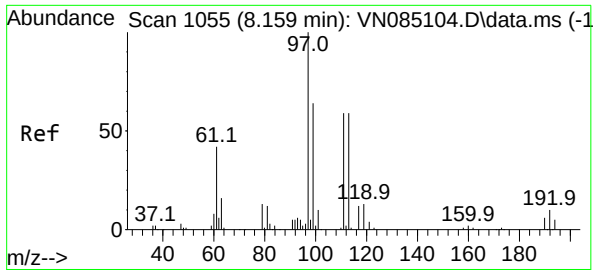
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.0

88 17.7 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.090 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085196.D

Acq: 13 Dec 2024 15:04

Instrument :

MSVOA_N

ClientSampleId :

MW15-20241211

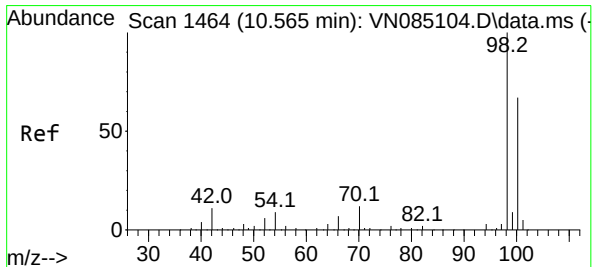
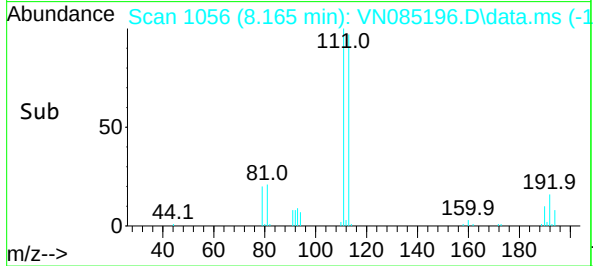
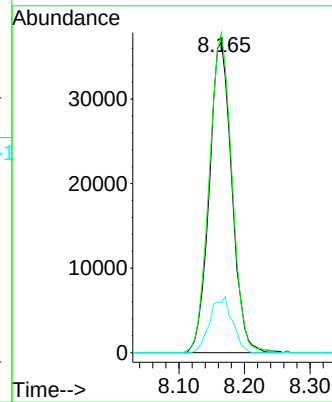
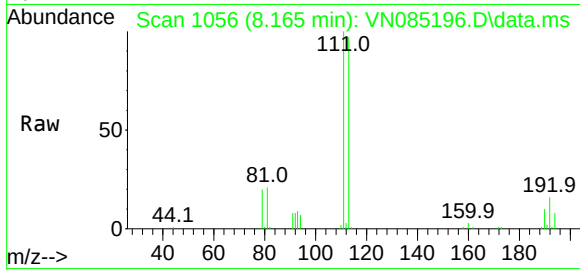
Tgt Ion:113 Resp: 87803

Ion Ratio Lower Upper

113 100

111 103.9 82.0 123.0

192 18.0 14.8 22.2



#50

Toluene-d8

Concen: 48.806 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085196.D

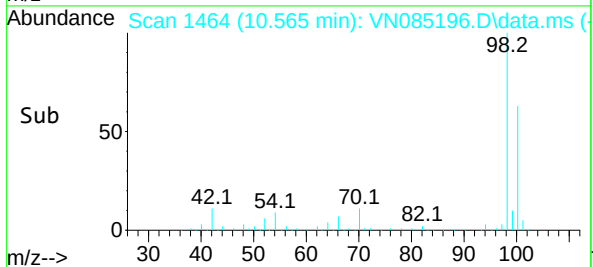
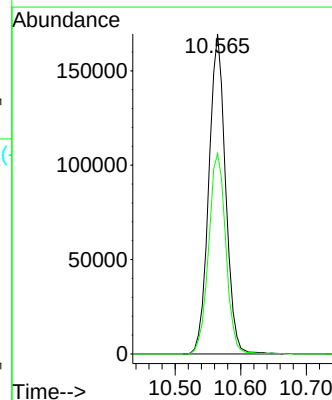
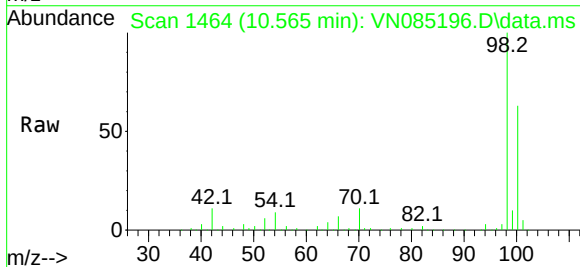
Acq: 13 Dec 2024 15:04

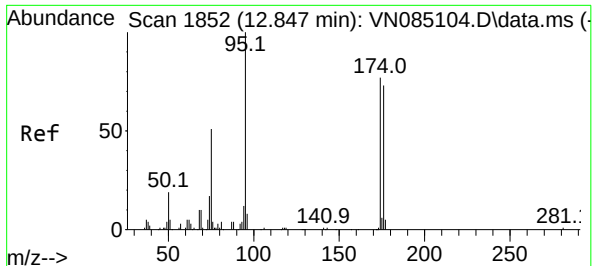
Tgt Ion: 98 Resp: 300598

Ion Ratio Lower Upper

98 100

100 64.3 52.5 78.7

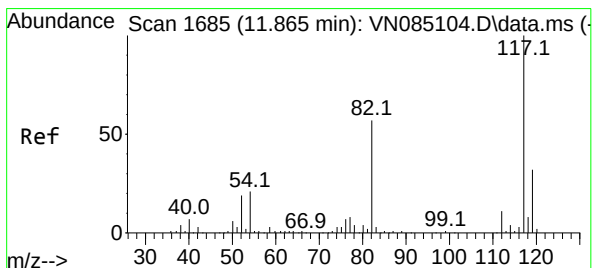
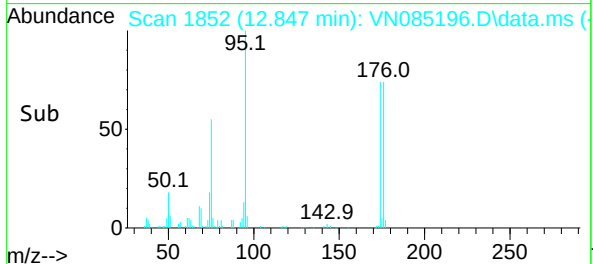
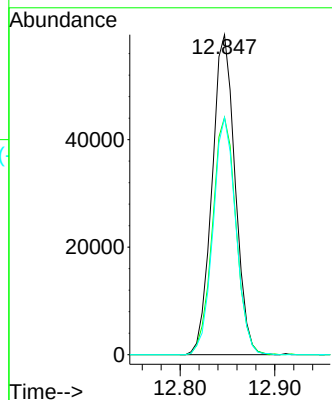
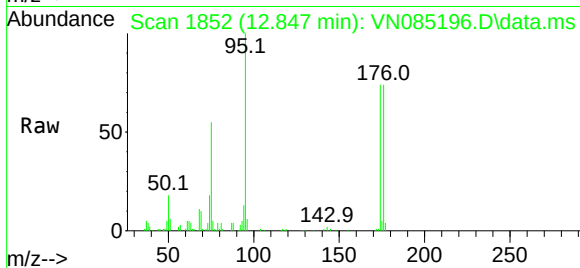




#62
4-Bromofluorobenzene
Concen: 43.595 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

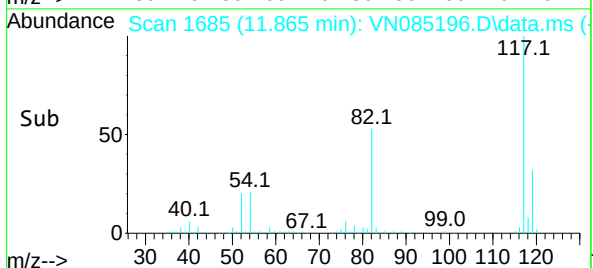
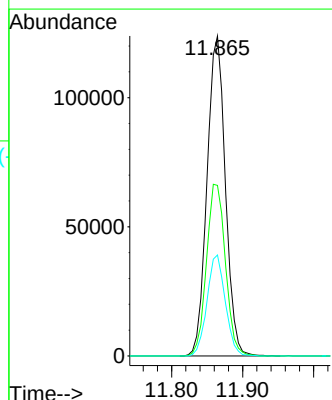
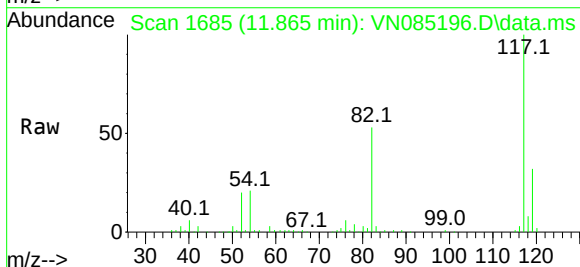
Instrument :
MSVOA_N
ClientSampleId :
MW15-20241211

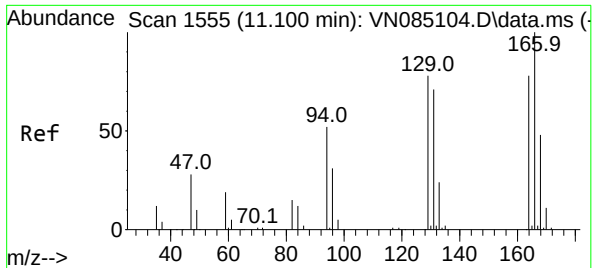
Tgt Ion: 95 Resp: 100411
Ion Ratio Lower Upper
95 100
174 75.7 0.0 146.6
176 73.2 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Tgt Ion: 117 Resp: 222652
Ion Ratio Lower Upper
117 100
82 53.3 46.0 69.0
119 31.6 25.6 38.4

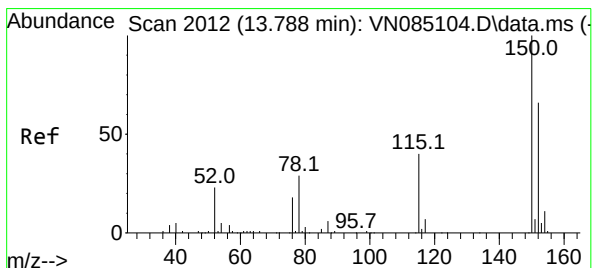
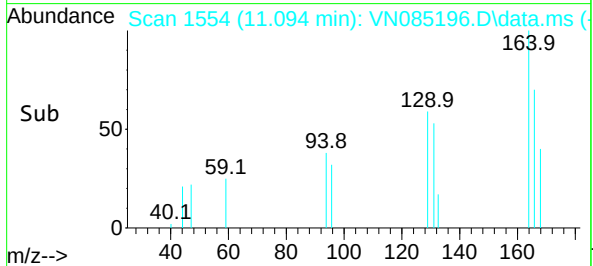
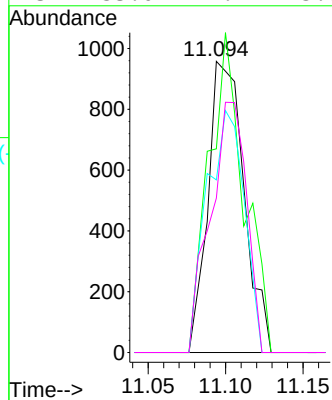
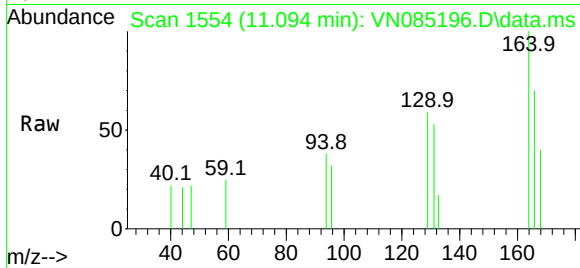




#64
Tetrachloroethene
Concen: 1.031 ug/l
RT: 11.094 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

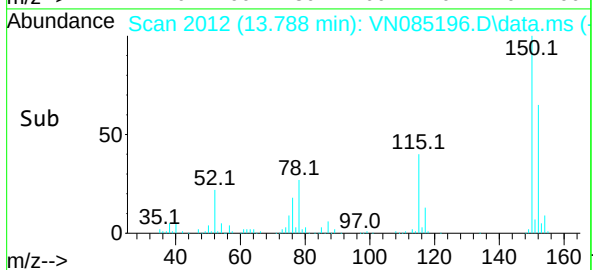
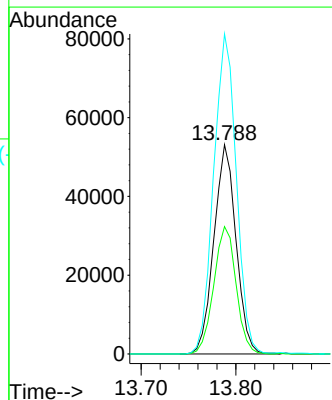
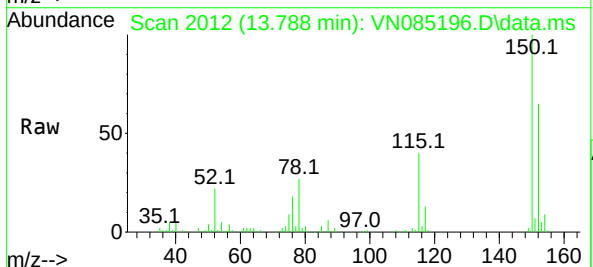
Instrument :
MSVOA_N
ClientSampleId :
MW15-20241211

Tgt Ion:164 Resp: 1547
Ion Ratio Lower Upper
164 100
166 69.9 100.6 151.0#
129 59.3 77.7 116.5#
131 53.0 77.2 115.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085196.D
Acq: 13 Dec 2024 15:04

Tgt Ion:152 Resp: 86352
Ion Ratio Lower Upper
152 100
115 61.2 31.7 95.1
150 156.2 0.0 351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085196.D
Acq On : 13 Dec 2024 15:04
Operator : JC\MD
Sample : P5270-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW15-20241211

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: VN085196.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.959	1014	1021	1030	rVB3	9936	23433	2.95%	0.565%
2	8.165	1045	1056	1060	rBV2	122687	284834	35.90%	6.866%
3	8.224	1060	1066	1077	rVB	204368	460576	58.05%	11.102%
4	8.577	1115	1126	1138	rBV	128269	286919	36.16%	6.916%
5	9.100	1204	1215	1226	rBV	293271	600596	75.70%	14.477%
6	10.565	1456	1464	1477	rBV	445264	793384	100.00%	19.124%
7	11.100	1549	1555	1561	rBB3	6019	10251	1.29%	0.247%
8	11.865	1676	1685	1695	rBV	373848	676113	85.22%	16.297%
9	12.847	1845	1852	1860	rBV	286837	482989	60.88%	11.642%
10	13.788	2004	2012	2020	rBV	324144	529531	66.74%	12.764%

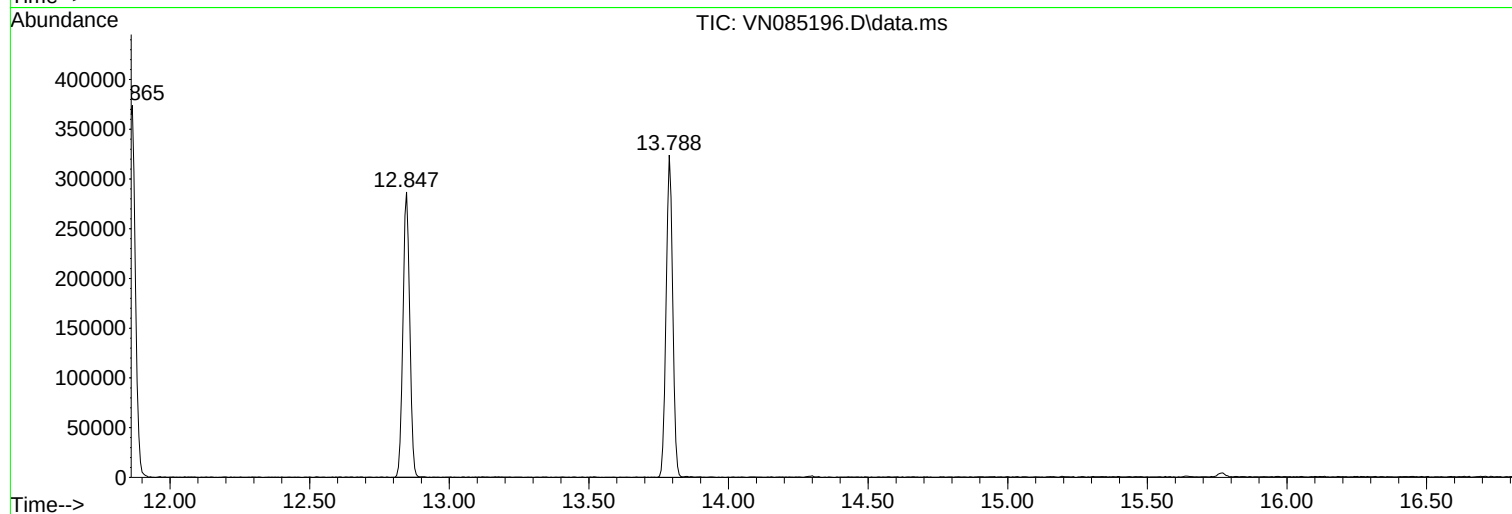
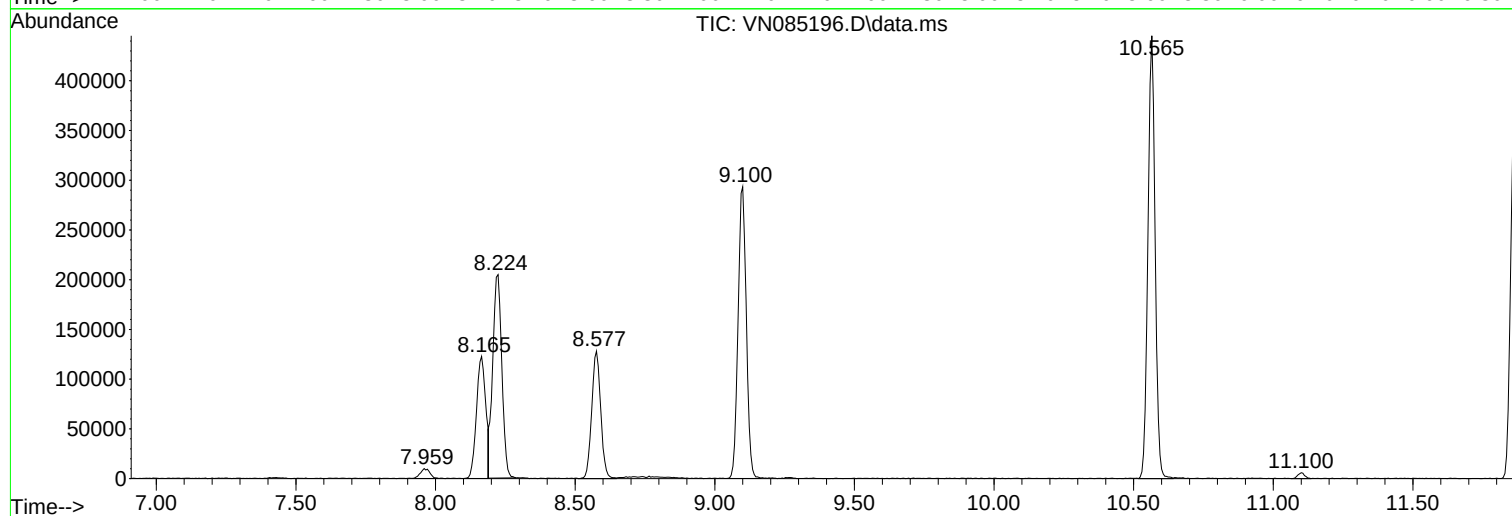
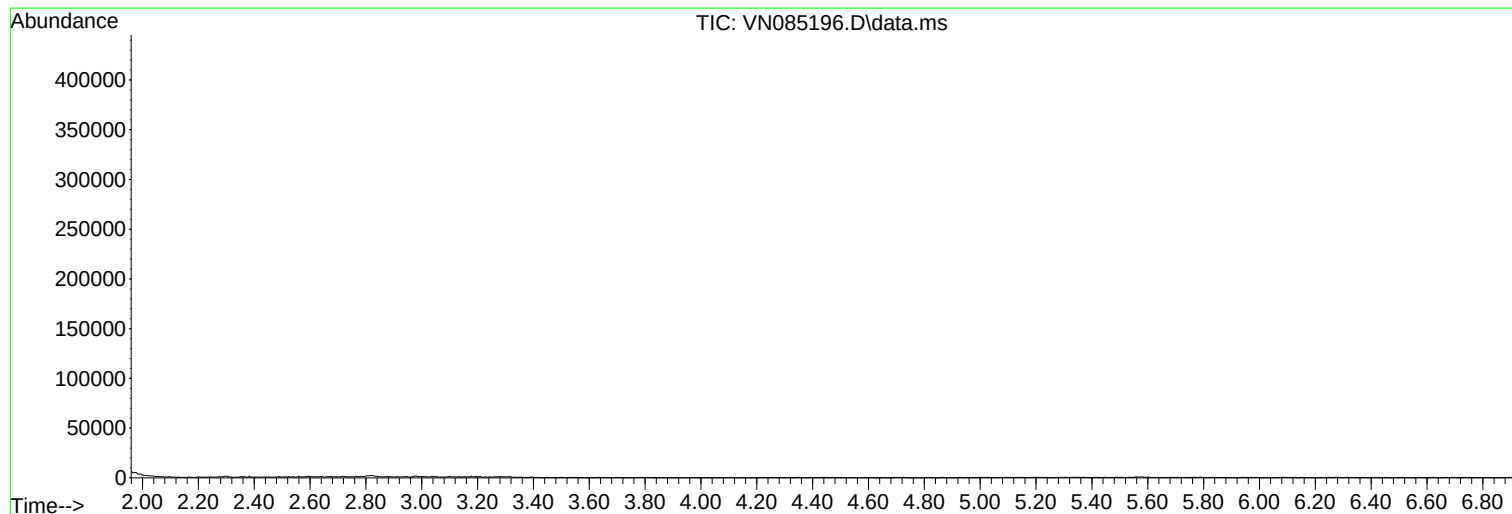
Sum of corrected areas: 4148626

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085196.D
Acq On : 13 Dec 2024 15:04
Operator : JC\MD
Sample : P5270-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW15-20241211

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\VN121324\
Data File : VN085196.D
Acq On : 13 Dec 2024 15:04
Operator : JC\MD
Sample : P5270-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW15-20241211

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\VN121324\
Data File : VN085196.D
Acq On : 13 Dec 2024 15:04
Operator : JC\MD
Sample : P5270-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW15-20241211

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:	12/11/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24	
Client Sample ID:	MW17-20241211		SDG No.:	P5270	
Lab Sample ID:	P5270-04		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
VN085197.D	1		12/13/24 15:28	VN121324

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	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	6.00		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	2.60		0.18	1.00	ug/L
67-66-3	Chloroform	12.0		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:	12/11/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/13/24
Client Sample ID:	MW17-20241211			SDG No.:	P5270
Lab Sample ID:	P5270-04			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
VN085197.D	1		12/13/24 15:28	VN121324

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/11/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/13/24
Client Sample ID:	MW17-20241211			SDG No.:	P5270
Lab Sample ID:	P5270-04			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
VN085197.D	1		12/13/24 15:28	VN121324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
563-58-6	1,1-Dichloropropene	5.40	J		8.22	ug/L
96-18-4	1,2,3-Trichloropropane	33.3	J		12.8	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	73.6	J		12.8	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\VN121324\
 Data File : VN085197.D
 Acq On : 13 Dec 2024 15:28
 Operator : JC\MD
 Sample : P5270-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW17-20241211

Quant Time: Dec 13 23:35:07 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)

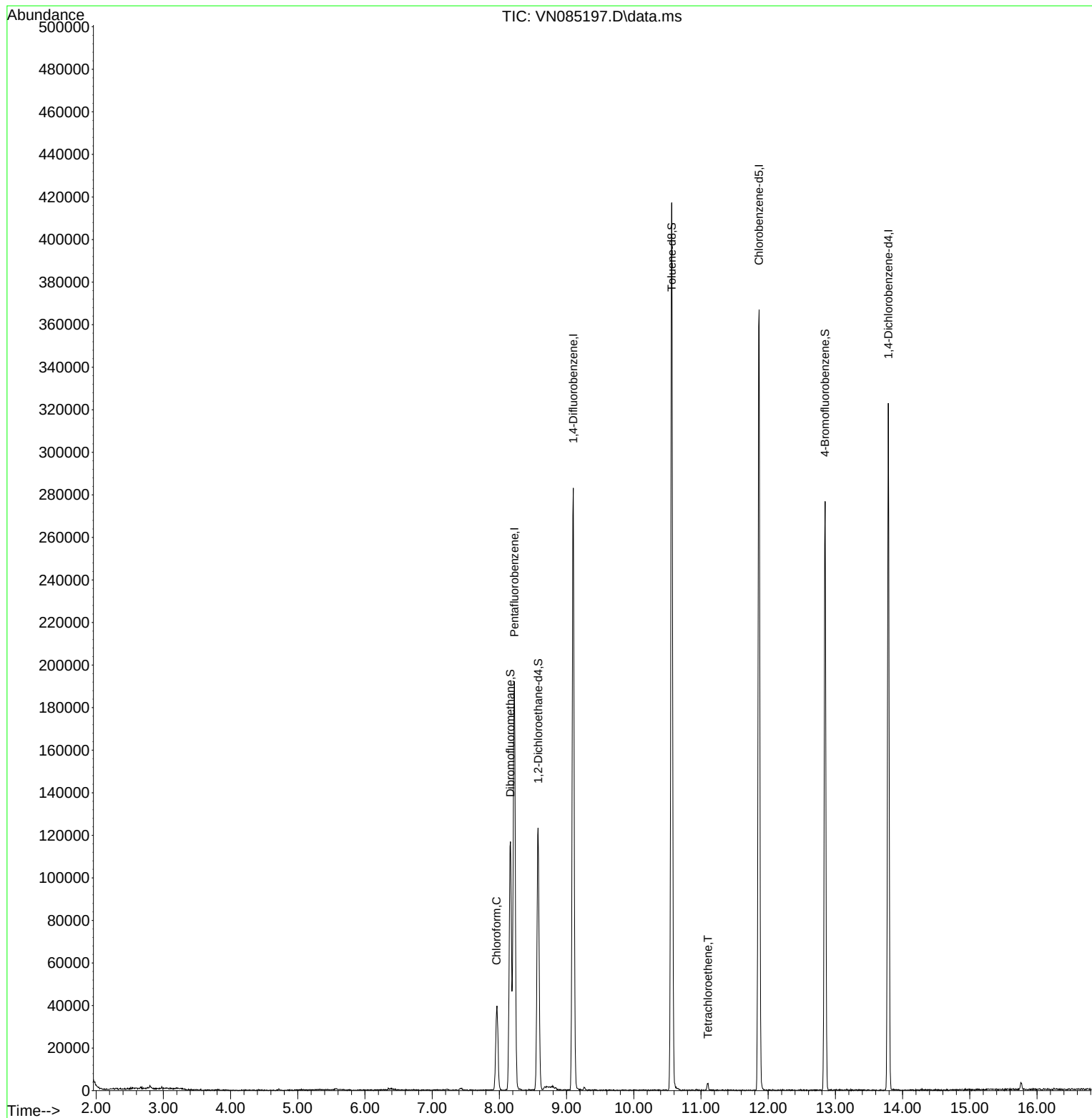
Internal Standards						
1) Pentafluorobenzene	8.223	168	137054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	242188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	210970	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	83538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	104535	53.546	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.100%
35) Dibromofluoromethane	8.165	113	85236	52.188	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.380%
50) Toluene-d8	10.565	98	282126	48.201	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.400%
62) 4-Bromofluorobenzene	12.847	95	95621	43.685	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.360%
Target Compounds						Qvalue
30) Chloroform	7.959	83	37777	12.024	ug/l	97
64) Tetrachloroethene	11.106	164	826	0.581	ug/l #	69

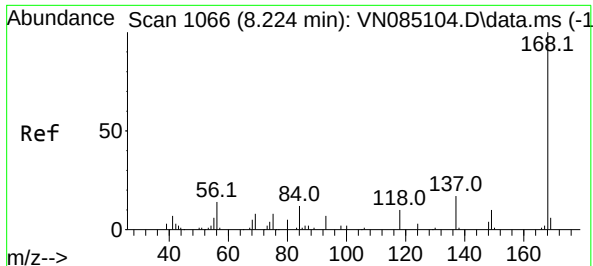
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085197.D
Acq On : 13 Dec 2024 15:28
Operator : JC\MD
Sample : P5270-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW17-20241211

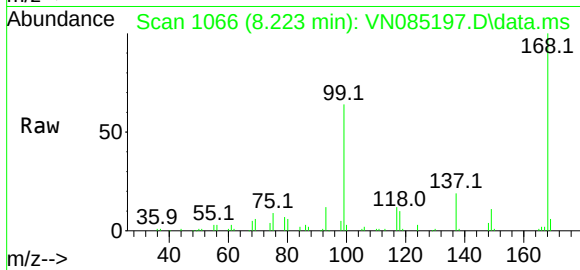
Quant Time: Dec 13 23:35:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



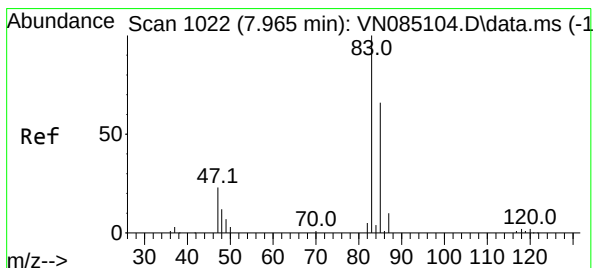
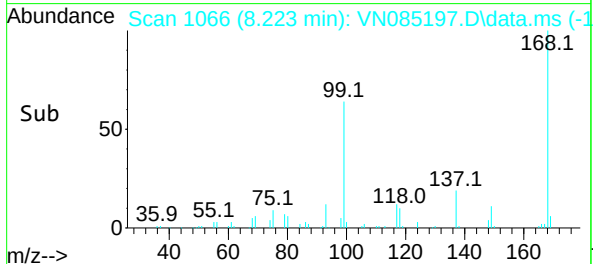
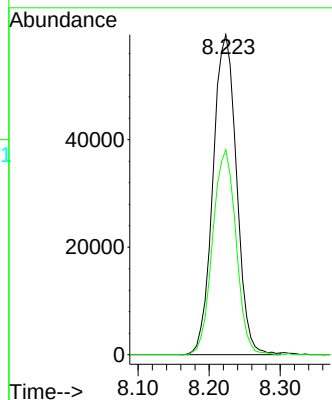


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.223 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN085197.D
Acq: 13 Dec 2024 15:28

Instrument :
MSVOA_N
ClientSampleId :
MW17-20241211

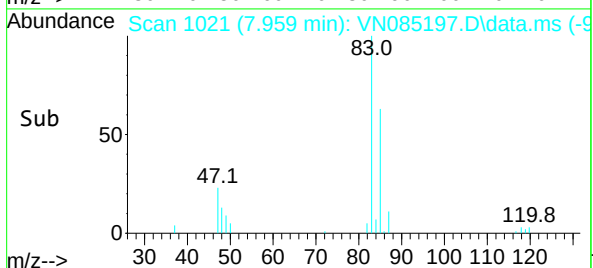
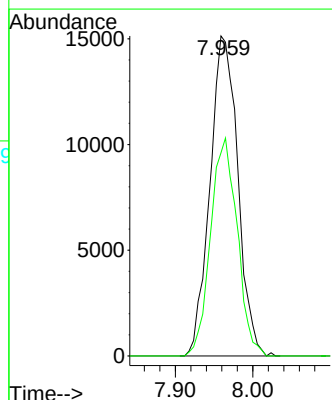
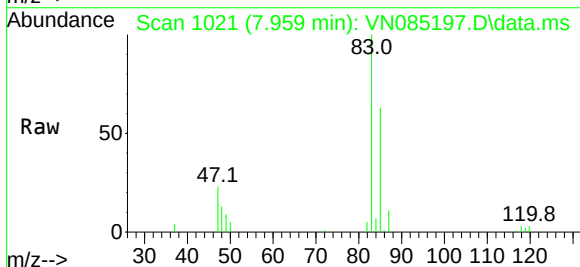


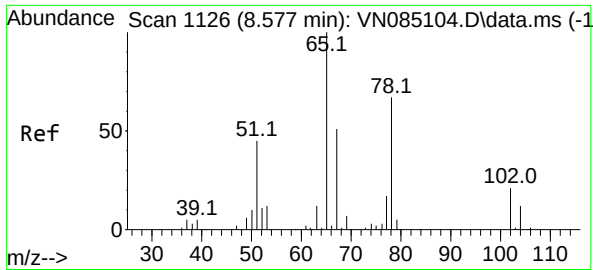
Tgt Ion:168 Resp: 137054
Ion Ratio Lower Upper
168 100
99 64.0 51.2 76.8



#30
Chloroform
Concen: 12.024 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085197.D
Acq: 13 Dec 2024 15:28

Tgt Ion: 83 Resp: 37777
Ion Ratio Lower Upper
83 100
85 63.5 52.6 78.8





#33

1,2-Dichloroethane-d4

Concen: 53.546 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085197.D

Acq: 13 Dec 2024 15:28

Instrument :

MSVOA_N

ClientSampleId :

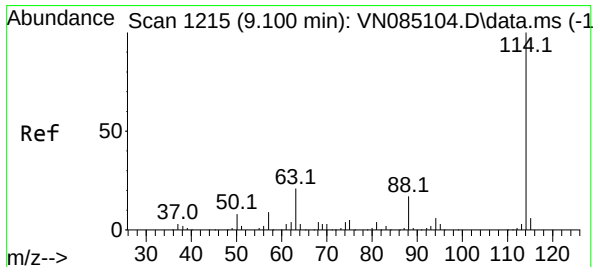
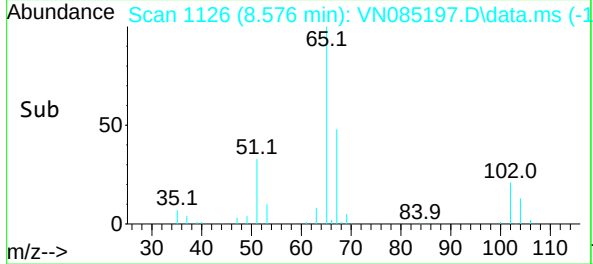
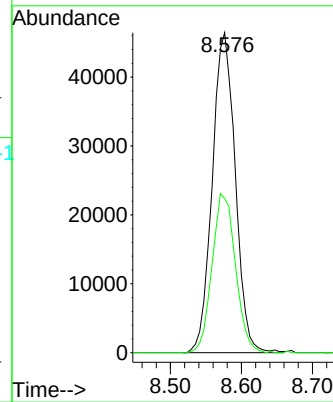
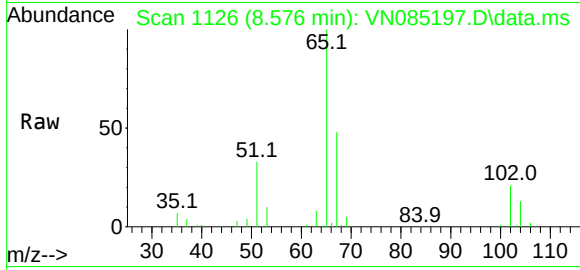
MW17-20241211

Tgt Ion: 65 Resp: 104535

Ion Ratio Lower Upper

65 100

67 50.5 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: VN085197.D

Acq: 13 Dec 2024 15:28

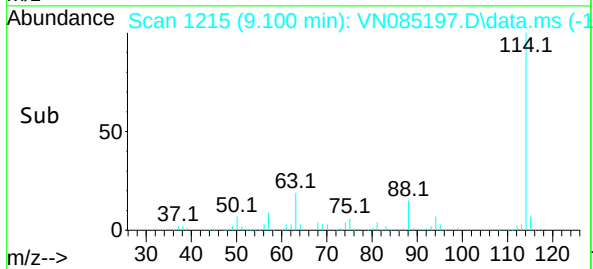
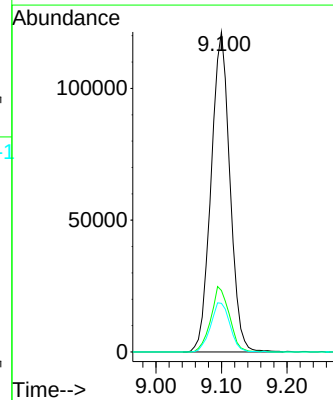
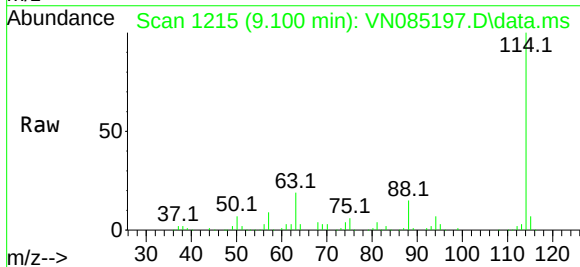
Tgt Ion: 114 Resp: 242188

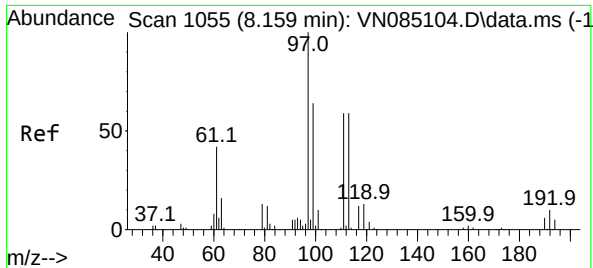
Ion Ratio Lower Upper

114 100

63 19.2 0.0 41.0

88 15.2 0.0 34.8





#35

Dibromofluoromethane

Concen: 52.188 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085197.D

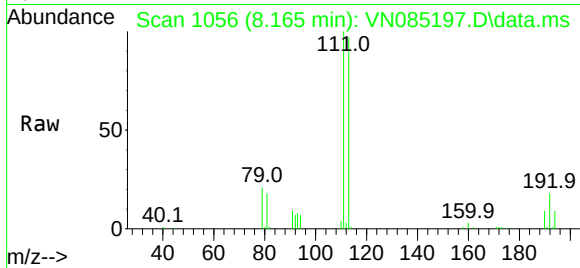
Acq: 13 Dec 2024 15:28

Instrument :

MSVOA_N

ClientSampleId :

MW17-20241211



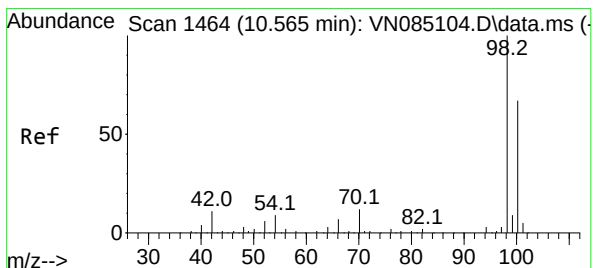
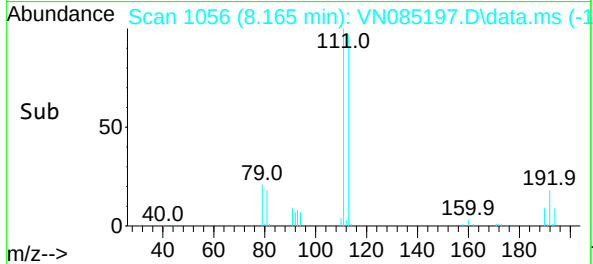
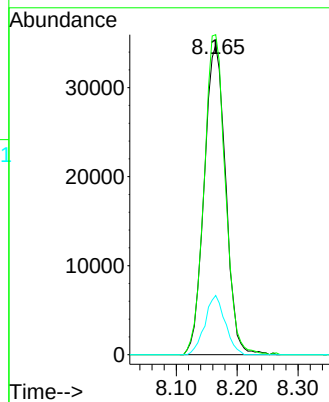
Tgt Ion:113 Resp: 85236

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

192 18.0 14.8 22.2



#50

Toluene-d8

Concen: 48.201 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085197.D

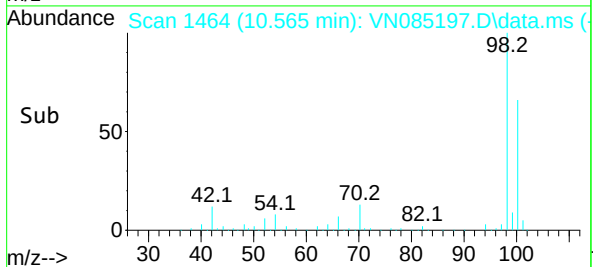
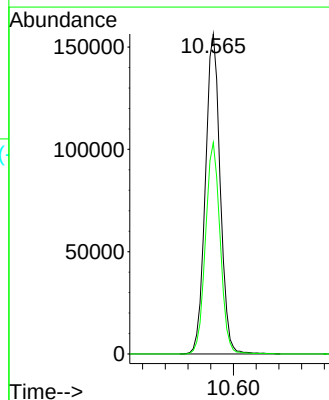
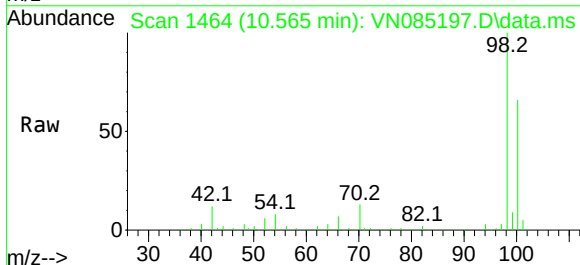
Acq: 13 Dec 2024 15:28

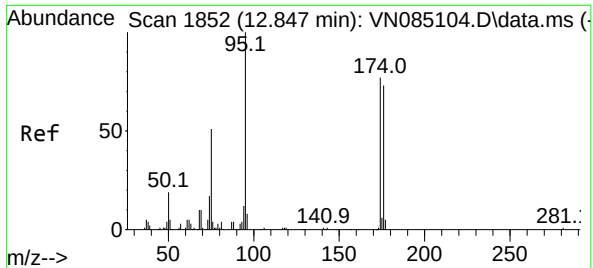
Tgt Ion: 98 Resp: 282126

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7

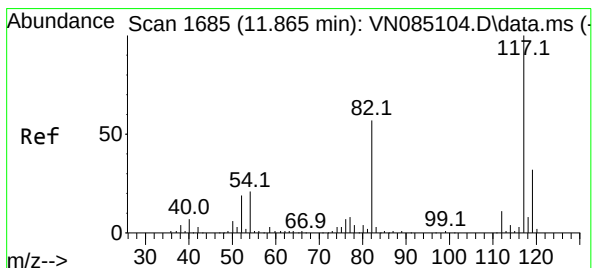
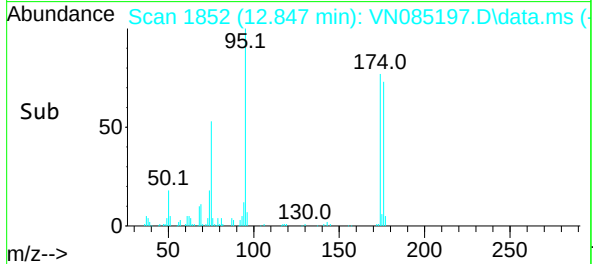
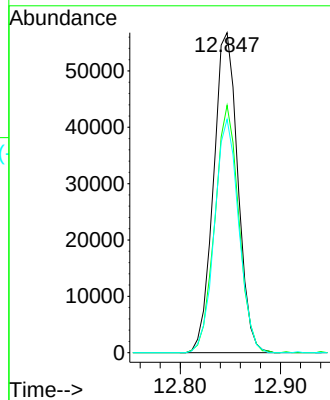
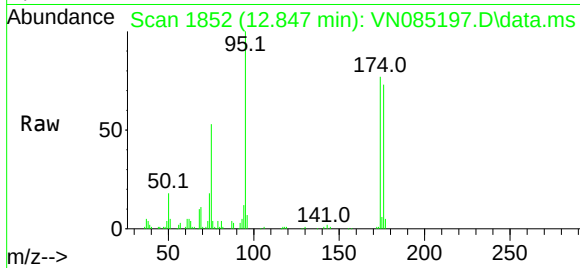




#62
4-Bromofluorobenzene
Concen: 43.685 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085197.D
Acq: 13 Dec 2024 15:28

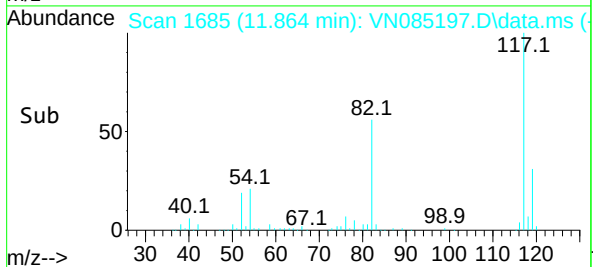
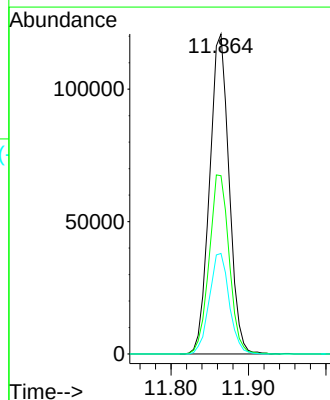
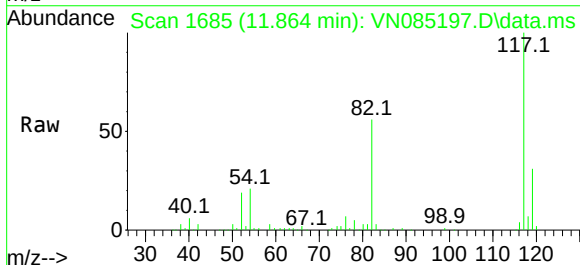
Instrument :
MSVOA_N
ClientSampleId :
MW17-20241211

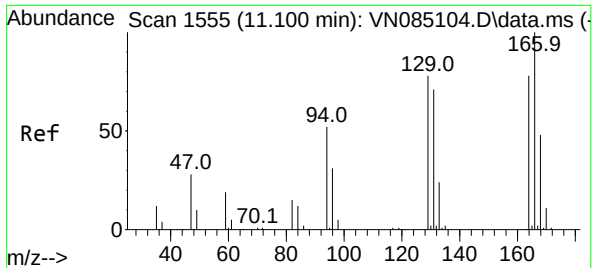
Tgt Ion: 95 Resp: 95621
Ion Ratio Lower Upper
95 100
174 75.8 0.0 146.6
176 72.8 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085197.D
Acq: 13 Dec 2024 15:28

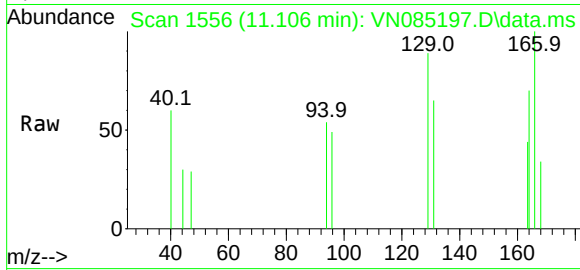
Tgt Ion: 117 Resp: 210970
Ion Ratio Lower Upper
117 100
82 55.7 46.0 69.0
119 31.4 25.6 38.4



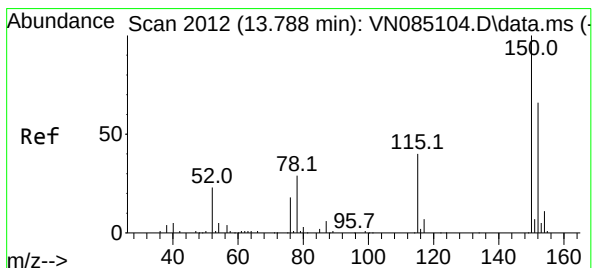
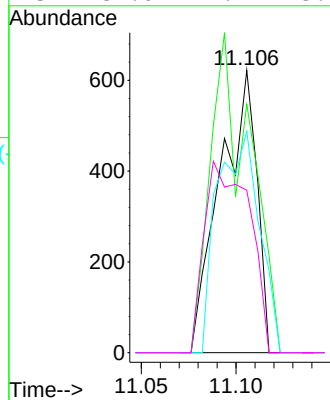


#64
Tetrachloroethene
Concen: 0.581 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085197.D
Acq: 13 Dec 2024 15:28

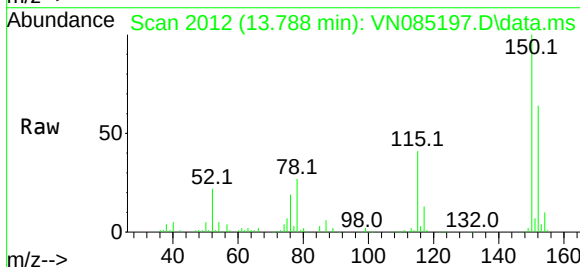
Instrument :
MSVOA_N
ClientSampleId :
MW17-20241211



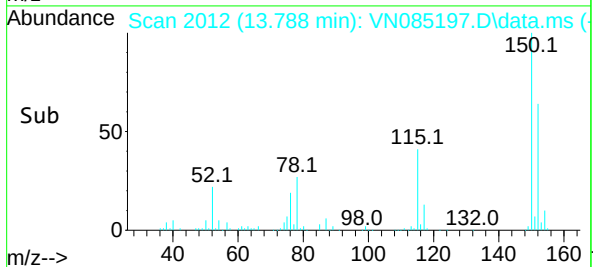
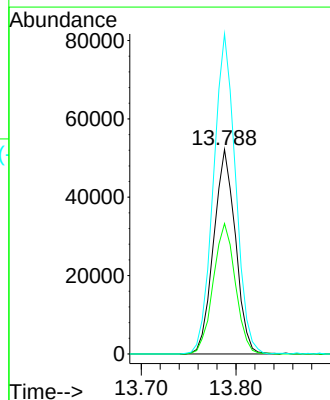
Tgt Ion:164 Resp: 826
Ion Ratio Lower Upper
164 100
166 87.9 100.6 151.0#
129 78.5 77.7 116.5
131 57.6 77.2 115.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085197.D
Acq: 13 Dec 2024 15:28



Tgt Ion:152 Resp: 83538
Ion Ratio Lower Upper
152 100
115 64.7 31.7 95.1
150 158.5 0.0 351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085197.D
Acq On : 13 Dec 2024 15:28
Operator : JC\MD
Sample : P5270-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW17-20241211

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: VN085197.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.965	1011	1022	1031	rBV	39470	93449	12.42%	2.321%
2	8.165	1047	1056	1060	rBV	116566	273964	36.41%	6.805%
3	8.223	1060	1066	1078	rVB	191868	432807	57.52%	10.750%
4	8.576	1117	1126	1136	rBV	123313	275838	36.66%	6.851%
5	9.100	1207	1215	1229	rBV	282922	566309	75.26%	14.066%
6	10.565	1453	1464	1476	rBV	417355	752435	100.00%	18.689%
7	11.864	1677	1685	1697	rBV	366804	651062	86.53%	16.171%
8	12.847	1845	1852	1860	rVB	276928	463289	61.57%	11.507%
9	13.788	2004	2012	2020	rBV	322817	517035	68.71%	12.842%

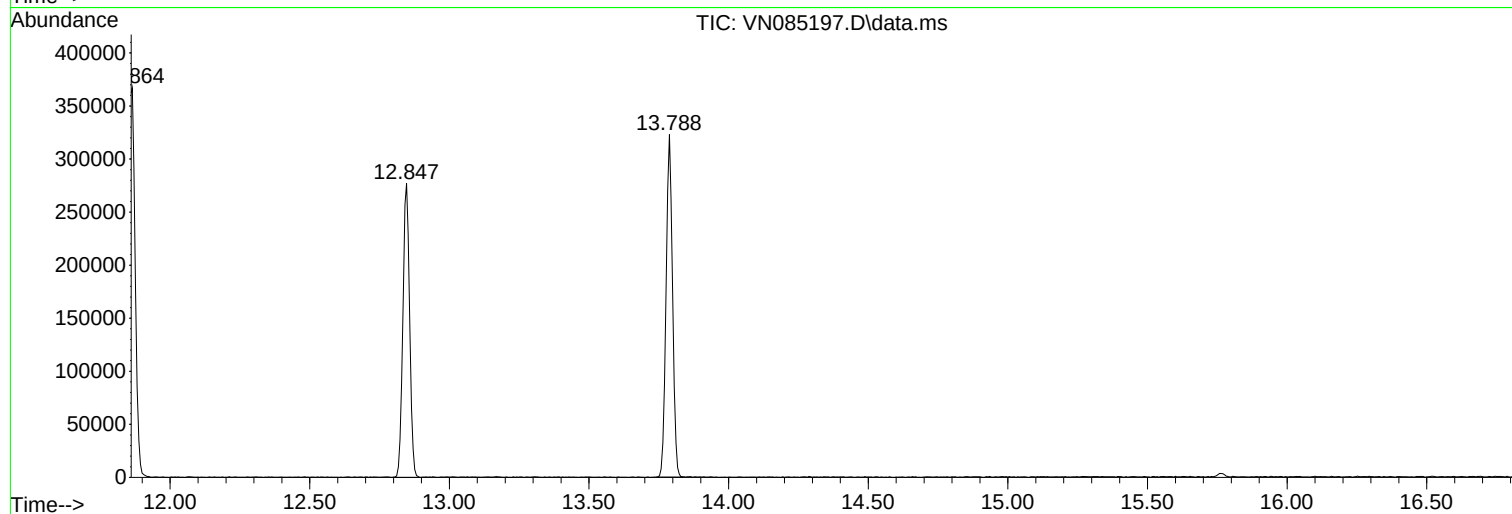
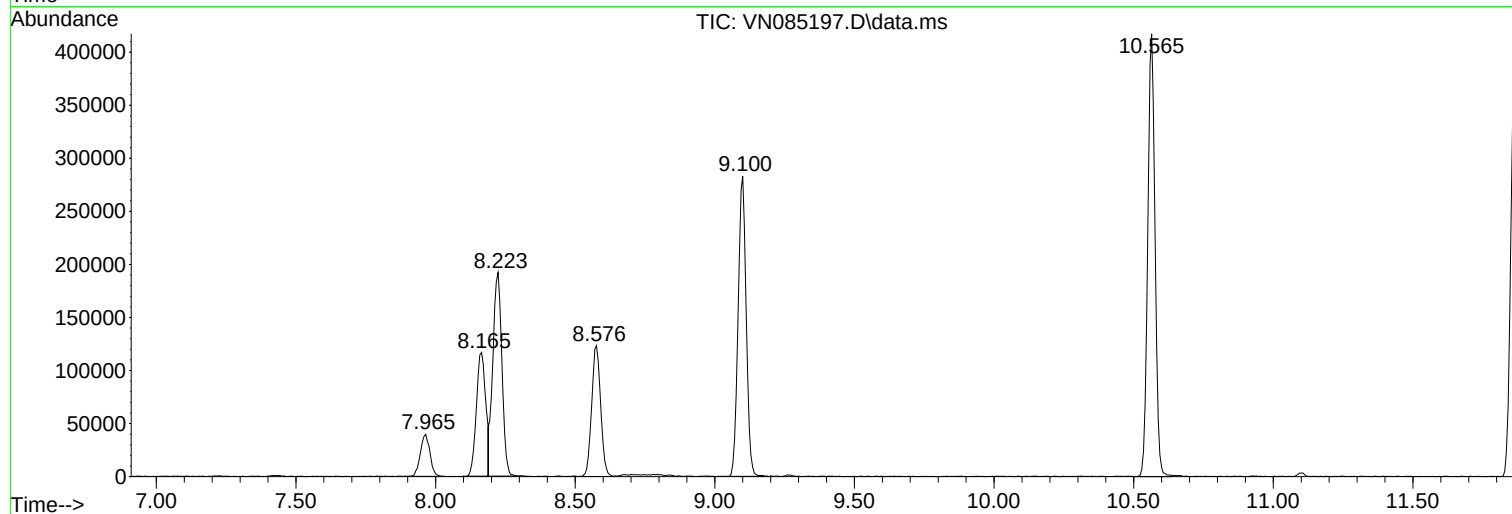
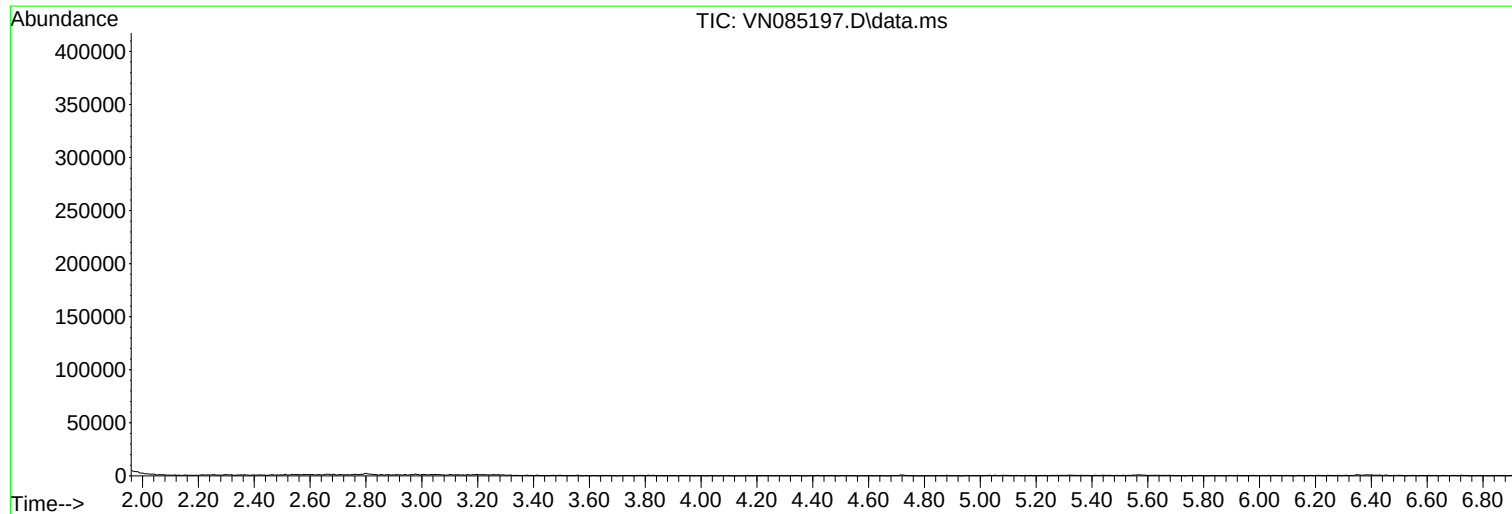
Sum of corrected areas: 4026188

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085197.D
Acq On : 13 Dec 2024 15:28
Operator : JC\MD
Sample : P5270-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW17-20241211

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\VN121324\
Data File : VN085197.D
Acq On : 13 Dec 2024 15:28
Operator : JC\MD
Sample : P5270-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW17-20241211

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\VN121324\
Data File : VN085197.D
Acq On : 13 Dec 2024 15:28
Operator : JC\MD
Sample : P5270-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW17-20241211

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:	12/12/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24	
Client Sample ID:	MW9-20241212		SDG No.:	P5270	
Lab Sample ID:	P5270-05		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
VN085198.D	1		12/13/24 15:52	VN121324

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	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	5.70		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	4.60		0.18	1.00	ug/L
67-66-3	Chloroform	21.1		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:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/13/24
Client Sample ID:	MW9-20241212			SDG No.:	P5270
Lab Sample ID:	P5270-05			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
VN085198.D	1		12/13/24 15:52	VN121324

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/13/24
Client Sample ID:	MW9-20241212	SDG No.:	P5270
Lab Sample ID:	P5270-05	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
VN085198.D	1		12/13/24 15:52	VN121324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
563-58-6	1,1-Dichloropropene	5.00	J		8.22	ug/L
96-18-4	1,2,3-Trichloropropane	33.6	J		12.8	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	74.3	J		12.8	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\VN121324\
 Data File : VN085198.D
 Acq On : 13 Dec 2024 15:52
 Operator : JC\MD
 Sample : P5270-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW9-20241212

Quant Time: Dec 13 23:35:34 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)

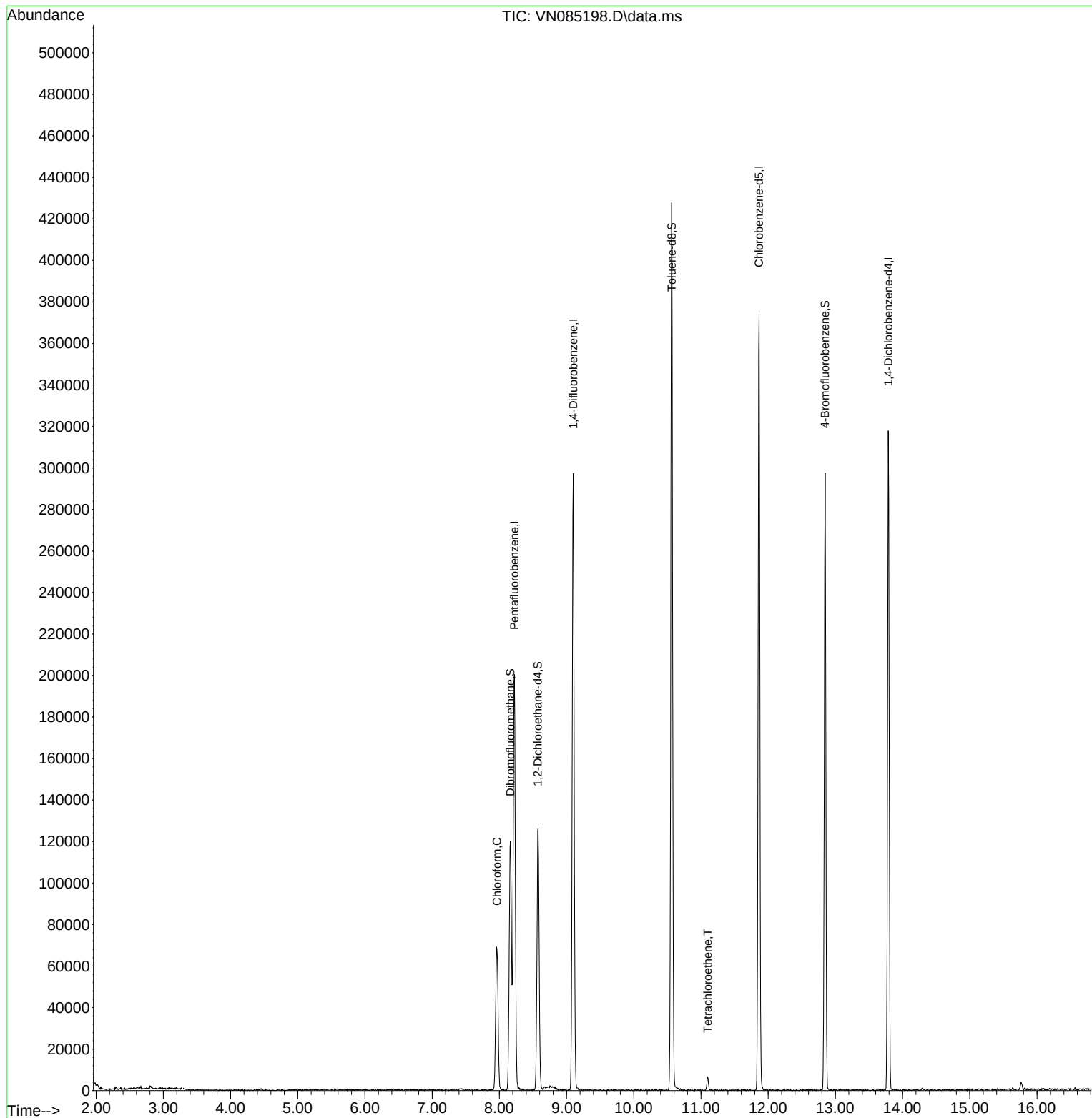
Internal Standards						
1) Pentafluorobenzene	8.224	168	144306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	251366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	217141	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	87781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	106645	51.882	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.760%	
35) Dibromofluoromethane	8.165	113	86533	51.048	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.100%	
50) Toluene-d8	10.565	98	295508	48.644	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.280%	
62) 4-Bromofluorobenzene	12.847	95	97481	42.909	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 85.820%	
Target Compounds						
30) Chloroform	7.965	83	69640	21.051	ug/l	93
64) Tetrachloroethene	11.100	164	1580	1.080	ug/l #	75

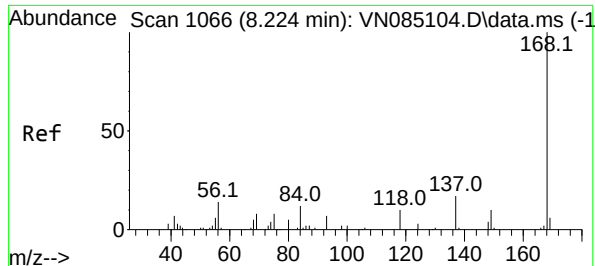
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085198.D
Acq On : 13 Dec 2024 15:52
Operator : JC\MD
Sample : P5270-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW9-20241212

Quant Time: Dec 13 23:35:34 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

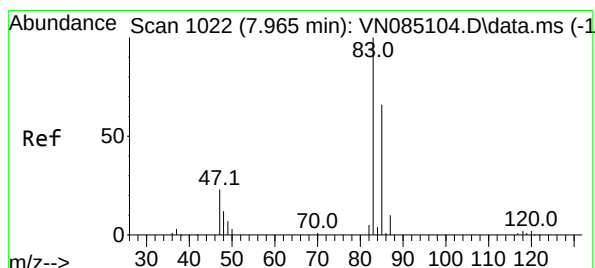
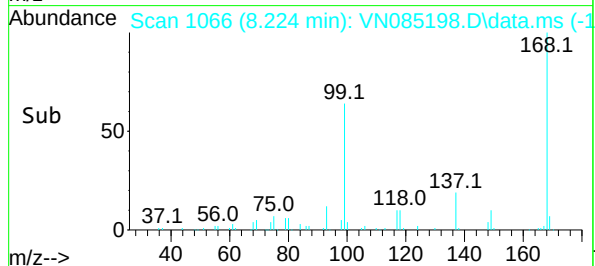
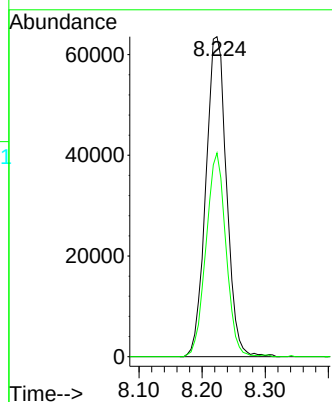
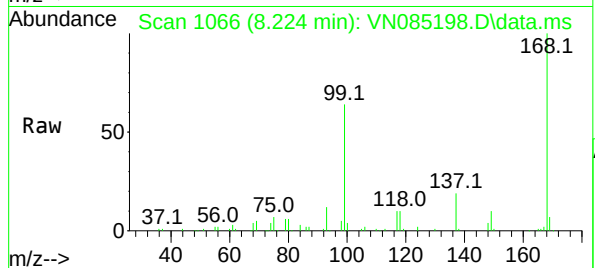




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085198.D
Acq: 13 Dec 2024 15:52

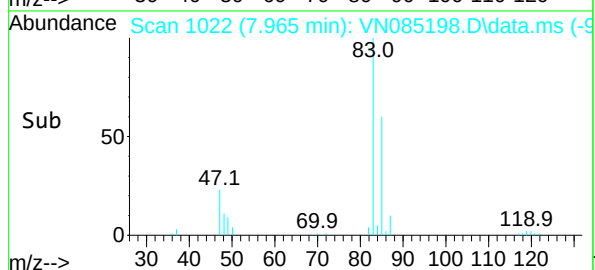
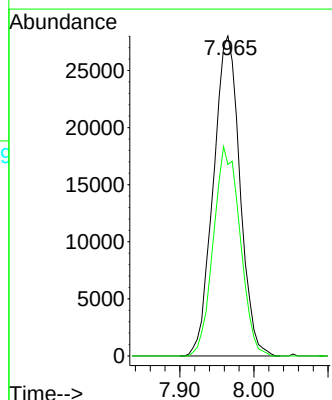
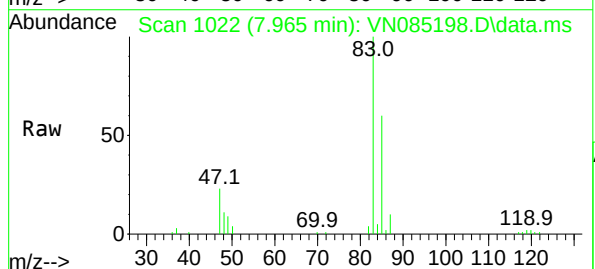
Instrument :
MSVOA_N
ClientSampleId :
MW9-20241212

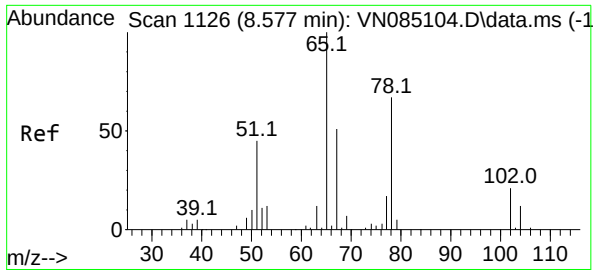
Tgt Ion:168 Resp: 144306
Ion Ratio Lower Upper
168 100
99 63.7 51.2 76.8



#30
Chloroform
Concen: 21.051 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085198.D
Acq: 13 Dec 2024 15:52

Tgt Ion: 83 Resp: 69640
Ion Ratio Lower Upper
83 100
85 59.8 52.6 78.8





#33

1,2-Dichloroethane-d4

Concen: 51.882 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN085198.D

Acq: 13 Dec 2024 15:52

Instrument :

MSVOA_N

ClientSampleId :

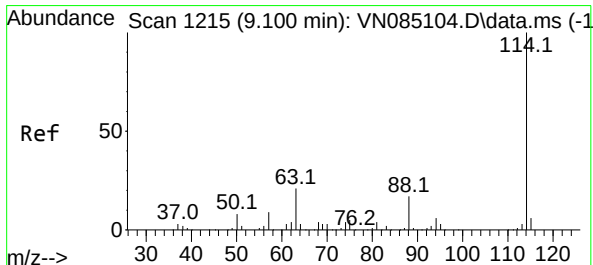
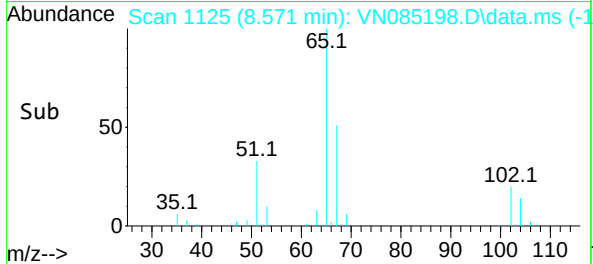
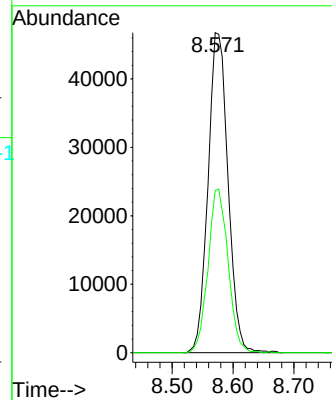
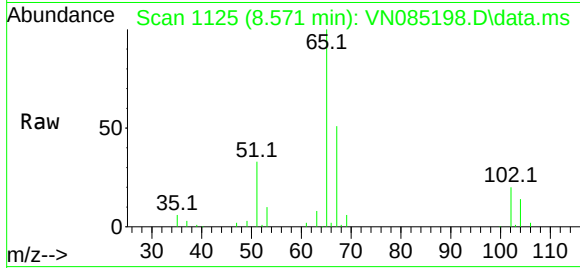
MW9-20241212

Tgt Ion: 65 Resp: 106645

Ion Ratio Lower Upper

65 100

67 51.2 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: VN085198.D

Acq: 13 Dec 2024 15:52

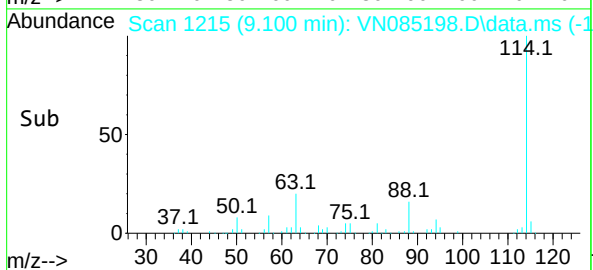
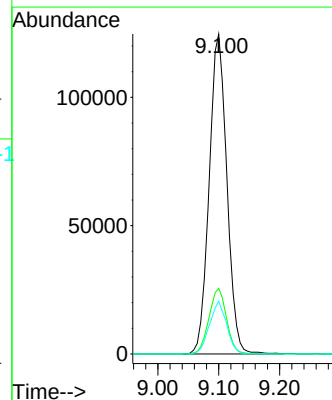
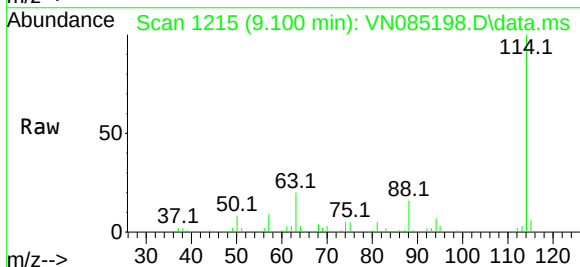
Tgt Ion: 114 Resp: 251366

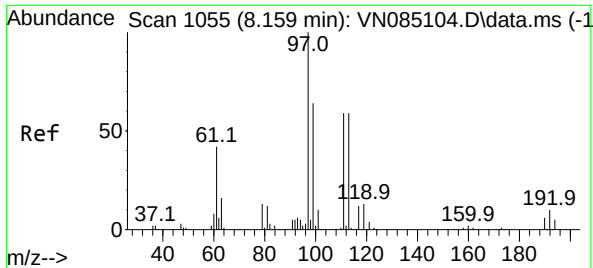
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.0

88 16.5 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.048 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085198.D

Acq: 13 Dec 2024 15:52

Instrument :

MSVOA_N

ClientSampleId :

MW9-20241212

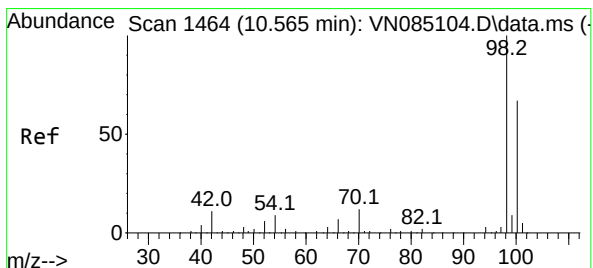
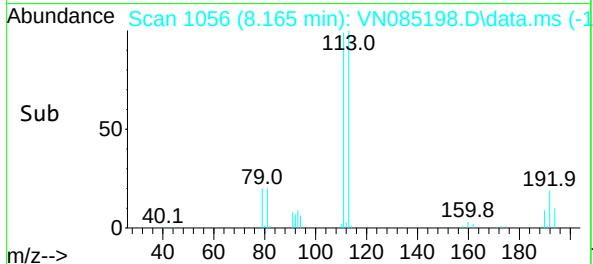
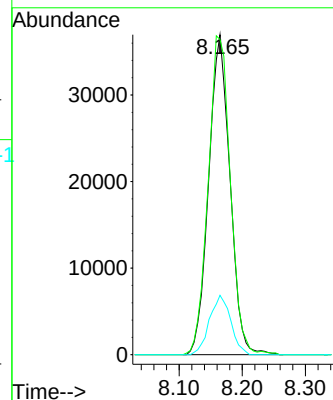
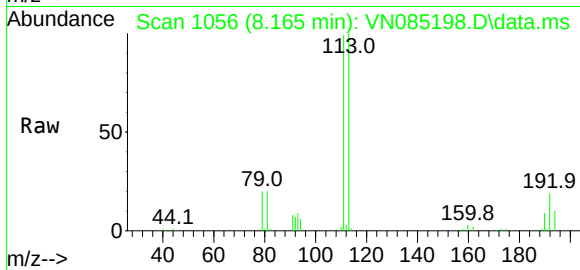
Tgt Ion:113 Resp: 86533

Ion Ratio Lower Upper

113 100

111 104.1 82.0 123.0

192 18.5 14.8 22.2



#50

Toluene-d8

Concen: 48.644 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085198.D

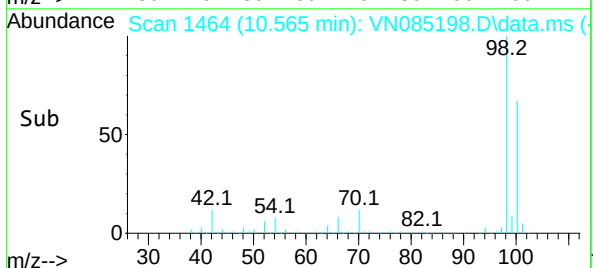
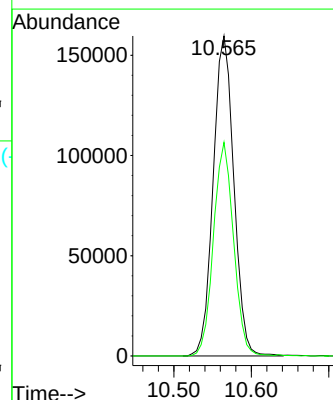
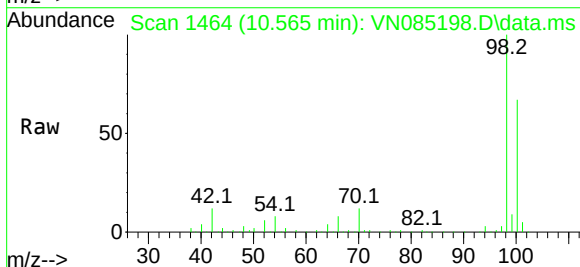
Acq: 13 Dec 2024 15:52

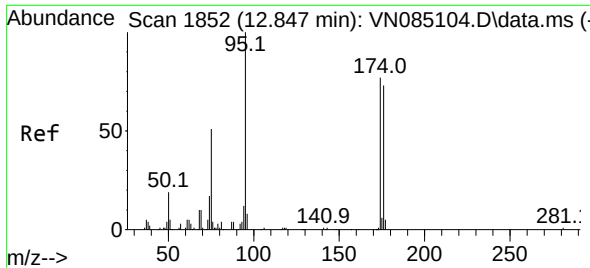
Tgt Ion: 98 Resp: 295508

Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7

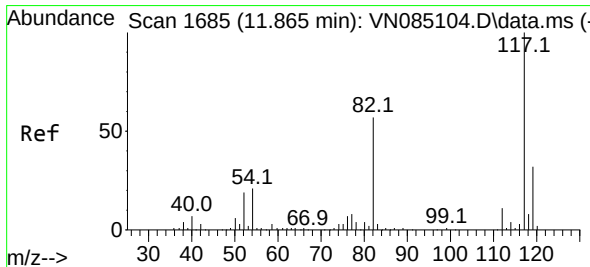
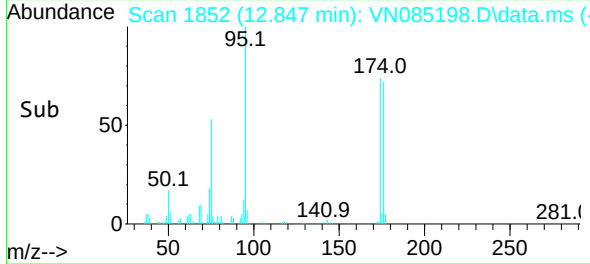
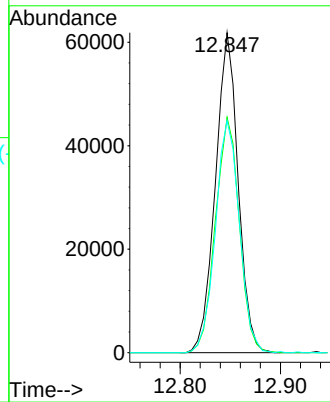
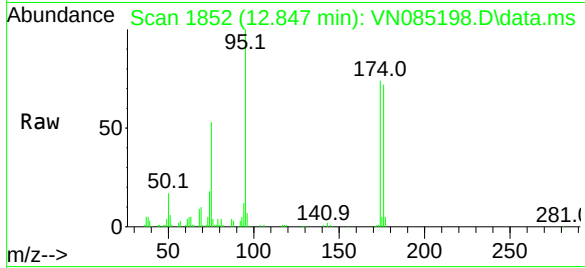




#62
4-Bromofluorobenzene
Concen: 42.909 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085198.D
Acq: 13 Dec 2024 15:52

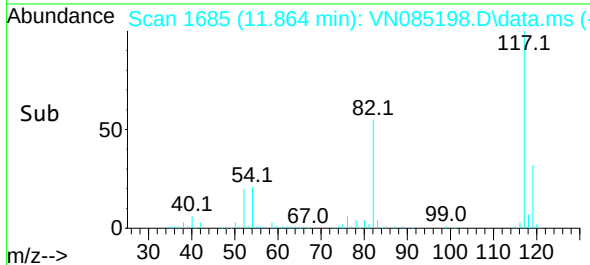
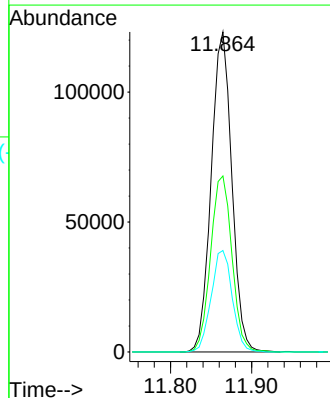
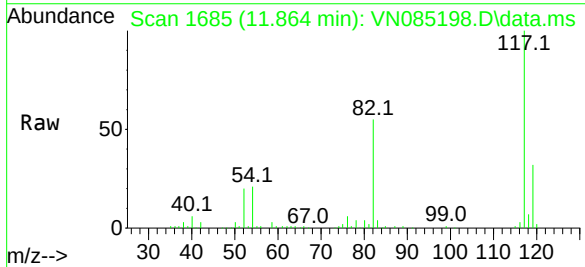
Instrument :
MSVOA_N
ClientSampleId :
MW9-20241212

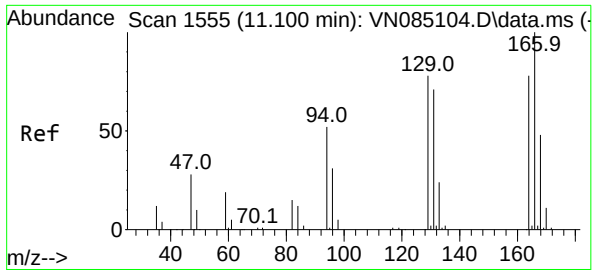
Tgt Ion: 95 Resp: 97481
Ion Ratio Lower Upper
95 100
174 77.0 0.0 146.6
176 76.5 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085198.D
Acq: 13 Dec 2024 15:52

Tgt Ion: 117 Resp: 217141
Ion Ratio Lower Upper
117 100
82 55.0 46.0 69.0
119 31.7 25.6 38.4





#64

Tetrachloroethene

Concen: 1.080 ug/l

RT: 11.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN085198.D

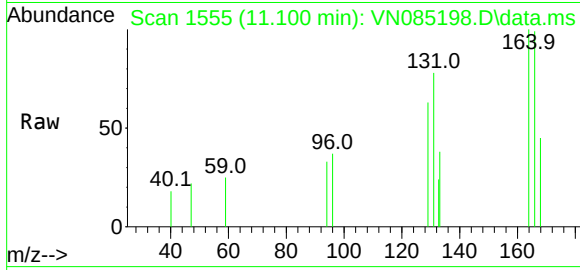
Acq: 13 Dec 2024 15:52

Instrument :

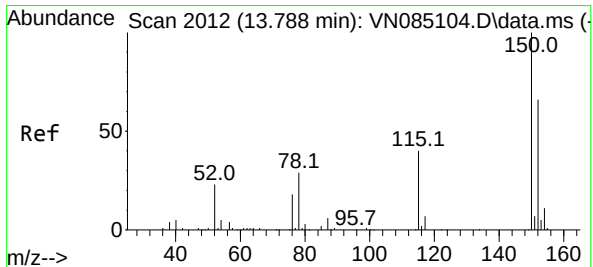
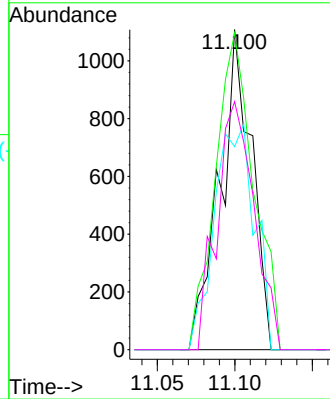
MSVOA_N

ClientSampleId :

MW9-20241212



Tgt Ion:	164	Resp:	1580
Ion	Ratio	Lower	Upper
164	100		
166	99.0	100.6	151.0#
129	63.4	77.7	116.5#
131	77.5	77.2	115.8



#72

1,4-Dichlorobenzene-d4

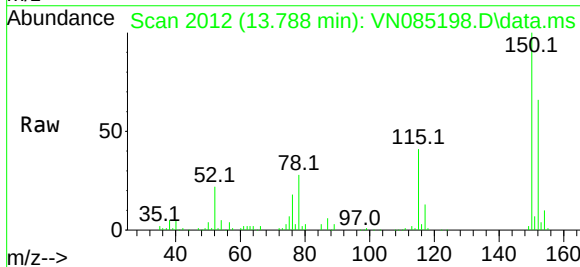
Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

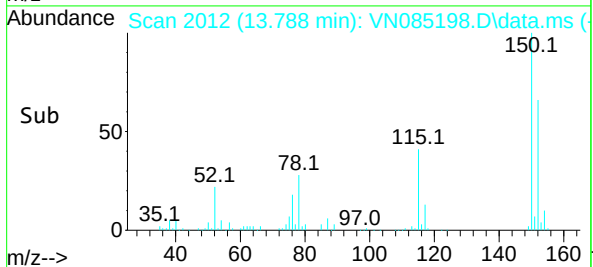
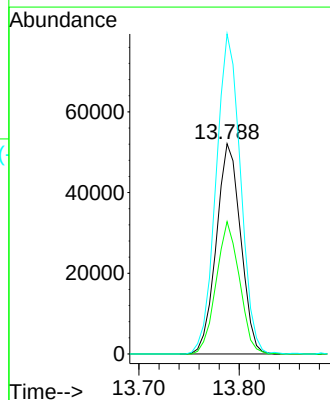
Delta R.T. -0.000 min

Lab File: VN085198.D

Acq: 13 Dec 2024 15:52



Tgt Ion:	152	Resp:	87781
Ion	Ratio	Lower	Upper
152	100		
115	60.2	31.7	95.1
150	153.2	0.0	351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085198.D
Acq On : 13 Dec 2024 15:52
Operator : JC\MD
Sample : P5270-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW9-20241212

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: VN085198.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.959	1012	1021	1034	rBV2	69023	173769	22.16%	4.081%
2	8.165	1046	1056	1060	rBV	120208	282994	36.08%	6.646%
3	8.224	1060	1066	1075	rVB	199371	446689	56.96%	10.491%
4	8.576	1116	1126	1138	rBV	126073	284862	36.32%	6.690%
5	9.100	1206	1215	1225	rBV	297025	589371	75.15%	13.842%
6	10.565	1456	1464	1475	rBV	427678	784247	100.00%	18.419%
7	11.100	1549	1555	1562	rBV4	6459	11569	1.48%	0.272%
8	11.864	1676	1685	1697	rVB	375168	672094	85.70%	15.785%
9	12.847	1845	1852	1862	rVB	297536	481644	61.41%	11.312%
10	13.788	2005	2012	2022	rVB	317705	530612	67.66%	12.462%

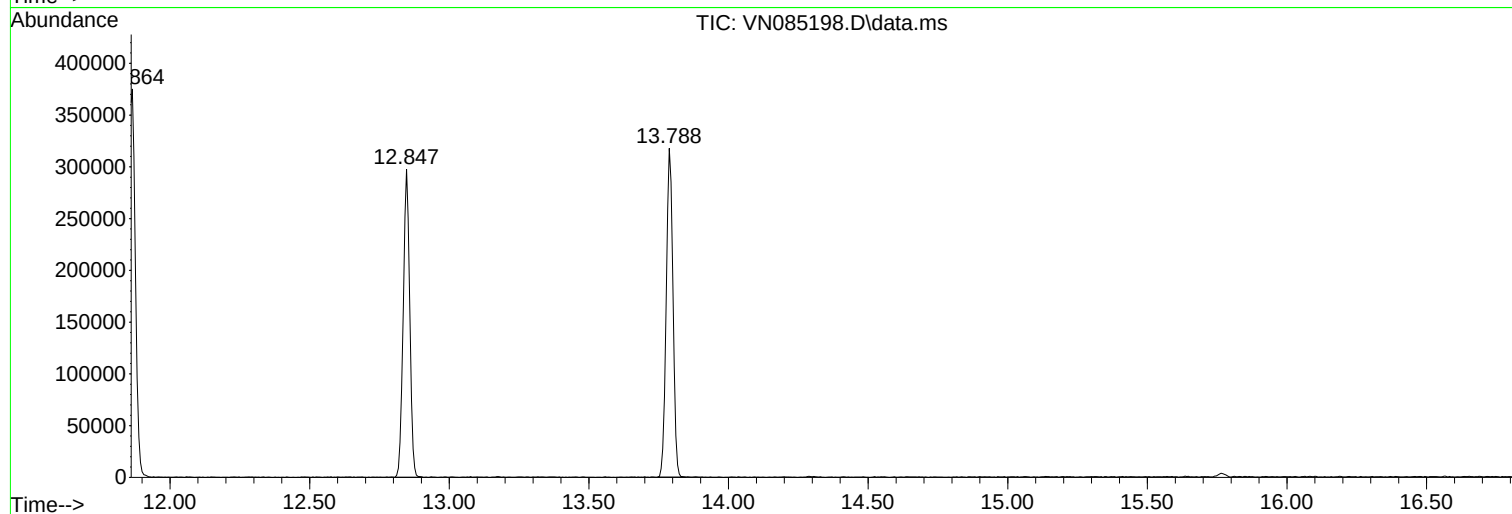
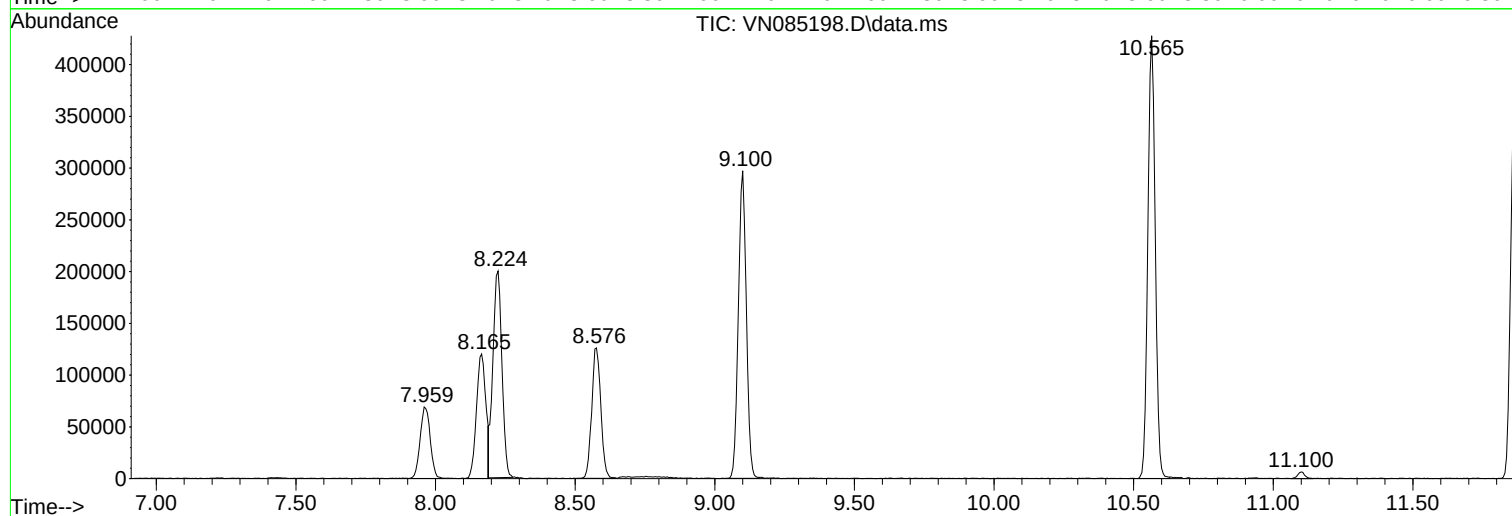
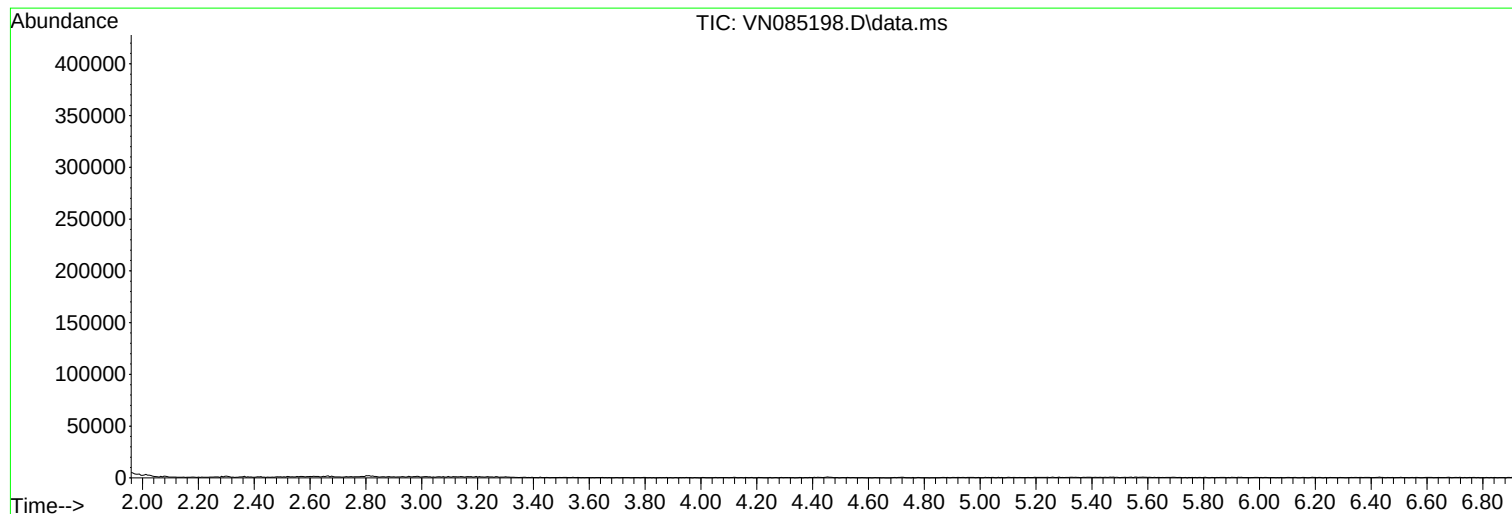
Sum of corrected areas: 4257851

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085198.D
Acq On : 13 Dec 2024 15:52
Operator : JC\MD
Sample : P5270-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW9-20241212

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\VN121324\
Data File : VN085198.D
Acq On : 13 Dec 2024 15:52
Operator : JC\MD
Sample : P5270-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW9-20241212

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\VN121324\
Data File : VN085198.D
Acq On : 13 Dec 2024 15:52
Operator : JC\MD
Sample : P5270-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW9-20241212

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:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/13/24
Client Sample ID:	MW13D-20241212	SDG No.:	P5270
Lab Sample ID:	P5270-06	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
VN085199.D	1		12/13/24 16:16	VN121324

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	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	5.90		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	1.00		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	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:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/13/24
Client Sample ID:	MW13D-20241212	SDG No.:	P5270
Lab Sample ID:	P5270-06	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
VN085199.D	1		12/13/24 16:16	VN121324

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/13/24
Client Sample ID:	MW13D-20241212			SDG No.:	P5270
Lab Sample ID:	P5270-06			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
VN085199.D	1		12/13/24 16:16	VN121324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
563-58-6	1,1-Dichloropropene	5.30	J		8.22	ug/L
108-21-4	Isopropyl Acetate	0.30	J		8.69	ug/L
96-18-4	1,2,3-Trichloropropane	31.9	J		12.8	ug/L
110-57-6	trans-1,4-Dichloro-2-butene	70.4	J		12.8	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\VN121324\
 Data File : VN085199.D
 Acq On : 13 Dec 2024 16:16
 Operator : JC\MD
 Sample : P5270-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW13D-20241212

Quant Time: Dec 13 23:36:14 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)

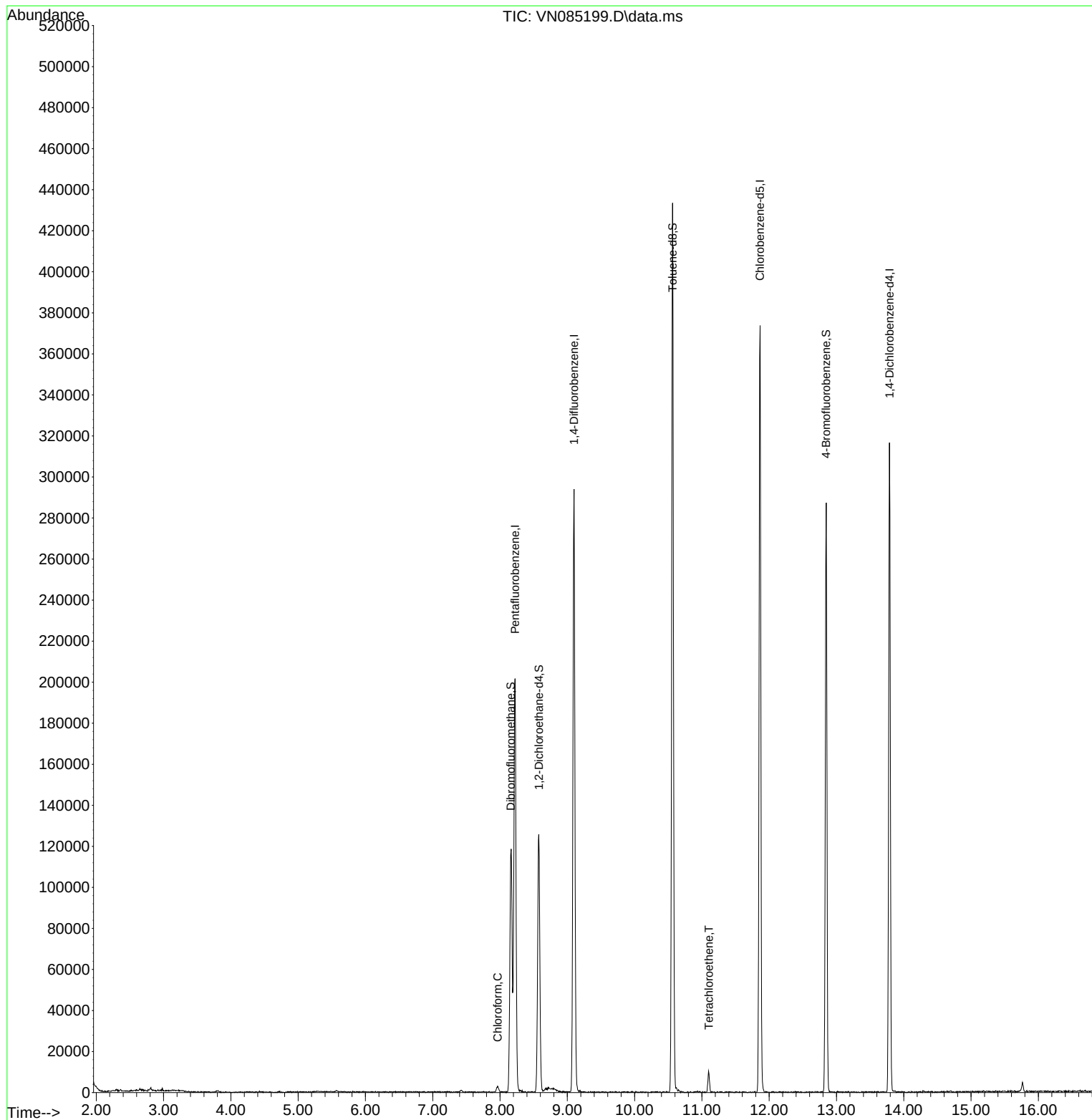
Internal Standards						
1) Pentafluorobenzene	8.224	168	143120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	248974	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	219158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	88281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	107290	52.628	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.260%
35) Dibromofluoromethane	8.159	113	86004	51.223	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.440%
50) Toluene-d8	10.565	98	296646	49.300	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.600%
62) 4-Bromofluorobenzene	12.847	95	99076	44.030	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.060%
Target Compounds						Qvalue
30) Chloroform	7.965	83	3270	0.997	ug/l	87
64) Tetrachloroethene	11.106	164	2535	1.717	ug/l #	75

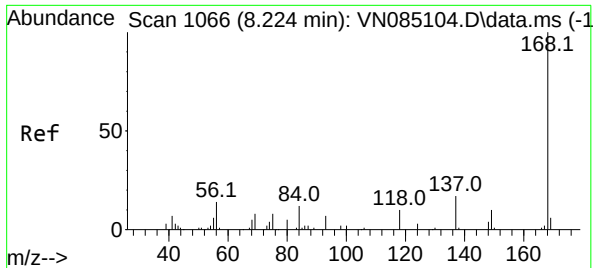
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085199.D
Acq On : 13 Dec 2024 16:16
Operator : JC\MD
Sample : P5270-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW13D-20241212

Quant Time: Dec 13 23:36:14 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

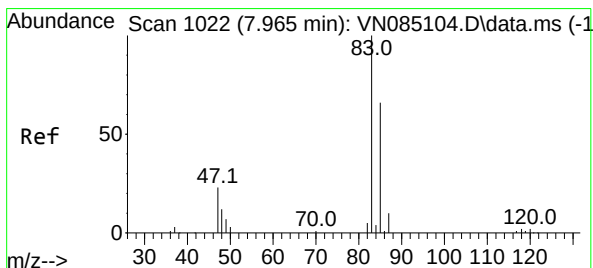
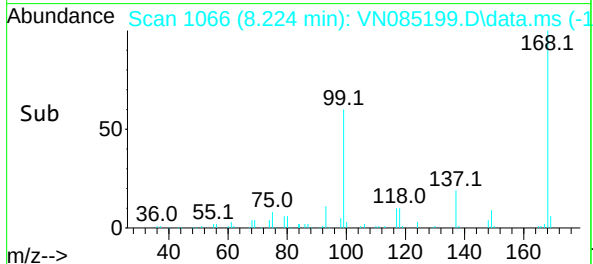
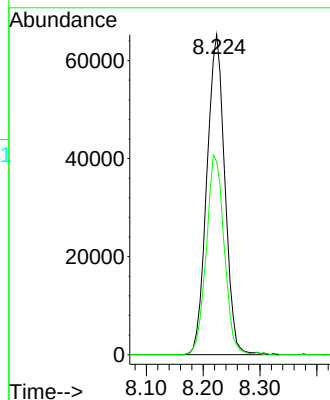
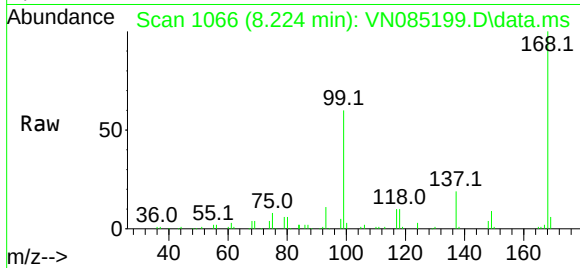




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085199.D
Acq: 13 Dec 2024 16:16

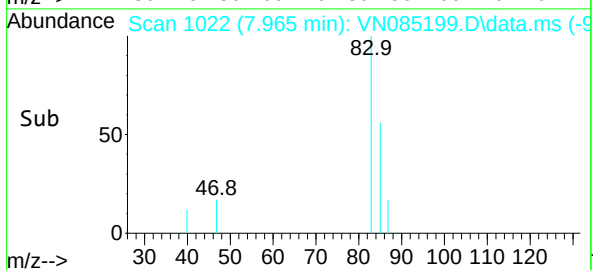
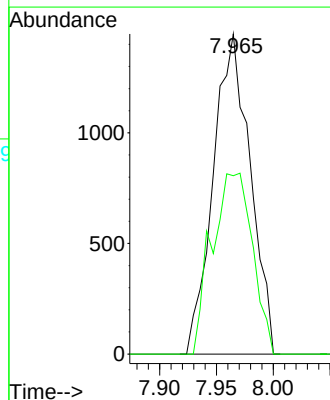
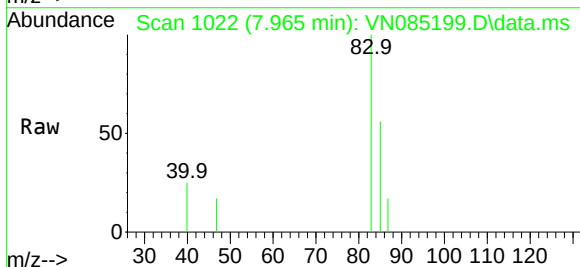
Instrument :
MSVOA_N
ClientSampleId :
MW13D-20241212

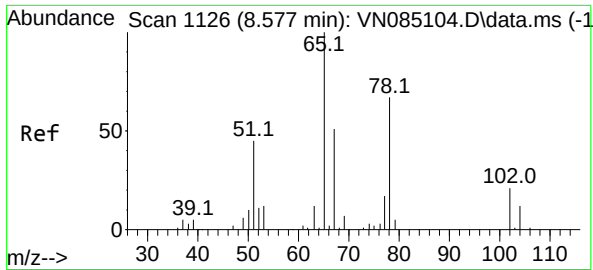
Tgt Ion:168 Resp: 143120
Ion Ratio Lower Upper
168 100
99 60.3 51.2 76.8



#30
Chloroform
Concen: 0.997 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085199.D
Acq: 13 Dec 2024 16:16

Tgt Ion: 83 Resp: 3270
Ion Ratio Lower Upper
83 100
85 55.7 52.6 78.8





#33

1,2-Dichloroethane-d4

Concen: 52.628 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085199.D

Acq: 13 Dec 2024 16:16

Instrument :

MSVOA_N

ClientSampleId :

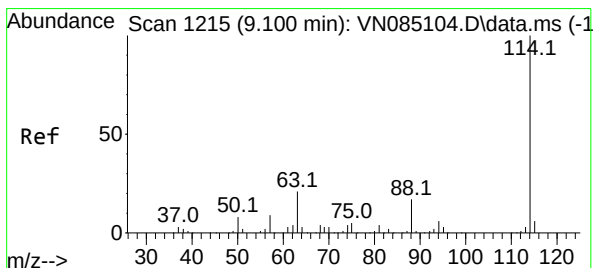
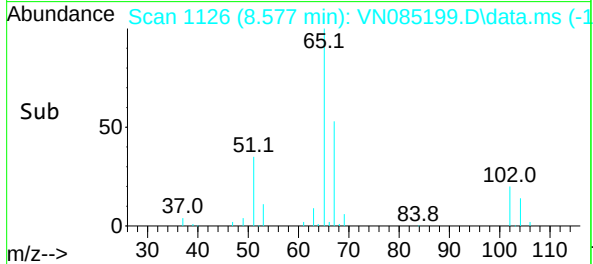
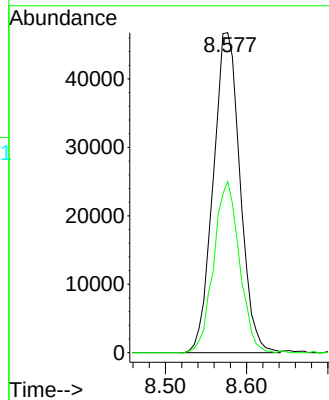
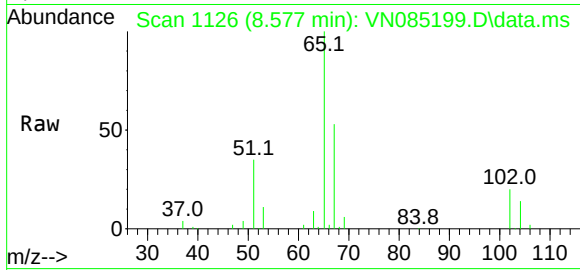
MW13D-20241212

Tgt Ion: 65 Resp: 107290

Ion Ratio Lower Upper

65 100

67 51.4 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: VN085199.D

Acq: 13 Dec 2024 16:16

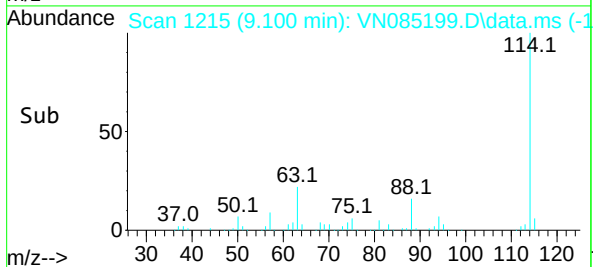
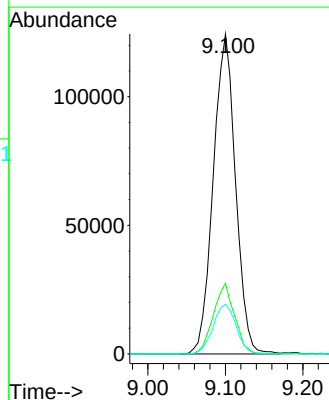
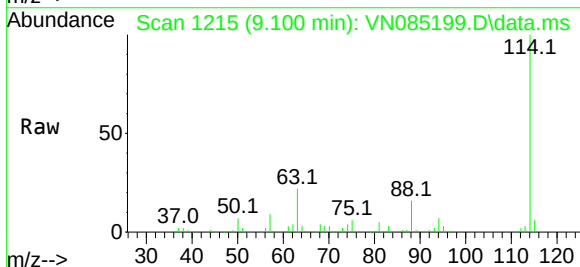
Tgt Ion: 114 Resp: 248974

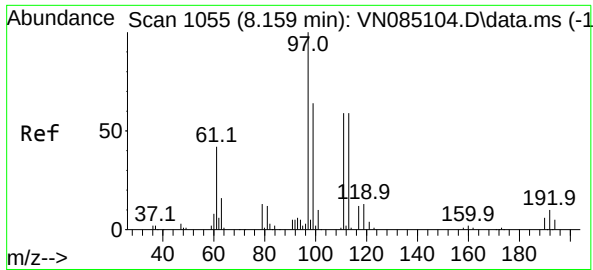
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.0

88 15.5 0.0 34.8





#35

Dibromofluoromethane

Concen: 51.223 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085199.D

Acq: 13 Dec 2024 16:16

Instrument :

MSVOA_N

ClientSampleId :

MW13D-20241212

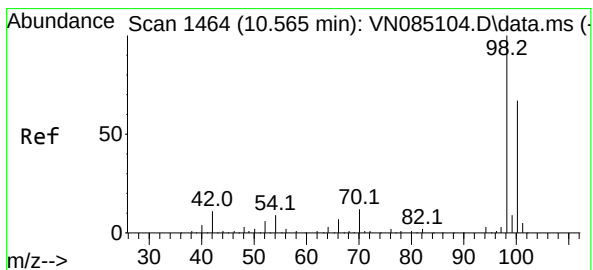
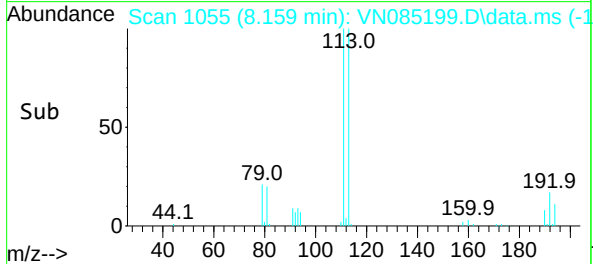
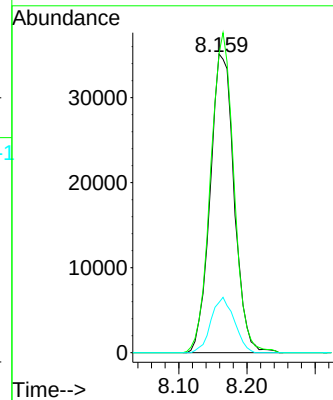
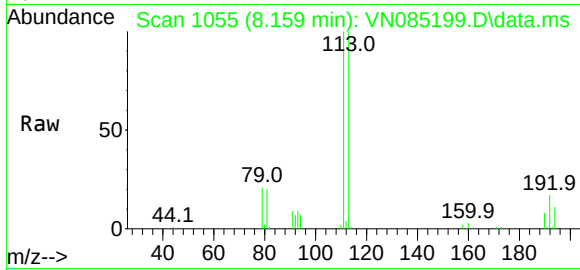
Tgt Ion:113 Resp: 86004

Ion Ratio Lower Upper

113 100

111 104.4 82.0 123.0

192 18.0 14.8 22.2



#50

Toluene-d8

Concen: 49.300 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085199.D

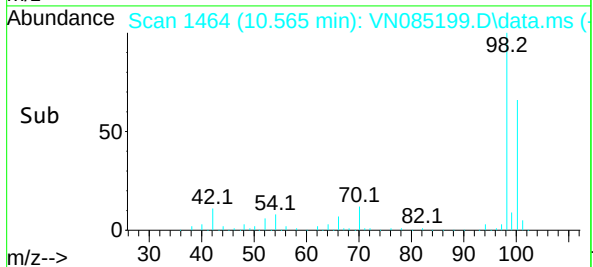
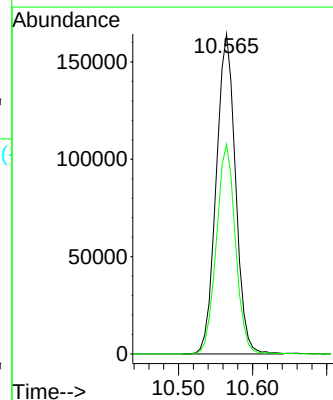
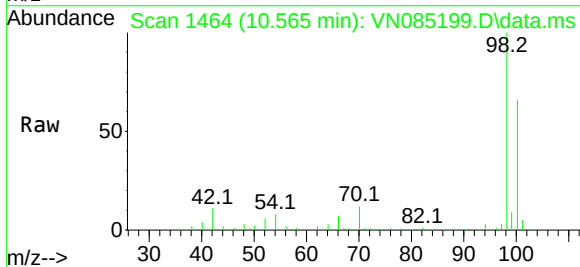
Acq: 13 Dec 2024 16:16

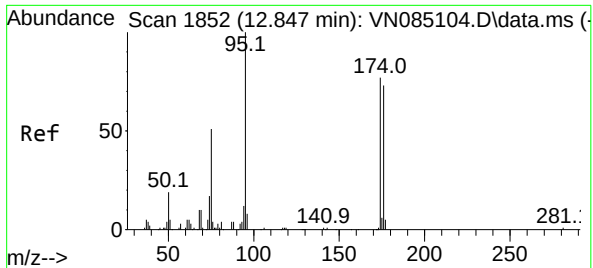
Tgt Ion: 98 Resp: 296646

Ion Ratio Lower Upper

98 100

100 64.7 52.5 78.7

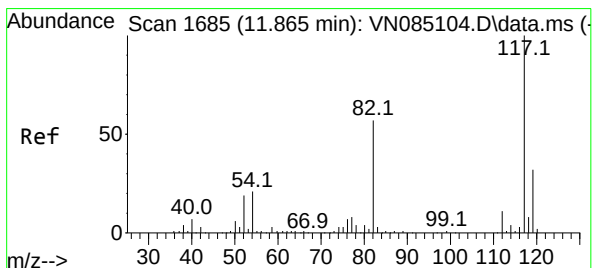
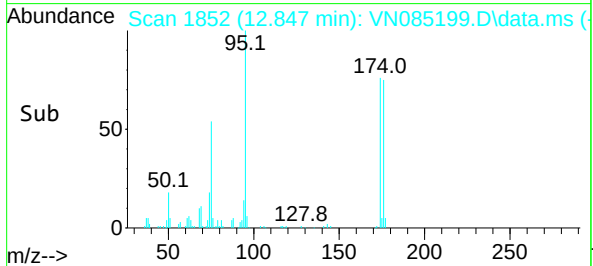
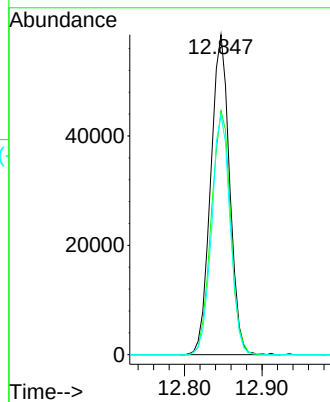
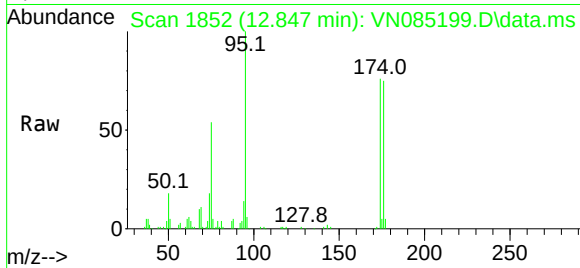




#62
4-Bromofluorobenzene
Concen: 44.030 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085199.D
Acq: 13 Dec 2024 16:16

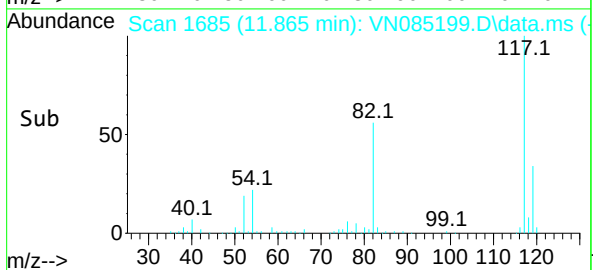
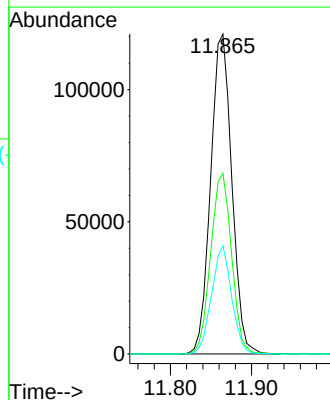
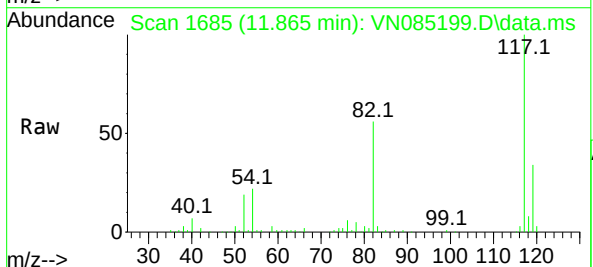
Instrument :
MSVOA_N
ClientSampleId :
MW13D-20241212

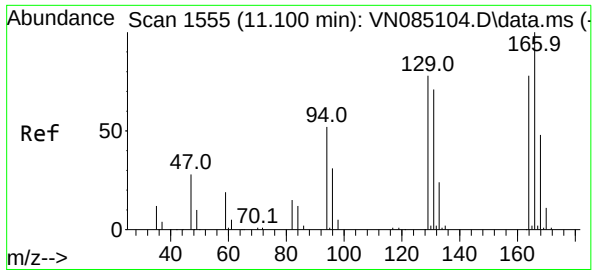
Tgt Ion: 95	Resp:	99076
Ion Ratio	Lower	Upper
95	100	
174	77.7	0.0 146.6
176	73.7	0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085199.D
Acq: 13 Dec 2024 16:16

Tgt Ion: 117	Resp:	219158
Ion Ratio	Lower	Upper
117	100	
82	56.4	46.0 69.0
119	33.9	25.6 38.4

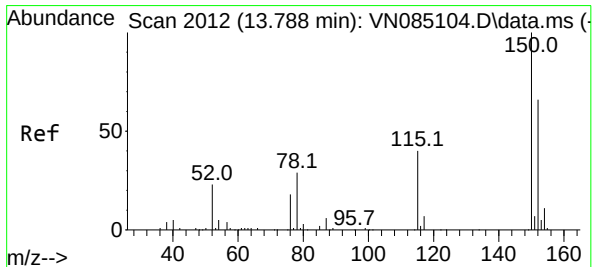
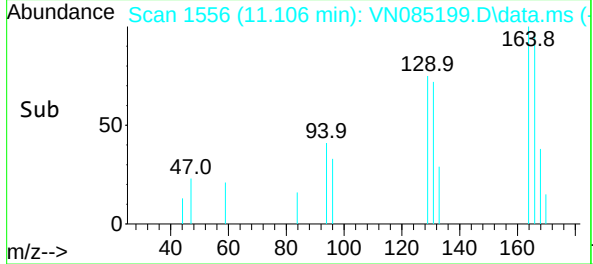
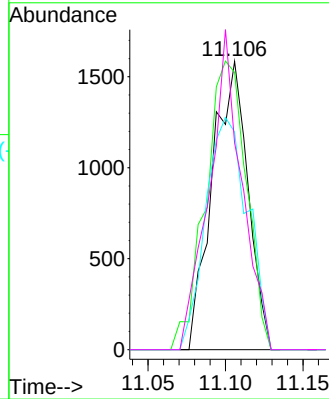
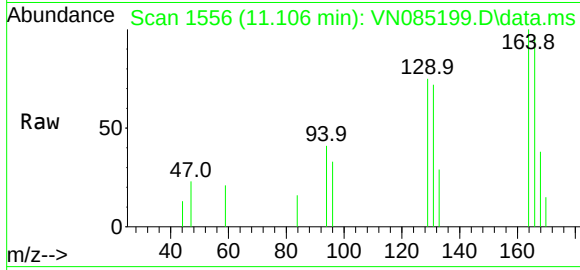




#64
Tetrachloroethene
Concen: 1.717 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085199.D
Acq: 13 Dec 2024 16:16

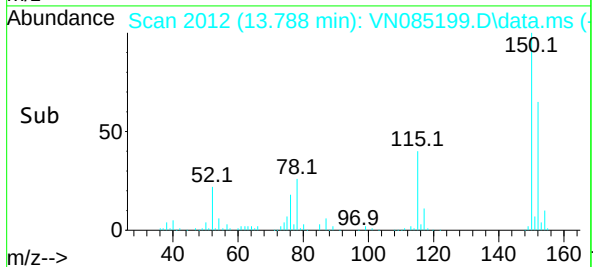
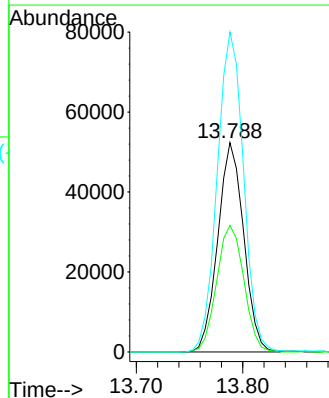
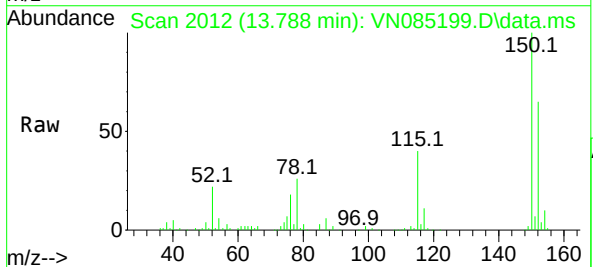
Instrument :
MSVOA_N
ClientSampleId :
MW13D-20241212

Tgt Ion:164 Resp: 2535
Ion Ratio Lower Upper
164 100
166 96.2 100.6 151.0#
129 75.5 77.7 116.5#
131 71.7 77.2 115.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085199.D
Acq: 13 Dec 2024 16:16

Tgt Ion:152 Resp: 88281
Ion Ratio Lower Upper
152 100
115 63.3 31.7 95.1
150 155.3 0.0 351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085199.D
Acq On : 13 Dec 2024 16:16
Operator : JC\MD
Sample : P5270-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW13D-20241212

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: VN085199.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	118575	280794	35.96%	6.855%
2	8.224	1060	1066	1077	rVB	201213	449785	57.60%	10.980%
3	8.577	1117	1126	1136	rBV	125598	286957	36.75%	7.005%
4	9.100	1206	1215	1227	rVB	293625	587696	75.26%	14.347%
5	10.565	1456	1464	1472	rBV	433380	780886	100.00%	19.063%
6	11.100	1548	1555	1561	rBB2	10464	17546	2.25%	0.428%
7	11.865	1677	1685	1697	rBV	373634	670063	85.81%	16.357%
8	12.847	1844	1852	1860	rBV	287446	481997	61.72%	11.766%
9	13.788	2004	2012	2021	rBV	316546	540655	69.24%	13.198%

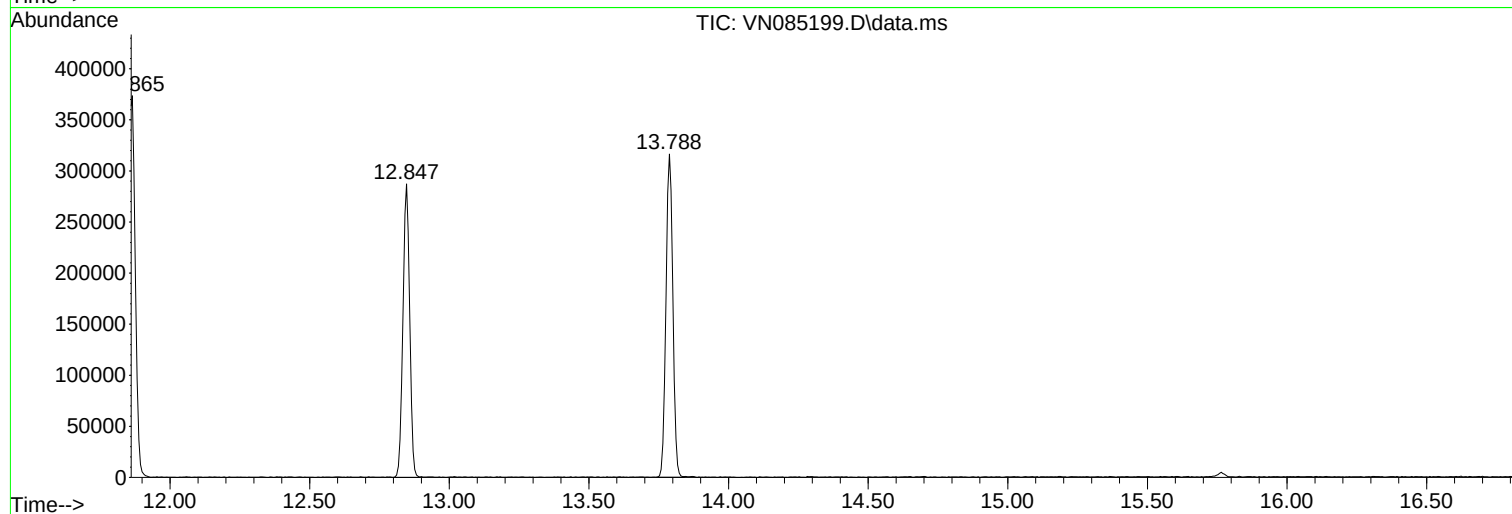
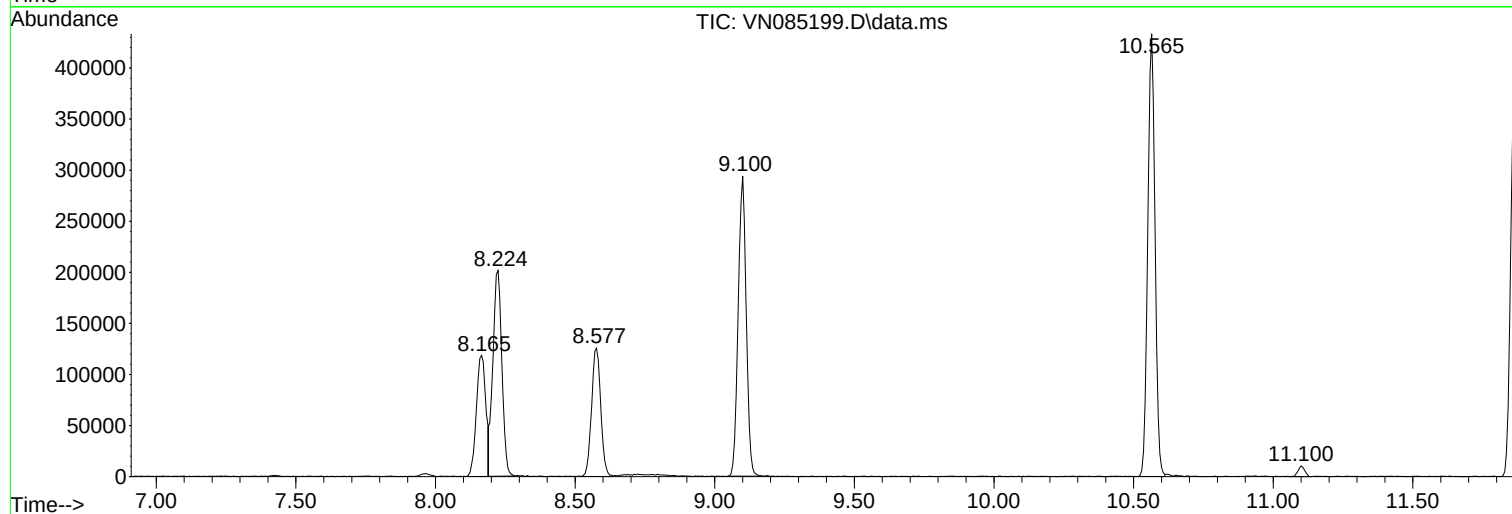
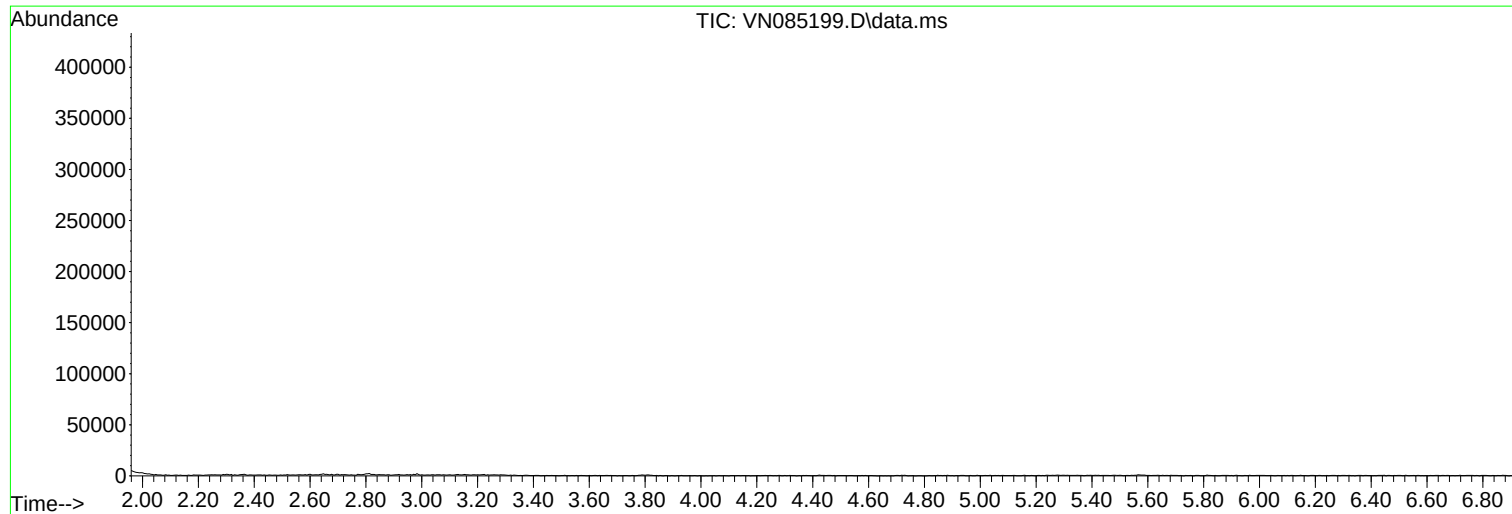
Sum of corrected areas: 4096379

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085199.D
Acq On : 13 Dec 2024 16:16
Operator : JC\MD
Sample : P5270-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW13D-20241212

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\VN121324\
Data File : VN085199.D
Acq On : 13 Dec 2024 16:16
Operator : JC\MD
Sample : P5270-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW13D-20241212

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\VN121324\
Data File : VN085199.D
Acq On : 13 Dec 2024 16:16
Operator : JC\MD
Sample : P5270-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW13D-20241212

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:	12/12/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24	
Client Sample ID:	MW12-20241212		SDG No.:	P5270	
Lab Sample ID:	P5270-07		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
VN085200.D	1		12/13/24 16:39	VN121324

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	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	28.9		0.19	1.00	ug/L
71-43-2	Benzene	4.60		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	0.56	J	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	2.40		0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/13/24
Client Sample ID:	MW12-20241212			SDG No.:	P5270
Lab Sample ID:	P5270-07			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
VN085200.D	1		12/13/24 16:39	VN121324

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/13/24
Client Sample ID:	MW12-20241212	SDG No.:	P5270
Lab Sample ID:	P5270-07	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
VN085200.D	1		12/13/24 16:39	VN121324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	58.9	J		2.32	ug/L
103-65-1	n-propylbenzene	110	J		13.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	40.5	J		13.2	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	37.2	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	350	J		13.5	ug/L
135-98-8	sec-Butylbenzene	4.70	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	9.60	J		13.7	ug/L
000496-11-7	Indane	140	J		14.0	ug/L
104-51-8	n-Butylbenzene	11.1	J		14.1	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	66.9	J		14.4	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	41.3	J		14.9	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	52.0	J		15.0	ug/L
065051-83-4	Benzene, (1-methyl-2-cyclopropen-1	32.0	J		15.1	ug/L
002177-47-1	2-Methylindene	87.2	J		15.2	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\VN121324\
 Data File : VN085200.D
 Acq On : 13 Dec 2024 16:39
 Operator : JC\MD
 Sample : P5270-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW12-20241212

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024
 Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 16 03:55:04 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)

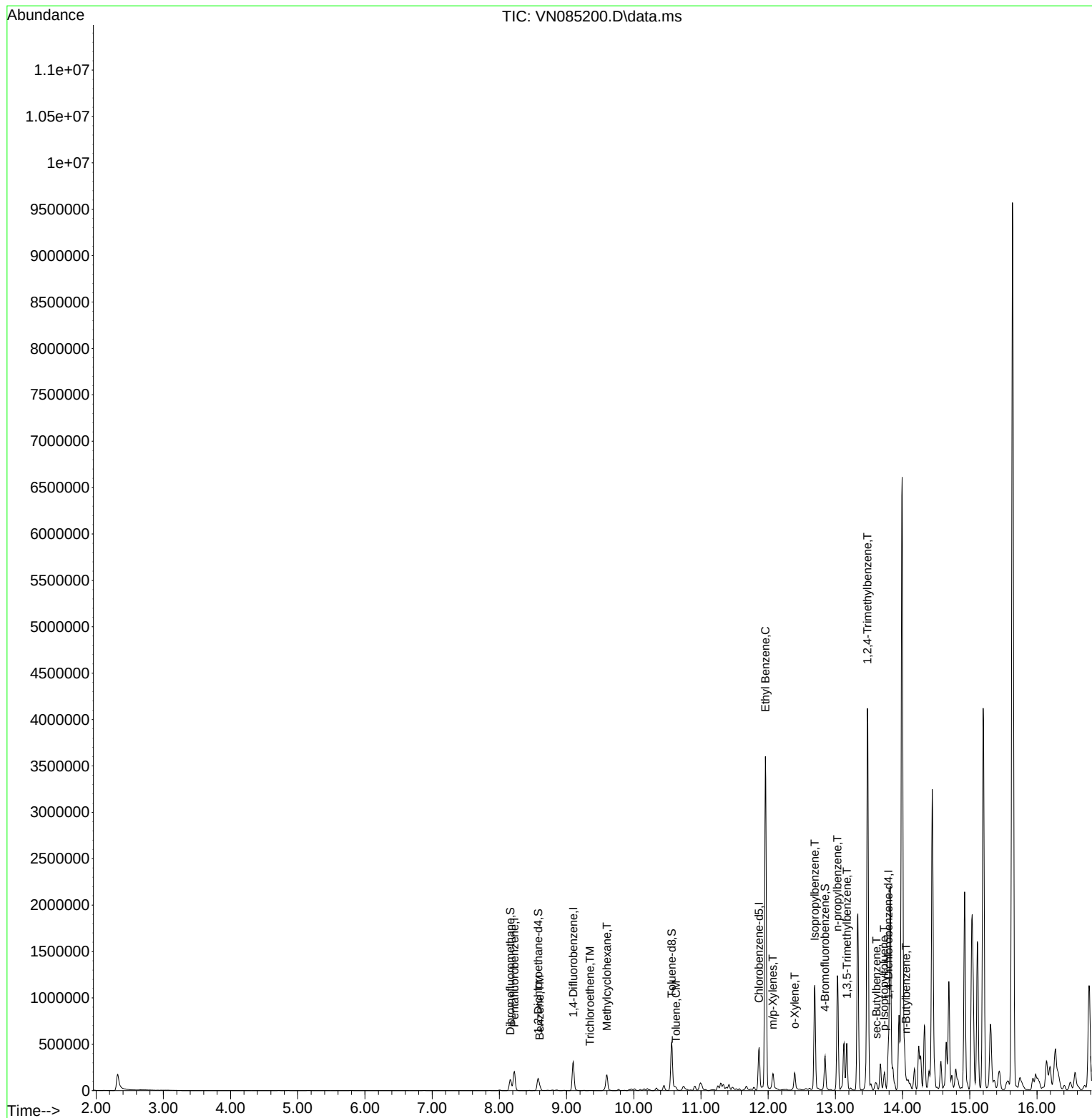
Internal Standards						
1) Pentafluorobenzene	8.224	168	145239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	256201	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	240334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113617	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104923	50.716	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.440%			
35) Dibromofluoromethane	8.165	113	86369	49.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.980%			
50) Toluene-d8	10.565	98	322297	52.052	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.100%			
62) 4-Bromofluorobenzene	12.847	95	126534	54.646	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.300%			
Target Compounds					Qvalue	
39) Methylcyclohexane	9.600	83	70230	28.880	ug/l	95
40) Benzene	8.600	78	33750	4.560	ug/l	96
44) Trichloroethene	9.347	130	972	0.565	ug/l	64
52) Toluene	10.629	92	10557	2.409	ug/l	96
67) Ethyl Benzene	11.959	91	2639927	298.541	ug/l	99
68) m/p-Xylenes	12.071	106	55485	16.481	ug/l	98
69) o-Xylene	12.394	106	50027	15.621	ug/l	100
73) Isopropylbenzene	12.694	105	763403	95.243	ug/l	99
78) n-propylbenzene	13.029	91	1008573	109.095	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	272248	40.478	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	2410532	348.177	ug/l	100
85) sec-Butylbenzene	13.612	105	36766m	4.703	ug/l	
86) p-Isopropyltoluene	13.723	119	61989m	9.606	ug/l	
89) n-Butylbenzene	14.053	91	66559m	11.091	ug/l	

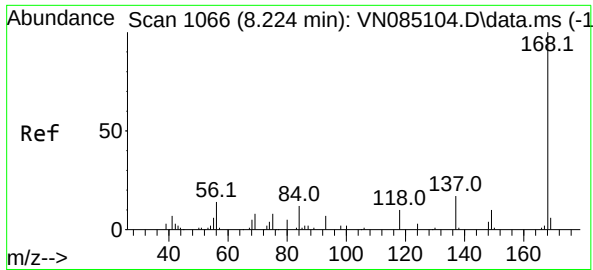
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

Manual Integrations

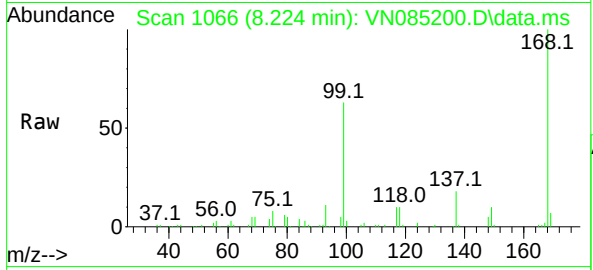
Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

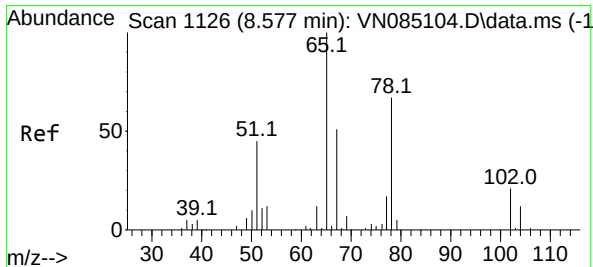
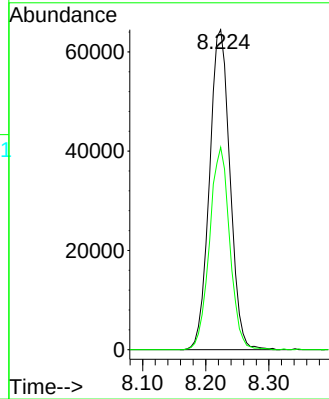
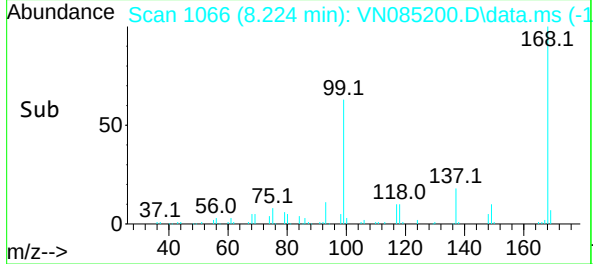
Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212



Tgt Ion:168 Resp: 145239
Ion Ratio Lower Upper
168 100
99 63.2 51.2 76.8

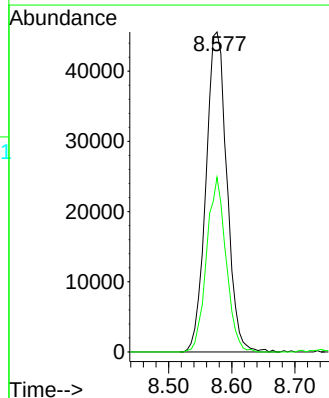
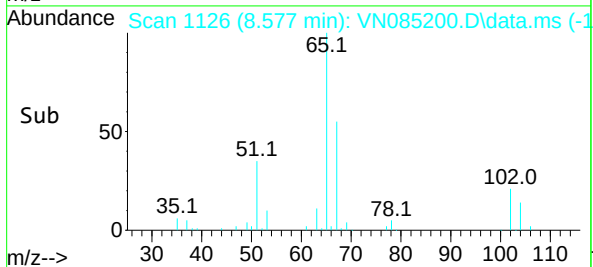
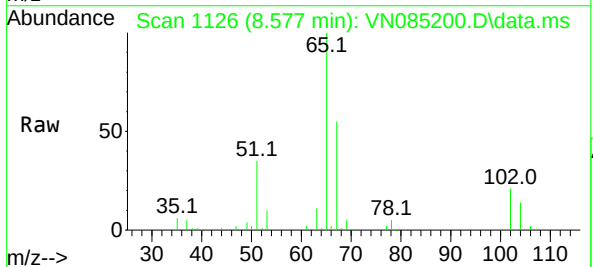
Manual Integrations
APPROVED

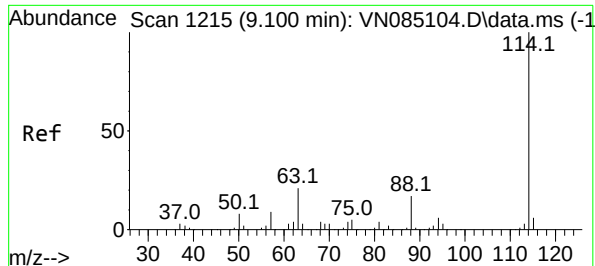
Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024



#33
1,2-Dichloroethane-d4
Concen: 50.716 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

Tgt Ion: 65 Resp: 104923
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# 11

Delta R.T. 0.006 min

Lab File: VN085200.D

Acq: 13 Dec 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212

Tgt Ion:114 Resp: 25620

Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.0

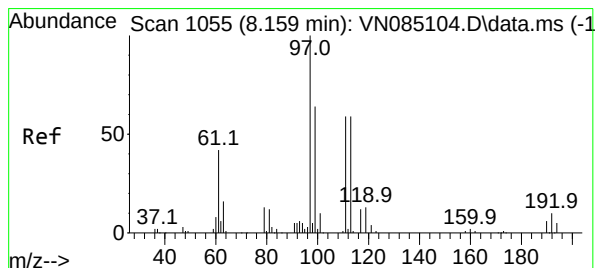
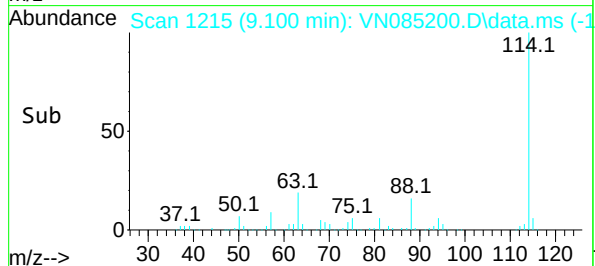
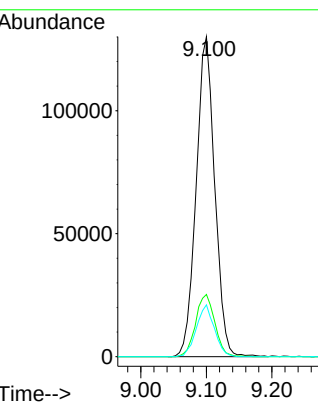
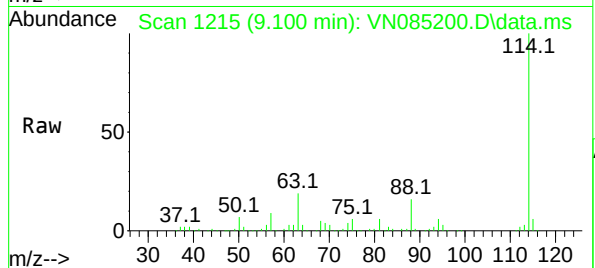
88 16.2 0.0 34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024

Supervised By :Mahesh Dadoda 12/16/2024



#35

Dibromofluoromethane

Concen: 49.990 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085200.D

Acq: 13 Dec 2024 16:39

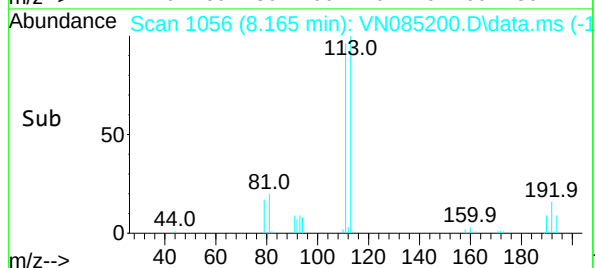
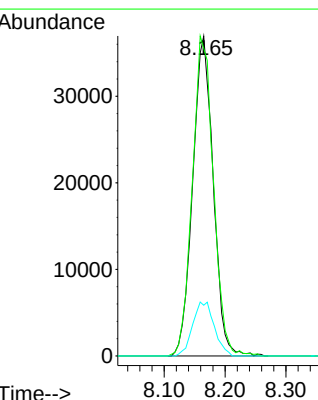
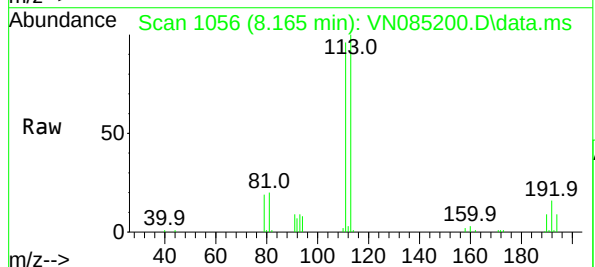
Tgt Ion:113 Resp: 86369

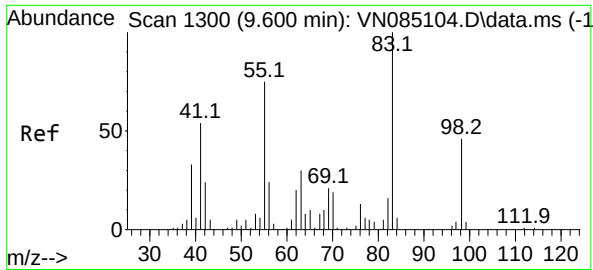
Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

192 17.8 14.8 22.2





#39

Methylcyclohexane

Concen: 28.880 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN085200.D

Acq: 13 Dec 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212

Tgt Ion: 83 Resp: 70230

Ion Ratio Lower Upper

83 100

55 80.7 61.8 92.6

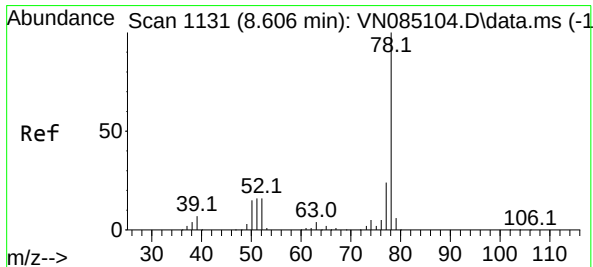
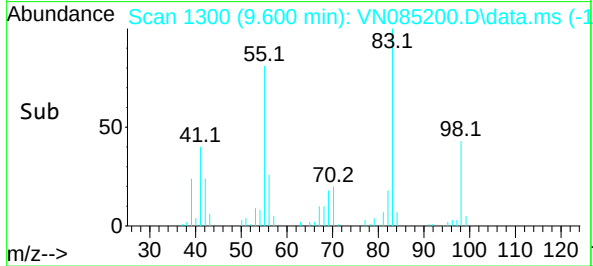
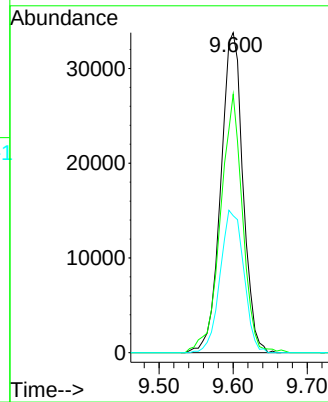
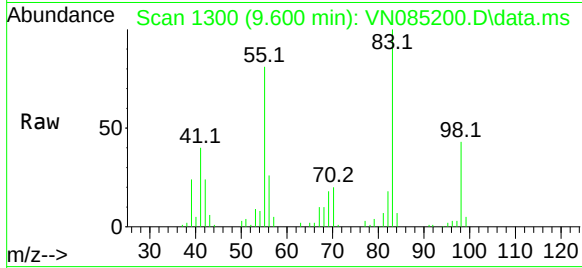
98 42.8 37.0 55.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024

Supervised By :Mahesh Dadoda 12/16/2024



#40

Benzene

Concen: 4.560 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN085200.D

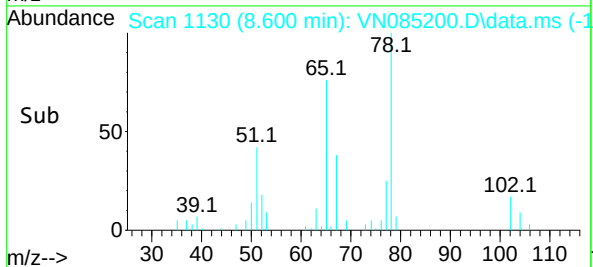
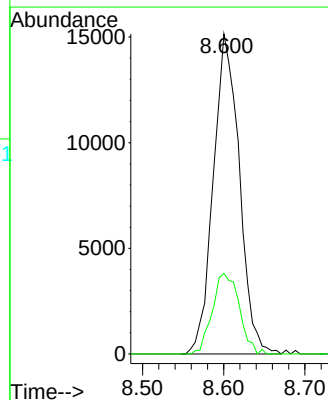
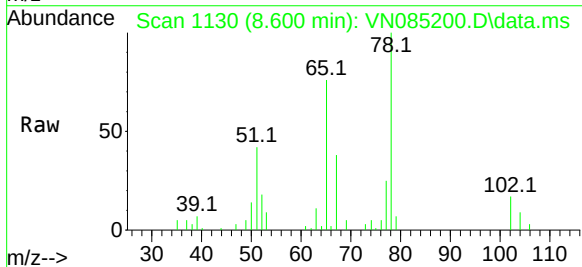
Acq: 13 Dec 2024 16:39

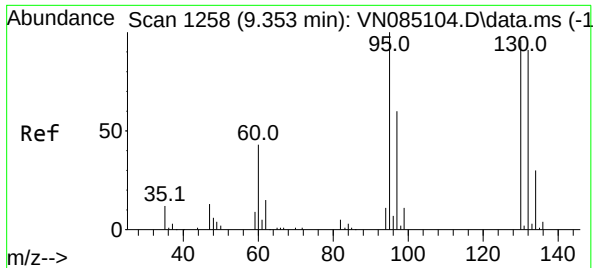
Tgt Ion: 78 Resp: 33750

Ion Ratio Lower Upper

78 100

77 25.2 18.5 27.7





#44

Trichloroethene

Concen: 0.565 ug/l

RT: 9.347 min Scan# 1258

Delta R.T. -0.000 min

Lab File: VN085200.D

Acq: 13 Dec 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212

Tgt Ion:130 Resp: 972

Ion Ratio Lower Upper

130 100

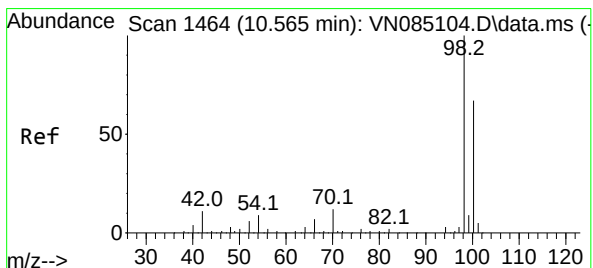
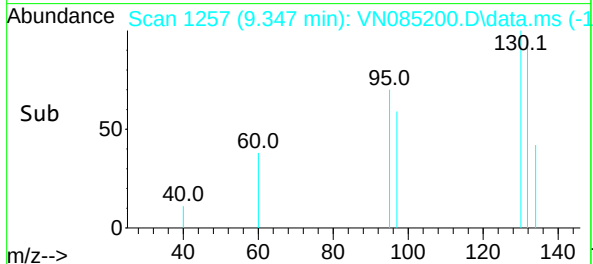
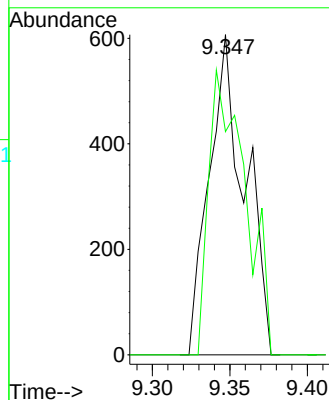
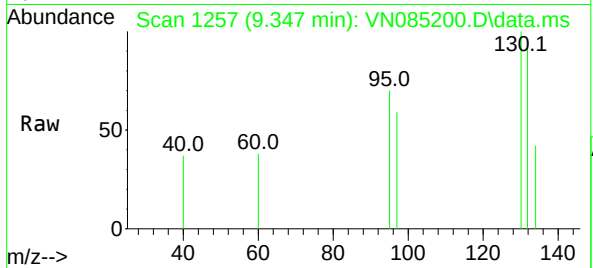
95 69.7 0.0 213.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024

Supervised By :Mahesh Dadoda 12/16/2024



#50

Toluene-d8

Concen: 52.052 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085200.D

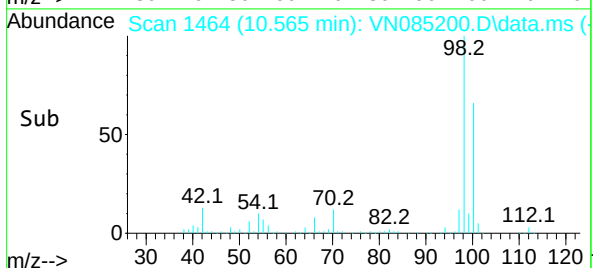
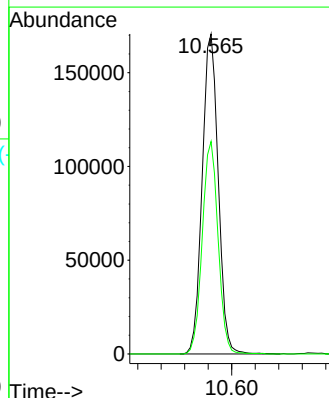
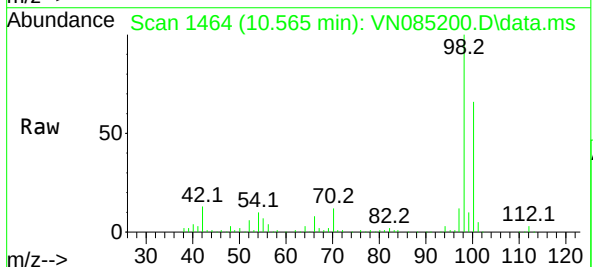
Acq: 13 Dec 2024 16:39

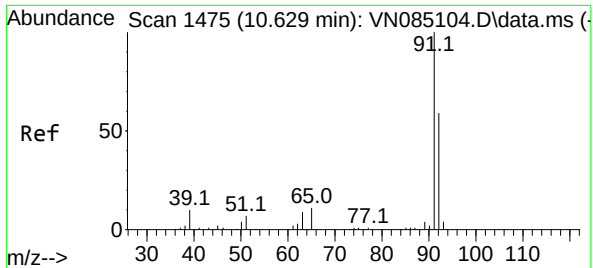
Tgt Ion: 98 Resp: 322297

Ion Ratio Lower Upper

98 100

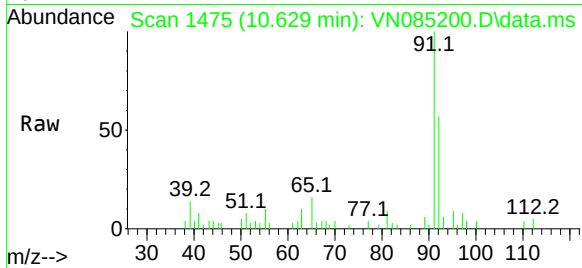
100 65.5 52.5 78.7





#52
Toluene
Concen: 2.409 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

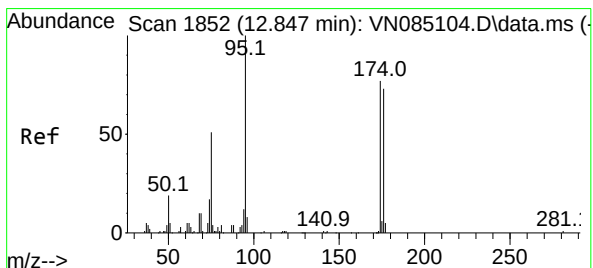
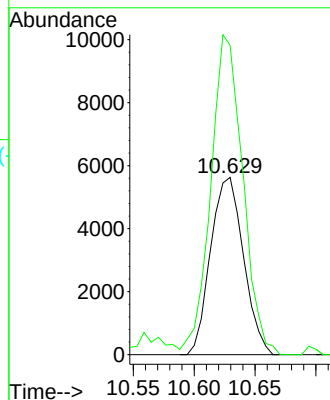
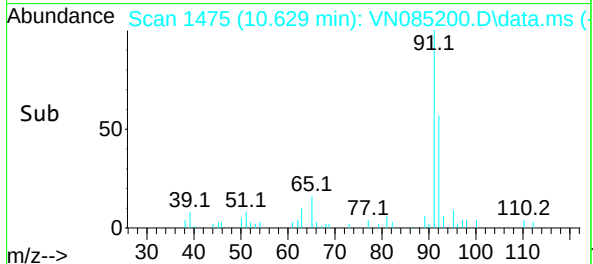
Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212



Tgt Ion: 92 Resp: 1055
Ion Ratio Lower Upper
92 100
91 175.8 136.7 205.1

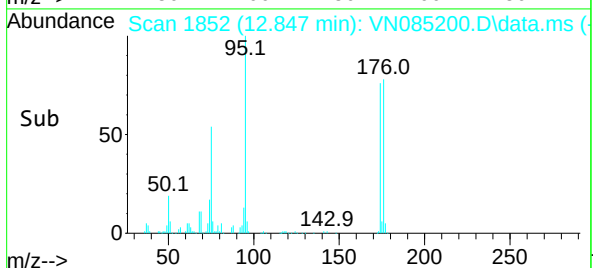
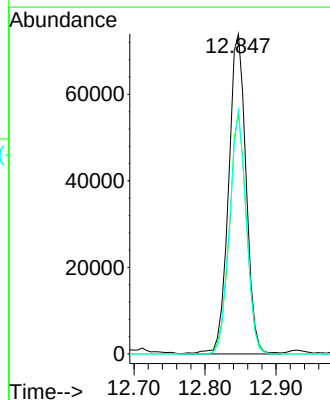
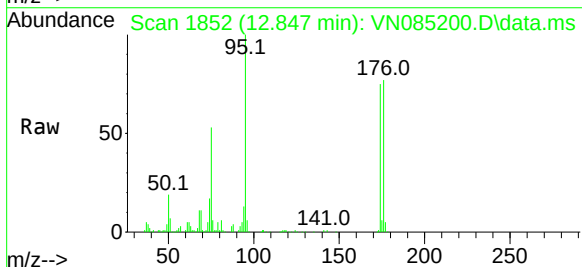
Manual Integrations
APPROVED

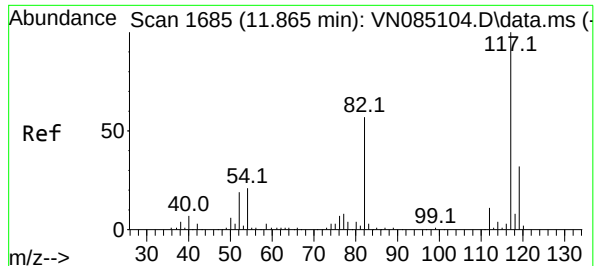
Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024



#62
4-Bromofluorobenzene
Concen: 54.646 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

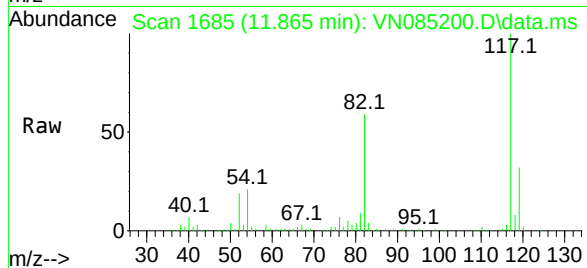
Tgt Ion: 95 Resp: 126534
Ion Ratio Lower Upper
95 100
174 73.0 0.0 146.6
176 72.5 0.0 141.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

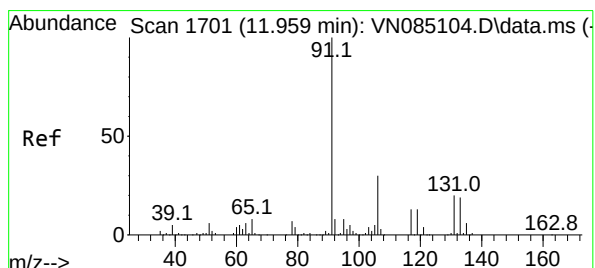
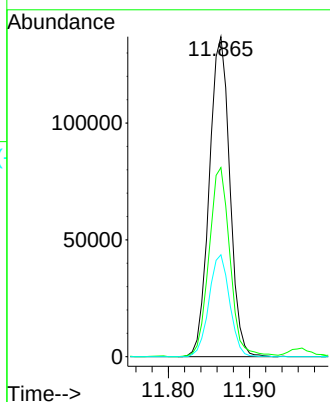
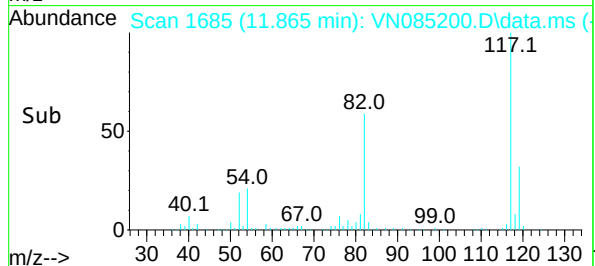
Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212



Tgt Ion: 117 Resp: 240334
Ion Ratio Lower Upper
117 100
82 59.1 46.0 69.0
119 31.8 25.6 38.4

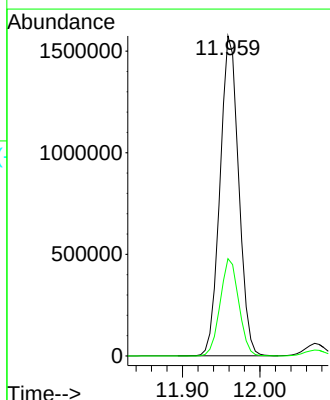
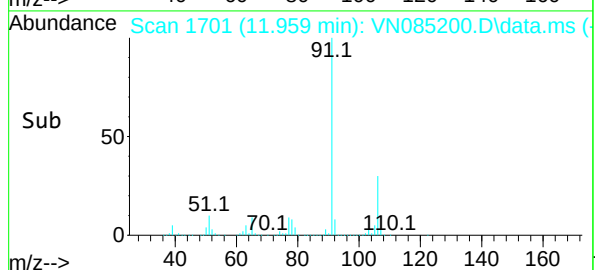
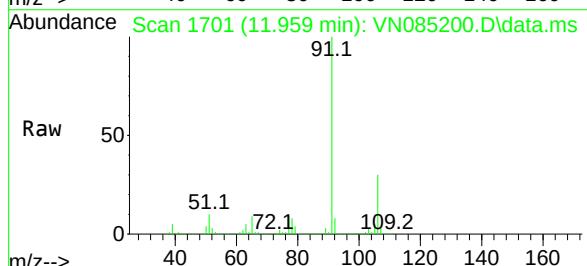
Manual Integrations
APPROVED

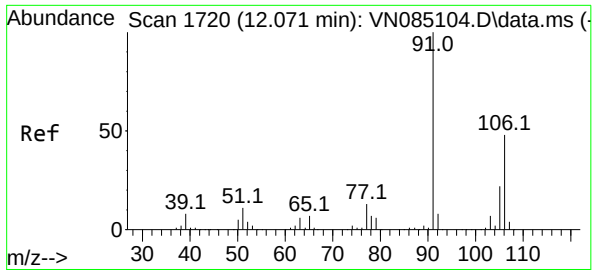
Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024



#67
Ethyl Benzene
Concen: 298.541 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

Tgt Ion: 91 Resp: 2639927
Ion Ratio Lower Upper
91 100
106 30.4 24.7 37.1





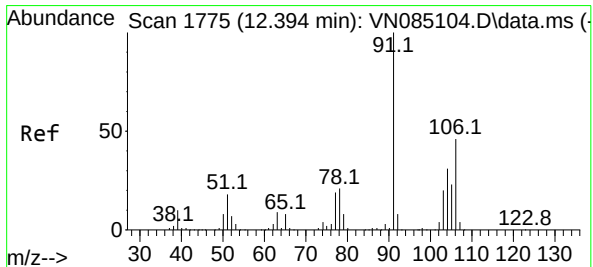
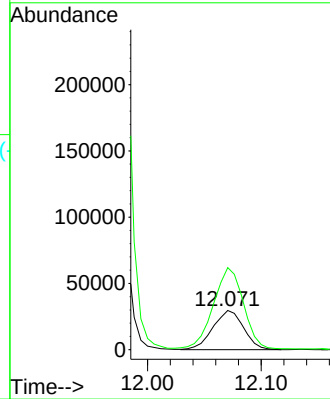
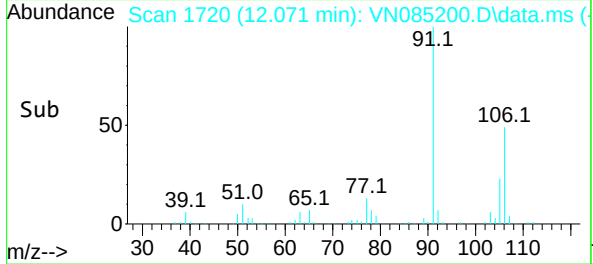
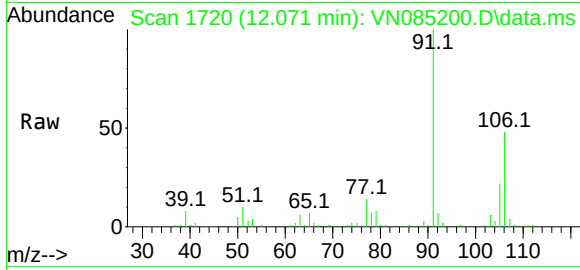
#68
m/p-Xylenes
Concen: 16.481 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

Tgt Ion:106 Resp: 55489
Ion Ratio Lower Upper
106 100
91 206.2 168.0 252.0

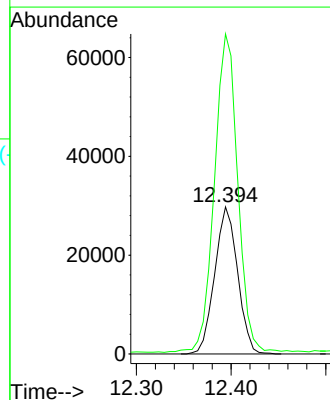
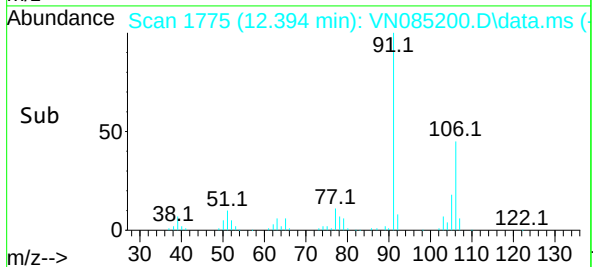
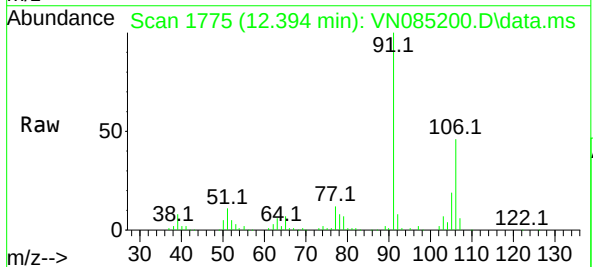
Manual Integrations
APPROVED

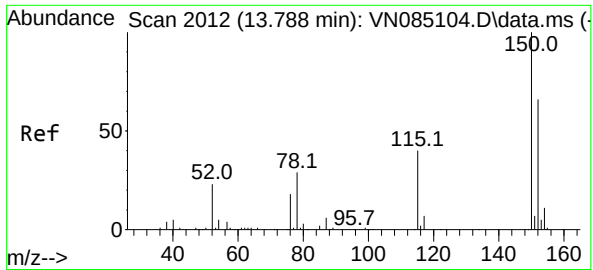
Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024



#69
o-Xylene
Concen: 15.621 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

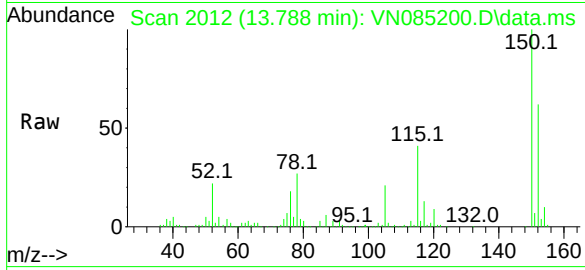
Tgt Ion:106 Resp: 50027
Ion Ratio Lower Upper
106 100
91 220.7 110.7 331.9





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

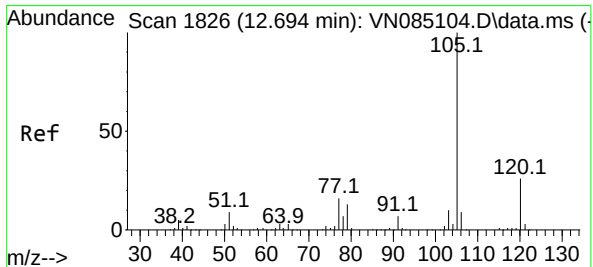
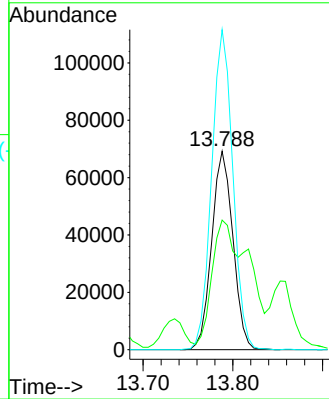
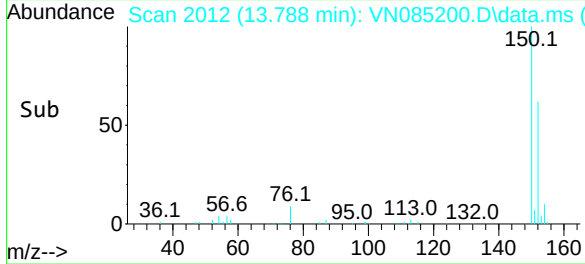
Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212



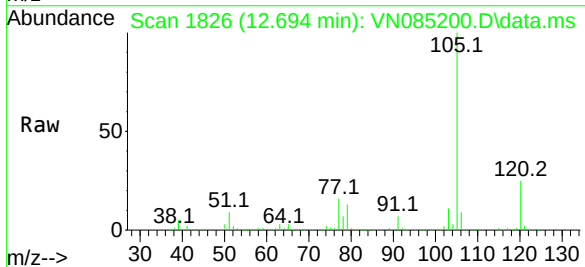
Tgt Ion:152 Resp: 113617
Ion Ratio Lower Upper
152 100
115 105.3 31.7 95.1
150 160.8 0.0 351.4

Manual Integrations
APPROVED

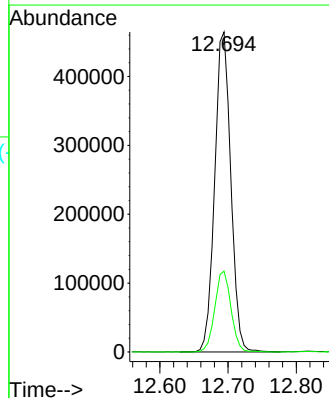
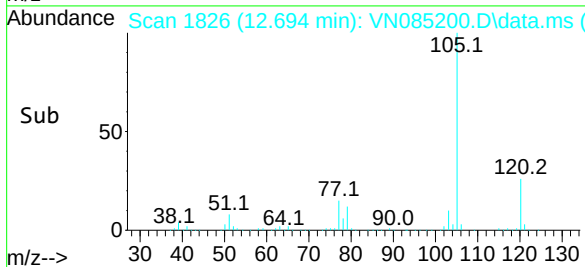
Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024

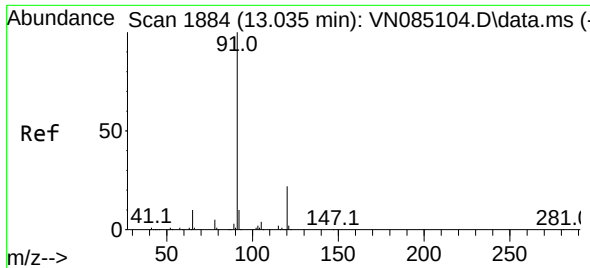


#73
Isopropylbenzene
Concen: 95.243 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39



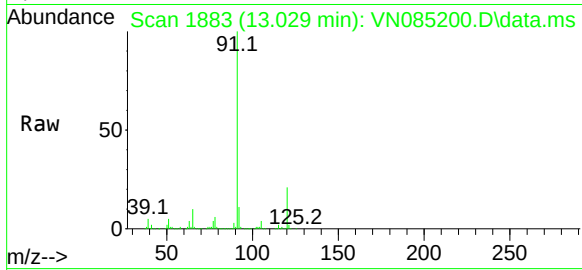
Tgt Ion:105 Resp: 763403
Ion Ratio Lower Upper
105 100
120 25.4 13.0 39.0





#78
n-propylbenzene
Concen: 109.095 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

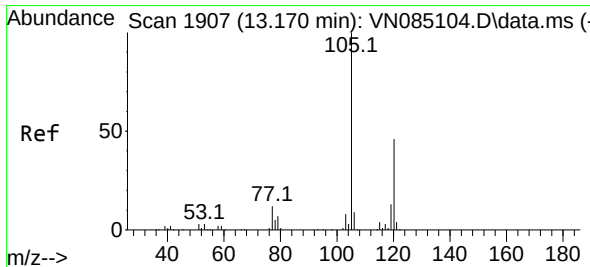
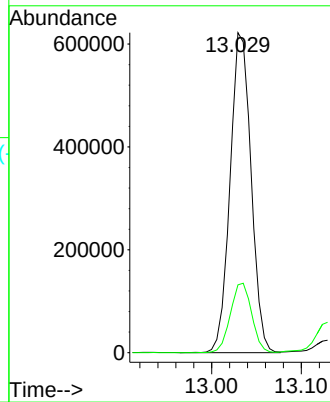
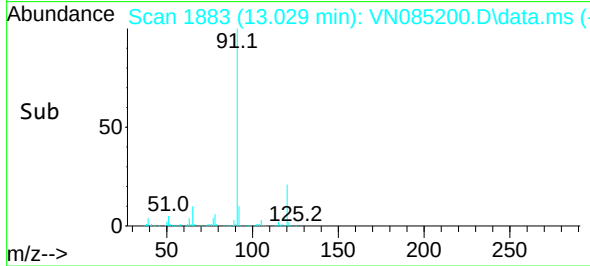
Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212



Tgt Ion: 91 Resp: 100857
Ion Ratio Lower Upper
91 100
120 22.1 11.3 33.9

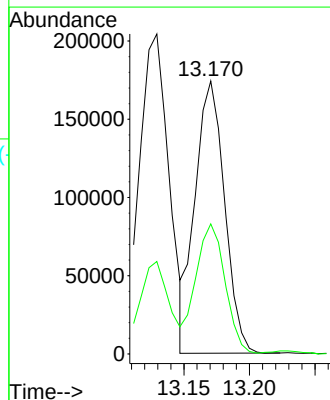
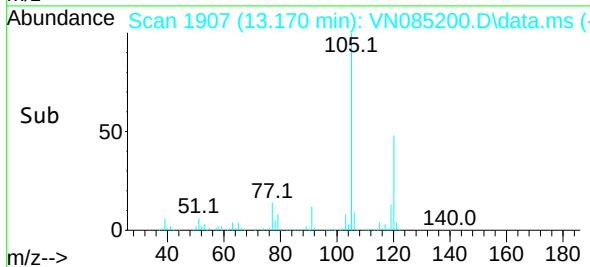
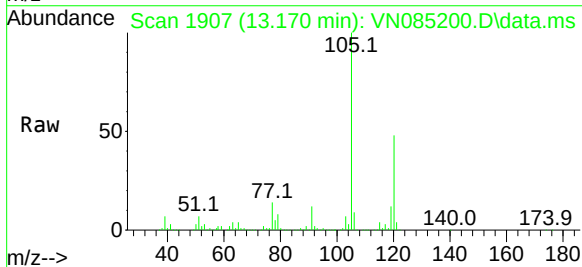
Manual Integrations
APPROVED

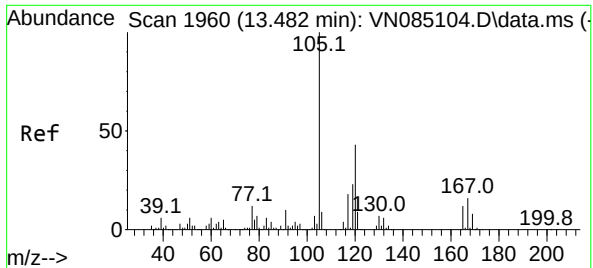
Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024



#80
1,3,5-Trimethylbenzene
Concen: 40.478 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

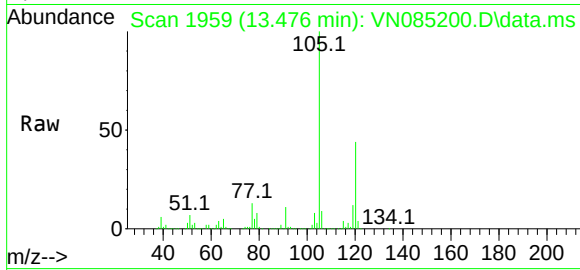
Tgt Ion:105 Resp: 272248
Ion Ratio Lower Upper
105 100
120 47.2 23.6 71.0





#84
1,2,4-Trimethylbenzene
Concen: 348.177 ug/l
RT: 13.476 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

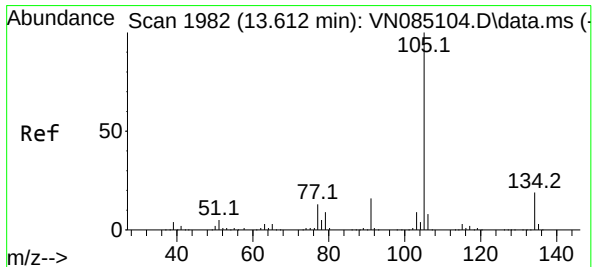
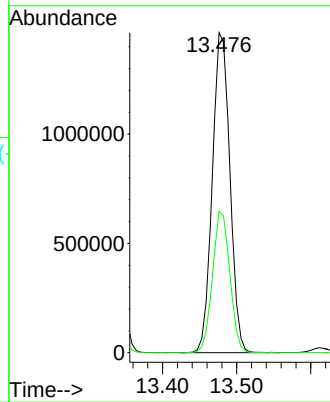
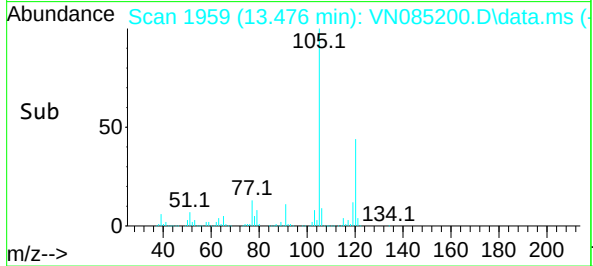
Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212



Tgt Ion:105 Resp: 241053
Ion Ratio Lower Upper
105 100
120 43.7 21.8 65.4

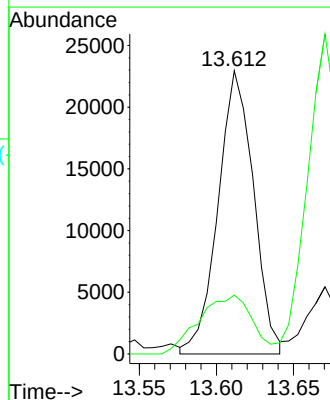
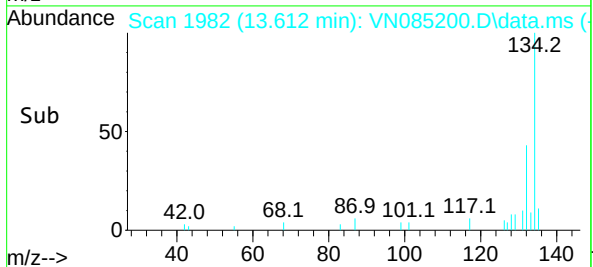
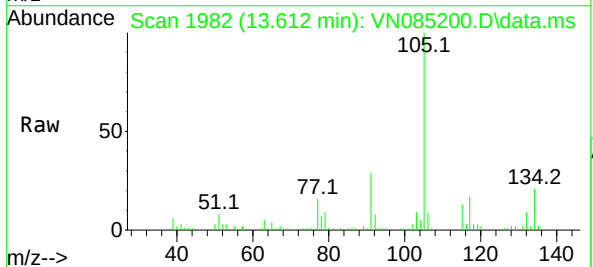
Manual Integrations
APPROVED

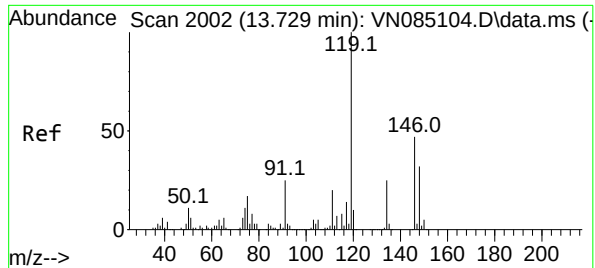
Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024



#85
sec-Butylbenzene
Concen: 4.703 ug/l m
RT: 13.612 min Scan# 1982
Delta R.T. -0.000 min
Lab File: VN085200.D
Acq: 13 Dec 2024 16:39

Tgt Ion:105 Resp: 36766
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





#86

p-Isopropyltoluene

Concen: 9.606 ug/l m

RT: 13.723 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN085200.D

Acq: 13 Dec 2024 16:39

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212

Tgt Ion:119 Resp: 61989

Ion Ratio Lower Upper

119 100

134 64.2 13.0 39.0#

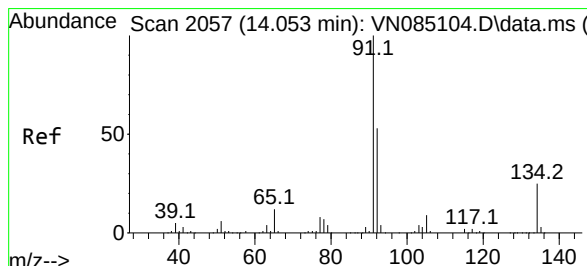
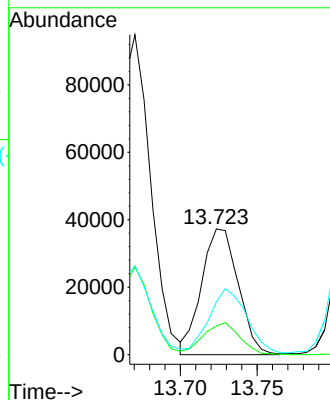
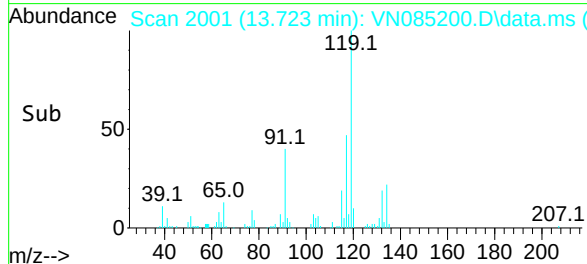
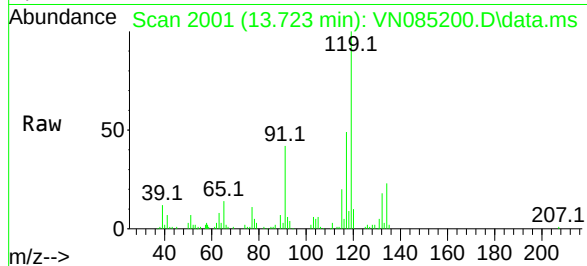
91 59.7 12.8 38.4#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024

Supervised By :Mahesh Dadoda 12/16/2024



#89

n-Butylbenzene

Concen: 11.091 ug/l m

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN085200.D

Acq: 13 Dec 2024 16:39

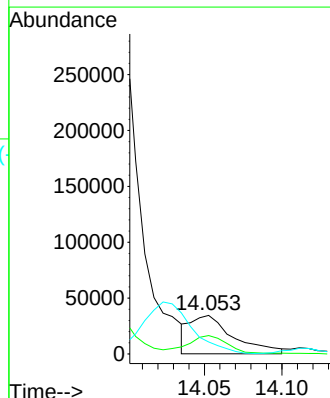
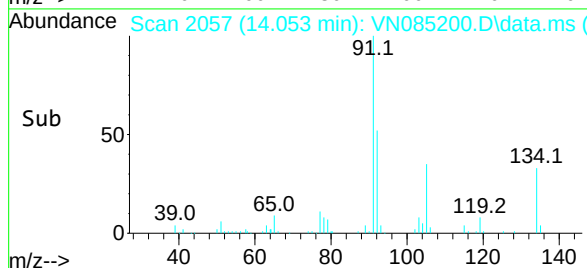
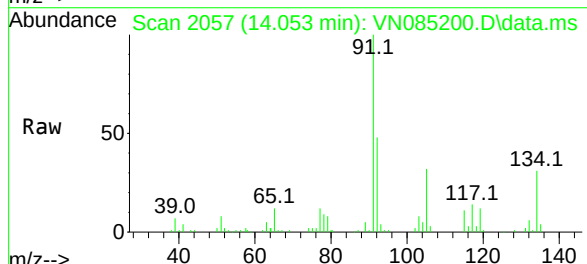
Tgt Ion: 91 Resp: 66559

Ion Ratio Lower Upper

91 100

92 96.8 26.8 80.3#

134 0.0 12.8 38.4#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085200.D
 Acq On : 13 Dec 2024 16:39
 Operator : JC\MD
 Sample : P5270-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW12-20241212

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: VN085200.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	52	62	76	rBV	176360	548459	2.96%	0.532%
2	8.165	1043	1056	1060	rBV	118514	280855	1.51%	0.273%
3	8.224	1060	1066	1079	rVB	205463	465421	2.51%	0.452%
4	8.577	1117	1126	1137	rBV2	131742	351201	1.89%	0.341%
5	9.100	1206	1215	1230	rBV	311932	629332	3.39%	0.611%
6	9.600	1288	1300	1315	rVB	169518	390928	2.11%	0.379%
7	10.565	1454	1464	1471	rBV	518803	1038668	5.60%	1.008%
8	10.994	1529	1537	1547	rBV5	78495	226887	1.22%	0.220%
9	11.865	1678	1685	1691	rBV	458950	828282	4.47%	0.804%
10	11.959	1694	1701	1712	rVV	3596214	6074471	32.75%	5.895%
11	12.071	1712	1720	1738	rVB	177791	424444	2.29%	0.412%
12	12.394	1765	1775	1784	rBV	186927	368889	1.99%	0.358%
13	12.694	1818	1826	1842	rVB	1125690	1878773	10.13%	1.823%
14	12.847	1842	1852	1863	rVB	365435	636059	3.43%	0.617%
15	13.029	1875	1883	1890	rBV	1235832	2031132	10.95%	1.971%
16	13.129	1890	1900	1903	rVV	499559	856465	4.62%	0.831%
17	13.170	1903	1907	1913	rVB	497757	771404	4.16%	0.749%
18	13.335	1927	1935	1943	rBV	1902300	3185359	17.17%	3.092%
19	13.476	1947	1959	1966	rBV	4112011	6919542	37.30%	6.716%
20	13.600	1973	1980	1987	rBV3	76688	186778	1.01%	0.181%
21	13.670	1987	1992	1997	rBV	273715	427809	2.31%	0.415%
22	13.729	1997	2002	2007	rVB2	168776	272543	1.47%	0.265%
23	13.817	2007	2017	2022	rBV2	2180051	4279145	23.07%	4.153%
24	13.947	2032	2039	2041	rBV	804239	1197622	6.46%	1.162%
25	13.994	2041	2047	2059	rVB	6533799	11886094	64.08%	11.536%
26	14.176	2072	2078	2083	rVB2	219492	362776	1.96%	0.352%
27	14.241	2083	2089	2092	rBV	465881	823843	4.44%	0.800%
28	14.323	2098	2103	2110	rVB	666662	1098593	5.92%	1.066%
29	14.394	2110	2115	2117	rBV	179222	272370	1.47%	0.264%
30	14.441	2117	2123	2134	rVB	3213575	5724870	30.86%	5.556%
31	14.570	2138	2145	2150	rBV	296344	462824	2.50%	0.449%
32	14.653	2150	2159	2161	rBV	493357	821527	4.43%	0.797%
33	14.688	2161	2165	2170	rVV	1120317	1745653	9.41%	1.694%
34	14.794	2177	2183	2194	rVB2	206405	513995	2.77%	0.499%
35	14.923	2198	2205	2216	rVB	2127308	3536096	19.06%	3.432%
36	15.035	2216	2224	2232	rBV2	1882837	4446075	23.97%	4.315%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

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	15.112	2232	2237	2245	rVB	1575152	2741538	14.78%	2.661%
38	15.200	2245	2252	2261	rVB	4093047	7461109	40.22%	7.241%
39	15.306	2261	2270	2277	rBV2	684299	1478652	7.97%	1.435%
40	15.441	2285	2293	2301	rVB3	200284	504320	2.72%	0.489%
41	15.564	2304	2314	2318	rVV6	95248	284723	1.53%	0.276%
42	15.635	2318	2326	2339	rVV	9560925	18549287	100.00%	18.003%
43	15.747	2339	2345	2362	rVB6	129820	442801	2.39%	0.430%
44	15.941	2370	2378	2381	rBV2	125364	269055	1.45%	0.261%
45	16.141	2405	2412	2417	rBV	283145	648470	3.50%	0.629%
46	16.194	2417	2421	2427	rVB2	191283	367768	1.98%	0.357%
47	16.276	2427	2435	2452	rVB2	427049	1540229	8.30%	1.495%
48	16.494	2465	2472	2478	rBV3	81625	202922	1.09%	0.197%
49	16.564	2478	2484	2500	rVB	186604	526587	2.84%	0.511%
50	16.776	2512	2520	2522	rBV	1095940	2053301	11.07%	1.993%

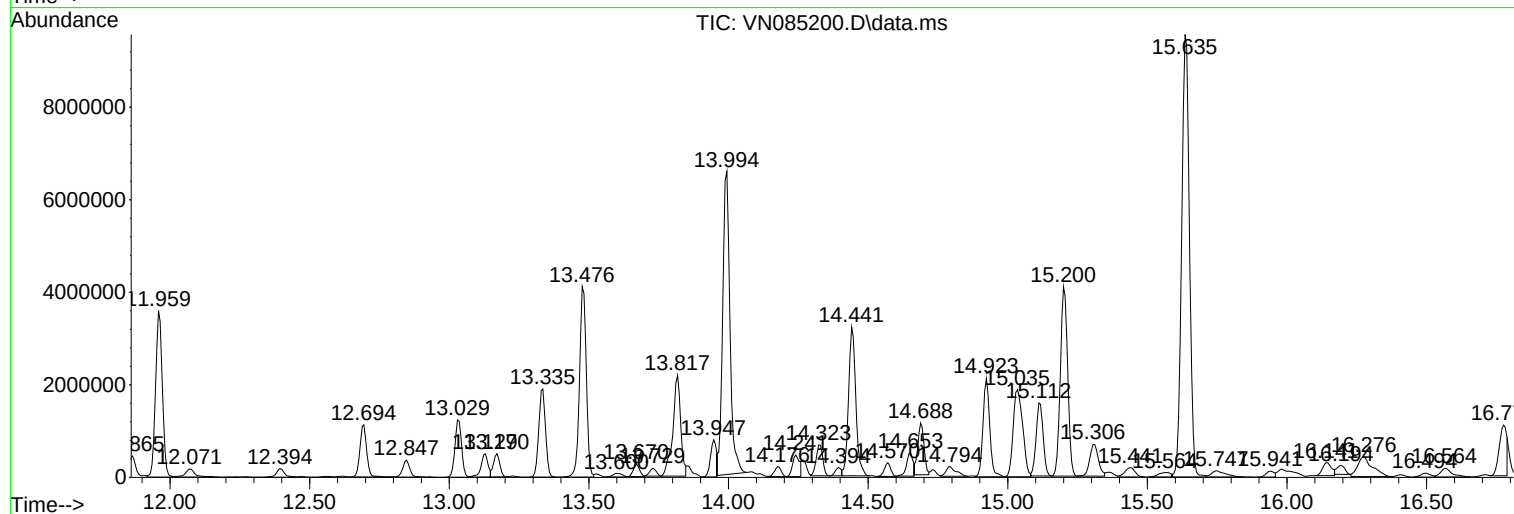
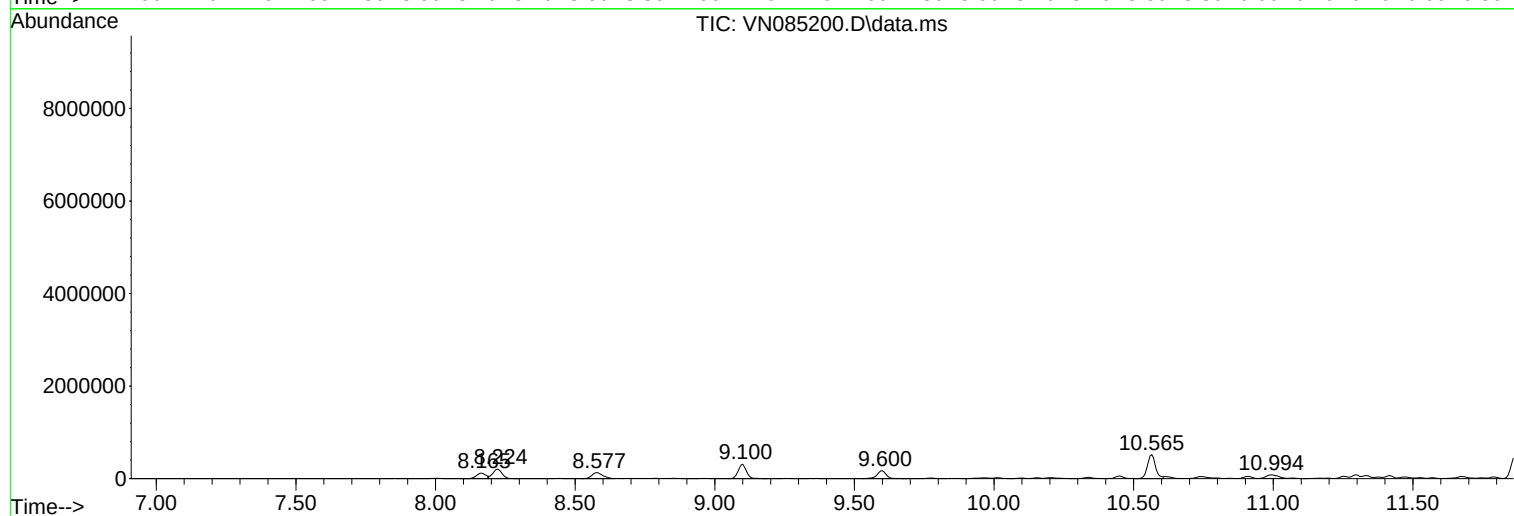
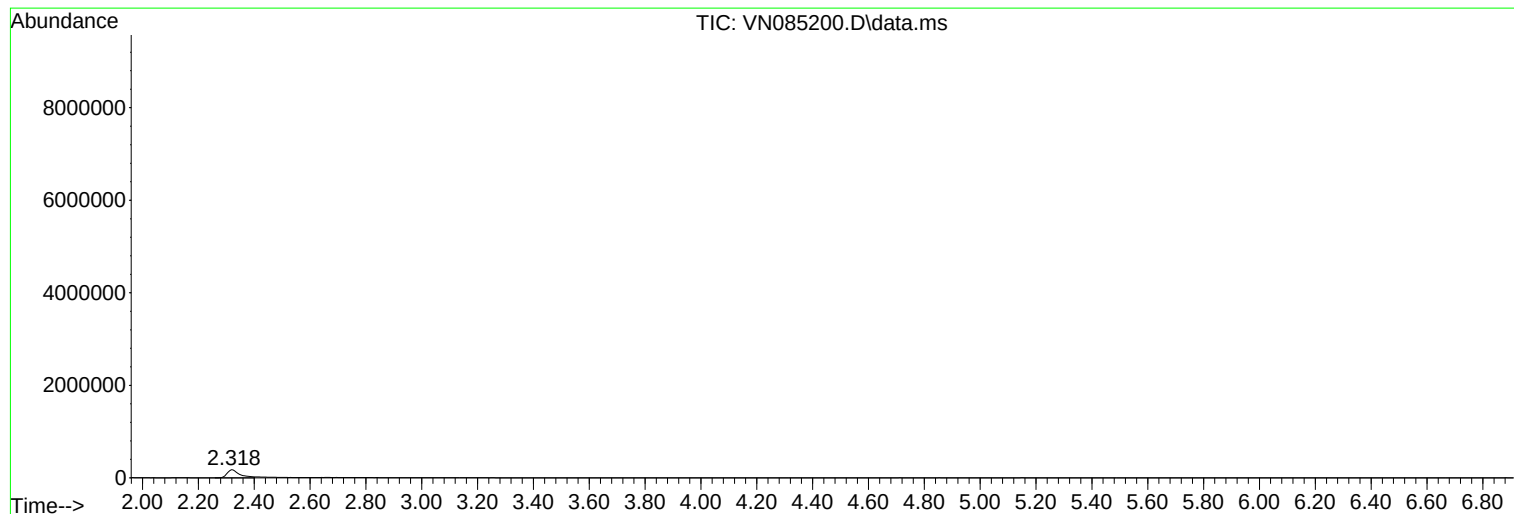
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

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\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

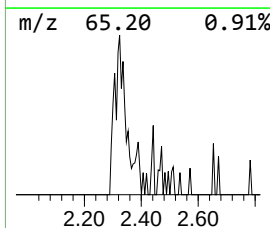
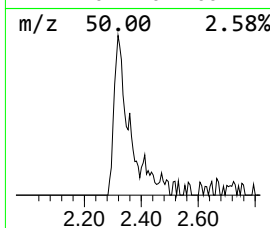
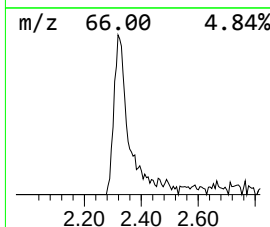
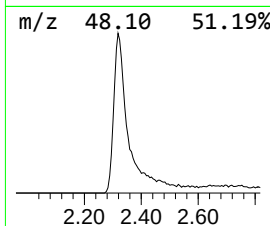
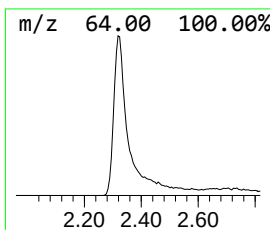
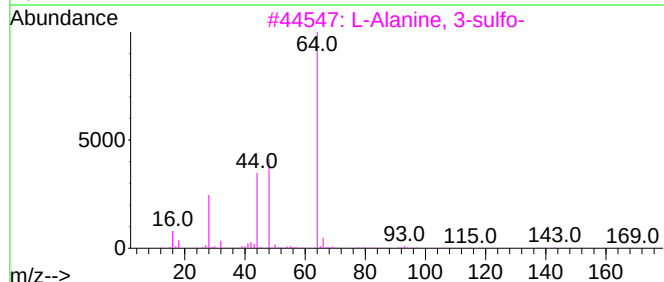
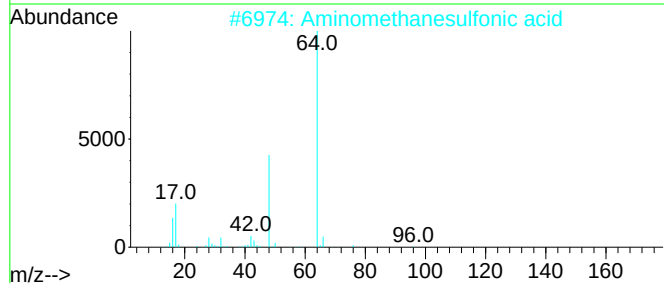
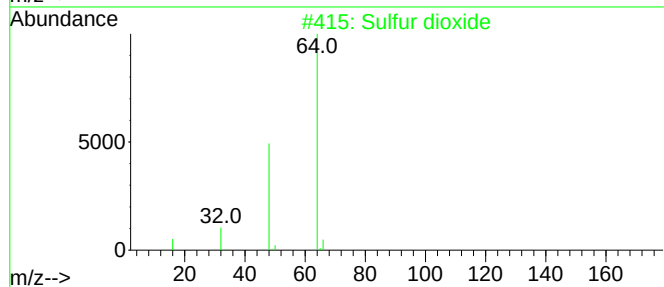
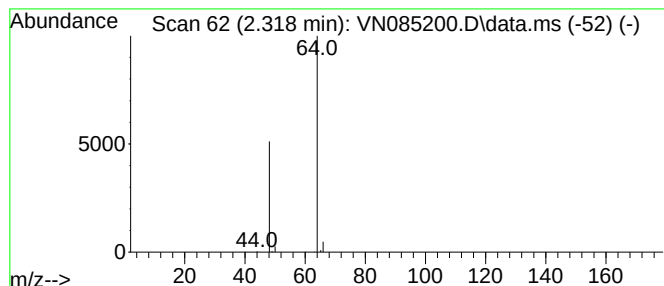
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Quant Title : SW846 8260

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

Peak Number 1 Sulfur dioxide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.318	58.92 ug/l	548459	Pentafluorobenzene	8.224

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfur dioxide	64	O2S	007446-09-5	83
2			Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
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\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

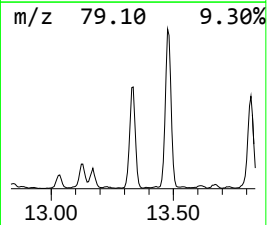
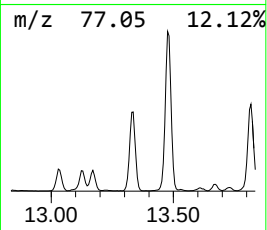
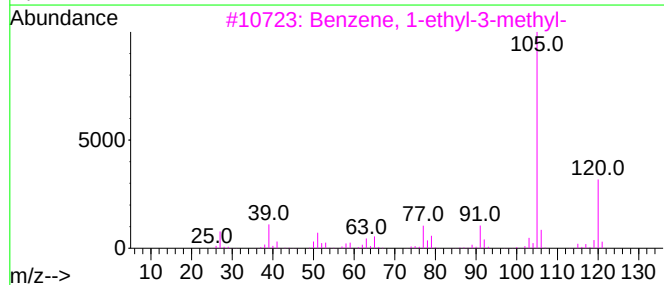
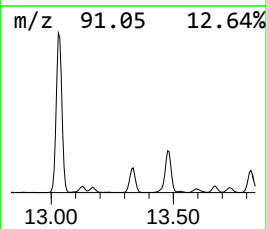
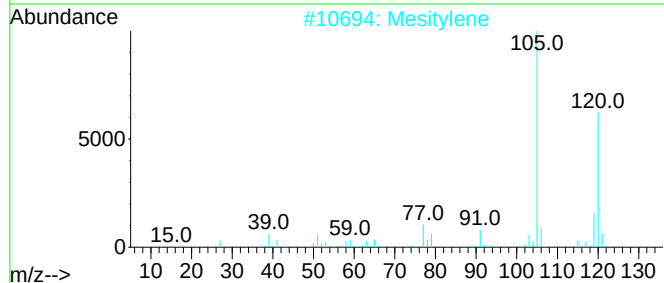
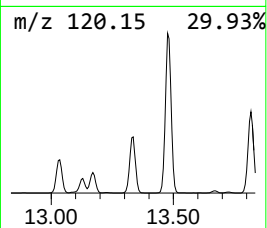
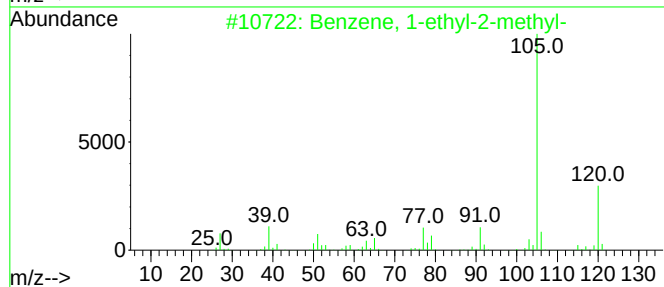
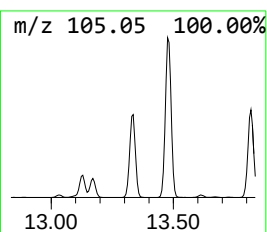
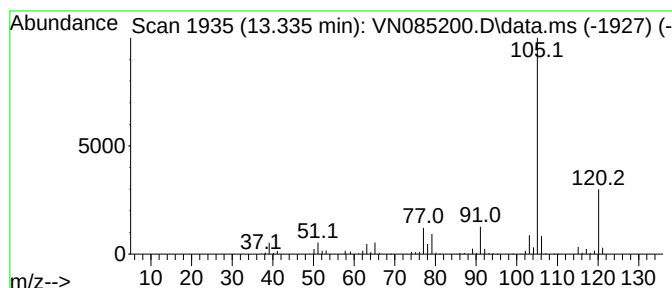
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.335	37.22 ug/l	3185360	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			Mesitylene	120	C9H12	000108-67-8	91
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

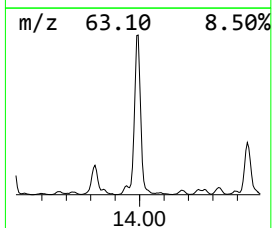
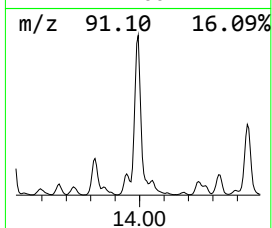
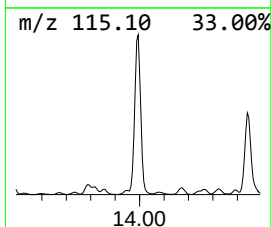
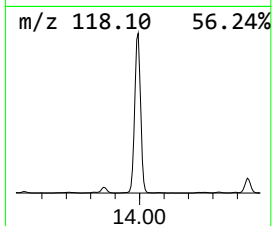
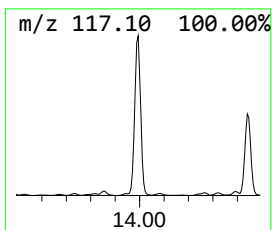
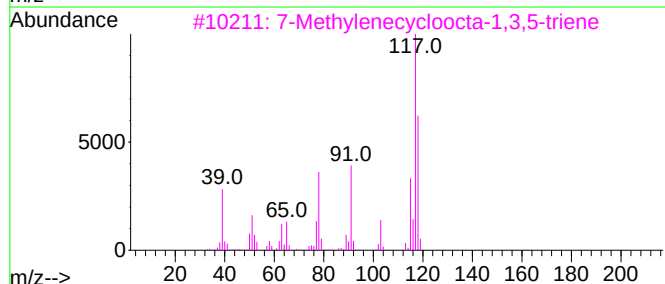
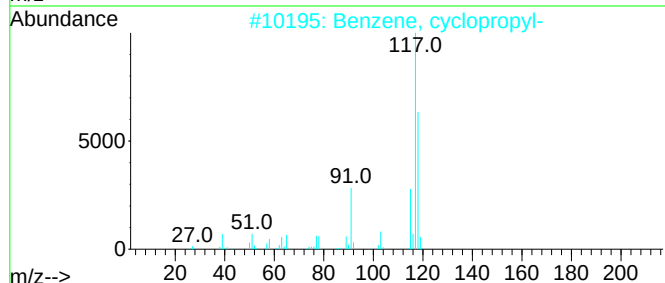
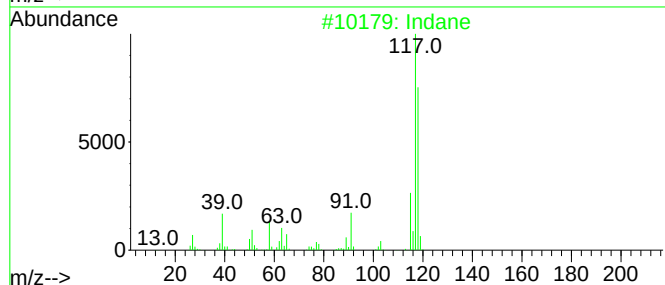
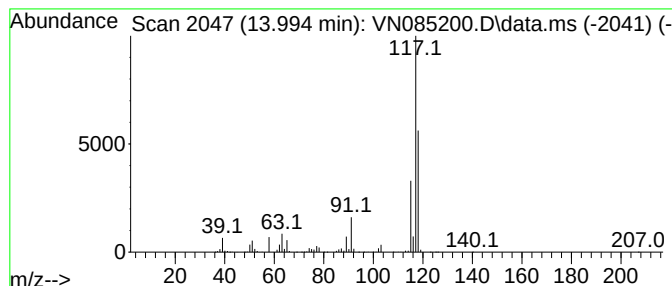
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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	138.88 ug/l	11886100	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	59
3			7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	59
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\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

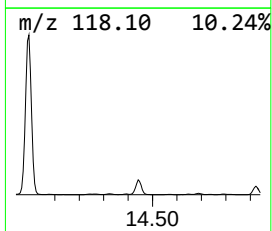
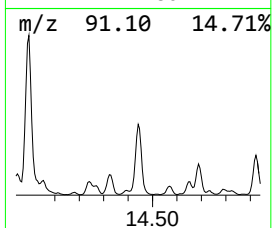
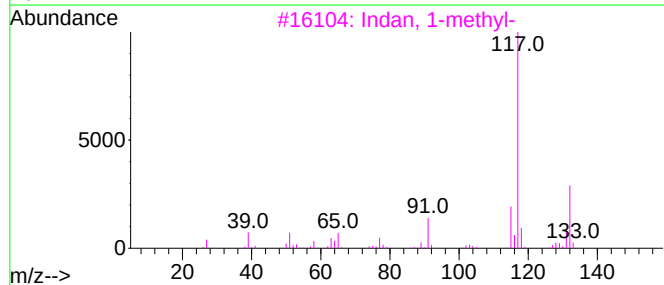
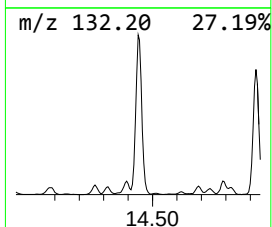
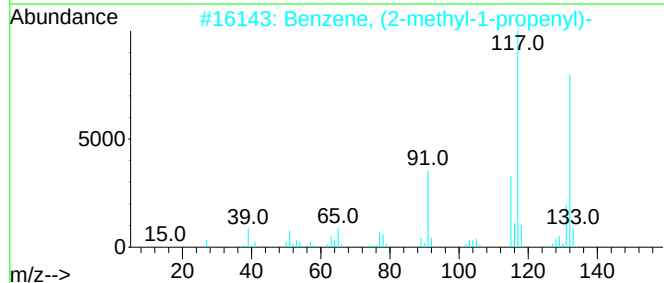
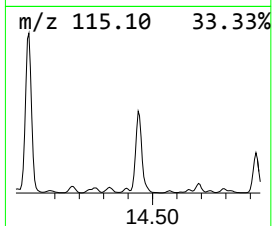
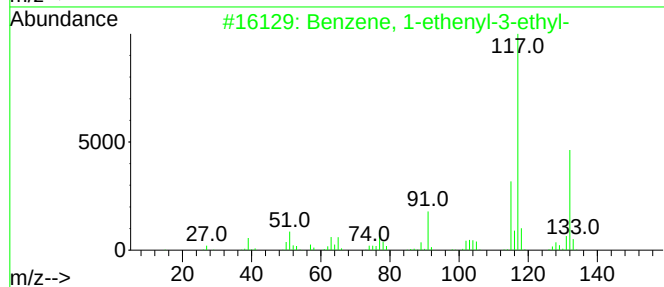
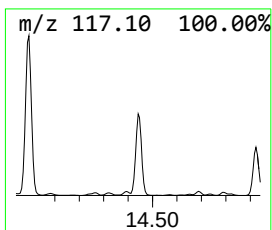
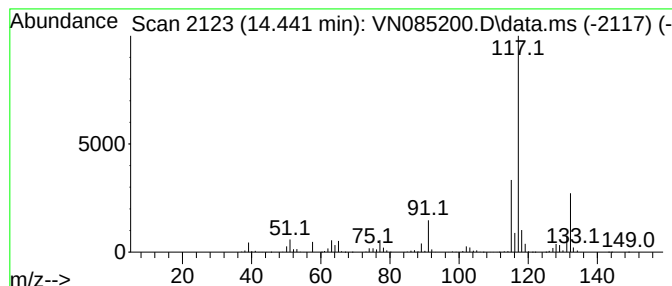
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.441	66.89 ug/l	5724870	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	90
2			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
3			Indan, 1-methyl-	132	C10H12	000767-58-8	87
4			1-Phenyl-1-butene	132	C10H12	000824-90-8	83
5			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

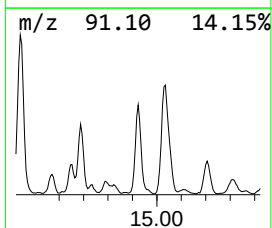
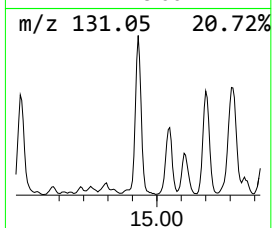
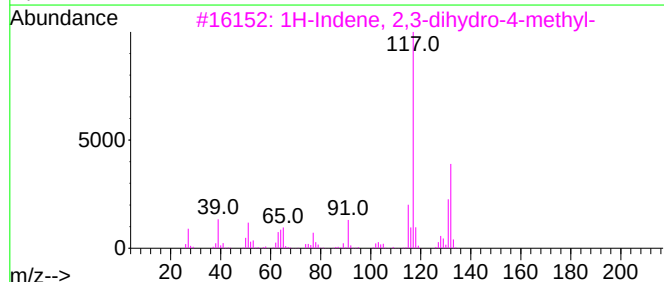
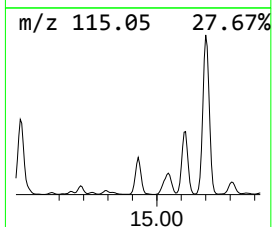
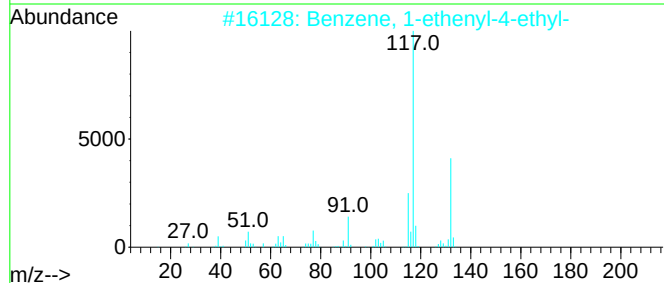
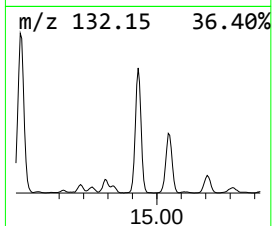
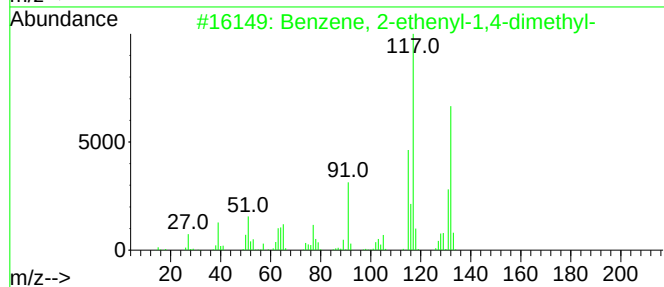
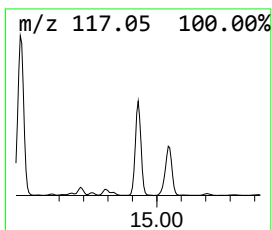
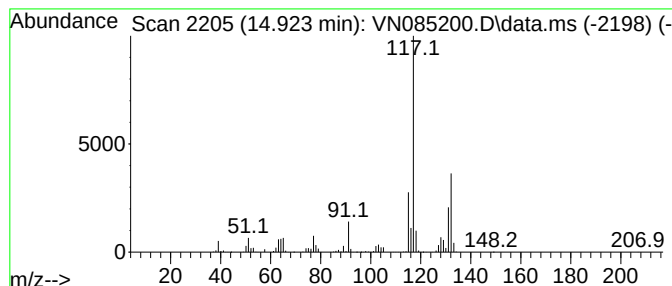
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.923	41.32 ug/l	3536100	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			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3			1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

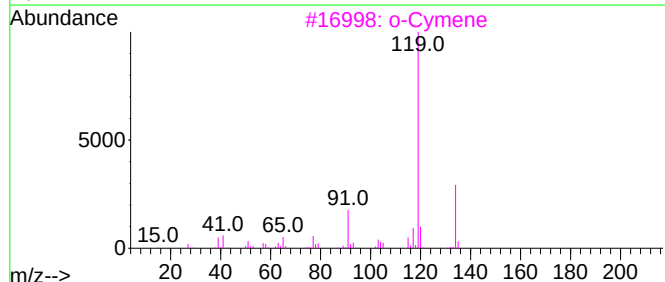
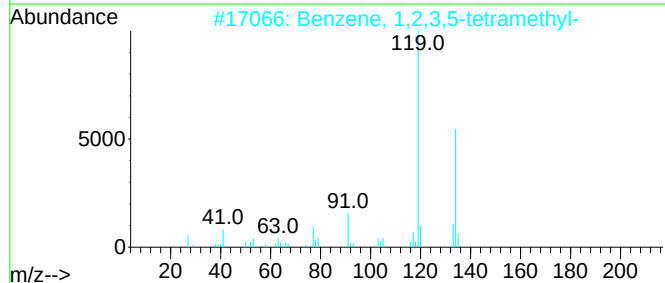
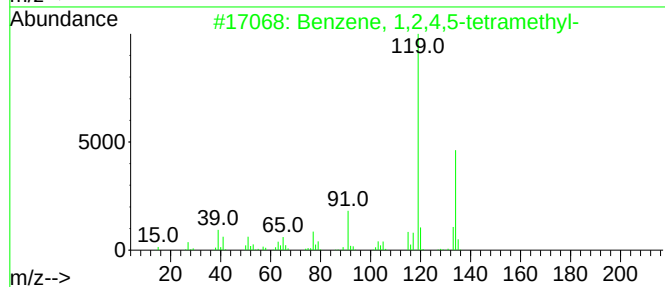
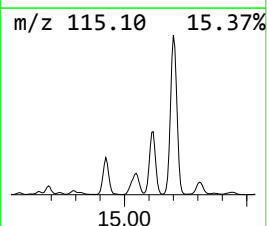
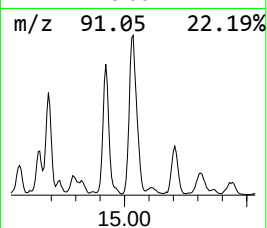
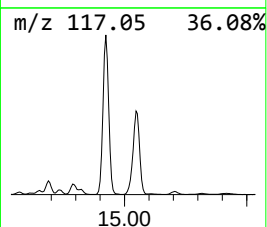
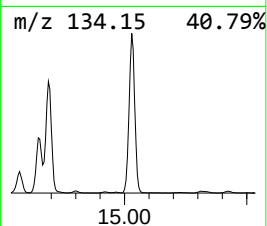
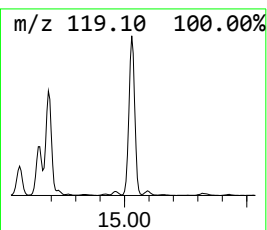
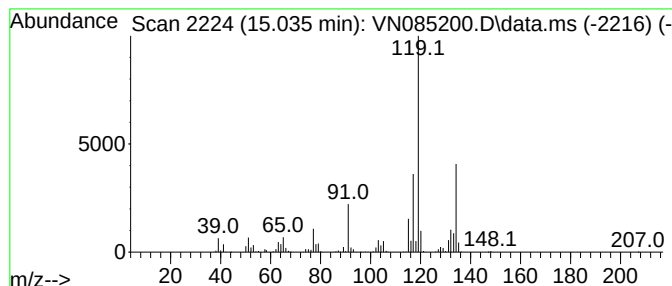
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.035	51.95 ug/l	4446080	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81
3			o-Cymene	134	C10H14	000527-84-4	81
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

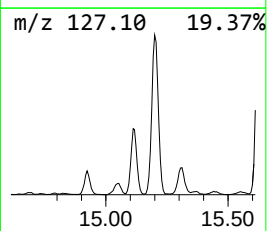
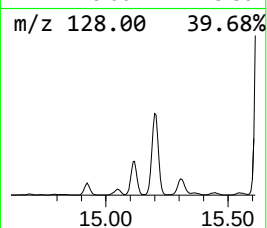
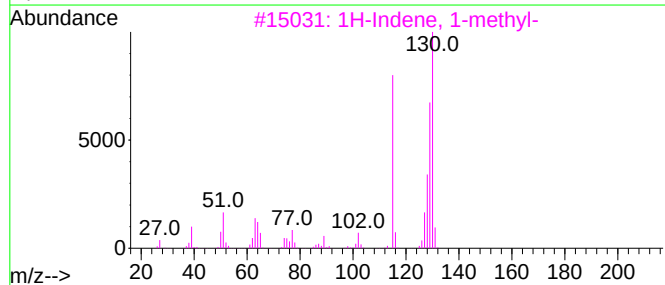
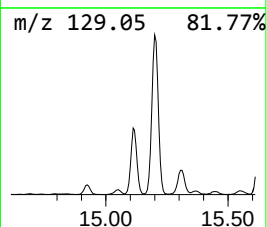
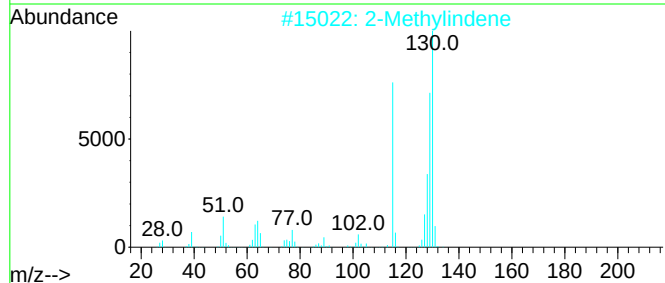
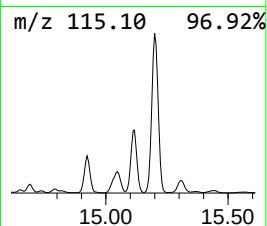
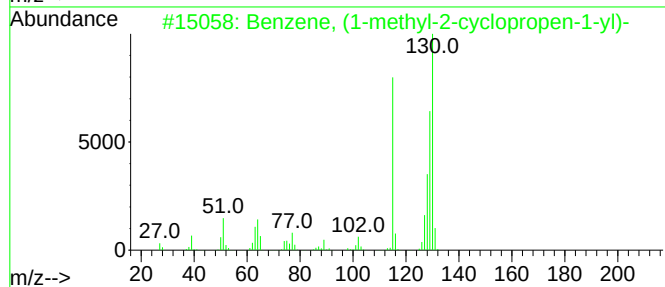
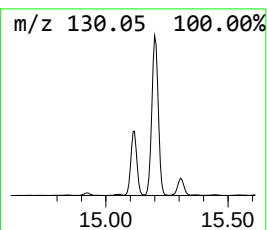
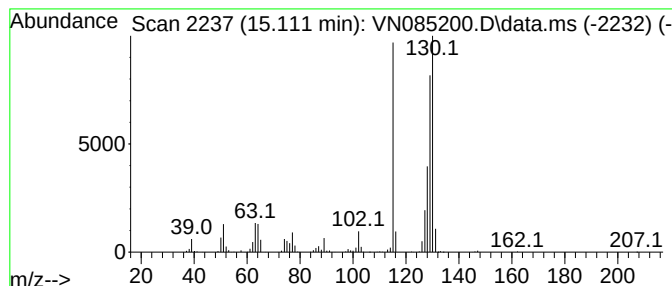
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, (1-methyl-2-cyclop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.111	32.03 ug/l	2741540	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2			2-Methylindene	130	C10H10	002177-47-1	97
3			1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4			1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93
5			Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

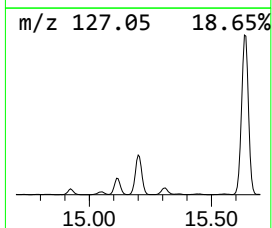
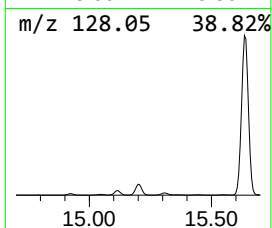
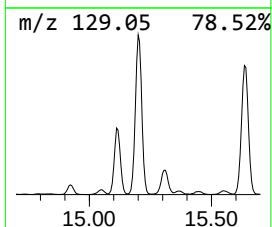
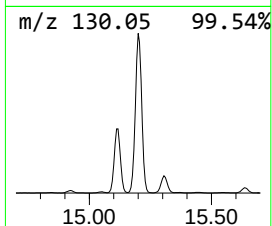
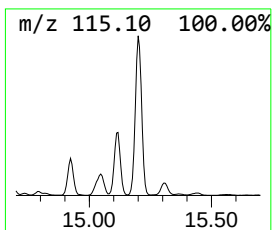
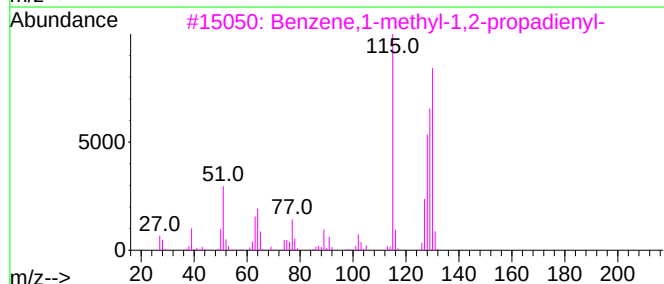
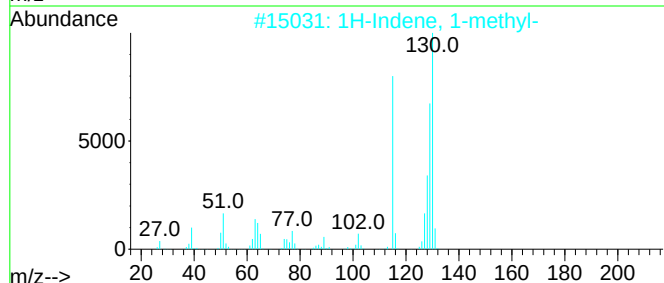
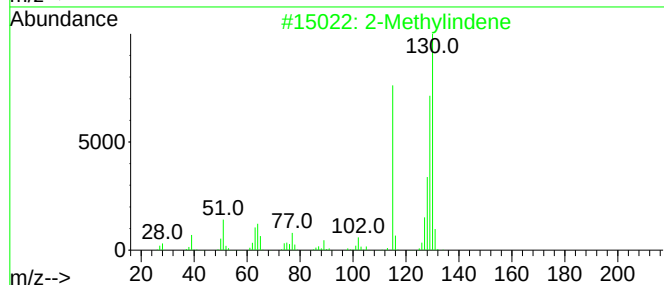
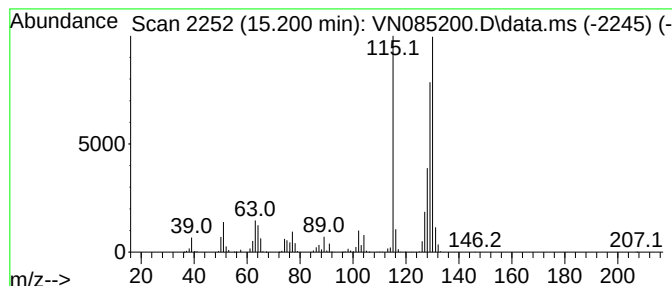
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 8 2-Methylindene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.200	87.18 ug/l	7461110	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Methylindene	130	C10H10	002177-47-1	97
2			1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3			Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
4			1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
5			Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085200.D
Acq On : 13 Dec 2024 16:39
Operator : JC\MD
Sample : P5270-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212

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

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Sulfur dioxide	2.318	58.9	ug/l	548459	1	8.224	465421	50.0
Benzene, 1-ethy...	13.335	37.2	ug/l	3185360	4	13.788	4279150	50.0
Indane	13.994	138.9	ug/l	11886100	4	13.788	4279150	50.0
Benzene, 1-ethe...	14.441	66.9	ug/l	5724870	4	13.788	4279150	50.0
Benzene, 2-ethe...	14.923	41.3	ug/l	3536100	4	13.788	4279150	50.0
Benzene, 1,2,4,...	15.035	52.0	ug/l	4446080	4	13.788	4279150	50.0
Benzene, (1-met...	15.111	32.0	ug/l	2741540	4	13.788	4279150	50.0
2-Methylindene	15.200	87.2	ug/l	7461110	4	13.788	4279150	50.0

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/12/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24	
Client Sample ID:	MW12-20241212DL		SDG No.:	P5270	
Lab Sample ID:	P5270-07DL		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
VN085224.D	5		12/17/24 15:08	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	UDQ	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	UDQ	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	7.00	UD	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	8.10	UD	8.10	25.0	ug/L
78-93-3	2-Butanone	6.50	UD	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	31.8	D	0.95	5.00	ug/L
71-43-2	Benzene	6.20	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	3.20	JD	0.90	5.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/13/24
Client Sample ID:	MW12-20241212DL	SDG No.:	P5270
Lab Sample ID:	P5270-07DL	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
VN085224.D	5		12/17/24 15:08	VN121724

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	UD	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	380	D	0.80	5.00	ug/L
179601-23-1	m/p-Xylenes	21.1	D	1.60	10.0	ug/L
95-47-6	o-Xylene	18.3	D	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	100	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	53.0		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	51.8		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		77 - 121	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	127000	8.224			
540-36-3	1,4-Difluorobenzene	218000	9.1			
3114-55-4	Chlorobenzene-d5	208000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	99700	13.794			

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/13/24
Client Sample ID:	MW12-20241212DL	SDG No.:	P5270
Lab Sample ID:	P5270-07DL	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
VN085224.D	5		12/17/24 15:08	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 : VN085224.D
 Acq On : 17 Dec 2024 15:08
 Operator : JC\MD
 Sample : P5270-07DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW12-20241212DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 00:26:28 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	126679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	217883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	207659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	95604	52.982	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.960%			
35) Dibromofluoromethane	8.165	113	75552	51.419	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.840%			
50) Toluene-d8	10.565	98	272621	51.773	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.540%			
62) 4-Bromofluorobenzene	12.847	95	107011	54.342	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.680%			
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.600	83	13149	6.358	ug/l #	86
40) Benzene	8.606	78	7790	1.238	ug/l #	84
52) Toluene	10.629	92	2374	0.637	ug/l	83
67) Ethyl Benzene	11.965	91	579615	75.861	ug/l	98
68) m/p-Xylenes	12.076	106	12275	4.220	ug/l	96
69) o-Xylene	12.394	106	10116	3.656	ug/l	99
73) Isopropylbenzene	12.694	105	147372	20.947	ug/l	99
78) n-propylbenzene	13.035	91	197124	24.292	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	53496	9.062	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	527246	86.762	ug/l	99
86) p-Isopropyltoluene	13.729	119	12521m	2.210	ug/l	

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

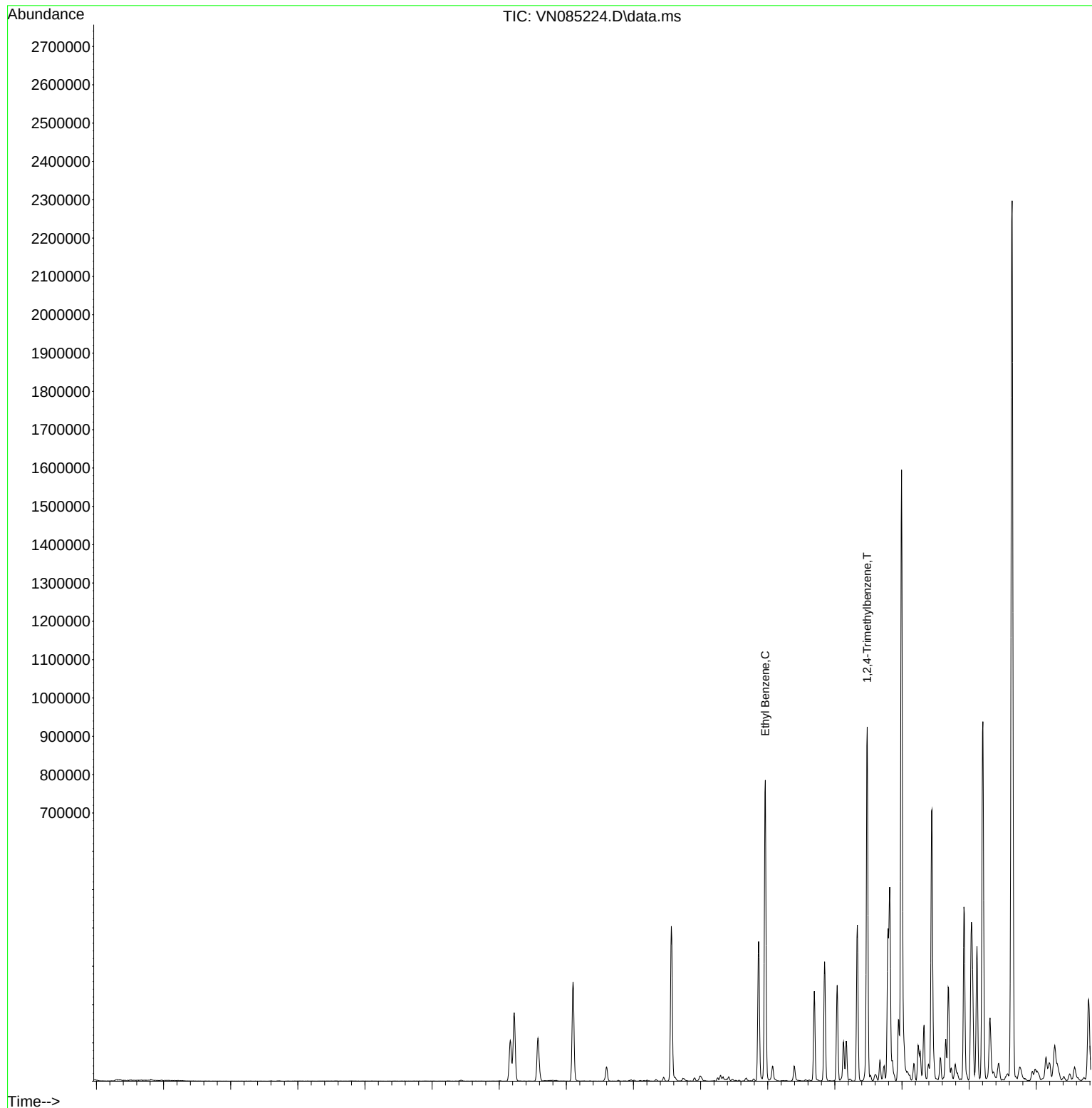
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Data File : VN085224.D
Acq On : 17 Dec 2024 15:08
Operator : JC\MD
Sample : P5270-07DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

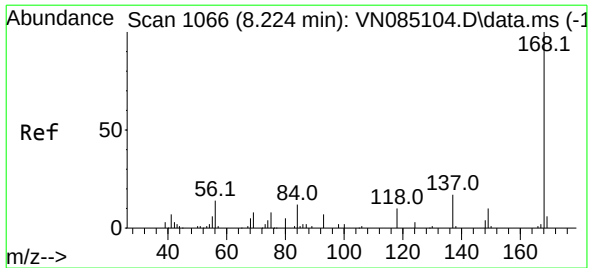
Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212DL

Manual Integrations
APPROVED

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

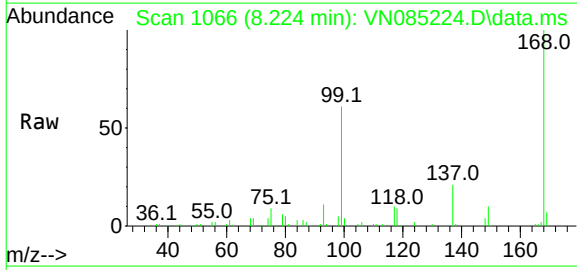
Quant Time: Dec 18 00:26:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085224.D
Acq: 17 Dec 2024 15:08

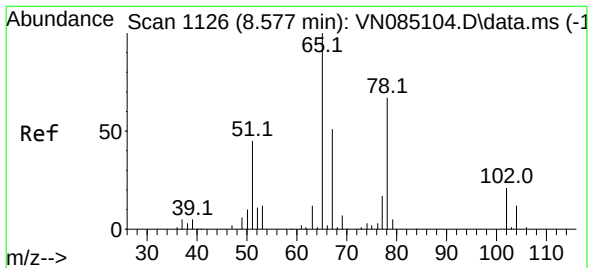
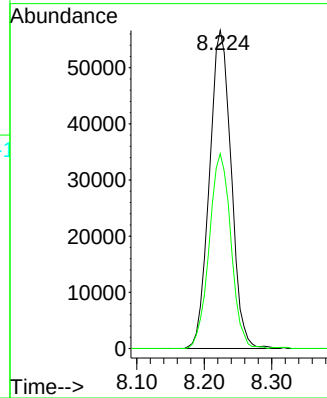
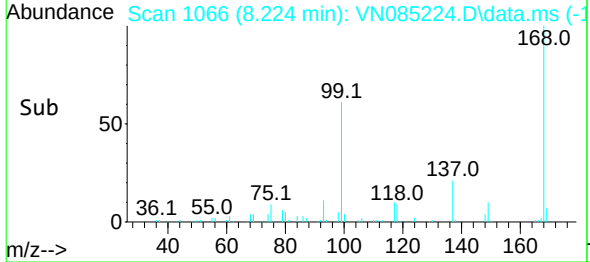
Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212DL



Tgt Ion: 168 Resp: 126679
Ion Ratio Lower Upper
168 100
99 61.2 51.2 76.8

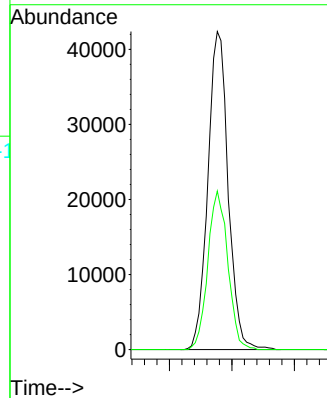
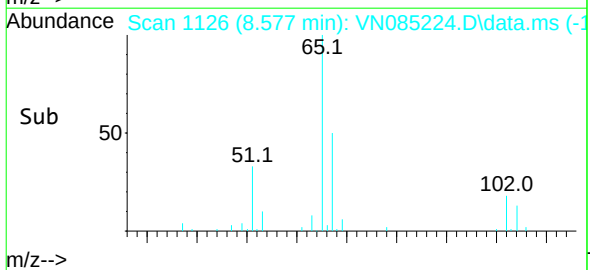
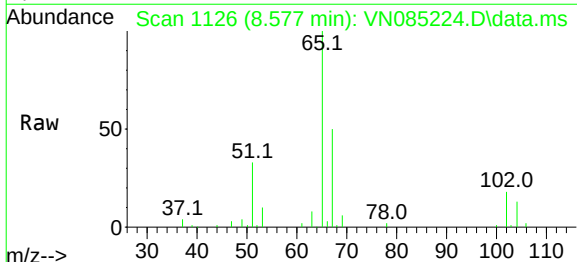
Manual Integrations
APPROVED

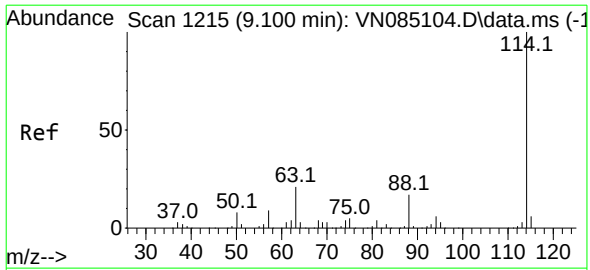
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#33
1,2-Dichloroethane-d4
Concen: 52.982 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085224.D
Acq: 17 Dec 2024 15:08

Tgt Ion: 65 Resp: 95604
Ion Ratio Lower Upper
65 100
67 49.0 0.0 105.0





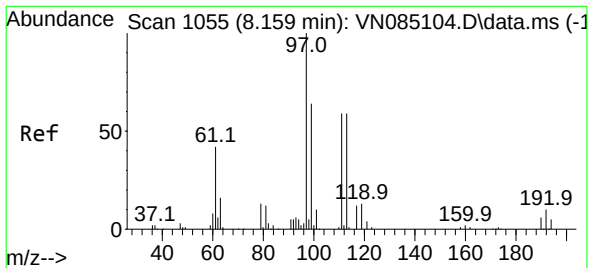
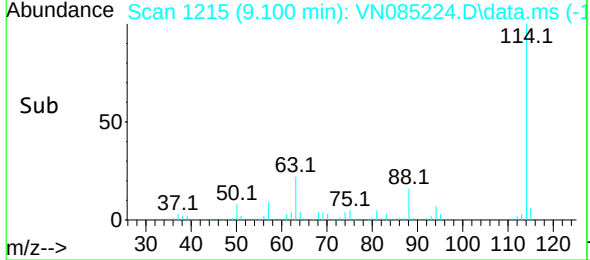
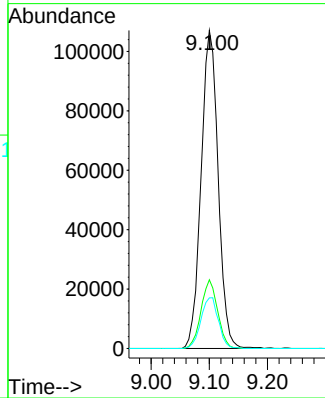
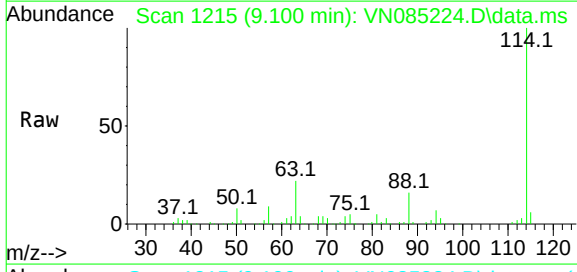
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085224.D
Acq: 17 Dec 2024 15:08

Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212DL

Tgt Ion:114 Resp: 217883
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.0
88 15.9 0.0 34.8

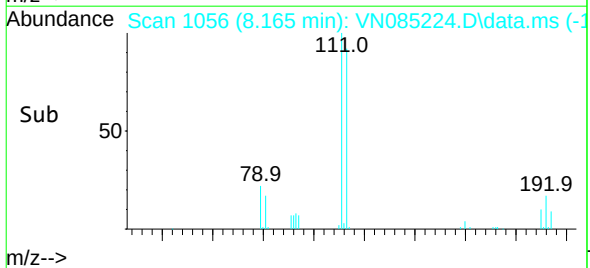
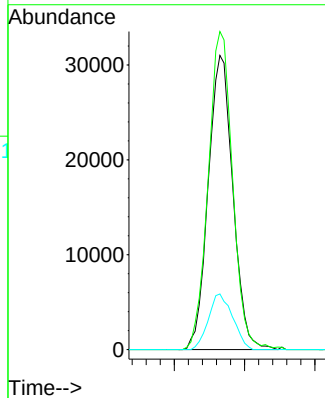
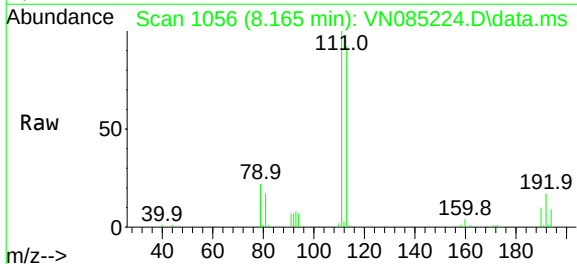
Manual Integrations
APPROVED

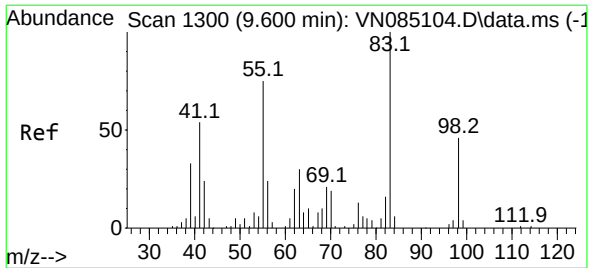
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#35
Dibromofluoromethane
Concen: 51.419 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085224.D
Acq: 17 Dec 2024 15:08

Tgt Ion:113 Resp: 75552
Ion Ratio Lower Upper
113 100
111 106.7 82.0 123.0
192 18.6 14.8 22.2





#39

Methylcyclohexane

Concen: 6.358 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.006 min

Lab File: VN085224.D

Acq: 17 Dec 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212DL

Tgt Ion: 83 Resp: 13149

Ion Ratio Lower Upper

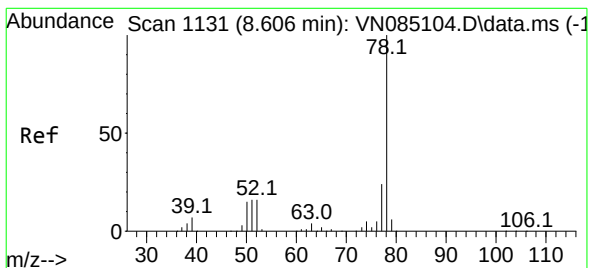
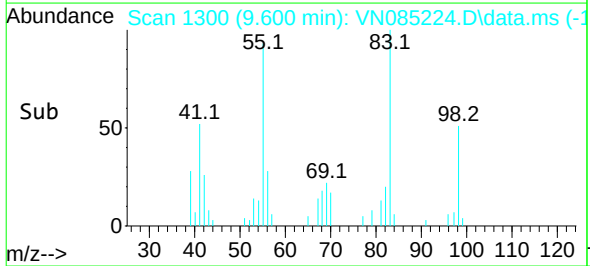
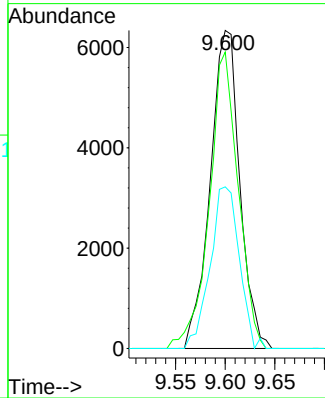
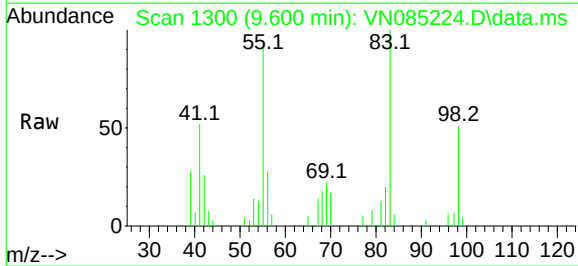
83 100

55 93.2 61.8 92.6#

98 50.8 37.0 55.6

Manual Integrations

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

#40

Benzene

Concen: 1.238 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085224.D

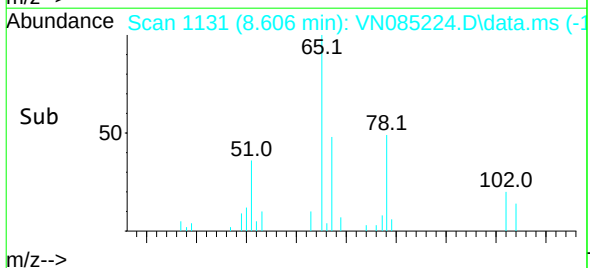
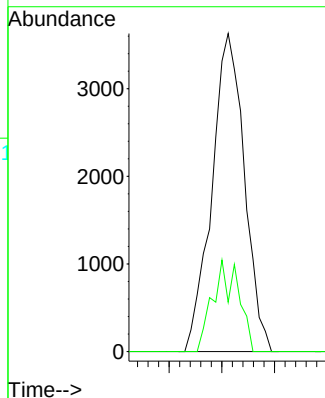
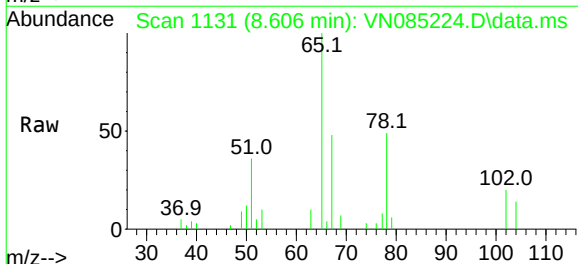
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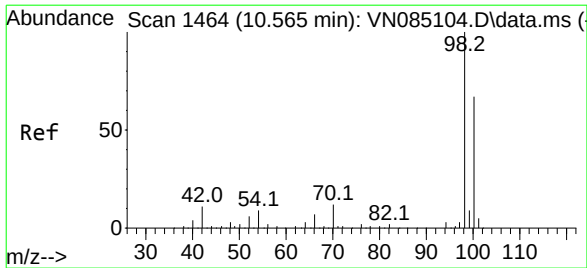
Tgt Ion: 78 Resp: 7790

Ion Ratio Lower Upper

78 100

77 15.5 18.5 27.7#





#50

Toluene-d8

Concen: 51.773 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085224.D

Acq: 17 Dec 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212DL

Tgt Ion: 98 Resp: 272621

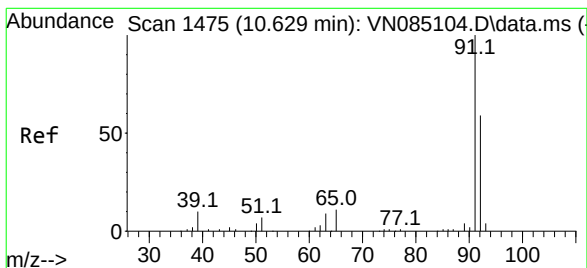
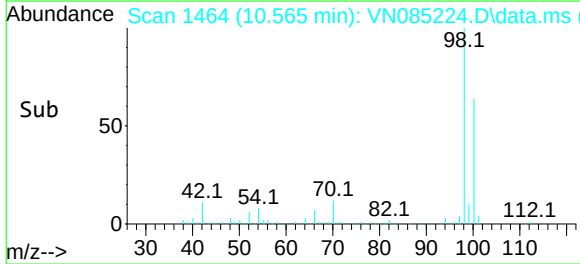
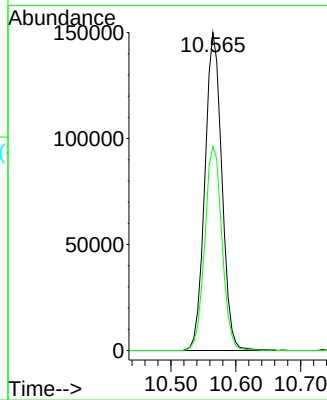
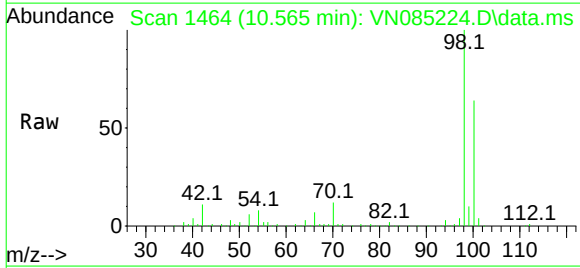
Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7

Manual Integrations

APPROVED

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

#52

Toluene

Concen: 0.637 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085224.D

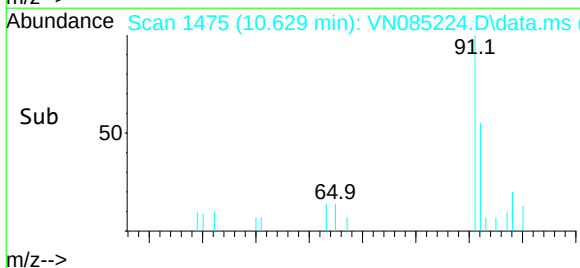
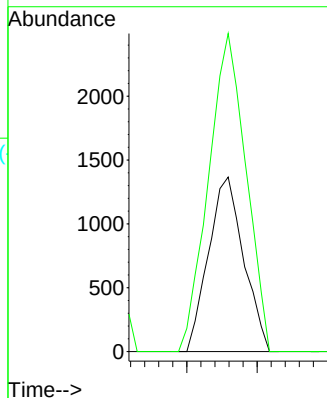
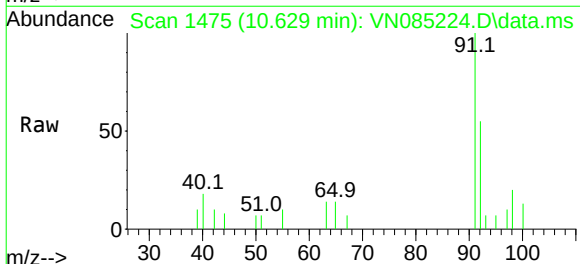
Acq: 17 Dec 2024 15:08

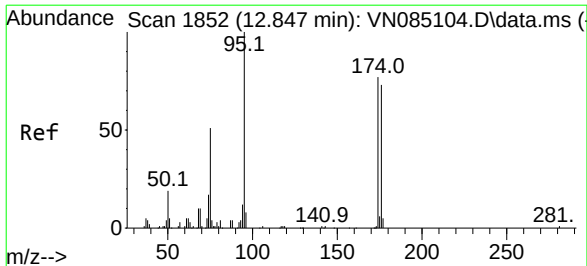
Tgt Ion: 92 Resp: 2374

Ion Ratio Lower Upper

92 100

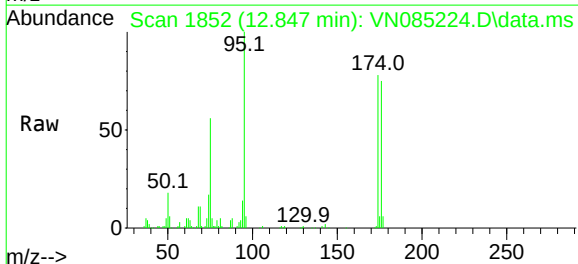
91 194.2 136.7 205.1





#62
4-Bromofluorobenzene
Concen: 54.342 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085224.D
Acq: 17 Dec 2024 15:08

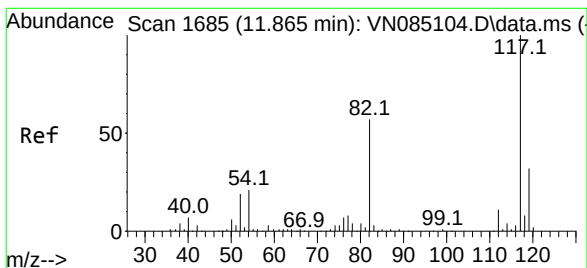
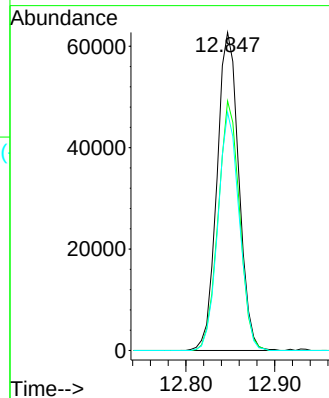
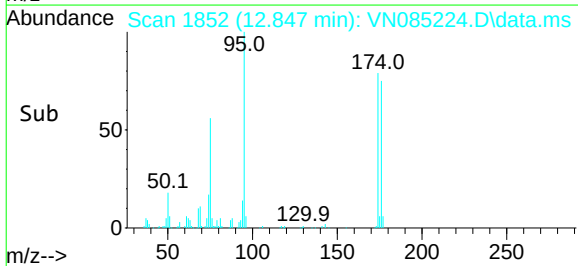
Instrument :
MSVOA_N
ClientSampleId :
MW12-20241212DL



Tgt Ion: 95 Resp: 107011
Ion Ratio Lower Upper
95 100
174 76.6 0.0 146.6
176 73.5 0.0 141.8

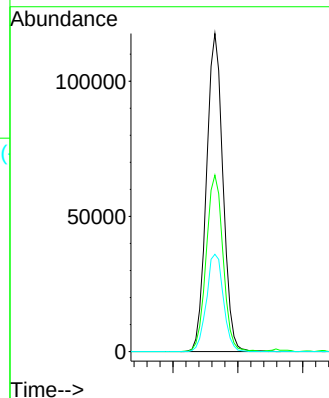
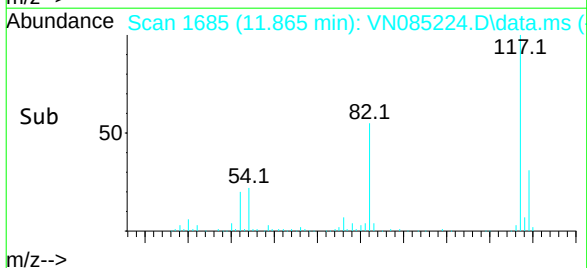
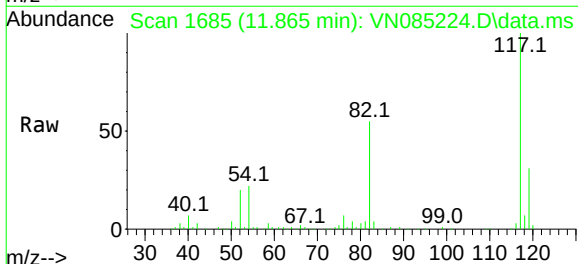
Manual Integrations
APPROVED

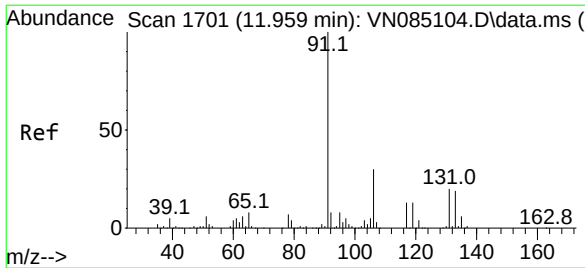
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085224.D
Acq: 17 Dec 2024 15:08

Tgt Ion:117 Resp: 207659
Ion Ratio Lower Upper
117 100
82 55.5 46.0 69.0
119 30.6 25.6 38.4





#67

Ethyl Benzene

Concen: 75.861 ug/l

RT: 11.965 min Scan# 17

Delta R.T. 0.006 min

Lab File: VN085224.D

Acq: 17 Dec 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212DL

Tgt Ion: 91 Resp: 579615

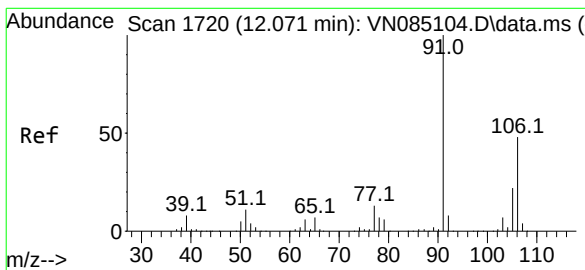
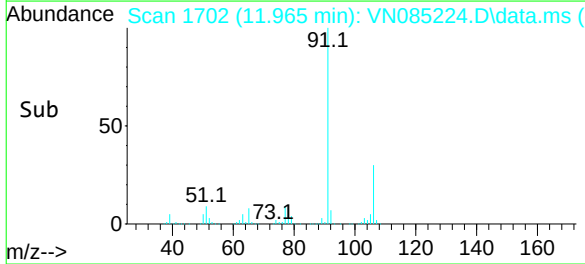
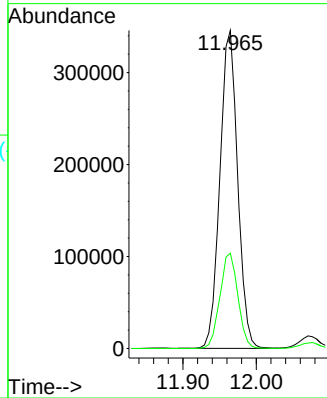
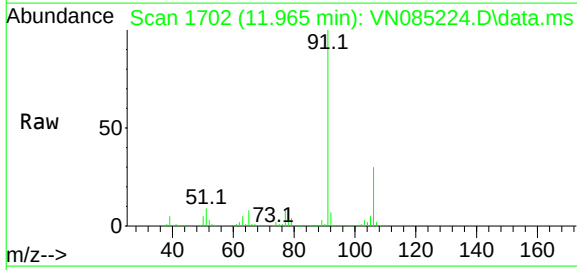
Ion Ratio Lower Upper

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: 4.220 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.006 min

Lab File: VN085224.D

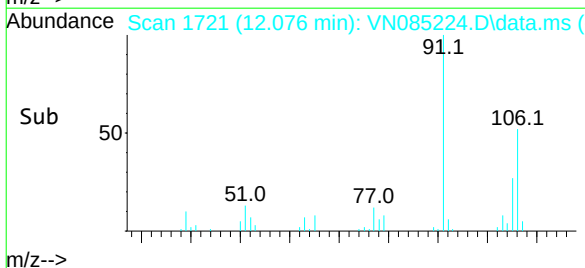
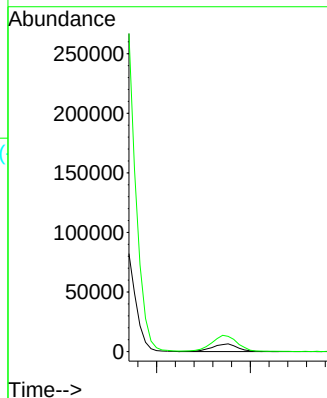
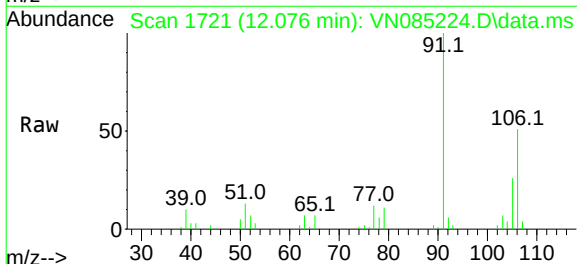
Acq: 17 Dec 2024 15:08

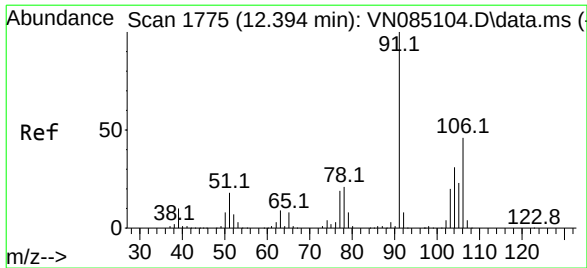
Tgt Ion:106 Resp: 12275

Ion Ratio Lower Upper

106 100

91 216.9 168.0 252.0





#69

o-Xylene

Concen: 3.656 ug/l

RT: 12.394 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN085224.D

Acq: 17 Dec 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212DL

Tgt Ion:106 Resp: 10116

Ion Ratio Lower Upper

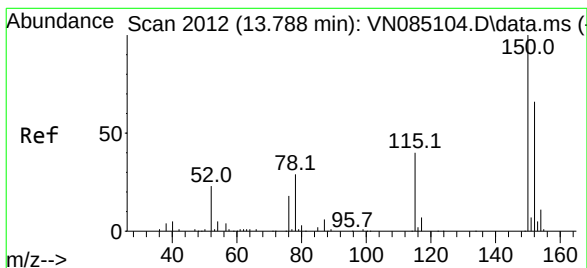
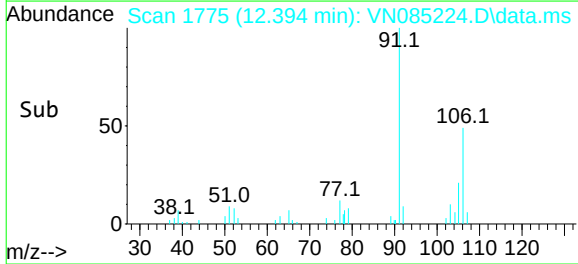
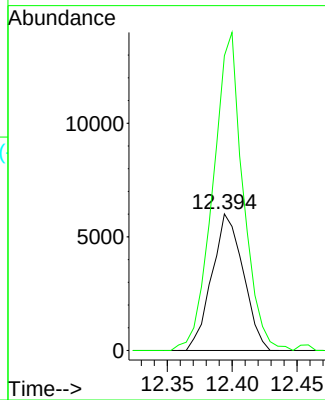
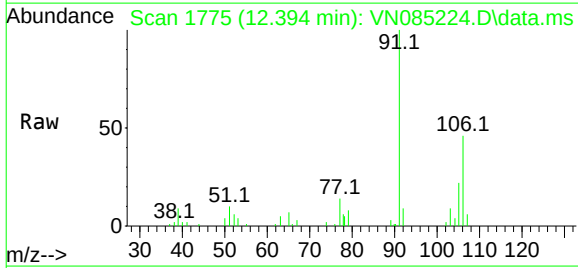
106 100

91 223.5 110.7 331.9

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: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN085224.D

Acq: 17 Dec 2024 15:08

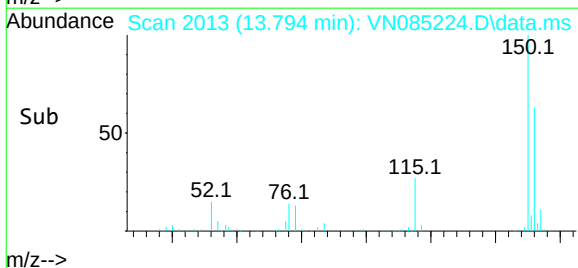
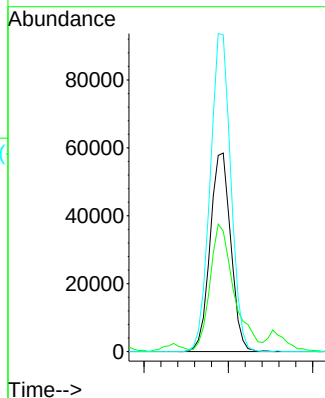
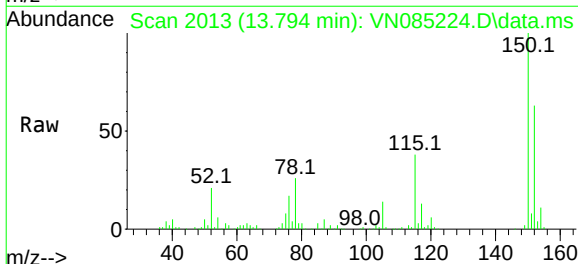
Tgt Ion:152 Resp: 99728

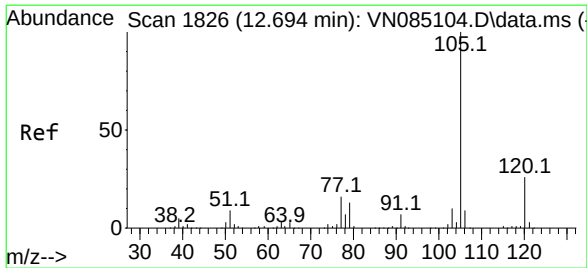
Ion Ratio Lower Upper

152 100

115 72.6 31.7 95.1

150 160.1 0.0 351.4





#73

Isopropylbenzene

Concen: 20.947 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085224.D

Acq: 17 Dec 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212DL

Tgt Ion: 105 Resp: 147372

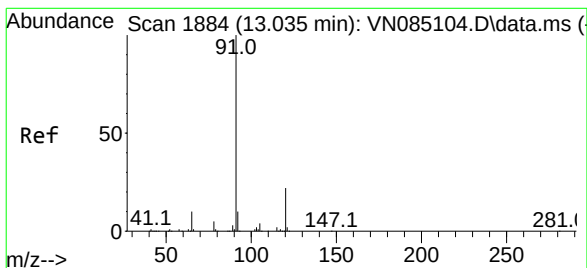
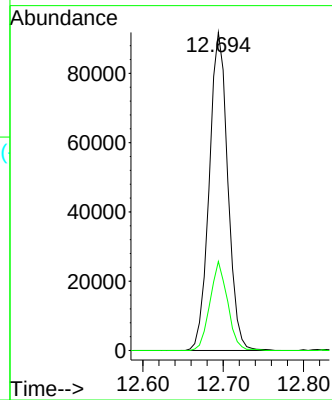
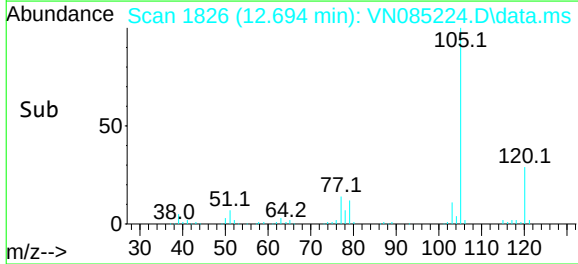
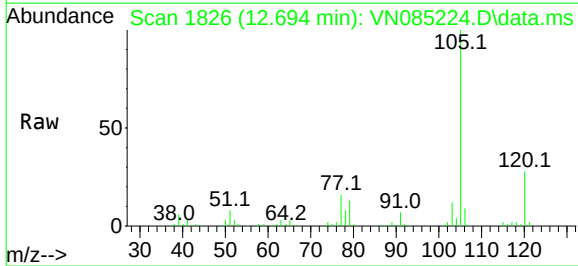
Ion Ratio Lower Upper

105 100

120 26.5 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: 24.292 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085224.D

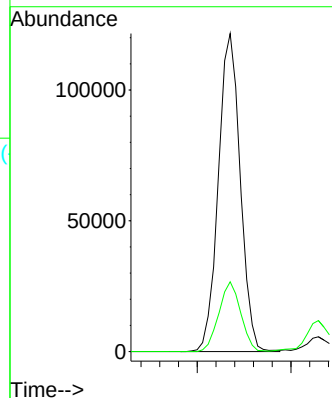
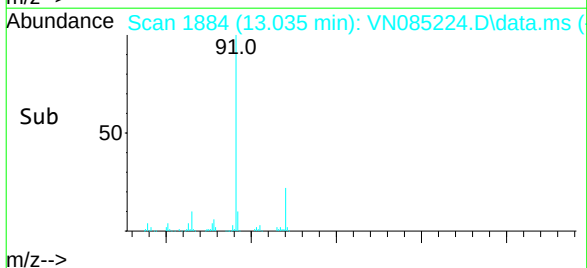
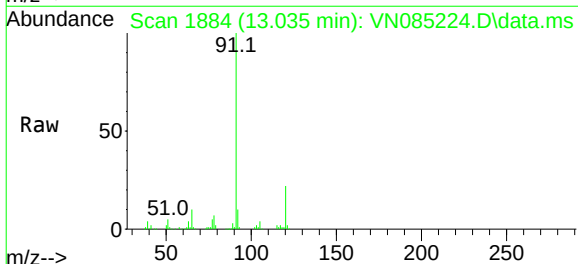
Acq: 17 Dec 2024 15:08

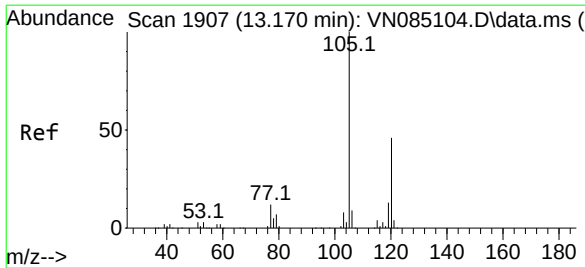
Tgt Ion: 91 Resp: 197124

Ion Ratio Lower Upper

91 100

120 21.9 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 9.062 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085224.D

Acq: 17 Dec 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212DL

Tgt Ion:105 Resp: 53496

Ion Ratio Lower Upper

105 100

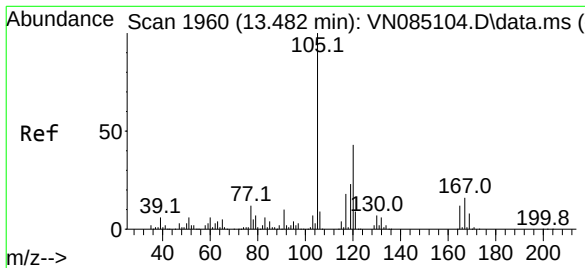
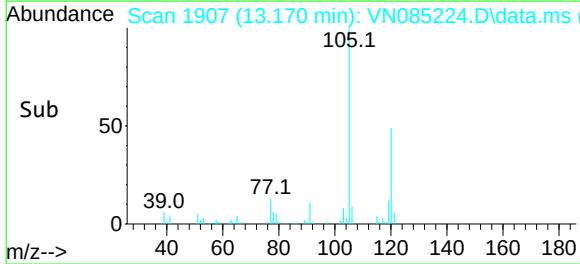
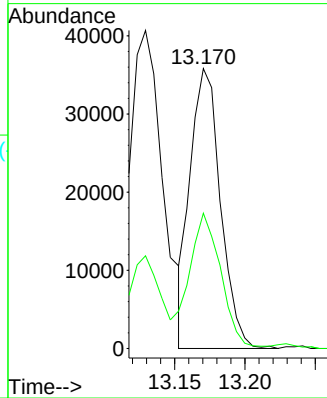
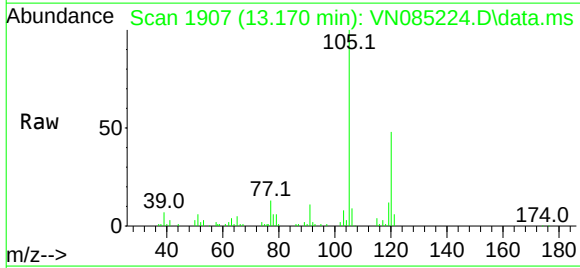
120 49.3 23.6 71.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



#84

1,2,4-Trimethylbenzene

Concen: 86.762 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085224.D

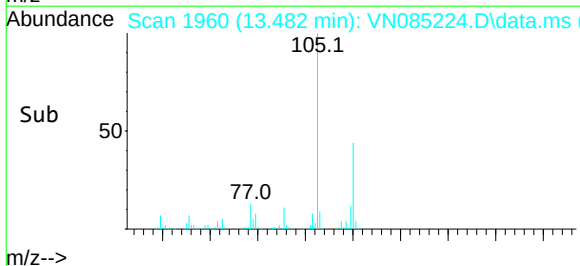
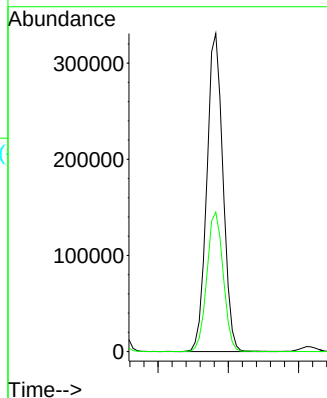
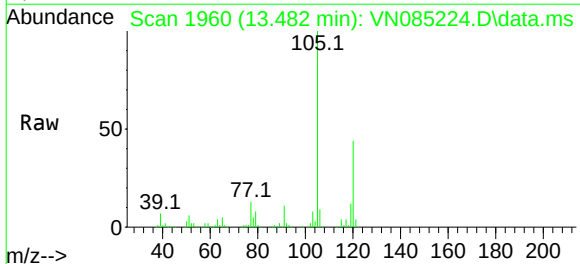
Acq: 17 Dec 2024 15:08

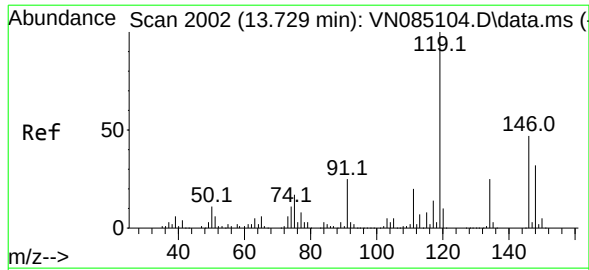
Tgt Ion:105 Resp: 527246

Ion Ratio Lower Upper

105 100

120 44.3 21.8 65.4





#86

p-Isopropyltoluene

Concen: 2.210 ug/l m

RT: 13.729 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN085224.D

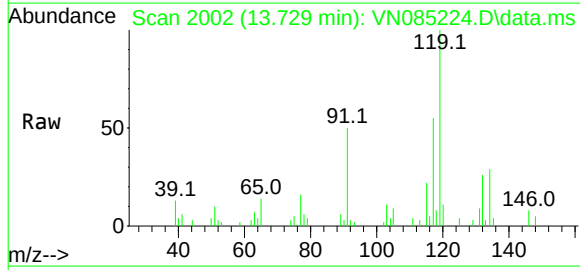
Acq: 17 Dec 2024 15:08

Instrument :

MSVOA_N

ClientSampleId :

MW12-20241212DL



Tgt Ion:119 Resp: 12521

Ion Ratio Lower Upper

119 100

134 61.0 13.0 39.0#

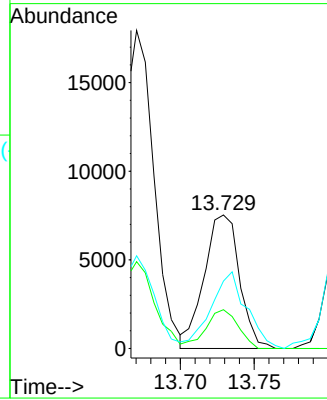
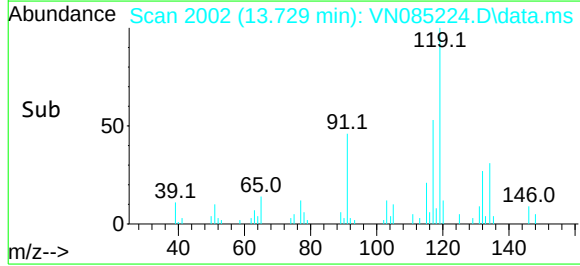
91 59.8 12.8 38.4#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024

Supervised By :Semsettin Yesilyurt 12/18/2024



Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/12/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24	
Client Sample ID:	MW14-20241212		SDG No.:	P5270	
Lab Sample ID:	P5270-08		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
VN085225.D	1		12/17/24 15:32	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	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	15.5		0.19	1.00	ug/L
71-43-2	Benzene	0.98	J	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	0.80	J	0.18	1.00	ug/L

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/13/24
Client Sample ID:	MW14-20241212			SDG No.:	P5270
Lab Sample ID:	P5270-08			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
VN085225.D	1		12/17/24 15:32	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	17.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	1.70	J	0.31	2.00	ug/L
95-47-6	o-Xylene	6.90		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	110	E	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	45.9		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	48.3		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	8.224			
540-36-3	1,4-Difluorobenzene	259000	9.1			
3114-55-4	Chlorobenzene-d5	225000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.794			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/13/24
Client Sample ID:	MW14-20241212	SDG No.:	P5270
Lab Sample ID:	P5270-08	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
VN085225.D	1		12/17/24 15:32	VN121724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
103-65-1	n-propylbenzene	99.2	J		13.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	28.4	J		13.2	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	34.7	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	750	J		13.5	ug/L
99-87-6	p-Isopropyltoluene	22.1	J		13.7	ug/L
000496-11-7	Indane	88.0	J		14.0	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	44.2	J		14.4	ug/L
003454-07-7	Benzene, 1-ethenyl-4-ethyl-	24.6	J		14.9	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	29.8	J		15.0	ug/L
002177-47-1	2-Methylindene	22.3	J		15.1	ug/L
022433-39-2	Benzene,1-methyl-1,2-propadienyl-	85.5	J		15.2	ug/L
000612-17-9	1,4-Dihydronaphthalene	17.9	J		15.3	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 : VN085225.D
 Acq On : 17 Dec 2024 15:32
 Operator : JC\MD
 Sample : P5270-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW14-20241212

Manual Integrations
 APPROVED

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

Quant Time: Dec 18 00:27:03 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	152662	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	258754	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	225161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	102812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	99846	45.915	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.840%		
35) Dibromofluoromethane	8.165	113	83826	48.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.080%		
50) Toluene-d8	10.565	98	302057	48.302	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.600%		
62) 4-Bromofluorobenzene	12.847	95	121603	51.998	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.000%		
Target Compounds						
						Qvalue
39) Methylcyclohexane	9.600	83	38049	15.492	ug/l	100
40) Benzene	8.606	78	7345	0.983	ug/l #	88
52) Toluene	10.629	92	3518	0.795	ug/l	96
67) Ethyl Benzene	11.965	91	146799	17.720	ug/l	99
68) m/p-Xylenes	12.076	106	5333	1.691	ug/l	99
69) o-Xylene	12.394	106	20739	6.912	ug/l	96
73) Isopropylbenzene	12.694	105	787738	108.608	ug/l	100
78) n-propylbenzene	13.035	91	829711	99.180	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	172710	28.377	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	4715449	752.680	ug/l	100
86) p-Isopropyltoluene	13.729	119	129107m	22.109	ug/l	

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

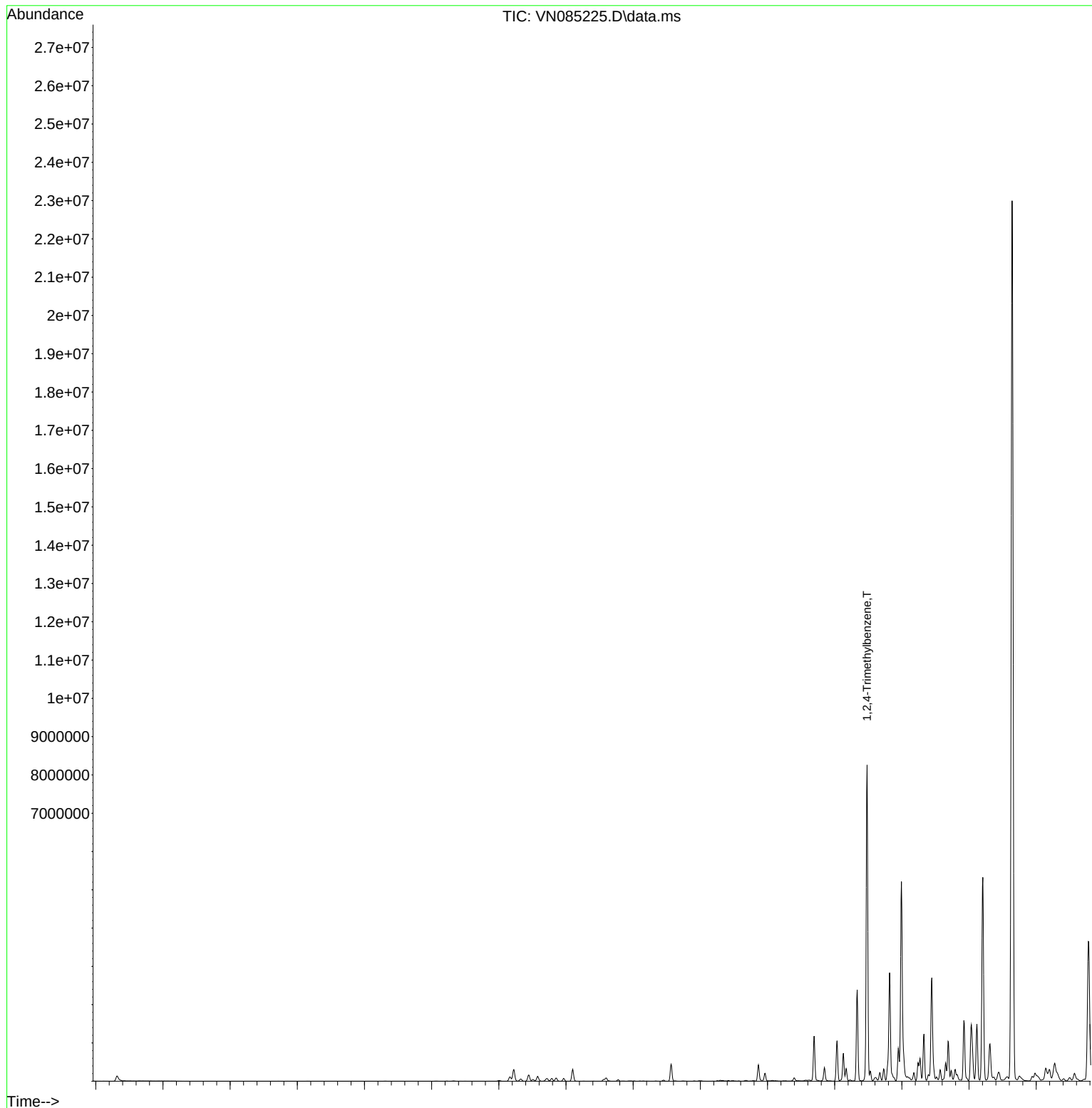
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

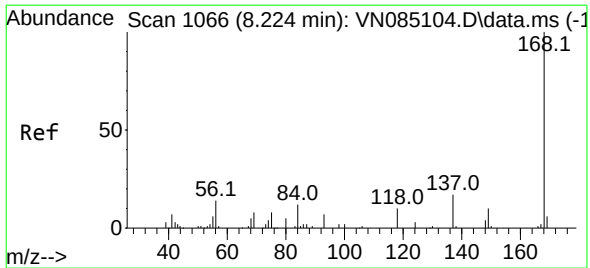
Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

Manual Integrations
APPROVED

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

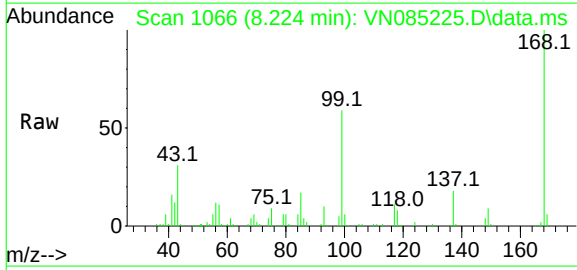
Quant Time: Dec 18 00:27:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085225.D
Acq: 17 Dec 2024 15:32

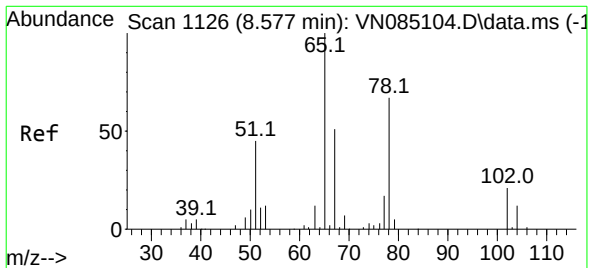
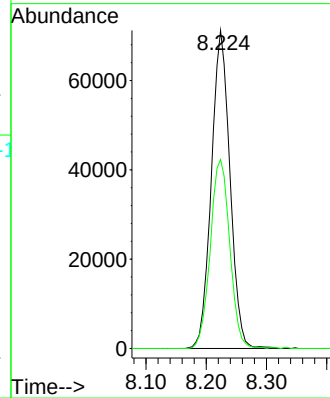
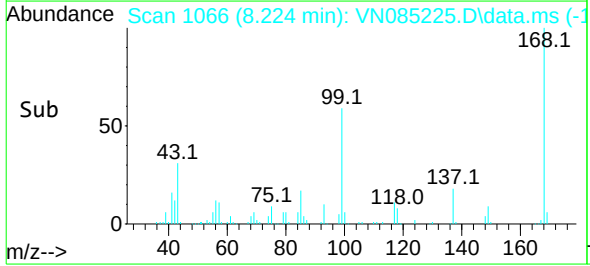
Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212



Tgt Ion: 168 Resp: 152662
Ion Ratio Lower Upper
168 100
99 59.4 51.2 76.8

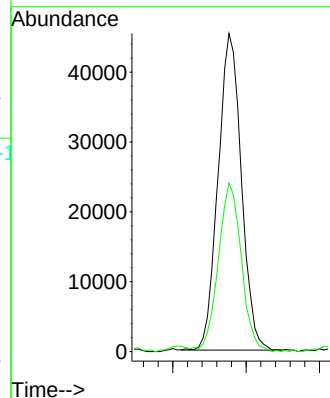
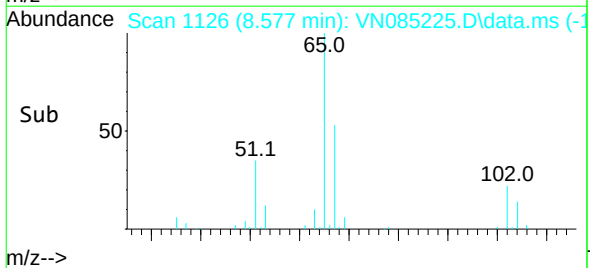
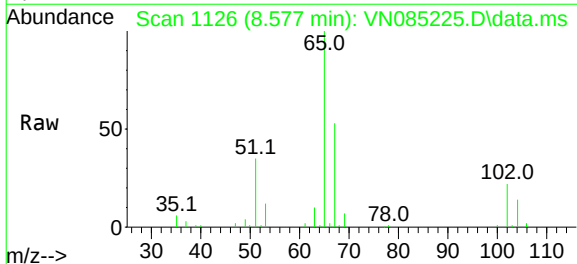
Manual Integrations
APPROVED

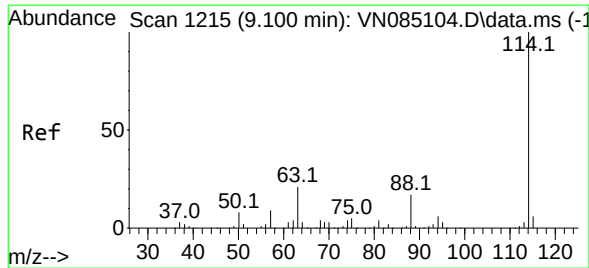
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#33
1,2-Dichloroethane-d4
Concen: 45.915 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085225.D
Acq: 17 Dec 2024 15:32

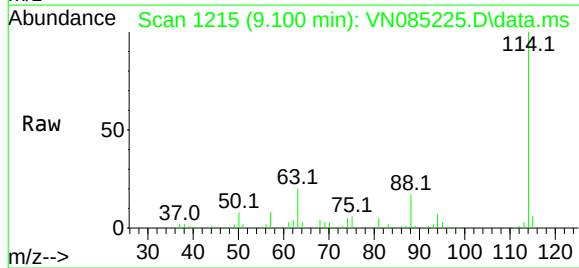
Tgt Ion: 65 Resp: 99846
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.006 min
Lab File: VN085225.D
Acq: 17 Dec 2024 15:32

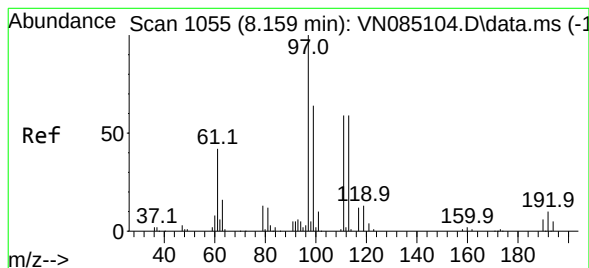
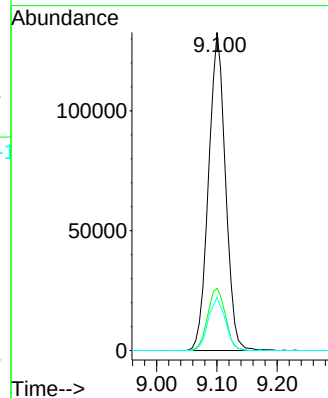
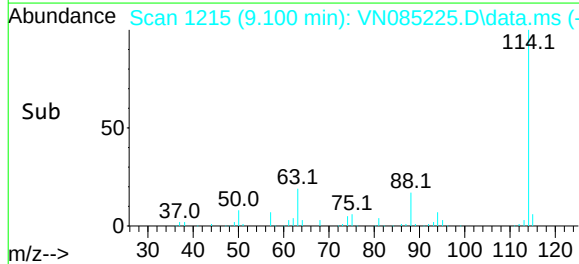
Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212



Tgt Ion:114 Resp: 258754
Ion Ratio Lower Upper
114 100
63 19.5 0.0 41.0
88 16.7 0.0 34.8

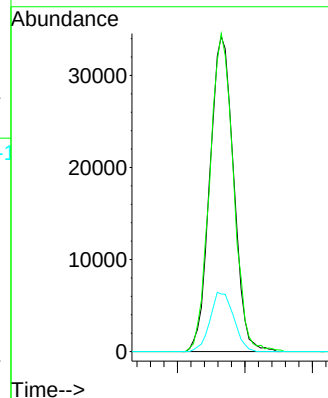
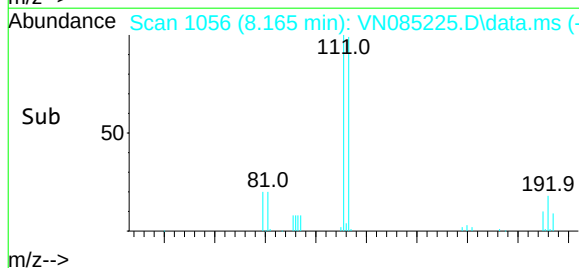
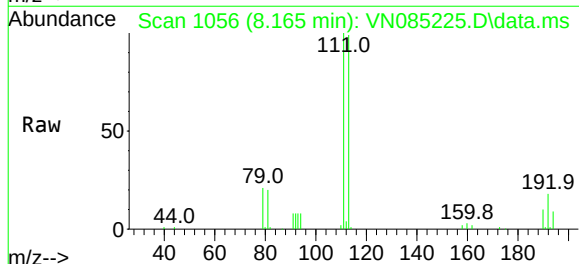
Manual Integrations
APPROVED

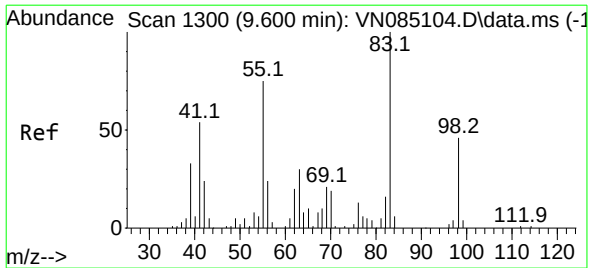
Reviewed By :Mahesh Dadoda 12/18/2024
Supervised By :Semsettin Yesilyurt 12/18/2024



#35
Dibromofluoromethane
Concen: 48.039 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085225.D
Acq: 17 Dec 2024 15:32

Tgt Ion:113 Resp: 83826
Ion Ratio Lower Upper
113 100
111 100.6 82.0 123.0
192 18.7 14.8 22.2





#39

Methylcyclohexane

Concen: 15.492 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.006 min

Lab File: VN085225.D

Acq: 17 Dec 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

MW14-20241212

Tgt Ion: 83 Resp: 38049

Ion Ratio Lower Upper

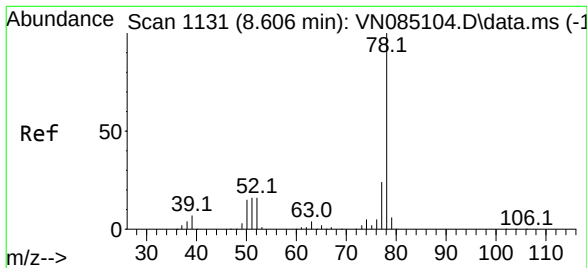
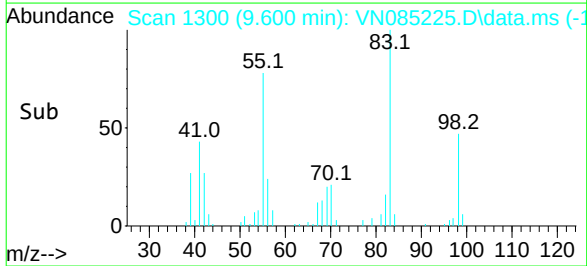
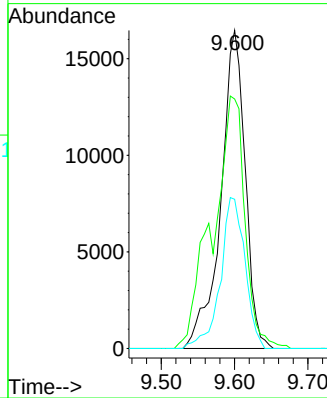
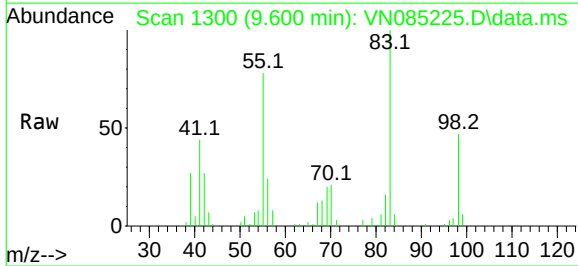
83 100

55 77.2 61.8 92.6

98 46.9 37.0 55.6

Manual Integrations

APPROVED

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

#40

Benzene

Concen: 0.983 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN085225.D

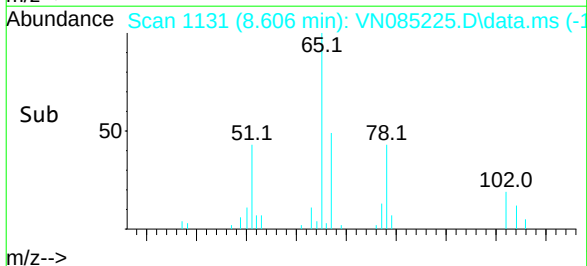
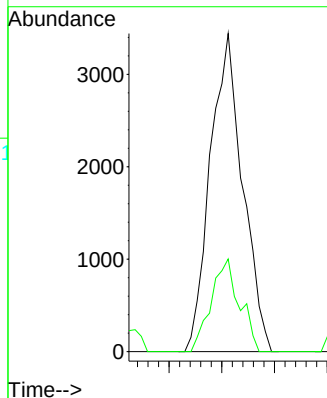
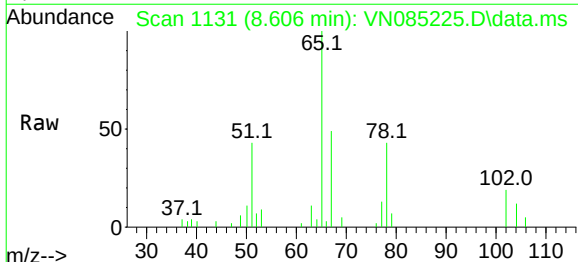
Acq: 17 Dec 2024 15:32

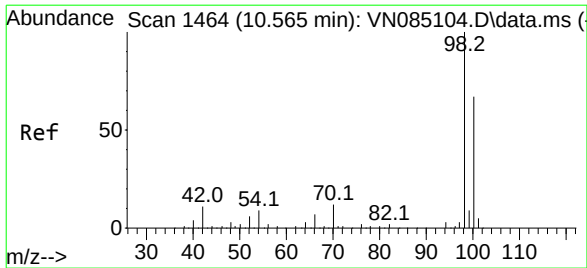
Tgt Ion: 78 Resp: 7345

Ion Ratio Lower Upper

78 100

77 29.1 18.5 27.7#





#50

Toluene-d8

Concen: 48.302 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085225.D

Acq: 17 Dec 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

MW14-20241212

Tgt Ion: 98 Resp: 302057

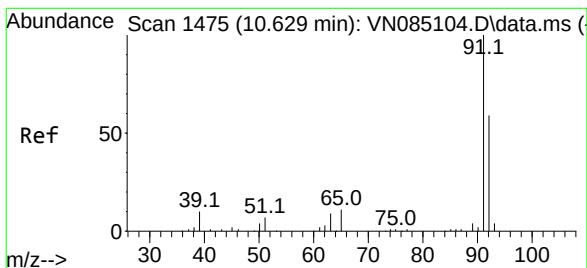
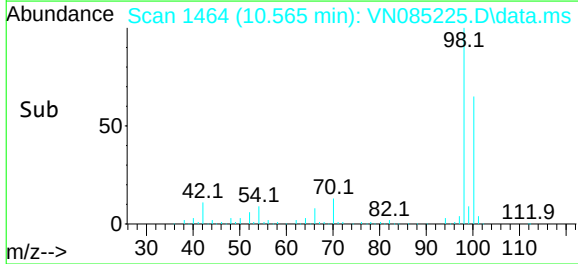
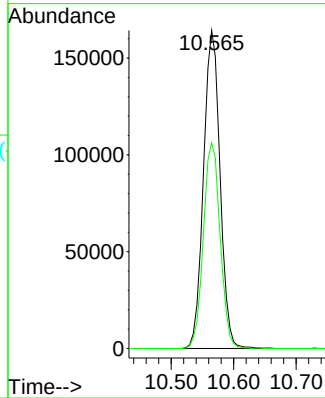
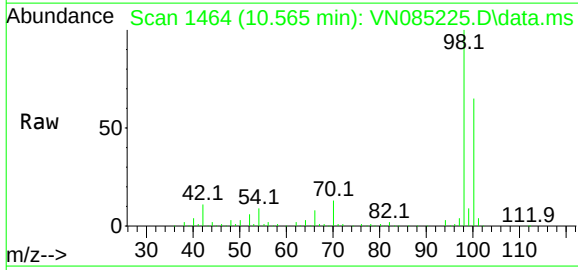
Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

Manual Integrations

APPROVED

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

#52

Toluene

Concen: 0.795 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.006 min

Lab File: VN085225.D

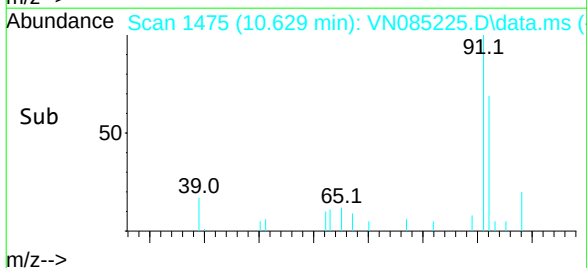
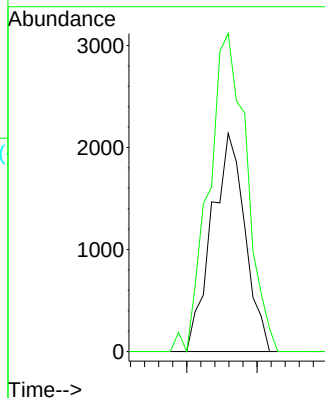
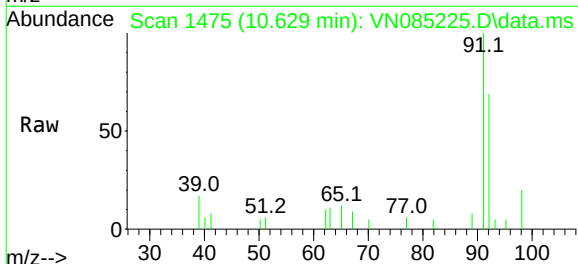
Acq: 17 Dec 2024 15:32

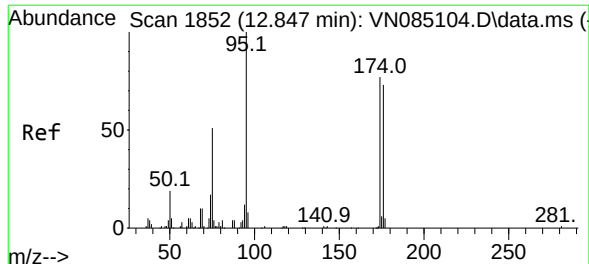
Tgt Ion: 92 Resp: 3518

Ion Ratio Lower Upper

92 100

91 165.7 136.7 205.1





#62

4-Bromofluorobenzene

Concen: 51.998 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN085225.D

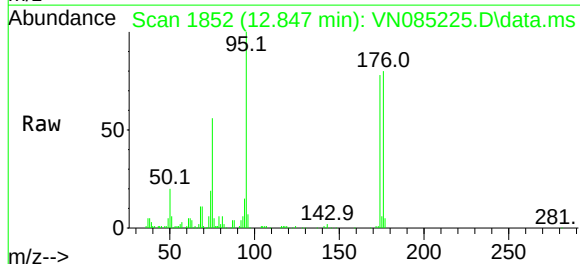
Acq: 17 Dec 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

MW14-20241212



Tgt Ion: 95 Resp: 121603

Ion Ratio Lower Upper

95 100

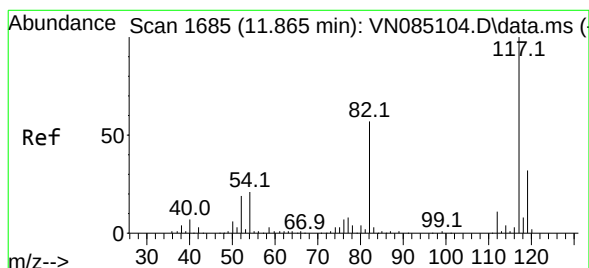
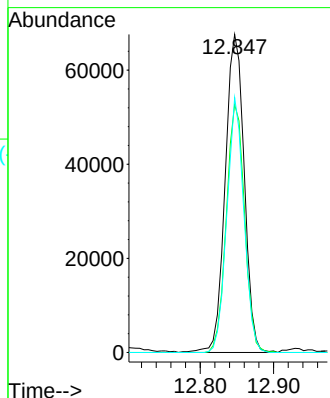
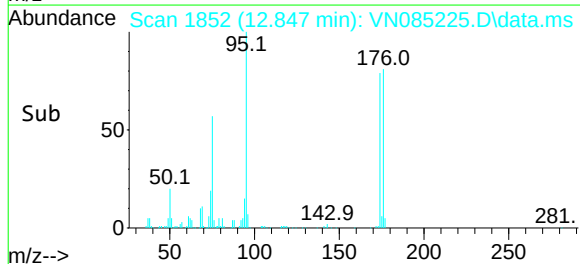
174 74.6 0.0 146.6

176 71.7 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: VN085225.D

Acq: 17 Dec 2024 15:32

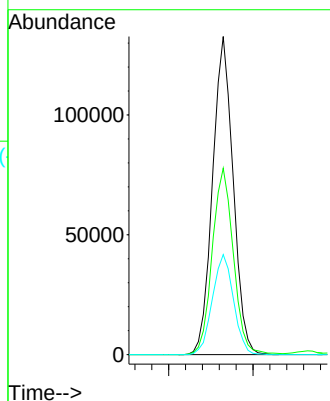
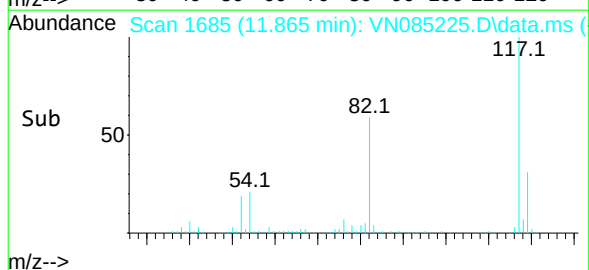
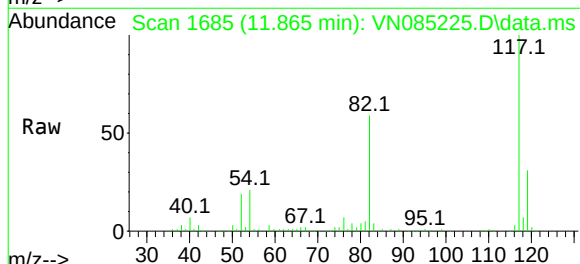
Tgt Ion:117 Resp: 225161

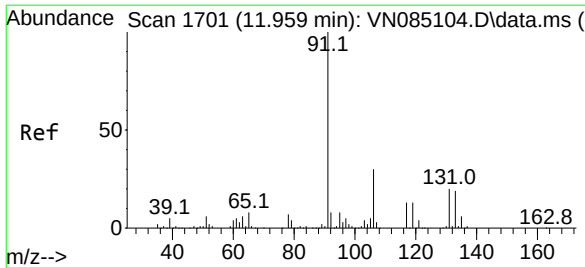
Ion Ratio Lower Upper

117 100

82 58.6 46.0 69.0

119 31.4 25.6 38.4





#67

Ethyl Benzene

Concen: 17.720 ug/l

RT: 11.965 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VN085225.D

Acq: 17 Dec 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

MW14-20241212

Tgt Ion: 91 Resp: 146799

Ion Ratio Lower Upper

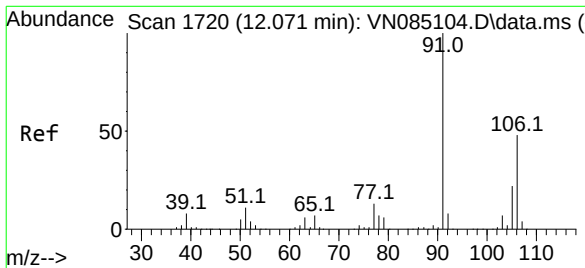
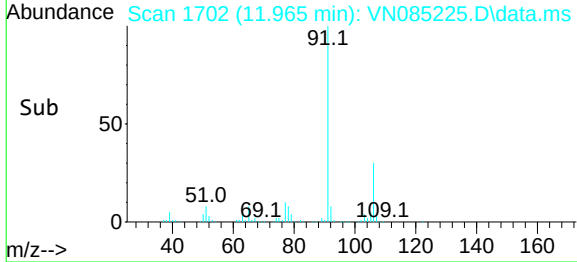
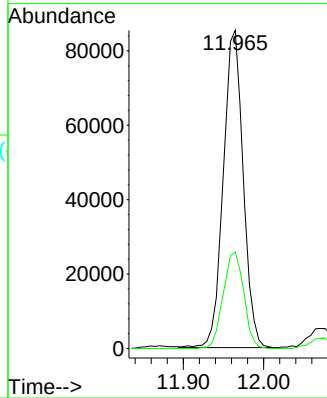
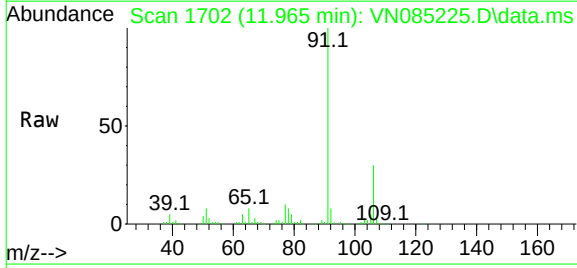
91 100

106 30.4 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: 1.691 ug/l

RT: 12.076 min Scan# 1721

Delta R.T. 0.006 min

Lab File: VN085225.D

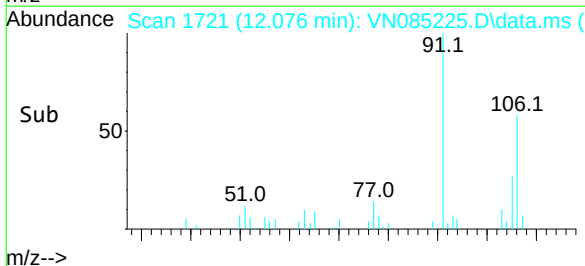
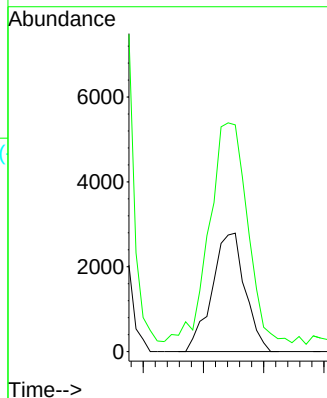
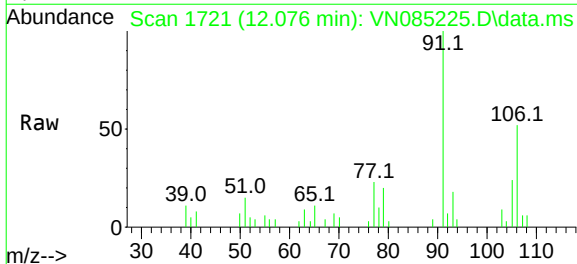
Acq: 17 Dec 2024 15:32

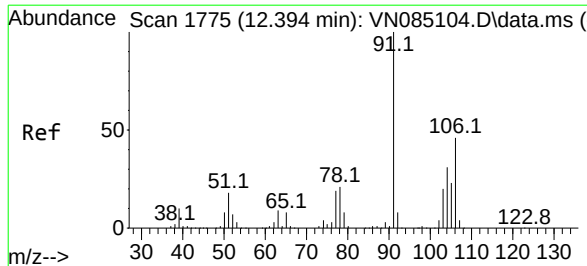
Tgt Ion:106 Resp: 5333

Ion Ratio Lower Upper

106 100

91 212.1 168.0 252.0





#69

o-Xylene

Concen: 6.912 ug/l

RT: 12.394 min Scan# 17

Delta R.T. -0.000 min

Lab File: VN085225.D

Acq: 17 Dec 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

MW14-20241212

Tgt Ion:106 Resp: 20739

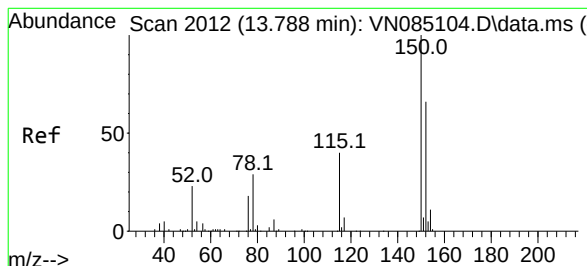
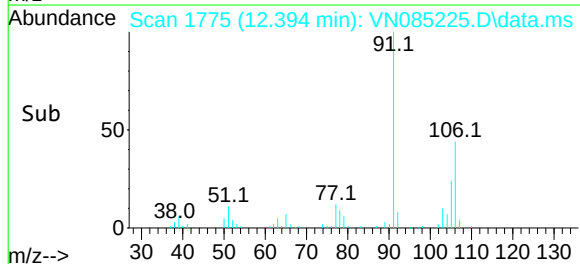
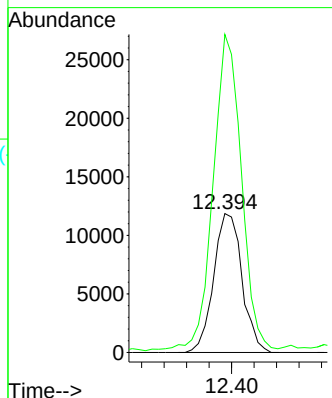
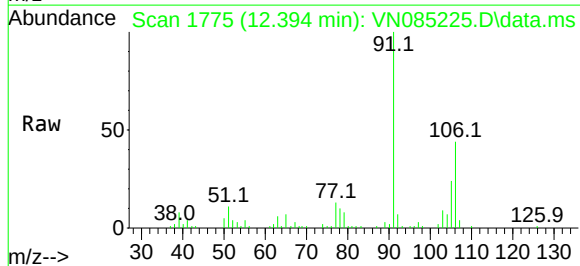
Ion Ratio Lower Upper

106 100

91 228.0 110.7 331.9

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: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN085225.D

Acq: 17 Dec 2024 15:32

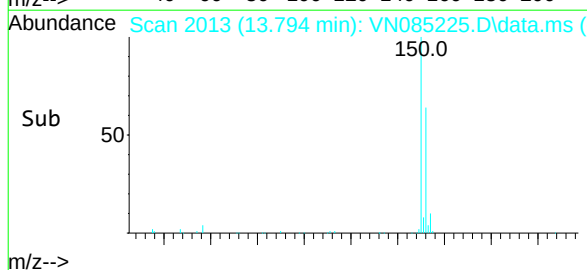
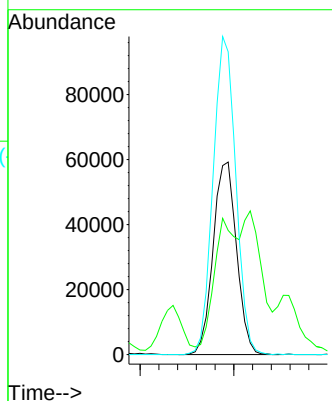
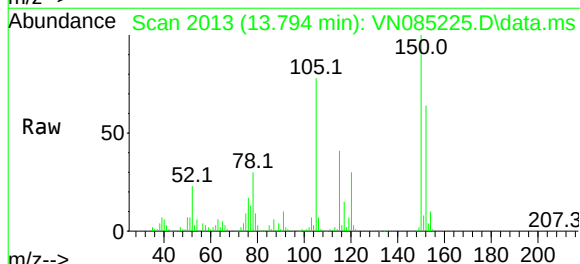
Tgt Ion:152 Resp: 102812

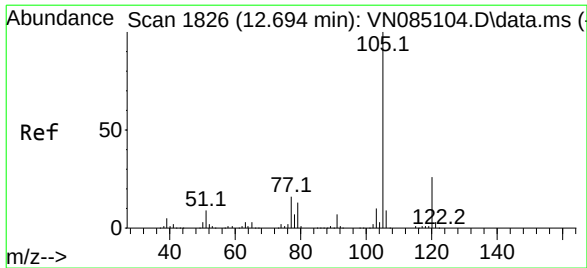
Ion Ratio Lower Upper

152 100

115 66.8 31.7 95.1

150 160.1 0.0 351.4





#73

Isopropylbenzene

Concen: 108.608 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN085225.D

Acq: 17 Dec 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

MW14-20241212

Tgt Ion:105 Resp: 787738

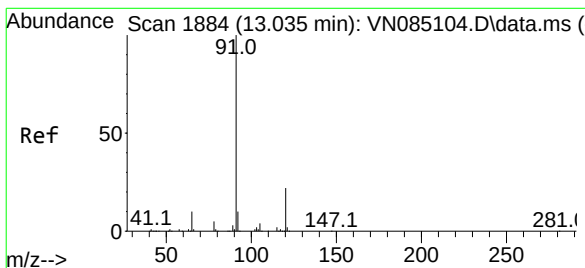
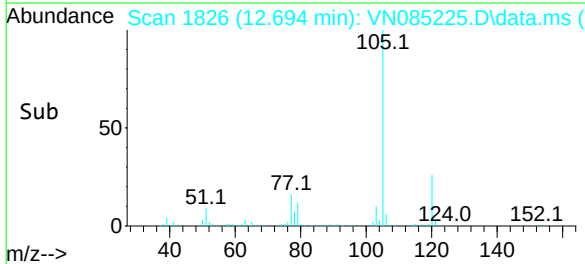
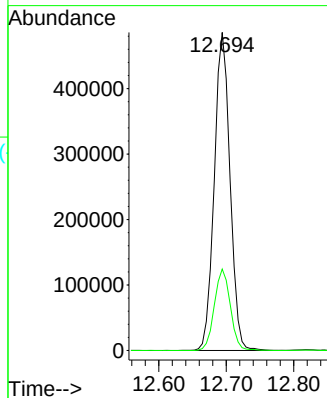
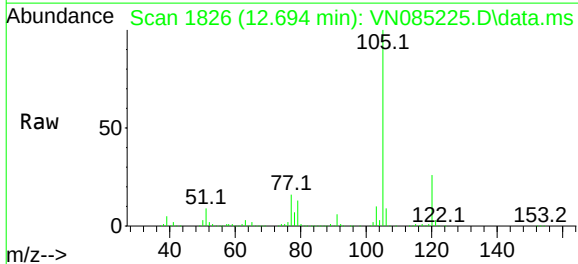
Ion Ratio Lower Upper

105 100

120 26.0 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: 99.180 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN085225.D

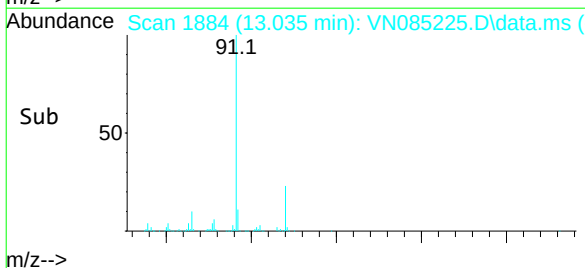
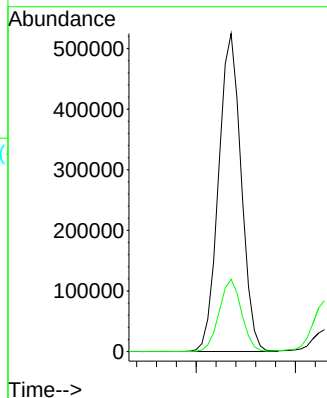
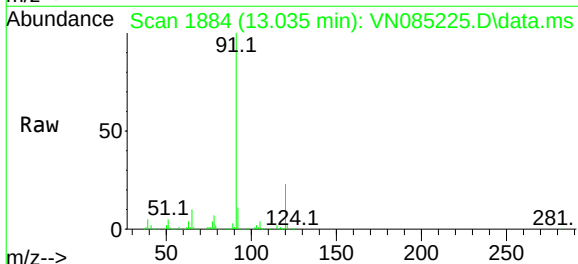
Acq: 17 Dec 2024 15:32

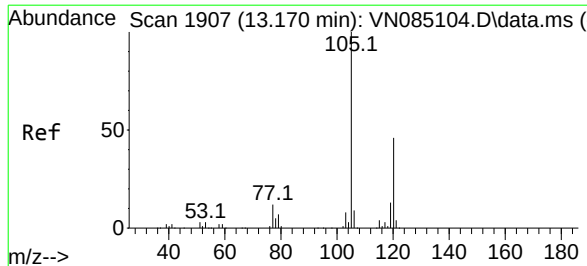
Tgt Ion: 91 Resp: 829711

Ion Ratio Lower Upper

91 100

120 22.5 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 28.377 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN085225.D

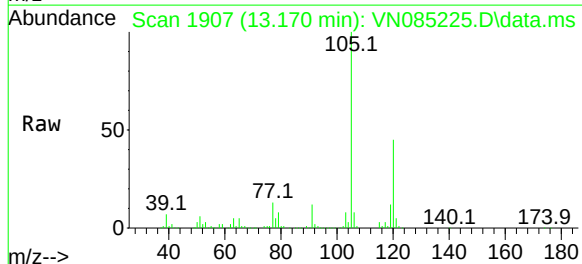
Acq: 17 Dec 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

MW14-20241212



Tgt Ion:105 Resp: 172710

Ion Ratio Lower Upper

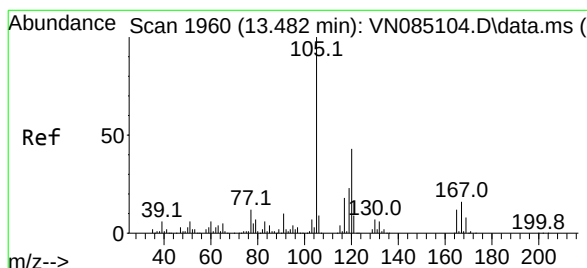
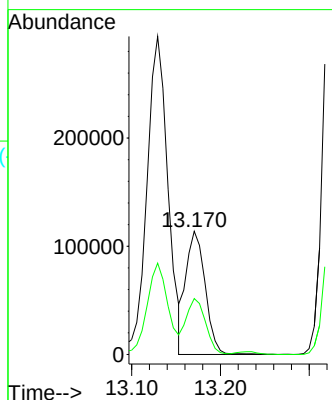
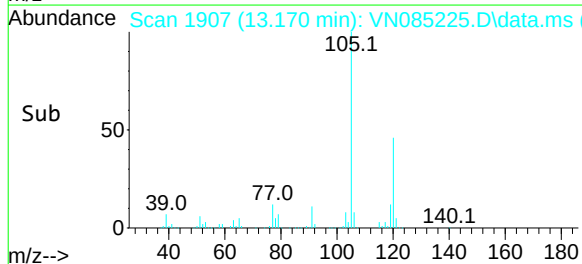
105 100

120 44.7 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

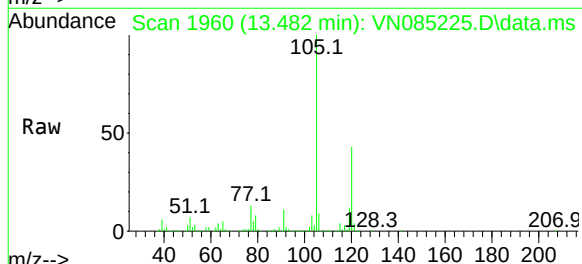
Concen: 752.680 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.006 min

Lab File: VN085225.D

Acq: 17 Dec 2024 15:32

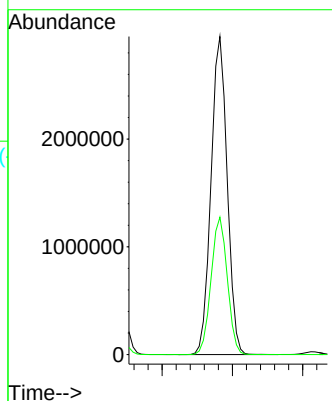
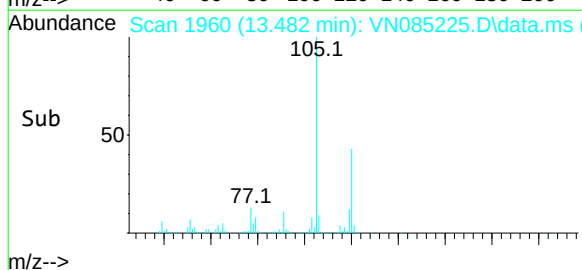


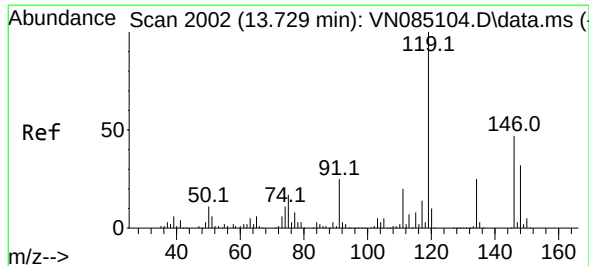
Tgt Ion:105 Resp: 4715449

Ion Ratio Lower Upper

105 100

120 43.4 21.8 65.4





#86

p-Isopropyltoluene

Concen: 22.109 ug/l m

RT: 13.729 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN085225.D

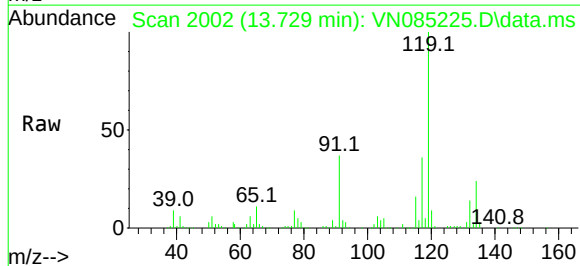
Acq: 17 Dec 2024 15:32

Instrument :

MSVOA_N

ClientSampleId :

MW14-20241212

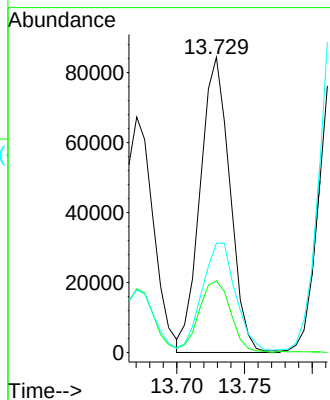
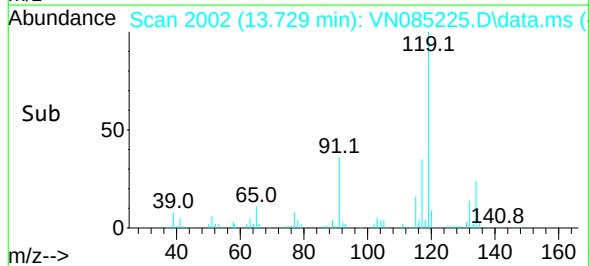


Tgt Ion	Ratio	Lower	Upper
119	100		
134	22.7	13.0	39.0
91	20.2	12.8	38.4

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 : VN085225.D
 Acq On : 17 Dec 2024 15:32
 Operator : JC\MD
 Sample : P5270-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW14-20241212

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: VN085225.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.224	1060	1066	1076	rVB2	302087	678119	1.46%	0.514%
2	9.100	1206	1215	1224	rBV	312173	618649	1.34%	0.469%
3	10.565	1455	1464	1473	rBV	444123	829553	1.79%	0.629%
4	11.865	1678	1685	1695	rBV	421224	772655	1.67%	0.586%
5	12.694	1819	1826	1841	rVB	1171626	1957771	4.23%	1.484%
6	12.847	1842	1852	1862	rVB	350338	620865	1.34%	0.471%
7	13.035	1876	1884	1890	rBV	1052754	1677404	3.62%	1.271%
8	13.129	1890	1900	1904	rVV	720042	1200096	2.59%	0.910%
9	13.170	1904	1907	1913	rVB	316464	473125	1.02%	0.359%
10	13.335	1927	1935	1943	rBV	2378408	3846513	8.31%	2.915%
11	13.482	1948	1960	1966	rBV	8247211	13401384	28.94%	10.157%
12	13.729	1997	2002	2007	rBV2	292755	466373	1.01%	0.353%
13	13.817	2007	2017	2033	rVB	2821177	5548884	11.98%	4.206%
14	13.947	2033	2039	2042	rBV	847093	1430394	3.09%	1.084%
15	13.994	2042	2047	2060	rVB	5111994	9769413	21.10%	7.404%
16	14.241	2084	2089	2091	rBV	462408	711693	1.54%	0.539%
17	14.270	2091	2094	2098	rVV	557643	853573	1.84%	0.647%
18	14.329	2098	2104	2110	rVB	1207941	1933331	4.17%	1.465%
19	14.447	2117	2124	2133	rVB	2638107	4899937	10.58%	3.714%
20	14.653	2150	2159	2161	rBV	451512	706024	1.52%	0.535%
21	14.688	2161	2165	2170	rVV	938294	1439480	3.11%	1.091%
22	14.794	2178	2183	2187	rBV2	256472	471387	1.02%	0.357%
23	14.923	2199	2205	2217	rVB	1569471	2729975	5.90%	2.069%
24	15.035	2217	2224	2232	rBV3	1460089	3303099	7.13%	2.503%
25	15.117	2232	2238	2245	rVB	1459428	2475820	5.35%	1.876%
26	15.206	2245	2253	2261	rBV	5294707	9491723	20.50%	7.194%
27	15.311	2261	2271	2278	rBV	946382	1982966	4.28%	1.503%
28	15.441	2286	2293	2301	rVB3	207663	486949	1.05%	0.369%
29	15.641	2319	2327	2340	rVV2	22976395	46308206	100.00%	35.098%
30	15.982	2381	2385	2400	rVV	200675	740775	1.60%	0.561%
31	16.141	2400	2412	2417	rVV2	328278	864039	1.87%	0.655%
32	16.194	2418	2421	2427	rVV2	289891	611405	1.32%	0.463%
33	16.276	2427	2435	2452	rVB	450934	1637308	3.54%	1.241%
34	16.570	2478	2485	2501	rVB2	196678	553406	1.20%	0.419%
35	16.776	2512	2520	2522	rBV	3604067	6448657	13.93%	4.888%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

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

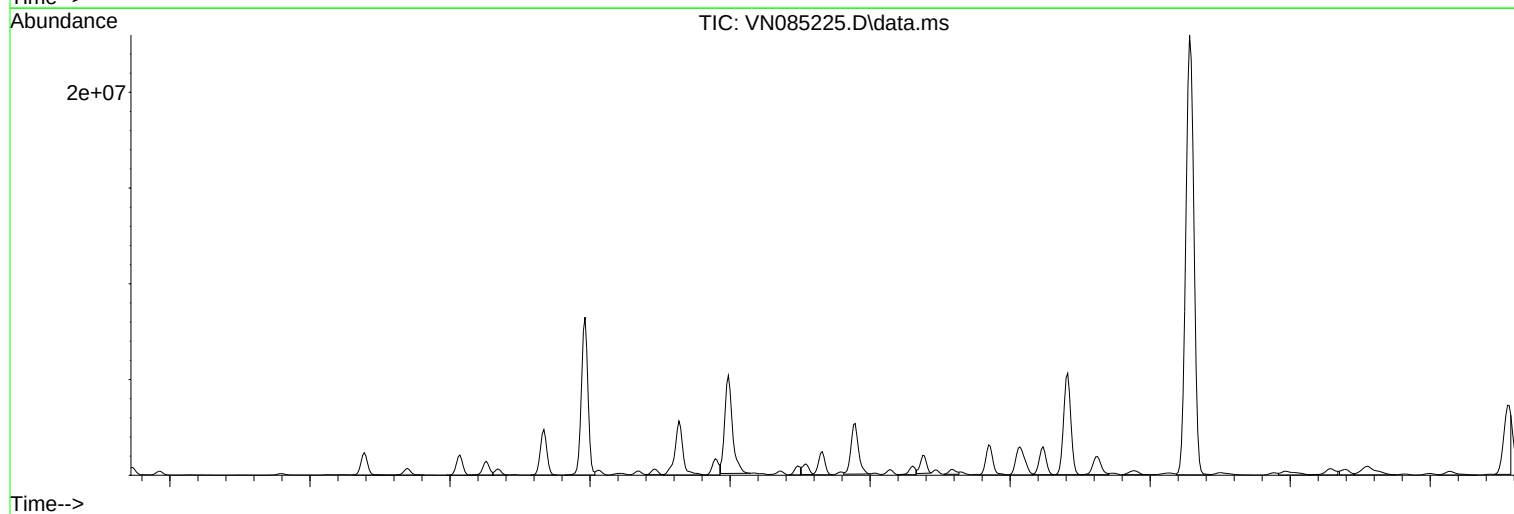
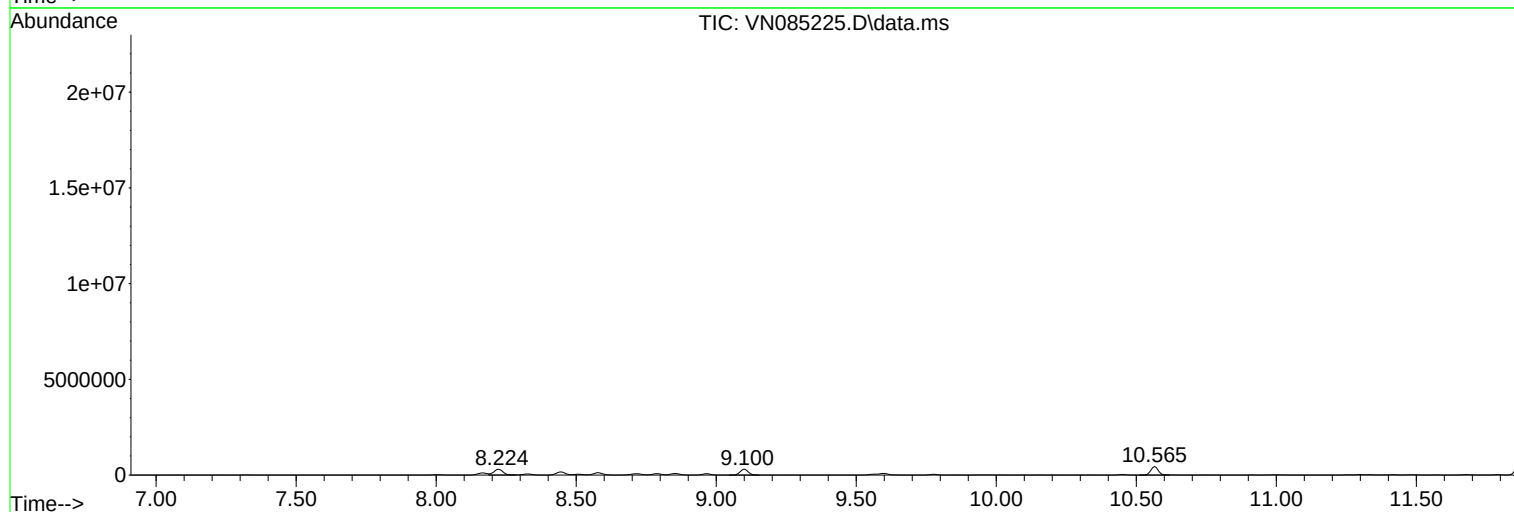
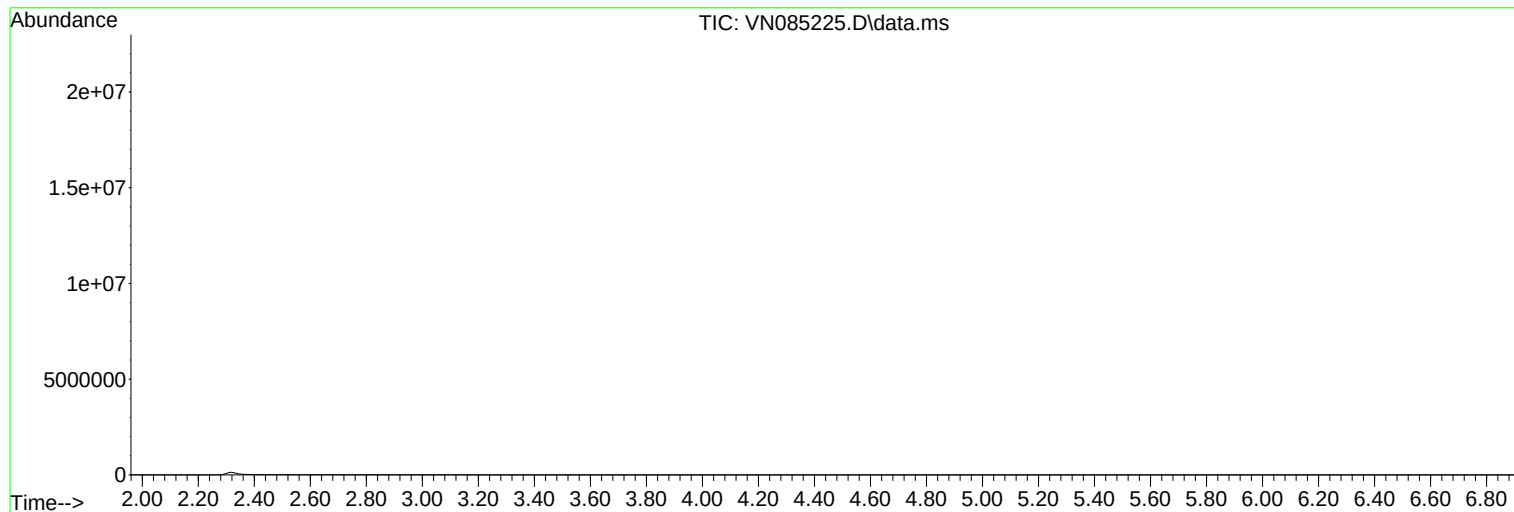
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

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 : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

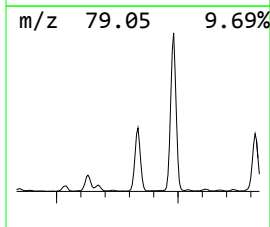
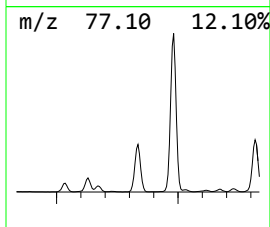
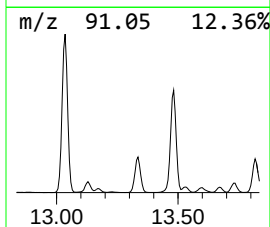
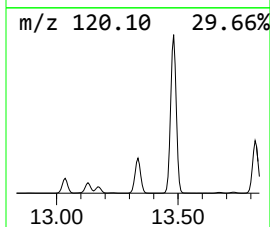
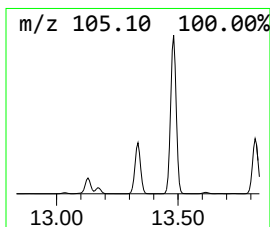
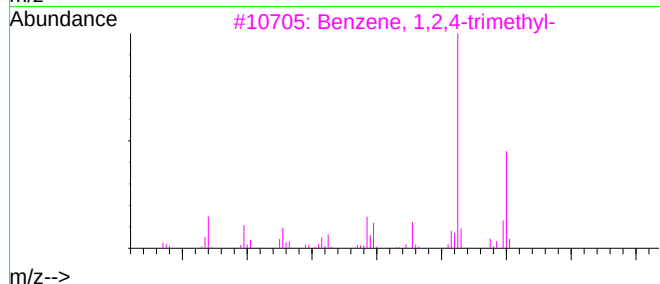
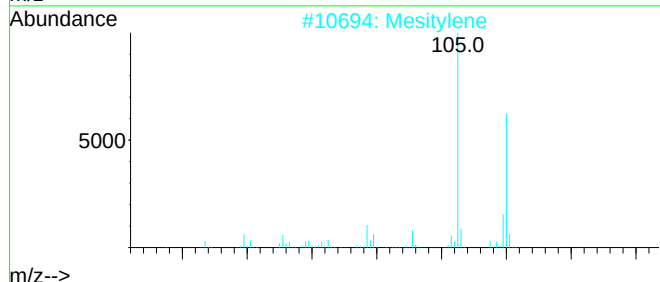
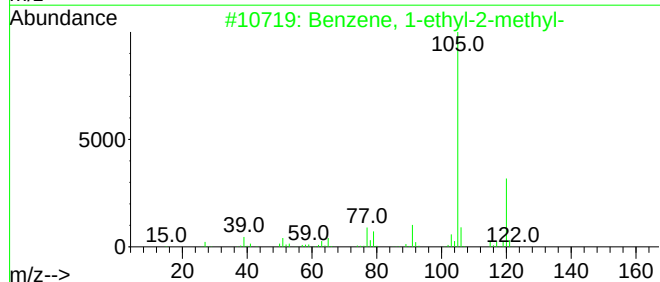
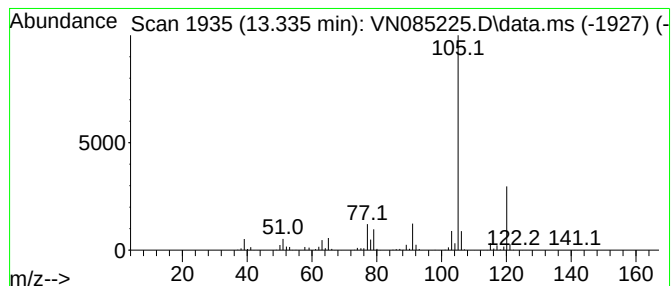
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.335	34.66 ug/l	3846510	1,4-Dichlorobenzene-d4	13.794

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

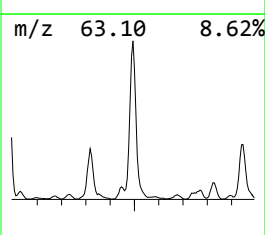
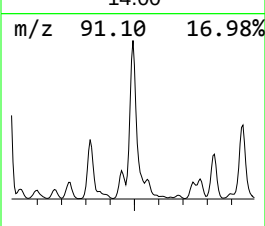
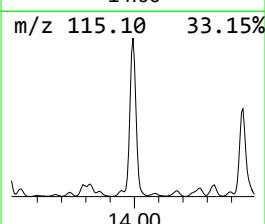
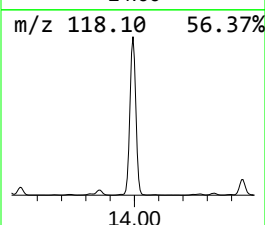
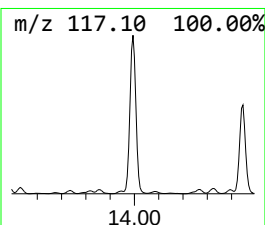
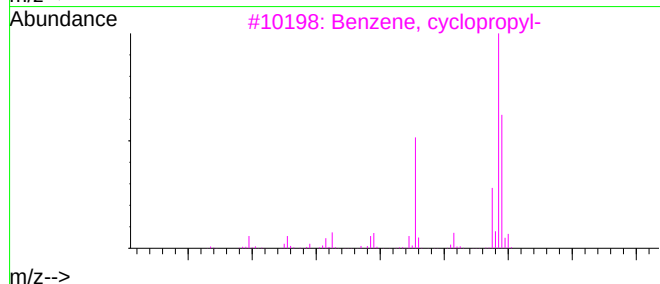
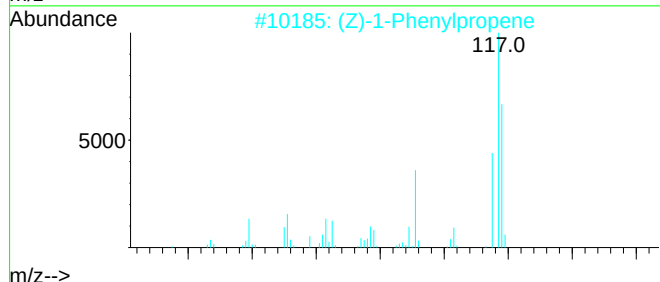
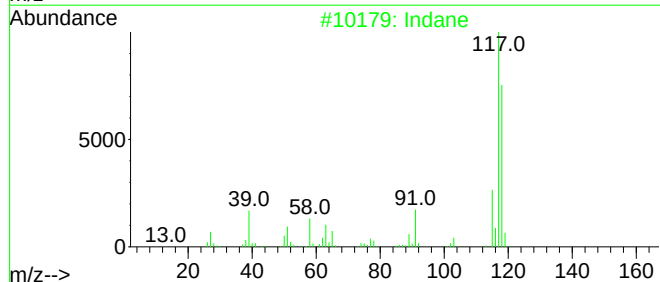
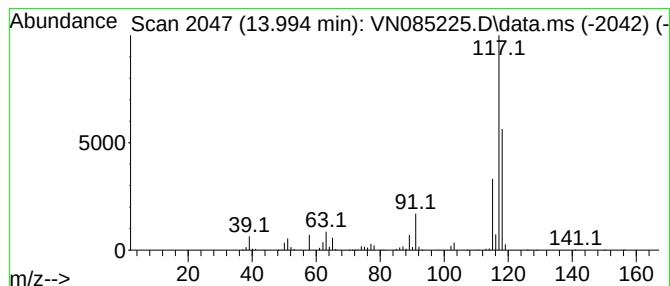
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Quant Title : SW846 8260

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

Peak Number 2 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.994	88.03 ug/l	9769410	1,4-Dichlorobenzene-d4	13.794

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	72
4	Benzene, 1-(chloromethyl)-3-ethe...	152	C9H9Cl	039833-65-3	59
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

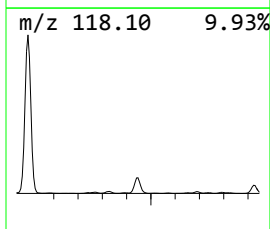
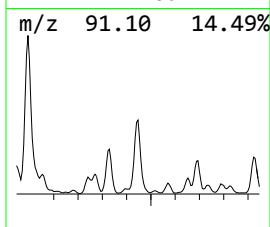
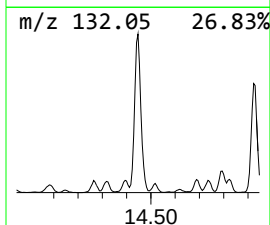
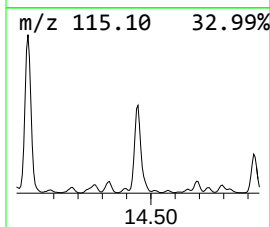
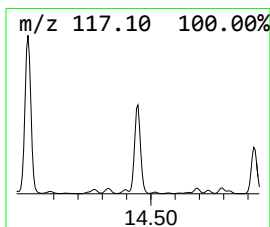
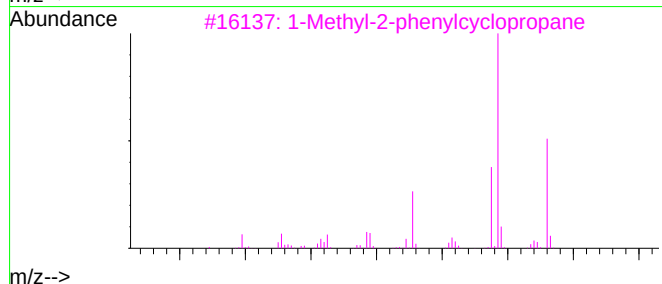
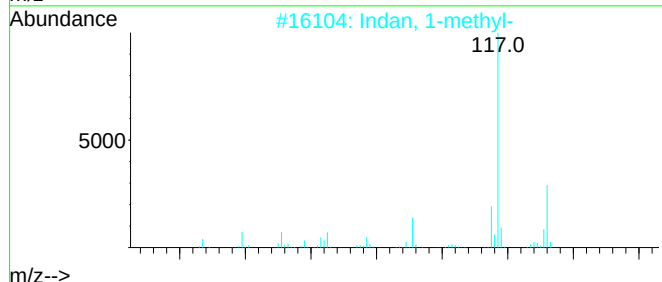
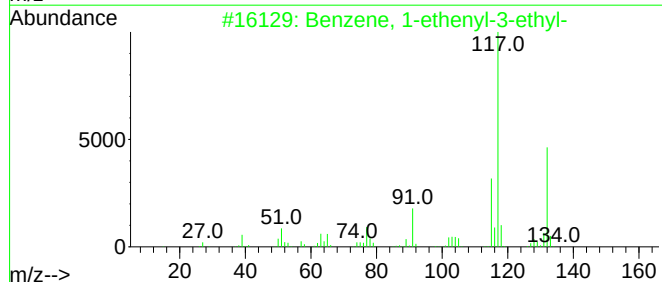
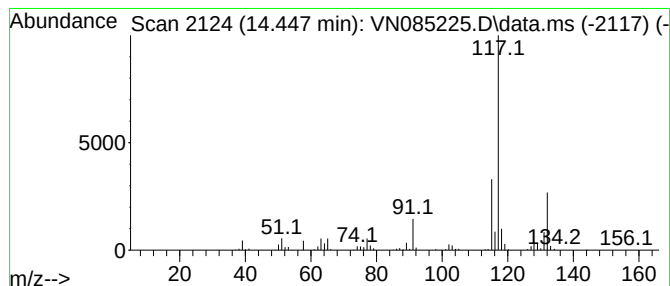
Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

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 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD			R.T.
14.447	44.15 ug/l	4899940	1,4-Dichlorobenzene-d4			13.794
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2		Indan, 1-methyl-	132	C10H12	000767-58-8	90
3		1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	86
4		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

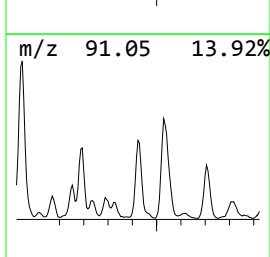
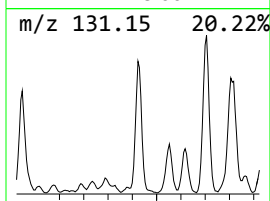
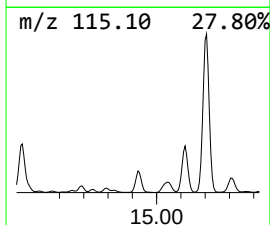
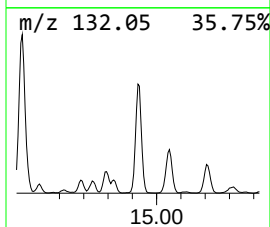
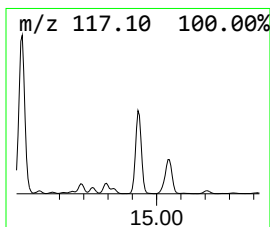
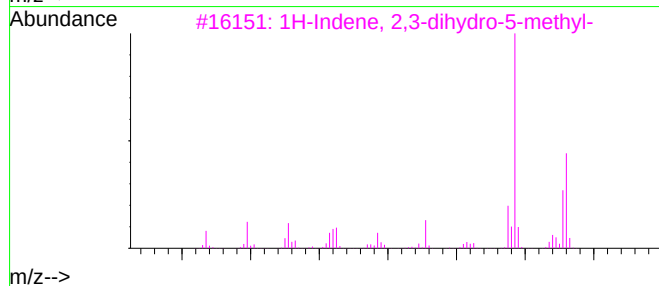
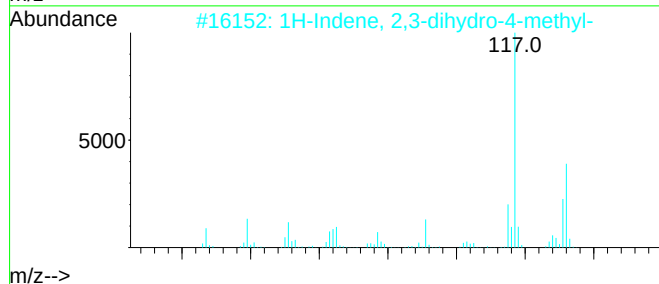
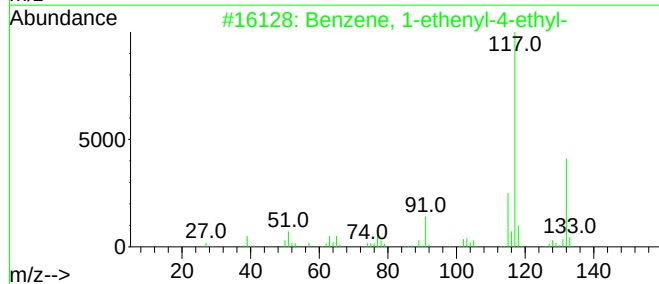
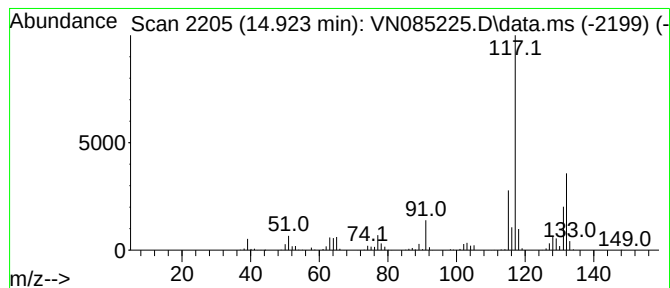
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Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.923	24.60 ug/l	2729980	1,4-Dichlorobenzene-d4		13.794	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-		132	C10H12	003454-07-7	94
2	1H-Indene, 2,3-dihydro-4-methyl-		132	C10H12	000824-22-6	93
3	1H-Indene, 2,3-dihydro-5-methyl-		132	C10H12	000874-35-1	92
4	Benzene, 2-ethenyl-1,4-dimethyl-		132	C10H12	002039-89-6	92
5	3-Phenylbut-1-ene		132	C10H12	000934-10-1	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

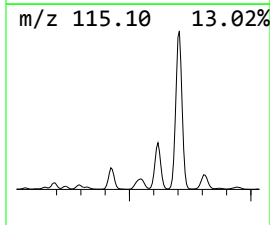
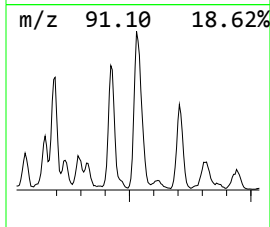
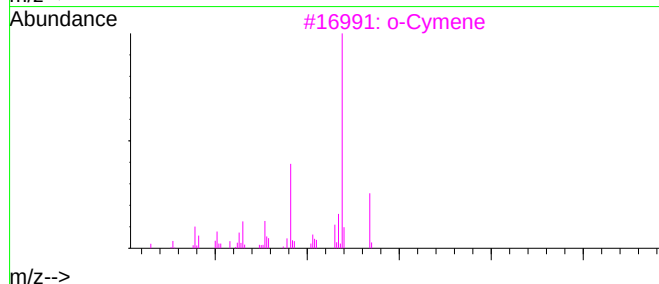
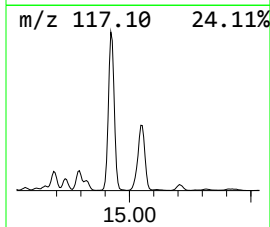
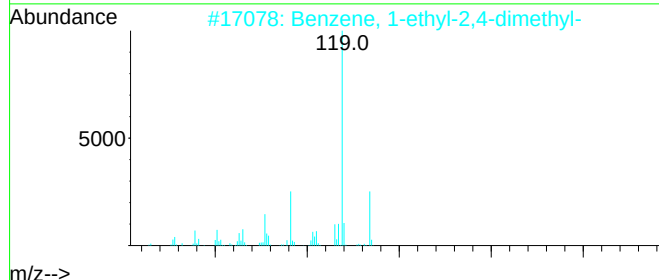
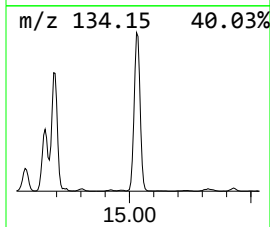
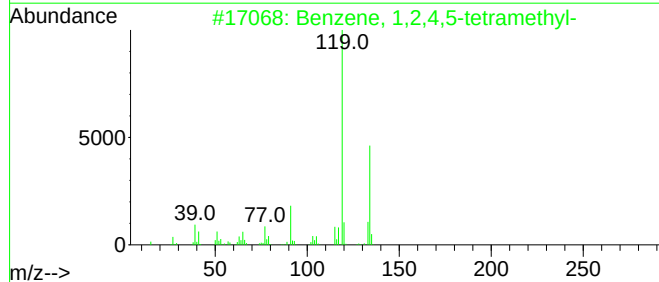
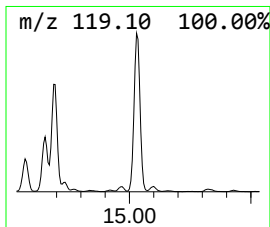
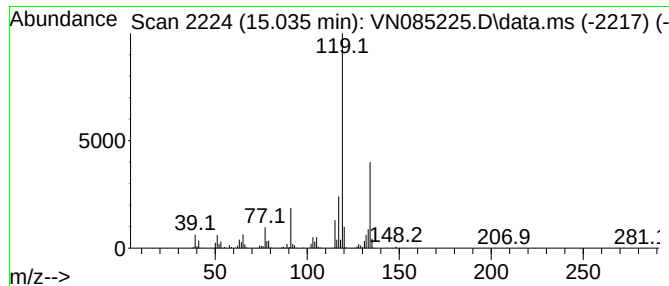
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.035	29.76 ug/l	3303100	1,4-Dichlorobenzene-d4	13.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3	o-Cymene	134	C10H14	000527-84-4	90
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

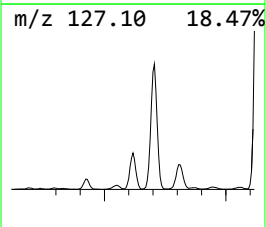
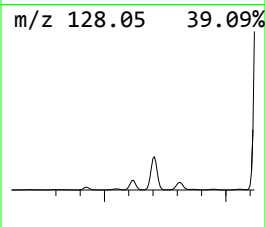
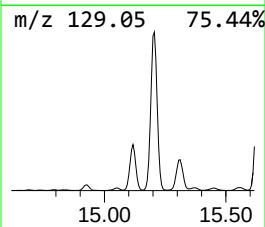
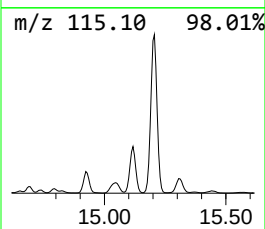
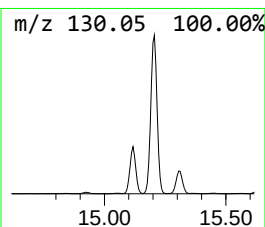
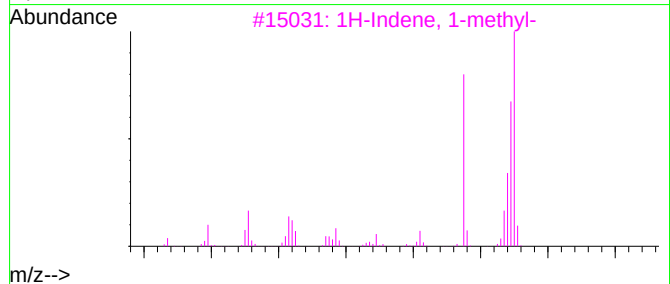
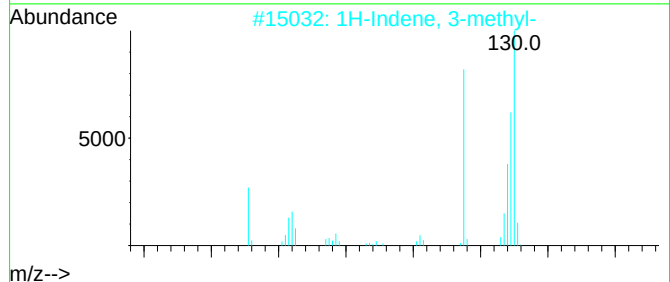
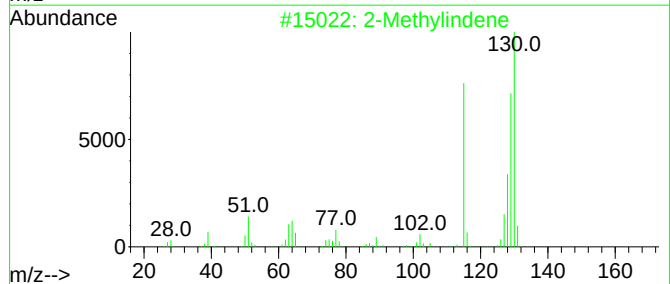
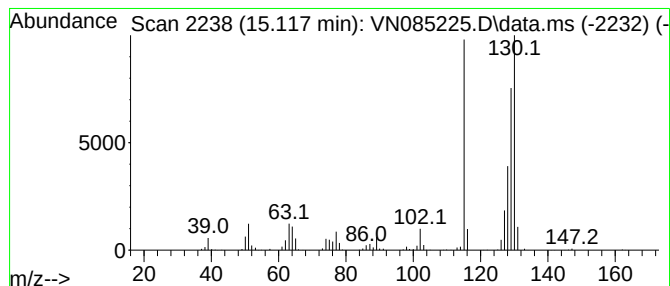
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 6 2-Methylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.117	22.31 ug/l	2475820	1,4-Dichlorobenzene-d4	13.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

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

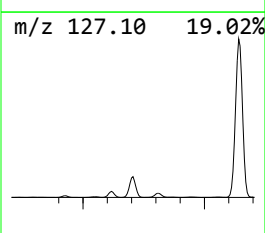
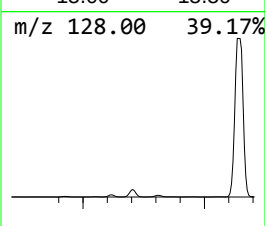
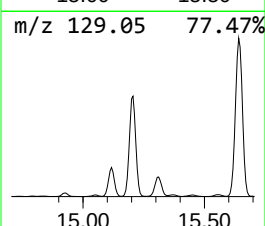
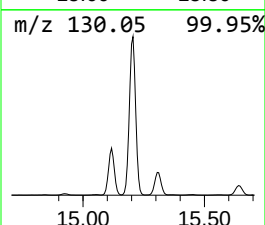
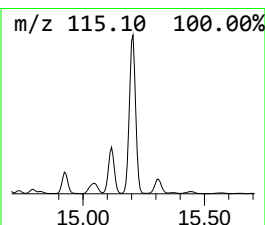
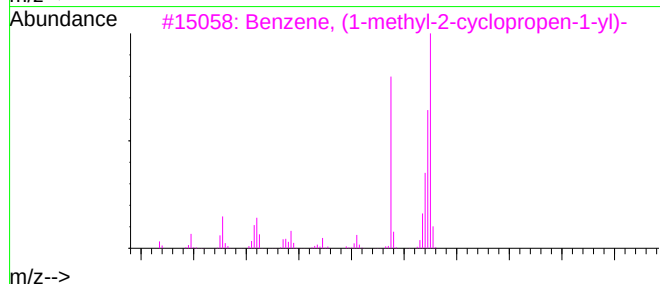
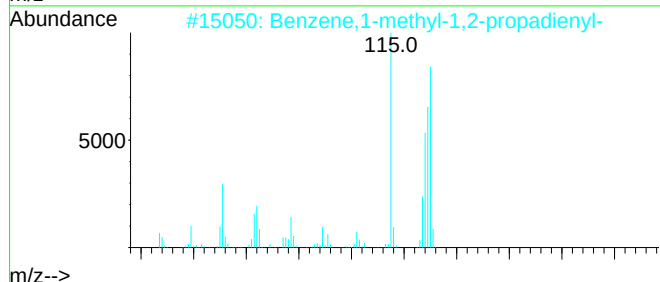
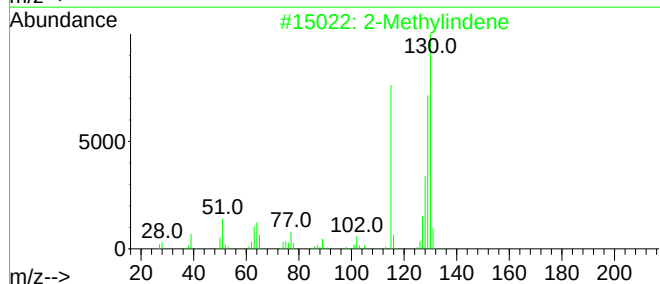
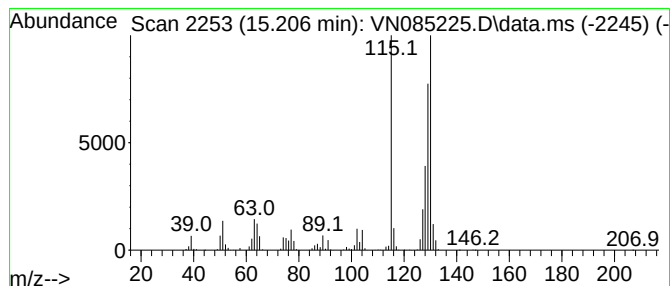
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene,1-methyl-1,2-propad... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.206	85.53 ug/l	9491720	1,4-Dichlorobenzene-d4	13.794

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

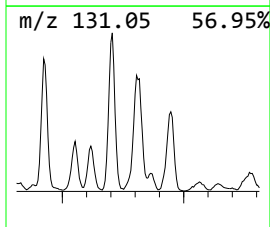
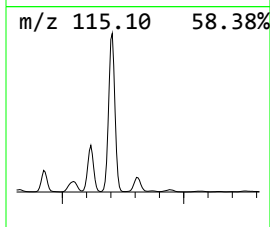
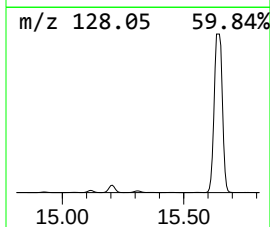
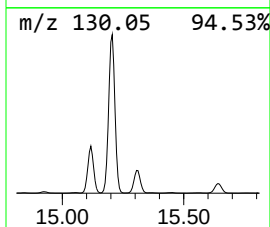
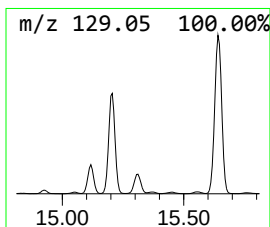
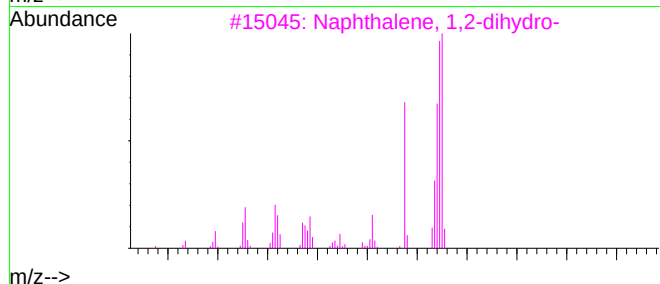
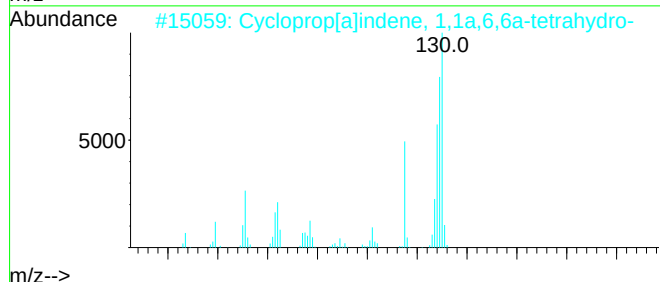
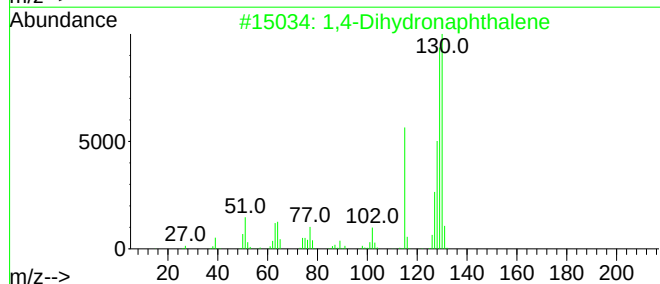
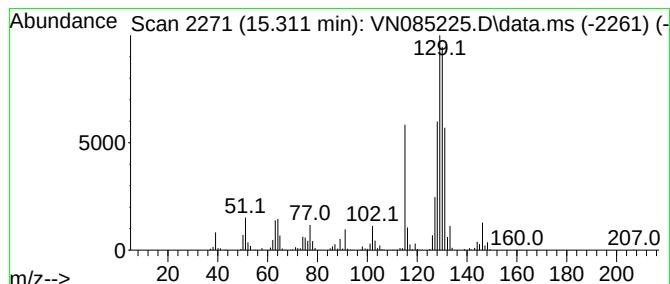
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

Peak Number 8 1,4-Dihydronaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.312	17.87 ug/l	1982970	1,4-Dichlorobenzene-d4	13.794	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	91
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	89
4	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	83
5	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\
Data File : VN085225.D
Acq On : 17 Dec 2024 15:32
Operator : JC\MD
Sample : P5270-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW14-20241212

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...	13.335	34.7	ug/l	3846510	4	13.794	5548880	50.0
Indane	13.994	88.0	ug/l	9769410	4	13.794	5548880	50.0
Benzene, 1-ethe...	14.447	44.1	ug/l	4899940	4	13.794	5548880	50.0
Benzene, 1-ethe...	14.923	24.6	ug/l	2729980	4	13.794	5548880	50.0
Benzene, 1,2,4,...	15.035	29.8	ug/l	3303100	4	13.794	5548880	50.0
2-Methylindene	15.117	22.3	ug/l	2475820	4	13.794	5548880	50.0
Benzene,1-methy...	15.206	85.5	ug/l	9491720	4	13.794	5548880	50.0
1,4-Dihydronaph...	15.312	17.9	ug/l	1982970	4	13.794	5548880	50.0

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	12/12/24	
Project:	Con Edison Non-MGP - Atlantic Avenue		Date Received:	12/13/24	
Client Sample ID:	MW16D-20241212		SDG No.:	P5270	
Lab Sample ID:	P5270-09		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
VN085202.D	1		12/13/24 17:27	VN121324

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	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	16.5		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:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	12/13/24
Client Sample ID:	MW16D-20241212			SDG No.:	P5270
Lab Sample ID:	P5270-09			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
VN085202.D	1		12/13/24 17:27	VN121324

[illegible]

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/12/24
Project:	Con Edison Non-MGP - Atlantic Avenue	Date Received:	12/13/24
Client Sample ID:	MW16D-20241212	SDG No.:	P5270
Lab Sample ID:	P5270-09	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
VN085202.D	1		12/13/24 17:27	VN121324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	19.9	J		2.29	ug/L
103-65-1	n-propylbenzene	0.31	J		13.0	ug/L
001127-76-0	Naphthalene, 1-ethyl-	45.9	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	1.70	J		13.5	ug/L
000575-43-9	Naphthalene, 1,6-dimethyl-	40.3	J		13.7	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	69.7	J		14.0	ug/L
000582-16-1	Naphthalene, 2,7-dimethyl-	19.8	J		14.1	ug/L
000571-58-4	Naphthalene, 1,4-dimethyl-	12.4	J		14.5	ug/L
000575-41-7	Naphthalene, 1,3-dimethyl-	19.5	J		14.6	ug/L
000571-61-9	Naphthalene, 1,5-dimethyl-	14.1	J		14.8	ug/L
000083-32-9	Acenaphthene	49.0	J		15.5	ug/L
91-20-3	Naphthalene	48.4	J		15.6	ug/L
000090-12-0	Naphthalene, 1-methyl-	16.4	J		16.8	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\VN121324\
 Data File : VN085202.D
 Acq On : 13 Dec 2024 17:27
 Operator : JC\MD
 Sample : P5270-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW16D-20241212

Quant Time: Dec 13 23:38:05 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)

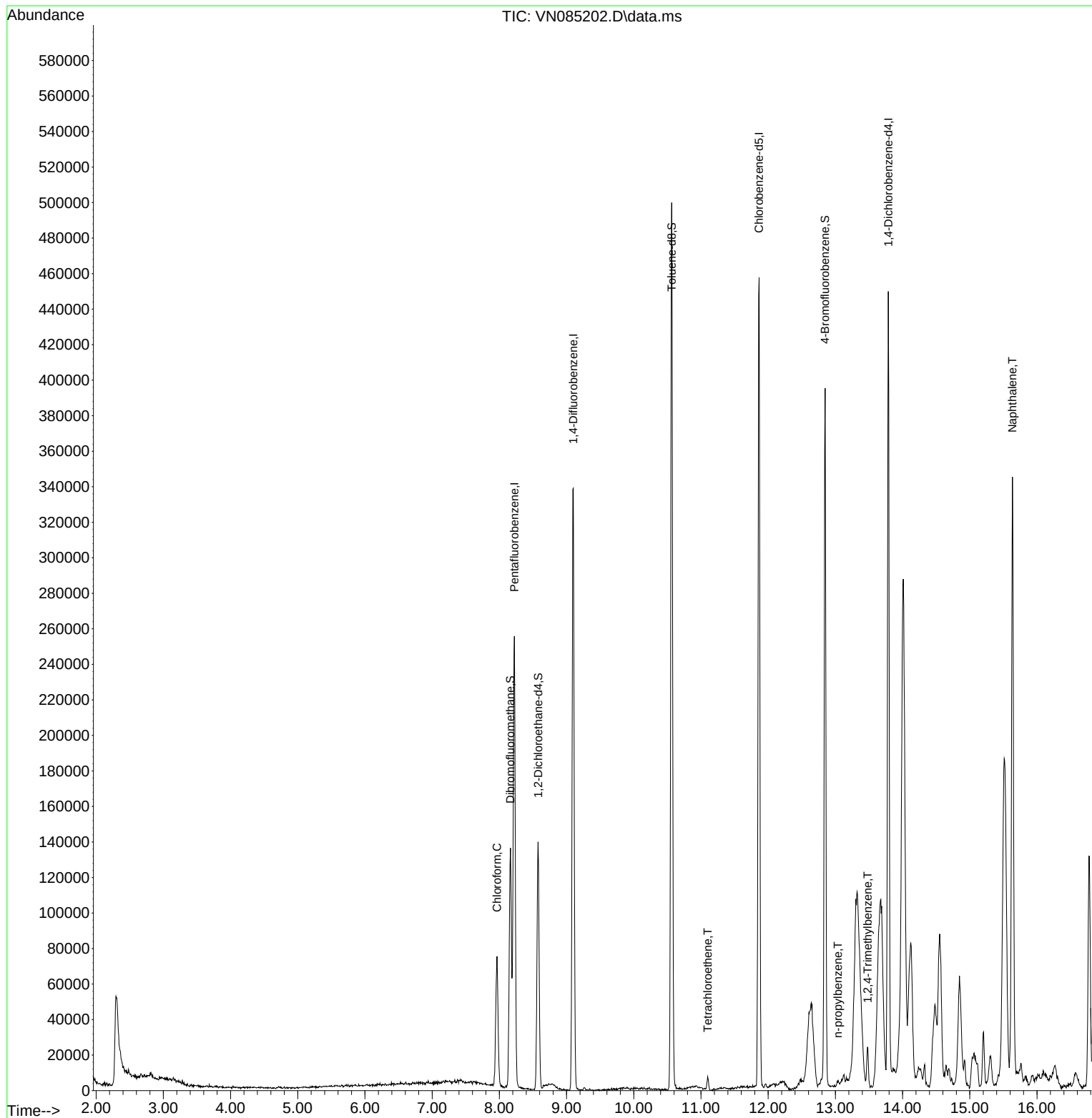
Internal Standards						
1) Pentafluorobenzene	8.224	168	182473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116793	44.934	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.860%		
35) Dibromofluoromethane	8.165	113	97036	48.014	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.020%		
50) Toluene-d8	10.565	98	356975	49.287	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.580%		
62) 4-Bromofluorobenzene	12.847	95	137853	50.896	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.800%		
Target Compounds						
30) Chloroform	7.965	83	69185	16.539	ug/l	92
64) Tetrachloroethene	11.100	164	1832	1.013	ug/l #	83
78) n-propylbenzene	13.035	91	3009	0.310	ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	12430	1.708	ug/l	98
95) Naphthalene	15.635	128	321136	48.421	ug/l	99

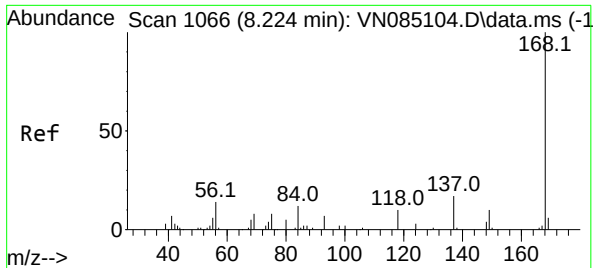
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

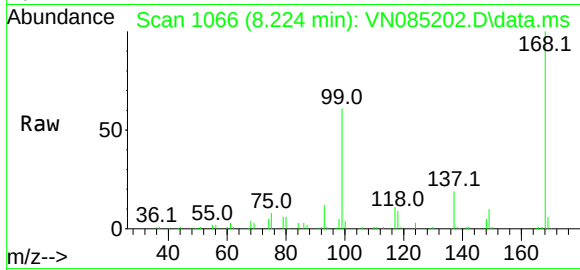
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Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



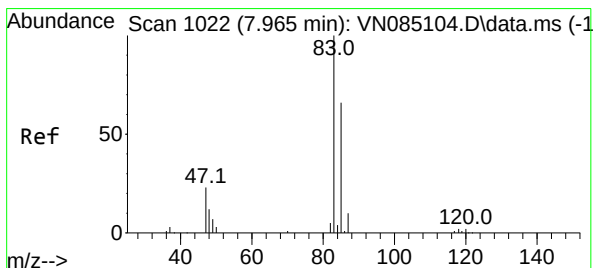
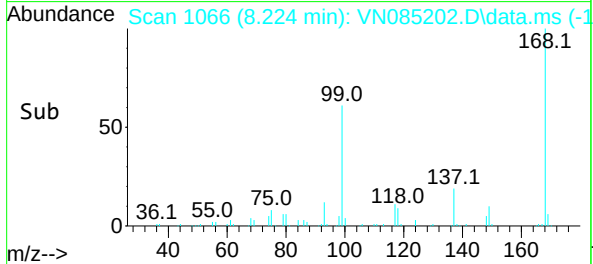
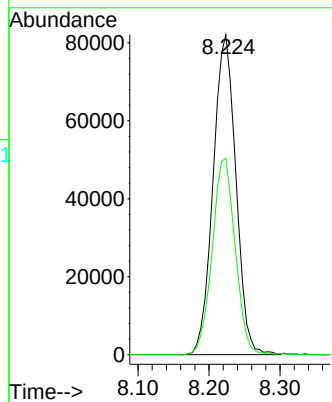


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085202.D
Acq: 13 Dec 2024 17:27

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

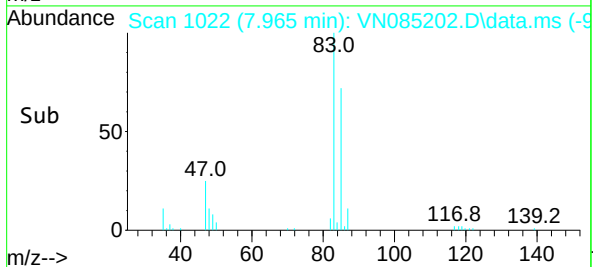
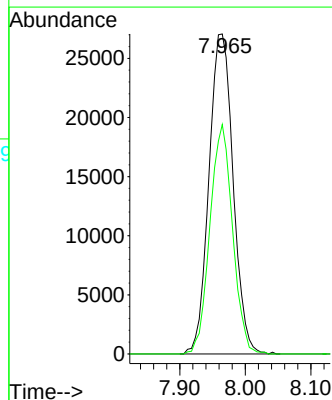
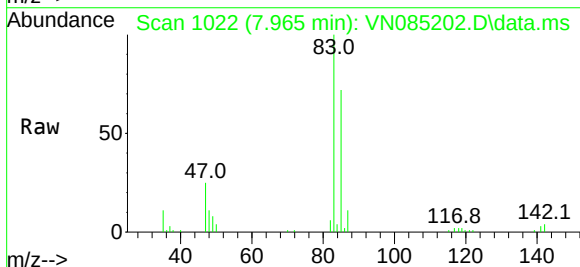


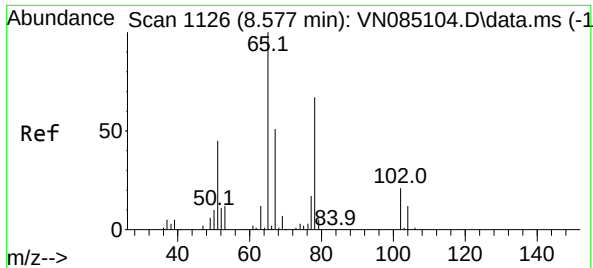
Tgt Ion:168 Resp: 182473
Ion Ratio Lower Upper
168 100
99 61.4 51.2 76.8



#30
Chloroform
Concen: 16.539 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085202.D
Acq: 13 Dec 2024 17:27

Tgt Ion: 83 Resp: 69185
Ion Ratio Lower Upper
83 100
85 71.7 52.6 78.8





#33

1,2-Dichloroethane-d4

Concen: 44.934 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085202.D

Acq: 13 Dec 2024 17:27

Instrument :

MSVOA_N

ClientSampleId :

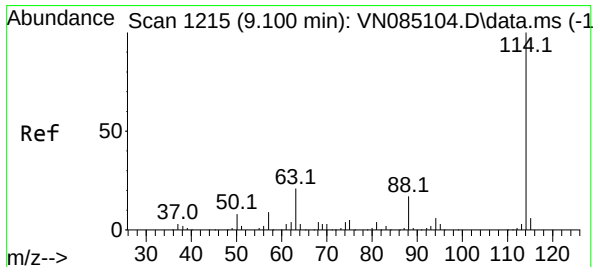
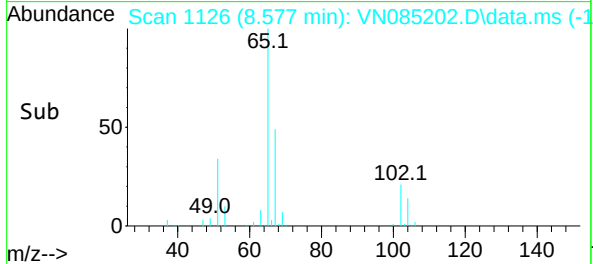
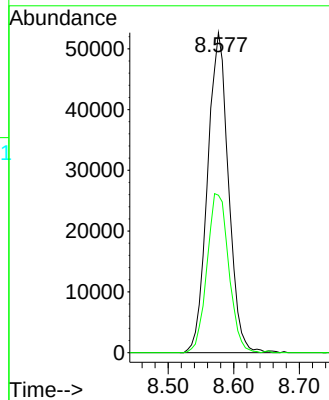
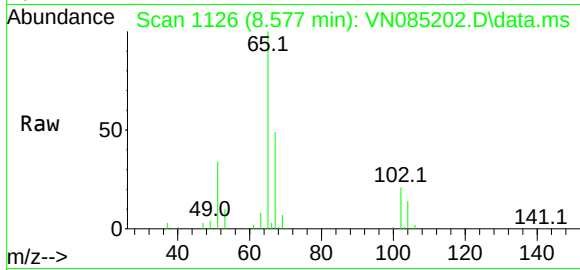
MW16D-20241212

Tgt Ion: 65 Resp: 116793

Ion Ratio Lower Upper

65 100

67 51.7 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: VN085202.D

Acq: 13 Dec 2024 17:27

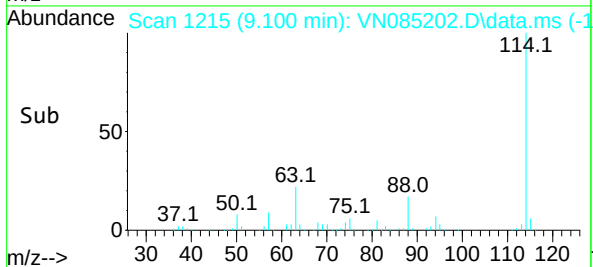
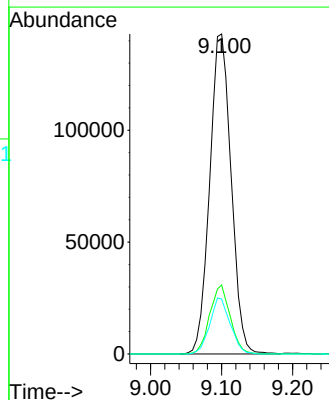
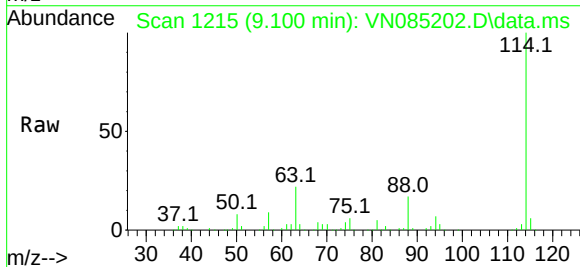
Tgt Ion: 114 Resp: 299687

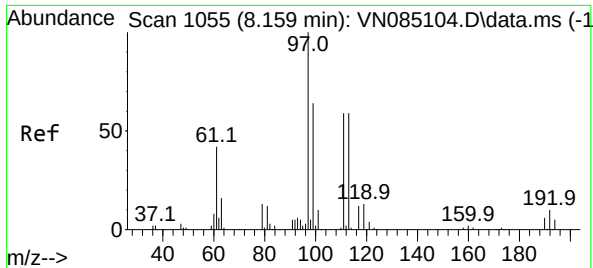
Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.0

88 17.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 48.014 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085202.D

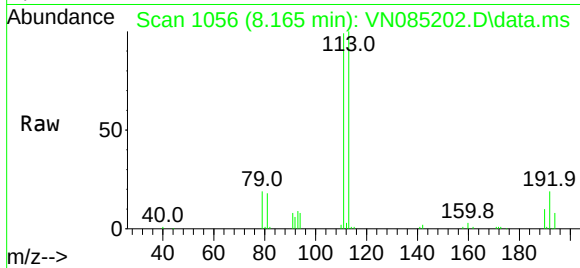
Acq: 13 Dec 2024 17:27

Instrument :

MSVOA_N

ClientSampleId :

MW16D-20241212



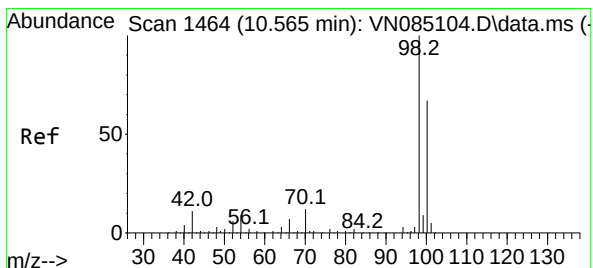
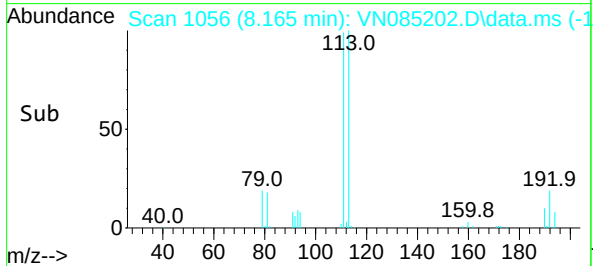
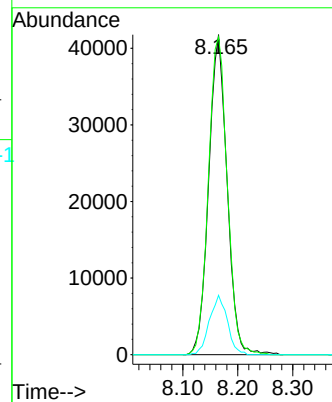
Tgt Ion:113 Resp: 97036

Ion Ratio Lower Upper

113 100

111 101.8 82.0 123.0

192 18.1 14.8 22.2



#50

Toluene-d8

Concen: 49.287 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN085202.D

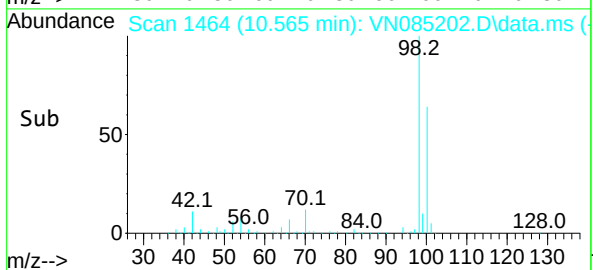
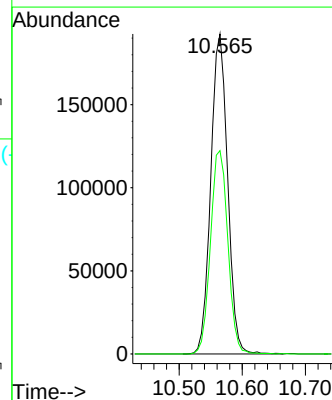
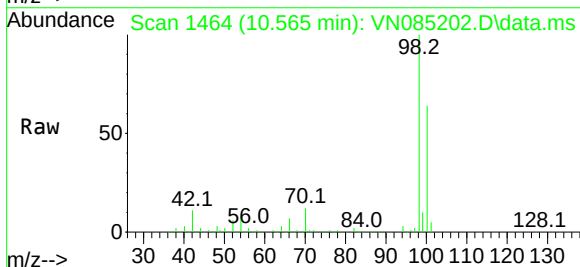
Acq: 13 Dec 2024 17:27

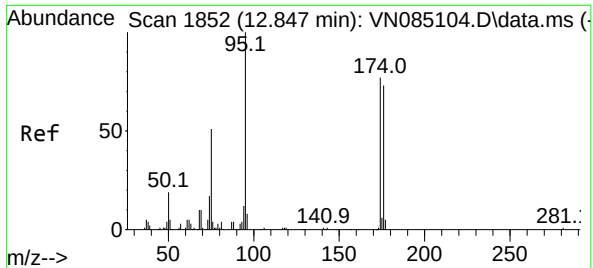
Tgt Ion: 98 Resp: 356975

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

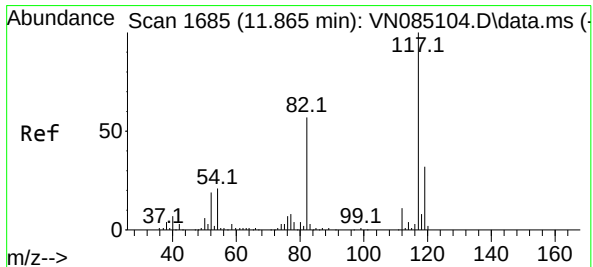
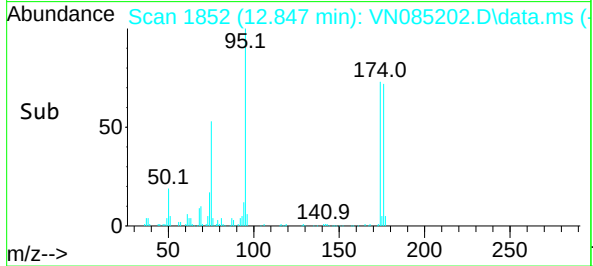
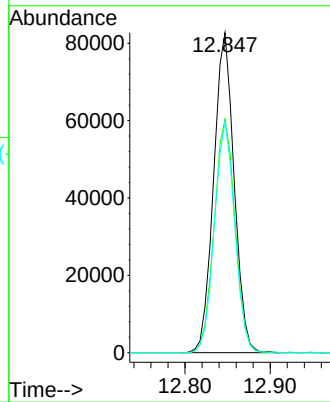
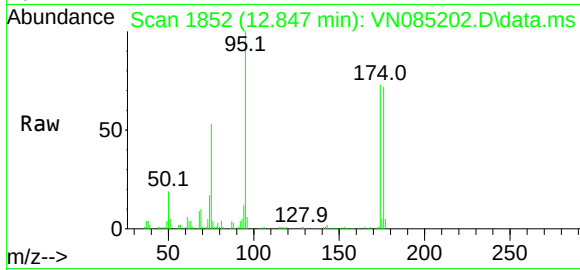




#62
4-Bromofluorobenzene
Concen: 50.896 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085202.D
Acq: 13 Dec 2024 17:27

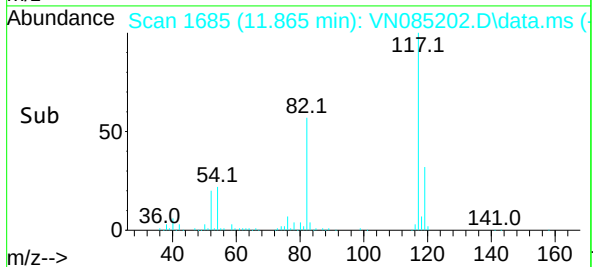
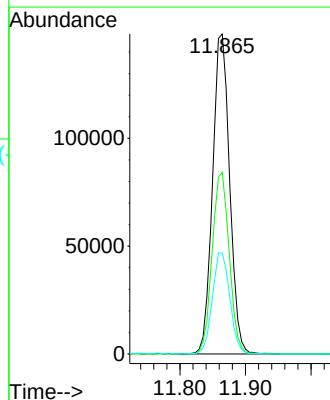
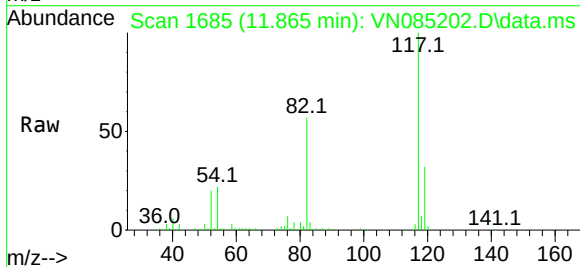
Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

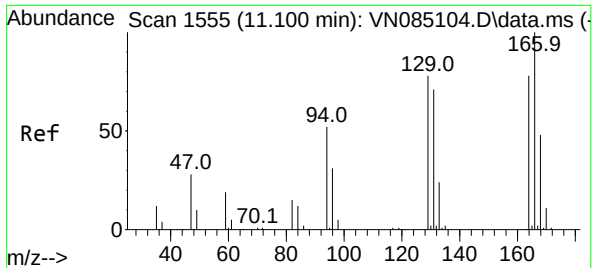
Tgt Ion: 95 Resp: 137853
Ion Ratio Lower Upper
95 100
174 74.4 0.0 146.6
176 71.7 0.0 141.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085202.D
Acq: 13 Dec 2024 17:27

Tgt Ion: 117 Resp: 268260
Ion Ratio Lower Upper
117 100
82 56.8 46.0 69.0
119 31.5 25.6 38.4

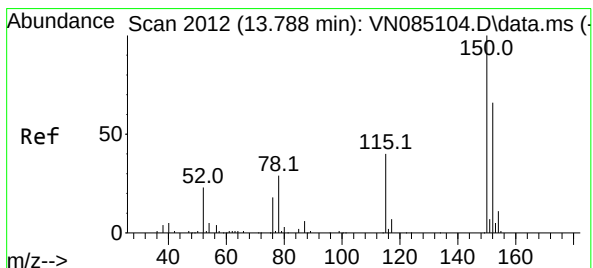
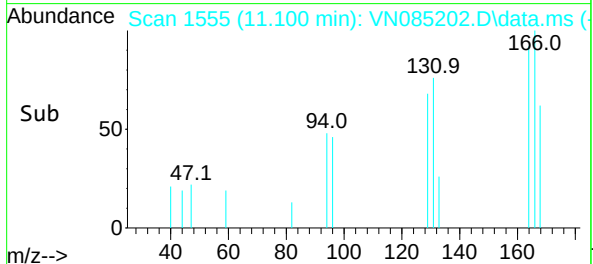
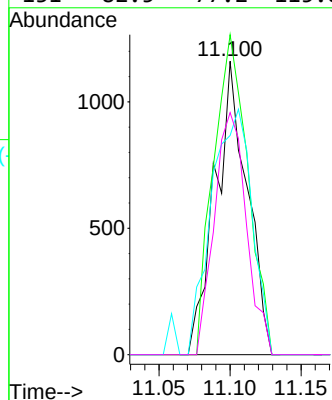
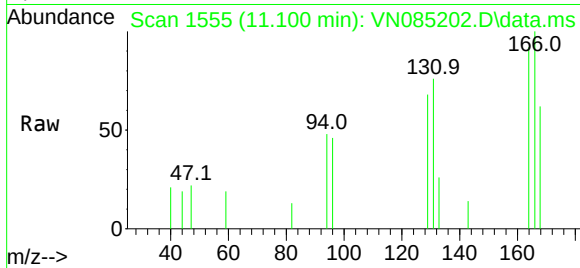




#64
Tetrachloroethene
Concen: 1.013 ug/l
RT: 11.100 min Scan# 1155
Delta R.T. -0.000 min
Lab File: VN085202.D
Acq: 13 Dec 2024 17:27

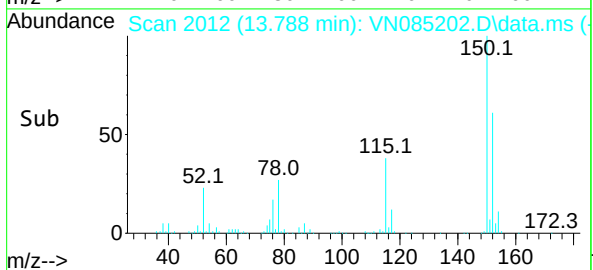
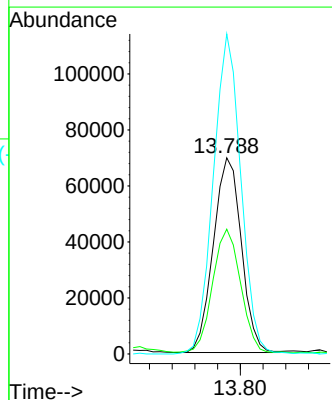
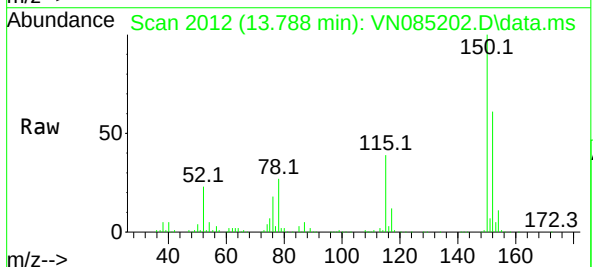
Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

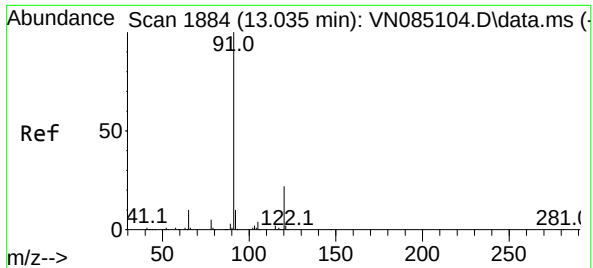
Tgt Ion:164 Resp: 1832
Ion Ratio Lower Upper
164 100
166 109.0 100.6 151.0
129 74.7 77.7 116.5#
131 82.5 77.2 115.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085202.D
Acq: 13 Dec 2024 17:27

Tgt Ion:152 Resp: 119455
Ion Ratio Lower Upper
152 100
115 63.7 31.7 95.1
150 161.1 0.0 351.4

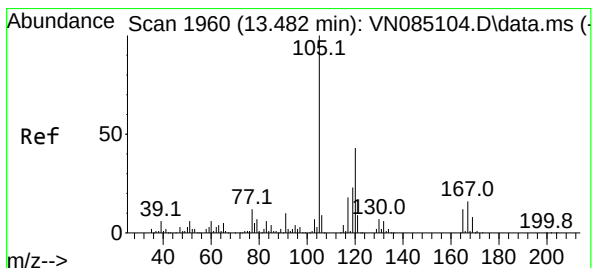
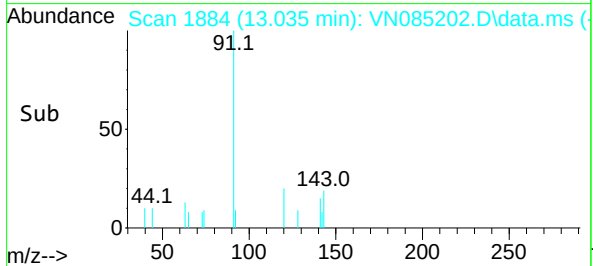
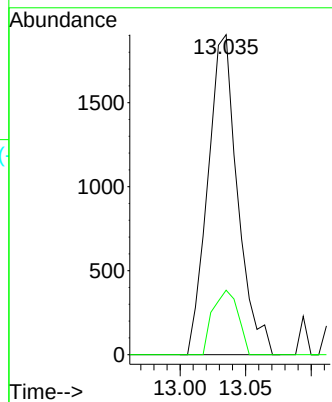
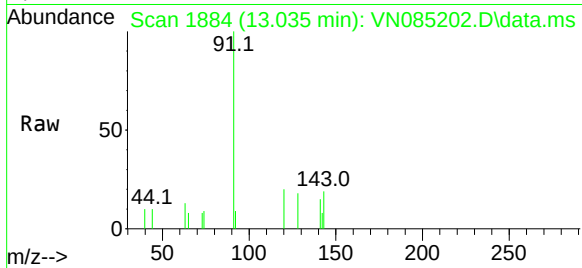




#78
n-propylbenzene
Concen: 0.310 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN085202.D
Acq: 13 Dec 2024 17:27

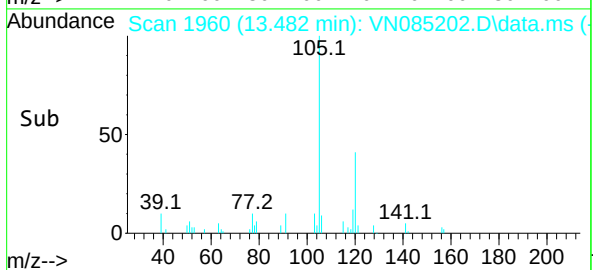
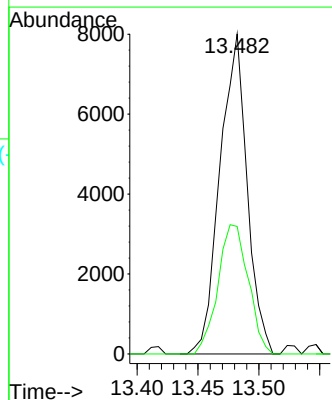
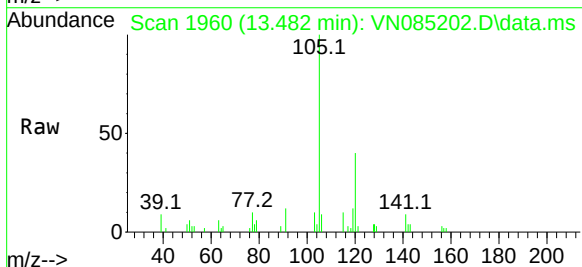
Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

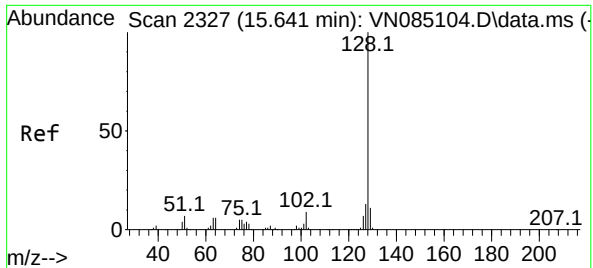
Tgt Ion: 91 Resp: 3009
Ion Ratio Lower Upper
91 100
120 17.1 11.3 33.9



#84
1,2,4-Trimethylbenzene
Concen: 1.708 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085202.D
Acq: 13 Dec 2024 17:27

Tgt Ion: 105 Resp: 12430
Ion Ratio Lower Upper
105 100
120 45.0 21.8 65.4





#95

Naphthalene

Concen: 48.421 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN085202.D

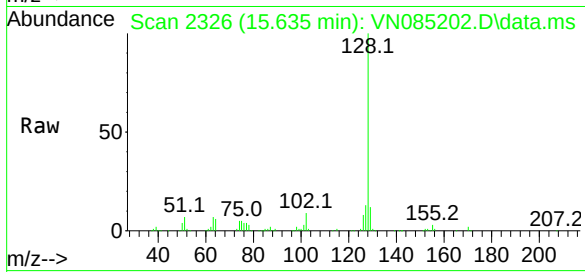
Acq: 13 Dec 2024 17:27

Instrument :

MSVOA_N

ClientSampleId :

MW16D-20241212



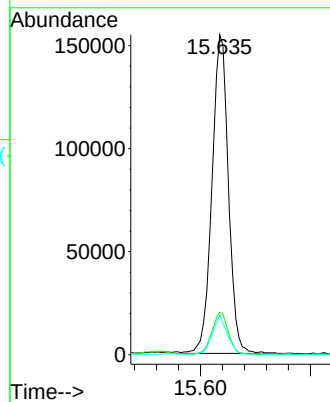
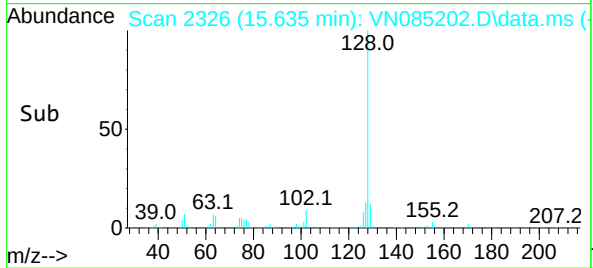
Tgt Ion:128 Resp: 321136

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

129 11.3 8.6 12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085202.D
 Acq On : 13 Dec 2024 17:27
 Operator : JC\MD
 Sample : P5270-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW16D-20241212

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: VN085202.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	49	58	76	rBV2	50021	223823	21.60%	2.075%
2	7.965	1012	1022	1032	rVB	73271	175847	16.97%	1.630%
3	8.165	1046	1056	1060	rBV	134661	313402	30.24%	2.905%
4	8.224	1060	1066	1078	rVB	254251	562087	54.24%	5.211%
5	8.577	1117	1126	1135	rBV	139518	311131	30.02%	2.884%
6	9.100	1206	1215	1225	rBV	338987	701922	67.73%	6.507%
7	10.565	1454	1464	1473	rBV	499790	945224	91.21%	8.762%
8	11.100	1550	1555	1563	rVB3	7760	13282	1.28%	0.123%
9	11.865	1677	1685	1692	rBV	455029	818490	78.98%	7.587%
10	12.847	1844	1852	1863	rVB	393054	676014	65.23%	6.267%
11	13.323	1912	1933	1954	rVV3	107611	682714	65.88%	6.329%
12	13.476	1954	1959	1966	rVB	22773	42619	4.11%	0.395%
13	13.676	1971	1993	2006	rBV6	105858	599002	57.80%	5.553%
14	13.788	2006	2012	2022	rVB	439547	743604	71.75%	6.893%
15	14.012	2031	2050	2060	rBV3	277914	1036314	100.00%	9.607%
16	14.123	2060	2069	2080	rVB4	75610	293767	28.35%	2.723%
17	14.329	2099	2104	2107	rVB2	10759	17169	1.66%	0.159%
18	14.482	2115	2130	2135	rBV7	46720	184450	17.80%	1.710%
19	14.553	2135	2142	2153	rVV3	84566	290604	28.04%	2.694%
20	14.647	2153	2158	2162	rVV7	9539	21278	2.05%	0.197%
21	14.688	2162	2165	2170	rVB4	7153	12943	1.25%	0.120%
22	14.847	2177	2192	2202	rBV2	61367	209414	20.21%	1.941%
23	14.923	2202	2205	2210	rVB3	13679	21784	2.10%	0.202%
24	15.035	2217	2224	2226	rBV3	17674	33331	3.22%	0.309%
25	15.206	2244	2253	2260	rBV2	30678	62861	6.07%	0.583%
26	15.311	2262	2271	2279	rVB8	16492	48571	4.69%	0.450%
27	15.511	2292	2305	2318	rVV2	181565	728993	70.34%	6.758%
28	15.635	2318	2326	2335	rVB	336048	695237	67.09%	6.445%
29	15.759	2345	2347	2353	rVB2	10312	16675	1.61%	0.155%
30	15.829	2353	2359	2366	rVB9	5330	14682	1.42%	0.136%
31	16.270	2429	2434	2439	rVB6	7394	17268	1.67%	0.160%
32	16.570	2475	2485	2497	rBV9	7723	29535	2.85%	0.274%
33	16.776	2512	2520	2522	rBV	129466	243349	23.48%	2.256%

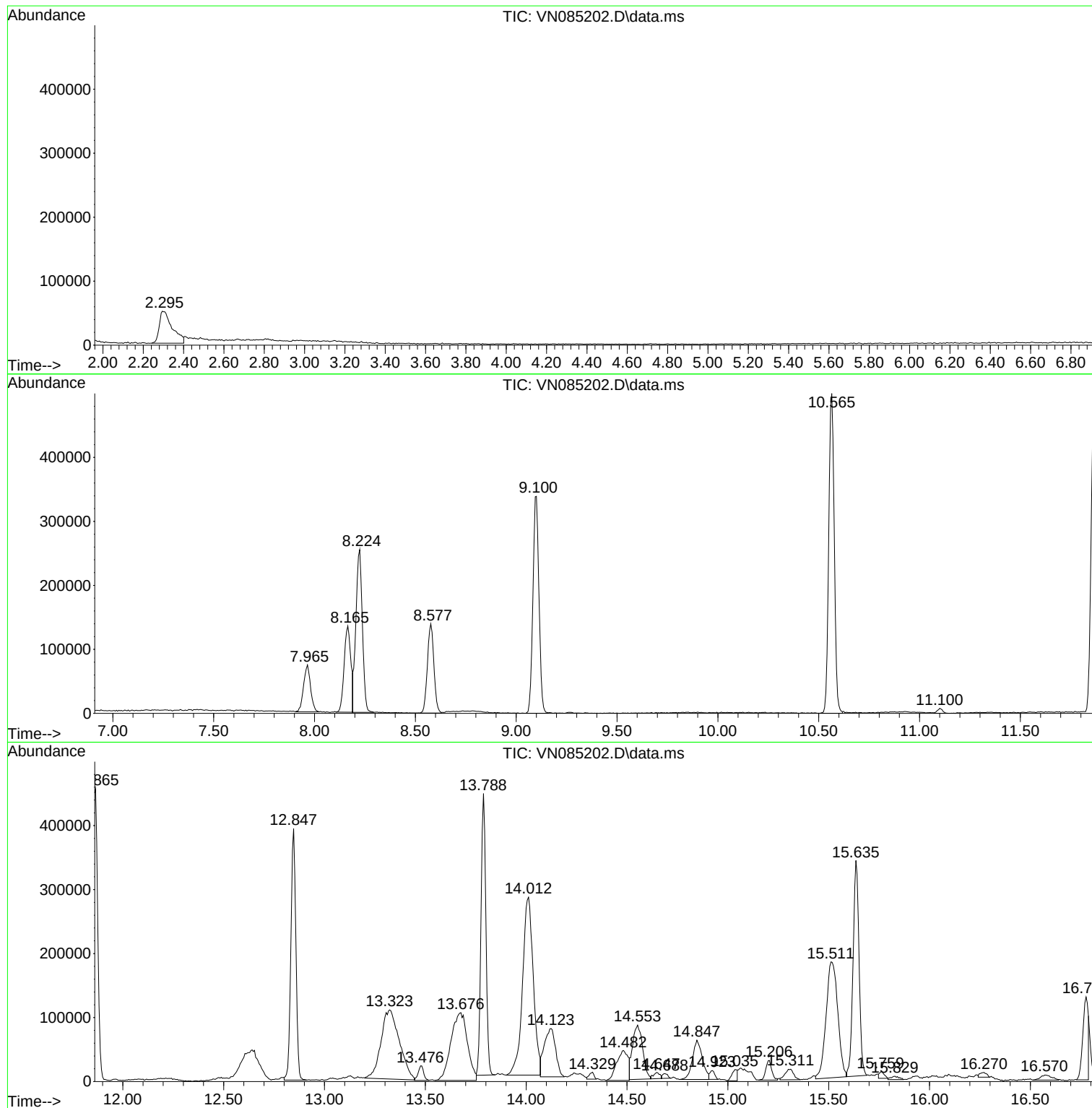
Sum of corrected areas: 10787386

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

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

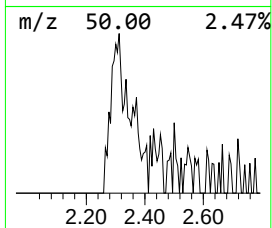
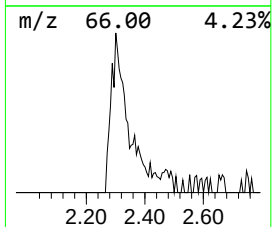
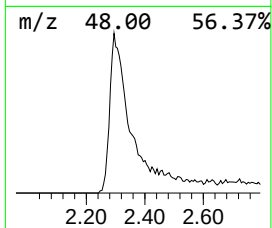
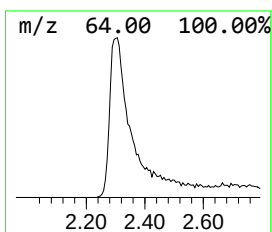


Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

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

Peak Number	1	Sulfur dioxide	Concentration	Rank	5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
2.295	19.91 ug/l	223823	Pentafluorobenzene		8.224	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Sulfur dioxide	64	O2S	007446-09-5	83
2		1,1,1,2,2,3,3,4,4,5,5-Undecafluoro...	602	C10F22O2S	1000486-78-5	74
3		Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
4		2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	9
5		4,6-Diamino-5-pyrimidinyl hydrog...	206	C4H6N4O4S	071525-41-2	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

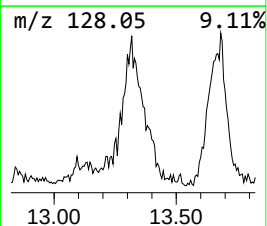
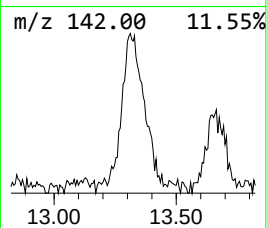
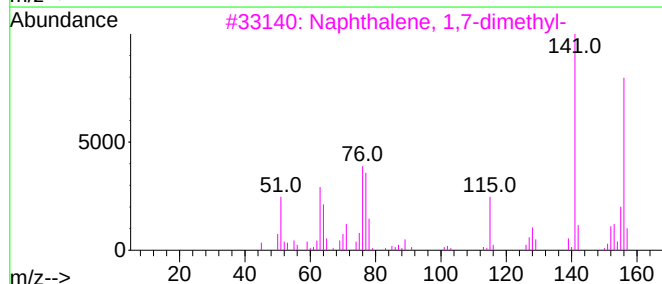
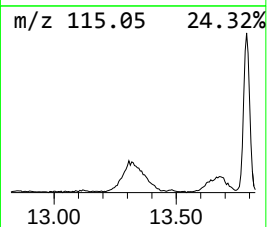
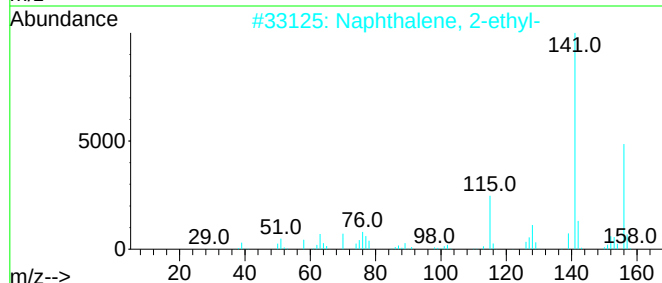
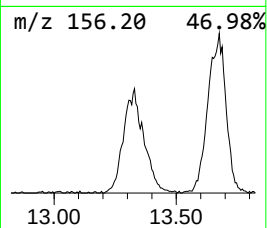
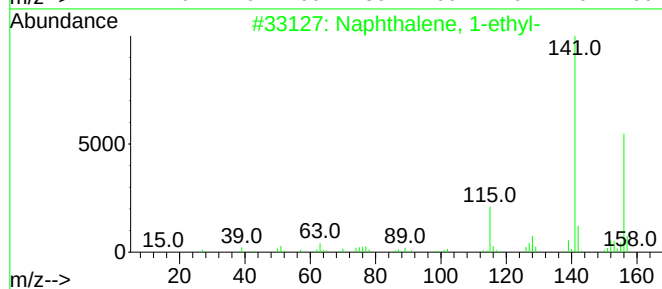
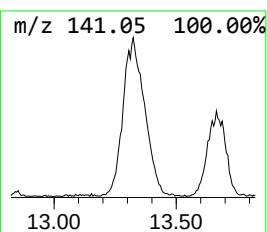
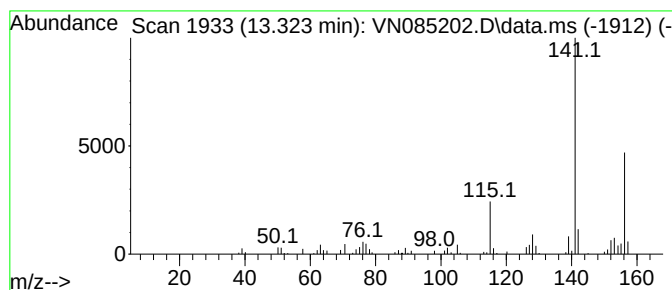
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Quant Title : SW846 8260

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

Peak Number 2 Naphthalene, 1-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.323	45.91 ug/l	682714	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2			Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	78
4			2,4-Difluoromesitylene	156	C9H10F2	000392-61-0	59
5			2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

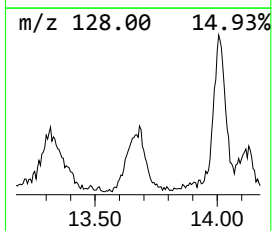
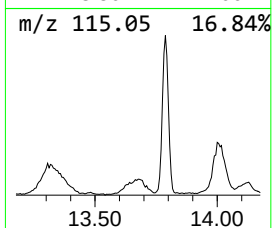
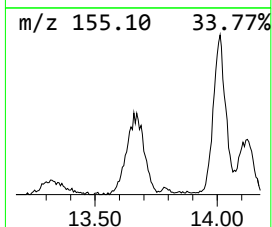
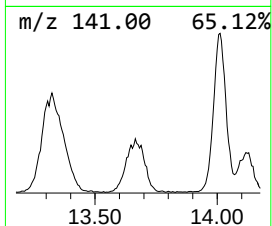
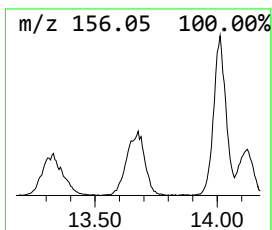
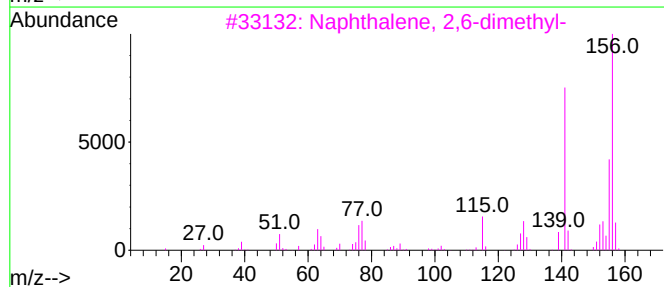
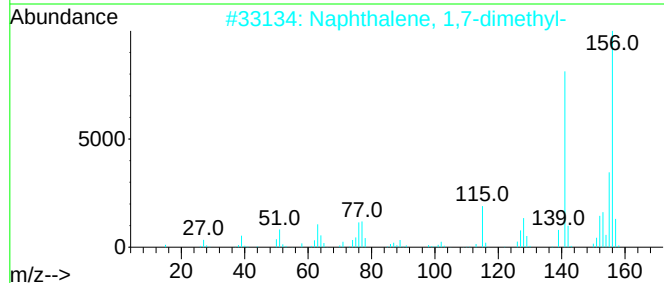
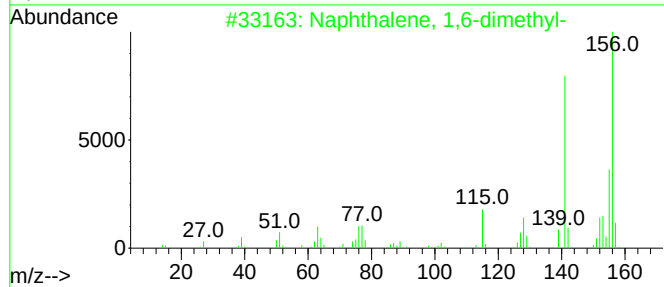
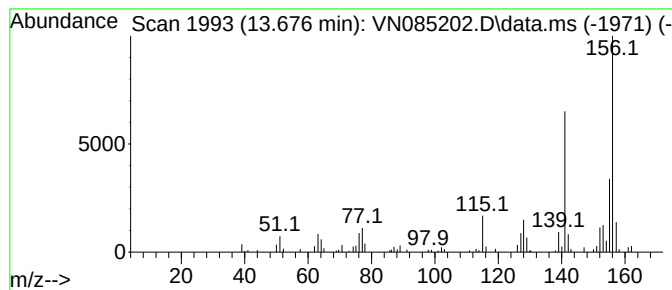
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Quant Title : SW846 8260

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

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	40.28 ug/l	599002	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

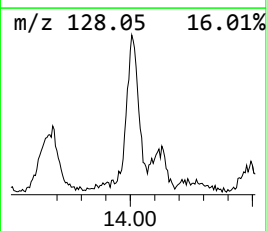
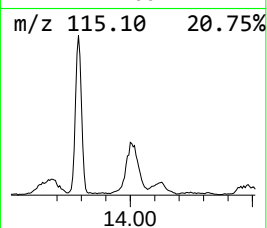
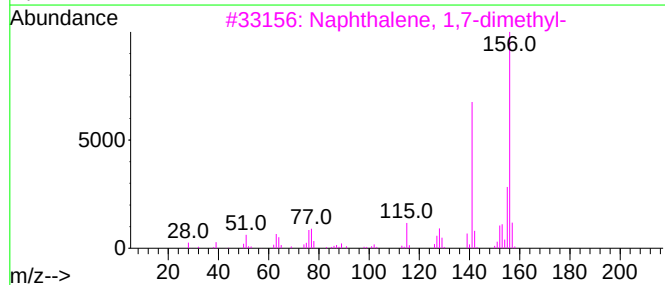
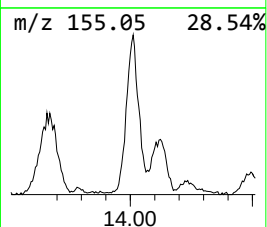
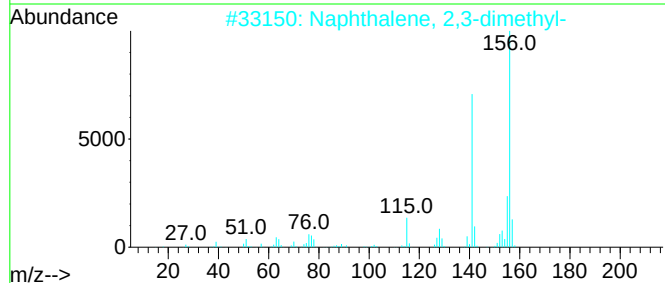
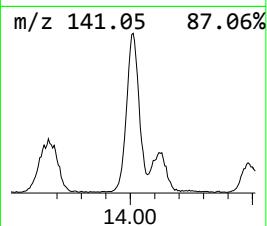
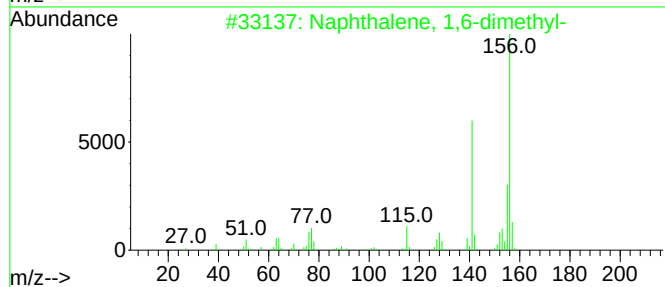
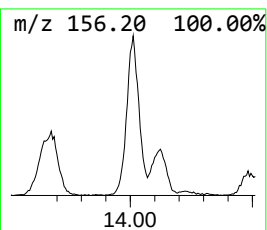
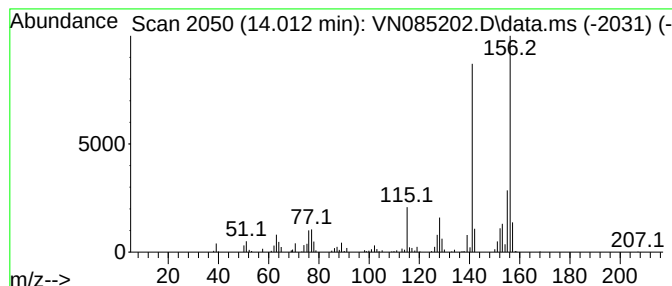
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Quant Title : SW846 8260

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

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.012	69.68 ug/l	1036310	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

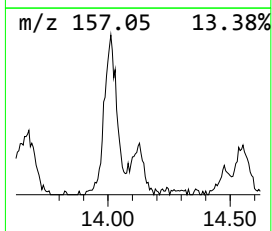
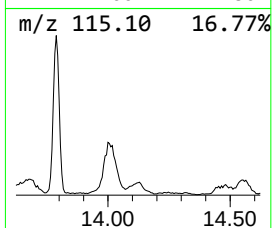
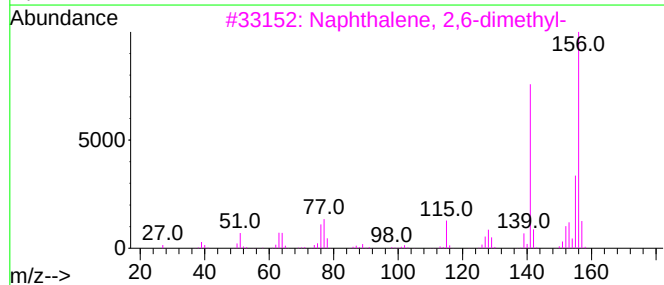
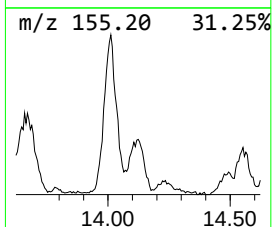
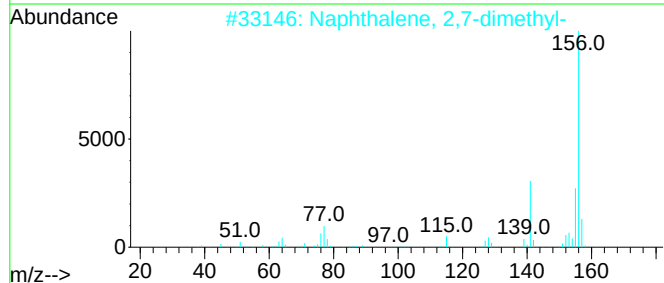
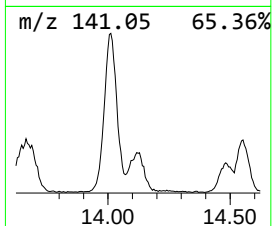
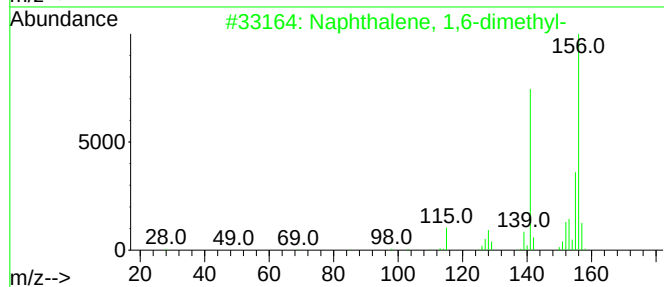
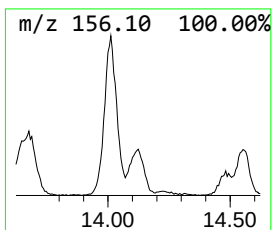
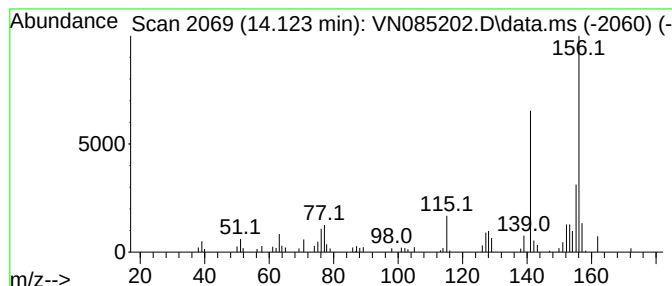
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Quant Title : SW846 8260

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

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.123	19.75 ug/l	293767	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

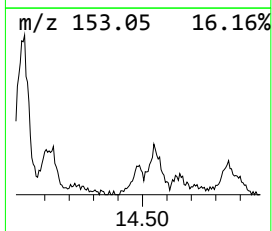
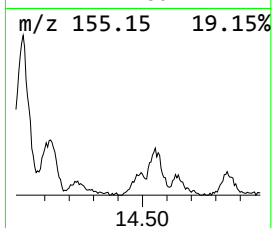
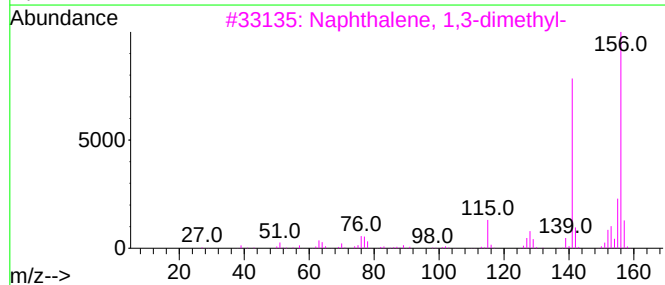
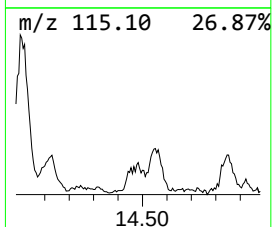
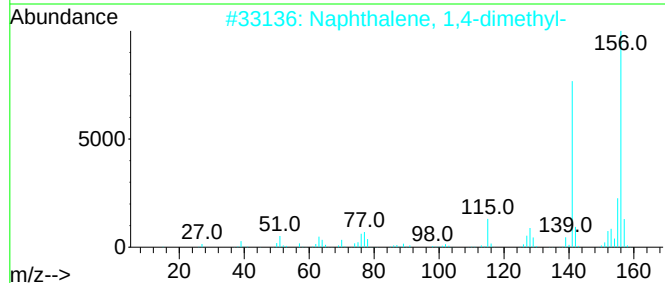
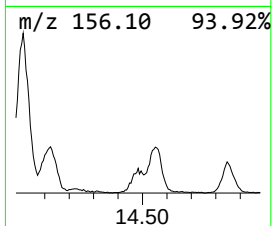
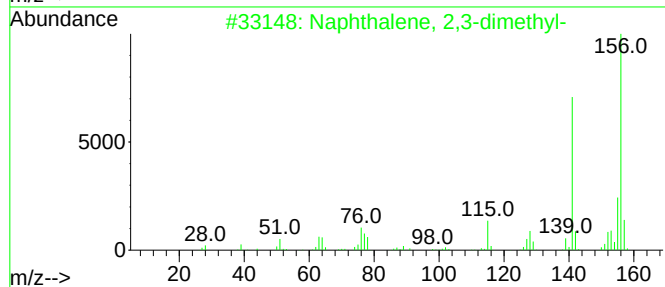
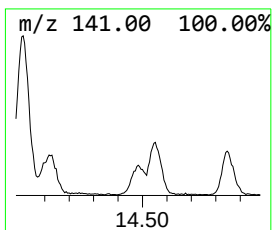
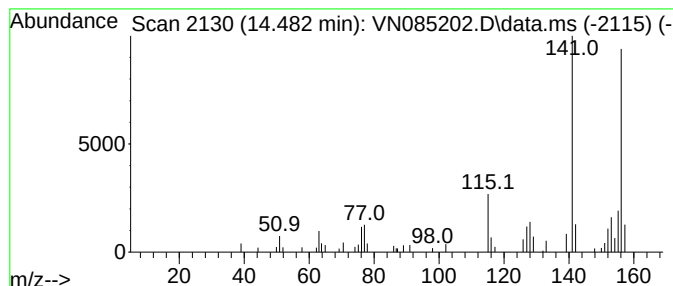
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Quant Title : SW846 8260

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

Peak Number 6 Naphthalene, 1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.482	12.40 ug/l	184450	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

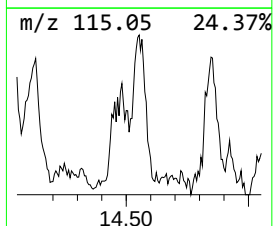
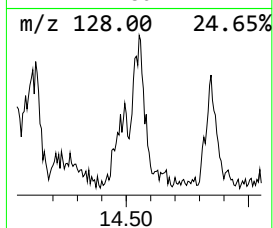
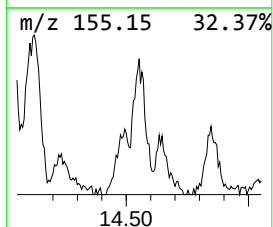
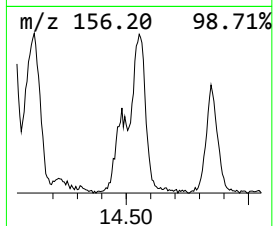
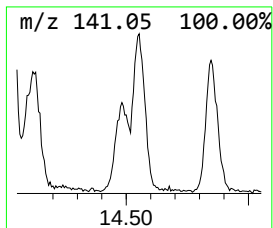
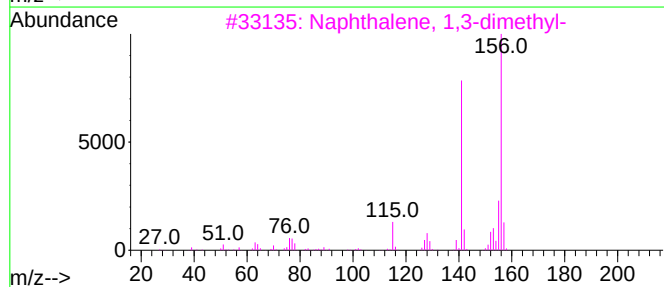
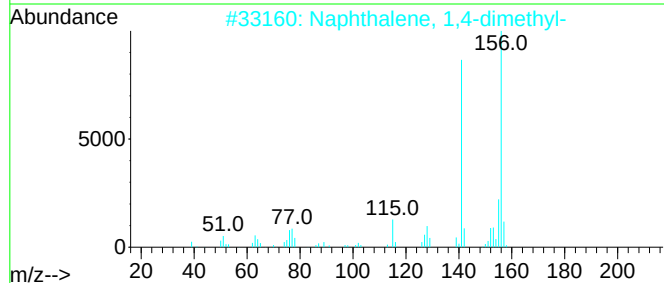
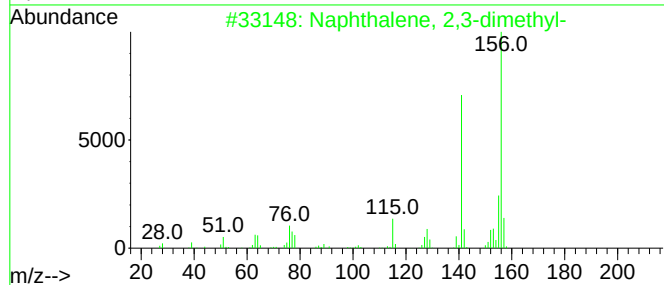
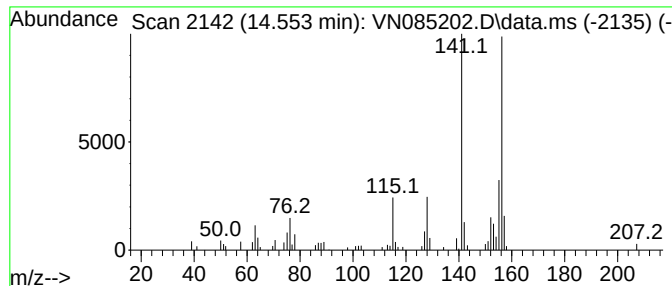
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Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.553	19.54 ug/l	290604	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
4			Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	91
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

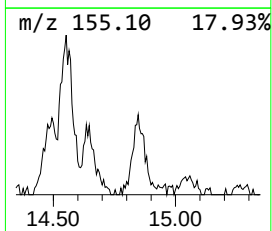
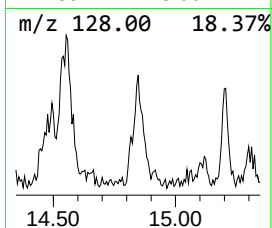
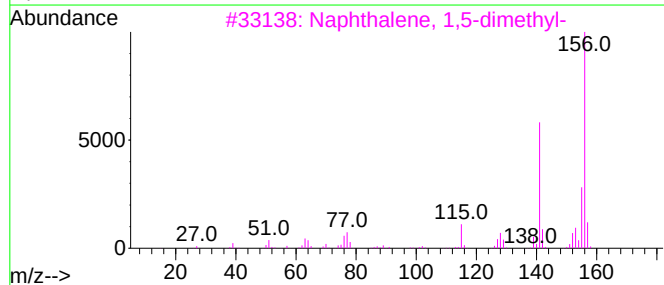
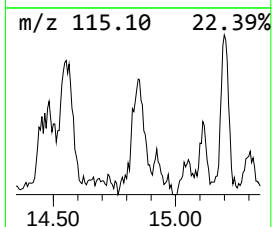
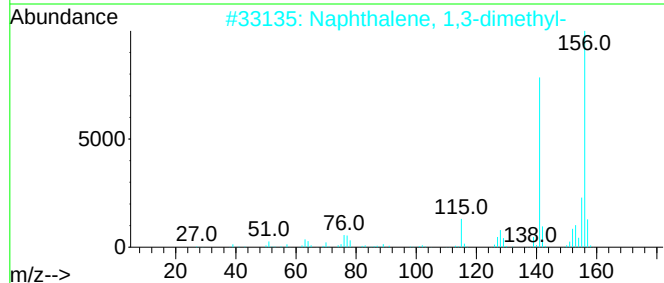
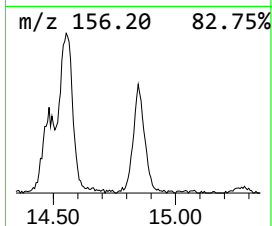
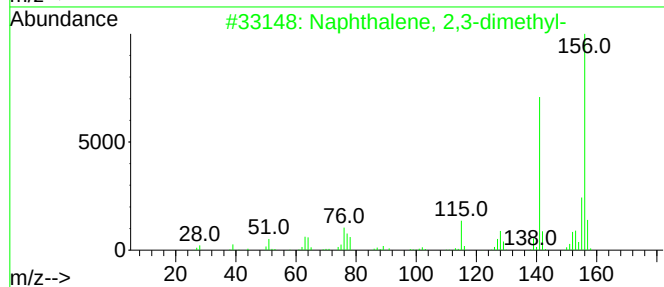
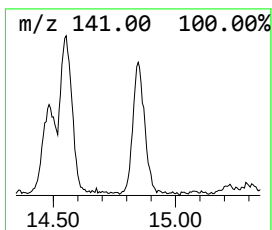
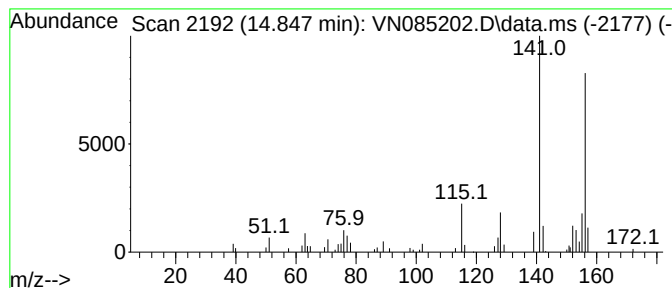
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.847	14.08 ug/l	209414	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
3			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
4			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
5			Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

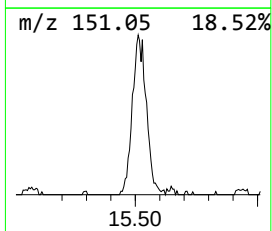
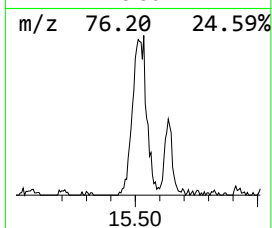
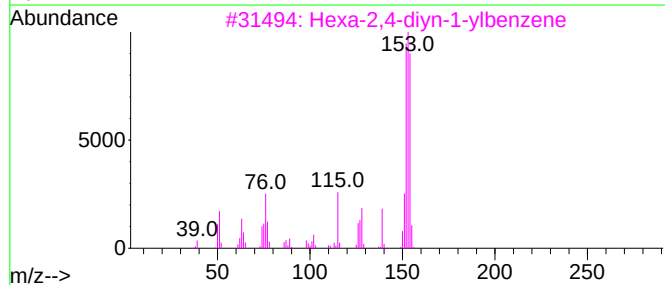
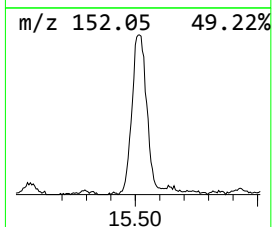
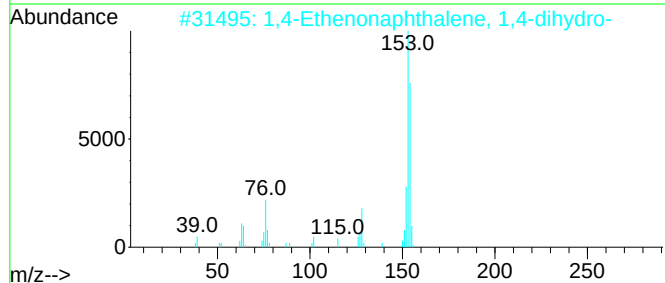
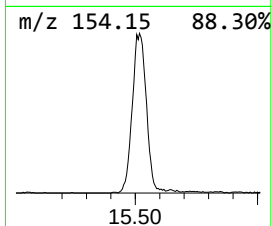
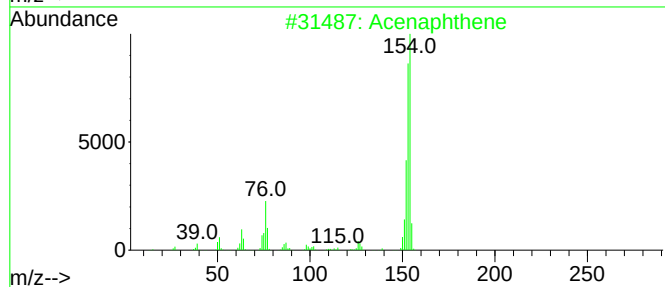
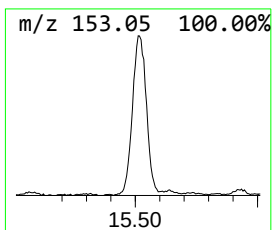
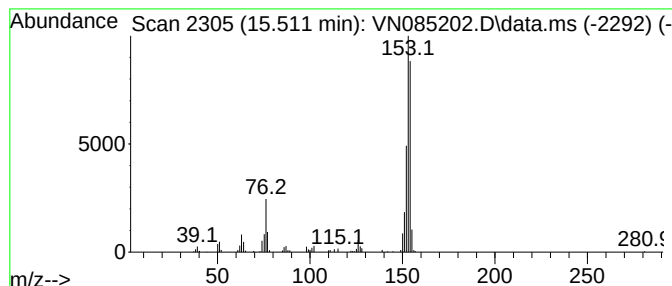
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Quant Title : SW846 8260

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

Peak Number 9 Acenaphthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.512	49.02 ug/l	728993	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acenaphthene	154	C12H10	000083-32-9	95
2			1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	59
3			Hexa-2,4-diyne-1-ylbenzene	154	C12H10	000520-74-1	58
4			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	58
5			Naphthalene, 1,4-bis(bromomethyl)-	312	C12H10Br2	058791-49-4	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

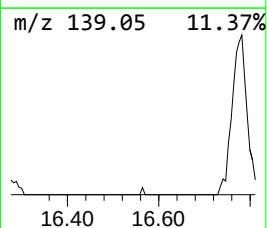
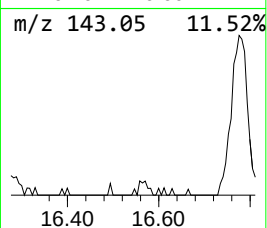
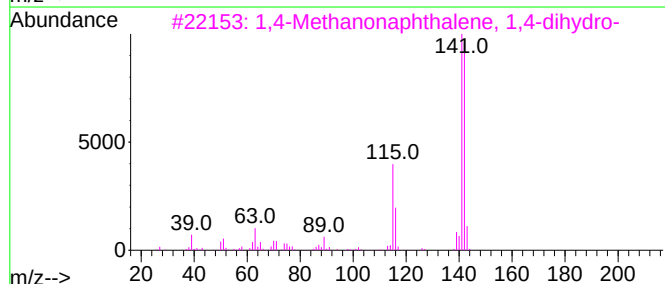
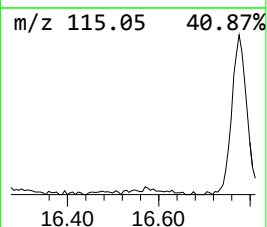
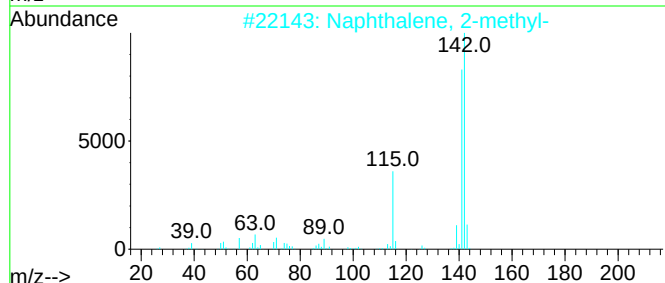
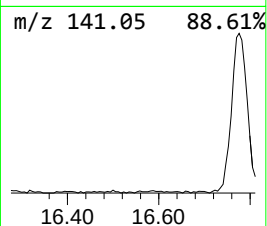
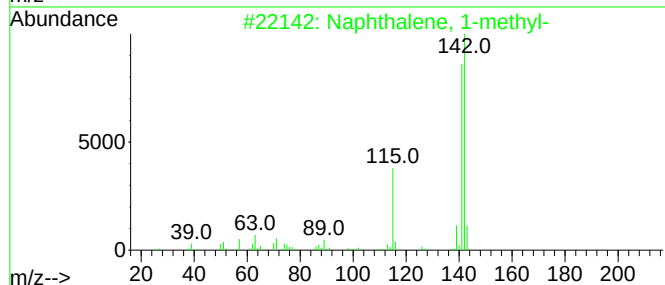
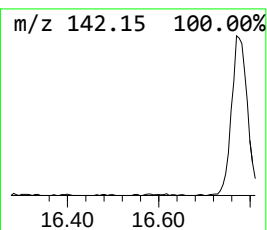
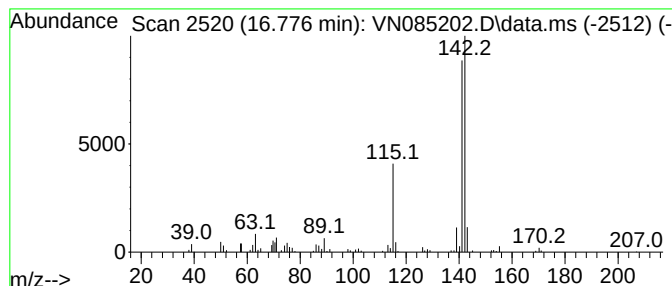
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.776	16.36 ug/l	243349	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4			Benzocycloheptatriene	142	C11H10	000264-09-5	91
5			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085202.D
Acq On : 13 Dec 2024 17:27
Operator : JC\MD
Sample : P5270-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW16D-20241212

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

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Sulfur dioxide	2.295	19.9	ug/l	223823	1	8.224	562087	50.0
Naphthalene, 1-...	13.323	45.9	ug/l	682714	4	13.788	743604	50.0
Naphthalene, 1,...	13.676	40.3	ug/l	599002	4	13.788	743604	50.0
Naphthalene, 2,...	14.012	69.7	ug/l	1036310	4	13.788	743604	50.0
Naphthalene, 2,...	14.123	19.8	ug/l	293767	4	13.788	743604	50.0
Naphthalene, 1,...	14.482	12.4	ug/l	184450	4	13.788	743604	50.0
Naphthalene, 1,...	14.553	19.5	ug/l	290604	4	13.788	743604	50.0
Naphthalene, 1,...	14.847	14.1	ug/l	209414	4	13.788	743604	50.0
Acenaphthene	15.512	49.0	ug/l	728993	4	13.788	743604	50.0
Naphthalene, 1-...	16.776	16.4	ug/l	243349	4	13.788	743604	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:	12/13/24
Client Sample ID:	TB-20241213	SDG No.:	P5270
Lab Sample ID:	P5270-10	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
VN085204.D	1		12/13/24 18:15	VN121324

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	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:	12/13/24	
Client Sample ID:	TB-20241213			SDG No.:	P5270	
Lab Sample ID:	P5270-10			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
VN085204.D	1		12/13/24 18:15	VN121324

[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:	12/13/24
Client Sample ID:	TB-20241213		SDG No.:	P5270
Lab Sample ID:	P5270-10		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
VN085204.D	1		12/13/24 18:15	VN121324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	13.1	J		2.29	ug/L
91-20-3	Naphthalene	4.60	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\VN121324\
Data File : VN085204.D
Acq On : 13 Dec 2024 18:15
Operator : JC\MD
Sample : P5270-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20241213

Quant Time: Dec 13 23:39:33 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)

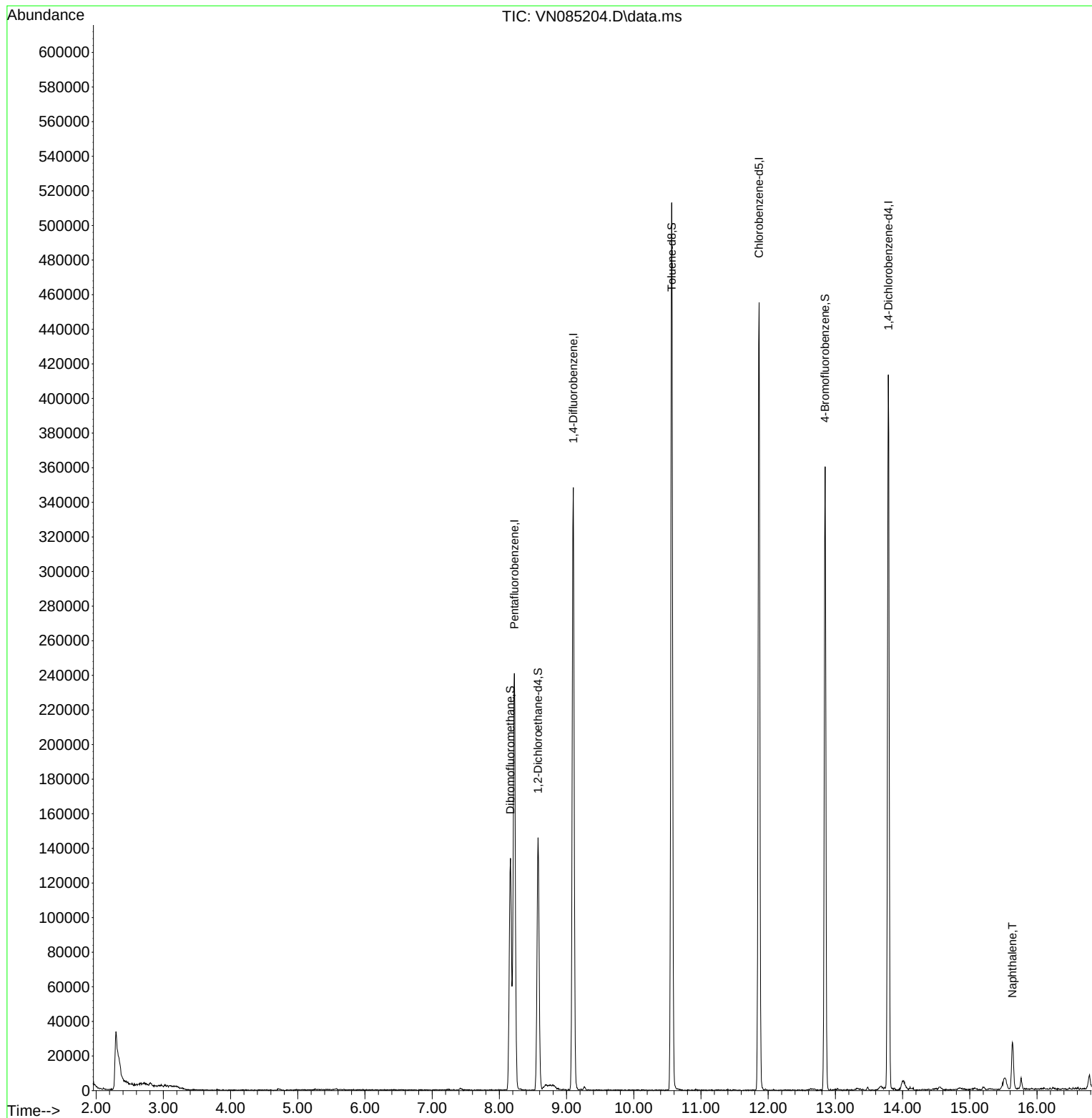
Internal Standards						
1) Pentafluorobenzene	8.224	168	175672	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	302003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	122955	49.136	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.280%
35) Dibromofluoromethane	8.165	113	99154	48.686	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.380%
50) Toluene-d8	10.565	98	350250	47.988	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.980%
62) 4-Bromofluorobenzene	12.847	95	125526	45.989	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.980%
Target Compounds						
95) Naphthalene	15.635	128	29377	4.635	ug/l	Qvalue 99

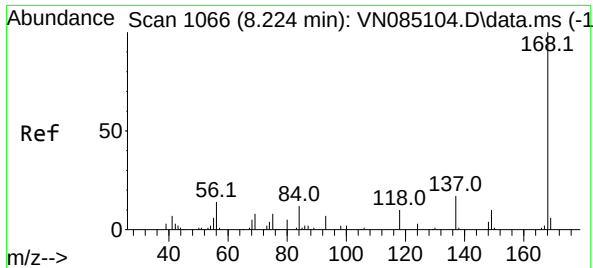
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085204.D
Acq On : 13 Dec 2024 18:15
Operator : JC\MD
Sample : P5270-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20241213

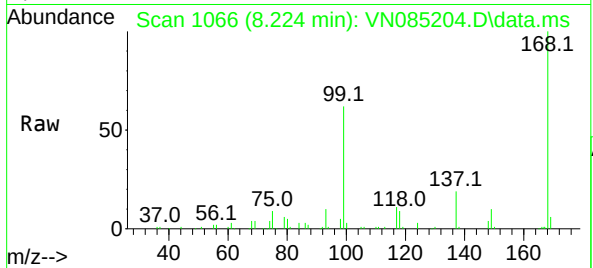
Quant Time: Dec 13 23:39:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 23 02:54:10 2024
Response via : Initial Calibration



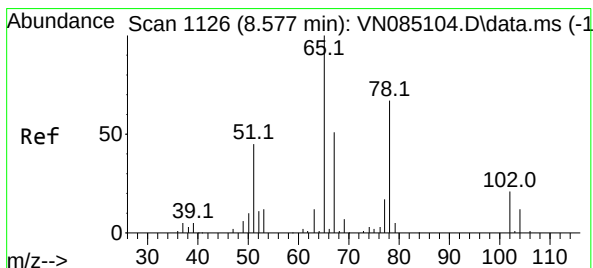
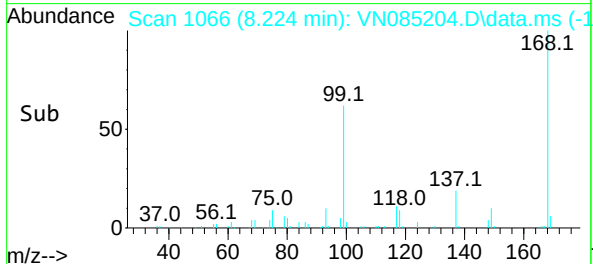
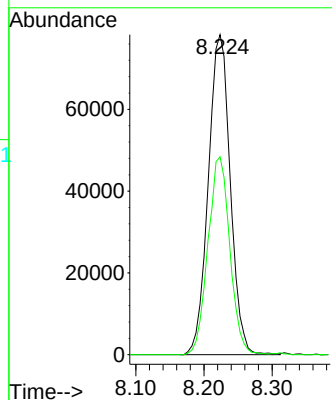


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085204.D
Acq: 13 Dec 2024 18:15

Instrument :
MSVOA_N
ClientSampleId :
TB-20241213

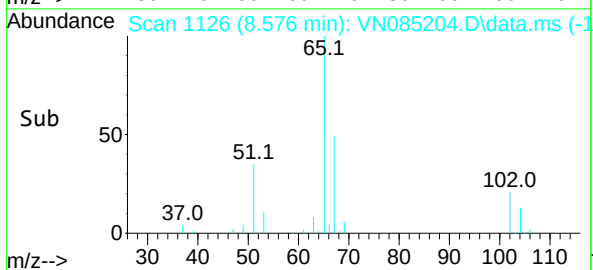
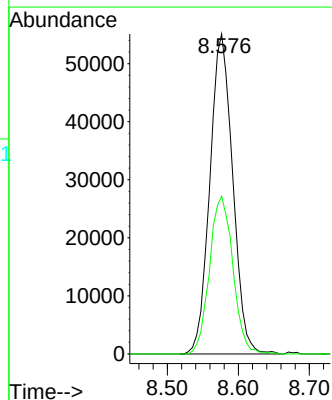
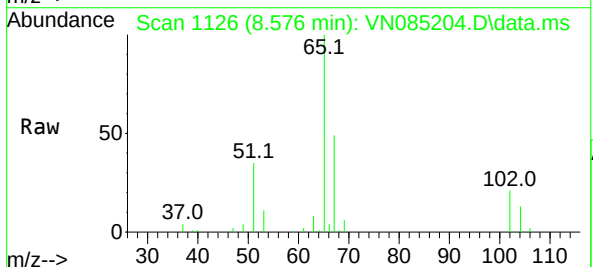


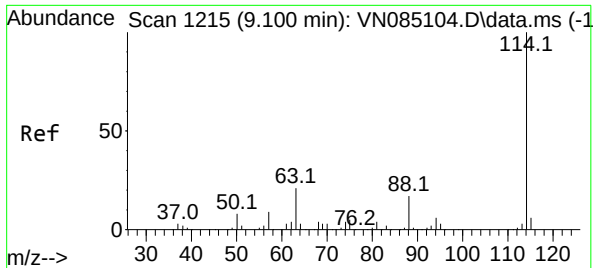
Tgt Ion:168 Resp: 175672
Ion Ratio Lower Upper
168 100
99 61.9 51.2 76.8



#33
1,2-Dichloroethane-d4
Concen: 49.136 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085204.D
Acq: 13 Dec 2024 18:15

Tgt Ion: 65 Resp: 122955
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085204.D

Acq: 13 Dec 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :

TB-20241213

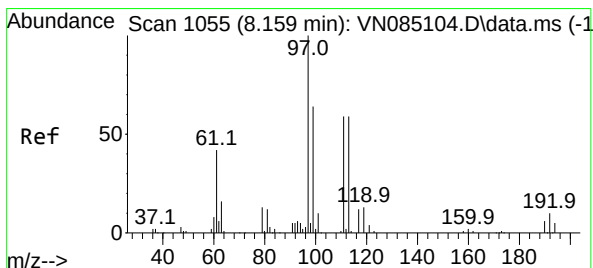
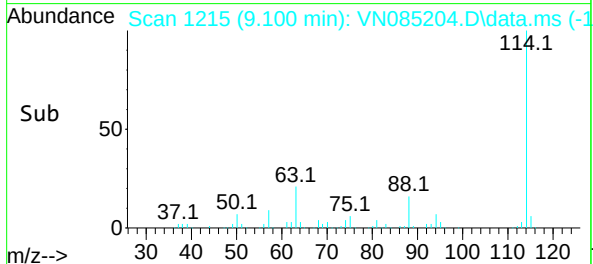
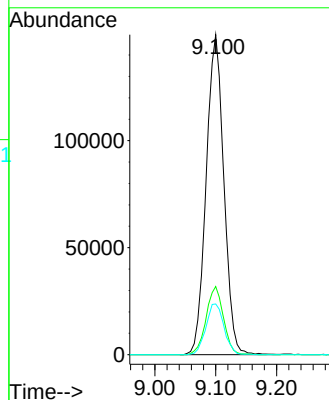
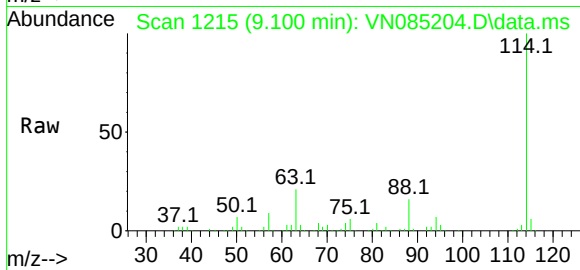
Tgt Ion:114 Resp: 302003

Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.0

88 15.8 0.0 34.8



#35

Dibromofluoromethane

Concen: 48.686 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085204.D

Acq: 13 Dec 2024 18:15

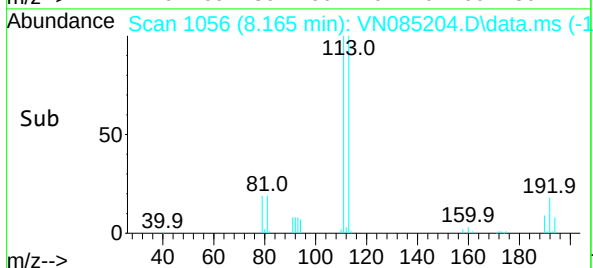
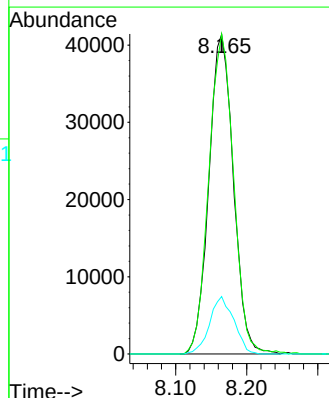
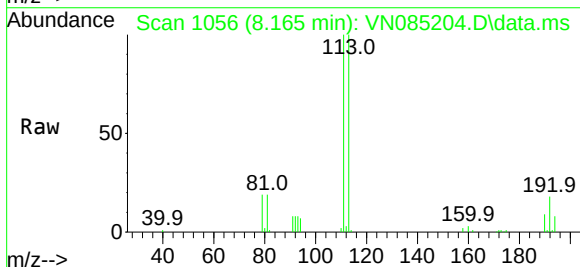
Tgt Ion:113 Resp: 99154

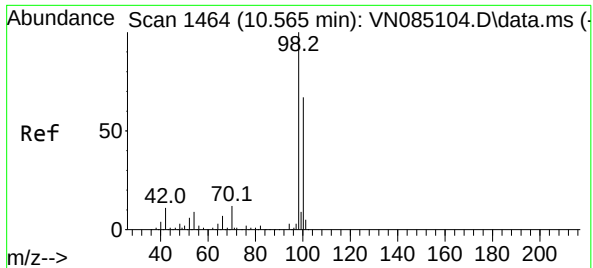
Ion Ratio Lower Upper

113 100

111 101.0 82.0 123.0

192 17.8 14.8 22.2

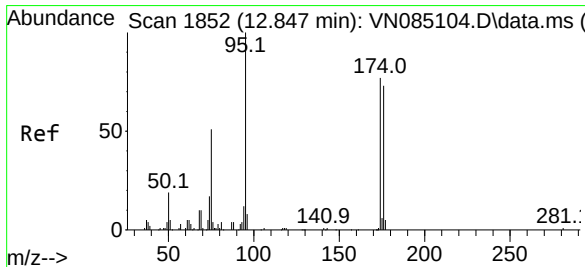
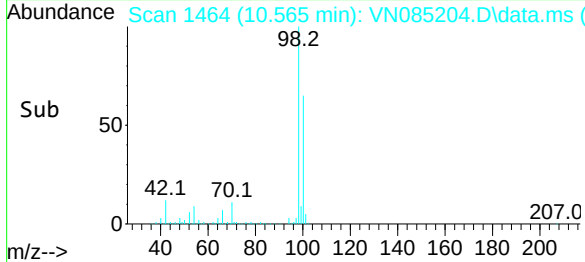
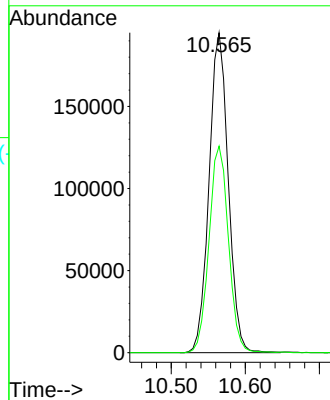
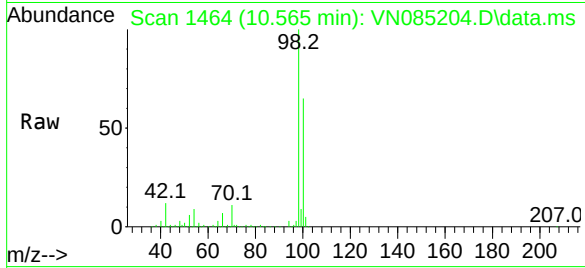




#50
Toluene-d8
Concen: 47.988 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085204.D
Acq: 13 Dec 2024 18:15

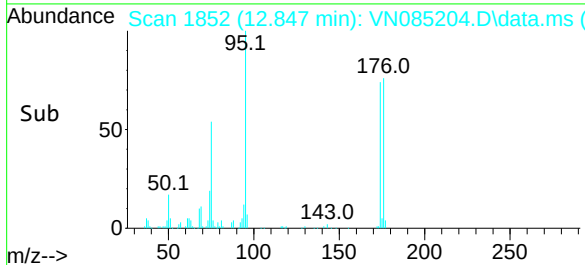
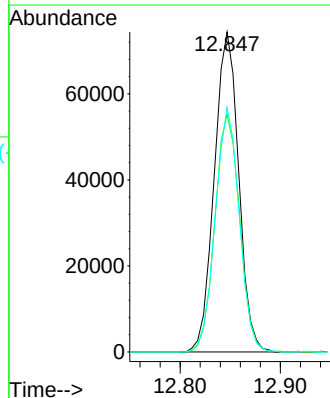
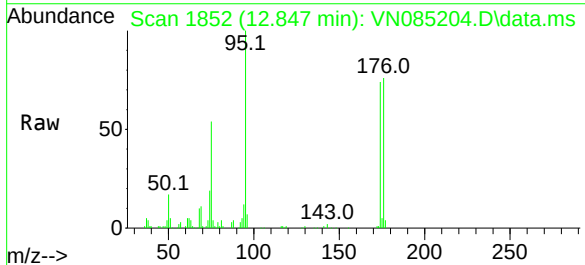
Instrument :
MSVOA_N
ClientSampleId :
TB-20241213

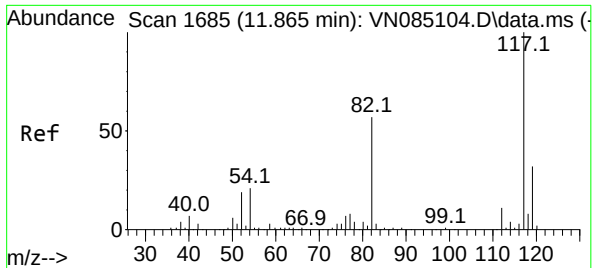
Tgt Ion: 98 Resp: 350250
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 45.989 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085204.D
Acq: 13 Dec 2024 18:15

Tgt Ion: 95 Resp: 125526
Ion Ratio Lower Upper
95 100
174 75.3 0.0 146.6
176 75.3 0.0 141.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085204.D

Acq: 13 Dec 2024 18:15

Instrument :

MSVOA_N

ClientSampleId :

TB-20241213

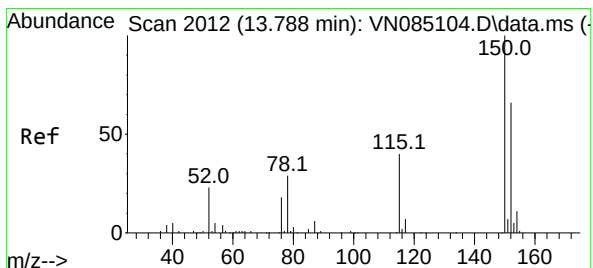
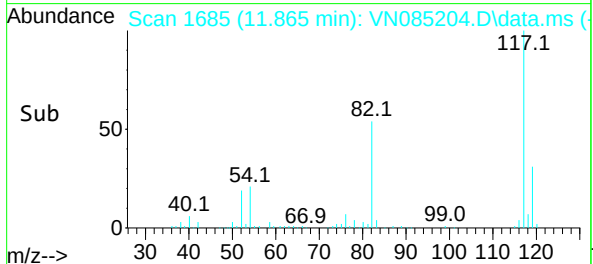
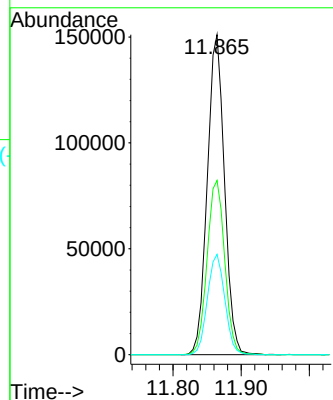
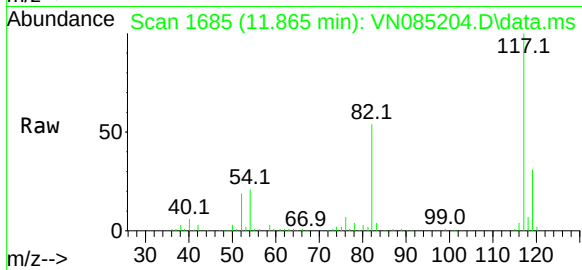
Tgt Ion:117 Resp: 265365

Ion Ratio Lower Upper

117 100

82 54.4 46.0 69.0

119 31.3 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: VN085204.D

Acq: 13 Dec 2024 18:15

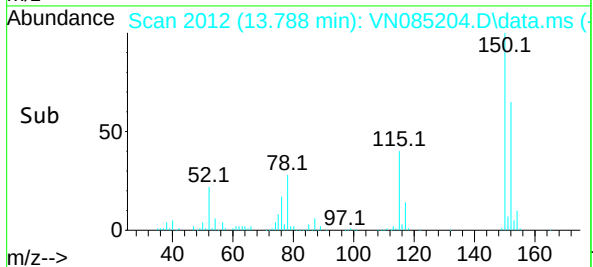
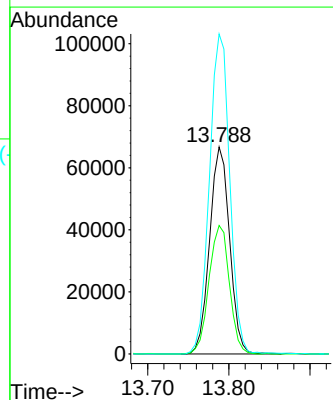
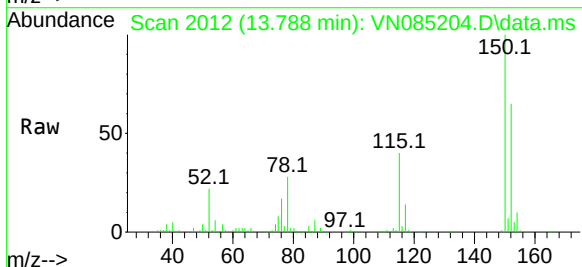
Tgt Ion:152 Resp: 114150

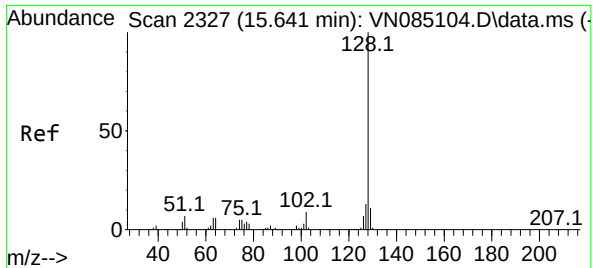
Ion Ratio Lower Upper

152 100

115 63.3 31.7 95.1

150 157.2 0.0 351.4





#95

Naphthalene

Concen: 4.635 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN085204.D

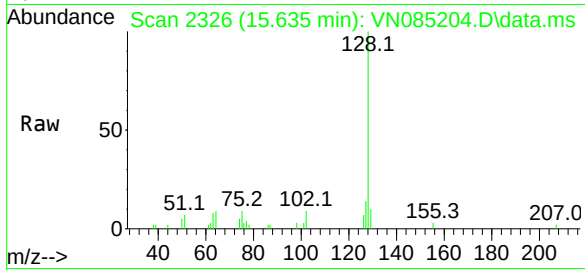
Acq: 13 Dec 2024 18:15

Instrument :

MSVOA_N

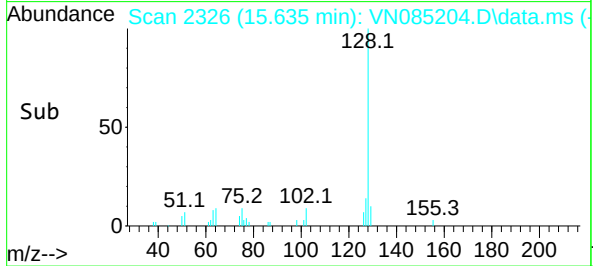
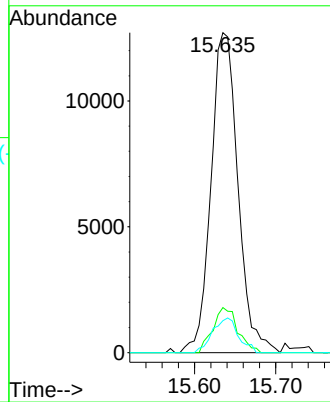
ClientSampleId :

TB-20241213



Tgt Ion:128 Resp: 29377

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.4	8.6	12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085204.D
Acq On : 13 Dec 2024 18:15
Operator : JC\MD
Sample : P5270-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-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: VN085204.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	78	rBV	33417	142190	15.30%	2.741%
2	8.165	1046	1056	1060	rBV	133939	313732	33.75%	6.047%
3	8.224	1060	1066	1078	rVB	240467	542383	58.35%	10.454%
4	8.576	1117	1126	1136	rBV	145872	323957	34.85%	6.244%
5	9.100	1205	1215	1229	rBV	348426	709472	76.32%	13.674%
6	10.565	1456	1464	1478	rBV	513004	929578	100.00%	17.917%
7	11.865	1676	1685	1697	rBV	455416	809761	87.11%	15.607%
8	12.847	1845	1852	1862	rVB	360431	604435	65.02%	11.650%
9	13.788	2004	2012	2021	rVB	412523	703991	75.73%	13.569%
10	15.523	2293	2307	2317	rBV6	6743	26861	2.89%	0.518%
11	15.635	2320	2326	2334	rVV	26687	56543	6.08%	1.090%
12	15.764	2343	2348	2355	rVB3	6775	11082	1.19%	0.214%
13	16.782	2513	2521	2522	rBV2	8149	14358	1.54%	0.277%

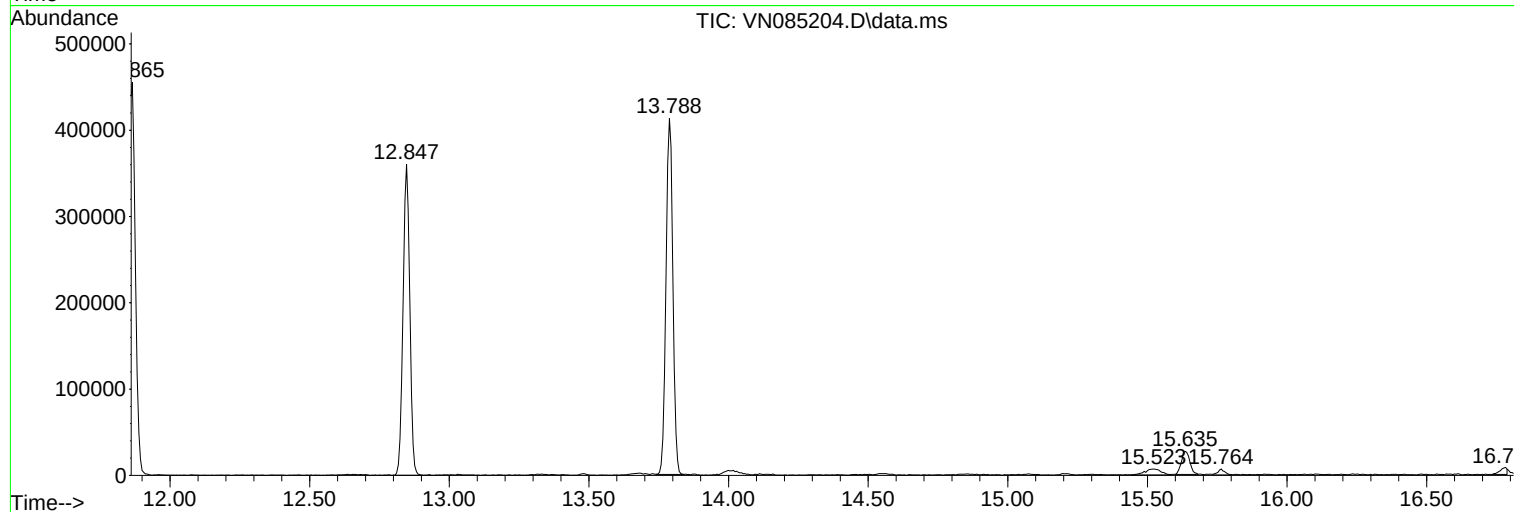
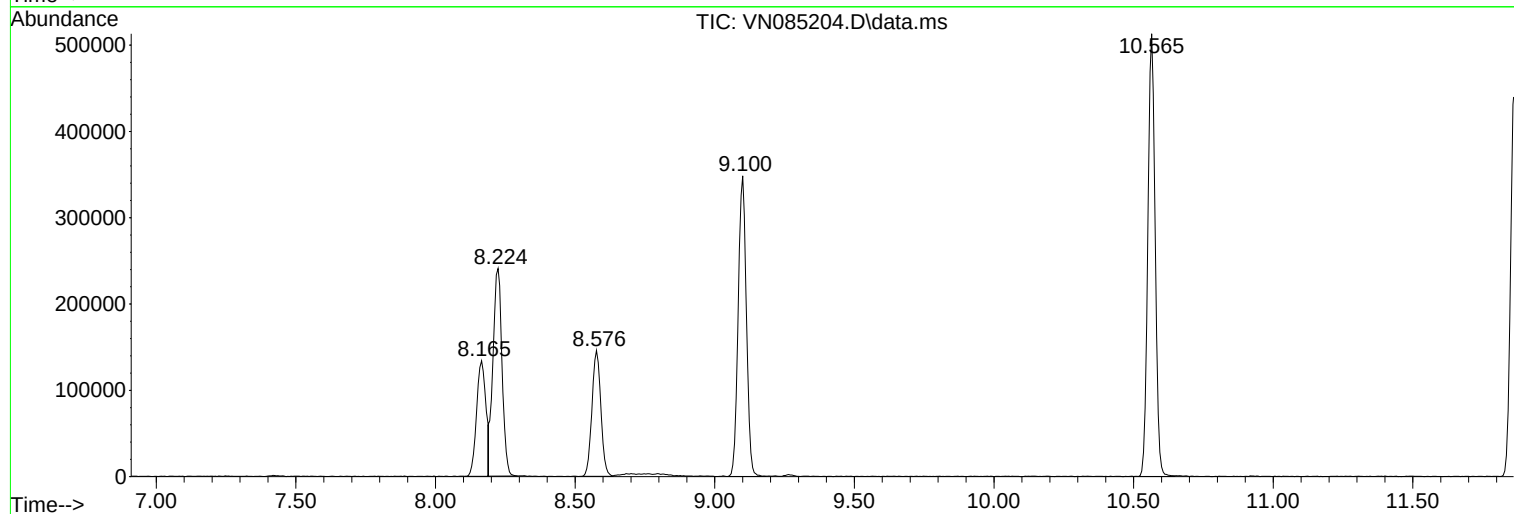
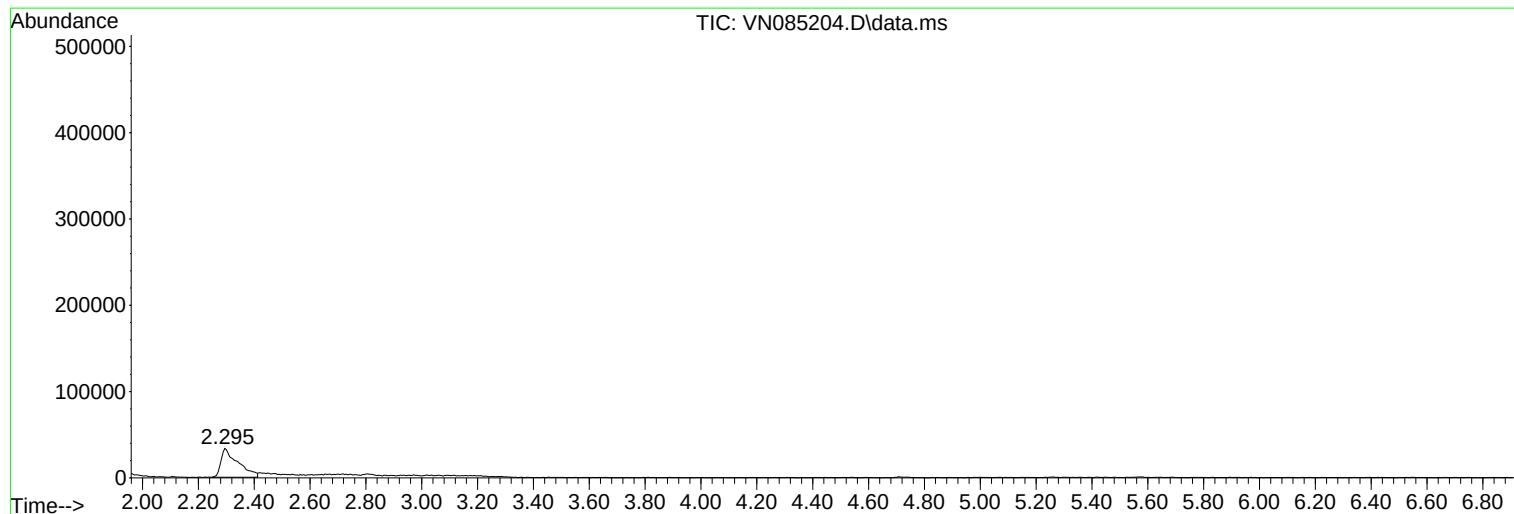
Sum of corrected areas: 5188343

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085204.D
Acq On : 13 Dec 2024 18:15
Operator : JC\MD
Sample : P5270-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-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\VN121324\
Data File : VN085204.D
Acq On : 13 Dec 2024 18:15
Operator : JC\MD
Sample : P5270-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20241213

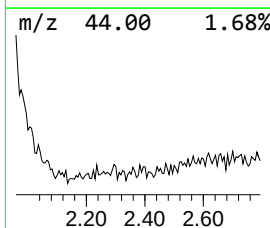
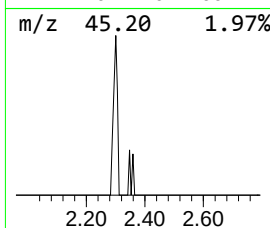
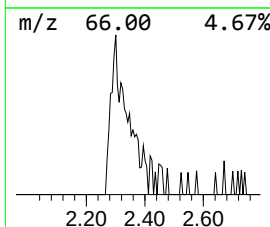
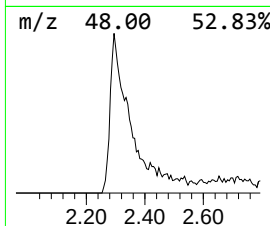
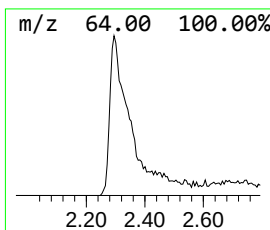
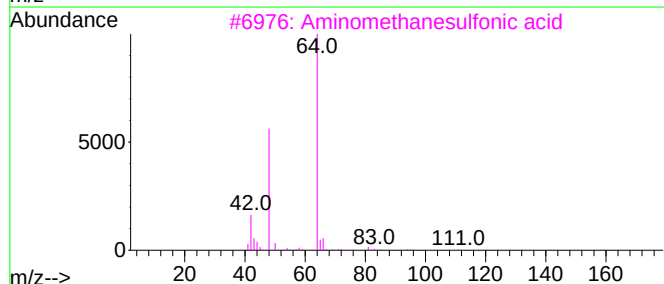
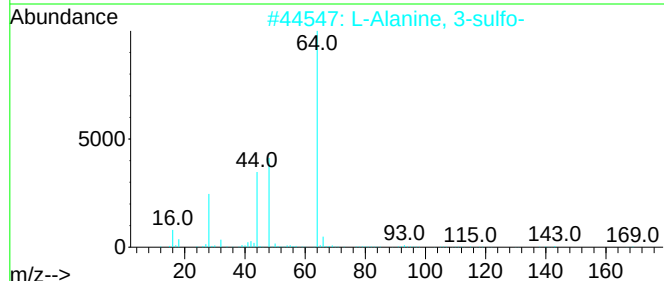
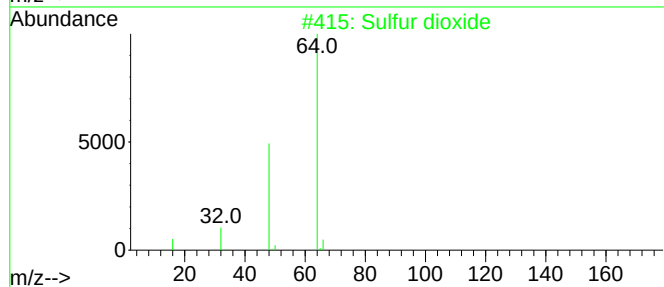
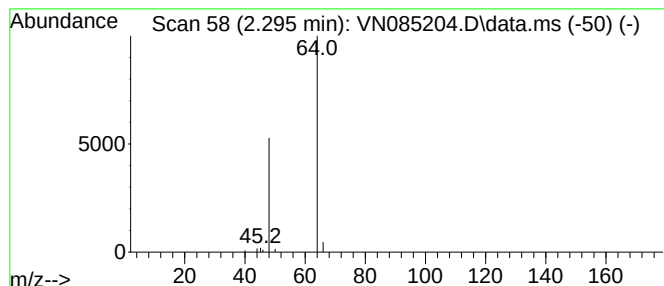
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112224W.M
Quant Title : SW846 8260

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.
2.295	13.11 ug/l	142190	Pentafluorobenzene	8.224

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfur dioxide	64	O2S	007446-09-5	74
2			L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
3			Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	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\VN121324\
Data File : VN085204.D
Acq On : 13 Dec 2024 18:15
Operator : JC\MD
Sample : P5270-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-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
Sulfur dioxide	2.295	13.1	ug/l	142190	1	8.224	542383	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.: P5270 SAS No.: P5270 SDG No.: P5270
 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.: P5270 SAS No.: P5270 SDG No.: P5270
 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

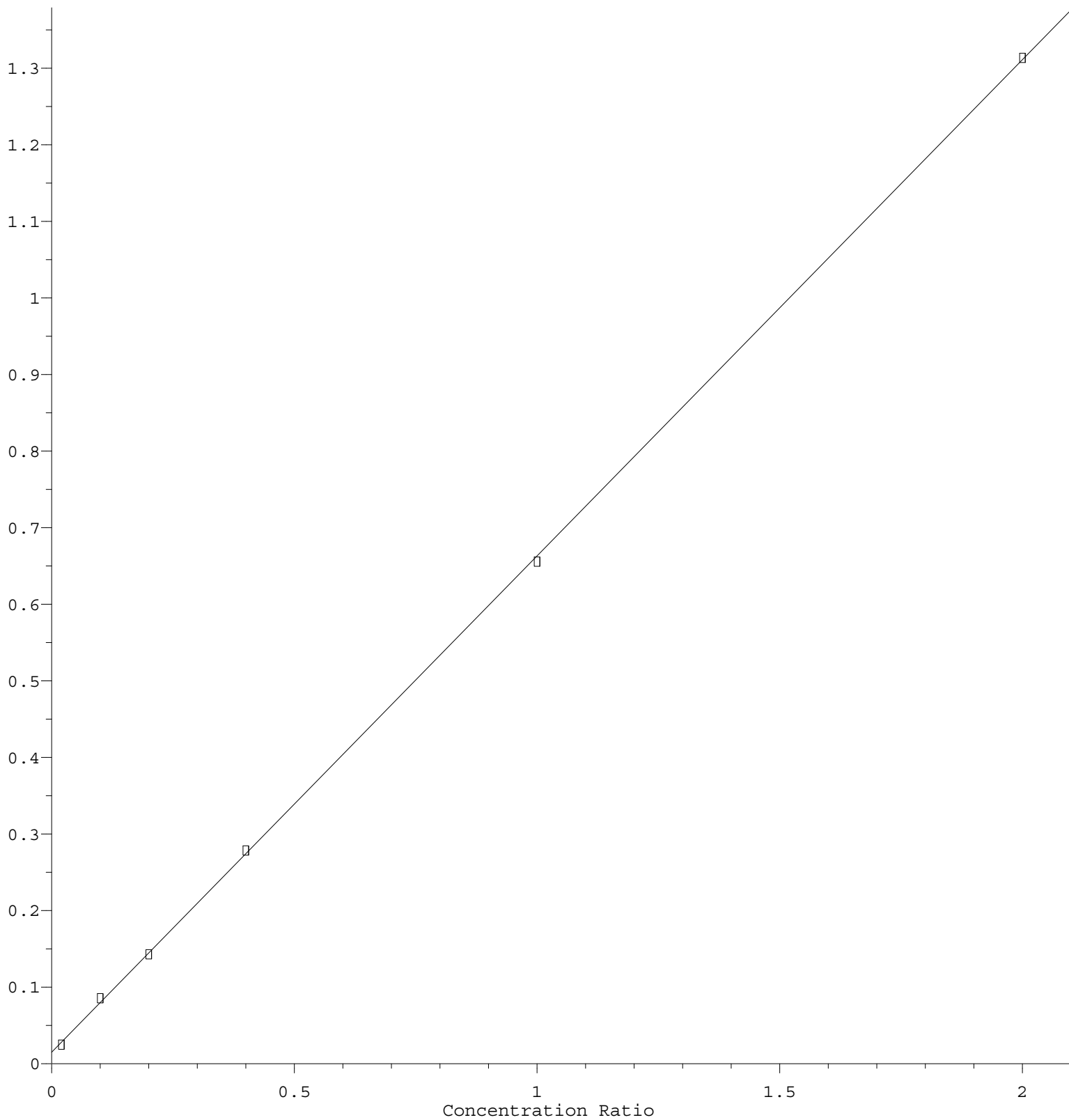
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.558	0.590	0.538	0.567	0.560	0.579	0.565	3.24
3) P	Chloromethane	0.906	0.664	0.603	0.599	0.591	0.572	0.656	19.31
4) C	Vinyl Chloride	0.608	0.608	0.569	0.579	0.575	0.597	0.589	2.87#
5) T	Bromomethane		0.366	0.331	0.327	0.311	0.316	0.330	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

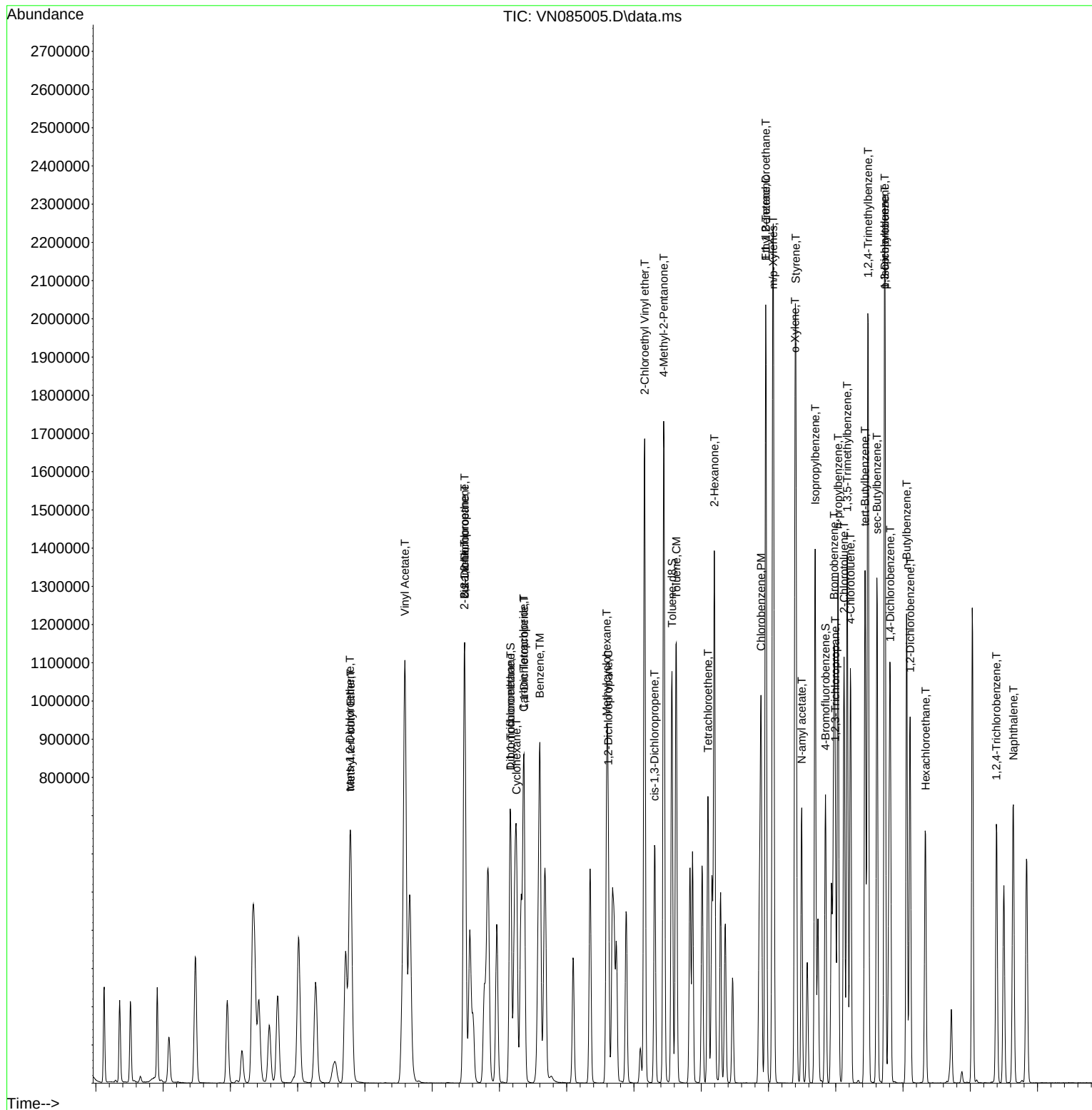
Manual Integrations

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

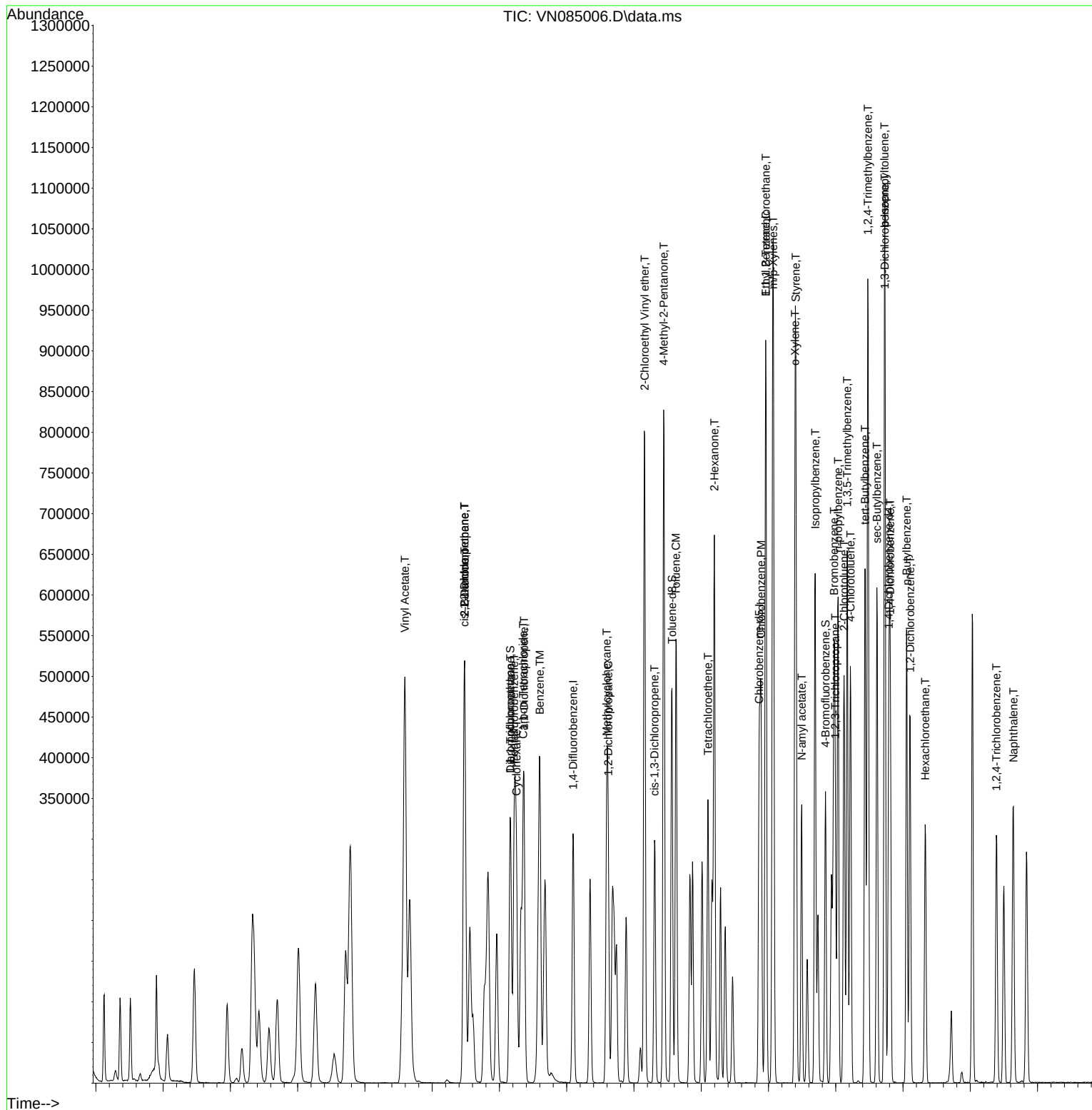
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085006.D
Acq On : 22 Nov 2024 11:46
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

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

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)
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

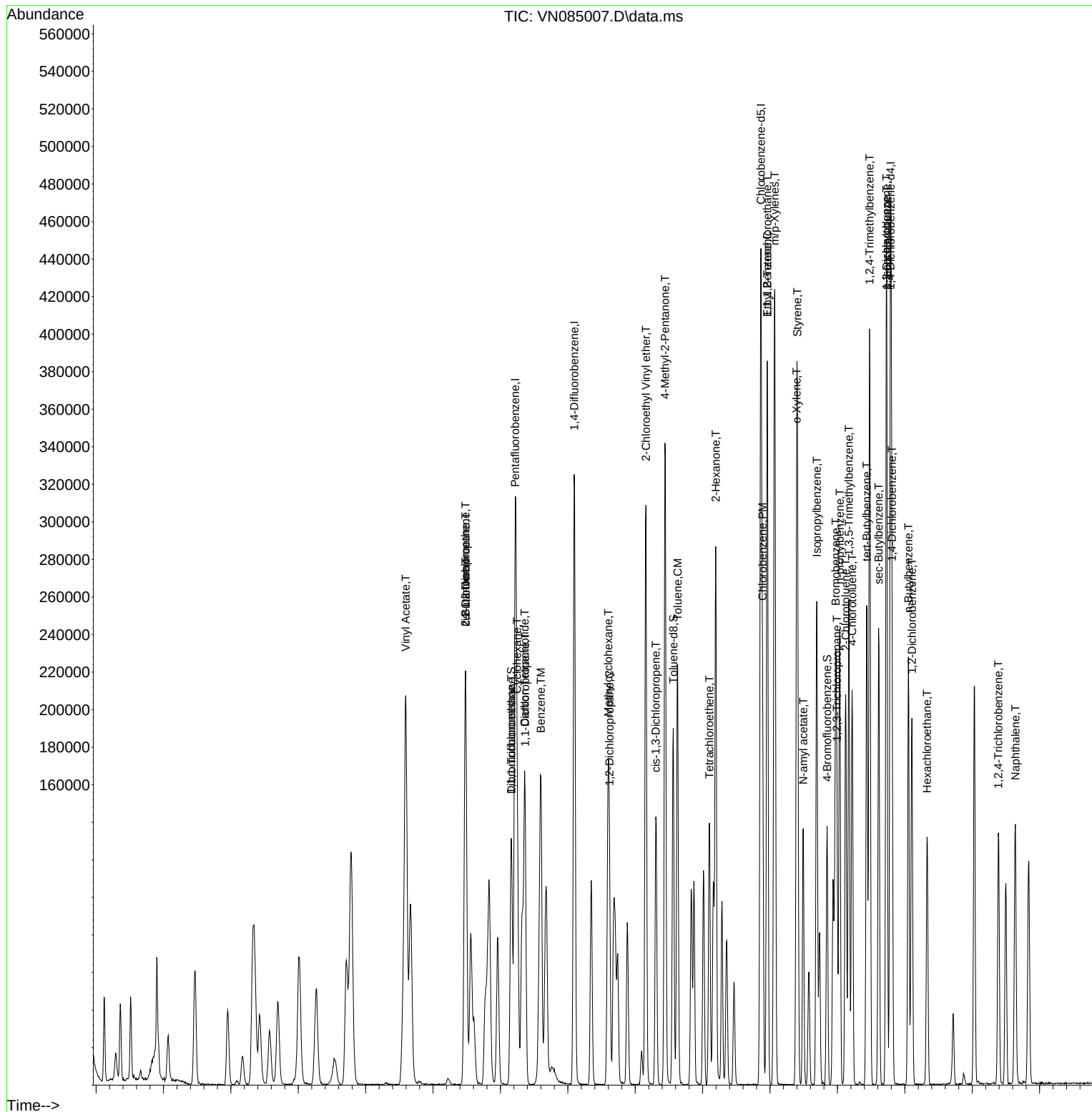
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085007.D
Acq On : 22 Nov 2024 12:10
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

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



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

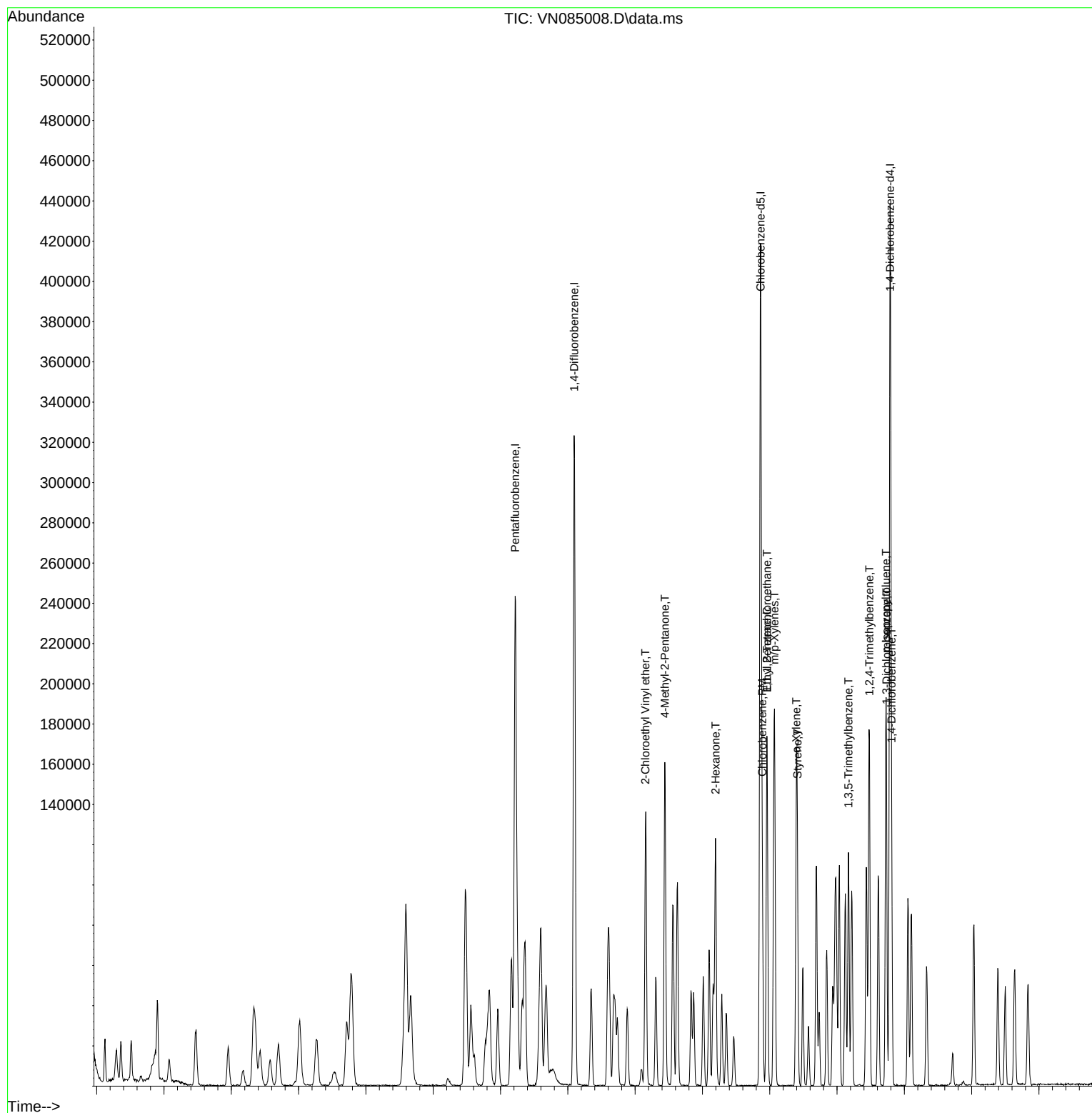
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085008.D
Acq On : 22 Nov 2024 12:34
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
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Reviewed By : John Carlone 11/25/2024
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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

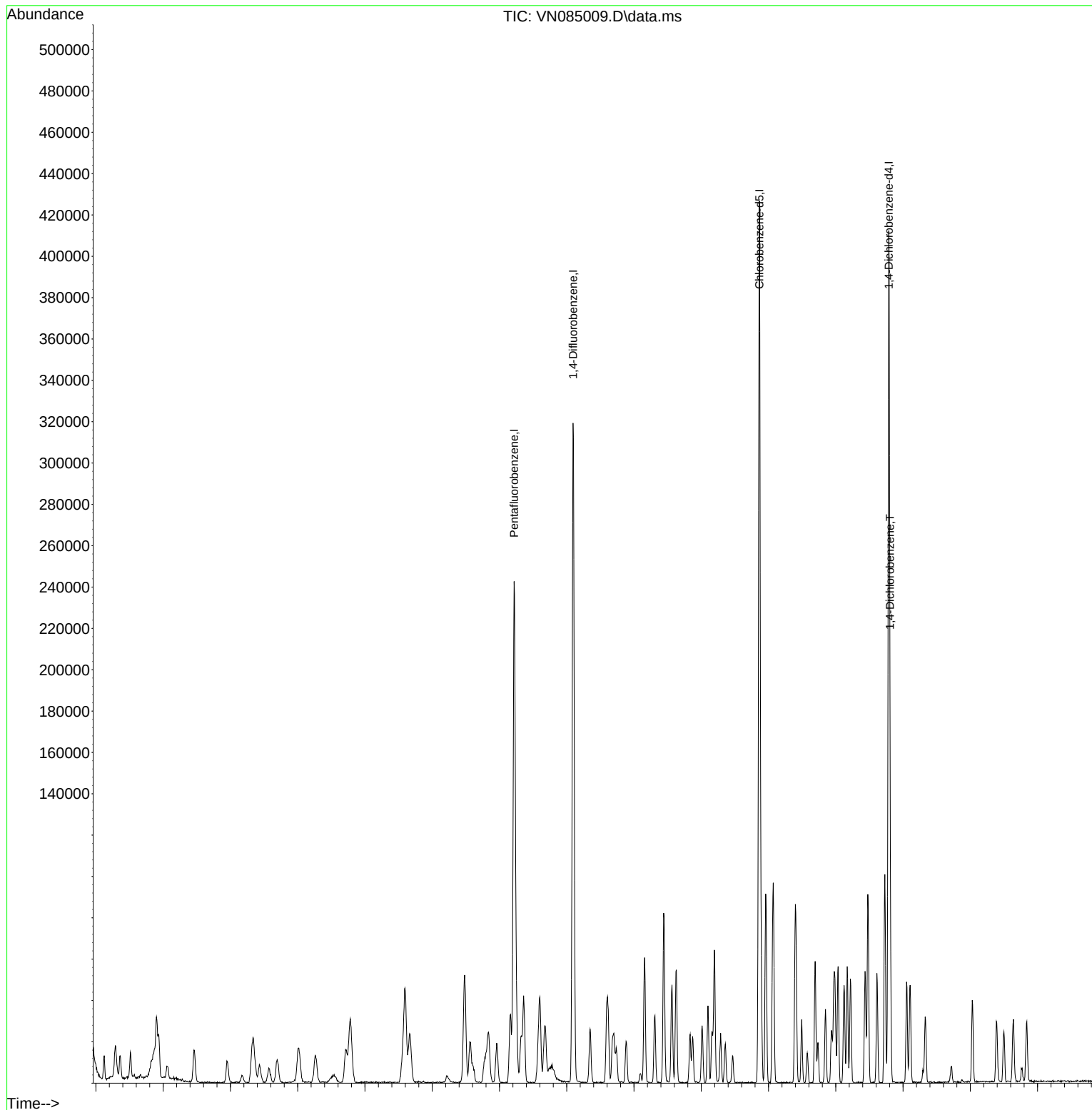
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085009.D
Acq On : 22 Nov 2024 12:57
Operator : JC\MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

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

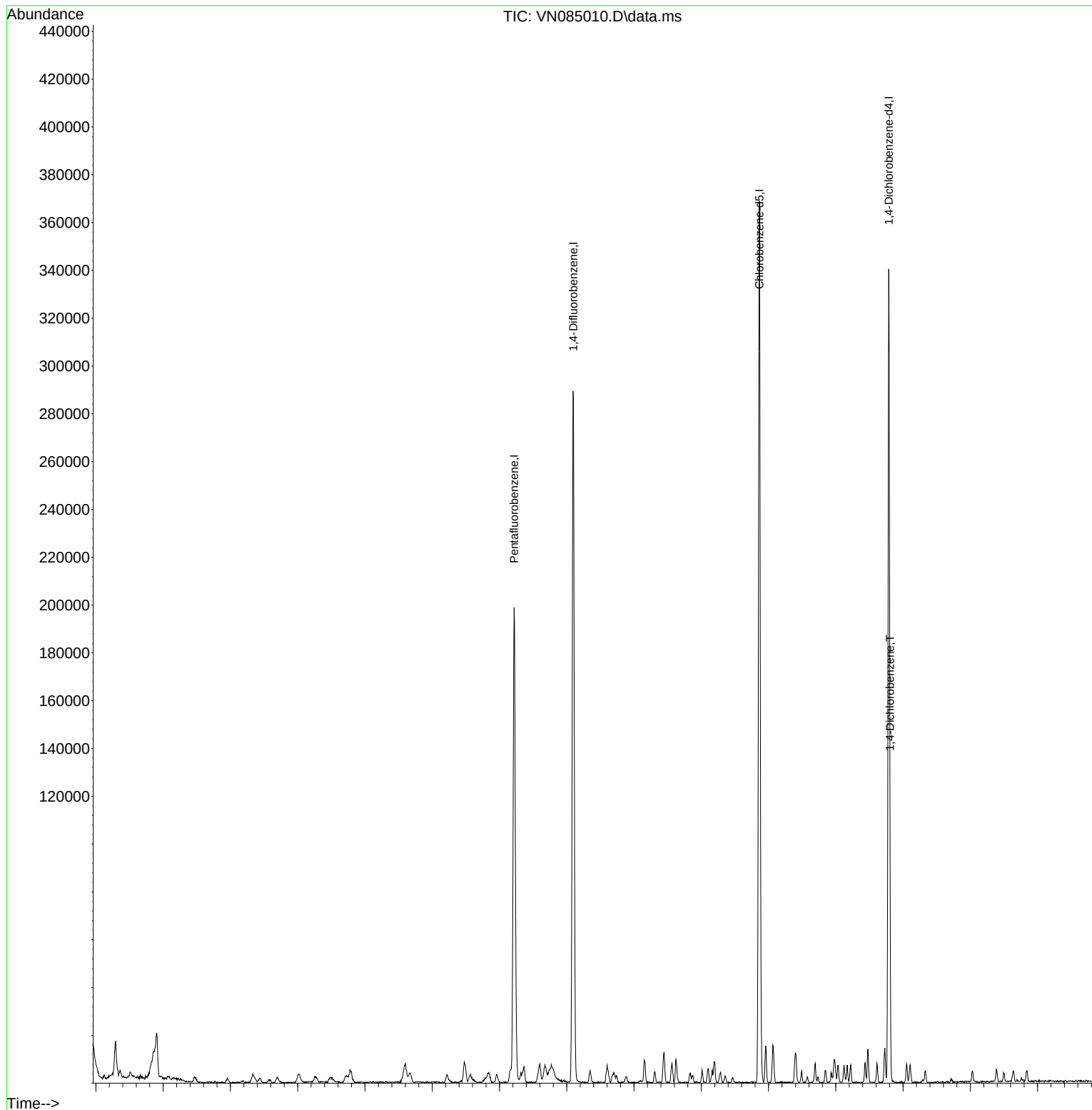
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\
Data File : VN085010.D
Acq On : 22 Nov 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

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

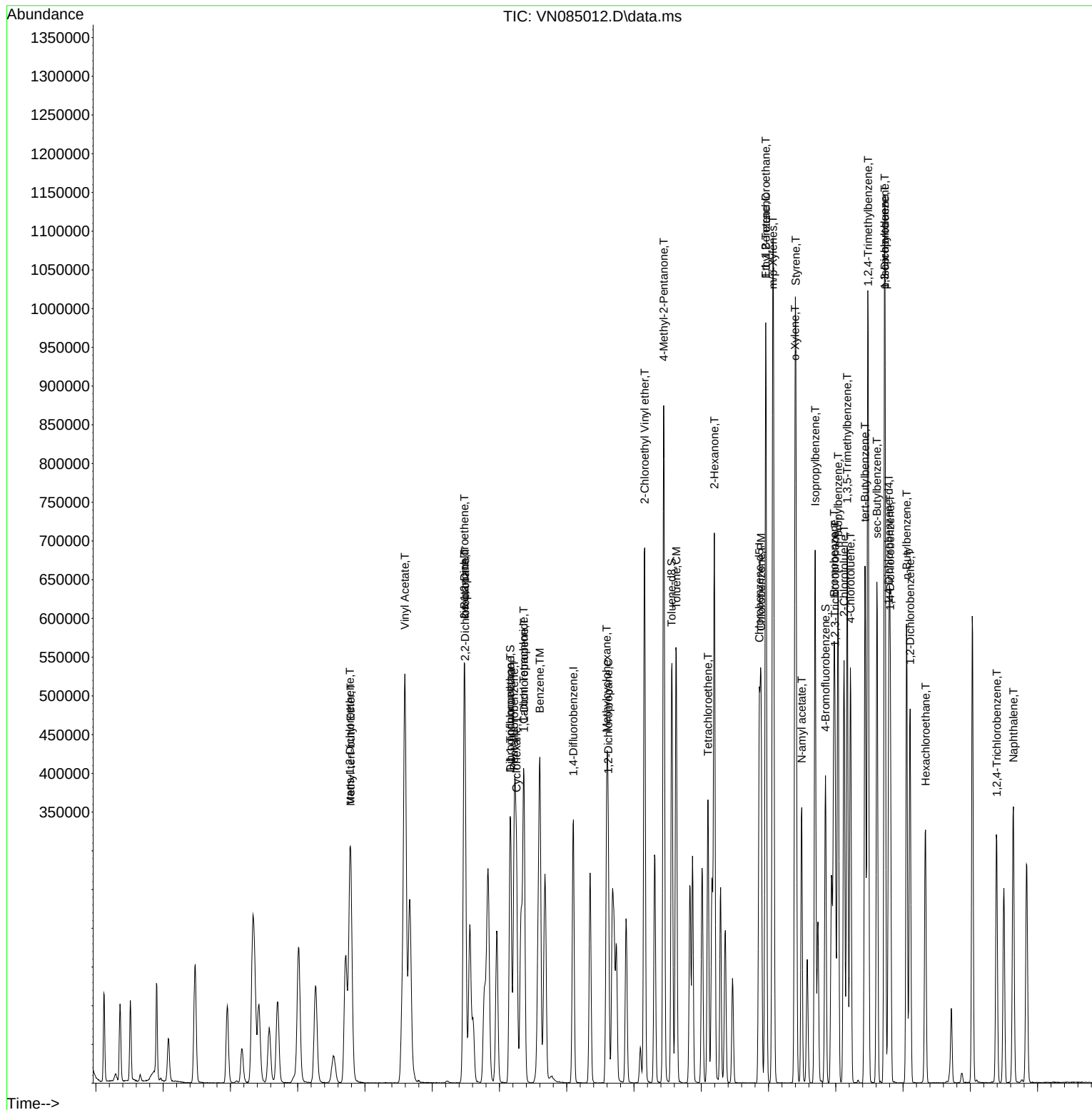

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112224\  
Data File : VN085012.D  
Acq On    : 22 Nov 2024 16:07  
Operator  : JC\MD  
Sample    : VSTDICV050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 11 Sample Multiplier: 1
```

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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5270 SAS No.: P5270 SDG No.: P5270

Instrument ID: MSVOA_N Calibration Date/Time: 12/13/2024 11:54

Lab File ID: VN085189.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	0.807		42.83	20
Chloromethane	0.656	0.707	0.1	7.77	20
Vinyl Chloride	0.589	0.738		25.3	20
Bromomethane	0.330	0.457		38.49	20
Chloroethane	0.397	0.445		12.09	20
Trichlorofluoromethane	1.002	1.168		16.57	20
1,1,2-Trichlorotrifluoroethane	0.569	0.628		10.37	20
1,1-Dichloroethene	0.531	0.584		9.98	20
Acetone	0.207	0.242		16.91	20
Carbon Disulfide	1.566	1.744		11.37	20
Methyl tert-butyl Ether	1.734	1.811		4.44	20
Methyl Acetate	0.804	0.593		-26.24	20
Methylene Chloride	0.633	0.630		-0.47	20
trans-1,2-Dichloroethene	0.558	0.617		10.57	20
1,1-Dichloroethane	1.078	1.098	0.1	1.86	20
Cyclohexane	0.949	0.987		4	20
2-Butanone	0.339	0.343		1.18	20
Carbon Tetrachloride	0.527	0.635		20.49	20
cis-1,2-Dichloroethene	0.673	0.696		3.42	20
Bromochloromethane	0.407	0.366		-10.07	20
Chloroform	1.146	1.157		0.96	20
1,1,1-Trichloroethane	1.036	1.084		4.63	20
Methylcyclohexane	0.475	0.587		23.58	20
Benzene	1.445	1.612		11.63	20
1,2-Dichloroethane	0.494	0.547		10.73	20
Trichloroethene	0.336	0.390		16.07	20
1,2-Dichloropropane	0.356	0.381		7.02	20
Bromodichloromethane	0.524	0.600		14.5	20
4-Methyl-2-Pentanone	0.394	0.438		11.17	20
Toluene	0.855	1.008		17.9	20
t-1,3-Dichloropropene	0.525	0.595		13.33	20
cis-1,3-Dichloropropene	0.557	0.645		15.8	20
1,1,2-Trichloroethane	0.319	0.356		11.6	20
2-Hexanone	0.295	0.347		17.63	20
Dibromochloromethane	0.389	0.455		16.97	20
1,2-Dibromoethane	0.330	0.372		12.73	20
Tetrachloroethene	0.337	0.407		20.77	20
Chlorobenzene	1.134	1.214	0.3	7.05	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.: P5270 SAS No.: P5270 SDG No.: P5270

Instrument ID: MSVOA_N Calibration Date/Time: 12/13/2024 11:54

Lab File ID: VN085189.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	2.149		16.79	20
m/p-Xylenes	0.700	0.824		17.71	20
o-Xylene	0.666	0.778		16.82	20
Styrene	1.108	1.346		21.48	20
Bromoform	0.296	0.340	0.1	14.86	20
Isopropylbenzene	3.527	3.926		11.31	20
1,1,2,2-Tetrachloroethane	1.205	1.068	0.3	-11.3	20
1,3-Dichlorobenzene	1.872	1.796		-4.06	20
1,4-Dichlorobenzene	1.911	1.792		-6.23	20
1,2-Dichlorobenzene	1.794	1.680		-6.36	20
1,2-Dibromo-3-Chloropropane	0.233	0.214		-8.15	20
1,2,4-Trichlorobenzene	0.975	0.879		-9.85	20
1,2,3-Trichlorobenzene	0.930	0.885		-4.84	20
1,2-Dichloroethane-d4	0.712	0.603		-15.31	20
Dibromofluoromethane	0.337	0.318		-5.64	20
Toluene-d8	1.208	1.084		-10.27	20
4-Bromofluorobenzene	0.452	0.423		-6.42	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\VN121324\
 Data File : VN085189.D
 Acq On : 13 Dec 2024 11:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024
 Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 13 23:29:14 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	8.218	168	157227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	244320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	216724	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	111343	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.571	65	94810	42.334	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.660%
35) Dibromofluoromethane	8.159	113	77721	47.172	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.340%
50) Toluene-d8	10.565	98	264839	44.853	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.700%
62) 4-Bromofluorobenzene	12.847	95	103227	46.748	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	126857	71.354	ug/l	97
3) Chloromethane	2.359	50	111230	53.942	ug/l	94
4) Vinyl Chloride	2.512	62	116022	62.611	ug/l	99
5) Bromomethane	2.948	94	71904	69.230	ug/l	98
6) Chloroethane	3.118	64	69934	55.991	ug/l	98
7) Trichlorofluoromethane	3.495	101	183691	58.273	ug/l	100
8) Diethyl Ether	3.959	74	55358	51.597	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	98751	55.234	ug/l	99
10) Methyl Iodide	4.583	142	125236	52.919	ug/l	96
11) Tert butyl alcohol	5.512	59	64023	213.924	ug/l	98
12) 1,1-Dichloroethene	4.342	96	91799	55.009	ug/l	96
13) Acrolein	4.177	56	49328	247.011	ug/l	97
14) Allyl chloride	5.018	41	129424	46.005	ug/l	94
15) Acrylonitrile	5.712	53	201534	237.853	ug/l	100
16) Acetone	4.418	43	190427	291.952	ug/l	97
17) Carbon Disulfide	4.706	76	274279	55.683	ug/l	96
18) Methyl Acetate	5.012	43	93281	44.621	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	284809	52.234	ug/l	99
20) Methylene Chloride	5.271	84	99074	49.777	ug/l	97
21) trans-1,2-Dichloroethene	5.789	96	97021	55.247	ug/l	96
22) Diisopropyl ether	6.665	45	280867	49.605	ug/l	96
23) Vinyl Acetate	6.595	43	1036152	265.260	ug/l	99
24) 1,1-Dichloroethane	6.565	63	172698	50.968	ug/l	98
25) 2-Butanone	7.477	43	270033	253.224	ug/l	99
26) 2,2-Dichloropropane	7.489	77	163174	51.573	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	109458	51.702	ug/l	98
28) Bromochloromethane	7.806	49	57486	44.944	ug/l	92
29) Tetrahydrofuran	7.830	42	165118	248.991	ug/l	98
30) Chloroform	7.959	83	181945	50.480	ug/l	99
31) Cyclohexane	8.253	56	155169	52.013	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	170367	52.307	ug/l	97
36) 1,1-Dichloropropene	8.365	75	128712	57.675	ug/l	99
37) Ethyl Acetate	7.553	43	102711	50.626	ug/l	98
38) Carbon Tetrachloride	8.359	117	155213	60.253	ug/l	98
39) Methylcyclohexane	9.600	83	143296	61.791	ug/l	97
40) Benzene	8.600	78	393772	55.788	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085189.D
 Acq On : 13 Dec 2024 11:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024

Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 13 23:29:14 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	7.771	41	58713	52.268	ug/l	99
42) 1,2-Dichloroethane	8.665	62	133676	55.358	ug/l	99
43) Isopropyl Acetate	8.683	43	182090	43.208	ug/l	97
44) Trichloroethene	9.347	130	95221	58.050	ug/l	93
45) 1,2-Dichloropropane	9.618	63	93184	53.601	ug/l	99
46) Dibromomethane	9.706	93	67452	55.837	ug/l	100
47) Bromodichloromethane	9.883	83	146618	57.266	ug/l	99
48) Methyl methacrylate	9.677	41	85050	54.234	ug/l	98
49) 1,4-Dioxane	9.694	88	25581	940.628	ug/l #	93
51) 4-Methyl-2-Pentanone	10.441	43	535167	278.028	ug/l	99
52) Toluene	10.624	92	246201	58.920	ug/l	100
53) t-1,3-Dichloropropene	10.830	75	145357	56.628	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	157621	57.882	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	87039	55.923	ug/l	95
56) Ethyl methacrylate	10.871	69	139011	61.122	ug/l	99
57) 1,3-Dichloropropane	11.159	76	149846	54.703	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.153	63	344628	308.914	ug/l	99
59) 2-Hexanone	11.188	43	424177	294.645	ug/l	100
60) Dibromochloromethane	11.353	129	111113	58.414	ug/l	100
61) 1,2-Dibromoethane	11.465	107	90976	56.480	ug/l	99
64) Tetrachloroethene	11.100	164	88180	60.383	ug/l	97
65) Chlorobenzene	11.888	112	263159	53.542	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	95504	55.188	ug/l	99
67) Ethyl Benzene	11.959	91	465793	58.413	ug/l	98
68) m/p-Xylenes	12.065	106	357257	117.678	ug/l	99
69) o-Xylene	12.394	106	168667	58.406	ug/l	100
70) Styrene	12.406	104	291629	60.725	ug/l	99
71) Bromoform	12.576	173	73635	57.324	ug/l #	100
73) Isopropylbenzene	12.694	105	437095	55.646	ug/l	100
74) N-amyl acetate	12.488	43	163345	50.465	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	118894	44.326	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	96081m	47.442	ug/l	
77) Bromobenzene	12.976	156	106298	50.288	ug/l	97
78) n-propylbenzene	13.029	91	521950	57.611	ug/l	100
79) 2-Chlorotoluene	13.123	91	317352	52.473	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	380868	57.784	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.729	75	45407	49.495	ug/l	97
82) 4-Chlorotoluene	13.218	91	326513	51.861	ug/l	99
83) tert-Butylbenzene	13.435	119	311960	55.008	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	380928	56.145	ug/l	100
85) sec-Butylbenzene	13.612	105	441084	57.575	ug/l	100
86) p-Isopropyltoluene	13.723	119	373787	59.105	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	199970	47.962	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	199520	46.893	ug/l	99
89) n-Butylbenzene	14.053	91	320284	54.459	ug/l	99
90) Hexachloroethane	14.329	117	70311	51.005	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	187081	46.826	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	23856	45.995	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	97849	45.082	ug/l	96
94) Hexachlorobutadiene	15.494	225	49510	49.426	ug/l	99
95) Naphthalene	15.635	128	285698	46.216	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	98567	47.594	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085189.D
Acq On : 13 Dec 2024 11:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 13 23:29:14 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

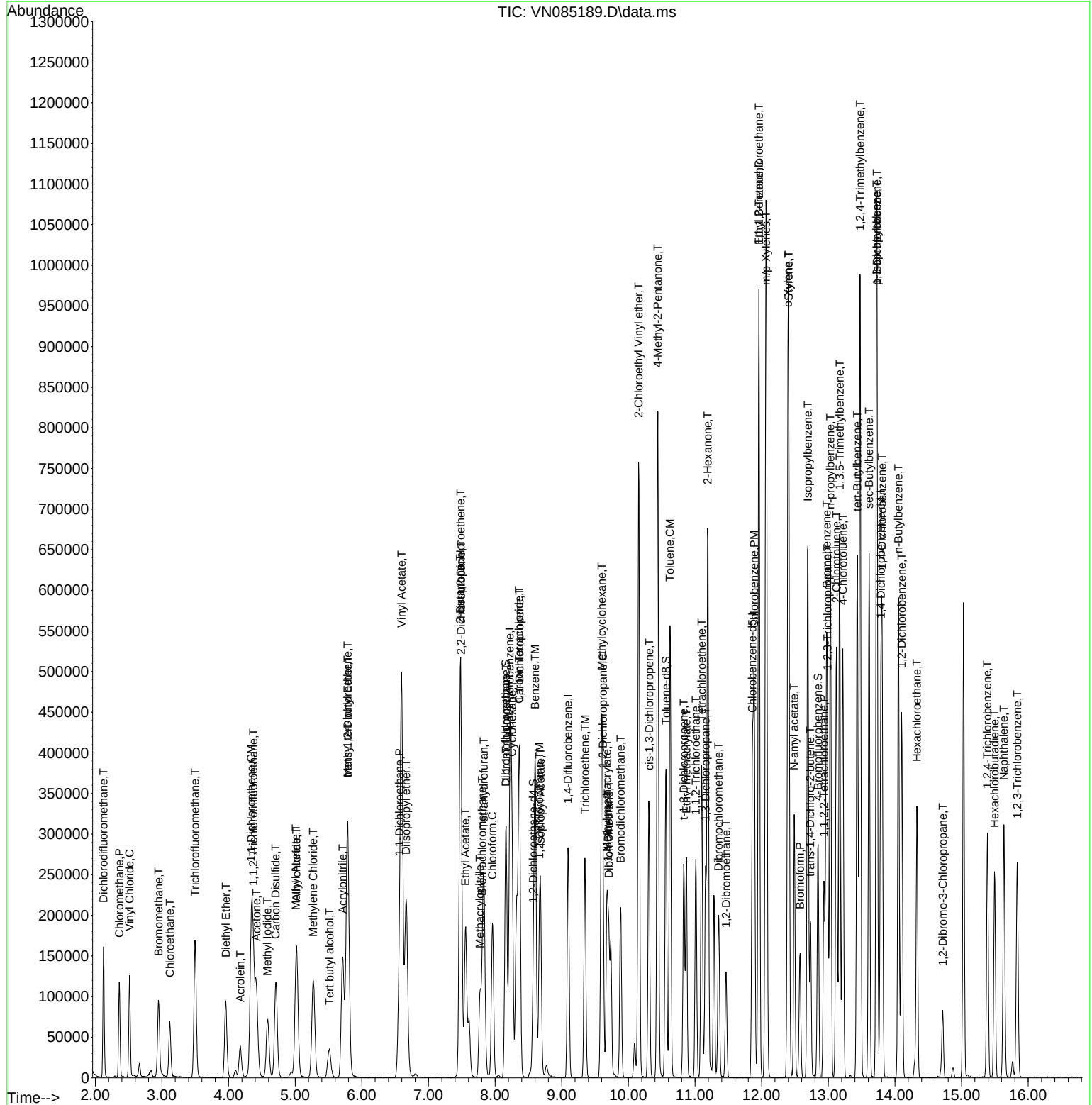
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\  
Data File : VN085189.D  
Acq On    : 13 Dec 2024  11:54  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 13 23:29:14 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\VN121324\
Data File : VN085189.D
Acq On : 13 Dec 2024 11:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 13 23:29:14 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	96	0.00
2 T	Dichlorodifluoromethane	0.565	0.807	-42.8#	139	0.00
3 P	Chloromethane	0.656	0.707	-7.8	115	0.00
4 C	Vinyl Chloride	0.589	0.738	-25.3#	123	0.00
5 T	Bromomethane	0.330	0.457	-38.5#	141	0.05
6 T	Chloroethane	0.397	0.445	-12.1	113	0.05
7 T	Trichlorofluoromethane	1.002	1.168	-16.6	117	0.04
8 T	Diethyl Ether	0.341	0.352	-3.2	97	0.01
9 T	1,1,2-Trichlorotrifluoroeth	0.569	0.628	-10.4	110	0.02
10 T	Methyl Iodide	0.753	0.797	-5.8	103	0.01
11 T	Tert butyl alcohol	0.095	0.081	14.7	87	-0.03
12 CM	1,1-Dichloroethene	0.531	0.584	-10.0#	107	0.02
13 T	Acrolein	0.064	0.063	1.6	86	0.01
14 T	Allyl chloride	0.895	0.823	8.0	89	0.01
15 T	Acrylonitrile	0.269	0.256	4.8	94	0.00
16 T	Acetone	0.207	0.242	-16.9	115	0.00
17 T	Carbon Disulfide	1.566	1.744	-11.4	114	0.01
18 T	Methyl Acetate	0.804	0.593	26.2#	87	0.00
19 T	Methyl tert-butyl Ether	1.734	1.811	-4.4	99	0.00
20 T	Methylene Chloride	0.633	0.630	0.5	103	0.00
21 T	trans-1,2-Dichloroethene	0.558	0.617	-10.6	106	0.02
22 T	Diisopropyl ether	1.801	1.786	0.8	97	0.00
23 T	Vinyl Acetate	1.242	1.318	-6.1	98	0.00
24 P	1,1-Dichloroethane	1.078	1.098	-1.9	101	0.01
25 T	2-Butanone	0.339	0.343	-1.2	100	0.00
26 T	2,2-Dichloropropane	1.006	1.038	-3.2	101	0.00
27 T	cis-1,2-Dichloroethene	0.673	0.696	-3.4	102	0.00
28 T	Bromochloromethane	0.407	0.366	10.1	89	0.00
29 T	Tetrahydrofuran	0.211	0.210	0.5	94	0.00
30 C	Chloroform	1.146	1.157	-1.0#	101	0.00
31 T	Cyclohexane	0.949	0.987	-4.0	108	0.00
32 T	1,1,1-Trichloroethane	1.036	1.084	-4.6	103	0.00
33 S	1,2-Dichloroethane-d4	0.712	0.603	15.3	82	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35 S	Dibromofluoromethane	0.337	0.318	5.6	84	0.00
36 T	1,1-Dichloropropene	0.457	0.527	-15.3	104	0.00
37 T	Ethyl Acetate	0.415	0.420	-1.2	94	0.00
38 T	Carbon Tetrachloride	0.527	0.635	-20.5	107	0.00
39 T	Methylcyclohexane	0.475	0.587	-23.6	104	0.00
40 TM	Benzene	1.444	1.612	-11.6	102	0.00
41 T	Methacrylonitrile	0.230	0.240	-4.3	94	0.00
42 TM	1,2-Dichloroethane	0.494	0.547	-10.7	102	0.00
43 T	Isopropyl Acetate	0.862	0.745	13.6	89	0.00
44 TM	Trichloroethene	0.336	0.390	-16.1	107	0.00
45 C	1,2-Dichloropropane	0.356	0.381	-7.0#	98	0.00
46 T	Dibromomethane	0.247	0.276	-11.7	102	0.00
47 T	Bromodichloromethane	0.524	0.600	-14.5	103	0.00
48 T	Methyl methacrylate	0.321	0.348	-8.4	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085189.D
 Acq On : 13 Dec 2024 11:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 13 23:29:14 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	81	0.00
50 S	Toluene-d8	1.208	1.084	10.3	78	0.00
51 T	4-Methyl-2-Pentanone	0.394	0.438	-11.2	97	0.00
52 CM	Toluene	0.855	1.008	-17.9#	102	0.00
53 T	t-1,3-Dichloropropene	0.525	0.595	-13.3	98	0.00
54 T	cis-1,3-Dichloropropene	0.557	0.645	-15.8	101	0.00
55 T	1,1,2-Trichloroethane	0.319	0.356	-11.6	100	0.00
56 T	Ethyl methacrylate	0.465	0.569	-22.4	99	0.00
57 T	1,3-Dichloropropane	0.561	0.613	-9.3	99	0.00
58 T	2-Chloroethyl Vinyl ether	0.228	0.282	-23.7	94	0.00
59 T	2-Hexanone	0.295	0.347	-17.6	100	0.00
60 T	Dibromochloromethane	0.389	0.455	-17.0	106	0.00
61 T	1,2-Dibromoethane	0.330	0.372	-12.7	102	0.00
62 S	4-Bromofluorobenzene	0.452	0.423	6.4	81	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64 T	Tetrachloroethene	0.337	0.407	-20.8	116	0.00
65 PM	Chlorobenzene	1.134	1.214	-7.1	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.399	0.441	-10.5	103	0.00
67 C	Ethyl Benzene	1.840	2.149	-16.8#	103	0.00
68 T	m/p-Xylenes	0.700	0.824	-17.7	104	0.00
69 T	o-Xylene	0.666	0.778	-16.8	103	0.00
70 T	Styrene	1.108	1.346	-21.5	105	0.00
71 P	Bromoform	0.296	0.340	-14.9	102	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73 T	Isopropylbenzene	3.527	3.926	-11.3	105	0.00
74 T	N-amyl acetate	1.454	1.467	-0.9	92	0.00
75 P	1,1,2,2-Tetrachloroethane	1.204	1.068	11.3	94	0.00
76 T	1,2,3-Trichloropropane	0.909	0.863	5.1	93	0.00
77 T	Bromobenzene	0.949	0.955	-0.6	101	0.00
78 T	n-propylbenzene	4.068	4.688	-15.2	108	0.00
79 T	2-Chlorotoluene	2.716	2.850	-4.9	104	0.00
80 T	1,3,5-Trimethylbenzene	2.960	3.421	-15.6	106	0.00
81 T	trans-1,4-Dichloro-2-butene	0.412	0.408	1.0	97	0.00
82 T	4-Chlorotoluene	2.827	2.932	-3.7	103	0.00
83 T	tert-Butylbenzene	2.547	2.802	-10.0	104	0.00
84 T	1,2,4-Trimethylbenzene	3.047	3.421	-12.3	103	0.00
85 T	sec-Butylbenzene	3.440	3.961	-15.1	105	0.00
86 T	p-Isopropyltoluene	2.840	3.357	-18.2	106	0.00
87 T	1,3-Dichlorobenzene	1.872	1.796	4.1	102	0.00
88 T	1,4-Dichlorobenzene	1.911	1.792	6.2	99	0.00
89 T	n-Butylbenzene	2.641	2.877	-8.9	105	0.00
90 T	Hexachloroethane	0.619	0.631	-1.9	101	0.00
91 T	1,2-Dichlorobenzene	1.794	1.680	6.4	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.214	8.2	95	0.00
93 T	1,2,4-Trichlorobenzene	0.975	0.879	9.8	95	0.00
94 T	Hexachlorobutadiene	0.450	0.445	1.1	107	0.00
95 T	Naphthalene	2.776	2.566	7.6	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085189.D
Acq On : 13 Dec 2024 11:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 13 23:29:14 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	0.885	4.8	96	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085189.D
 Acq On : 13 Dec 2024 11:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 13 23:29:14 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	96	0.00
2 T	Dichlorodifluoromethane	50.000	71.354	-42.7#	139	0.00
3 P	Chloromethane	50.000	53.942	-7.9	115	0.00
4 C	Vinyl Chloride	50.000	62.611	-25.2#	123	0.00
5 T	Bromomethane	50.000	69.230	-38.5#	141	0.05
6 T	Chloroethane	50.000	55.991	-12.0	113	0.05
7 T	Trichlorofluoromethane	50.000	58.273	-16.5	117	0.04
8 T	Diethyl Ether	50.000	51.597	-3.2	97	0.01
9 T	1,1,2-Trichlorotrifluoroeth	50.000	55.234	-10.5	110	0.02
10 T	Methyl Iodide	50.000	52.919	-5.8	103	0.01
11 T	Tert butyl alcohol	250.000	213.924	14.4	87	-0.03
12 CM	1,1-Dichloroethene	50.000	55.009	-10.0#	107	0.02
13 T	Acrolein	250.000	247.011	1.2	86	0.01
14 T	Allyl chloride	50.000	46.005	8.0	89	0.01
15 T	Acrylonitrile	250.000	237.853	4.9	94	0.00
16 T	Acetone	250.000	291.952	-16.8	115	0.00
17 T	Carbon Disulfide	50.000	55.683	-11.4	114	0.01
18 T	Methyl Acetate	50.000	44.621	10.8	87	0.00
19 T	Methyl tert-butyl Ether	50.000	52.234	-4.5	99	0.00
20 T	Methylene Chloride	50.000	49.777	0.4	103	0.00
21 T	trans-1,2-Dichloroethene	50.000	55.247	-10.5	106	0.02
22 T	Diisopropyl ether	50.000	49.605	0.8	97	0.00
23 T	Vinyl Acetate	250.000	265.260	-6.1	98	0.00
24 P	1,1-Dichloroethane	50.000	50.968	-1.9	101	0.01
25 T	2-Butanone	250.000	253.224	-1.3	100	0.00
26 T	2,2-Dichloropropane	50.000	51.573	-3.1	101	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.702	-3.4	102	0.00
28 T	Bromochloromethane	50.000	44.944	10.1	89	0.00
29 T	Tetrahydrofuran	250.000	248.991	0.4	94	0.00
30 C	Chloroform	50.000	50.480	-1.0#	101	0.00
31 T	Cyclohexane	50.000	52.013	-4.0	108	0.00
32 T	1,1,1-Trichloroethane	50.000	52.307	-4.6	103	0.00
33 S	1,2-Dichloroethane-d4	50.000	42.334	15.3	82	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35 S	Dibromofluoromethane	50.000	47.172	5.7	84	0.00
36 T	1,1-Dichloropropene	50.000	57.675	-15.3	104	0.00
37 T	Ethyl Acetate	50.000	50.626	-1.3	94	0.00
38 T	Carbon Tetrachloride	50.000	60.253	-20.5	107	0.00
39 T	Methylcyclohexane	50.000	61.791	-23.6	104	0.00
40 TM	Benzene	50.000	55.788	-11.6	102	0.00
41 T	Methacrylonitrile	50.000	52.268	-4.5	94	0.00
42 TM	1,2-Dichloroethane	50.000	55.358	-10.7	102	0.00
43 T	Isopropyl Acetate	50.000	43.208	13.6	89	0.00
44 TM	Trichloroethene	50.000	58.050	-16.1	107	0.00
45 C	1,2-Dichloropropane	50.000	53.601	-7.2#	98	0.00
46 T	Dibromomethane	50.000	55.837	-11.7	102	0.00
47 T	Bromodichloromethane	50.000	57.266	-14.5	103	0.00
48 T	Methyl methacrylate	50.000	54.234	-8.5	95	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085189.D
 Acq On : 13 Dec 2024 11:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Dec 13 23:29:14 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	940.628	5.9	81	0.00
50 S	Toluene-d8	50.000	44.853	10.3	78	0.00
51 T	4-Methyl-2-Pentanone	250.000	278.028	-11.2	97	0.00
52 CM	Toluene	50.000	58.920	-17.8#	102	0.00
53 T	t-1,3-Dichloropropene	50.000	56.628	-13.3	98	0.00
54 T	cis-1,3-Dichloropropene	50.000	57.882	-15.8	101	0.00
55 T	1,1,2-Trichloroethane	50.000	55.923	-11.8	100	0.00
56 T	Ethyl methacrylate	50.000	61.122	-22.2	99	0.00
57 T	1,3-Dichloropropane	50.000	54.703	-9.4	99	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	308.914	-23.6	94	0.00
59 T	2-Hexanone	250.000	294.645	-17.9	100	0.00
60 T	Dibromochloromethane	50.000	58.414	-16.8	106	0.00
61 T	1,2-Dibromoethane	50.000	56.480	-13.0	102	0.00
62 S	4-Bromofluorobenzene	50.000	46.748	6.5	81	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64 T	Tetrachloroethene	50.000	60.383	-20.8	116	0.00
65 PM	Chlorobenzene	50.000	53.542	-7.1	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	55.188	-10.4	103	0.00
67 C	Ethyl Benzene	50.000	58.413	-16.8#	103	0.00
68 T	m/p-Xylenes	100.000	117.678	-17.7	104	0.00
69 T	o-Xylene	50.000	58.406	-16.8	103	0.00
70 T	Styrene	50.000	60.725	-21.5	105	0.00
71 P	Bromoform	50.000	57.324	-14.6	102	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73 T	Isopropylbenzene	50.000	55.646	-11.3	105	0.00
74 T	N-amyl acetate	50.000	50.465	-0.9	92	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	44.326	11.3	94	0.00
76 T	1,2,3-Trichloropropane	50.000	47.442	5.1	93	0.00
77 T	Bromobenzene	50.000	50.288	-0.6	101	0.00
78 T	n-propylbenzene	50.000	57.611	-15.2	108	0.00
79 T	2-Chlorotoluene	50.000	52.473	-4.9	104	0.00
80 T	1,3,5-Trimethylbenzene	50.000	57.784	-15.6	106	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.495	1.0	97	0.00
82 T	4-Chlorotoluene	50.000	51.861	-3.7	103	0.00
83 T	tert-Butylbenzene	50.000	55.008	-10.0	104	0.00
84 T	1,2,4-Trimethylbenzene	50.000	56.145	-12.3	103	0.00
85 T	sec-Butylbenzene	50.000	57.575	-15.2	105	0.00
86 T	p-Isopropyltoluene	50.000	59.105	-18.2	106	0.00
87 T	1,3-Dichlorobenzene	50.000	47.962	4.1	102	0.00
88 T	1,4-Dichlorobenzene	50.000	46.893	6.2	99	0.00
89 T	n-Butylbenzene	50.000	54.459	-8.9	105	0.00
90 T	Hexachloroethane	50.000	51.005	-2.0	101	0.00
91 T	1,2-Dichlorobenzene	50.000	46.826	6.3	97	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.995	8.0	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	45.082	9.8	95	0.00
94 T	Hexachlorobutadiene	50.000	49.426	1.1	107	0.00
95 T	Naphthalene	50.000	46.216	7.6	88	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085189.D
Acq On : 13 Dec 2024 11:54
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 13 23:29:14 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	47.594	4.8	96	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.: P5270 SAS No.: P5270 SDG No.: P5270

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.: P5270 SAS No.: P5270 SDG No.: P5270
 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

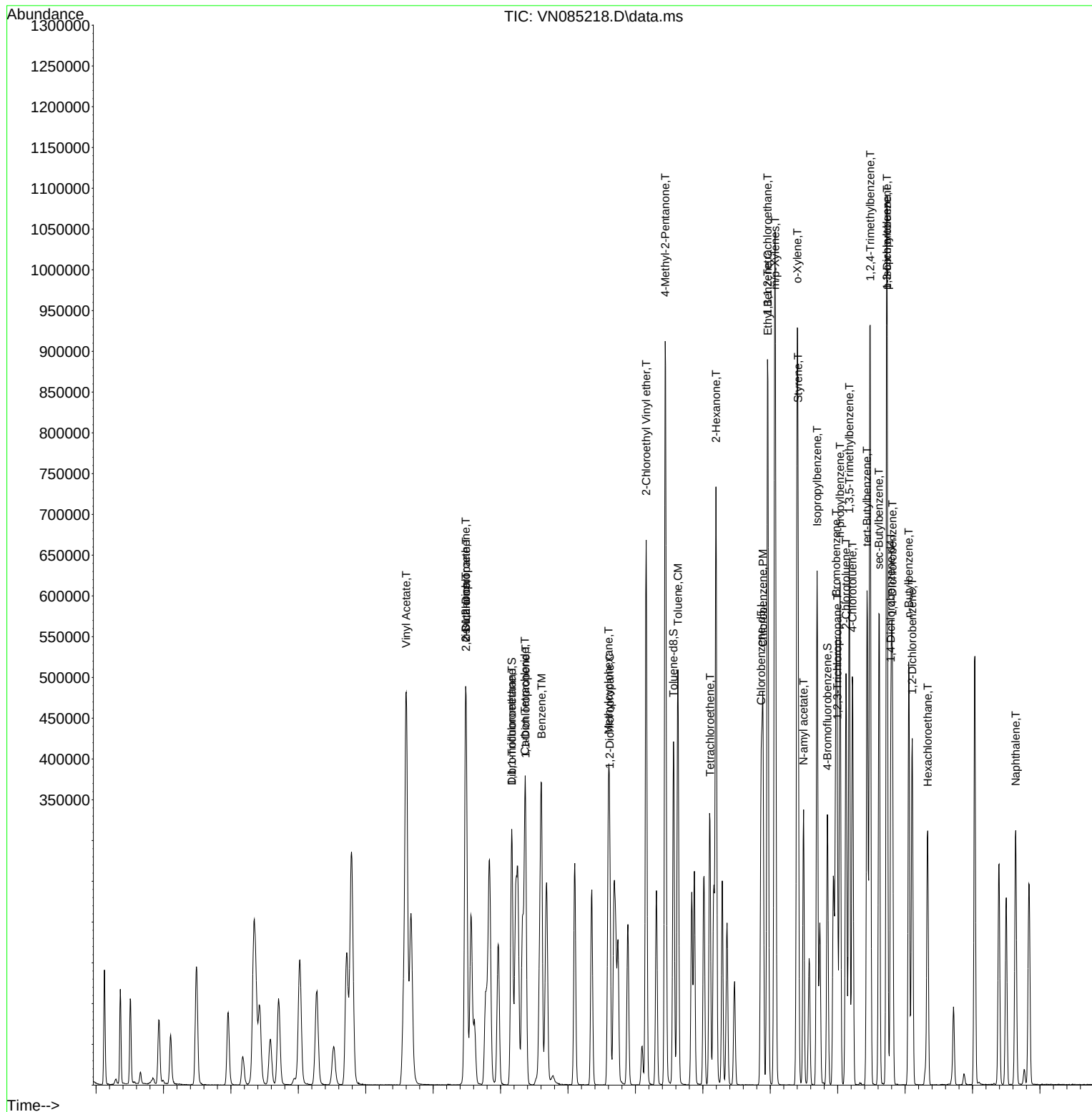

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\  
Data File : VN085218.D  
Acq On    : 17 Dec 2024  12:10  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 3    Sample Multiplier: 1
```

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



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



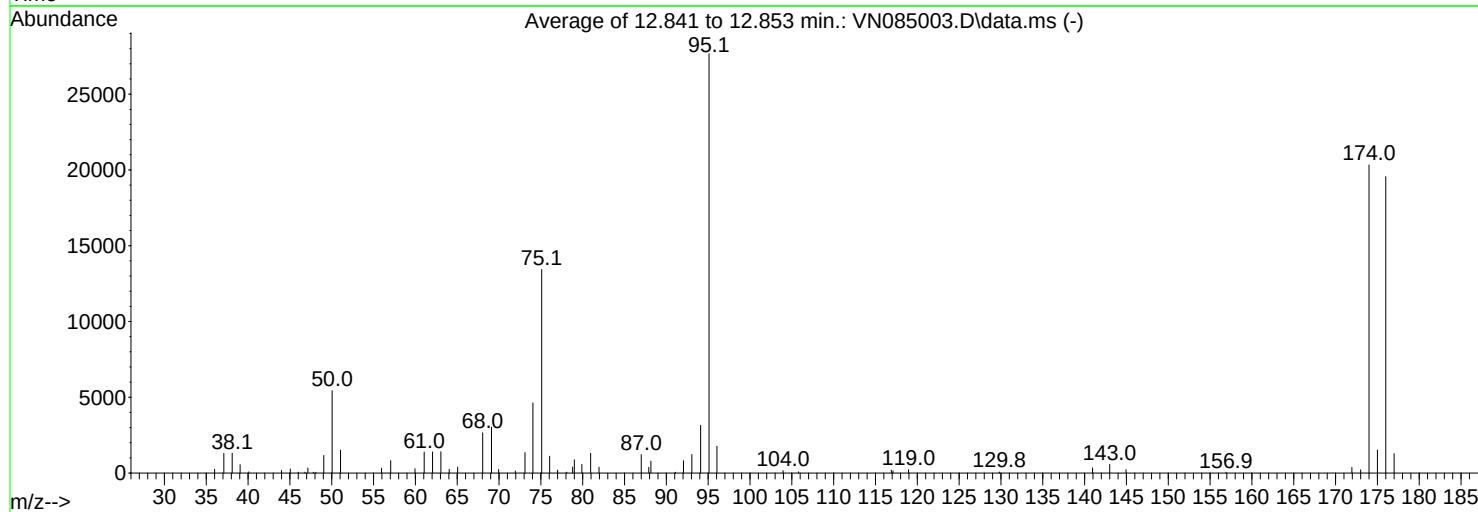
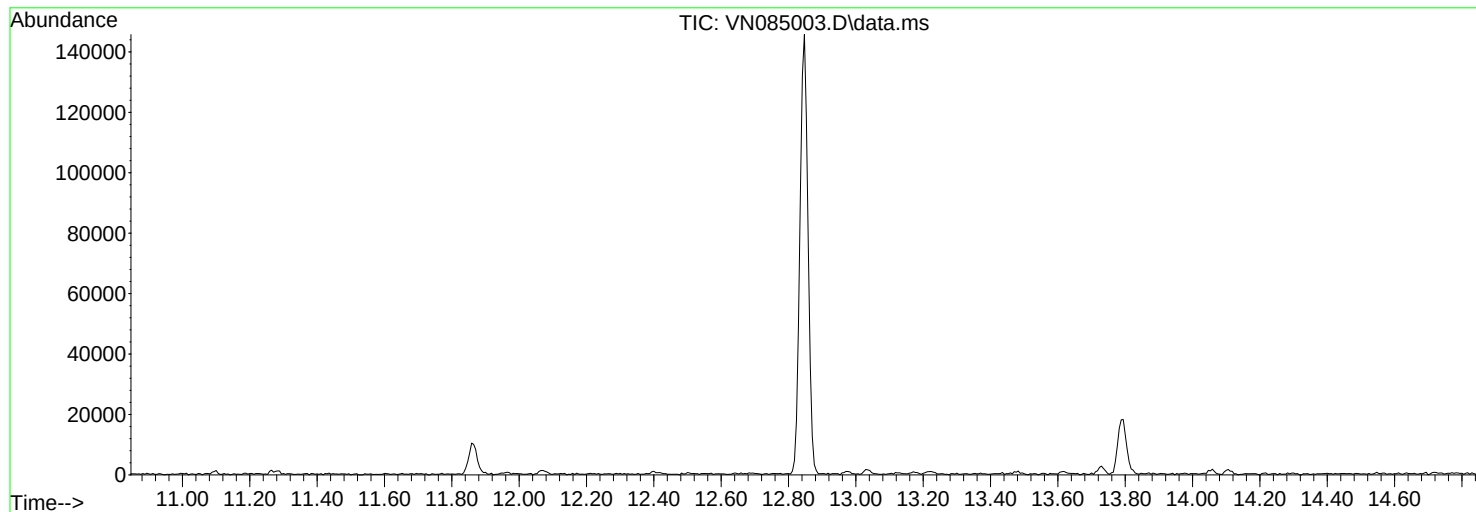
QC SAMPLE DATA

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 :

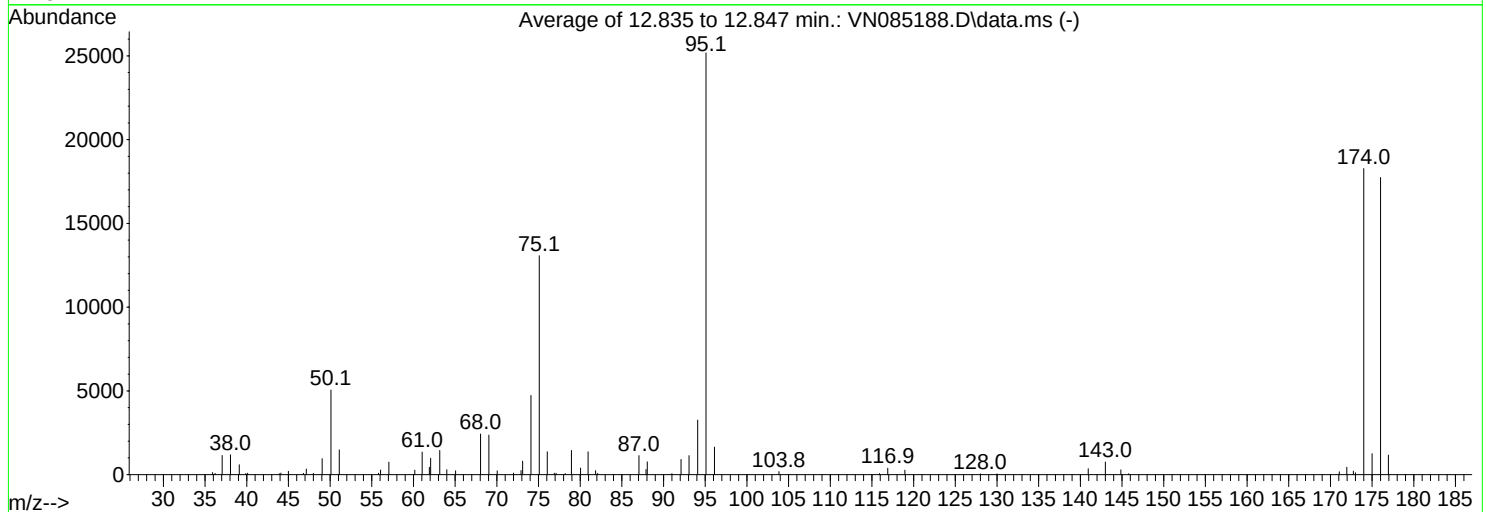
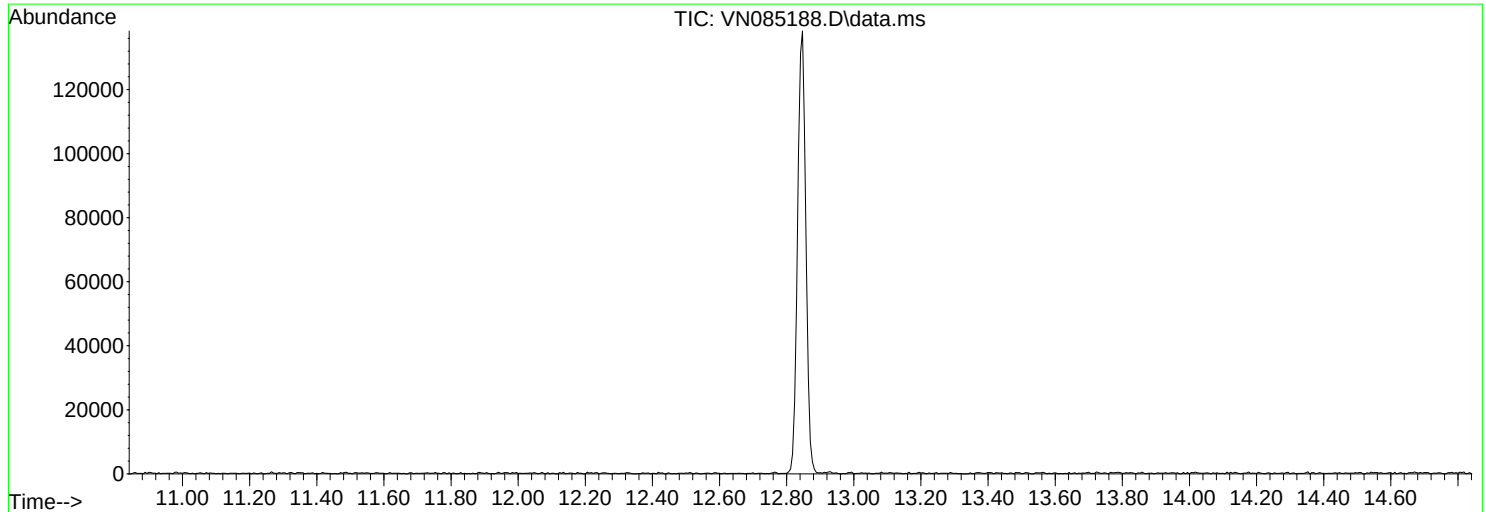
BFB

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085188.D
Acq On : 13 Dec 2024 08:38
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 1850, 1851, 1852; 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	20.1	5056	PASS
75	95	30	60	51.9	13072	PASS
95	95	100	100	100.0	25181	PASS
96	95	5	9	6.5	1642	PASS
173	174	0.00	2	1.1	206	PASS
174	95	50	100	72.6	18276	PASS
175	174	5	9	6.8	1249	PASS
176	174	95	101	97.1	17738	PASS
177	176	5	9	6.6	1164	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	123	47.15	336	62.05	970	75.10	1307
36.20	80	48.00	77	63.15	1438	76.05	1361
37.05	1147	49.05	960	64.00	296	76.90	81
38.05	1184	50.10	5056	65.05	230	77.10	90
39.10	588	51.10	1478	68.05	2429	78.20	69
39.90	65	55.80	83	69.05	2357	78.95	1440
40.10	89	56.05	275	70.05	227	80.05	392
43.90	58	57.05	743	72.00	95	80.95	1365
44.10	99	60.15	270	72.90	251	81.85	238
45.00	200	61.05	1344	73.10	805	82.10	73
46.80	74	61.90	440	74.10	4725	87.05	1139

Average of 12.835 to 12.847 min.: VN085188.D\data.ms

BFB

Modified:subtracted

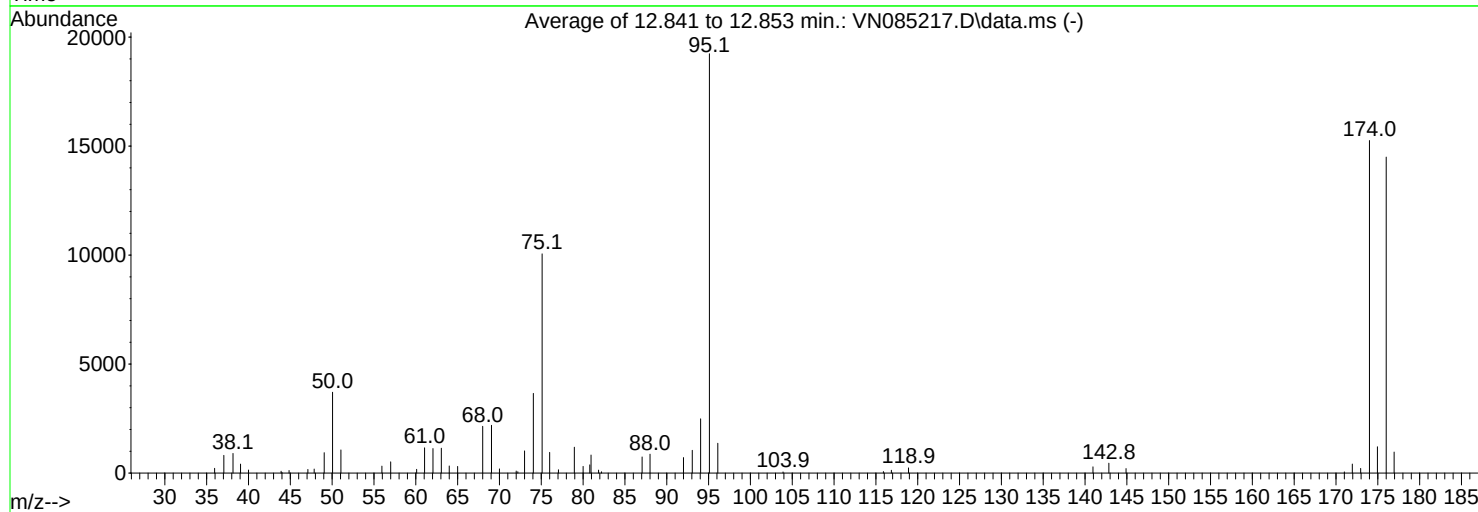
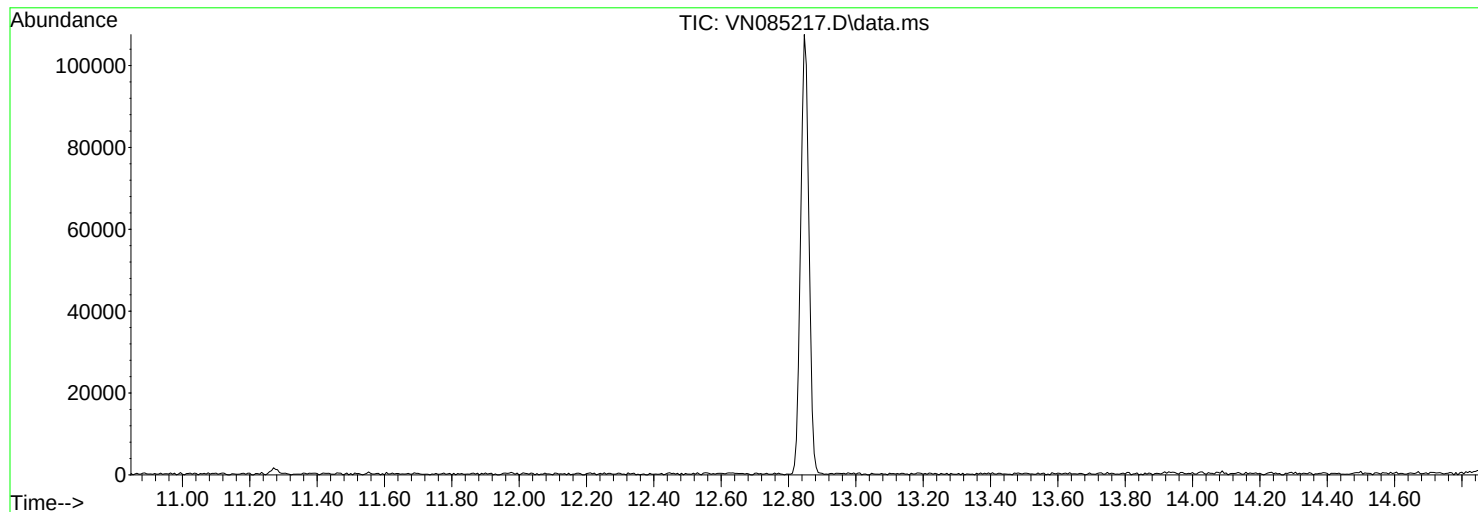
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.90	309	118.95	263	174.00	18276		
88.05	763	128.00	52	175.00	1249		
91.00	56	130.00	52	176.00	17738		
92.10	903	140.95	352	176.95	1164		
93.05	1134	143.00	756				
94.10	3258	144.85	286				
95.10	25181	145.80	55				
96.10	1642	171.05	176				
103.85	181	171.95	441				
115.90	70	172.75	206				
116.90	380	173.00	117				

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						

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	
Project:	Con Edison Non-MGP - Atlantic Avenue			Date Received:	
Client Sample ID:	VN1213WBL01			SDG No.:	P5270
Lab Sample ID:	VN1213WBL01			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
VN085191.D	1		12/13/24 12:53	VN121324

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:	VN1213WBL01		SDG No.:	P5270
Lab Sample ID:	VN1213WBL01		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
VN085191.D	1		12/13/24 12:53	VN121324

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	50.6		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.6		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.9		77 - 121	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	8.218			
540-36-3	1,4-Difluorobenzene	264000	9.1			
3114-55-4	Chlorobenzene-d5	226000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	89500	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:	VN1213WBL01		SDG No.:	P5270
Lab Sample ID:	VN1213WBL01		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
VN085191.D	1		12/13/24 12:53	VN121324

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\VN121324\
 Data File : VN085191.D
 Acq On : 13 Dec 2024 12:53
 Operator : JC\MD
 Sample : VN1213WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBL01

Quant Time: Dec 13 23:30:58 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	8.218	168	151380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	264382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226403	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	89452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	109015	50.557	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.120%	
35) Dibromofluoromethane	8.165	113	89196	50.029	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%	
50) Toluene-d8	10.565	98	310576	48.607	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.220%	
62) 4-Bromofluorobenzene	12.847	95	100184	41.927	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 83.860%	

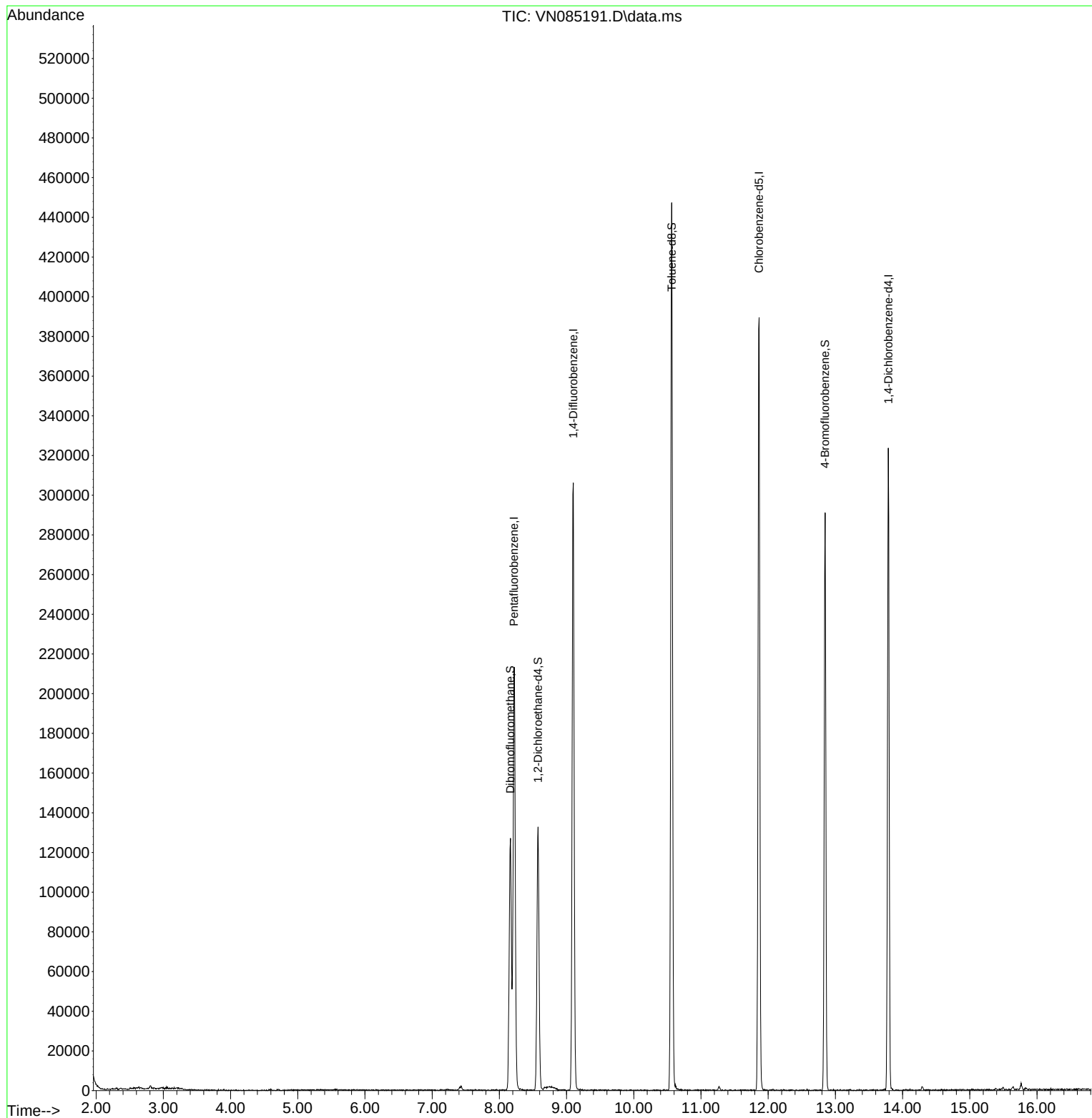
Target Compounds	Qvalue

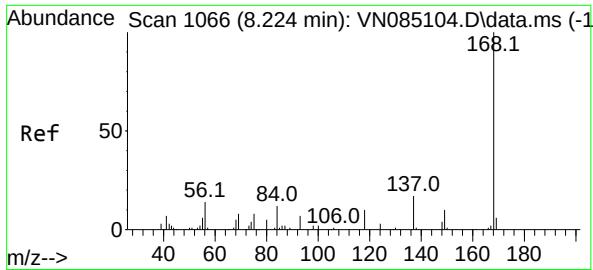
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085191.D
Acq On : 13 Dec 2024 12:53
Operator : JC\MD
Sample : VN1213WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

Quant Time: Dec 13 23:30:58 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

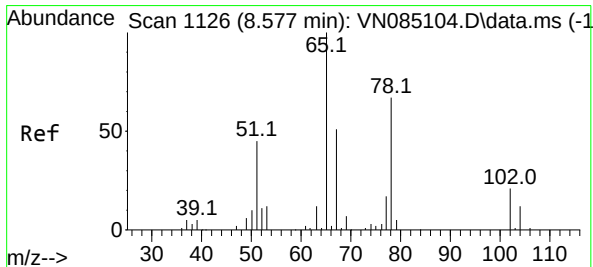
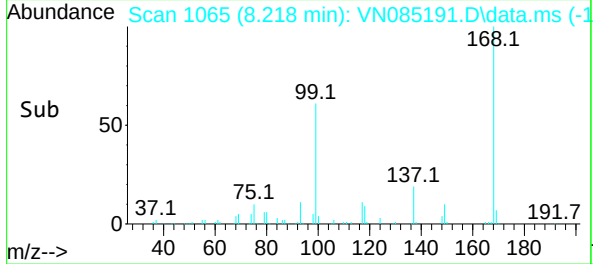
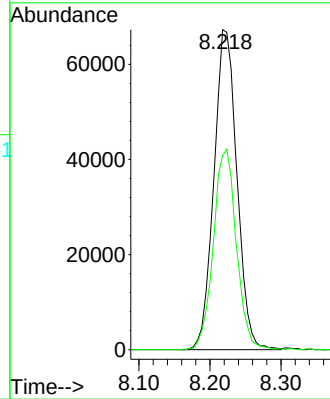
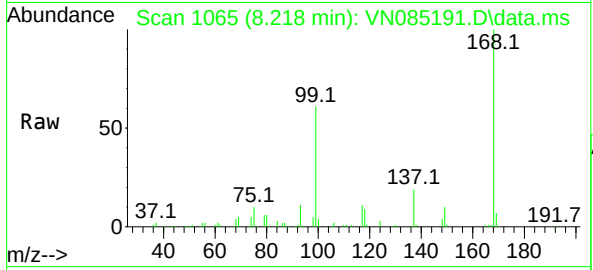




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

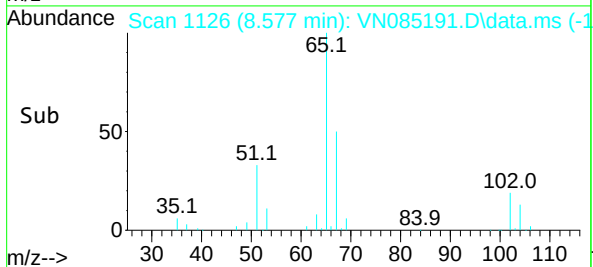
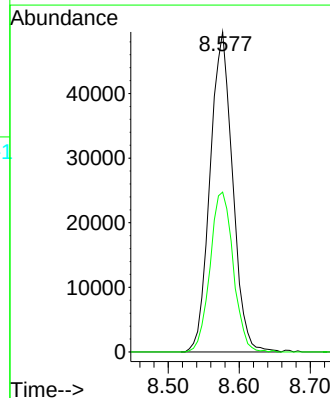
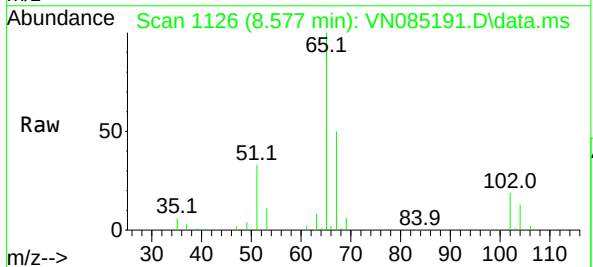
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

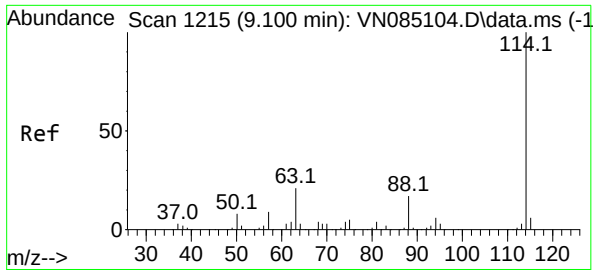
Tgt Ion:168 Resp: 151380
Ion Ratio Lower Upper
168 100
99 60.6 51.2 76.8



#33
1,2-Dichloroethane-d4
Concen: 50.557 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

Tgt Ion: 65 Resp: 109015
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085191.D

Acq: 13 Dec 2024 12:53

Instrument :

MSVOA_N

ClientSampleId :

VN1213WBL01

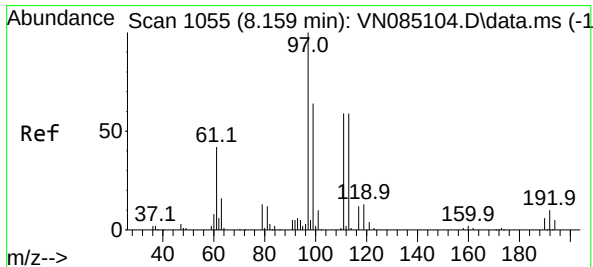
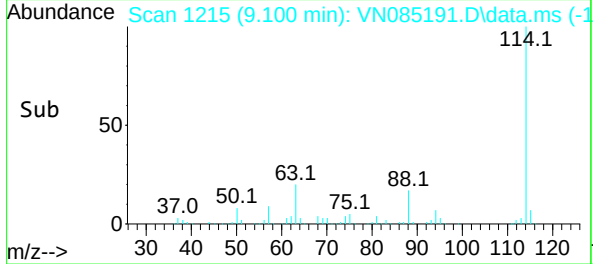
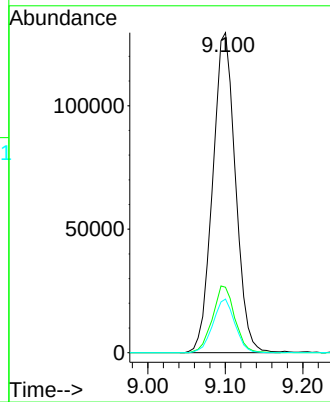
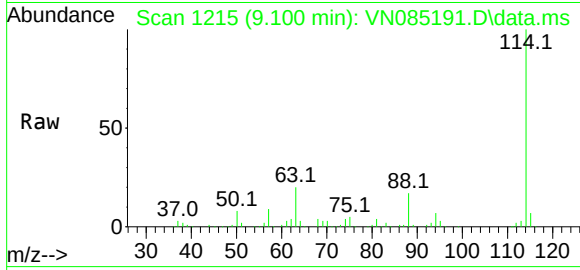
Tgt Ion:114 Resp: 264382

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 16.7 0.0 34.8



#35

Dibromofluoromethane

Concen: 50.029 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085191.D

Acq: 13 Dec 2024 12:53

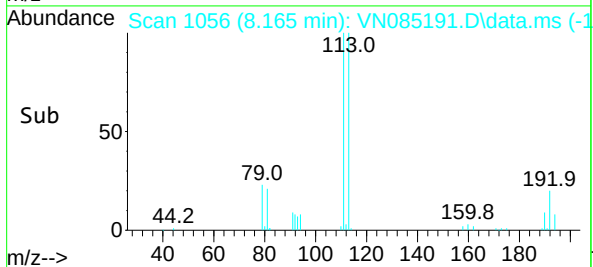
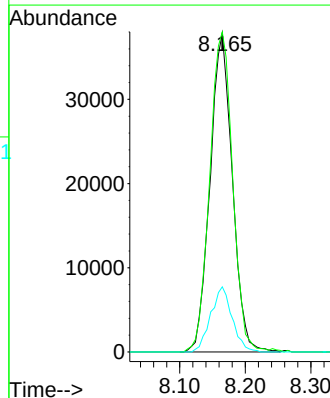
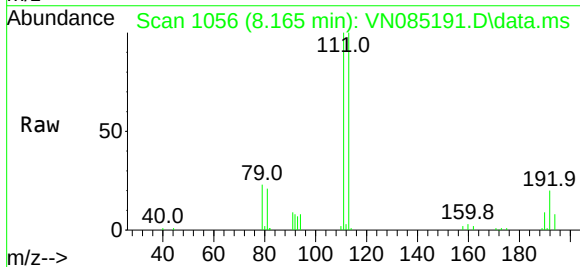
Tgt Ion:113 Resp: 89196

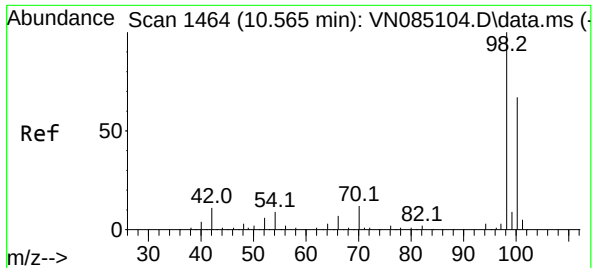
Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 19.7 14.8 22.2

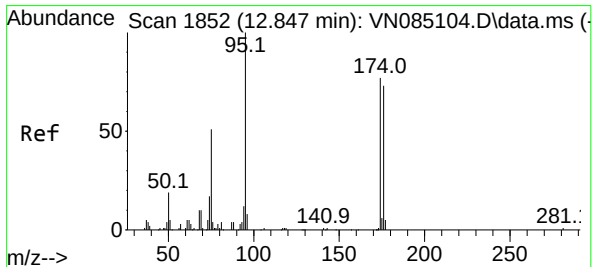
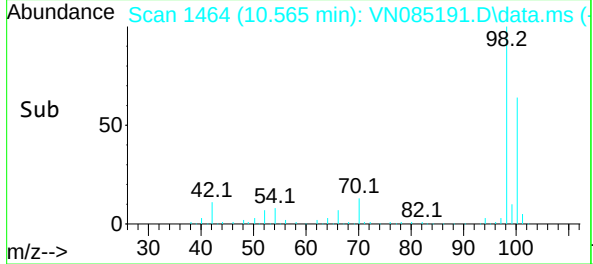
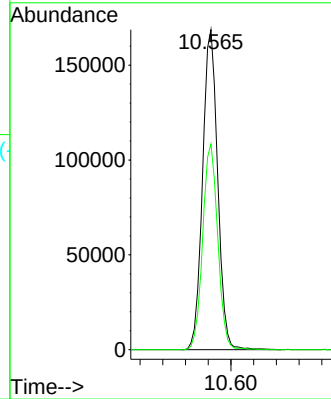
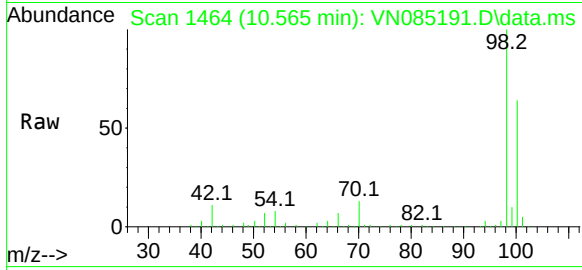




#50
Toluene-d8
Concen: 48.607 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

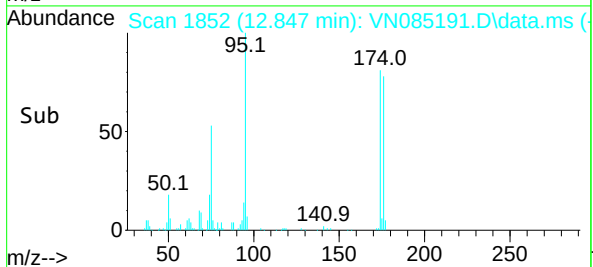
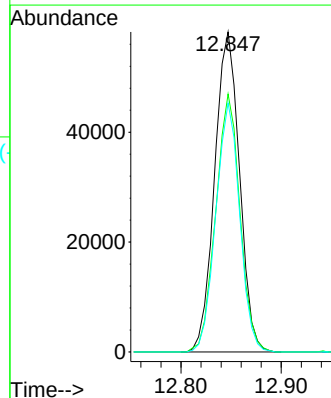
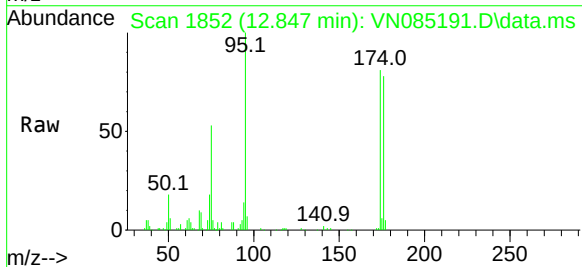
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

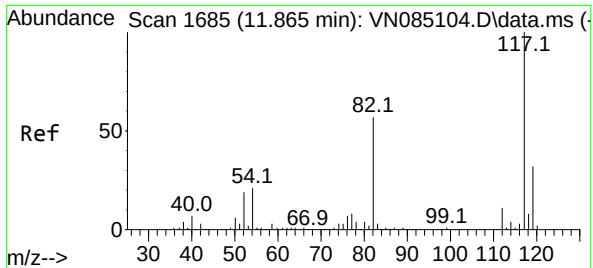
Tgt Ion: 98 Resp: 310576
Ion Ratio Lower Upper
98 100
100 64.3 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 41.927 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

Tgt Ion: 95 Resp: 100184
Ion Ratio Lower Upper
95 100
174 78.6 0.0 146.6
176 74.6 0.0 141.8

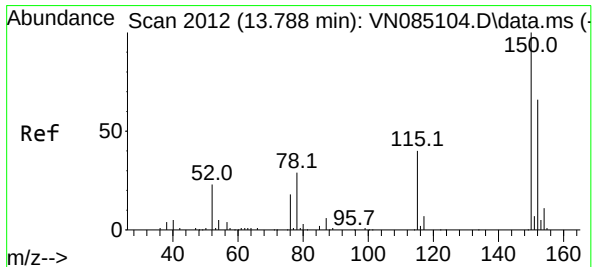
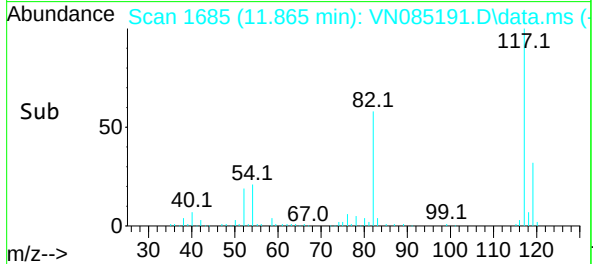
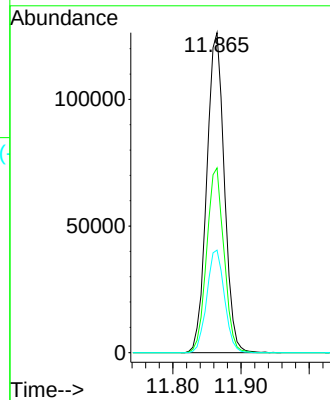
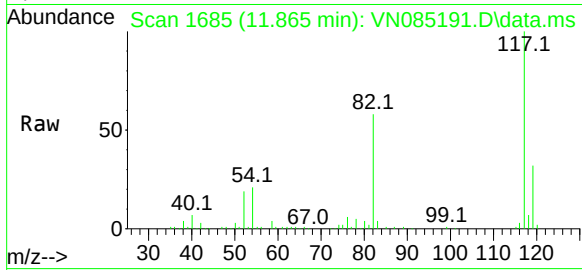




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085191.D
Acq: 13 Dec 2024 12:53

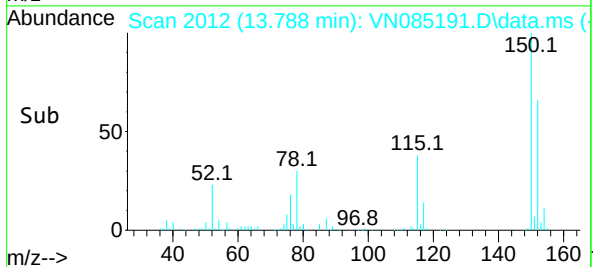
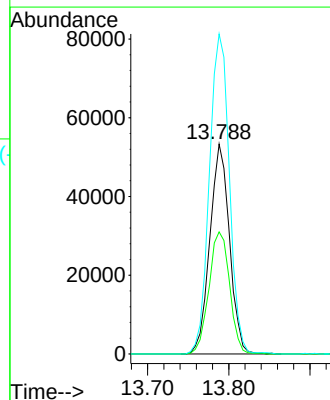
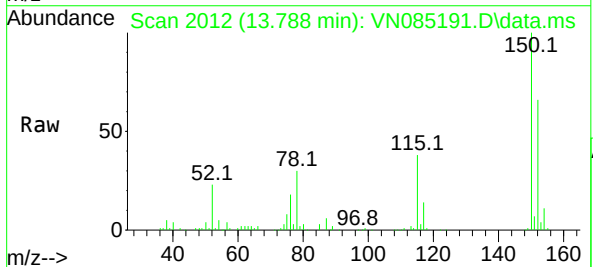
Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

Tgt Ion:117 Resp: 226403
Ion Ratio Lower Upper
117 100
82 57.8 46.0 69.0
119 32.0 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: VN085191.D
Acq: 13 Dec 2024 12:53

Tgt Ion:152 Resp: 89452
Ion Ratio Lower Upper
152 100
115 61.3 31.7 95.1
150 155.1 0.0 351.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085191.D
Acq On : 13 Dec 2024 12:53
Operator : JC\MD
Sample : VN1213WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

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: VN085191.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	rBV	127002	295244	36.01%	6.961%
2	8.224	1060	1066	1079	rVB	212888	474859	57.91%	11.195%
3	8.577	1117	1126	1139	rBV	132724	293476	35.79%	6.919%
4	9.100	1206	1215	1226	rBV	306014	621056	75.74%	14.642%
5	10.565	1456	1464	1476	rBV	447236	819991	100.00%	19.332%
6	11.865	1676	1685	1696	rVB	389483	700101	85.38%	16.505%
7	12.847	1844	1852	1861	rBV	291230	493139	60.14%	11.626%
8	13.788	2005	2012	2019	rBV	323580	543806	66.32%	12.821%

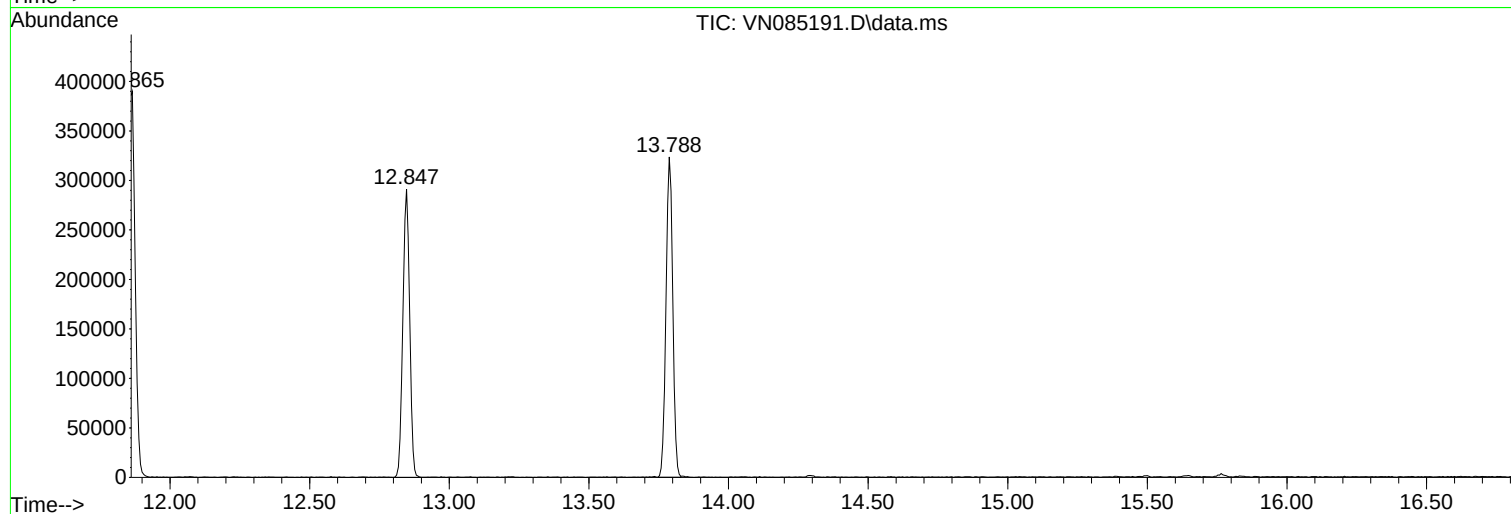
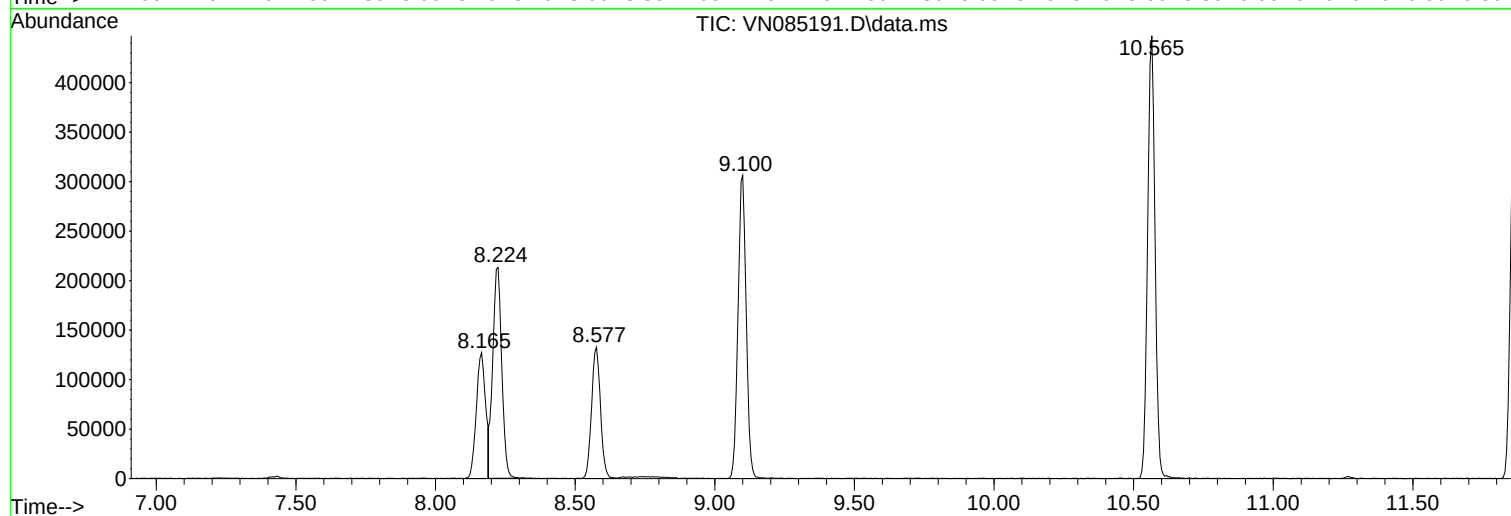
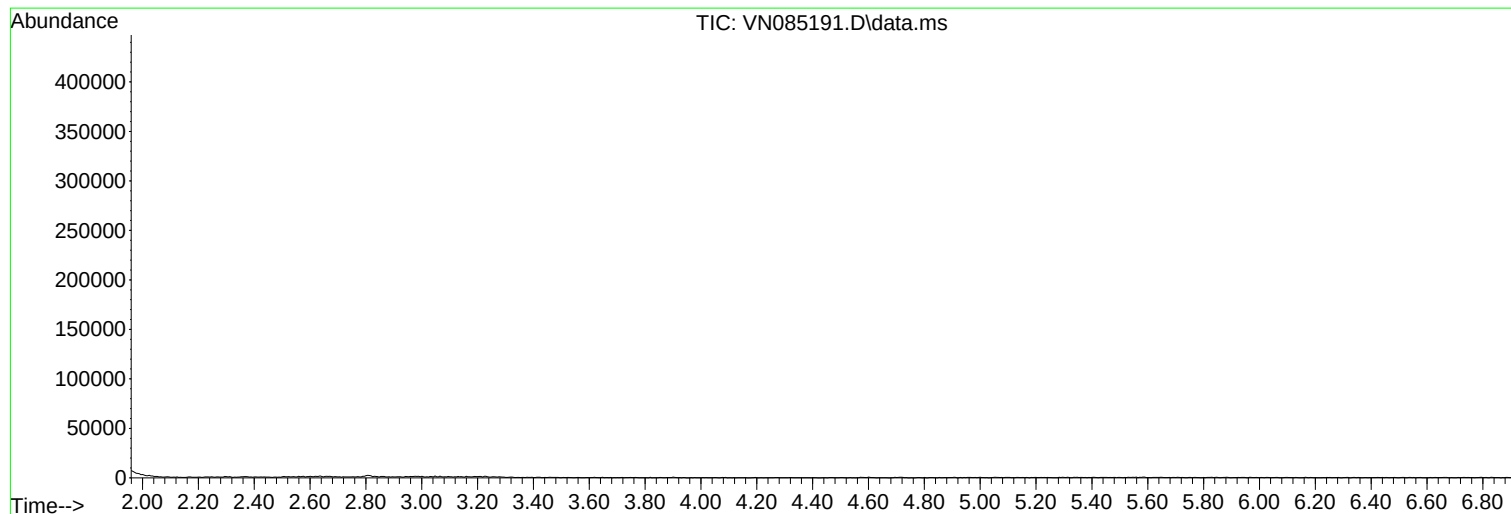
Sum of corrected areas: 4241672

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085191.D
Acq On : 13 Dec 2024 12:53
Operator : JC\MD
Sample : VN1213WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

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\VN121324\
Data File : VN085191.D
Acq On : 13 Dec 2024 12:53
Operator : JC\MD
Sample : VN1213WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

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\VN121324\
Data File : VN085191.D
Acq On : 13 Dec 2024 12:53
Operator : JC\MD
Sample : VN1213WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBL01

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

TIC Library : C:\Database\NIST0.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:	VN1217WBL01		SDG No.:	P5270
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.:	P5270
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.:	P5270
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%	

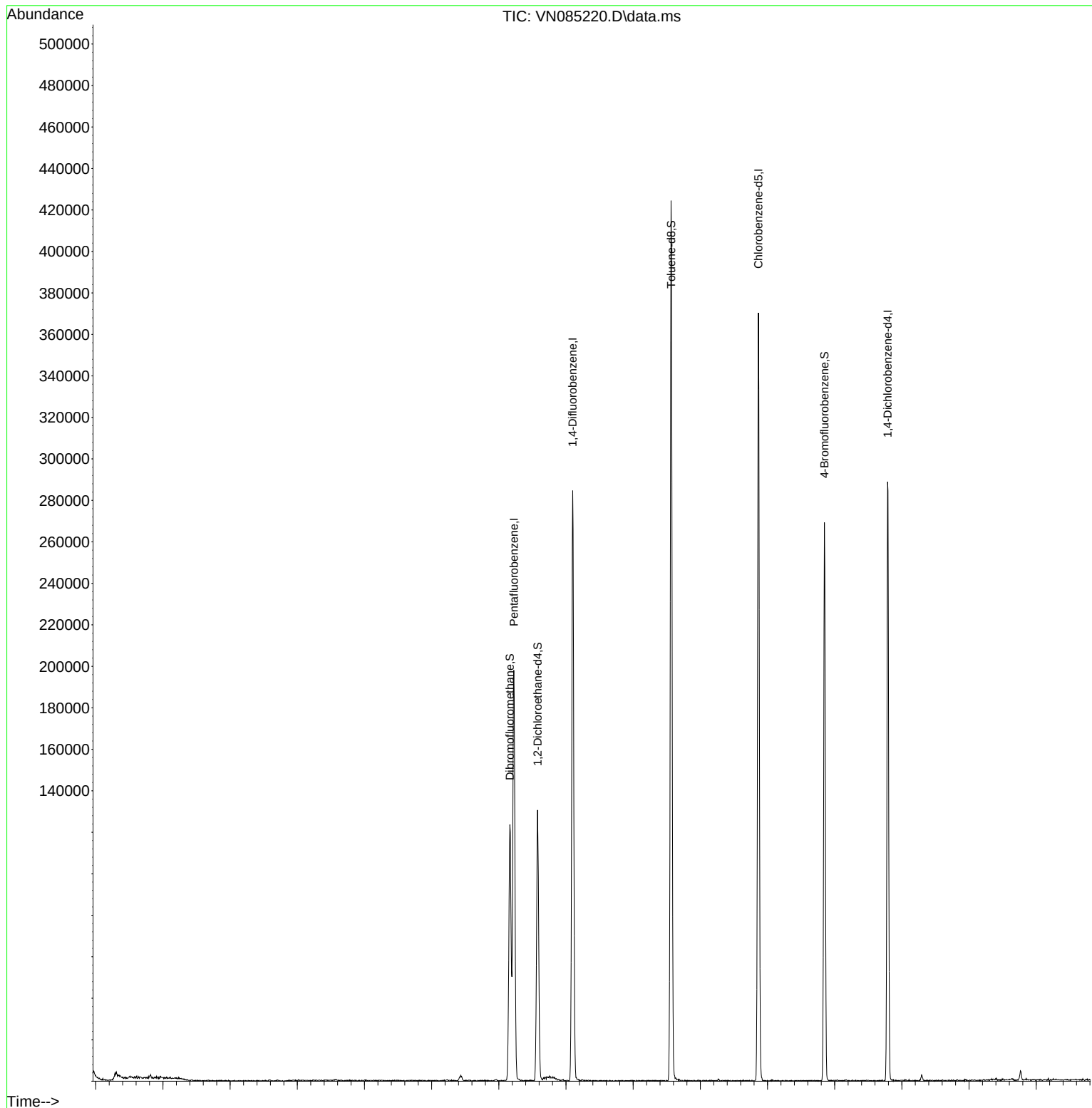
Target Compounds	Qvalue

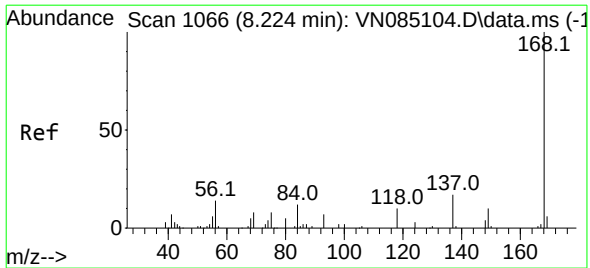
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

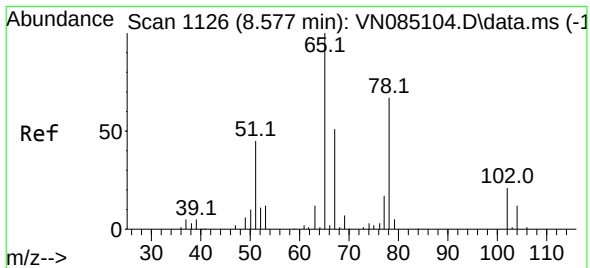
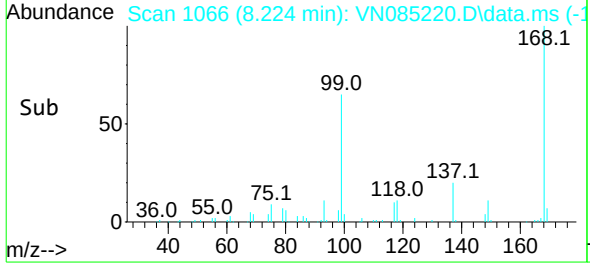
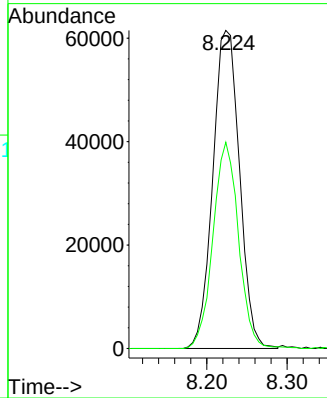
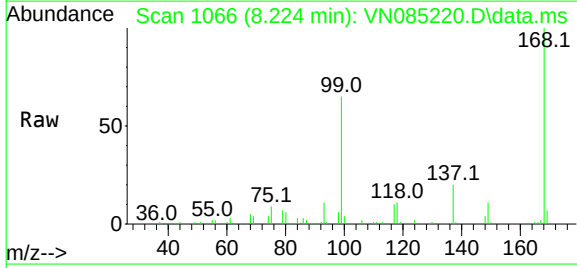




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085220.D
Acq: 17 Dec 2024 13:08

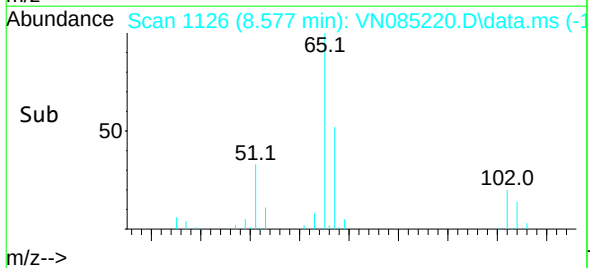
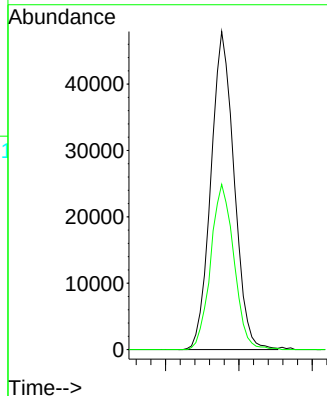
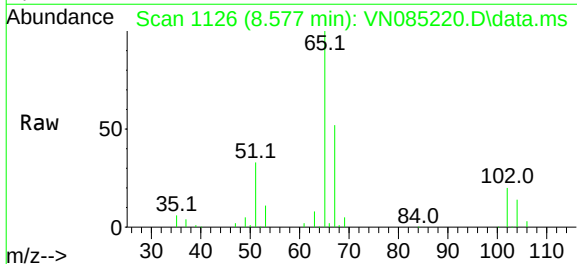
Instrument :
MSVOA_N
ClientSampleId :
VN1217WBL01

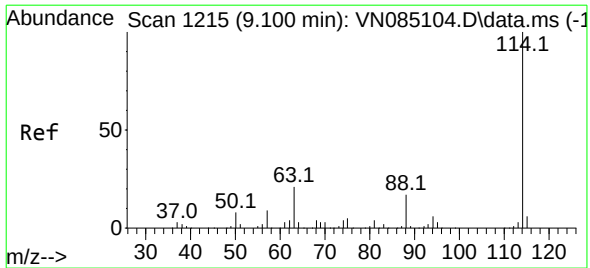
Tgt Ion:168 Resp: 142158
Ion Ratio Lower Upper
168 100
99 64.8 51.2 76.8



#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

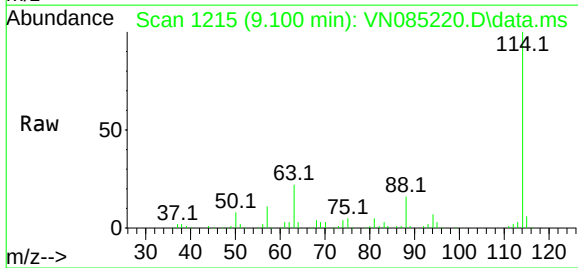
Acq: 17 Dec 2024 13:08

Instrument :

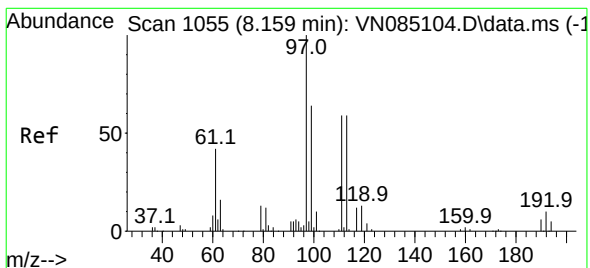
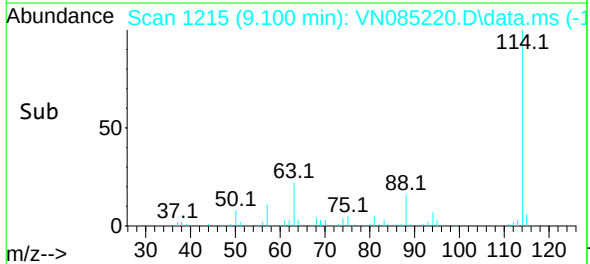
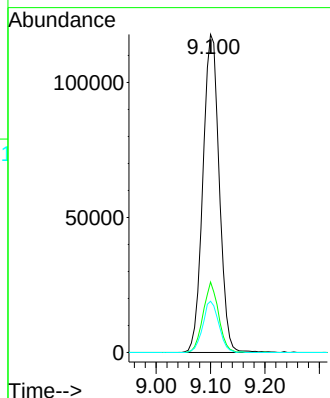
MSVOA_N

ClientSampleId :

VN1217WBL01



Tgt Ion	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

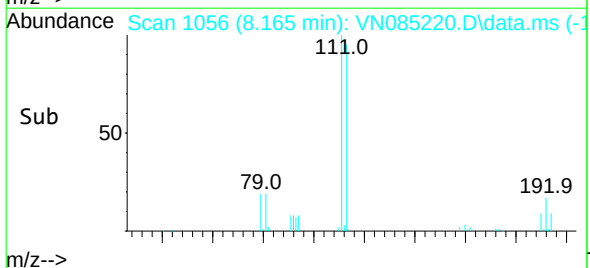
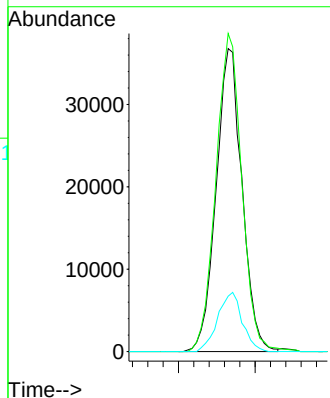
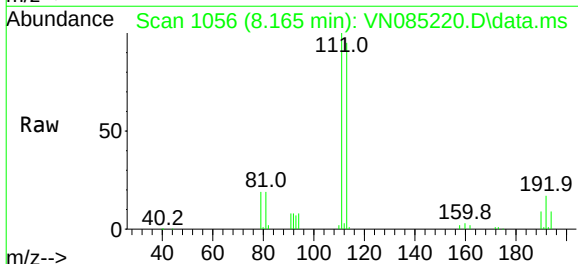
RT: 8.165 min Scan# 1056

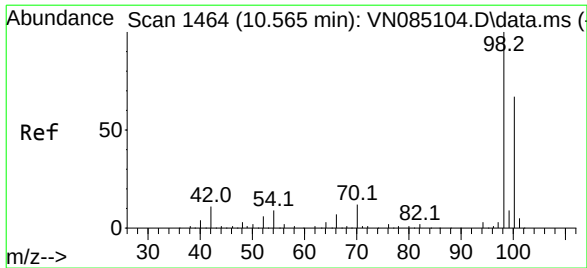
Delta R.T. 0.006 min

Lab File: VN085220.D

Acq: 17 Dec 2024 13:08

Tgt Ion	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

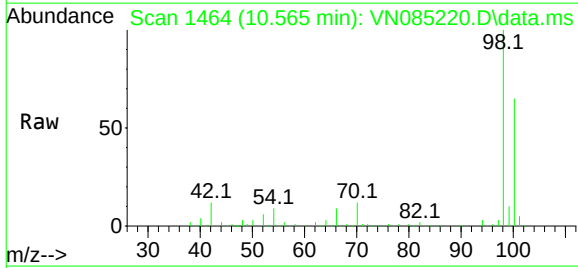
Acq: 17 Dec 2024 13:08

Instrument :

MSVOA_N

ClientSampleId :

VN1217WBL01

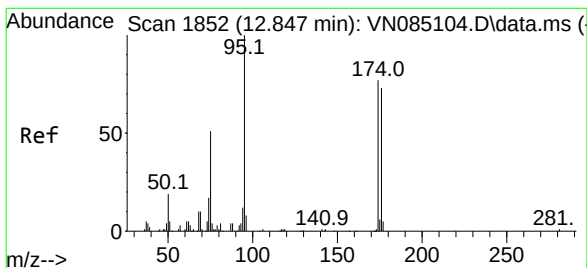
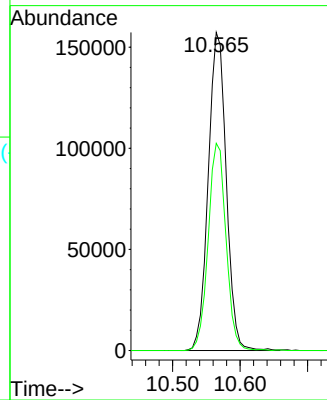
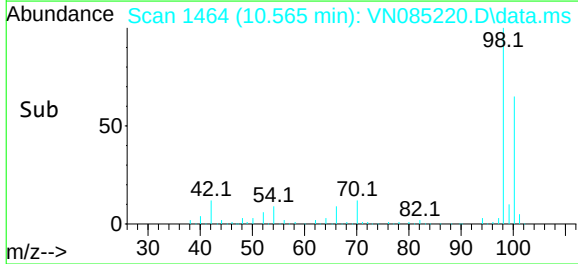


Tgt Ion: 98 Resp: 291375

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

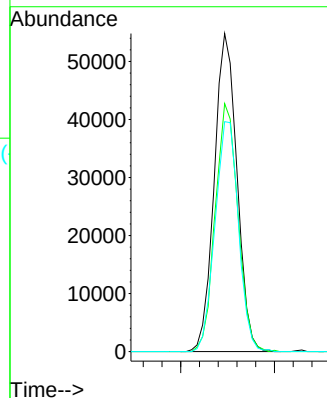
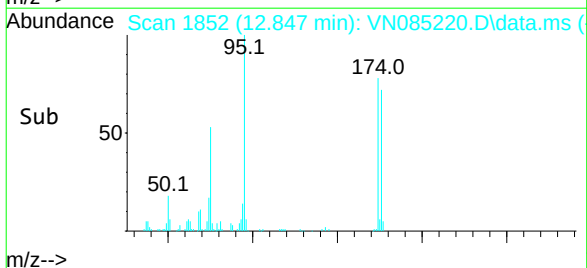
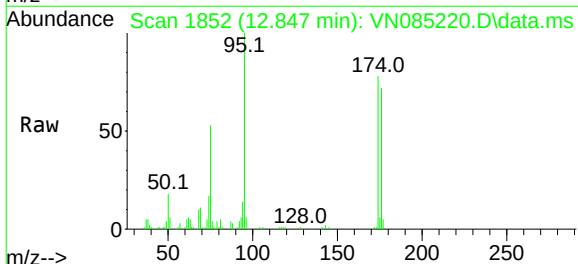
Tgt Ion: 95 Resp: 92337

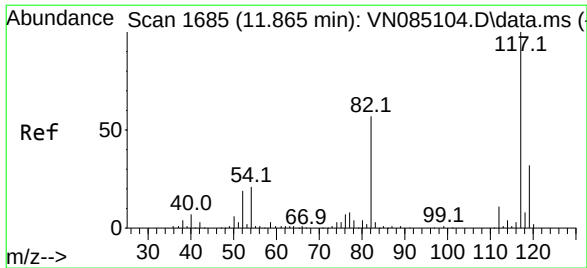
Ion Ratio Lower Upper

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

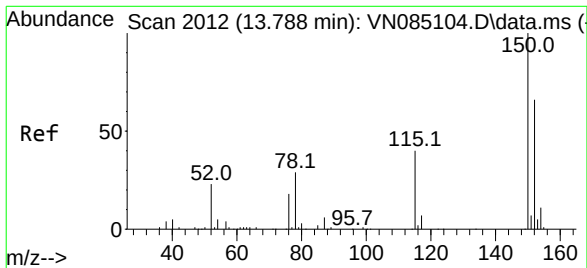
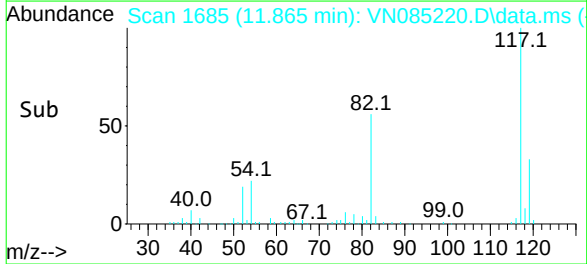
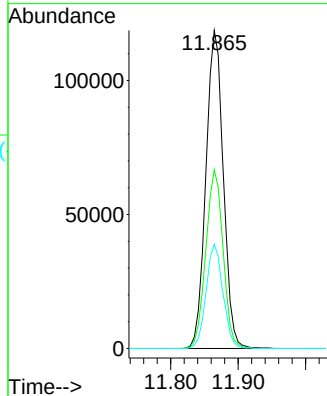
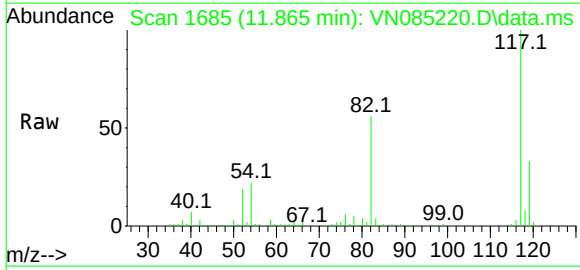
Tgt Ion:117 Resp: 212586

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

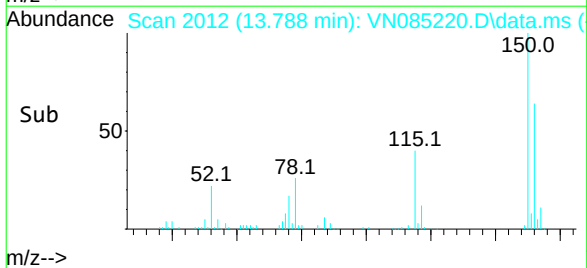
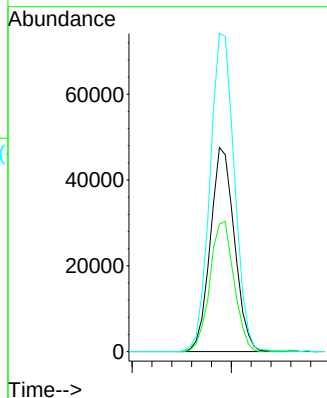
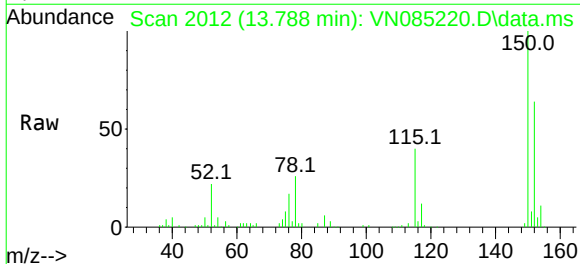
Tgt Ion:152 Resp: 80399

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%

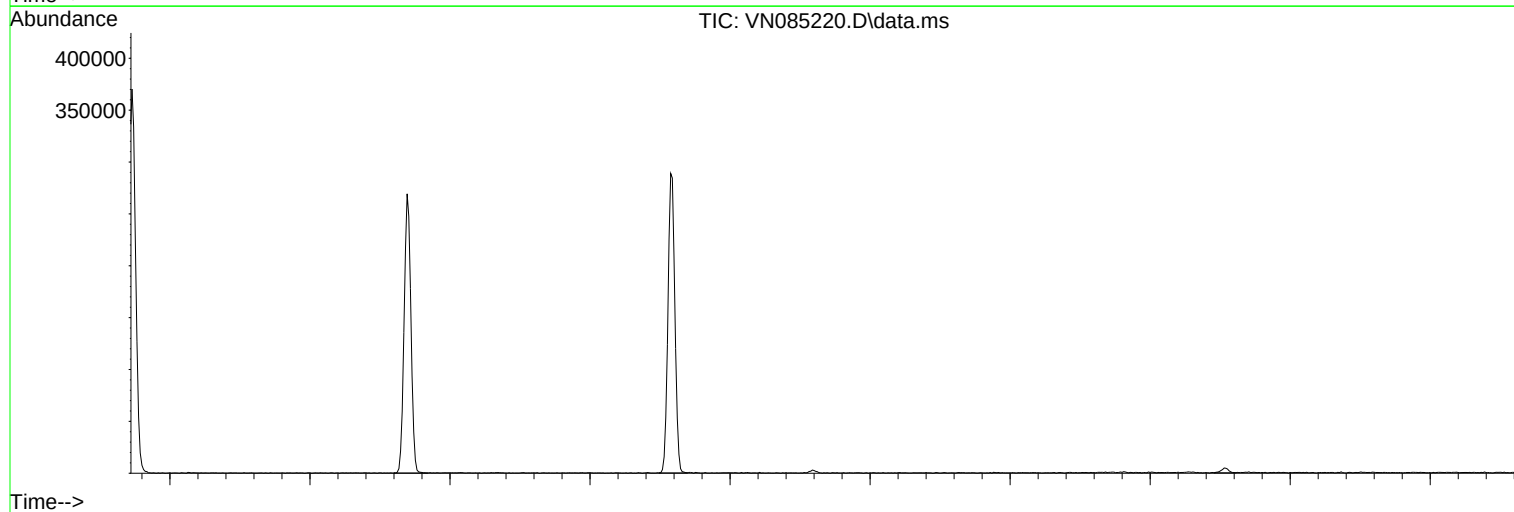
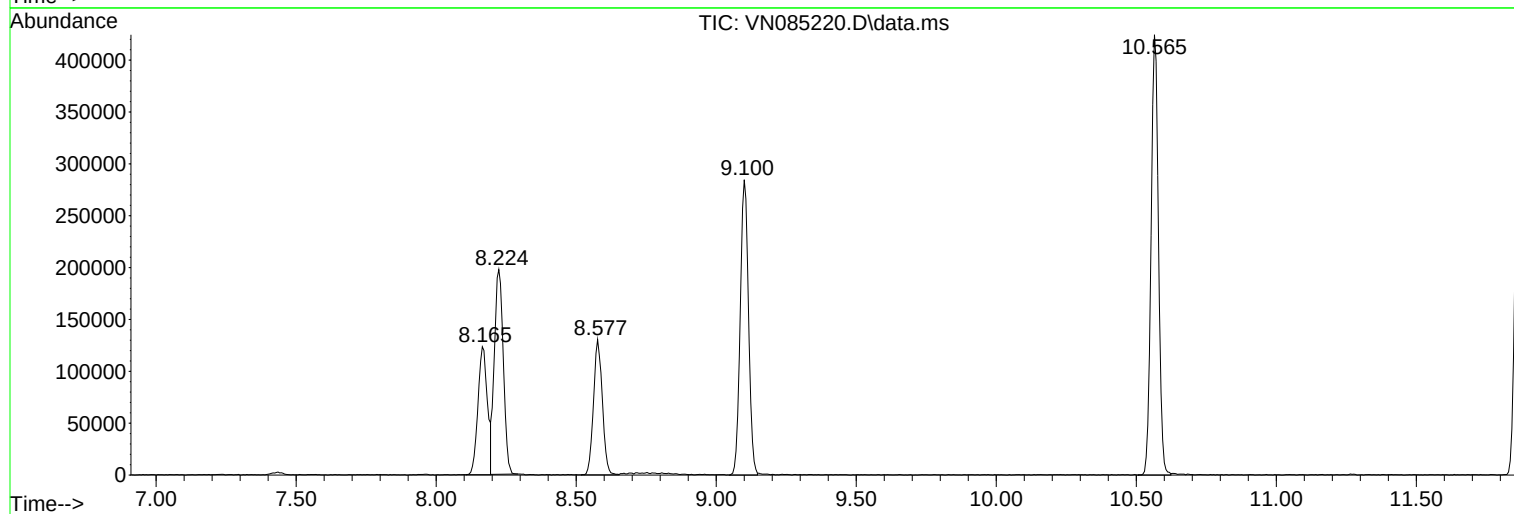
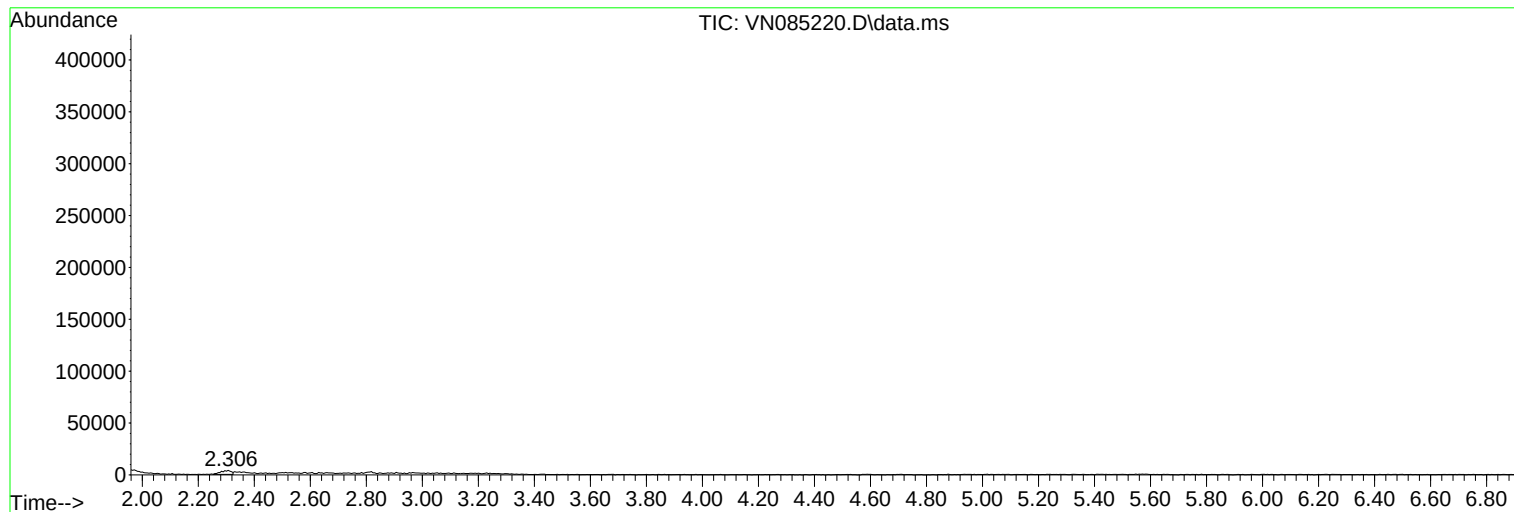
Sum of corrected areas: 3994313

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	--Internal Standard--
				#	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:	VN1213WBS01		SDG No.:	P5270
Lab Sample ID:	VN1213WBS01		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
VN085192.D	1		12/13/24 13:17	VN121324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	25.5		0.21	1.00	ug/L
74-87-3	Chloromethane	18.5		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	20.8		0.34	1.00	ug/L
74-83-9	Bromomethane	24.6		1.40	5.00	ug/L
75-00-3	Chloroethane	19.7		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.3		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.26	1.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	19.3		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.1		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.60	5.00	ug/L
78-93-3	2-Butanone	90.8		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.6		0.25	1.00	ug/L
74-97-5	Bromochloromethane	16.6		0.18	1.00	ug/L
67-66-3	Chloroform	18.2		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.2		0.19	1.00	ug/L
71-43-2	Benzene	19.1		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.9		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.9		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	19.8		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:	VN1213WBS01			SDG No.:	P5270
Lab Sample ID:	VN1213WBS01			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
VN085192.D	1		12/13/24 13:17	VN121324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.9		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.4		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.2		0.31	2.00	ug/L
95-47-6	o-Xylene	19.3		0.14	1.00	ug/L
100-42-5	Styrene	20.1		0.16	1.00	ug/L
75-25-2	Bromoform	20.4		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.6		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.8		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	16.7		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.6		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.9		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	47.5		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	159000	8.224			
540-36-3	1,4-Difluorobenzene	258000	9.1			
3114-55-4	Chlorobenzene-d5	221000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	105000	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:	VN1213WBS01	SDG No.:	P5270
Lab Sample ID:	VN1213WBS01	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
VN085192.D	1		12/13/24 13:17	VN121324

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\VN121324\
 Data File : VN085192.D
 Acq On : 13 Dec 2024 13:17
 Operator : JC\MD
 Sample : VN1213WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024
 Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 13 23:31:21 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	159304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	220551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	104811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	104178	45.910	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.820%		
35) Dibromofluoromethane	8.165	113	86283	49.650	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.300%		
50) Toluene-d8	10.565	98	295578	47.460	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.920%		
62) 4-Bromofluorobenzene	12.847	95	109001	46.800	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.600%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	45879	25.470	ug/l	96
3) Chloromethane	2.359	50	38699	18.523	ug/l	95
4) Vinyl Chloride	2.512	62	39032	20.789	ug/l	99
5) Bromomethane	2.959	94	25886	24.598	ug/l	93
6) Chloroethane	3.124	64	24927	19.697	ug/l	94
7) Trichlorofluoromethane	3.500	101	64727	20.266	ug/l	98
8) Diethyl Ether	3.965	74	19465	17.906	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	35851	19.791	ug/l	99
10) Methyl Iodide	4.589	142	44585	18.594	ug/l	97
11) Tert butyl alcohol	5.512	59	25530	84.193	ug/l	100
12) 1,1-Dichloroethene	4.342	96	31650	18.718	ug/l	98
13) Acrolein	4.171	56	15796	78.067	ug/l	94
14) Allyl chloride	5.024	41	43442	15.241	ug/l	89
15) Acrylonitrile	5.718	53	76120	88.666	ug/l	98
16) Acetone	4.424	43	66953	101.310	ug/l	98
17) Carbon Disulfide	4.712	76	96242	19.284	ug/l	100
18) Methyl Acetate	5.018	43	35573	16.062	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	98129	17.762	ug/l	97
20) Methylene Chloride	5.271	84	36412	18.056	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	33187	18.651	ug/l	95
22) Diisopropyl ether	6.665	45	101748	17.736	ug/l	98
23) Vinyl Acetate	6.600	43	359891	90.933	ug/l	99
24) 1,1-Dichloroethane	6.571	63	61348	17.870	ug/l	97
25) 2-Butanone	7.483	43	98074	90.770	ug/l	92
26) 2,2-Dichloropropane	7.488	77	56700	17.687	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	37823	17.633	ug/l	98
28) Bromochloromethane	7.812	49	21526	16.610	ug/l	95
29) Tetrahydrofuran	7.841	42	64009	95.265	ug/l	99
30) Chloroform	7.965	83	66633	18.246	ug/l	99
31) Cyclohexane	8.253	56	56734	18.769	ug/l	96
32) 1,1,1-Trichloroethane	8.159	97	62618	18.975	ug/l	96
36) 1,1-Dichloropropene	8.371	75	44005	18.695	ug/l	97
37) Ethyl Acetate	7.559	43	40535	18.942	ug/l	97
38) Carbon Tetrachloride	8.359	117	55675	20.491	ug/l	99
39) Methylcyclohexane	9.600	83	47035	19.229	ug/l	97
40) Benzene	8.600	78	142537	19.146	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085192.D
 Acq On : 13 Dec 2024 13:17
 Operator : JC\MD
 Sample : VN1213WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024
 Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 13 23:31:21 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	21748	18.355	ug/l	98
42) 1,2-Dichloroethane	8.671	62	48446	19.021	ug/l	99
43) Isopropyl Acetate	8.682	43	69464	15.627	ug/l	98
44) Trichloroethene	9.353	130	34423	19.896	ug/l	87
45) 1,2-Dichloropropane	9.618	63	34610	18.875	ug/l #	89
46) Dibromomethane	9.706	93	24830	19.487	ug/l	97
47) Bromodichloromethane	9.882	83	52168	19.318	ug/l	99
48) Methyl methacrylate	9.677	41	30212	18.265	ug/l	96
49) 1,4-Dioxane	9.694	88	11056	385.429	ug/l #	86
51) 4-Methyl-2-Pentanone	10.441	43	203677	100.320	ug/l	100
52) Toluene	10.629	92	87148	19.773	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	49727	18.367	ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	53800	18.731	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	32754	19.952	ug/l	94
56) Ethyl methacrylate	10.871	69	47846	19.945	ug/l	97
57) 1,3-Dichloropropane	11.159	76	55593	19.241	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	99857	84.862	ug/l	98
59) 2-Hexanone	11.194	43	151963	100.078	ug/l	99
60) Dibromochloromethane	11.353	129	39756	19.815	ug/l	100
61) 1,2-Dibromoethane	11.465	107	33022	19.437	ug/l	97
64) Tetrachloroethene	11.100	164	32603	21.938	ug/l	94
65) Chlorobenzene	11.888	112	91821	18.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	34466	19.571	ug/l	99
67) Ethyl Benzene	11.959	91	157362	19.392	ug/l	96
68) m/p-Xylenes	12.065	106	121170	39.220	ug/l	99
69) o-Xylene	12.394	106	56737	19.306	ug/l	99
70) Styrene	12.406	104	98369	20.128	ug/l	99
71) Bromoform	12.576	173	26687	20.415	ug/l #	98
73) Isopropylbenzene	12.694	105	144690	19.568	ug/l	99
74) N-amyl acetate	12.488	43	56210	18.448	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	44871	17.771	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	37170m	19.497	ug/l	
77) Bromobenzene	12.976	156	37575	18.884	ug/l	98
78) n-propylbenzene	13.029	91	173601	20.356	ug/l	99
79) 2-Chlorotoluene	13.123	91	107703	18.918	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	124602	20.082	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	15355	17.780	ug/l	99
82) 4-Chlorotoluene	13.217	91	109025	18.396	ug/l	99
83) tert-Butylbenzene	13.435	119	101397	18.994	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	125117	19.590	ug/l	100
85) sec-Butylbenzene	13.612	105	140967	19.547	ug/l	99
86) p-Isopropyltoluene	13.729	119	117949	19.813	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	67345	17.159	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	66865	16.695	ug/l	98
89) n-Butylbenzene	14.053	91	95461	17.243	ug/l	98
90) Hexachloroethane	14.329	117	23744	18.298	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	64174	17.064	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8600	17.614	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	30704	15.028	ug/l	98
94) Hexachlorobutadiene	15.500	225	15630	16.576	ug/l	97
95) Naphthalene	15.635	128	84464	14.515	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	30470	15.630	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085192.D
Acq On : 13 Dec 2024 13:17
Operator : JC\MD
Sample : VN1213WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 13 23:31:21 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\VN121324\
 Data File : VN085192.D
 Acq On : 13 Dec 2024 13:17
 Operator : JC\MD
 Sample : VN1213WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_N

Client Sample Id :

VN1213WBS01

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 12/16/2024

Supervised By : Mahesh Dadoda 12/16/2024

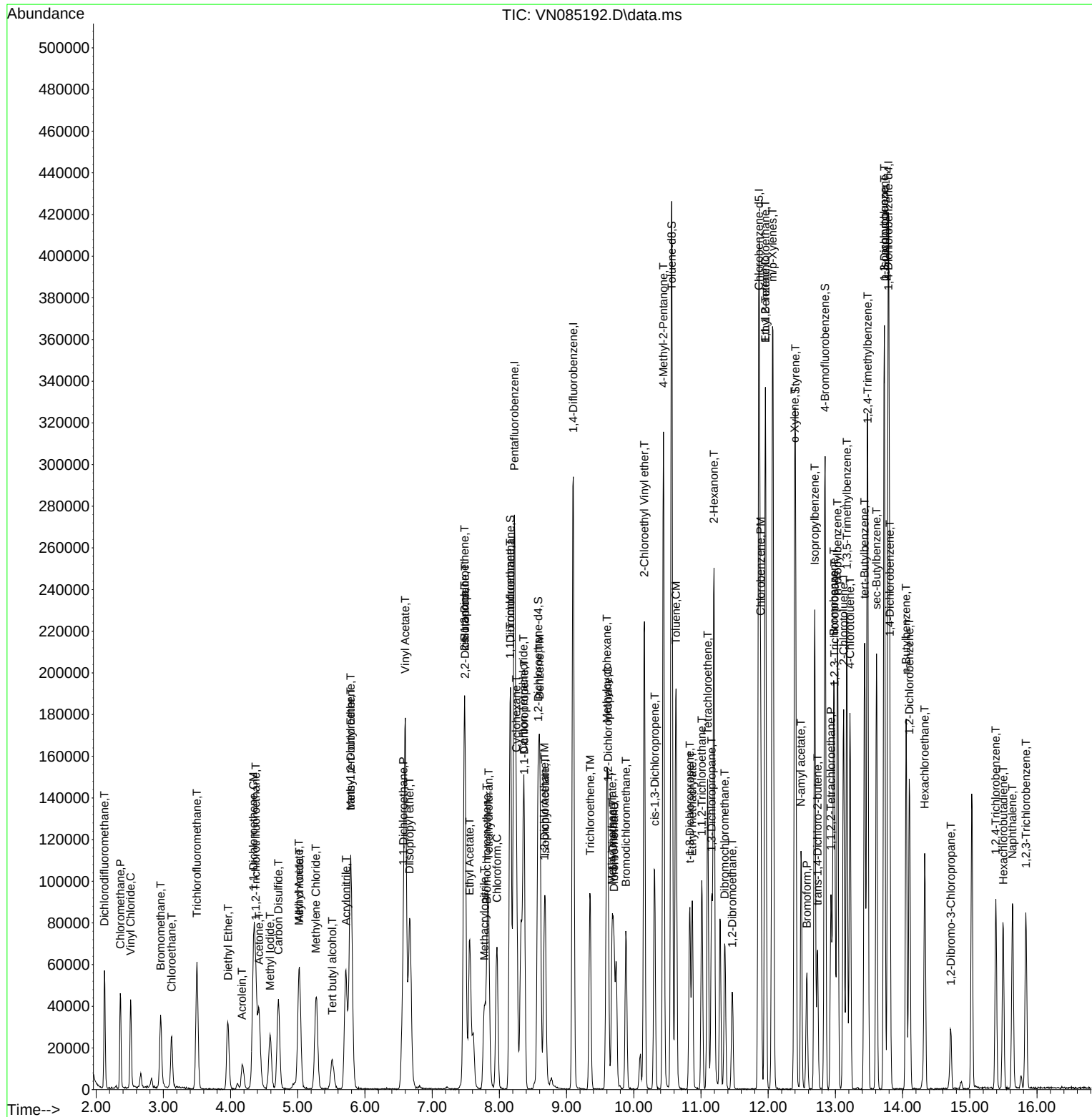
Quant Time: Dec 13 23:31:21 2024

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:	VN1217WBS02		SDG No.:	P5270
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.:	P5270
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.:	P5270
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

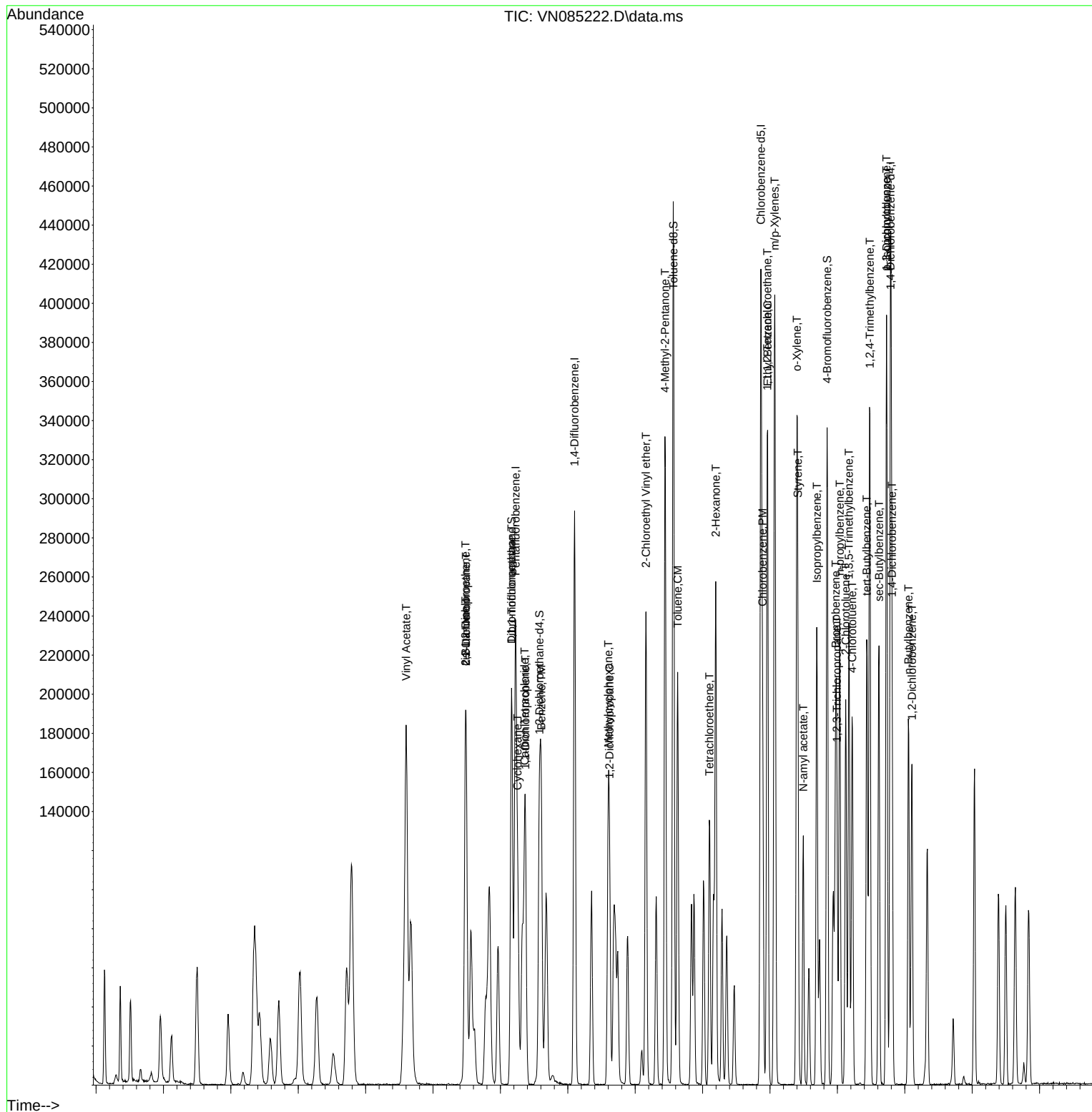
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121724\  
Data File : VN085222.D  
Acq On    : 17 Dec 2024  14:09  
Operator  : JC\MD  
Sample    : VN1217WBS02  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 7    Sample Multiplier: 1
```

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:	VN1213WBSD01			SDG No.:	P5270
Lab Sample ID:	VN1213WBSD01			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
VN085193.D	1		12/13/24 13:52	VN121324

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	20.6		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	22.7		0.34	1.00	ug/L
74-83-9	Bromomethane	27.4		1.40	5.00	ug/L
75-00-3	Chloroethane	21.2		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	22.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.0		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	21.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.5		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.1		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.9		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.25	1.00	ug/L
74-97-5	Bromochloromethane	17.1		0.18	1.00	ug/L
67-66-3	Chloroform	19.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.6		0.19	1.00	ug/L
71-43-2	Benzene	20.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.7		0.24	1.00	ug/L
79-01-6	Trichloroethene	21.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.3		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	21.4		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	21.6		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:	VN1213WBSD01	SDG No.:	P5270
Lab Sample ID:	VN1213WBSD01	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
VN085193.D	1		12/13/24 13:52	VN121324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.3		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	22.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.4		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	41.4		0.31	2.00	ug/L
95-47-6	o-Xylene	20.3		0.14	1.00	ug/L
100-42-5	Styrene	21.1		0.16	1.00	ug/L
75-25-2	Bromoform	22.4		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	18.8		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.9		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	17.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.2		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.4		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	47.1		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	138000	8.218			
540-36-3	1,4-Difluorobenzene	223000	9.1			
3114-55-4	Chlorobenzene-d5	201000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	97100	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:	VN1213WBSD01	SDG No.:	P5270
Lab Sample ID:	VN1213WBSD01	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
VN085193.D	1		12/13/24 13:52	VN121324

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\VN121324\
 Data File : VN085193.D
 Acq On : 13 Dec 2024 13:52
 Operator : JC\MD
 Sample : VN1213WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024
 Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 13 23:32:27 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	8.218	168	137829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	223171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	200688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	97109	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	94465	48.116	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.240%		
35) Dibromofluoromethane	8.165	113	74767	49.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.360%		
50) Toluene-d8	10.565	98	253906	47.076	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.160%		
62) 4-Bromofluorobenzene	12.847	95	96778	47.981	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	42570	27.315	ug/l	99
3) Chloromethane	2.359	50	37205	20.582	ug/l	98
4) Vinyl Chloride	2.512	62	36797	22.652	ug/l	94
5) Bromomethane	2.959	94	24991	27.448	ug/l	89
6) Chloroethane	3.124	64	23218	21.205	ug/l	99
7) Trichlorofluoromethane	3.506	101	60874	22.029	ug/l	93
8) Diethyl Ether	3.965	74	20125	21.398	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.377	101	32925	21.008	ug/l	98
10) Methyl Iodide	4.589	142	42506	20.489	ug/l	99
11) Tert butyl alcohol	5.512	59	25118	95.740	ug/l	98
12) 1,1-Dichloroethene	4.348	96	29233	19.983	ug/l	99
13) Acrolein	4.183	56	16541	94.487	ug/l	98
14) Allyl chloride	5.018	41	41392	16.784	ug/l	91
15) Acrylonitrile	5.718	53	78356	105.492	ug/l	98
16) Acetone	4.424	43	64469	112.751	ug/l	98
17) Carbon Disulfide	4.718	76	91459	21.181	ug/l	99
18) Methyl Acetate	5.018	43	36197	19.097	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	98114	20.527	ug/l	98
20) Methylene Chloride	5.277	84	35147	20.144	ug/l	94
21) trans-1,2-Dichloroethene	5.789	96	30978	20.122	ug/l	94
22) Diisopropyl ether	6.665	45	98045	19.753	ug/l	97
23) Vinyl Acetate	6.600	43	355368	103.780	ug/l	97
24) 1,1-Dichloroethane	6.565	63	58611	19.732	ug/l	99
25) 2-Butanone	7.477	43	97074	103.843	ug/l	96
26) 2,2-Dichloropropane	7.483	77	53328	19.227	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	36332	19.576	ug/l	99
28) Bromochloromethane	7.806	49	19144	17.074	ug/l	88
29) Tetrahydrofuran	7.836	42	62430	107.391	ug/l	98
30) Chloroform	7.959	83	62083	19.649	ug/l	95
31) Cyclohexane	8.259	56	52010	19.887	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	57452	20.122	ug/l	98
36) 1,1-Dichloropropene	8.365	75	42499	20.848	ug/l	99
37) Ethyl Acetate	7.559	43	40341	21.768	ug/l	99
38) Carbon Tetrachloride	8.359	117	50416	21.426	ug/l	98
39) Methylcyclohexane	9.600	83	43645	20.604	ug/l	100
40) Benzene	8.600	78	132014	20.476	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
 Data File : VN085193.D
 Acq On : 13 Dec 2024 13:52
 Operator : JC\MD
 Sample : VN1213WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213WBSD01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024
 Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 13 23:32:27 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)
41) Methacrylonitrile	7.777	41	22298	21.731	ug/l	98
42) 1,2-Dichloroethane	8.665	62	47952	21.740	ug/l	99
43) Isopropyl Acetate	8.683	43	67271	17.476	ug/l	98
44) Trichloroethene	9.353	130	32212	21.498	ug/l	90
45) 1,2-Dichloropropane	9.618	63	32235	20.299	ug/l	98
46) Dibromomethane	9.706	93	23698	21.476	ug/l	98
47) Bromodichloromethane	9.882	83	50073	21.411	ug/l	99
48) Methyl methacrylate	9.677	41	31561	22.033	ug/l	96
49) 1,4-Dioxane	9.694	88	10575	425.699	ug/l #	85
51) 4-Methyl-2-Pentanone	10.441	43	201185	114.424	ug/l	99
52) Toluene	10.629	92	82376	21.582	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	48424	20.653	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	52893	21.264	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	31269	21.994	ug/l	97
56) Ethyl methacrylate	10.871	69	46917	22.584	ug/l	99
57) 1,3-Dichloropropane	11.159	76	54218	21.668	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	97897	96.068	ug/l	99
59) 2-Hexanone	11.194	43	147247	111.975	ug/l	98
60) Dibromochloromethane	11.359	129	39092	22.499	ug/l	97
61) 1,2-Dibromoethane	11.465	107	32918	22.373	ug/l	95
64) Tetrachloroethene	11.100	164	29397	21.739	ug/l	96
65) Chlorobenzene	11.888	112	88898	19.532	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	33208	20.723	ug/l	98
67) Ethyl Benzene	11.959	91	147234	19.939	ug/l	99
68) m/p-Xylenes	12.071	106	116443	41.420	ug/l	98
69) o-Xylene	12.394	106	54232	20.280	ug/l	98
70) Styrene	12.406	104	93670	21.063	ug/l	99
71) Bromoform	12.576	173	26599	22.362	ug/l #	99
73) Isopropylbenzene	12.694	105	135190	19.734	ug/l	100
74) N-amyl acetate	12.494	43	56003	19.838	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	43891	18.762	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	35951m	20.353	ug/l	
77) Bromobenzene	12.976	156	35778	19.407	ug/l	99
78) n-propylbenzene	13.029	91	164854	20.863	ug/l	99
79) 2-Chlorotoluene	13.123	91	104560	19.823	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	120008	20.876	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	15312	19.137	ug/l	90
82) 4-Chlorotoluene	13.218	91	106543	19.403	ug/l	99
83) tert-Butylbenzene	13.435	119	97120	19.635	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	119810	20.247	ug/l	100
85) sec-Butylbenzene	13.612	105	136833	20.479	ug/l	99
86) p-Isopropyltoluene	13.729	119	112633	20.421	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	65134	17.912	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	64065	17.264	ug/l	96
89) n-Butylbenzene	14.053	91	92754	18.083	ug/l	98
90) Hexachloroethane	14.329	117	22474	18.693	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	62169	17.842	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	8369	18.501	ug/l	99
93) 1,2,4-Trichlorobenzene	15.382	180	30666	16.200	ug/l	98
94) Hexachlorobutadiene	15.494	225	15358	17.579	ug/l	99
95) Naphthalene	15.635	128	84376	15.650	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	29561	16.366	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121324\
Data File : VN085193.D
Acq On : 13 Dec 2024 13:52
Operator : JC\MD
Sample : VN1213WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024

Quant Time: Dec 13 23:32:27 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

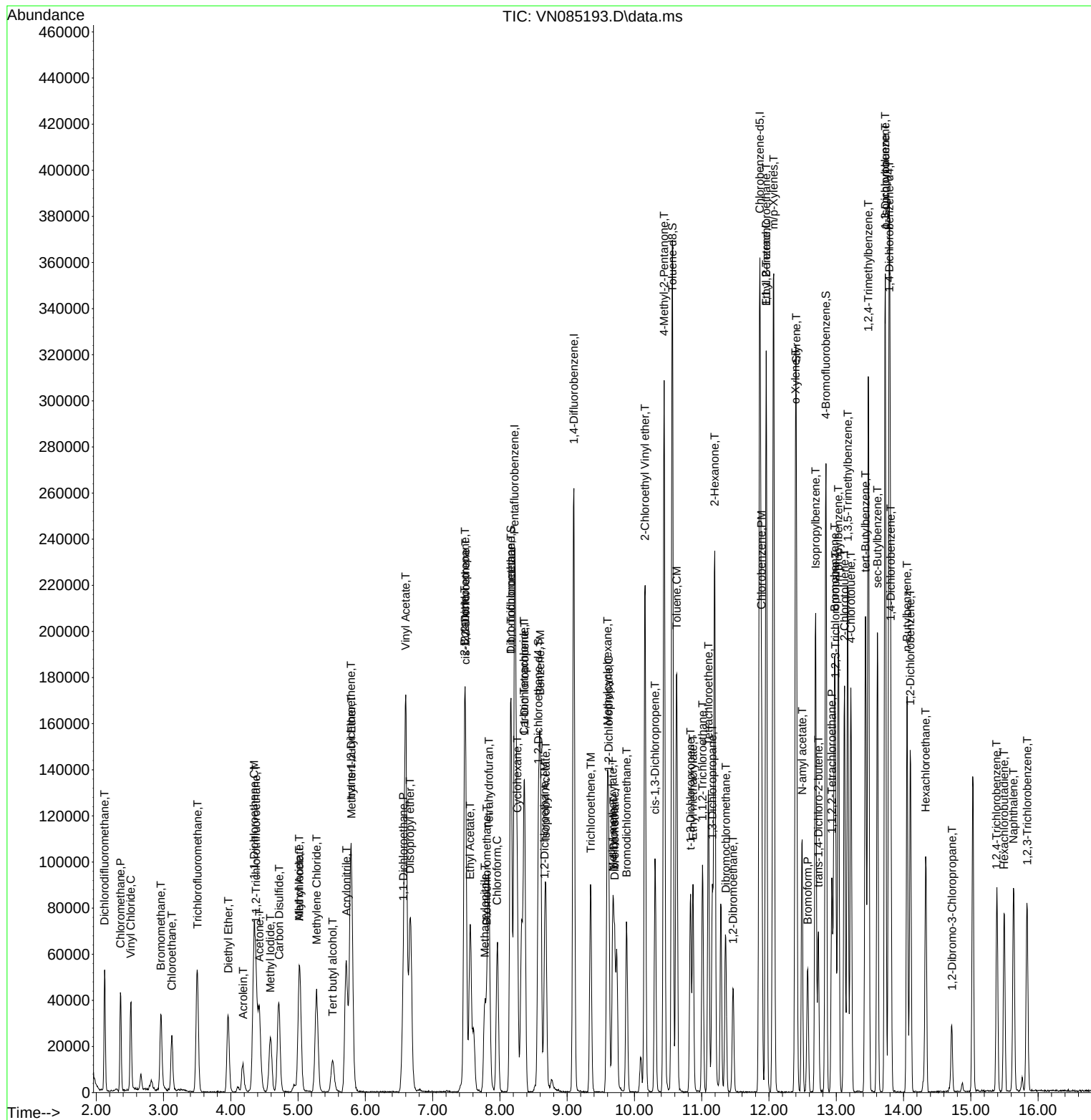
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_N
ClientSampleId :
VN1213WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2024
Supervised By :Mahesh Dadoda 12/16/2024



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:

vn121324

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085189.D	1,2,3-Trichloropropane	SAM	12/16/2024 6:44:47 AM	MMDadoda	12/16/2024 6:46:39 AM	Peak Integrated by Software
VN1213WBS01	VN085192.D	1,2,3-Trichloropropane	SAM	12/16/2024 6:44:51 AM	MMDadoda	12/16/2024 6:46:42 AM	Peak Integrated by Software
VN1213WBSD0 1	VN085193.D	1,2,3-Trichloropropane	SAM	12/16/2024 6:44:54 AM	MMDadoda	12/16/2024 6:46:44 AM	Peak Integrated by Software
P5270-07	VN085200.D	n-Butylbenzene	SAM	12/16/2024 6:44:57 AM	MMDadoda	12/16/2024 6:46:46 AM	Peak Integrated by Software
P5270-07	VN085200.D	p-Isopropyltoluene	SAM	12/16/2024 6:44:57 AM	MMDadoda	12/16/2024 6:46:46 AM	Peak Integrated by Software
P5270-07	VN085200.D	sec-Butylbenzene	SAM	12/16/2024 6:44:57 AM	MMDadoda	12/16/2024 6:46:46 AM	Peak Integrated by Software
VSTDCCC050	VN085205.D	1,2,3-Trichloropropane	SAM	12/16/2024 6:45:08 AM	MMDadoda	12/16/2024 6:46:51 AM	Peak Integrated by Software
VSTDCCC050	VN085205.D	trans-1,4-Dichloro-2-but ene	SAM	12/16/2024 6:45:08 AM	MMDadoda	12/16/2024 6:46:51 AM	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
P5270-07DL	VN085224.D	p-Isopropyltoluene	MMDadoda	12/18/2024 8:34:14 AM	SAM	12/18/2024 8:46:28 AM	Peak Integrated by Software
P5270-08	VN085225.D	p-Isopropyltoluene	MMDadoda	12/18/2024 8:34:11 AM	SAM	12/18/2024 8:46:31 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

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 # VN121324

Review By	Semsettin Yesilyurt	Review On	12/16/2024 6:45:39 AM		
Supervise By	Maresh Dadoda	Supervise On	12/16/2024 6:47:14 AM		
SubDirectory	VN121324	HP Acquire Method	MSVOA_N	HP Processing Method	82N112224W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP132109			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP132110,VP131111			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085188.D	13 Dec 2024 08:38	JC\MD	Ok
2	VSTDCCC050	VN085189.D	13 Dec 2024 11:54	JC\MD	Ok,M
3	VN1213MBL01	VN085190.D	13 Dec 2024 12:29	JC\MD	Ok
4	VN1213WBL01	VN085191.D	13 Dec 2024 12:53	JC\MD	Ok
5	VN1213WBS01	VN085192.D	13 Dec 2024 13:17	JC\MD	Ok,M
6	VN1213WBSD01	VN085193.D	13 Dec 2024 13:52	JC\MD	Ok,M
7	P5270-01	VN085194.D	13 Dec 2024 14:16	JC\MD	Ok
8	P5270-02	VN085195.D	13 Dec 2024 14:40	JC\MD	Ok
9	P5270-03	VN085196.D	13 Dec 2024 15:04	JC\MD	Ok
10	P5270-04	VN085197.D	13 Dec 2024 15:28	JC\MD	Ok
11	P5270-05	VN085198.D	13 Dec 2024 15:52	JC\MD	Ok
12	P5270-06	VN085199.D	13 Dec 2024 16:16	JC\MD	Ok
13	P5270-07	VN085200.D	13 Dec 2024 16:39	JC\MD	Dilution
14	P5270-08	VN085201.D	13 Dec 2024 17:03	JC\MD	ReRun
15	P5270-09	VN085202.D	13 Dec 2024 17:27	JC\MD	Ok
16	IBLK	VN085203.D	13 Dec 2024 17:51	JC\MD	Ok
17	P5270-10	VN085204.D	13 Dec 2024 18:15	JC\MD	Ok
18	VSTDCCC050	VN085205.D	13 Dec 2024 18:39	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 # 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 # VN121324

Review By	Semsettin Yesilyurt	Review On	12/16/2024 6:45:39 AM
Supervise By	Mahesh Dadoda	Supervise On	12/16/2024 6:47:14 AM
SubDirectory	VN121324	HP Acquire Method	MSVOA_N HP Processing Method 82N112224W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP132109
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP132110,VP131111

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085188.D	13 Dec 2024 08:38		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085189.D	13 Dec 2024 11:54	CCC high for com#39	JC\MD	Ok,M
3	VN1213MBL01	VN1213MBL01	VN085190.D	13 Dec 2024 12:29		JC\MD	Ok
4	VN1213WBL01	VN1213WBL01	VN085191.D	13 Dec 2024 12:53		JC\MD	Ok
5	VN1213WBS01	VN1213WBS01	VN085192.D	13 Dec 2024 13:17		JC\MD	Ok,M
6	VN1213WBSD01	VN1213WBSD01	VN085193.D	13 Dec 2024 13:52		JC\MD	Ok,M
7	P5270-01	MW8-20241211	VN085194.D	13 Dec 2024 14:16	vial A pH<2	JC\MD	Ok
8	P5270-02	MW11-20241211	VN085195.D	13 Dec 2024 14:40	vial A pH<2	JC\MD	Ok
9	P5270-03	MW15-20241211	VN085196.D	13 Dec 2024 15:04	vial A pH<2	JC\MD	Ok
10	P5270-04	MW17-20241211	VN085197.D	13 Dec 2024 15:28	vial A pH<2	JC\MD	Ok
11	P5270-05	MW9-20241212	VN085198.D	13 Dec 2024 15:52	vial A pH<2	JC\MD	Ok
12	P5270-06	MW13D-20241212	VN085199.D	13 Dec 2024 16:16	vial A pH<2	JC\MD	Ok
13	P5270-07	MW12-20241212	VN085200.D	13 Dec 2024 16:39	vial A pH<2 CCC failed high;Need 5X	JC\MD	Dilution
14	P5270-08	MW14-20241212	VN085201.D	13 Dec 2024 17:03	vial A pH<2 CCC failed high;E flag of previous sample	JC\MD	ReRun
15	P5270-09	MW16D-20241212	VN085202.D	13 Dec 2024 17:27	vial A pH<2	JC\MD	Ok
16	IBLK	IBLK	VN085203.D	13 Dec 2024 17:51		JC\MD	Ok
17	P5270-10	TB-20241213	VN085204.D	13 Dec 2024 18:15	vial A pH<2 TB	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN121324

Review By	Semsettin Yesilyurt	Review On	12/16/2024 6:45:39 AM			
Supervise By	Mahesh Dadoda	Supervise On	12/16/2024 6:47:14 AM			
SubDirectory	VN121324	HP Acquire Method	MSVOA_N	HP Processing Method	82N112224W.M	
STD. NAME		STD REF.#				
Tune/Reschk Initial Calibration Stds		VP132109				
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP132110,VP131111				

18	VSTDCCC050	VSTDCCC050EC	VN085205.D	13 Dec 2024 18:39		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	TB-20241216	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



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#: **301 Plainfield Rd.**
ADDRESS: **301 Plainfield Rd.**
CITY: **Syracuse** STATE: **NY** ZIP: **13212**
ATTENTION: **S. Liberatore** 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
TDS
Sulfate

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.	MW8-20241211	GW		X	12-11-24	0954	4	X			X	X					
2.	MW11-20241211	GW		X	12-11-24	1112	2	X									
3.	MW15-20241211	GW		X	12-11-24	1247	4	X			X	X					
4.	MW17-20241211	GW		X	12-11-24	1355	4	X			X	X					
5.	MW9-20241212	GW		X	12-12-24	1018	4	X			X	X					
6.	MW13D-20241212	GW		X	12-12-24	1151	2	X									
7.	MW12-20241212	GW		X	12-12-24	1228	3	X	X								
8.	MW14-20241212	GW		X	12-12-24	1324	3	X	X								
9.	MW16D-20241212	GW		X	12-12-24	1424	4	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. Bill Chaky	DATE/TIME: 12-12-24	RECEIVED BY: 12/13/24	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.7°C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY:	Comments:
RELINQUISHED BY SAMPLER: 3.	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 : P5270 PARS02

Order Date : 12/13/2024 10:02:00 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 : 12/13/2024 7:00:00 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
P5270-01	MW8-20241211	Water	12/11/2024	09:54					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5270-02	MW11-20241211	Water	12/11/2024	11:12					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5270-03	MW15-20241211	Water	12/11/2024	12:47					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5270-04	MW17-20241211	Water	12/11/2024	13:55					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5270-05	MW9-20241211 20241212	Water	12/12/2024	10:18					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5270-06	MW13D-20241211 20241212	Water	12/12/2024	11:51					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5270-07	MW12-20241211 20241212	Water	12/12/2024	12:28					
					VOCMS Group1		8260-Low	10 Bus. Days	
P5270-08	MW14-20241211 20241212	Water	12/12/2024	13:24					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P5270 PARS02

Order Date : 12/13/2024 10:02:00 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 : 12/13/2024 7:00:00 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
P5270-09	MW16D- ~~20241211~~ 20241212	Water	12/12/2024	14:24	VOCMS Group1		8260-Low	10 Bus. Days	
P5270-10	TB- ~~20241211~~ 20241213	Water	12/13/2024	00:00	VOCMS Group1		8260-Low	10 Bus. Days	
					VOCMS Group1		8260-Low	10 Bus. Days	

Relinquished By :

Date / Time : 12/13/24 1030

Received By :

Date / Time : 12-13-24 10:30

Storage Area : VOA Refridgerator Room