

Cover Page

Order ID : Q2202

Project ID : Con Ed Non MGP – Atlantic Ave 453957.600024.05

Client : PARSONS Engineering of New York, Inc.

Lab Sample Number

Q2202-01
Q2202-02
Q2202-03
Q2202-04
Q2202-05
Q2202-06

Client Sample Number

MW-9-20250603
MW-11-20250603
MW-12-20250603
MW-130-20250603
MW-1A-20250603
TB-20250603

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: 6/6/2025

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 #: Q2202

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 06/06/2025

LAB CHRONICLE

OrderID:	Q2202	OrderDate:	6/4/2025 11:59:00 AM
Client:	PARSONS Engineering of New York, Inc.	Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05
Contact:	Stephen Liberatore	Location:	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2202-01	MW-9-20250603	Water	VOCMS Group1	8260-Low	06/03/25		06/10/25	06/03/25
Q2202-02	MW-11-20250603	Water	VOCMS Group1	8260-Low	06/03/25		06/10/25	06/03/25
Q2202-03	MW-12-20250603	Water	VOCMS Group1	8260-Low	06/03/25		06/10/25	06/03/25
Q2202-03DL	MW-12-20250603DL	Water	VOCMS Group1	8260-Low	06/03/25		06/11/25	06/03/25
Q2202-04	MW-130-20250603	Water	VOCMS Group1	8260-Low	06/03/25		06/11/25	06/03/25
Q2202-05	MW-1A-20250603	Water	VOCMS Group1	8260-Low	06/03/25		06/11/25	06/03/25
Q2202-06	TB-20250603	Water	VOCMS Group1	8260-Low	06/03/25		06/11/25	06/03/25

Hit Summary Sheet
SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-9-20250603							
Q2202-01	MW-9-20250603	Water	Acetone	2.20	J	1.50	5.00	ug/L
Q2202-01	MW-9-20250603	Water	2-Butanone	1.30	J	0.98	5.00	ug/L
Q2202-01	MW-9-20250603	Water	Chloroform	7.10		0.25	1.00	ug/L
Q2202-01	MW-9-20250603	Water	Trichloroethene	0.32	J	0.090	1.00	ug/L
Q2202-01	MW-9-20250603	Water	Tetrachloroethene	0.39	J	0.23	1.00	ug/L
			Total Voc :			11.3		
Q2202-01	MW-9-20250603	Water	sec-Butylbenzene	* 0.24	J	0.13	1.00	ug/L
			Total Tics :			0.24		
			Total Concentration:			11.6		
Client ID:	MW-11-20250603							
Q2202-02	MW-11-20250603	Water	Acetone	1.90	J	1.50	5.00	ug/L
Q2202-02	MW-11-20250603	Water	Methyl tert-butyl Ether	0.64	J	0.16	1.00	ug/L
Q2202-02	MW-11-20250603	Water	Chloroform	0.51	J	0.25	1.00	ug/L
Q2202-02	MW-11-20250603	Water	Tetrachloroethene	1.90		0.23	1.00	ug/L
			Total Voc :			4.95		
			Total Concentration:			4.95		
Client ID:	MW-12-20250603							
Q2202-03	MW-12-20250603	Water	Acetone	3.30	J	1.50	5.00	ug/L
Q2202-03	MW-12-20250603	Water	Carbon Disulfide	19.5		0.21	1.00	ug/L
Q2202-03	MW-12-20250603	Water	Methyl tert-butyl Ether	1.20		0.16	1.00	ug/L
Q2202-03	MW-12-20250603	Water	Methylcyclohexane	18.5		0.16	1.00	ug/L
Q2202-03	MW-12-20250603	Water	Benzene	4.10		0.15	1.00	ug/L
Q2202-03	MW-12-20250603	Water	Trichloroethene	0.56	J	0.090	1.00	ug/L
Q2202-03	MW-12-20250603	Water	Toluene	1.90		0.14	1.00	ug/L
Q2202-03	MW-12-20250603	Water	Ethyl Benzene	240	E	0.13	1.00	ug/L
Q2202-03	MW-12-20250603	Water	m/p-Xylenes	13.1		0.24	2.00	ug/L
Q2202-03	MW-12-20250603	Water	o-Xylene	13.5		0.12	1.00	ug/L
Q2202-03	MW-12-20250603	Water	Isopropylbenzene	65.7		0.12	1.00	ug/L
			Total Voc :			381		
Q2202-03	MW-12-20250603	Water	Benzene, 1,2,4,5-tetramethyl-	* 15.1	J	0	0	ug/L
Q2202-03	MW-12-20250603	Water	Azulene	* 250	J	0	0	ug/L
Q2202-03	MW-12-20250603	Water	Indane	* 130	J	0	0	ug/L
Q2202-03	MW-12-20250603	Water	Benzene, 1-ethyl-2-methyl-	* 35.4	J	0	0	ug/L
Q2202-03	MW-12-20250603	Water	Indan, 1-methyl-	* 54.8	J	0	0	ug/L
Q2202-03	MW-12-20250603	Water	1H-Indene, 2,3-dihydro-4-meth	* 35.4	J	0	0	ug/L
Q2202-03	MW-12-20250603	Water	Benzene, 1-ethyl-2,4-dimethyl-	* 45.1	J	0	0	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2202-03	MW-12-20250603	Water	2-Methylindene	* 29.2	J	0	0	ug/L
Q2202-03	MW-12-20250603	Water	Sulfur dioxide	* 39.3	J	0	0	ug/L
Q2202-03	MW-12-20250603	Water	n-propylbenzene	* 73.5	J	0.13	1.00	ug/L
Q2202-03	MW-12-20250603	Water	1,3,5-Trimethylbenzene	* 26.1	J	0.15	1.00	ug/L
Q2202-03	MW-12-20250603	Water	1,2,4-Trimethylbenzene	* 240	J	0.14	1.00	ug/L
Q2202-03	MW-12-20250603	Water	sec-Butylbenzene	* 3.20	J	0.13	1.00	ug/L
Q2202-03	MW-12-20250603	Water	p-Isopropyltoluene	* 6.20	J	0.13	1.00	ug/L
Q2202-03	MW-12-20250603	Water	n-Butylbenzene	* 4.40	J	0.15	1.00	ug/L
Total Tics :				988				
Total Concentration:				1370				
Client ID:	MW-12-20250603DL							
Q2202-03DL	MW-12-20250603E	Water	Carbon Disulfide	28.4	D	1.10	5.00	ug/L
Q2202-03DL	MW-12-20250603E	Water	Methylcyclohexane	17.3	D	0.80	5.00	ug/L
Q2202-03DL	MW-12-20250603E	Water	Benzene	3.90	JD	0.75	5.00	ug/L
Q2202-03DL	MW-12-20250603E	Water	Toluene	2.00	JD	0.70	5.00	ug/L
Q2202-03DL	MW-12-20250603E	Water	Ethyl Benzene	220	D	0.65	5.00	ug/L
Q2202-03DL	MW-12-20250603E	Water	m/p-Xylenes	13.1	D	1.20	10.0	ug/L
Q2202-03DL	MW-12-20250603E	Water	o-Xylene	12.5	D	0.60	5.00	ug/L
Q2202-03DL	MW-12-20250603E	Water	Isopropylbenzene	58.5	D	0.60	5.00	ug/L
Total Voc :				356				
Total Concentration:				356				
Client ID:	MW-130-20250603							
Q2202-04	MW-130-20250603	Water	Acetone	1.50	J	1.50	5.00	ug/L
Q2202-04	MW-130-20250603	Water	Chloroform	2.00		0.25	1.00	ug/L
Q2202-04	MW-130-20250603	Water	Tetrachloroethene	2.80		0.23	1.00	ug/L
Total Voc :				6.30				
Q2202-04	MW-130-20250603	Water	Naphthalene	* 0.26	J	0.20	1.00	ug/L
Total Tics :				0.26				
Total Concentration:				6.56				
Client ID:	MW-1A-20250603							
Q2202-05	MW-1A-20250603	Water	Acetone	4.40	J	1.50	5.00	ug/L
Q2202-05	MW-1A-20250603	Water	2-Butanone	1.20	J	0.98	5.00	ug/L
Q2202-05	MW-1A-20250603	Water	Chloroform	1.50		0.25	1.00	ug/L
Q2202-05	MW-1A-20250603	Water	Benzene	2.20		0.15	1.00	ug/L
Q2202-05	MW-1A-20250603	Water	4-Methyl-2-Pentanone	0.85	J	0.68	5.00	ug/L
Total Voc :				10.2				
Q2202-05	MW-1A-20250603	Water	Naphthalene	* 0.34	J	0.20	1.00	ug/L
Total Tics :				0.34				

Hit Summary Sheet
SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				10.5				



QC SUMMARY

Surrogate Summary

SDG No.: **Q2202**

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

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2202-01	MW-9-20250603	1,2-Dichloroethane-d4	50	49.2	98	74	125
		Dibromofluoromethane	50	49.4	99	75	124
		Toluene-d8	50	52.2	104	86	113
		4-Bromofluorobenzene	50	50.1	100	77	121
Q2202-02	MW-11-20250603	1,2-Dichloroethane-d4	50	49.7	99	74	125
		Dibromofluoromethane	50	50.2	100	75	124
		Toluene-d8	50	52.1	104	86	113
		4-Bromofluorobenzene	50	49.9	100	77	121
Q2202-03	MW-12-20250603	1,2-Dichloroethane-d4	50	49.2	98	74	125
		Dibromofluoromethane	50	49.6	99	75	124
		Toluene-d8	50	52.6	105	86	113
		4-Bromofluorobenzene	50	50.2	100	77	121
Q2202-03DL	MW-12-20250603DL	1,2-Dichloroethane-d4	50	50.3	101	74	125
		Dibromofluoromethane	50	50.1	100	75	124
		Toluene-d8	50	52.2	104	86	113
		4-Bromofluorobenzene	50	51.3	103	77	121
Q2202-04	MW-130-20250603	1,2-Dichloroethane-d4	50	48.4	97	74	125
		Dibromofluoromethane	50	49.0	98	75	124
		Toluene-d8	50	51.3	103	86	113
		4-Bromofluorobenzene	50	48.9	98	77	121
Q2202-05	MW-1A-20250603	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	49.8	100	77	121
Q2202-06	TB-20250603	1,2-Dichloroethane-d4	50	48.9	98	74	125
		Dibromofluoromethane	50	49.4	99	75	124
		Toluene-d8	50	51.8	104	86	113
		4-Bromofluorobenzene	50	49.7	99	77	121
VN0610WBL01	VN0610WBL01	1,2-Dichloroethane-d4	50	46.7	93	74	125
		Dibromofluoromethane	50	49.0	98	75	124
		Toluene-d8	50	51.5	103	86	113
		4-Bromofluorobenzene	50	49.0	98	77	121
VN0610WBS01	VN0610WBS01	1,2-Dichloroethane-d4	50	45.4	91	74	125
		Dibromofluoromethane	50	49.5	99	75	124
		Toluene-d8	50	48.6	97	86	113
		4-Bromofluorobenzene	50	48.3	97	77	121
VN0610WBSD0	VN0610WBSD01	1,2-Dichloroethane-d4	50	47.0	94	74	125
		Dibromofluoromethane	50	49.8	100	75	124
		Toluene-d8	50	48.1	96	86	113
		4-Bromofluorobenzene	50	48.6	97	77	121
VN0611WBL01	VN0611WBL01	1,2-Dichloroethane-d4	50	48.3	97	74	125
		Dibromofluoromethane	50	49.3	99	75	124
		Toluene-d8	50	51.7	103	86	113
		4-Bromofluorobenzene	50	49.4	99	77	121
VN0611WBS02	VN0611WBS02	1,2-Dichloroethane-d4	50	47.1	94	74	125
		Dibromofluoromethane	50	51.1	102	75	124
		Toluene-d8	50	48.7	97	86	113
		4-Bromofluorobenzene	50	50.0	100	77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN086916.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0610WBS01	Dichlorodifluoromethane	20	19.0	ug/L	95			69	116	
	Chloromethane	20	15.9	ug/L	79			65	116	
	Vinyl chloride	20	18.0	ug/L	90			65	117	
	Bromomethane	20	19.7	ug/L	99			58	125	
	Chloroethane	20	18.4	ug/L	92			56	128	
	Trichlorofluoromethane	20	18.3	ug/L	92			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/L	91			80	112	
	1,1-Dichloroethene	20	18.7	ug/L	94			74	110	
	Acetone	100	80.3	ug/L	80			60	125	
	Carbon disulfide	20	17.1	ug/L	86			64	112	
	Methyl tert-butyl Ether	20	18.7	ug/L	94			78	114	
	Methyl Acetate	20	17.1	ug/L	86			67	125	
	Methylene Chloride	20	17.4	ug/L	87			72	114	
	trans-1,2-Dichloroethene	20	17.9	ug/L	90			75	108	
	1,1-Dichloroethane	20	18.2	ug/L	91			78	112	
	Cyclohexane	20	16.5	ug/L	83			75	110	
	2-Butanone	100	84.0	ug/L	84			65	122	
	Carbon Tetrachloride	20	18.8	ug/L	94			77	113	
	cis-1,2-Dichloroethene	20	18.7	ug/L	94			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	18.1	ug/L	91			80	108	
	Methylcyclohexane	20	15.9	ug/L	79			72	115	
	Benzene	20	18.5	ug/L	93			82	109	
	1,2-Dichloroethane	20	18.7	ug/L	94			80	115	
	Trichloroethene	20	19.3	ug/L	97			77	113	
	1,2-Dichloropropane	20	18.6	ug/L	93			83	111	
	Bromodichloromethane	20	18.8	ug/L	94			83	110	
	4-Methyl-2-Pentanone	100	91.5	ug/L	92			74	118	
	Toluene	20	19.0	ug/L	95			82	110	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			79	110	
	cis-1,3-Dichloropropene	20	19.3	ug/L	97			82	110	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			83	112	
	2-Hexanone	100	87.4	ug/L	87			73	117	
	Dibromochloromethane	20	19.5	ug/L	98			82	110	
	1,2-Dibromoethane	20	18.9	ug/L	95			81	110	
	Tetrachloroethene	20	17.9	ug/L	90			67	123	
	Chlorobenzene	20	18.9	ug/L	95			82	109	
	Ethyl Benzene	20	18.3	ug/L	92			83	109	
	m/p-Xylenes	40	37.7	ug/L	94			82	110	
	o-Xylene	20	18.9	ug/L	95			83	109	
	Styrene	20	19.0	ug/L	95			80	111	
	Bromoform	20	20.1	ug/L	101			79	109	
	Isopropylbenzene	20	18.1	ug/L	91			83	112	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			76	118	
	1,3-Dichlorobenzene	20	18.8	ug/L	94			82	108	
	1,4-Dichlorobenzene	20	18.7	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	18.8	ug/L	94			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN086916.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0610WBS01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/L	93			68	112	
	1,2,4-Trichlorobenzene	20	17.0	ug/L	85			75	113	
	1,2,3-Trichlorobenzene	20	15.7	ug/L	79			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN086917.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0610WBSD01	Dichlorodifluoromethane	20	19.0	ug/L	95	0		69	116	20
	Chloromethane	20	16.1	ug/L	81	3		65	116	20
	Vinyl chloride	20	18.2	ug/L	91	1		65	117	20
	Bromomethane	20	19.2	ug/L	96	3		58	125	20
	Chloroethane	20	18.9	ug/L	95	3		56	128	20
	Trichlorofluoromethane	20	18.7	ug/L	94	2		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92	1		80	112	20
	1,1-Dichloroethene	20	18.8	ug/L	94	0		74	110	20
	Acetone	100	84.2	ug/L	84	5		60	125	20
	Carbon disulfide	20	17.4	ug/L	87	1		64	112	20
	Methyl tert-butyl Ether	20	19.7	ug/L	99	5		78	114	20
	Methyl Acetate	20	18.6	ug/L	93	8		67	125	20
	Methylene Chloride	20	18.6	ug/L	93	7		72	114	20
	trans-1,2-Dichloroethene	20	18.3	ug/L	92	2		75	108	20
	1,1-Dichloroethane	20	18.9	ug/L	95	4		78	112	20
	Cyclohexane	20	16.9	ug/L	85	2		75	110	20
	2-Butanone	100	90.8	ug/L	91	8		65	122	20
	Carbon Tetrachloride	20	19.2	ug/L	96	2		77	113	20
	cis-1,2-Dichloroethene	20	19.2	ug/L	96	2		77	110	20
	Bromochloromethane	20	17.7	ug/L	89	7		70	124	20
	Chloroform	20	18.7	ug/L	94	3		79	113	20
	1,1,1-Trichloroethane	20	18.4	ug/L	92	1		80	108	20
	Methylcyclohexane	20	16.3	ug/L	81	3		72	115	20
	Benzene	20	19.0	ug/L	95	2		82	109	20
	1,2-Dichloroethane	20	19.9	ug/L	100	6		80	115	20
	Trichloroethene	20	19.7	ug/L	99	2		77	113	20
	1,2-Dichloropropane	20	19.5	ug/L	98	5		83	111	20
	Bromodichloromethane	20	20.0	ug/L	100	6		83	110	20
	4-Methyl-2-Pentanone	100	98.3	ug/L	98	6		74	118	20
	Toluene	20	19.4	ug/L	97	2		82	110	20
	t-1,3-Dichloropropene	20	20.6	ug/L	103	5		79	110	20
	cis-1,3-Dichloropropene	20	20.3	ug/L	102	5		82	110	20
	1,1,2-Trichloroethane	20	20.2	ug/L	101	3		83	112	20
	2-Hexanone	100	94.9	ug/L	95	9		73	117	20
	Dibromochloromethane	20	20.9	ug/L	104	6		82	110	20
	1,2-Dibromoethane	20	20.3	ug/L	102	7		81	110	20
	Tetrachloroethene	20	18.4	ug/L	92	2		67	123	20
	Chlorobenzene	20	19.8	ug/L	99	4		82	109	20
	Ethyl Benzene	20	18.8	ug/L	94	2		83	109	20
	m/p-Xylenes	40	38.0	ug/L	95	1		82	110	20
	o-Xylene	20	19.7	ug/L	99	4		83	109	20
	Styrene	20	19.8	ug/L	99	4		80	111	20
	Bromoform	20	21.0	ug/L	105	4		79	109	20
	Isopropylbenzene	20	18.6	ug/L	93	2		83	112	20
	1,1,2,2-Tetrachloroethane	20	20.9	ug/L	104	7		76	118	20
	1,3-Dichlorobenzene	20	19.5	ug/L	98	4		82	108	20
	1,4-Dichlorobenzene	20	19.3	ug/L	97	3		82	107	20
	1,2-Dichlorobenzene	20	19.8	ug/L	99	5		82	109	20



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN086917.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0610WBSD01	1,2-Dibromo-3-Chloropropane	20	19.3	ug/L	97	4		68	112	20
	1,2,4-Trichlorobenzene	20	17.2	ug/L	86	1		75	113	20
	1,2,3-Trichlorobenzene	20	16.6	ug/L	83	5		76	114	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN086944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0611WBS02	Dichlorodifluoromethane	20	19.7	ug/L	99			69	116	
	Chloromethane	20	16.1	ug/L	81			65	116	
	Vinyl chloride	20	18.9	ug/L	95			65	117	
	Bromomethane	20	16.6	ug/L	83			58	125	
	Chloroethane	20	19.4	ug/L	97			56	128	
	Trichlorofluoromethane	20	19.2	ug/L	96			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			80	112	
	1,1-Dichloroethene	20	19.2	ug/L	96			74	110	
	Acetone	100	99.0	ug/L	99			60	125	
	Carbon disulfide	20	17.8	ug/L	89			64	112	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			78	114	
	Methyl Acetate	20	19.0	ug/L	95			67	125	
	Methylene Chloride	20	19.0	ug/L	95			72	114	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			75	108	
	1,1-Dichloroethane	20	19.4	ug/L	97			78	112	
	Cyclohexane	20	17.6	ug/L	88			75	110	
	2-Butanone	100	90.4	ug/L	90			65	122	
	Carbon Tetrachloride	20	19.2	ug/L	96			77	113	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			77	110	
	Bromochloromethane	20	19.9	ug/L	100			70	124	
	Chloroform	20	19.5	ug/L	98			79	113	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			80	108	
	Methylcyclohexane	20	16.9	ug/L	85			72	115	
	Benzene	20	19.3	ug/L	97			82	109	
	1,2-Dichloroethane	20	19.5	ug/L	98			80	115	
	Trichloroethene	20	19.9	ug/L	100			77	113	
	1,2-Dichloropropane	20	19.6	ug/L	98			83	111	
	Bromodichloromethane	20	19.6	ug/L	98			83	110	
	4-Methyl-2-Pentanone	100	98.0	ug/L	98			74	118	
	Toluene	20	19.5	ug/L	98			82	110	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			79	110	
	cis-1,3-Dichloropropene	20	20.1	ug/L	101			82	110	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			83	112	
	2-Hexanone	100	89.2	ug/L	89			73	117	
	Dibromochloromethane	20	20.5	ug/L	103			82	110	
	1,2-Dibromoethane	20	19.7	ug/L	99			81	110	
	Tetrachloroethene	20	19.2	ug/L	96			67	123	
	Chlorobenzene	20	20.0	ug/L	100			82	109	
	Ethyl Benzene	20	19.6	ug/L	98			83	109	
	m/p-Xylenes	40	39.6	ug/L	99			82	110	
	o-Xylene	20	20.2	ug/L	101			83	109	
	Styrene	20	20.1	ug/L	101			80	111	
	Bromoform	20	21.0	ug/L	105			79	109	
	Isopropylbenzene	20	19.3	ug/L	97			83	112	
	1,1,2,2-Tetrachloroethane	20	21.0	ug/L	105			76	118	
	1,3-Dichlorobenzene	20	20.3	ug/L	102			82	108	
	1,4-Dichlorobenzene	20	20.4	ug/L	102			82	107	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2202

Client: PARSONS Engineering of New York, Inc.

Analytical Method: SW8260-Low

Datafile : VN086944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VN0611WBS02	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			68	112	
	1,2,4-Trichlorobenzene	20	18.4	ug/L	92			75	113	
	1,2,3-Trichlorobenzene	20	17.8	ug/L	89			76	114	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0610WBL01

Lab Name: CHEMTECH

Contract: PARS02

Lab Code: CHEM Case No.: Q2202

SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: VN086915.D

Lab Sample ID: VN0610WBL01

Date Analyzed: 06/10/2025

Time Analyzed: 10:09

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
VN0610WBS01	VN0610WBS01	VN086916.D	06/10/2025
VN0610WBSD01	VN0610WBSD01	VN086917.D	06/10/2025
MW-9-20250603	Q2202-01	VN086934.D	06/10/2025
MW-11-20250603	Q2202-02	VN086935.D	06/10/2025
MW-12-20250603	Q2202-03	VN086936.D	06/10/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0611WBL01

Lab Name: CHEMTECH

Contract: PARS02

Lab Code: CHEM Case No.: Q2202

SAS No.: Q2202 SDG NO.: Q2202

Lab File ID: VN086942.D

Lab Sample ID: VN0611WBL01

Date Analyzed: 06/11/2025

Time Analyzed: 12:28

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
VN0611WBS02	VN0611WBS02	VN086944.D	06/11/2025
MW-12-20250603DL	Q2202-03DL	VN086947.D	06/11/2025
TB-20250603	Q2202-06	VN086949.D	06/11/2025
MW-1A-20250603	Q2202-05	VN086951.D	06/11/2025
MW-130-20250603	Q2202-04	VN086952.D	06/11/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PARS02
Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202
Lab File ID: VN086861.D BFB Injection Date: 06/06/2025
Instrument ID: MSVOA_N BFB Injection Time: 07:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.1
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	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN086862.D	06/06/2025	12:44
VSTDIC005	VSTDIC005	VN086863.D	06/06/2025	13:17
VSTDIC020	VSTDIC020	VN086864.D	06/06/2025	13:40
VSTDIC050	VSTDIC050	VN086865.D	06/06/2025	14:03
VSTDIC100	VSTDIC100	VN086866.D	06/06/2025	14:26
VSTDIC150	VSTDIC150	VN086867.D	06/06/2025	14:49



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PARS02
Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202
Lab File ID: VN086912.D BFB Injection Date: 06/10/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.1
75	30.0 - 60.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.3 (7.2) 1
176	95.0 - 101.0% of mass 174	71.3 (97.5) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086913.D	06/10/2025	09:13
VN0610WBL01	VN0610WBL01	VN086915.D	06/10/2025	10:09
VN0610WBS01	VN0610WBS01	VN086916.D	06/10/2025	10:30
VN0610WBSD01	VN0610WBSD01	VN086917.D	06/10/2025	11:04
MW-9-20250603	Q2202-01	VN086934.D	06/10/2025	17:09
MW-11-20250603	Q2202-02	VN086935.D	06/10/2025	17:31
MW-12-20250603	Q2202-03	VN086936.D	06/10/2025	17:52



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PARS02
Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202
Lab File ID: VN086939.D BFB Injection Date: 06/11/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:22
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	46.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	68.8 (96.8) 1
177	5.0 - 9.0% of mass 176	4.8 (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	VN086940.D	06/11/2025	11:32
VN0611WBL01	VN0611WBL01	VN086942.D	06/11/2025	12:28
VN0611WBS02	VN0611WBS02	VN086944.D	06/11/2025	13:27
MW-12-20250603DL	Q2202-03DL	VN086947.D	06/11/2025	14:44
TB-20250603	Q2202-06	VN086949.D	06/11/2025	15:28
MW-1A-20250603	Q2202-05	VN086951.D	06/11/2025	16:12
MW-130-20250603	Q2202-04	VN086952.D	06/11/2025	16:35

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PARS02
Lab Code: CHEM Case No.: Q2202 SAS No.: Q2202 SDG NO.: Q2202
Lab File ID: VN086913.D Date Analyzed: 06/10/2025
Instrument ID: MSVOA_N Time Analyzed: 09:13
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	239452	8.23	422119	9.11	362285	11.87
UPPER LIMIT	478904	8.73	844238	9.606	724570	12.365
LOWER LIMIT	119726	7.73	211060	8.606	181143	11.365
EPA SAMPLE NO.						
MW-9-20250603	312249	8.24	586192	9.11	514503	11.87
MW-11-20250603	320004	8.24	603215	9.11	538656	11.86
MW-12-20250603	311388	8.23	590517	9.11	527900	11.87
VN0610WBL01	241251	8.23	440901	9.11	386425	11.87
VN0610WBS01	249843	8.23	443174	9.11	389297	11.87
VN0610WBSD01	231054	8.23	413772	9.11	362257	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.: Q2202 SAS No.: Q2202 SDG NO.: Q2202
 Lab File ID: VN086913.D Date Analyzed: 06/10/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:13
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	170987	13.788				
UPPER LIMIT	341974	14.288				
LOWER LIMIT	85493.5	13.288				
EPA SAMPLE NO.						
MW-9-20250603	245448	13.79				
MW-11-20250603	259517	13.79				
MW-12-20250603	243200	13.79				
VN0610WBL01	183380	13.79				
VN0610WBS01	189620	13.79				
VN0610WBSD01	176612	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.: Q2202 SAS No.: Q2202 SDG NO.: Q2202
Lab File ID: VN086940.D Date Analyzed: 06/11/2025
Instrument ID: MSVOA_N Time Analyzed: 11:32
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	205098	8.23	357643	9.11	312173	11.87
UPPER LIMIT	410196	8.73	715286	9.606	624346	12.365
LOWER LIMIT	102549	7.73	178822	8.606	156087	11.365
EPA SAMPLE NO.						
MW-12-20250603DL	327908	8.24	625927	9.11	564664	11.87
MW-130-20250603	281008	8.24	529071	9.11	457419	11.87
MW-1A-20250603	321797	8.23	621476	9.11	553688	11.87
TB-20250603	324235	8.23	611383	9.11	538730	11.87
VN0611WBL01	328120	8.23	618651	9.11	543433	11.87
VN0611WBS02	206799	8.24	370524	9.11	321188	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.: Q2202 SAS No.: Q2202 SDG NO.: Q2202
 Lab File ID: VN086940.D Date Analyzed: 06/11/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:32
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	152136	13.788				
UPPER LIMIT	304272	14.288				
LOWER LIMIT	76068	13.288				
EPA SAMPLE NO.						
MW-12-20250603DL	268318	13.79				
MW-130-20250603	218595	13.79				
MW-1A-20250603	263952	13.79				
TB-20250603	263158	13.79				
VN0611WBL01	257257	13.79				
VN0611WBS02	157403	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 Engineering of New York, Inc.		Date Collected:	06/03/25	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/03/25	
Client Sample ID:	MW-9-20250603		SDG No.:	Q2202	
Lab Sample ID:	Q2202-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086934.D	1		06/10/25 17:09	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	2.20	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	1.30	J	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	7.10		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.32	J	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-9-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086934.D	1		06/10/25 17:09	VN061025

[illegible]

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-9-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086934.D	1		06/10/25 17:09	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
135-98-8	sec-Butylbenzene	0.24	J		13.6	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\VN061025\
 Data File : VN086934.D
 Acq On : 10 Jun 2025 17:09
 Operator : JC\MD
 Sample : Q2202-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-9-20250603

Quant Time: Jun 11 01:58:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

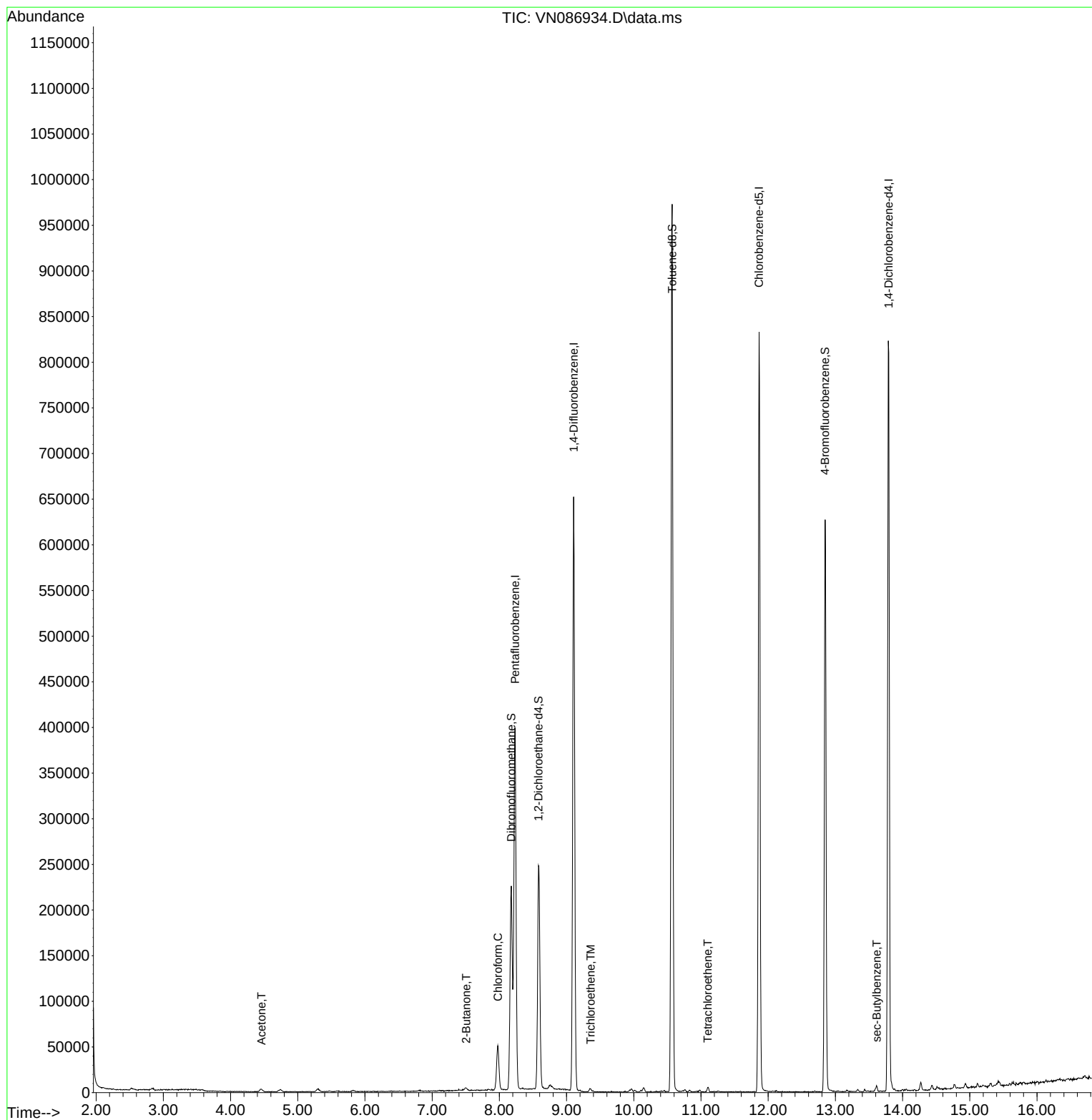
Internal Standards						
1) Pentafluorobenzene	8.235	168	312249	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	586192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	514503	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	205643	49.189	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.380%		
35) Dibromofluoromethane	8.177	113	171730	49.434	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.860%		
50) Toluene-d8	10.571	98	717348	52.162	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.320%		
62) 4-Bromofluorobenzene	12.847	95	255818	50.068	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.140%		
Target Compounds						
					Qvalue	
16) Acetone	4.459	43	4767	2.150	ug/l #	83
25) 2-Butanone	7.506	43	4592	1.274	ug/l	100
30) Chloroform	7.977	83	49850	7.139	ug/l	95
44) Trichloroethene	9.359	130	1265	0.315	ug/l	67
64) Tetrachloroethene	11.100	164	1275	0.392	ug/l #	71
85) sec-Butylbenzene	13.617	105	4740	0.242	ug/l	89

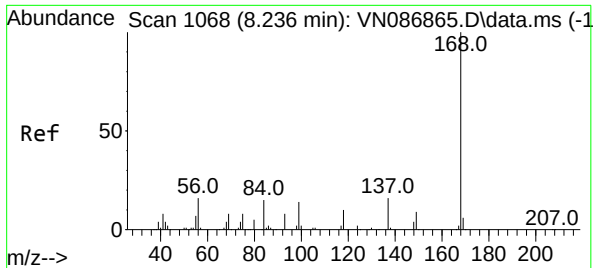
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086934.D
Acq On : 10 Jun 2025 17:09
Operator : JC\MD
Sample : Q2202-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

Quant Time: Jun 11 01:58:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

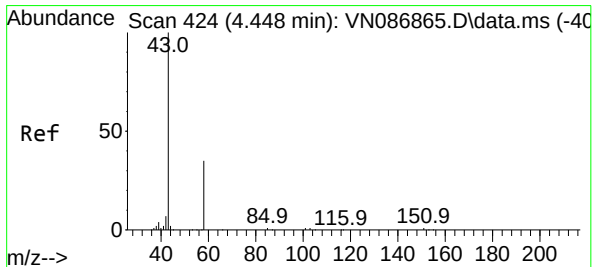
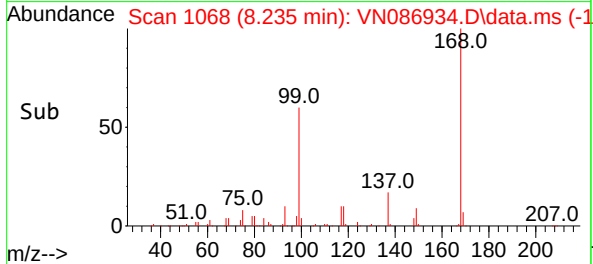
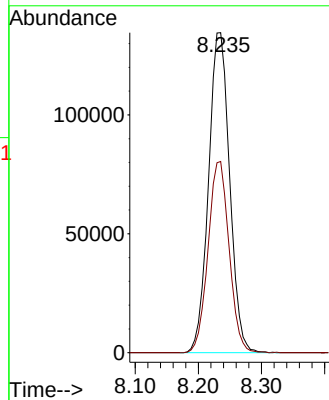
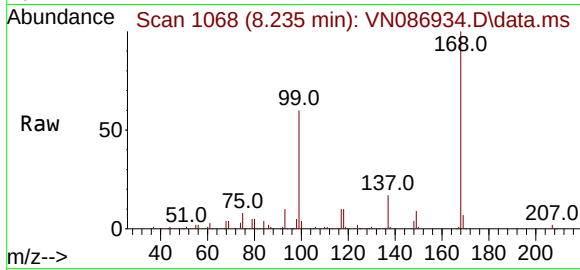




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

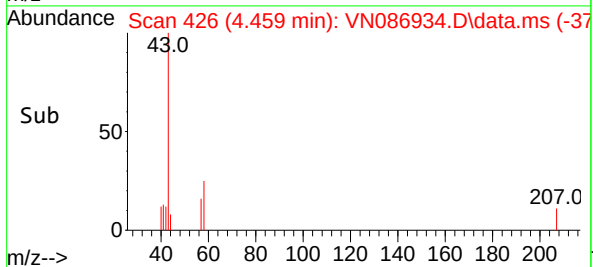
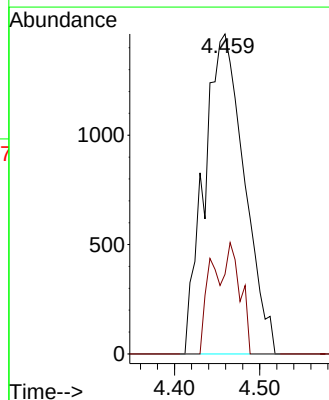
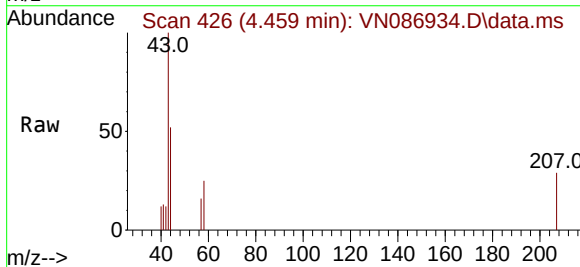
Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

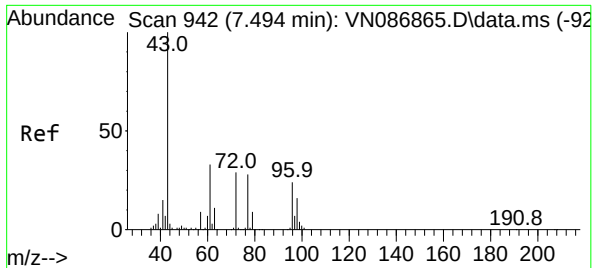
Tgt Ion:168 Resp: 312249
Ion Ratio Lower Upper
168 100
99 59.8 49.1 73.7



#16
Acetone
Concen: 2.150 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion: 43 Resp: 4767
Ion Ratio Lower Upper
43 100
58 24.9 28.0 42.0#

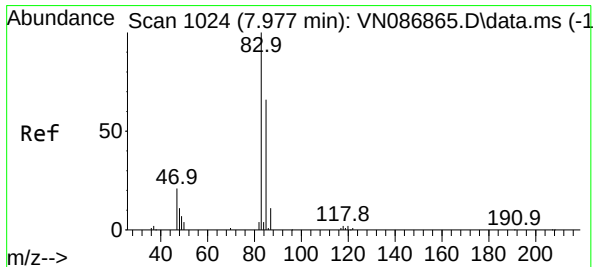
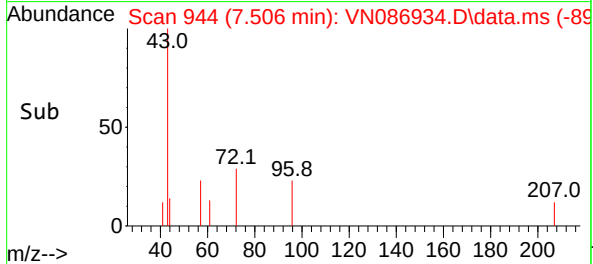
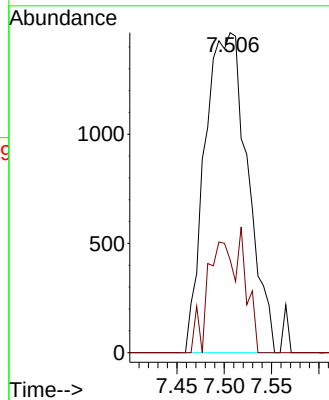
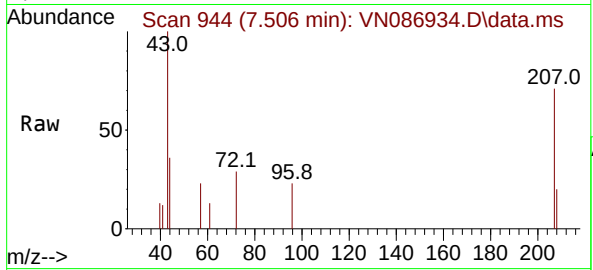




#25
2-Butanone
Concen: 1.274 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

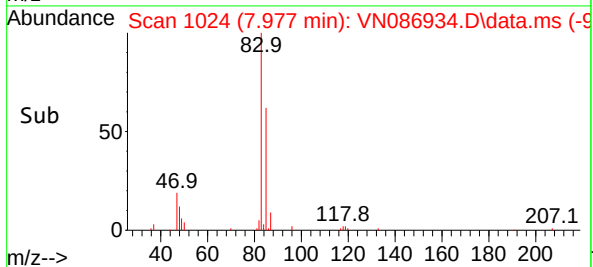
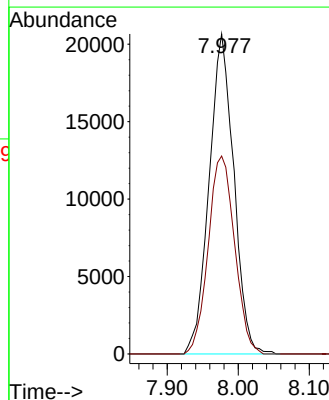
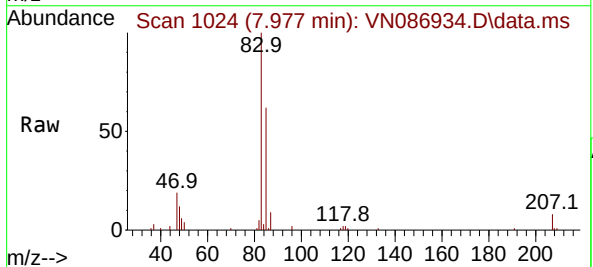
Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

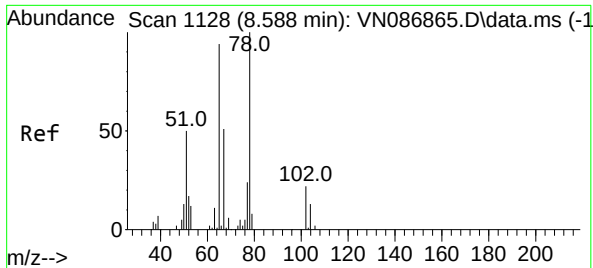
Tgt Ion: 43 Resp: 4592
Ion Ratio Lower Upper
43 100
72 29.0 23.0 34.6



#30
Chloroform
Concen: 7.139 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion: 83 Resp: 49850
Ion Ratio Lower Upper
83 100
85 61.9 52.9 79.3





#33

1,2-Dichloroethane-d4

Concen: 49.189 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

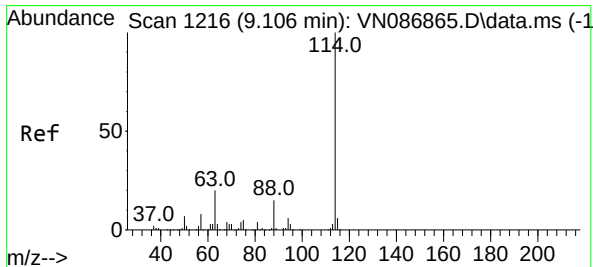
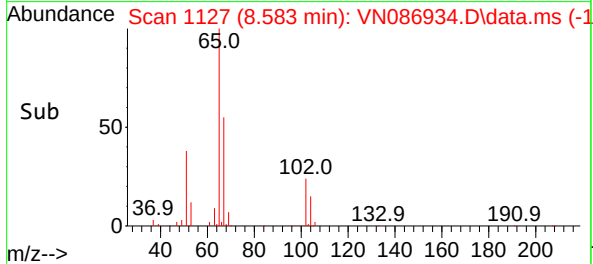
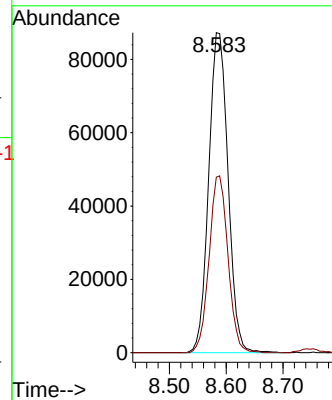
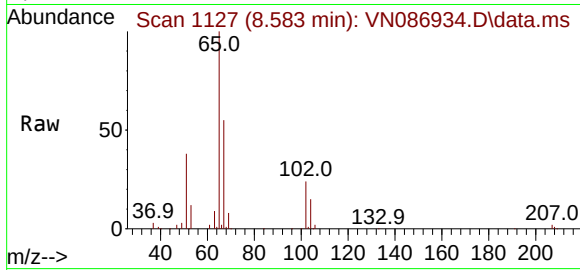
MW-9-20250603

Tgt Ion: 65 Resp: 205643

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

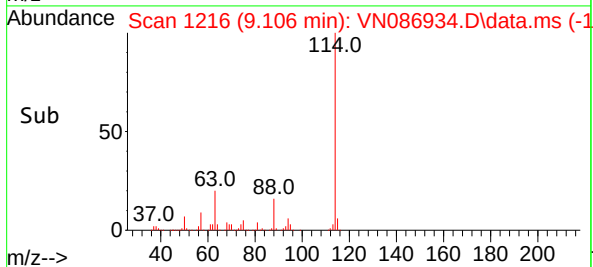
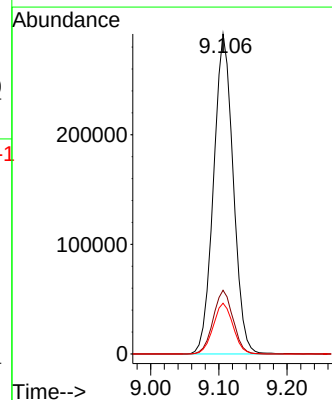
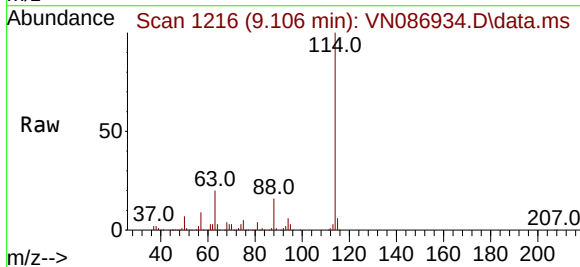
Tgt Ion: 114 Resp: 586192

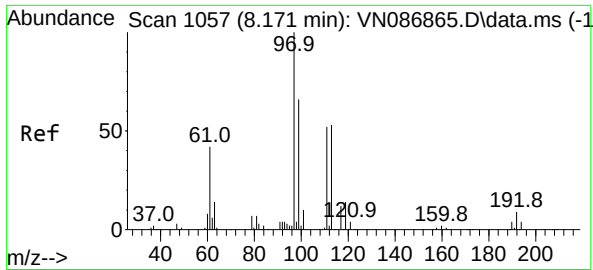
Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.434 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

MW-9-20250603

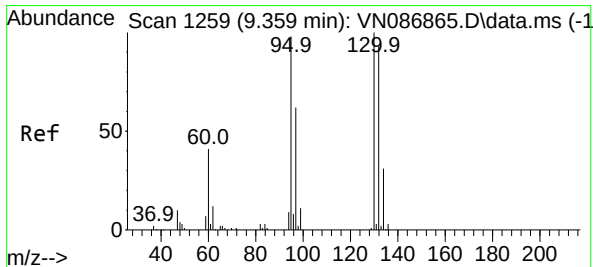
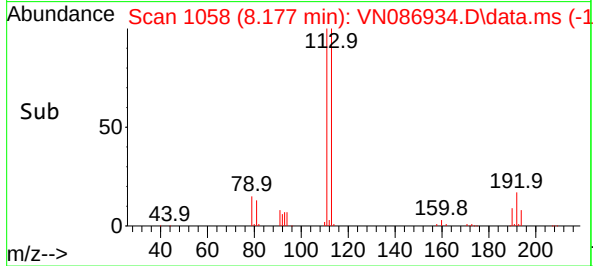
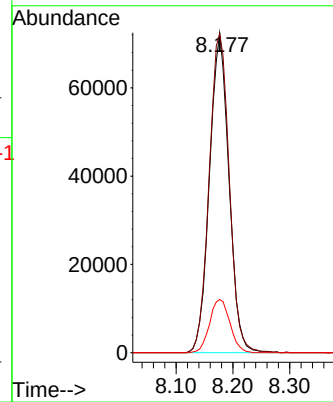
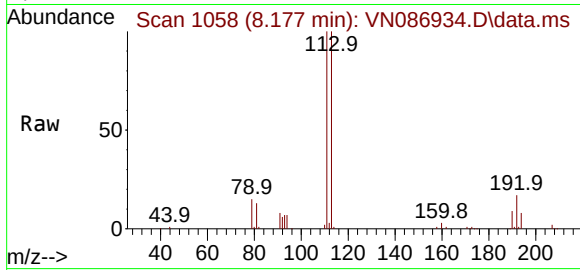
Tgt Ion:113 Resp: 171730

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.2

192 17.4 14.2 21.4



#44

Trichloroethene

Concen: 0.315 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN086934.D

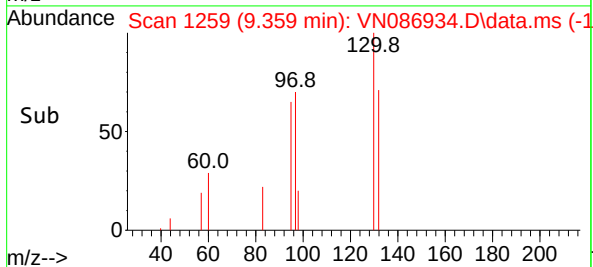
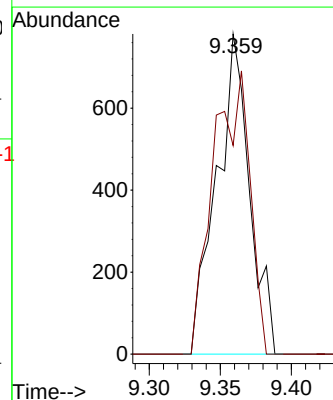
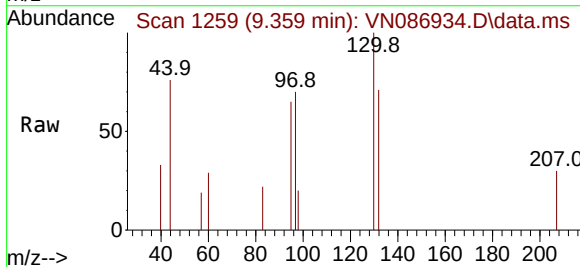
Acq: 10 Jun 2025 17:09

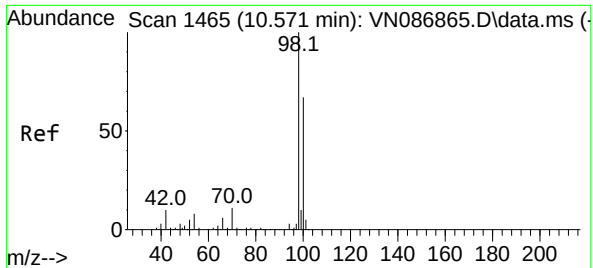
Tgt Ion:130 Resp: 1265

Ion Ratio Lower Upper

130 100

95 65.2 0.0 196.2





#50

Toluene-d8

Concen: 52.162 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

Instrument :

MSVOA_N

ClientSampleId :

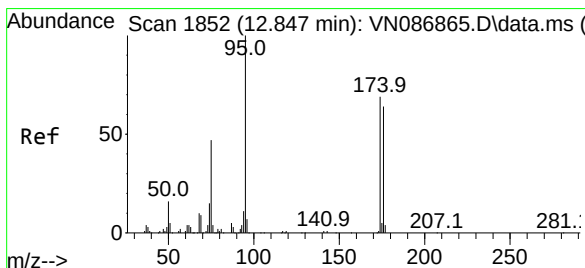
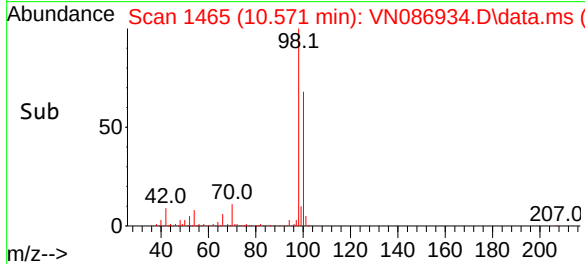
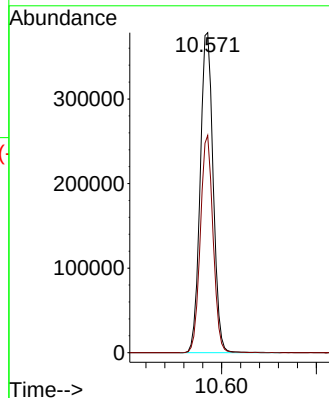
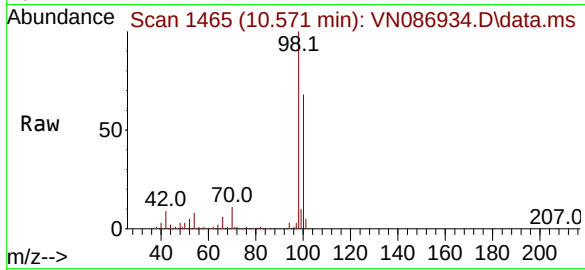
MW-9-20250603

Tgt Ion: 98 Resp: 717348

Ion Ratio Lower Upper

98 100

100 66.4 53.4 80.0



#62

4-Bromofluorobenzene

Concen: 50.068 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086934.D

Acq: 10 Jun 2025 17:09

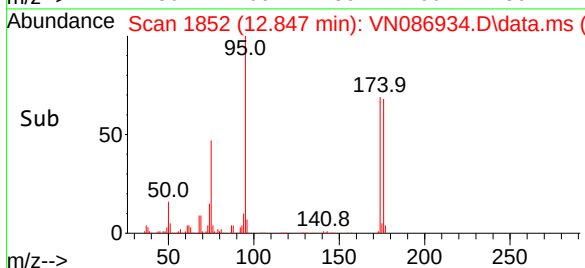
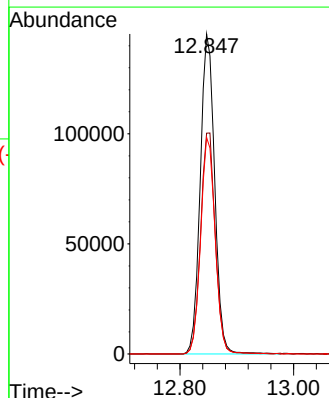
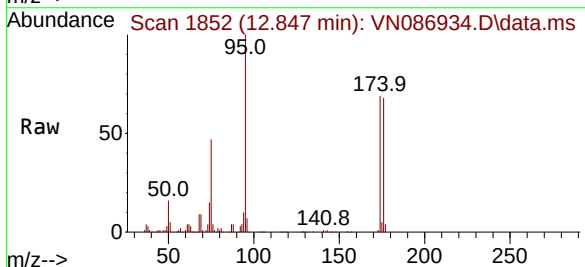
Tgt Ion: 95 Resp: 255818

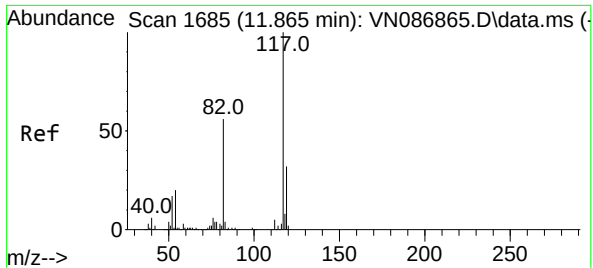
Ion Ratio Lower Upper

95 100

174 70.3 0.0 141.8

176 68.1 0.0 132.6

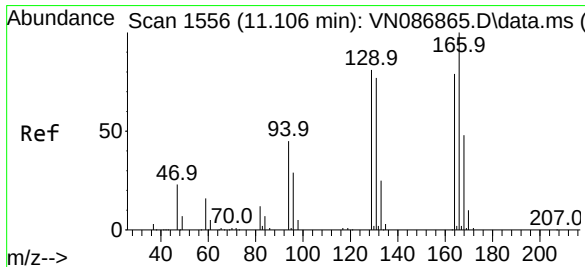
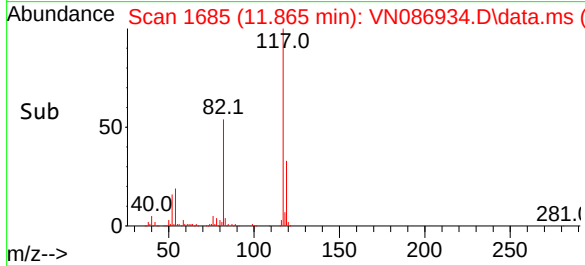
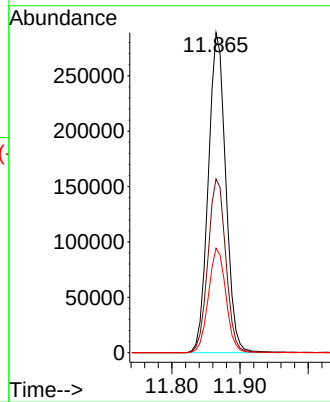
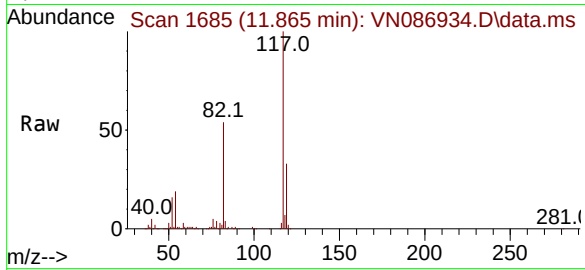




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

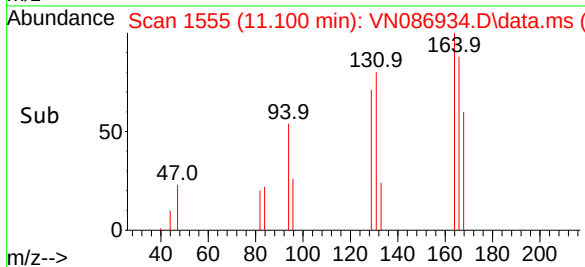
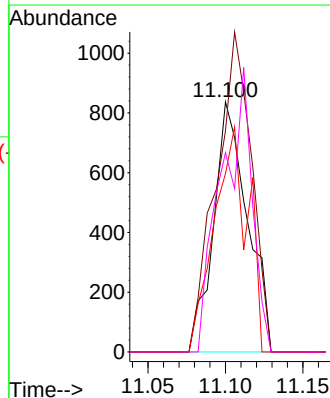
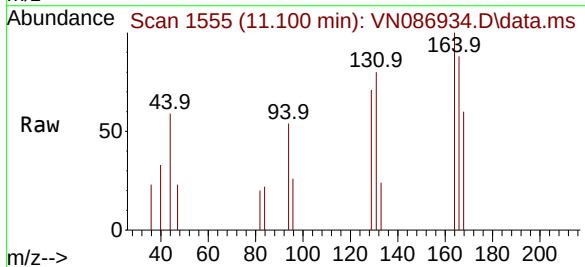
Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

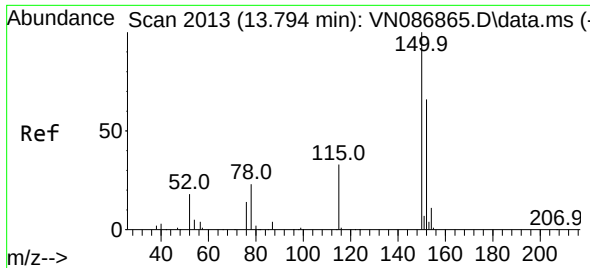
Tgt Ion:117 Resp: 514503
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 32.6 25.5 38.3



#64
Tetrachloroethene
Concen: 0.392 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.006 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion:164 Resp: 1275
Ion Ratio Lower Upper
164 100
166 88.4 101.8 152.8#
129 71.3 83.0 124.4#
131 79.7 78.2 117.2

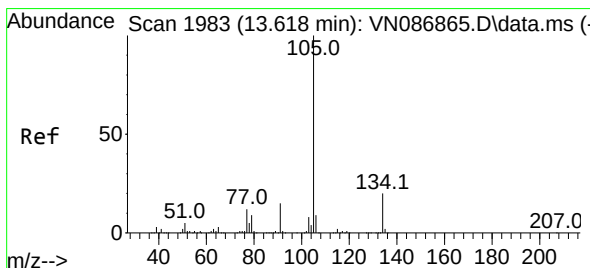
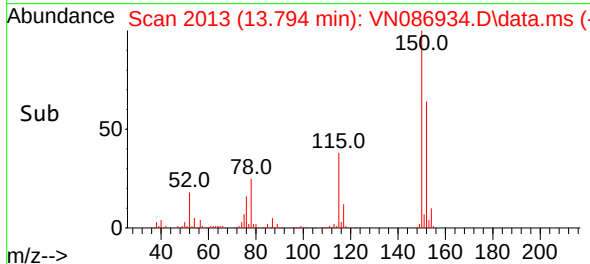
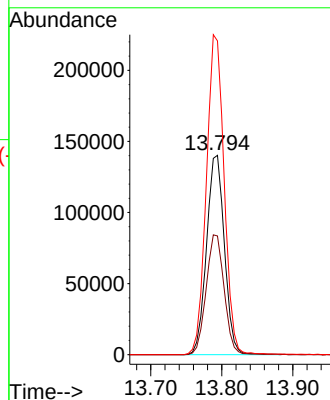
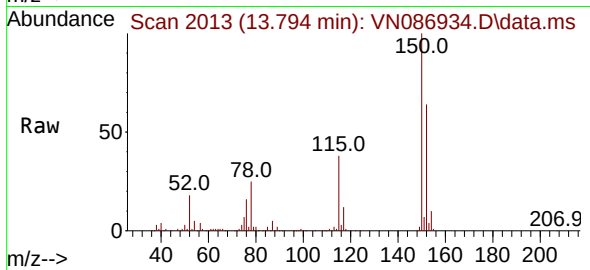




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

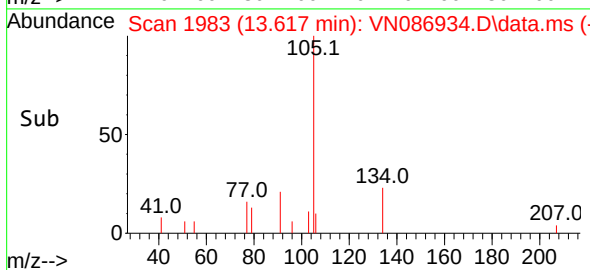
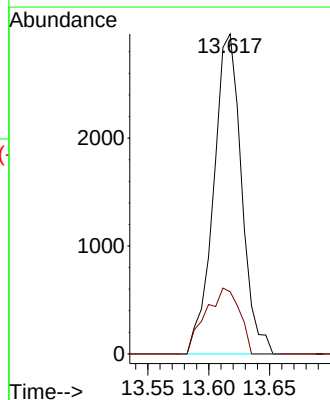
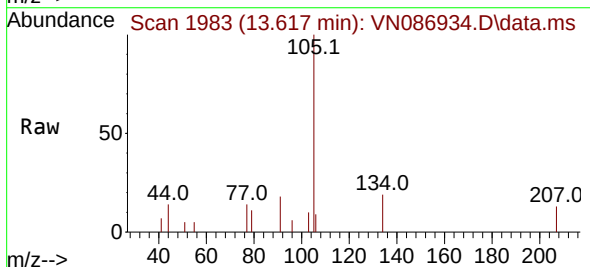
Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

Tgt Ion:152 Resp: 245448
Ion Ratio Lower Upper
152 100
115 60.6 30.1 90.5
150 159.8 0.0 345.0



#85
sec-Butylbenzene
Concen: 0.242 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN086934.D
Acq: 10 Jun 2025 17:09

Tgt Ion:105 Resp: 4740
Ion Ratio Lower Upper
105 100
134 25.0 10.0 30.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086934.D
Acq On : 10 Jun 2025 17:09
Operator : JC\MD
Sample : Q2202-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

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\82N060625W.M

Title : SW846 8260

Signal : TIC: VN086934.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.977	1014	1024	1034	rBV2	48873	124158	6.82%	1.334%
2	8.177	1047	1058	1062	rBV	223222	530166	29.14%	5.695%
3	8.235	1062	1068	1081	rVB	395107	914517	50.27%	9.823%
4	8.583	1118	1127	1138	rBV	244680	569813	31.32%	6.120%
5	9.106	1206	1216	1229	rVB	650546	1307724	71.88%	14.046%
6	10.571	1455	1465	1481	rBV	972157	1819218	100.00%	19.540%
7	11.865	1677	1685	1699	rBV	832120	1493901	82.12%	16.046%
8	12.847	1845	1852	1865	rBV	626546	1099372	60.43%	11.808%
9	13.788	2005	2012	2026	rBV	821866	1451266	79.77%	15.588%

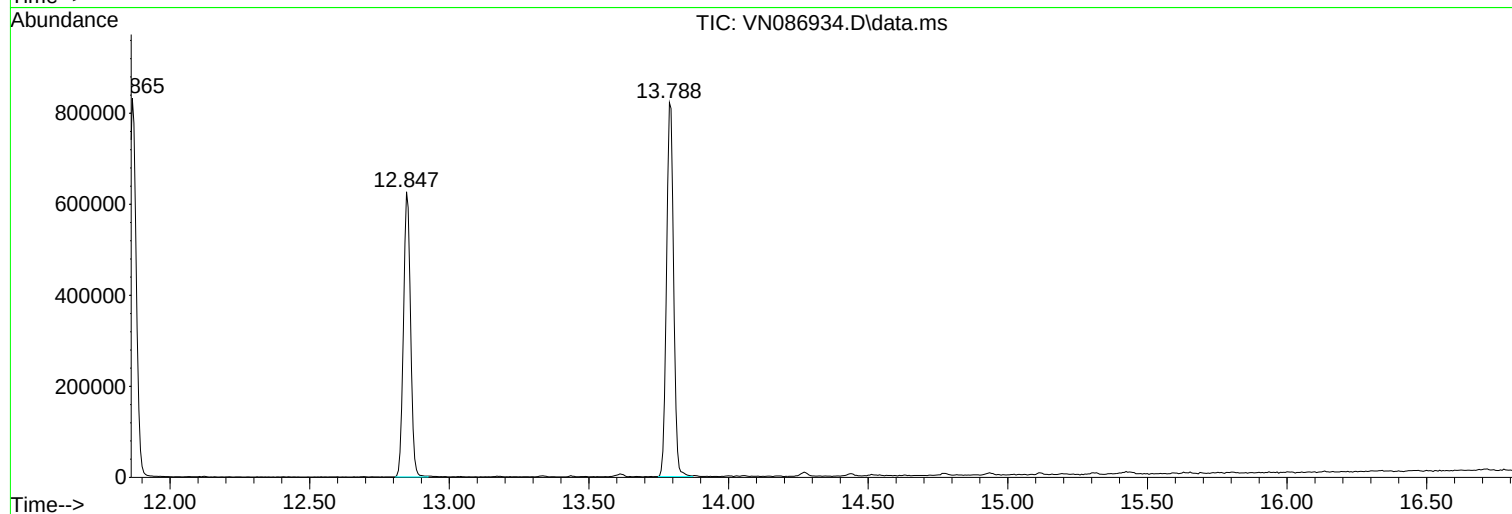
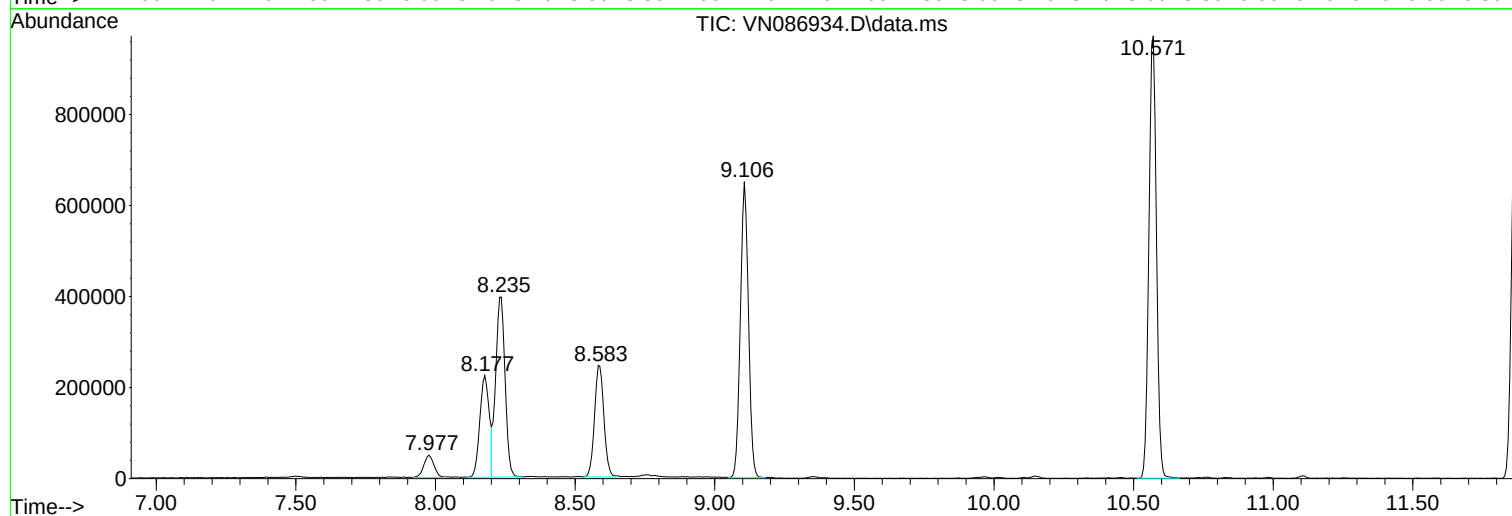
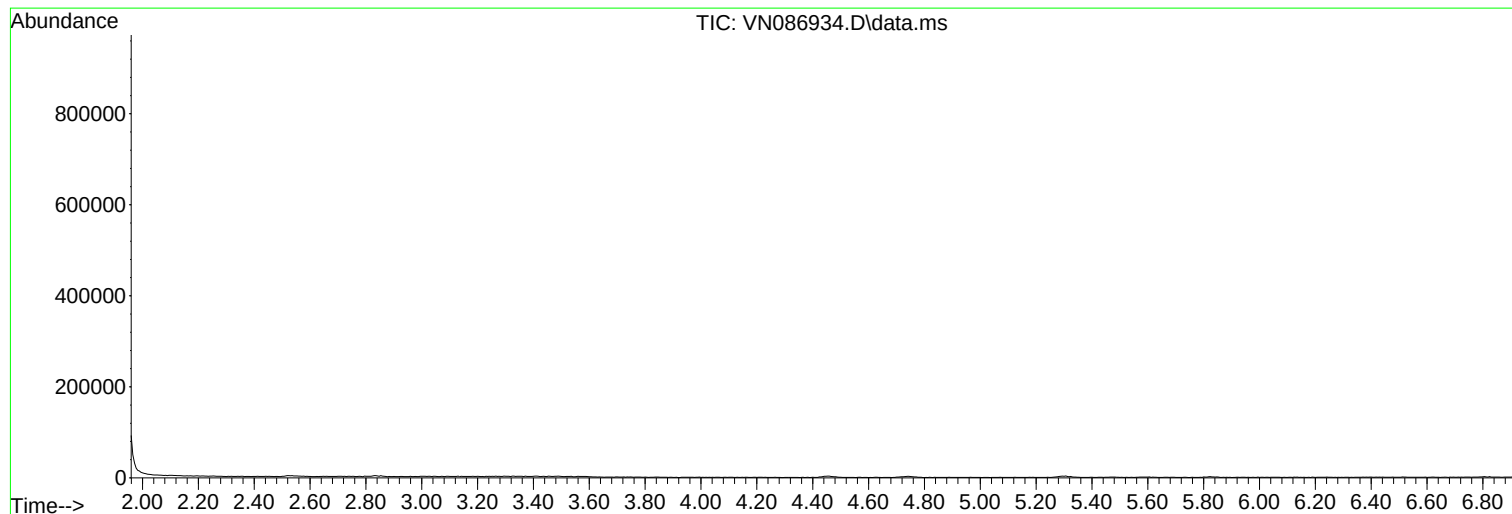
Sum of corrected areas: 9310135

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086934.D
Acq On : 10 Jun 2025 17:09
Operator : JC\MD
Sample : Q2202-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086934.D
Acq On : 10 Jun 2025 17:09
Operator : JC\MD
Sample : Q2202-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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\VN061025\
Data File : VN086934.D
Acq On : 10 Jun 2025 17:09
Operator : JC\MD
Sample : Q2202-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-9-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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 Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-11-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086935.D	1		06/10/25 17:31	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.90	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.64	J	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.51	J	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-11-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086935.D	1		06/10/25 17:31	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.90		0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	52.1		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	320000	8.235			
540-36-3	1,4-Difluorobenzene	603000	9.106			
3114-55-4	Chlorobenzene-d5	539000	11.864			
3855-82-1	1,4-Dichlorobenzene-d4	260000	13.794			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/03/25	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/03/25	
Client Sample ID:	MW-11-20250603		SDG No.:	Q2202	
Lab Sample ID:	Q2202-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086935.D	1		06/10/25 17:31	VN061025

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\VN061025\
 Data File : VN086935.D
 Acq On : 10 Jun 2025 17:31
 Operator : JC\MD
 Sample : Q2202-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11-20250603

Quant Time: Jun 11 01:58:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

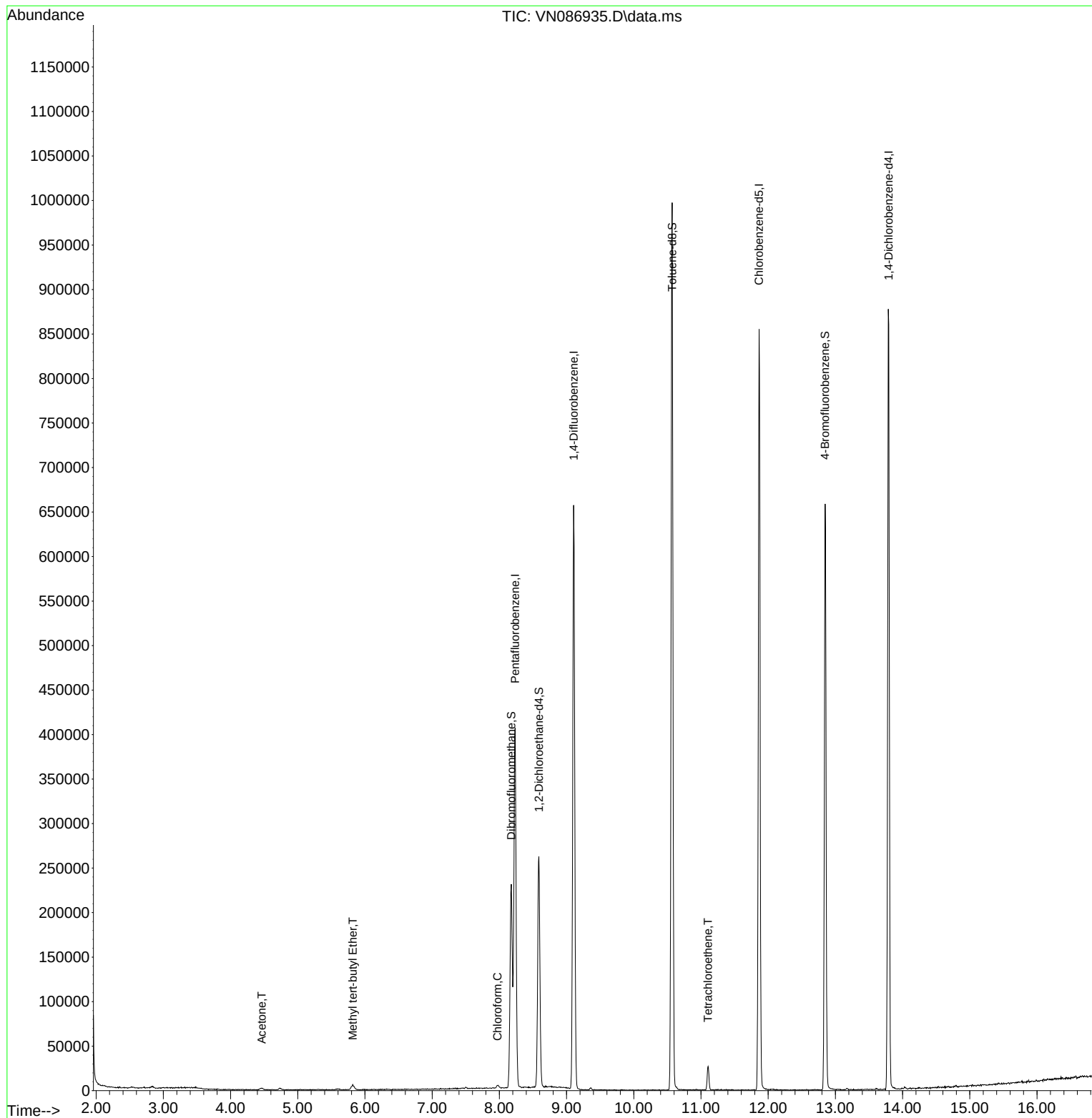
Internal Standards						
1) Pentafluorobenzene	8.235	168	320004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	603215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	538656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	259517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	212816	49.671	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.340%			
35) Dibromofluoromethane	8.176	113	179486	50.209	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.420%			
50) Toluene-d8	10.570	98	737282	52.099	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.200%			
62) 4-Bromofluorobenzene	12.847	95	262174	49.864	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.720%			
Target Compounds						
					Qvalue	
16) Acetone	4.465	43	4222	1.858	ug/l	92
19) Methyl tert-butyl Ether	5.818	73	8229	0.638	ug/l	94
30) Chloroform	7.971	83	3659	0.511	ug/l	97
64) Tetrachloroethene	11.106	164	6561	1.925	ug/l	98

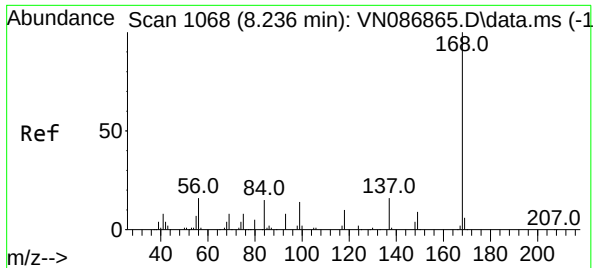
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086935.D
Acq On : 10 Jun 2025 17:31
Operator : JC\MD
Sample : Q2202-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

Quant Time: Jun 11 01:58:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

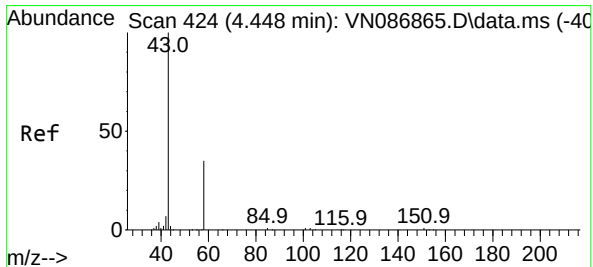
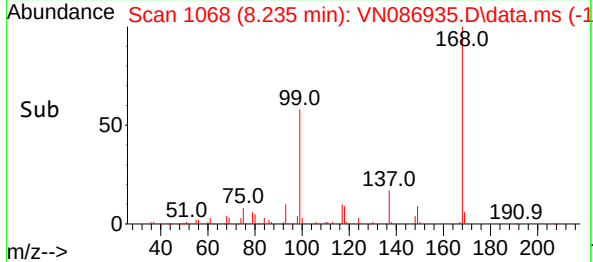
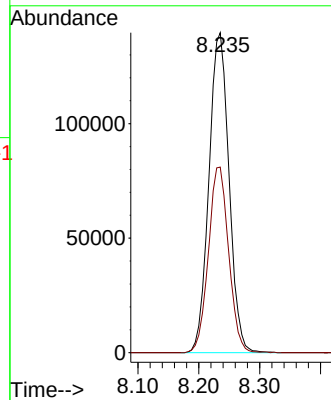
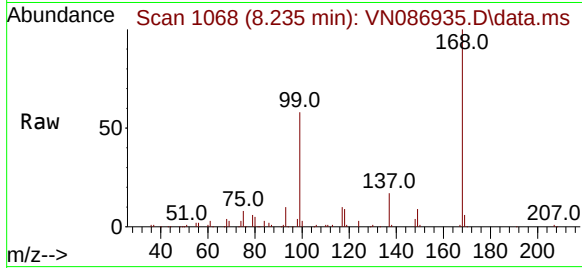




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

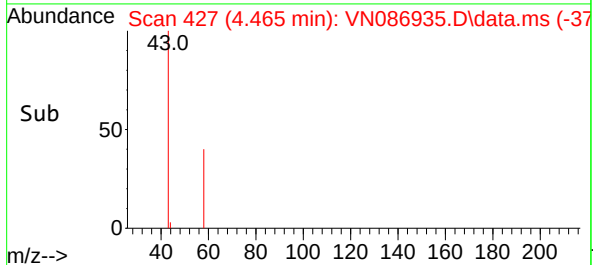
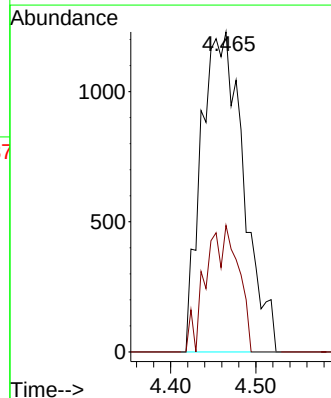
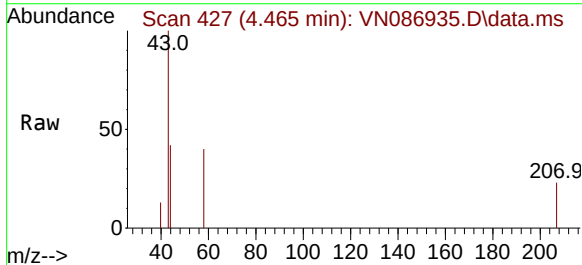
Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

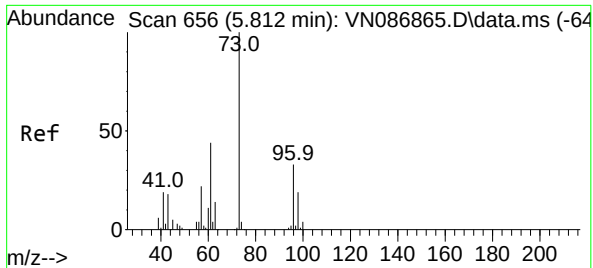
Tgt Ion:168 Resp: 320004
Ion Ratio Lower Upper
168 100
99 58.0 49.1 73.7



#16
Acetone
Concen: 1.858 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.017 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion: 43 Resp: 4222
Ion Ratio Lower Upper
43 100
58 39.5 28.0 42.0





#19

Methyl tert-butyl Ether

Concen: 0.638 ug/l

RT: 5.818 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN086935.D

Acq: 10 Jun 2025 17:31

Instrument :

MSVOA_N

ClientSampleId :

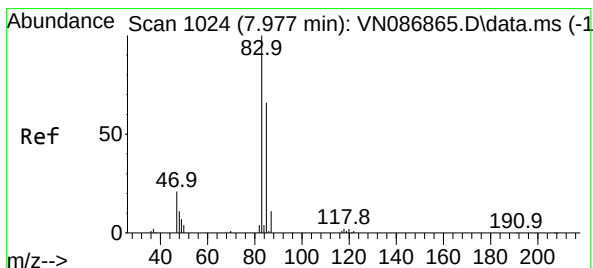
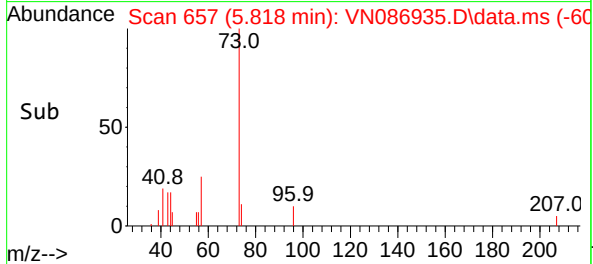
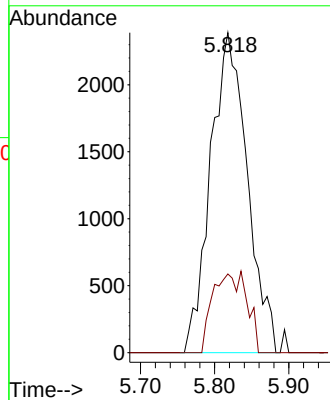
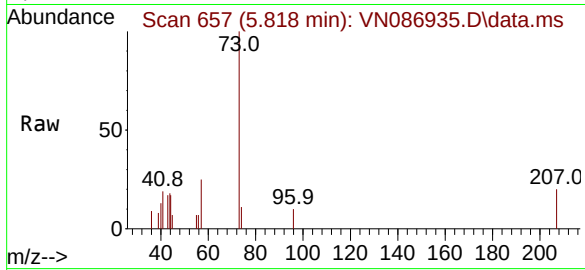
MW-11-20250603

Tgt Ion: 73 Resp: 8229

Ion Ratio Lower Upper

73 100

57 24.6 17.4 26.2



#30

Chloroform

Concen: 0.511 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.006 min

Lab File: VN086935.D

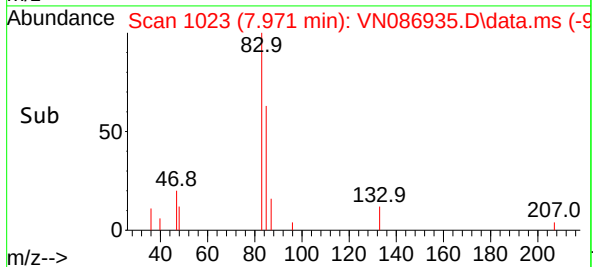
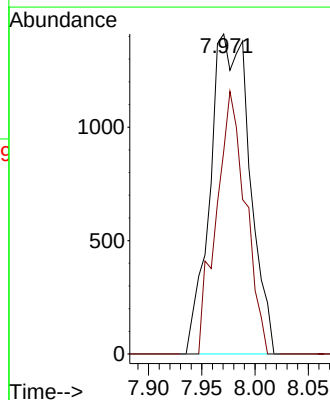
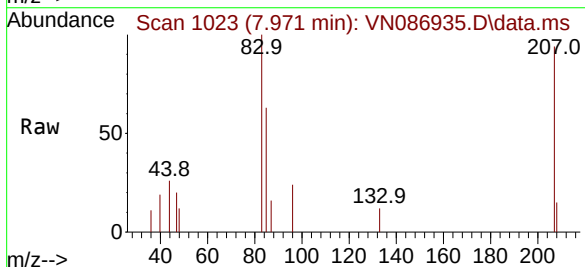
Acq: 10 Jun 2025 17:31

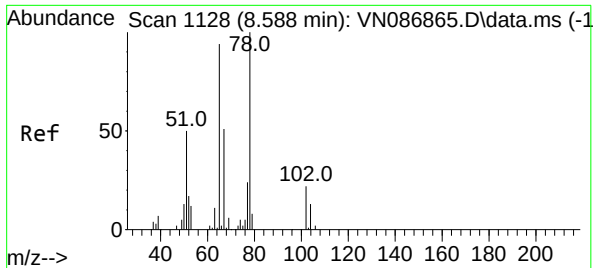
Tgt Ion: 83 Resp: 3659

Ion Ratio Lower Upper

83 100

85 63.4 52.9 79.3





#33

1,2-Dichloroethane-d4

Concen: 49.671 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086935.D

Acq: 10 Jun 2025 17:31

Instrument :

MSVOA_N

ClientSampleId :

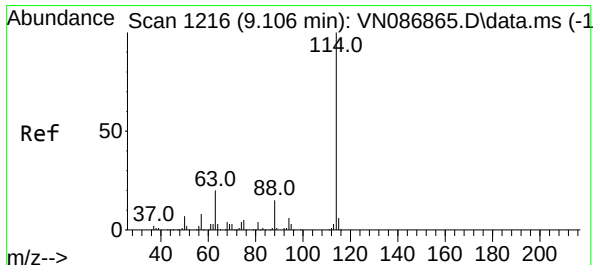
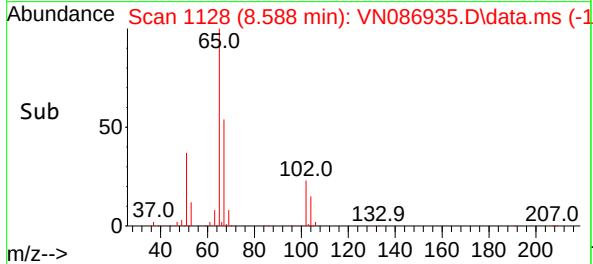
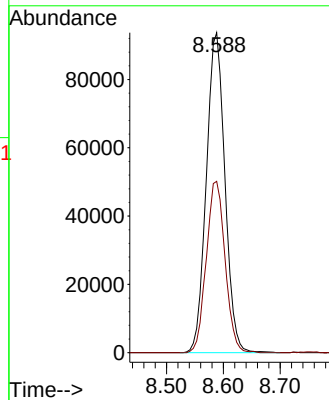
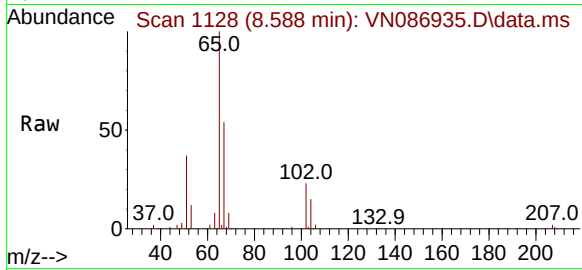
MW-11-20250603

Tgt Ion: 65 Resp: 212816

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086935.D

Acq: 10 Jun 2025 17:31

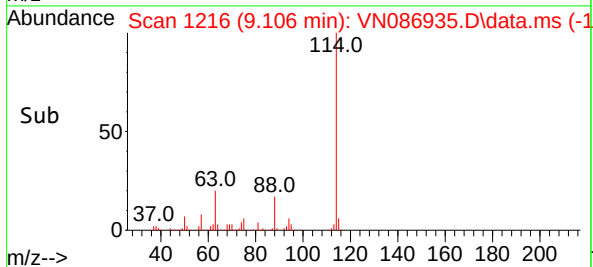
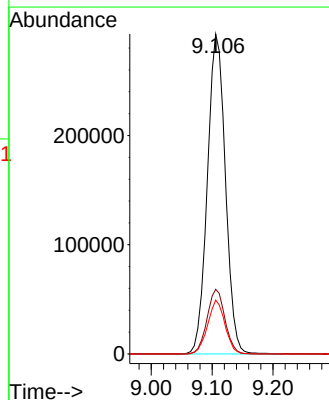
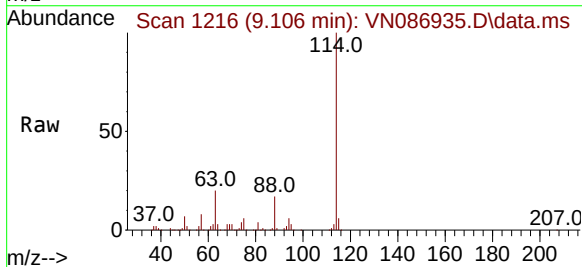
Tgt Ion: 114 Resp: 603215

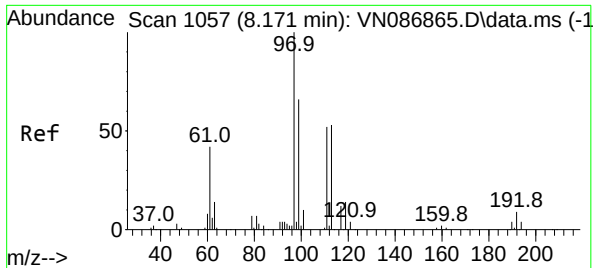
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 16.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.209 ug/l

RT: 8.176 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086935.D

Acq: 10 Jun 2025 17:31

Instrument :

MSVOA_N

ClientSampleId :

MW-11-20250603

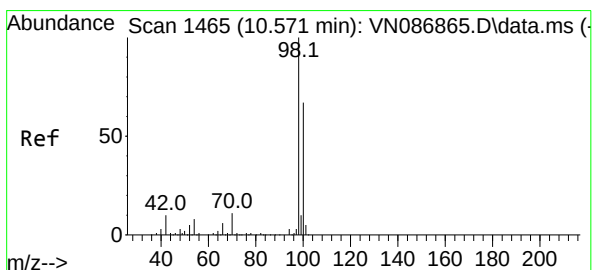
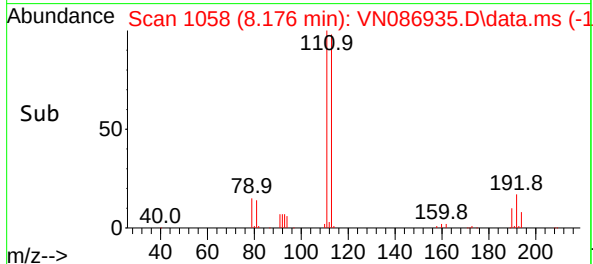
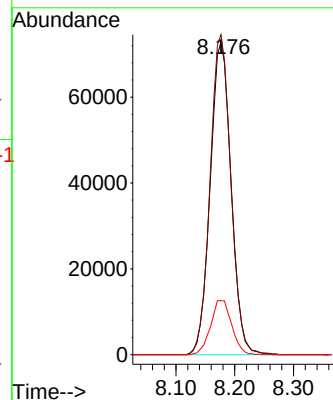
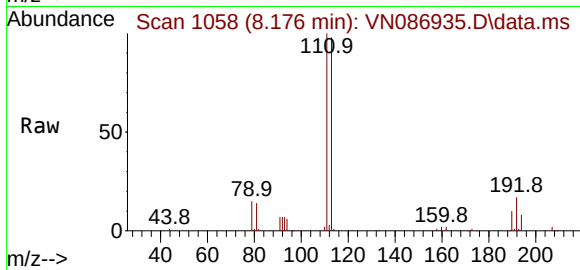
Tgt Ion:113 Resp: 179486

Ion Ratio Lower Upper

113 100

111 102.0 84.2 126.2

192 17.6 14.2 21.4



#50

Toluene-d8

Concen: 52.099 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN086935.D

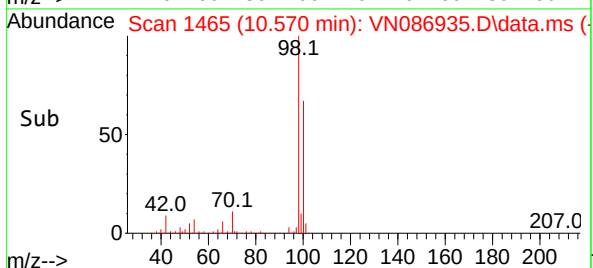
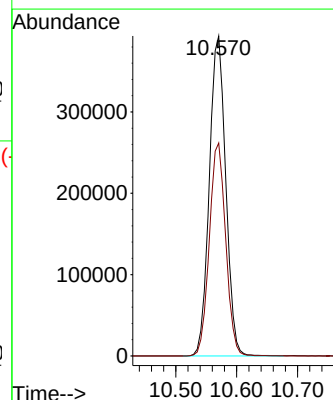
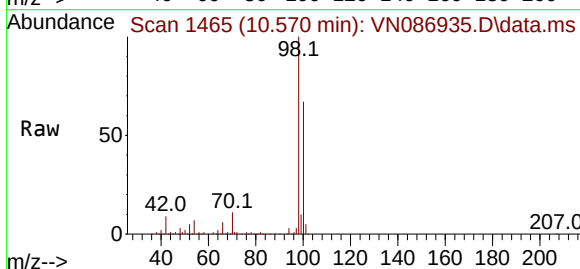
Acq: 10 Jun 2025 17:31

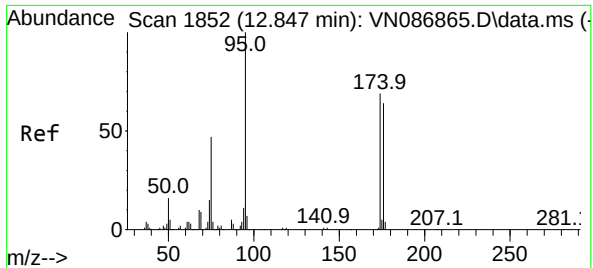
Tgt Ion: 98 Resp: 737282

Ion Ratio Lower Upper

98 100

100 66.2 53.4 80.0

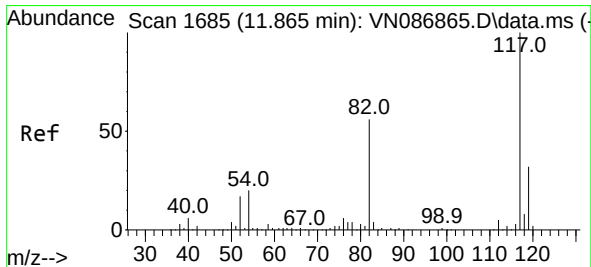
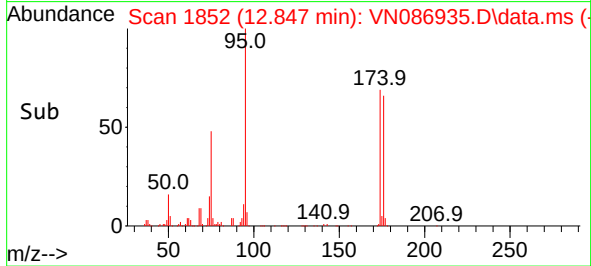
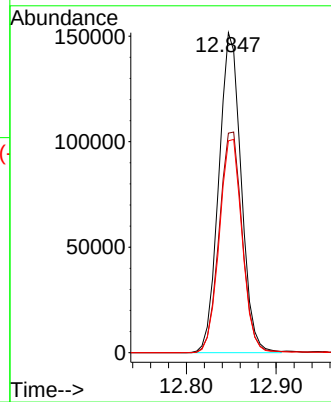
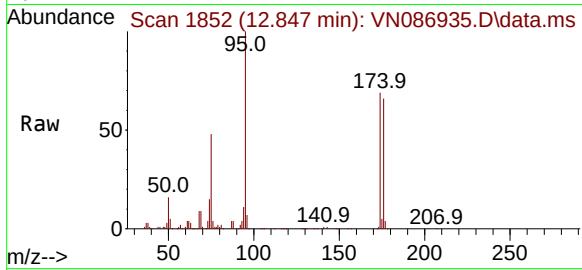




#62
4-Bromofluorobenzene
Concen: 49.864 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

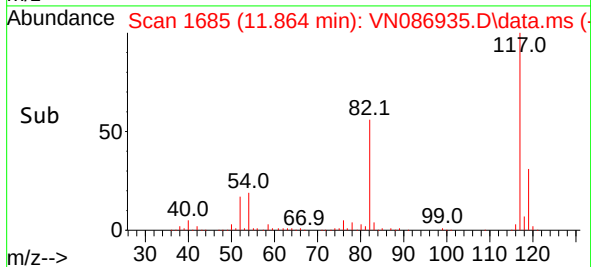
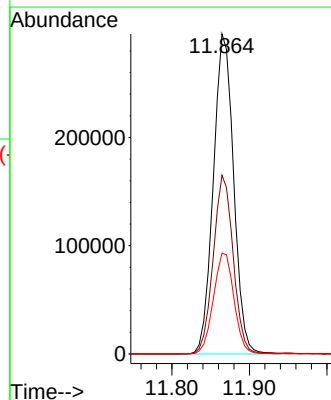
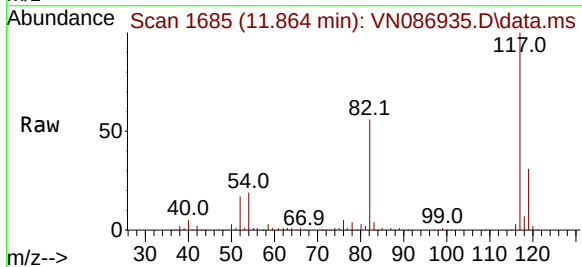
Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

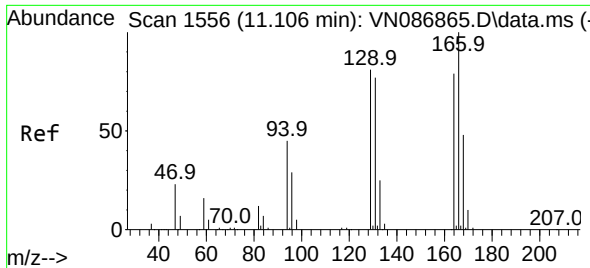
Tgt Ion: 95 Resp: 262174
Ion Ratio Lower Upper
95 100
174 71.5 0.0 141.8
176 68.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion: 117 Resp: 538656
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.5 25.5 38.3

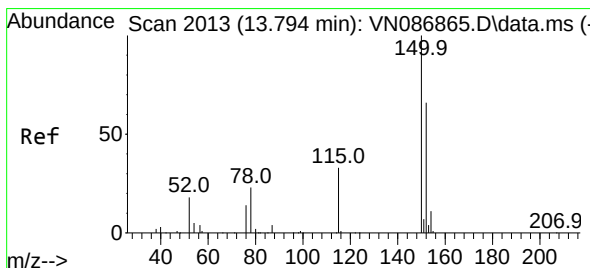
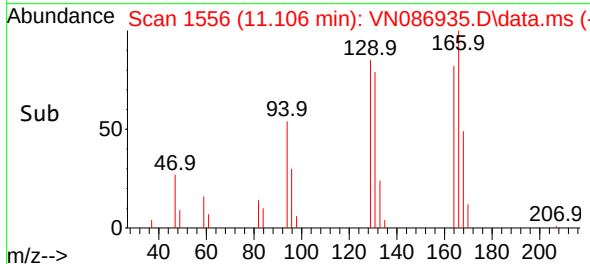
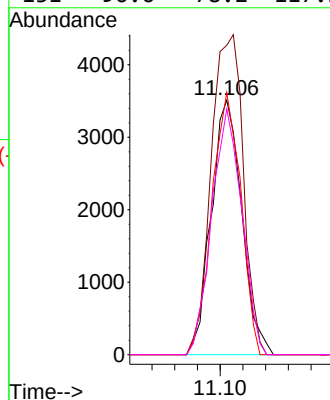
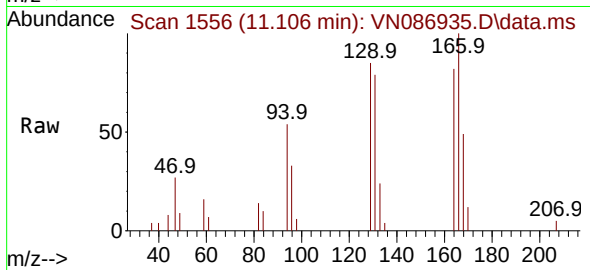




#64
Tetrachloroethene
Concen: 1.925 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

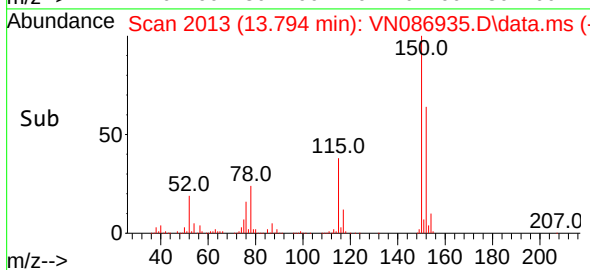
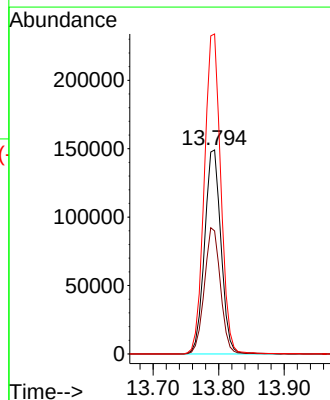
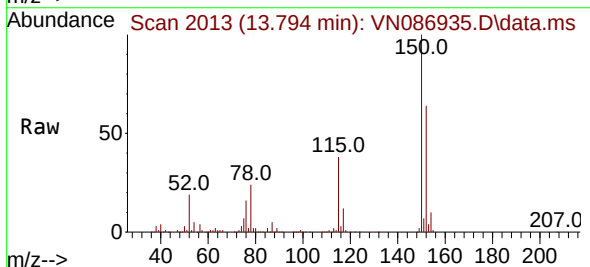
Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

Tgt Ion:164	Resp:	6561
Ion Ratio	Lower	Upper
164	100	
166	121.7	101.8 152.8
129	103.0	83.0 124.4
131	96.6	78.2 117.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1313
Delta R.T. -0.000 min
Lab File: VN086935.D
Acq: 10 Jun 2025 17:31

Tgt Ion:152	Resp:	259517
Ion Ratio	Lower	Upper
152	100	
115	60.7	30.1 90.5
150	157.6	0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086935.D
Acq On : 10 Jun 2025 17:31
Operator : JC\MD
Sample : Q2202-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

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\82N060625W.M

Title : SW846 8260

Signal : TIC: VN086935.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.176	1048	1058	1062	rBV	228724	546313	29.28%	5.714%
2	8.235	1062	1068	1080	rVB	403477	937170	50.22%	9.802%
3	8.588	1118	1128	1139	rBV	259159	591212	31.68%	6.184%
4	9.106	1207	1216	1232	rVB	656655	1344248	72.04%	14.060%
5	10.570	1456	1465	1475	rBV	996721	1866093	100.00%	19.518%
6	11.106	1550	1556	1563	rBV2	26484	49889	2.67%	0.522%
7	11.864	1676	1685	1699	rBV	854606	1557490	83.46%	16.290%
8	12.847	1844	1852	1868	rBV	658495	1147900	61.51%	12.006%
9	13.788	2005	2012	2024	rBV	876880	1520784	81.50%	15.906%

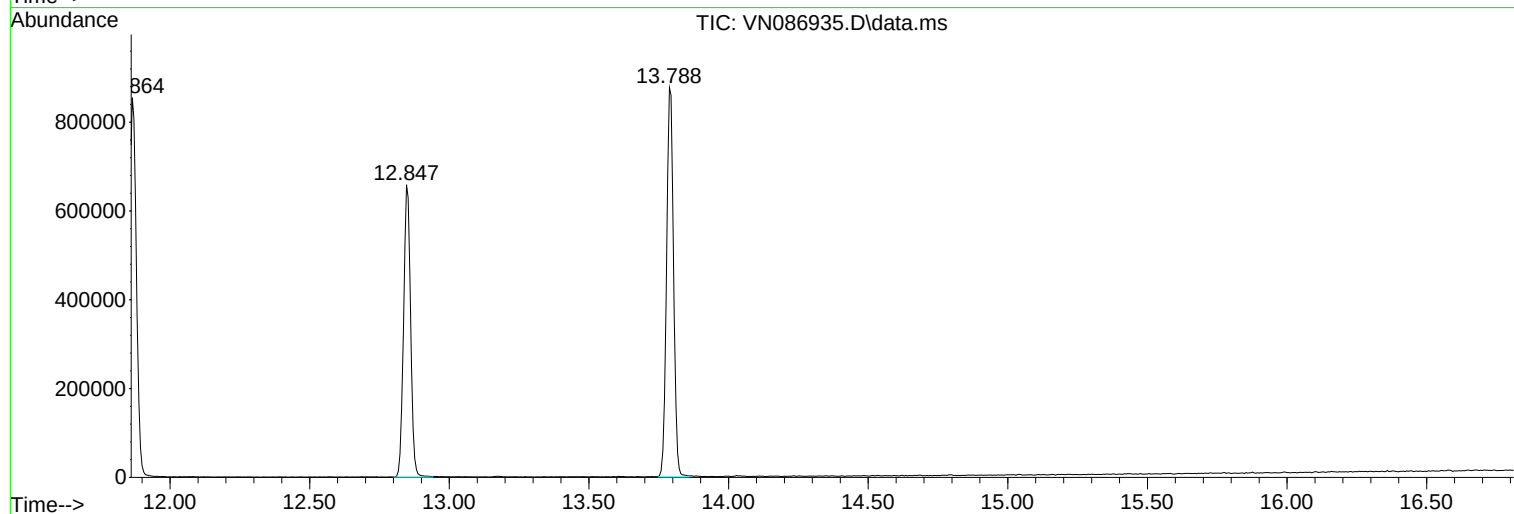
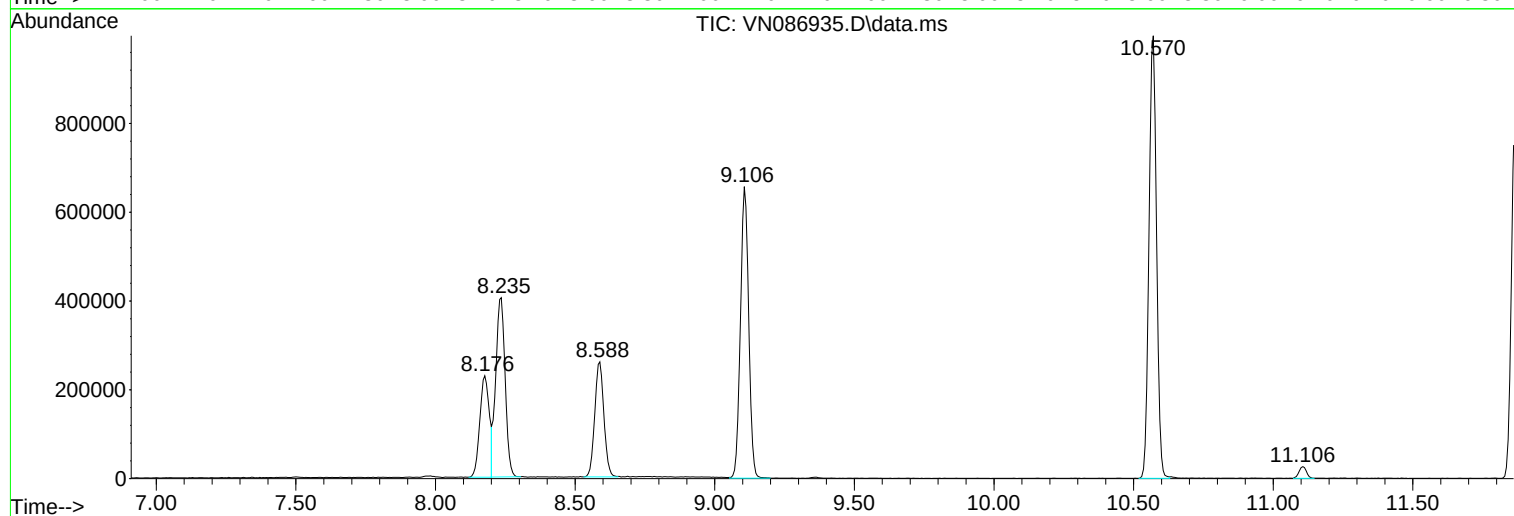
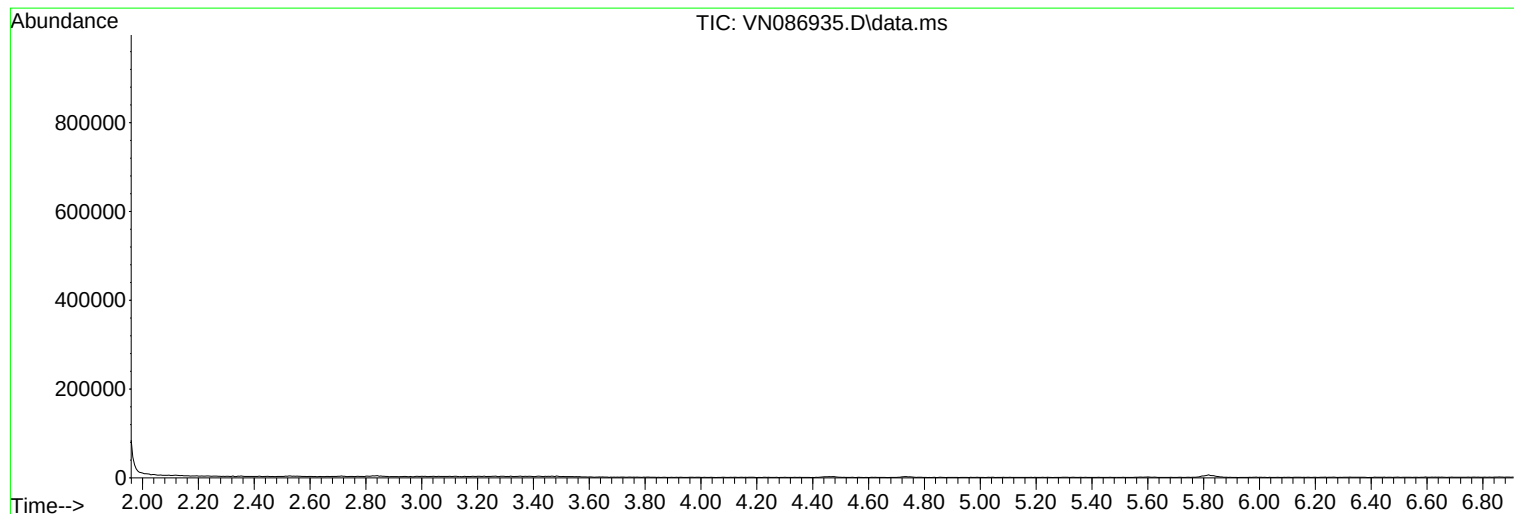
Sum of corrected areas: 9561099

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086935.D
Acq On : 10 Jun 2025 17:31
Operator : JC\MD
Sample : Q2202-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086935.D
Acq On : 10 Jun 2025 17:31
Operator : JC\MD
Sample : Q2202-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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\VN061025\
Data File : VN086935.D
Acq On : 10 Jun 2025 17:31
Operator : JC\MD
Sample : Q2202-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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
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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/03/25	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/03/25	
Client Sample ID:	MW-12-20250603		SDG No.:	Q2202	
Lab Sample ID:	Q2202-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086936.D	1		06/10/25 17:52	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	3.30	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.5		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.20		0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.16	1.00	ug/L
71-43-2	Benzene	4.10		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.56	J	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	1.90		0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05			Date Received:	06/03/25
Client Sample ID:	MW-12-20250603			SDG No.:	Q2202
Lab Sample ID:	Q2202-03			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086936.D	1		06/10/25 17:52	VN061025

[illegible]

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05			Date Received:	06/03/25
Client Sample ID:	MW-12-20250603			SDG No.:	Q2202
Lab Sample ID:	Q2202-03			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086936.D	1		06/10/25 17:52	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	39.3	J		2.33	ug/L
103-65-1	n-propylbenzene	73.5	J		13.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	26.1	J		13.2	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	35.4	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	240	J		13.5	ug/L
135-98-8	sec-Butylbenzene	3.20	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	6.20	J		13.7	ug/L
000496-11-7	Indane	130	J		14.0	ug/L
104-51-8	n-Butylbenzene	4.40	J		14.1	ug/L
000767-58-8	Indan, 1-methyl-	54.8	J		14.4	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	15.1	J		14.7	ug/L
000824-22-6	1H-Indene, 2,3-dihydro-4-methyl-	35.4	J		14.9	ug/L
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	45.1	J		15.0	ug/L
002177-47-1	2-Methylindene	29.2	J		15.2	ug/L
000275-51-4	Azulene	250	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\VN061025\
 Data File : VN086936.D
 Acq On : 10 Jun 2025 17:52
 Operator : JC\MD
 Sample : Q2202-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-20250603

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:59:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	311388	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	590517	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	527900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	243200	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.582	65	205090	49.192	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.380%
35) Dibromofluoromethane	8.177	113	173546	49.591	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.180%
50) Toluene-d8	10.570	98	728513	52.586	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.180%
62) 4-Bromofluorobenzene	12.847	95	258496	50.222	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.440%

Target Compounds

						Qvalue
16) Acetone	4.459	43	7399	3.347	ug/l	97
17) Carbon Disulfide	4.912	76	187329m	19.540	ug/l	
19) Methyl tert-butyl Ether	5.818	73	14936	1.190	ug/l	100
39) Methylcyclohexane	9.606	83	132500	18.546	ug/l	97
40) Benzene	8.612	78	69965	4.103	ug/l	98
44) Trichloroethene	9.353	130	2285	0.565	ug/l	82
52) Toluene	10.629	92	19587	1.880	ug/l	98
67) Ethyl Benzene	11.965	91	4773607	238.027	ug/l	99
68) m/p-Xylenes	12.076	106	100615	13.106	ug/l	98
69) o-Xylene	12.394	106	99311	13.507	ug/l	99
73) Isopropylbenzene	12.694	105	1163525	65.671	ug/l	100
78) n-propylbenzene	13.035	91	1581524	73.453	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	382032	26.117	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	3488227	237.809	ug/l	99
85) sec-Butylbenzene	13.617	105	61249m	3.150	ug/l	
86) p-Isopropyltoluene	13.729	119	99906m	6.215	ug/l	
89) n-Butylbenzene	14.053	91	68270m	4.385	ug/l	

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

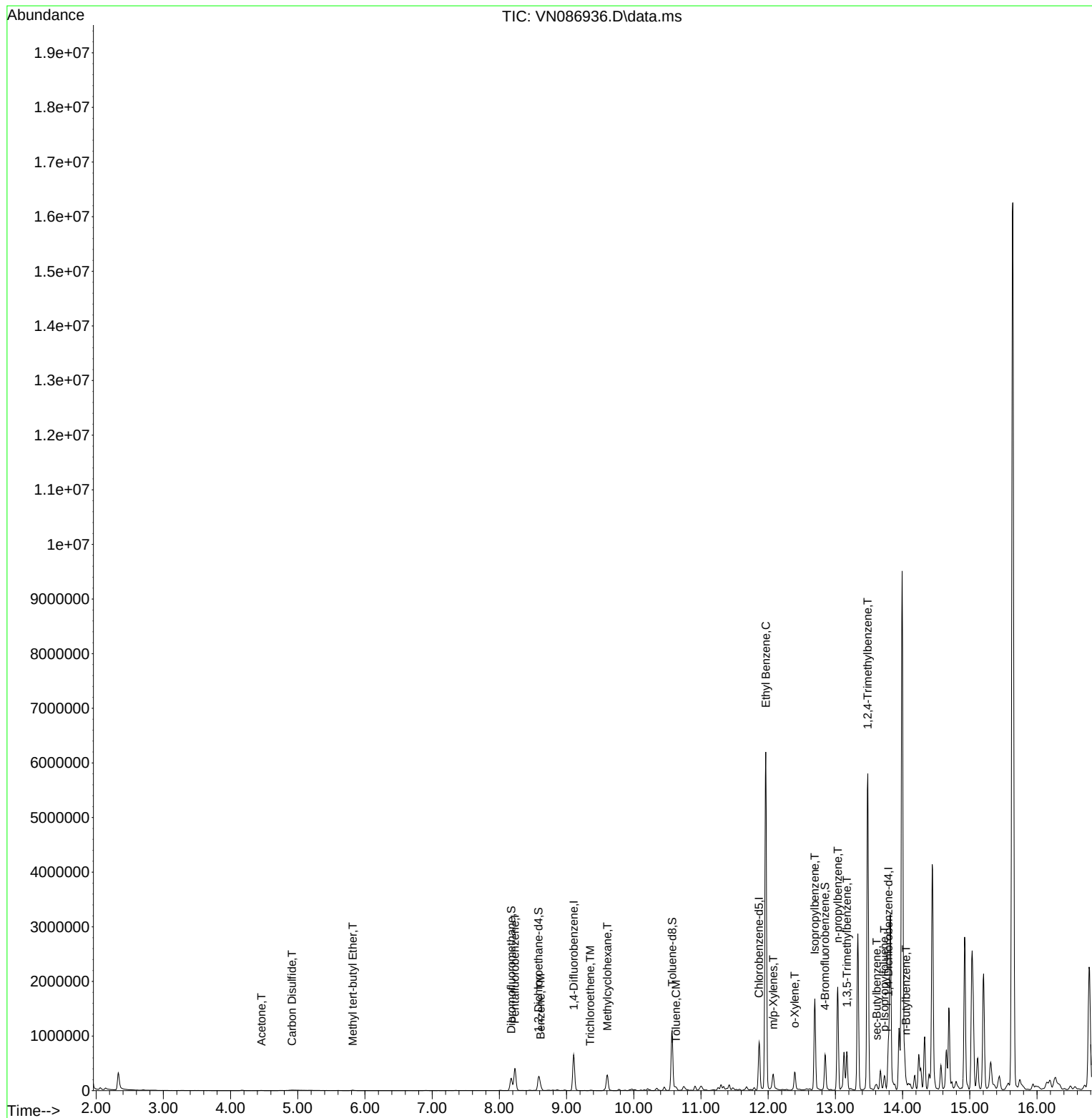
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

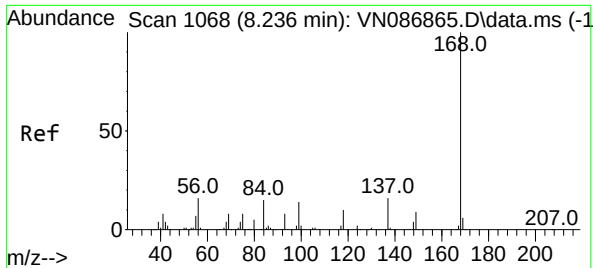
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:59:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration





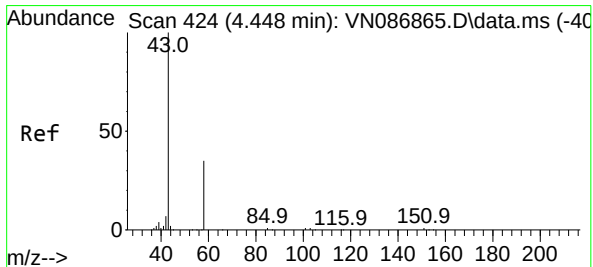
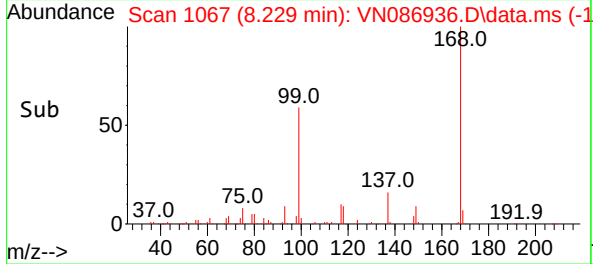
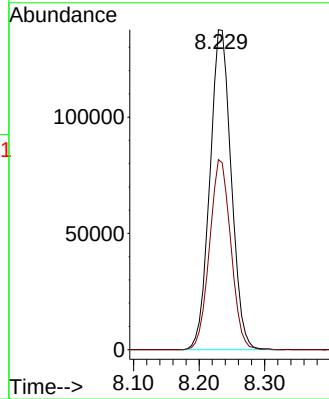
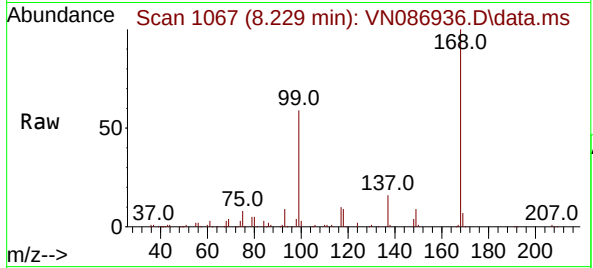
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Tgt Ion:168 Resp: 31138
Ion Ratio Lower Upper
168 100
99 59.4 49.1 73.7

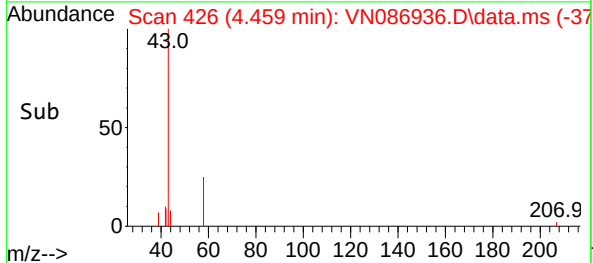
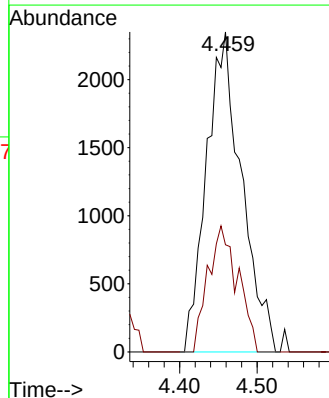
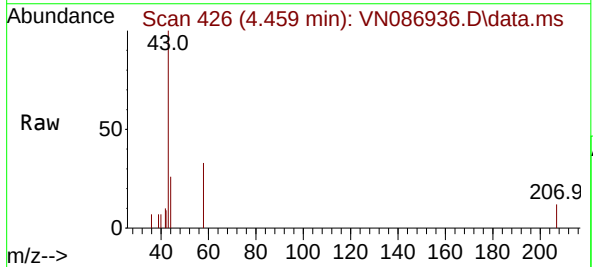
Manual Integrations
APPROVED

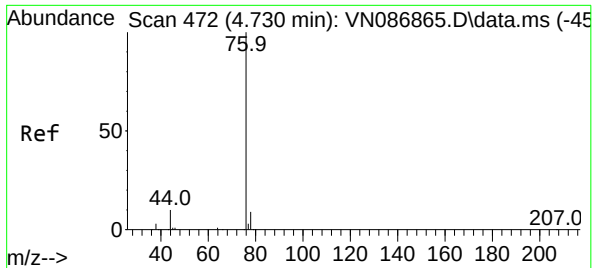
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#16
Acetone
Concen: 3.347 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

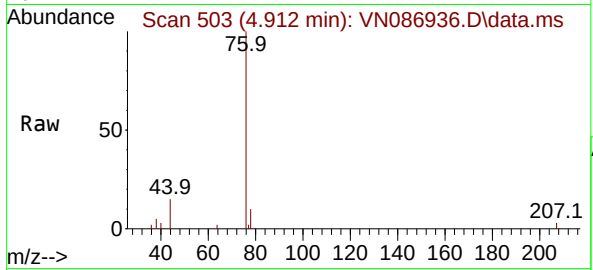
Tgt Ion: 43 Resp: 7399
Ion Ratio Lower Upper
43 100
58 33.5 28.0 42.0





#17
Carbon Disulfide
Concen: 19.540 ug/l m
RT: 4.912 min Scan# 503
Delta R.T. 0.182 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

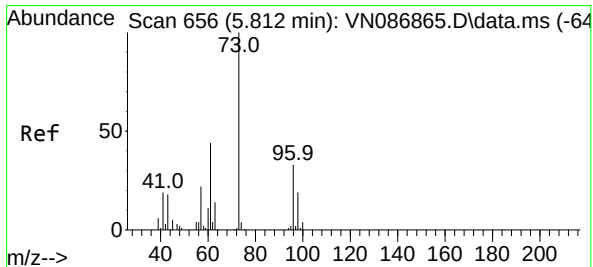
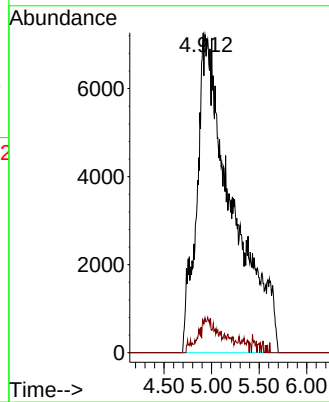
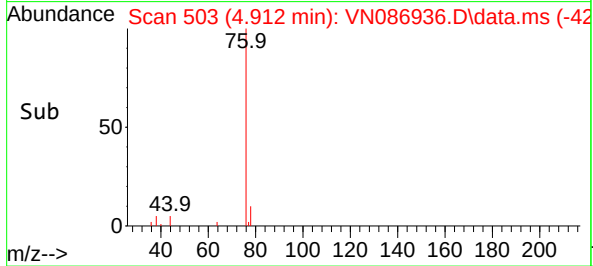
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



Tgt Ion: 76 Resp: 187329
Ion Ratio Lower Upper
76 100
78 9.9 7.3 10.9

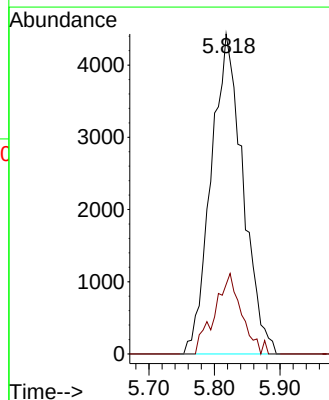
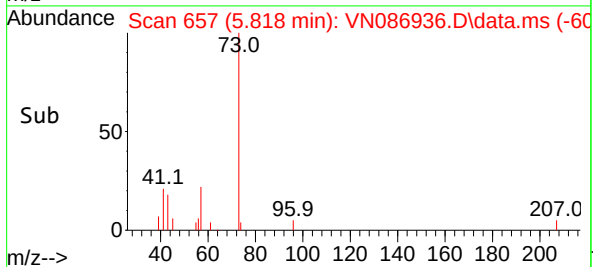
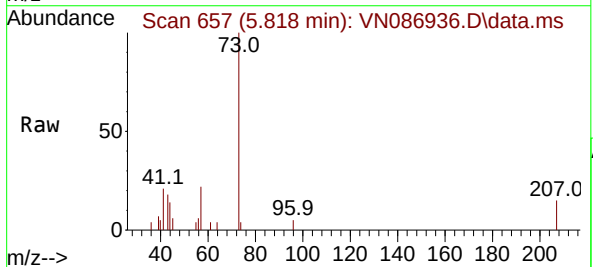
Manual Integrations
APPROVED

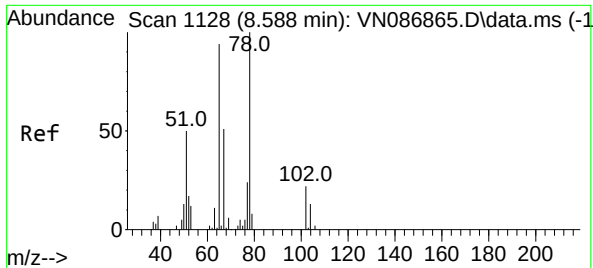
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#19
Methyl tert-butyl Ether
Concen: 1.190 ug/l
RT: 5.818 min Scan# 657
Delta R.T. 0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

Tgt Ion: 73 Resp: 14936
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.2





#33

1,2-Dichloroethane-d4

Concen: 49.192 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN086936.D

Acq: 10 Jun 2025 17:52

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603

Tgt Ion: 65 Resp: 205090

Ion Ratio Lower Upper

65 100

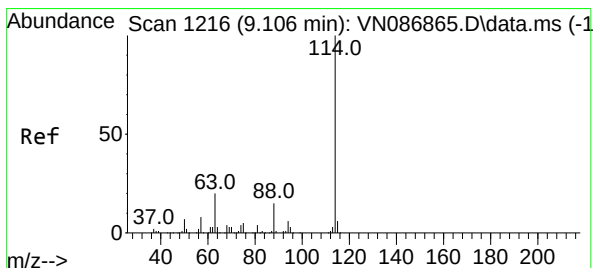
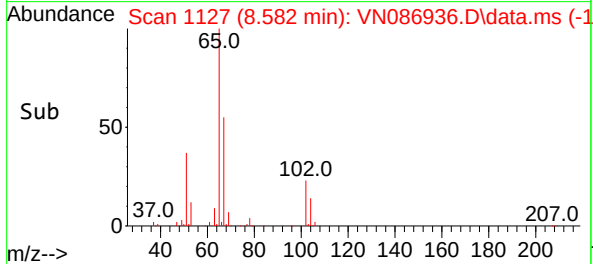
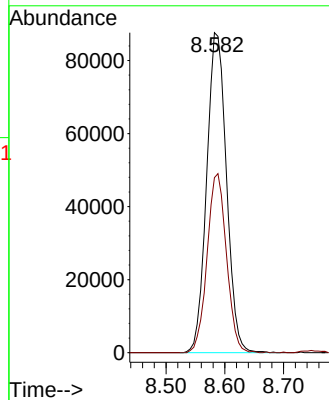
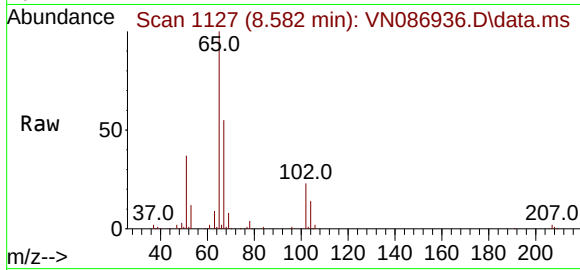
67 54.7 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086936.D

Acq: 10 Jun 2025 17:52

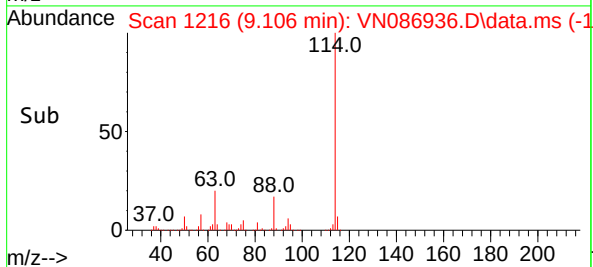
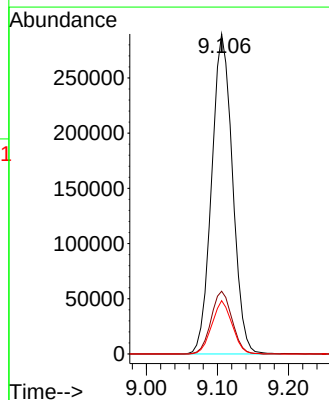
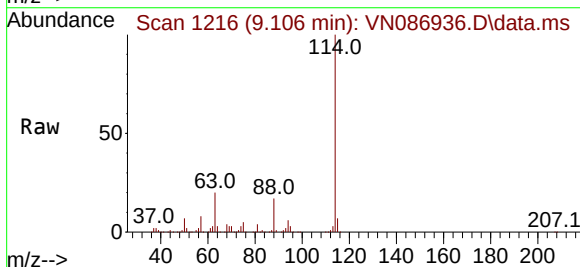
Tgt Ion:114 Resp: 590517

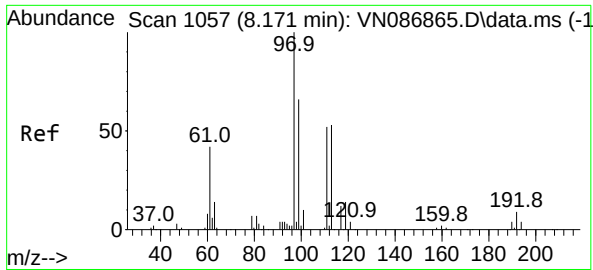
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.591 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086936.D

Acq: 10 Jun 2025 17:52

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603

Tgt Ion:113 Resp: 173540

Ion Ratio Lower Upper

113 100

111 102.3 84.2 126.2

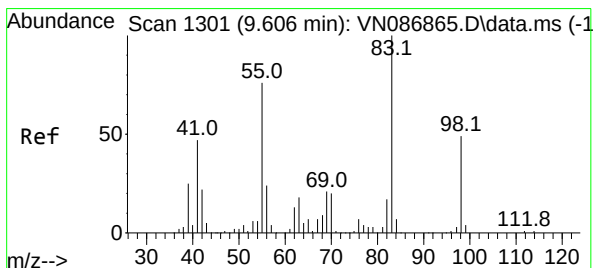
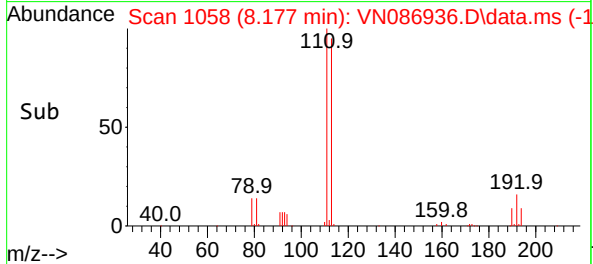
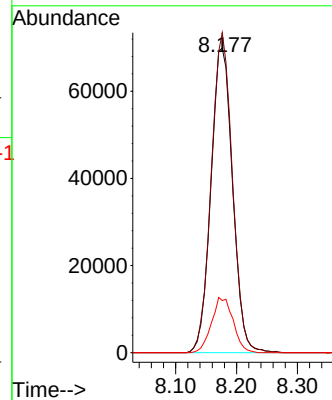
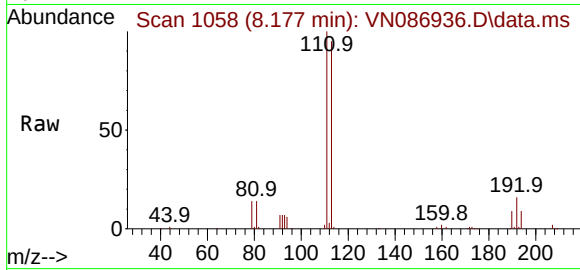
192 18.0 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



#39

Methylcyclohexane

Concen: 18.546 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN086936.D

Acq: 10 Jun 2025 17:52

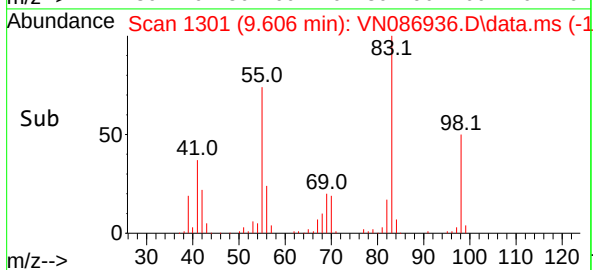
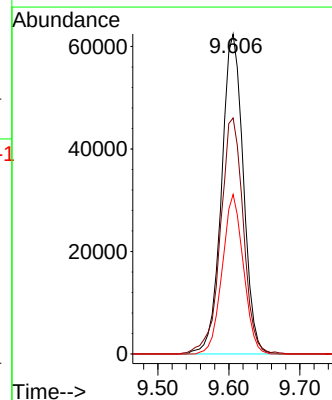
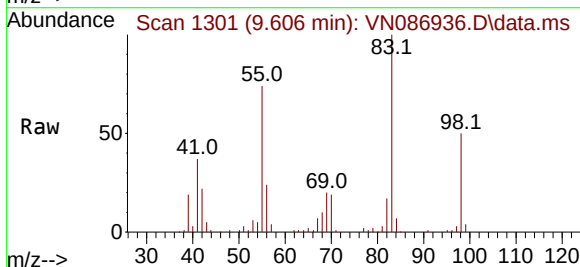
Tgt Ion: 83 Resp: 132500

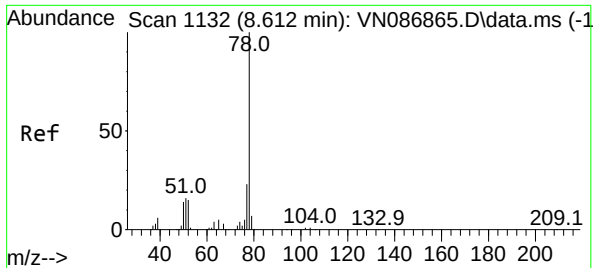
Ion Ratio Lower Upper

83 100

55 73.5 61.0 91.6

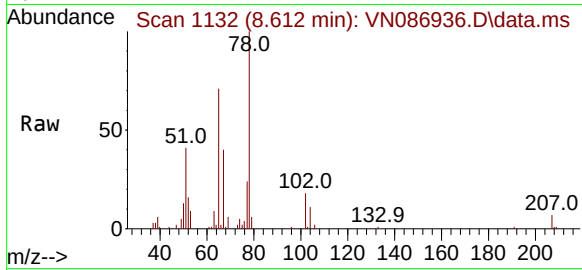
98 49.9 38.9 58.3





#40
Benzene
Concen: 4.103 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

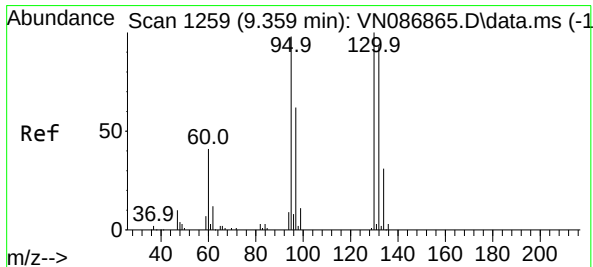
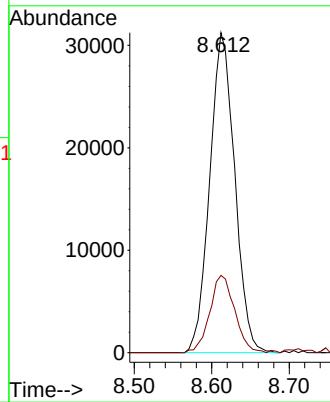
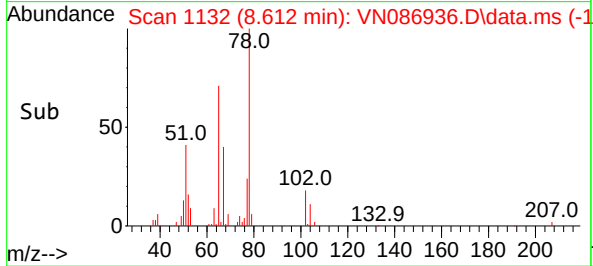
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



Tgt Ion: 78 Resp: 6996
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1

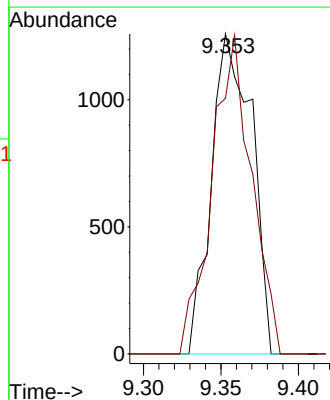
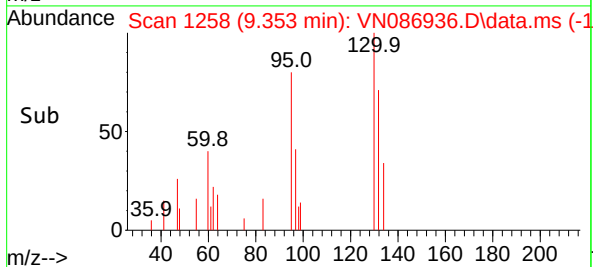
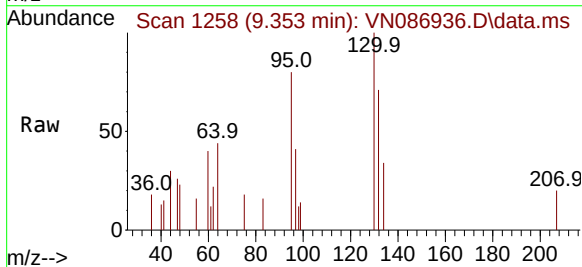
Manual Integrations
APPROVED

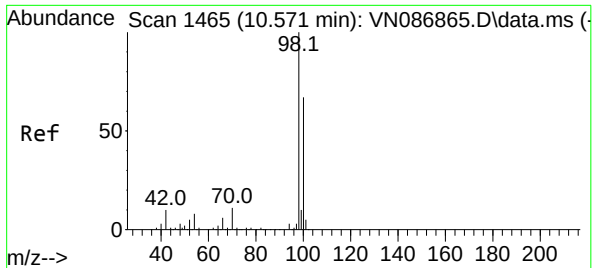
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#44
Trichloroethene
Concen: 0.565 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

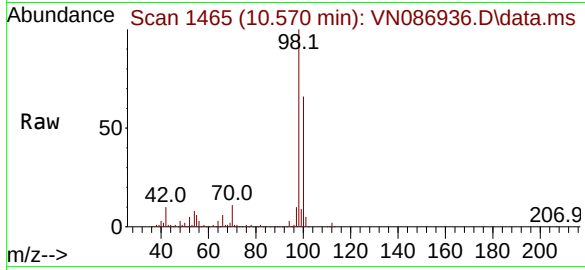
Tgt Ion:130 Resp: 2285
Ion Ratio Lower Upper
130 100
95 79.9 0.0 196.2





#50
Toluene-d8
Concen: 52.586 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

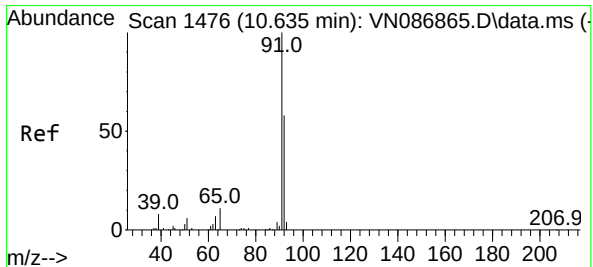
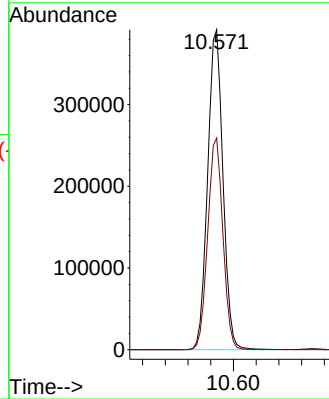
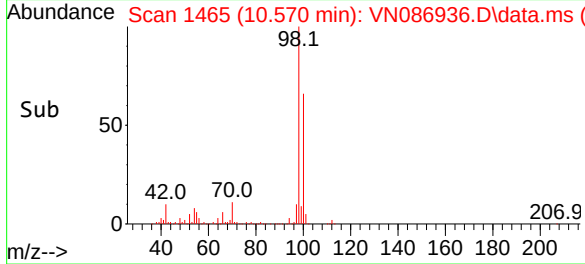
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



Tgt Ion: 98 Resp: 72851
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0

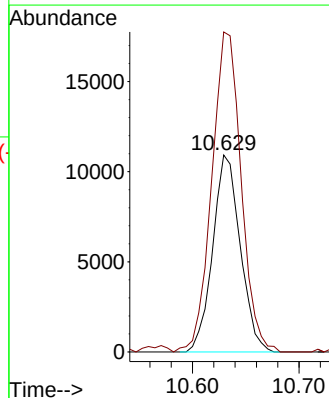
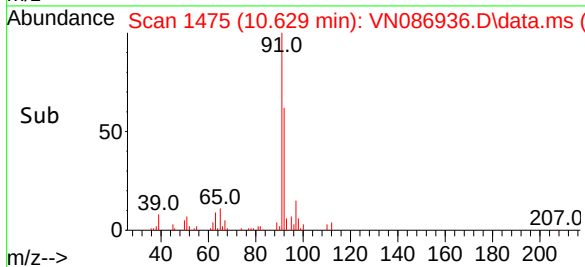
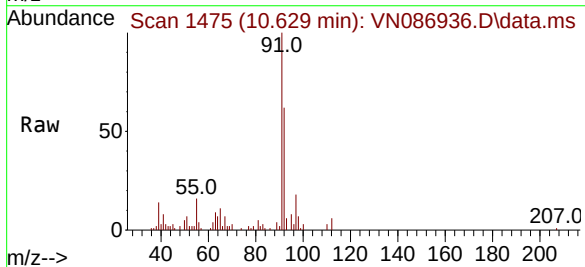
Manual Integrations
APPROVED

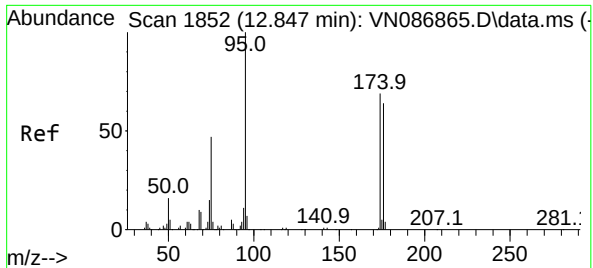
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#52
Toluene
Concen: 1.880 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

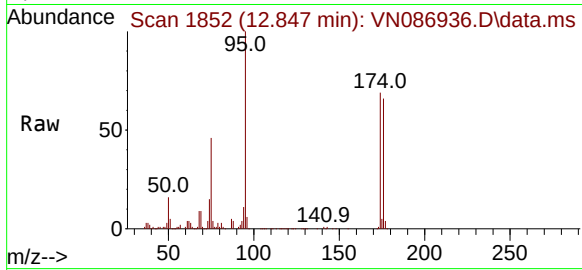
Tgt Ion: 92 Resp: 19587
Ion Ratio Lower Upper
92 100
91 173.2 136.5 204.7





#62
4-Bromofluorobenzene
Concen: 50.222 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

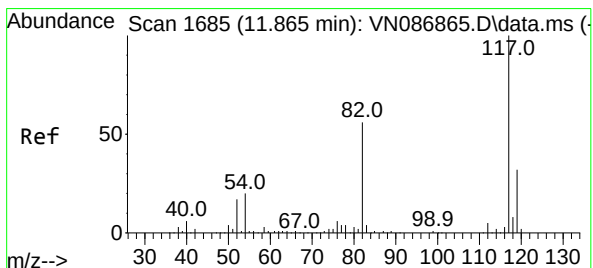
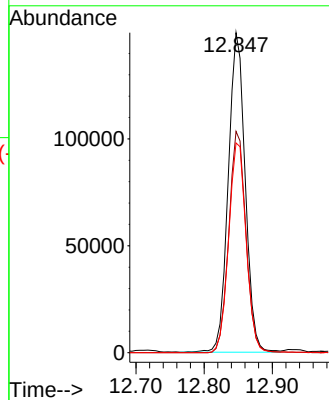
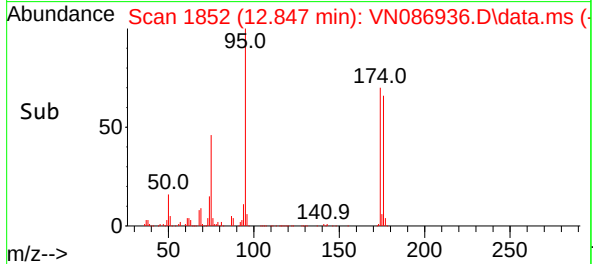
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



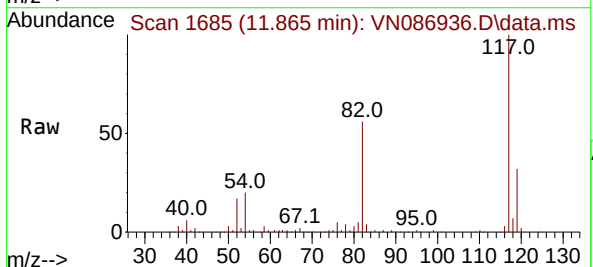
Tgt Ion: 95 Resp: 258490
Ion Ratio Lower Upper
95 100
174 70.2 0.0 141.8
176 67.5 0.0 132.6

Manual Integrations
APPROVED

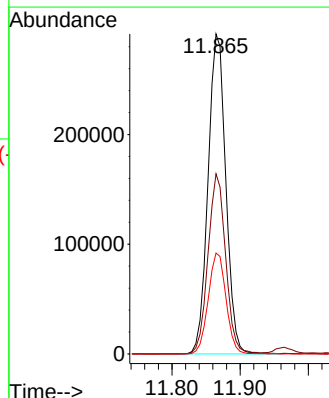
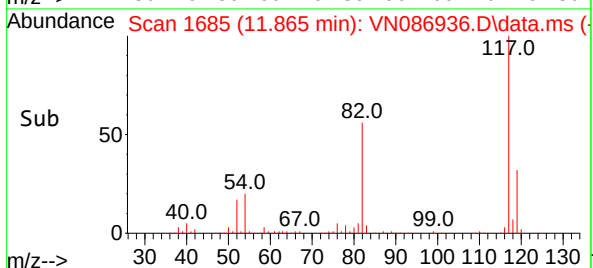
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

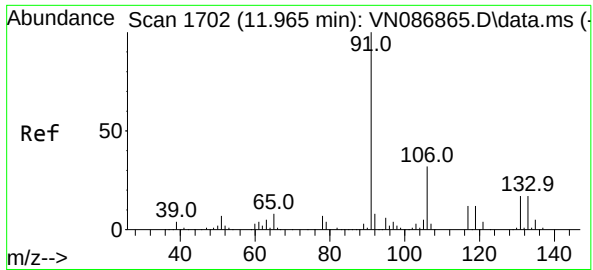


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52



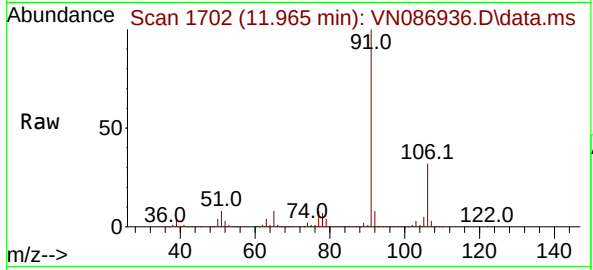
Tgt Ion:117 Resp: 527900
Ion Ratio Lower Upper
117 100
82 56.2 44.6 67.0
119 31.6 25.5 38.3





#67
Ethyl Benzene
Concen: 238.027 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

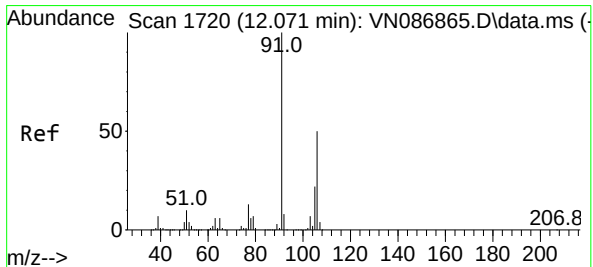
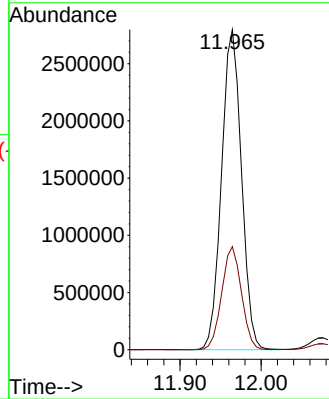
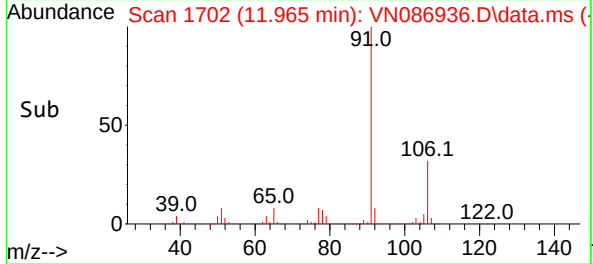
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



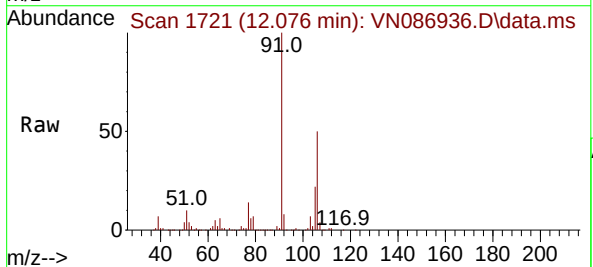
Tgt Ion: 91 Resp: 477360
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2

Manual Integrations
APPROVED

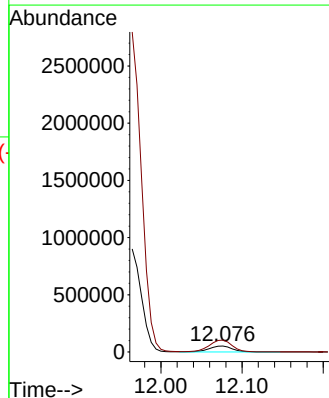
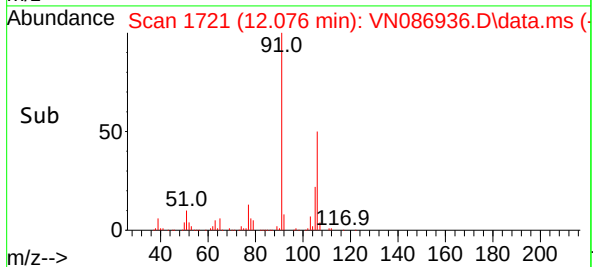
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

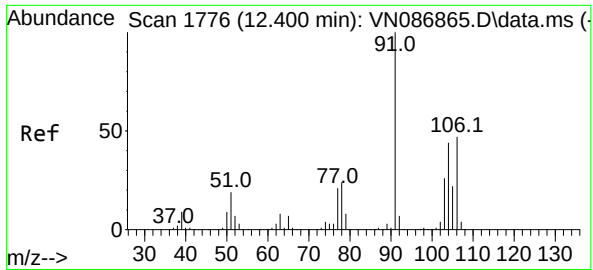


#68
m/p-Xylenes
Concen: 13.106 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52



Tgt Ion:106 Resp: 100615
Ion Ratio Lower Upper
106 100
91 202.3 159.4 239.0





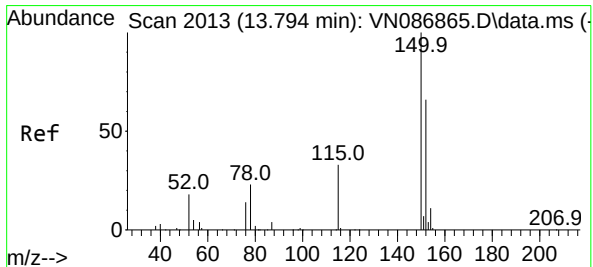
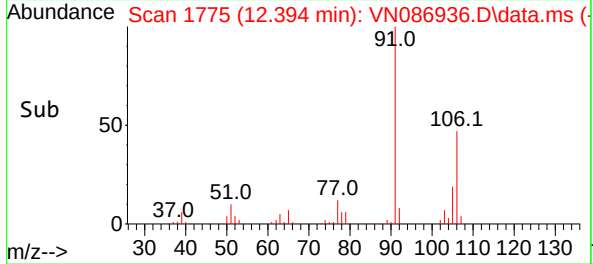
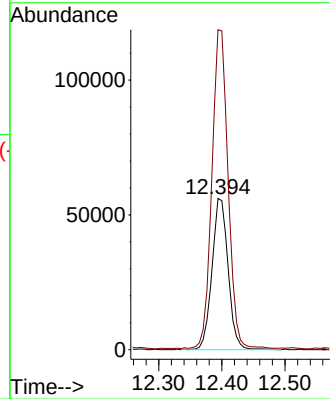
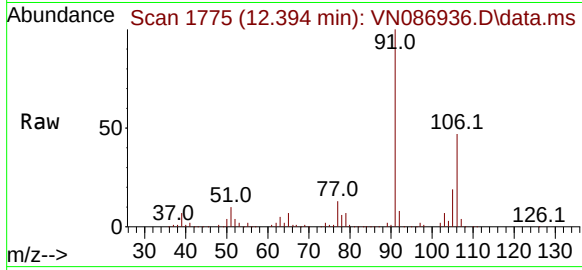
#69
o-Xylene
Concen: 13.507 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Tgt Ion:106 Resp: 9931
Ion Ratio Lower Upper
106 100
91 210.8 106.1 318.1

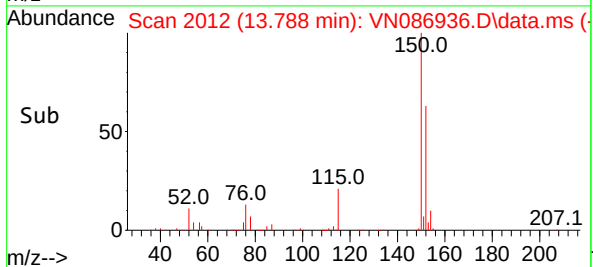
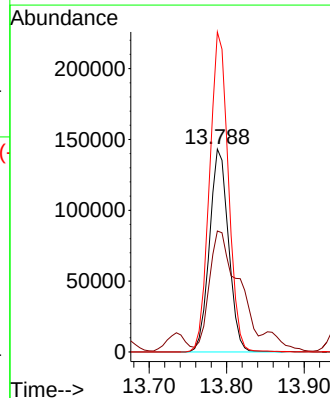
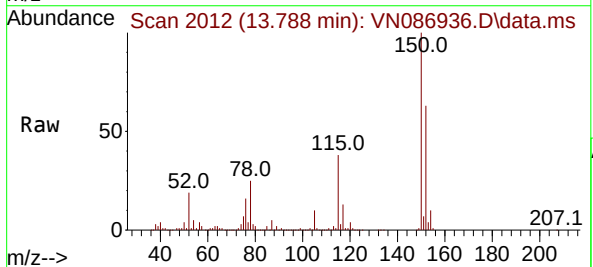
Manual Integrations
APPROVED

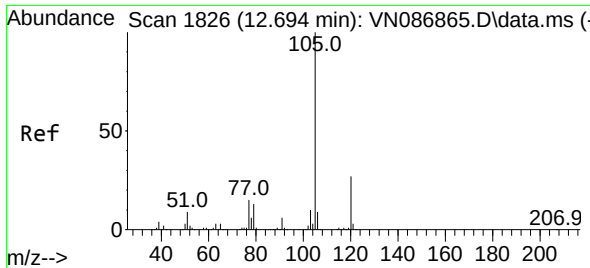
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

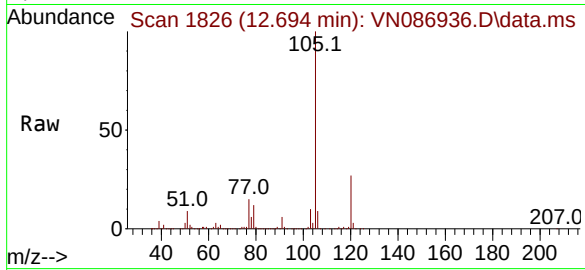
Tgt Ion:152 Resp: 243200
Ion Ratio Lower Upper
152 100
115 86.7 30.1 90.5
150 156.4 0.0 345.0





#73
Isopropylbenzene
Concen: 65.671 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

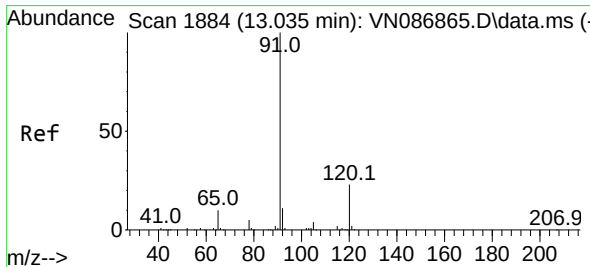
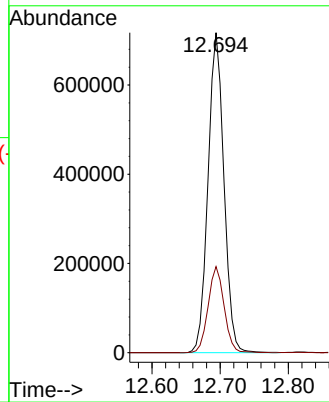
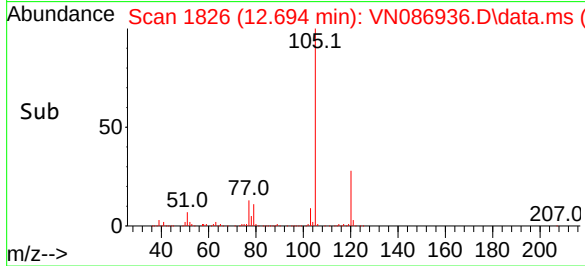
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603



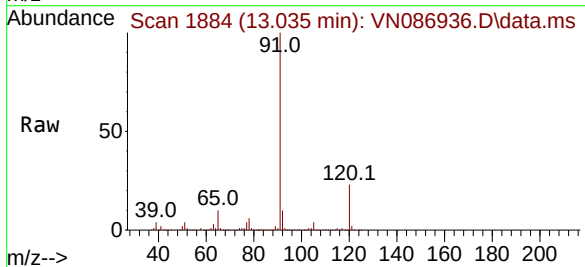
Tgt Ion:105 Resp: 116352
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4

Manual Integrations
APPROVED

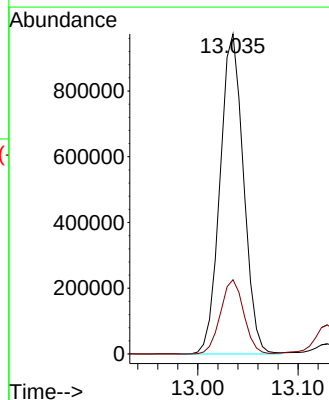
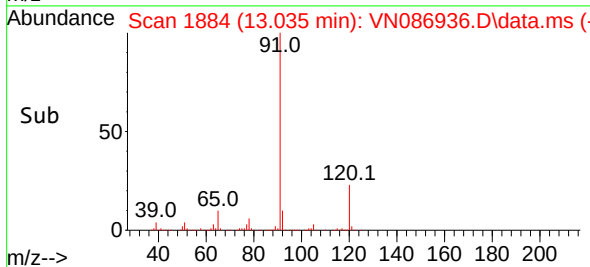
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

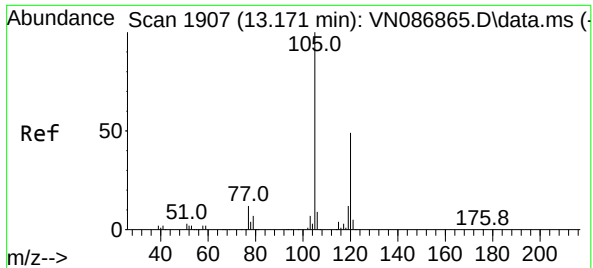


#78
n-propylbenzene
Concen: 73.453 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52



Tgt Ion: 91 Resp: 1581524
Ion Ratio Lower Upper
91 100
120 23.0 11.4 34.2





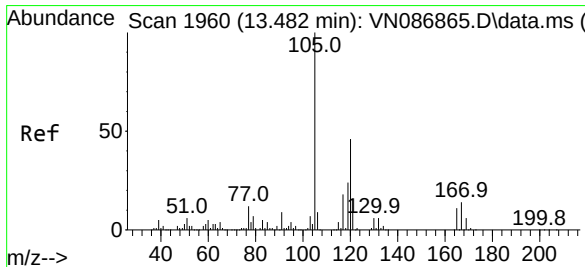
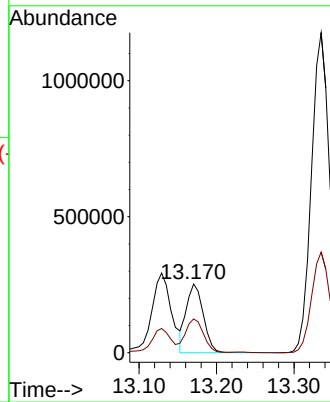
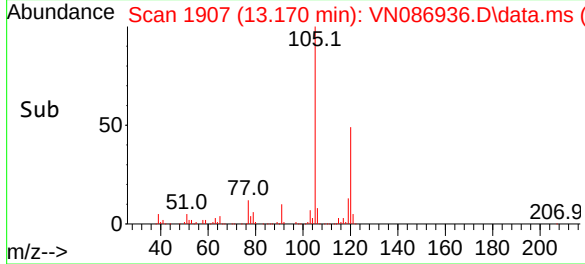
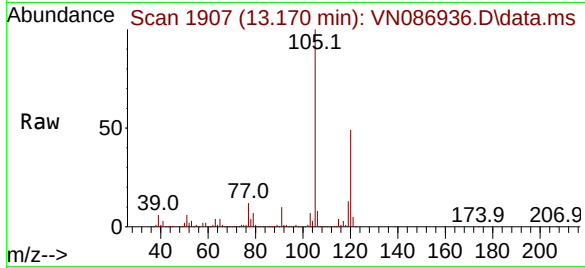
#80
1,3,5-Trimethylbenzene
Concen: 26.117 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Tgt Ion:105 Resp: 382032
Ion Ratio Lower Upper
105 100
120 52.5 24.9 74.6

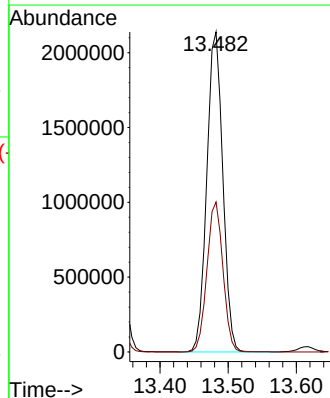
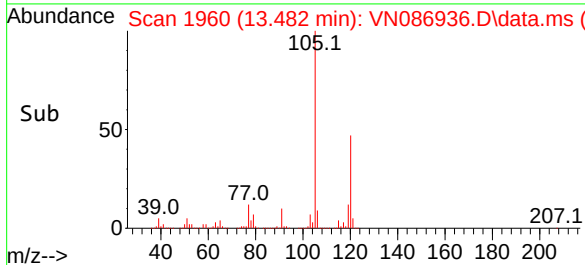
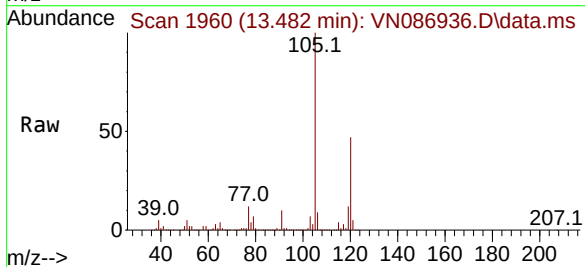
Manual Integrations
APPROVED

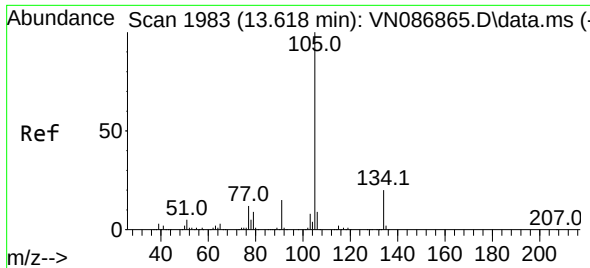
Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



#84
1,2,4-Trimethylbenzene
Concen: 237.809 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086936.D
Acq: 10 Jun 2025 17:52

Tgt Ion:105 Resp: 3488227
Ion Ratio Lower Upper
105 100
120 46.9 23.2 69.6





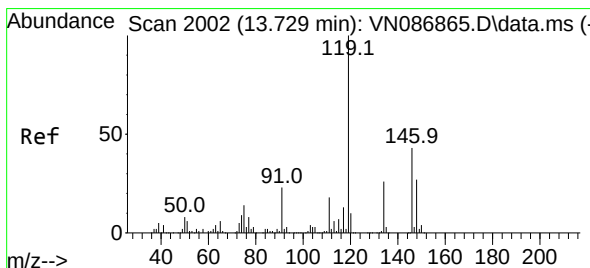
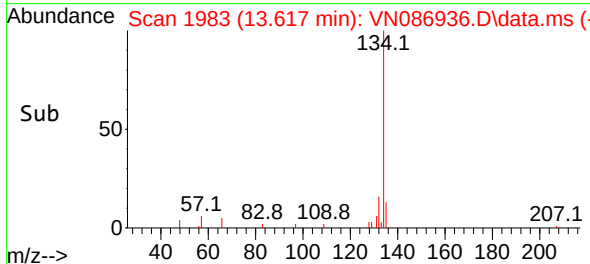
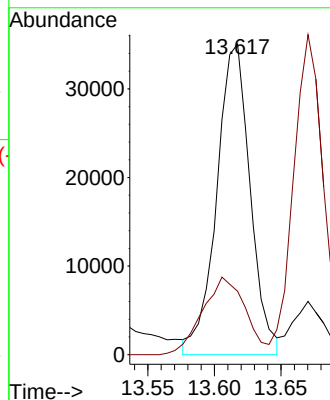
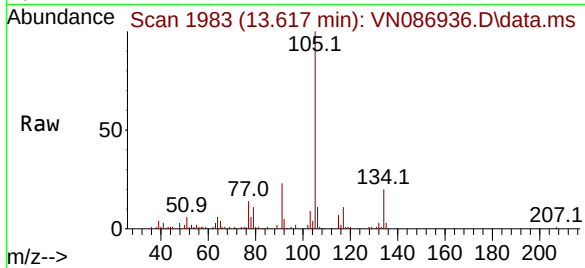
#85
 sec-Butylbenzene
 Concen: 3.150 ug/l m
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN086936.D
 Acq: 10 Jun 2025 17:52

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-20250603

Tgt Ion:105 Resp: 61249
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0#

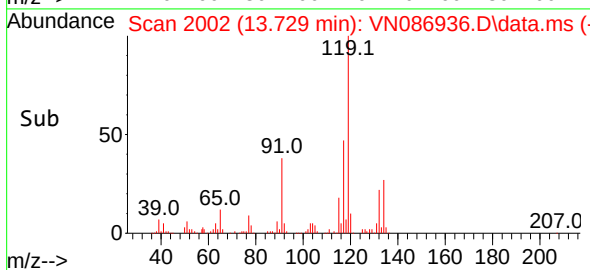
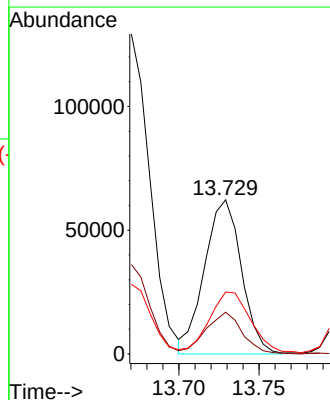
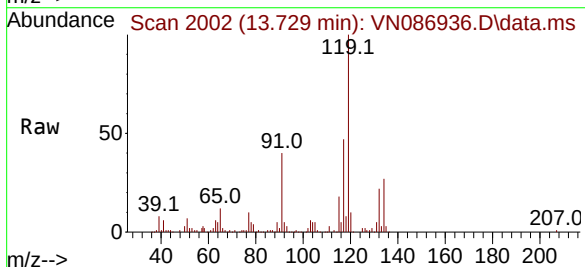
Manual Integrations
 APPROVED

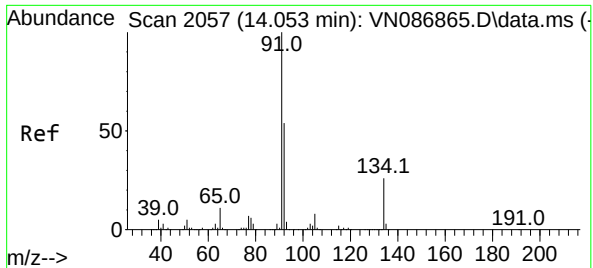
Reviewed By :John Carlone 06/11/2025
 Supervised By :Mahesh Dadoda 06/11/2025



#86
 p-Isopropyltoluene
 Concen: 6.215 ug/l m
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086936.D
 Acq: 10 Jun 2025 17:52

Tgt Ion:119 Resp: 99906
 Ion Ratio Lower Upper
 119 100
 134 55.7 13.5 40.4#
 91 42.8 11.5 34.4#





#89

n-Butylbenzene

Concen: 4.385 ug/l m

RT: 14.053 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086936.D

Acq: 10 Jun 2025 17:52

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603

Tgt Ion: 91 Resp: 68270

Ion Ratio Lower Upper

91 100

92 128.4 27.5 82.4

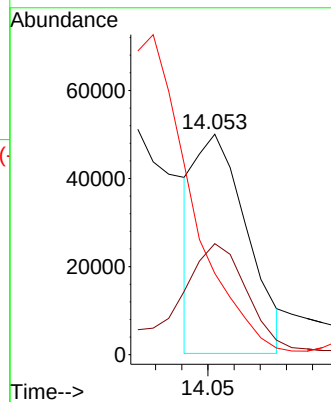
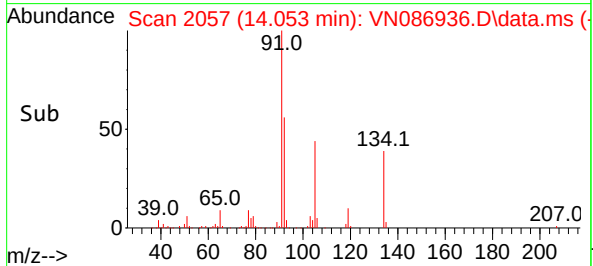
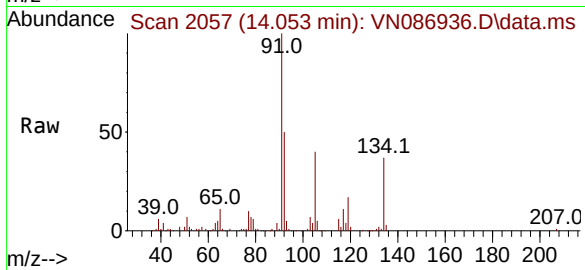
134 0.0 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2025

Supervised By :Mahesh Dadoda 06/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086936.D
 Acq On : 10 Jun 2025 17:52
 Operator : JC\MD
 Sample : Q2202-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-20250603

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\82N060625W.M

Title : SW846 8260

Signal : TIC: VN086936.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.330	57	64	84	rBV	311339	726073	2.21%	0.515%
2	8.177	1045	1058	1062	rBV	222101	537163	1.64%	0.381%
3	8.229	1062	1067	1082	rVB	403414	924658	2.82%	0.656%
4	8.588	1119	1128	1143	rVB2	258061	713118	2.17%	0.506%
5	9.106	1206	1216	1231	rVB	653867	1336059	4.07%	0.948%
6	9.606	1288	1301	1317	rBV	287008	658864	2.01%	0.467%
7	10.571	1455	1465	1473	rBV	1090522	2136673	6.51%	1.516%
8	11.865	1678	1685	1694	rBV	875902	1621932	4.94%	1.151%
9	11.965	1694	1702	1712	rVV	6188050	10614622	32.36%	7.530%
10	12.076	1712	1721	1738	rVB	289087	690164	2.10%	0.490%
11	12.394	1763	1775	1784	rBV	330466	648300	1.98%	0.460%
12	12.694	1818	1826	1842	rVV	1663395	2750657	8.39%	1.951%
13	12.847	1845	1852	1863	rVB	641837	1140057	3.48%	0.809%
14	13.035	1876	1884	1890	rBV	1887030	3072297	9.37%	2.179%
15	13.129	1890	1900	1904	rVV	686633	1251684	3.82%	0.888%
16	13.170	1904	1907	1914	rVB	689461	1039180	3.17%	0.737%
17	13.335	1927	1935	1943	rBV	2858629	4684039	14.28%	3.323%
18	13.482	1948	1960	1974	rBV	5787143	9544447	29.10%	6.771%
19	13.670	1987	1992	1997	rBV	332289	515468	1.57%	0.366%
20	13.729	1997	2002	2007	rVB2	227159	366981	1.12%	0.260%
21	13.817	2007	2017	2026	rBV2	3177210	6619097	20.18%	4.696%
22	13.947	2033	2039	2042	rBV	1125792	1893215	5.77%	1.343%
23	13.994	2042	2047	2060	rVB	9435590	17022229	51.90%	12.076%
24	14.182	2072	2079	2084	rVB2	242181	391944	1.19%	0.278%
25	14.241	2084	2089	2092	rBV	629907	1044452	3.18%	0.741%
26	14.329	2098	2104	2110	rVB	951802	1530481	4.67%	1.086%
27	14.394	2110	2115	2117	rBV	268083	409810	1.25%	0.291%
28	14.441	2117	2123	2138	rVB	4112971	7259659	22.13%	5.150%
29	14.570	2138	2145	2151	rBV	432917	713536	2.18%	0.506%
30	14.653	2151	2159	2162	rBV	711131	1245358	3.80%	0.883%
31	14.688	2162	2165	2170	rVB	1383298	1996748	6.09%	1.416%
32	14.923	2198	2205	2216	rVB	2783948	4690727	14.30%	3.328%
33	15.035	2216	2224	2232	rBV2	2534028	5969722	18.20%	4.235%
34	15.117	2232	2238	2245	rVB2	556986	1010514	3.08%	0.717%
35	15.206	2245	2253	2261	rBV	2105263	3870495	11.80%	2.746%
36	15.311	2261	2271	2278	rBV2	480799	1124551	3.43%	0.798%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

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\82N060625W.M

Title : SW846 8260

37	15.441	2285	2293	2302	rVB2	247241	601049	1.83%	0.426%
38	15.641	2318	2327	2339	rVV	16235597	32799741	100.00%	23.268%
39	15.747	2339	2345	2362	rVB5	178351	581005	1.77%	0.412%
40	16.147	2400	2413	2416	rBV3	126154	329134	1.00%	0.233%
41	16.276	2426	2435	2453	rVB4	215593	952236	2.90%	0.676%
42	16.776	2512	2520	2522	rBV	2193662	3936289	12.00%	2.792%

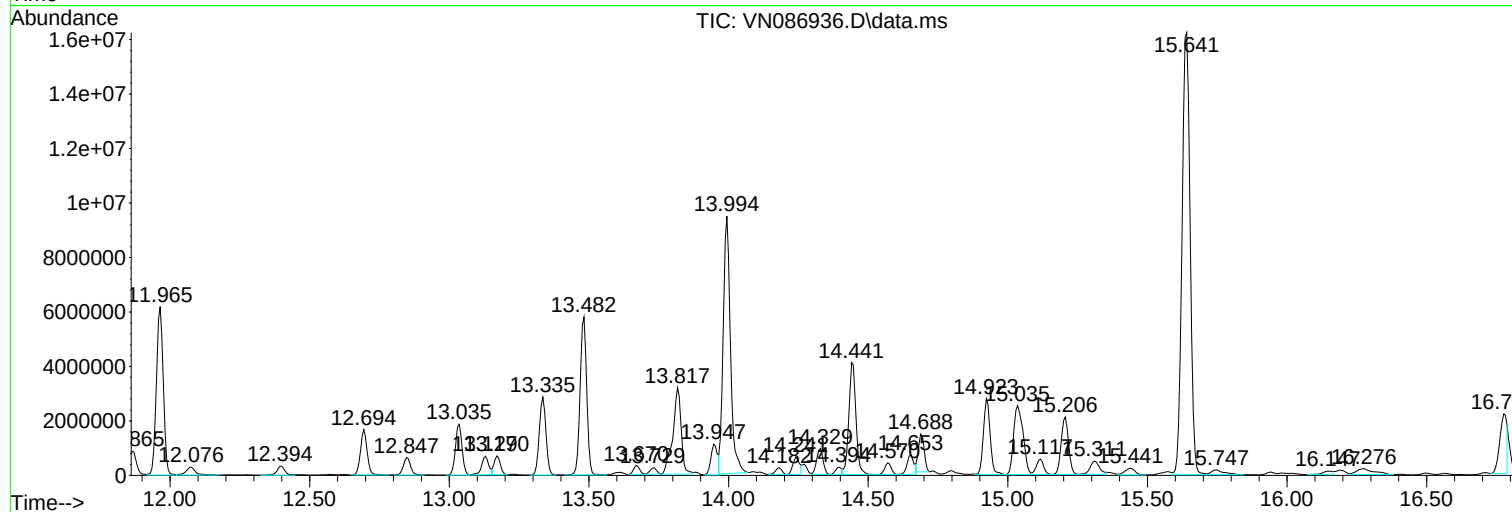
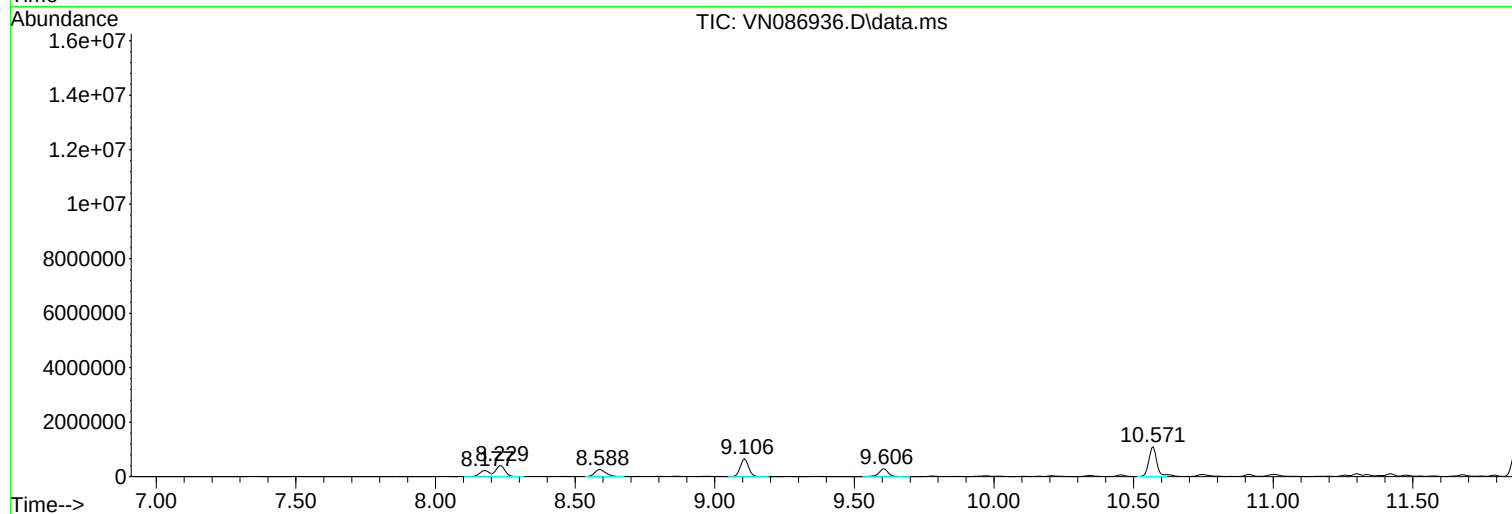
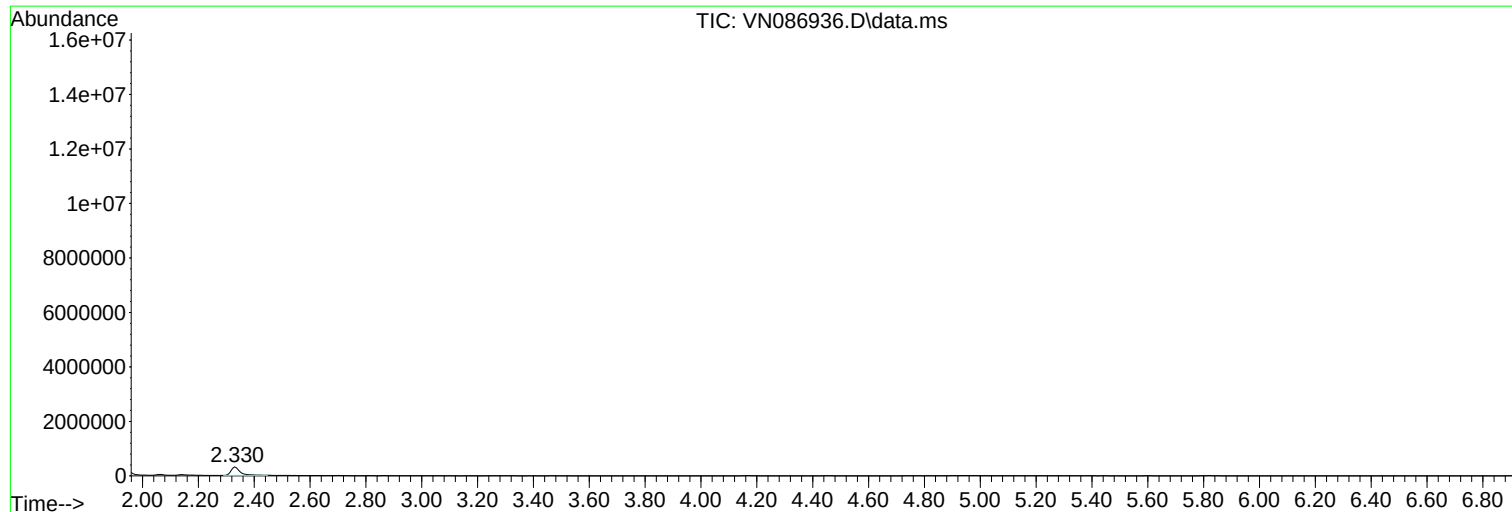
Sum of corrected areas: 140964428

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

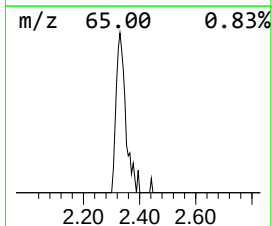
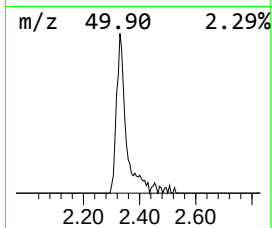
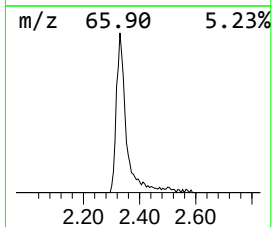
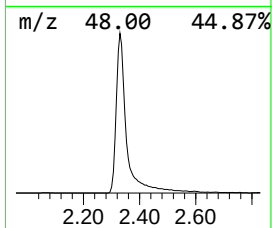
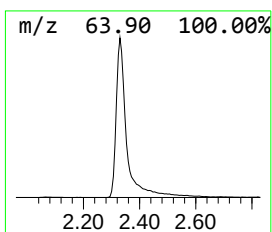
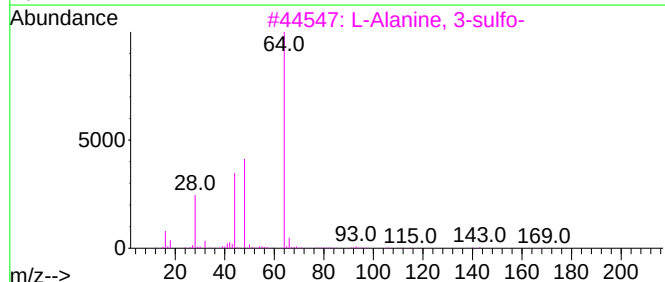
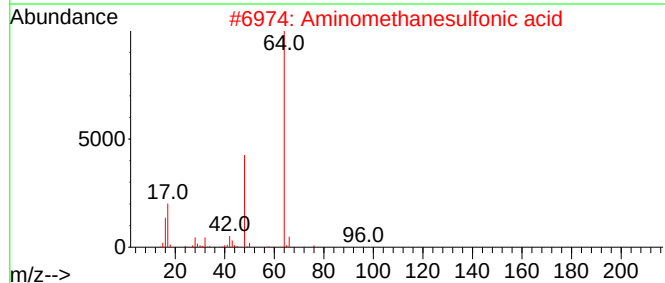
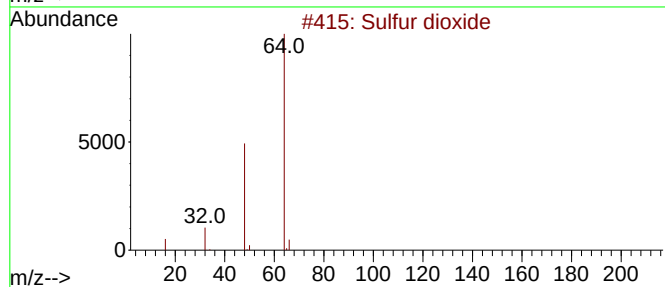
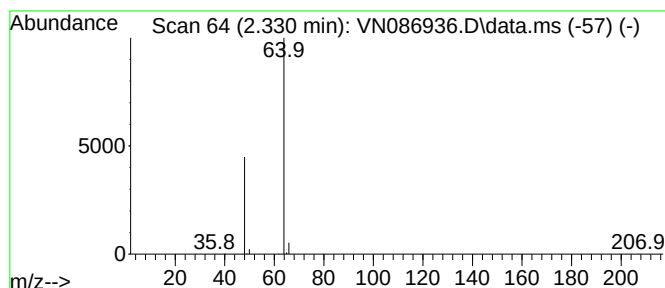
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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.
2.330	39.26 ug/l	726073	Pentafluorobenzene	8.229

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\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

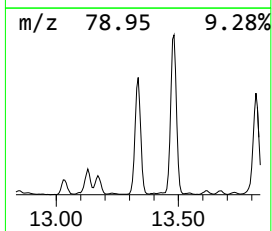
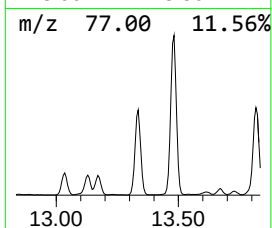
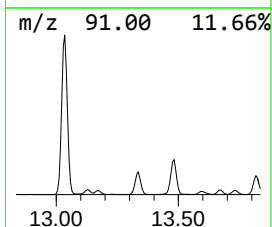
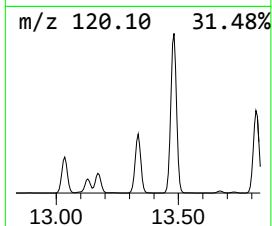
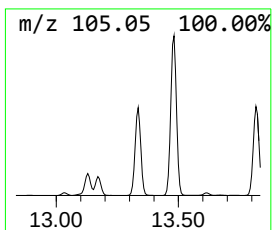
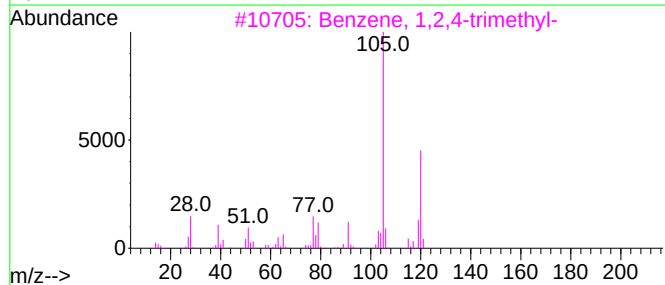
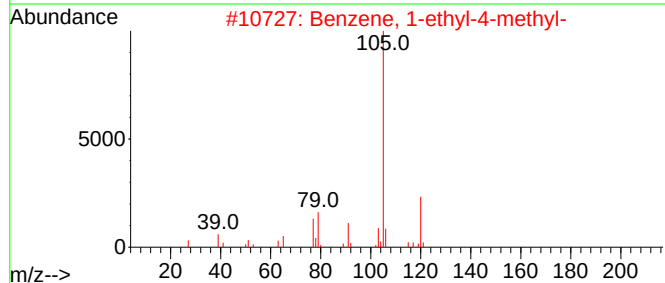
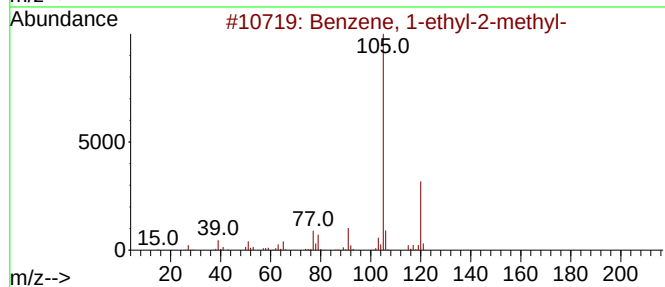
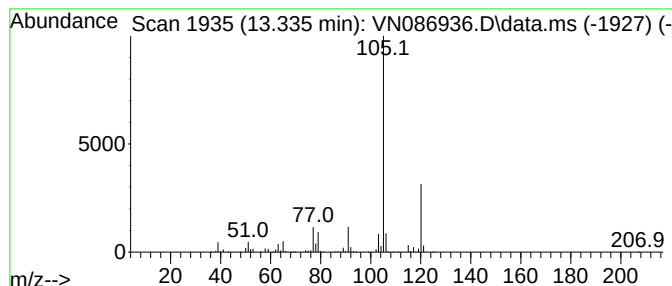
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.335	35.38 ug/l	4684040	1,4-Dichlorobenzene-d4	13.788

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

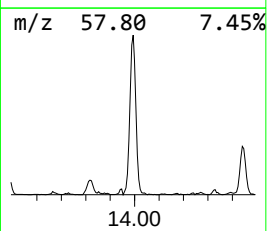
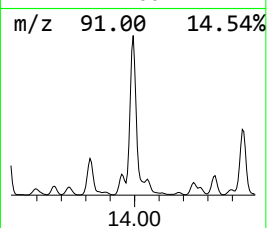
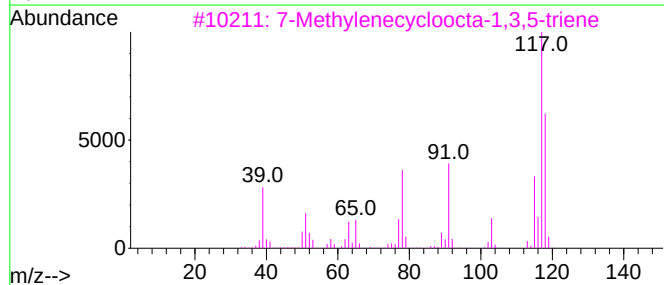
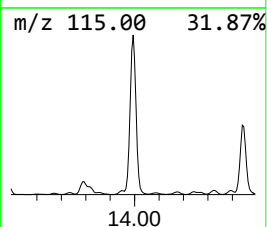
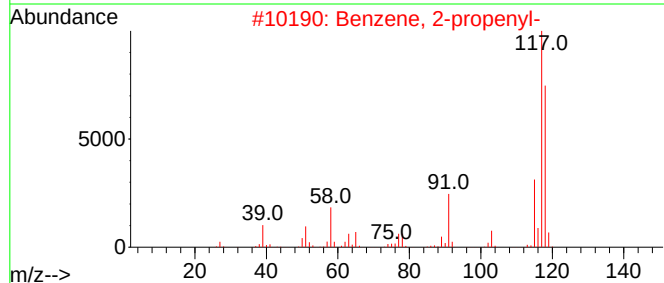
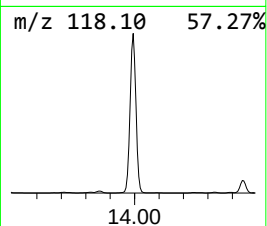
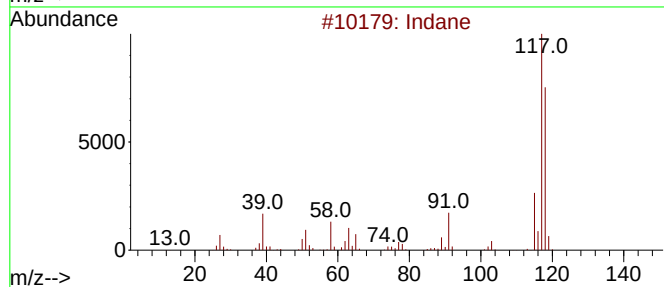
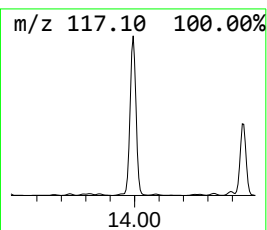
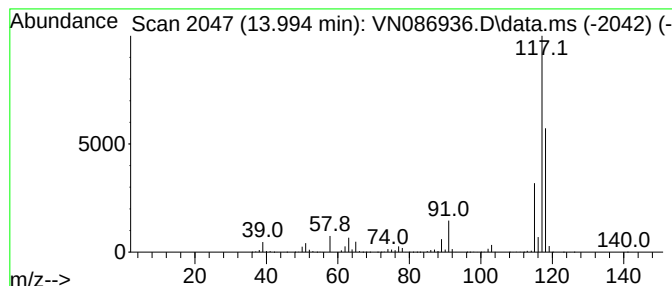
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Quant Title : SW846 8260

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	128.58 ug/l	17022200	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, 2-propenyl-	118	C9H10	000300-57-2	64
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			Benzene, cyclopropyl-	118	C9H10	000873-49-4	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

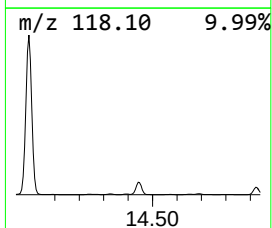
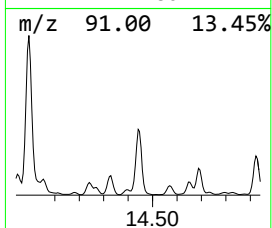
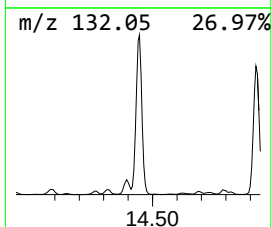
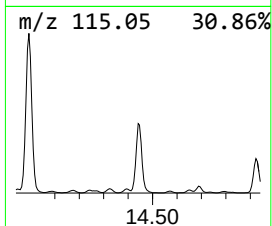
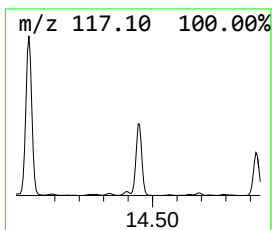
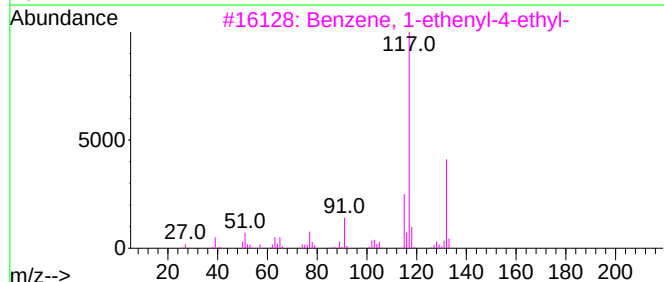
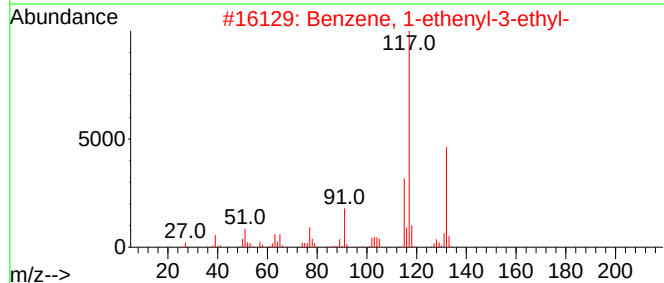
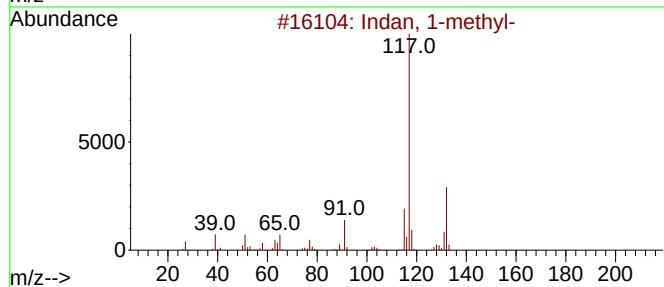
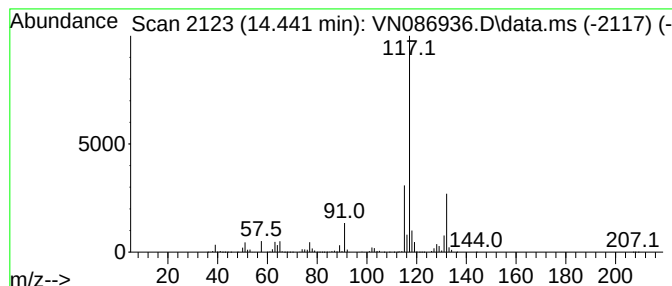
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Quant Title : SW846 8260

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

Peak Number 4 Indan, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.441	54.84 ug/l	7259660	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	93
2			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
4			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5			1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

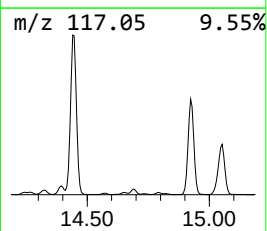
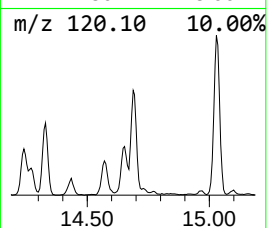
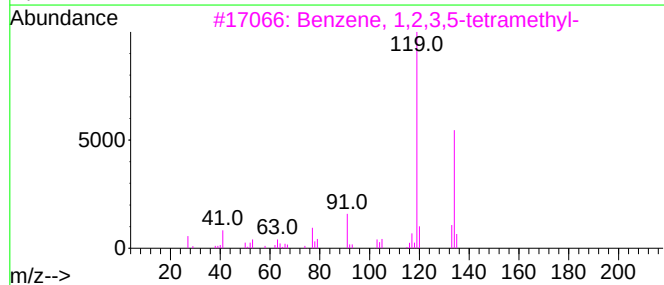
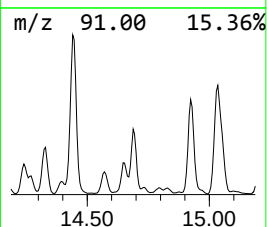
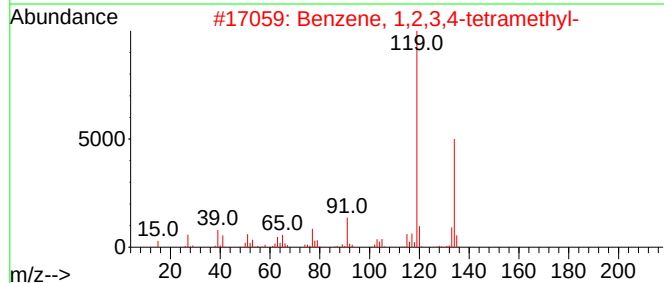
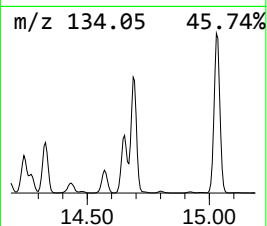
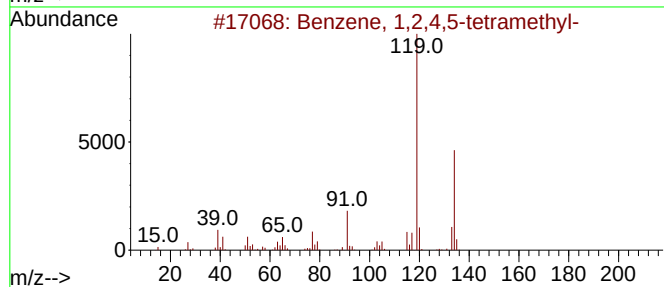
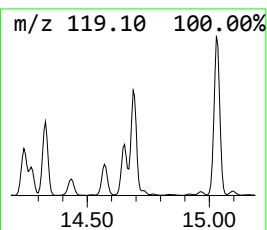
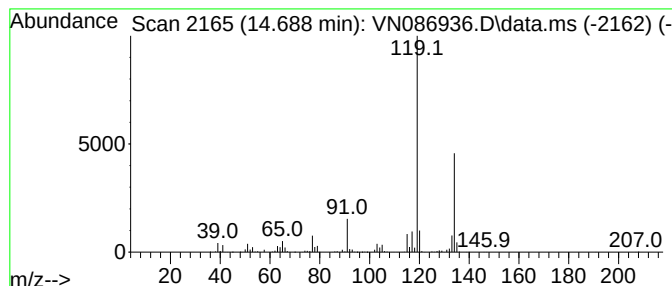
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.688	15.08 ug/l	1996750	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	97
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

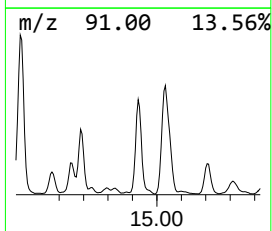
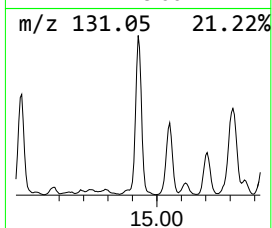
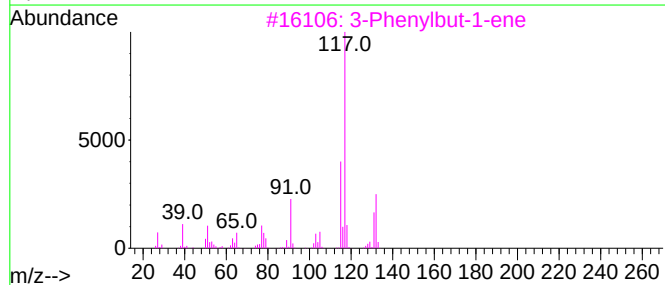
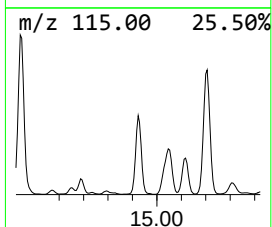
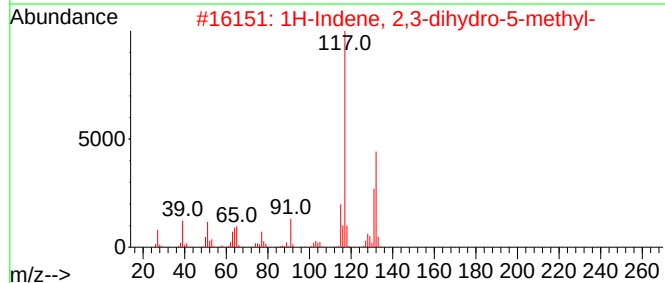
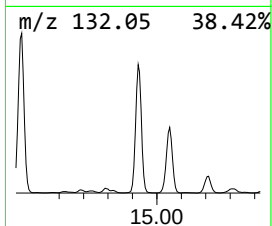
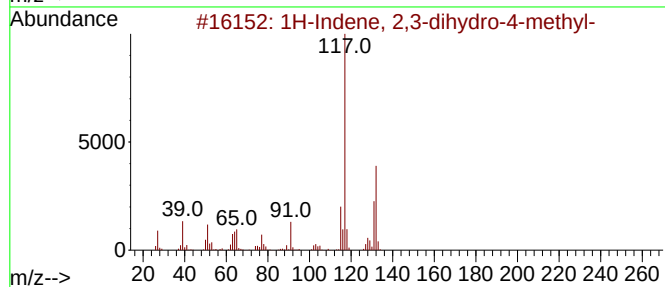
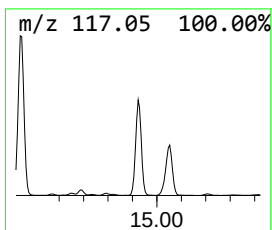
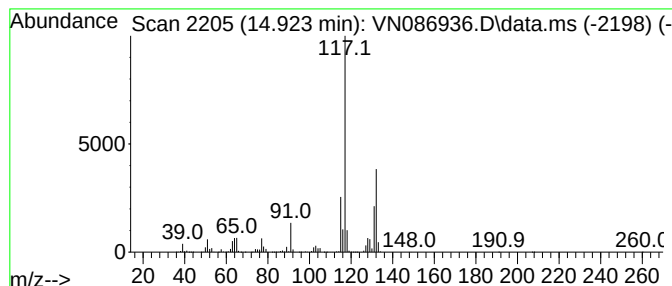
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Quant Title : SW846 8260

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

Peak Number 6 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.923	35.43 ug/l	4690730	1,4-Dichlorobenzene-d4	13.788

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
2		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
4		Indan, 1-methyl-	132	C10H12	000767-58-8	90
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

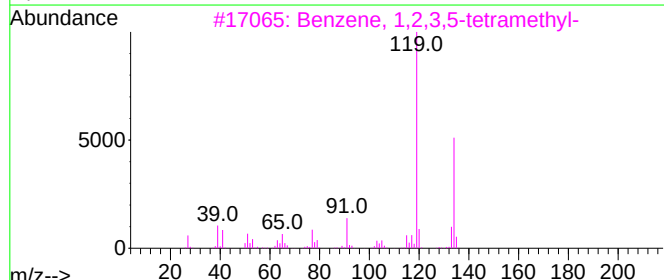
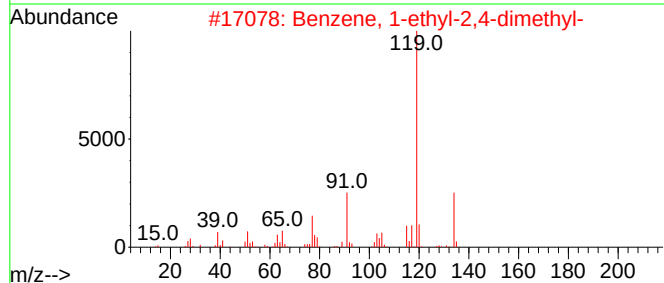
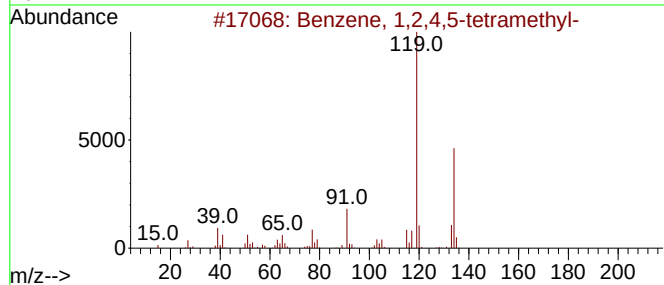
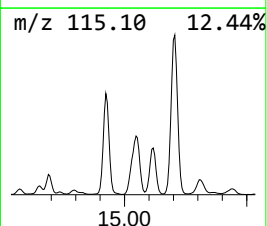
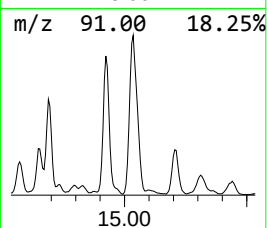
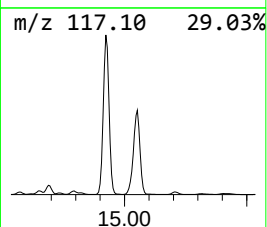
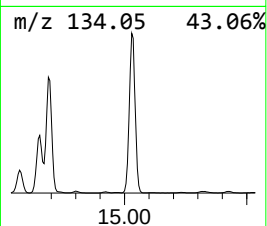
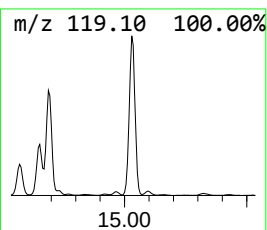
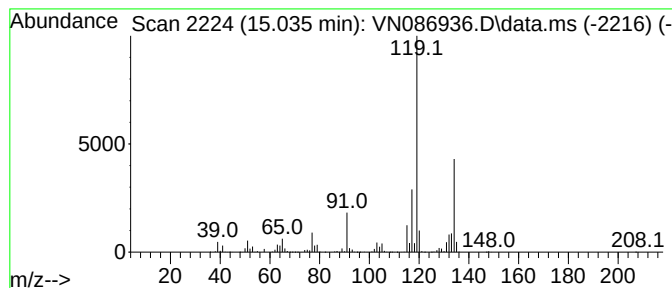
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.035	45.09 ug/l	5969720	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	94
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87
4			o-Cymene	134	C10H14	000527-84-4	87
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

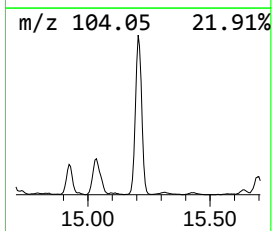
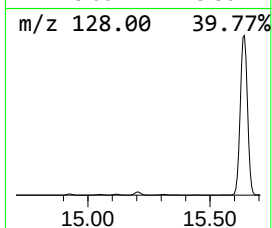
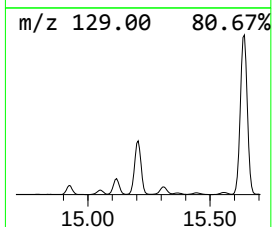
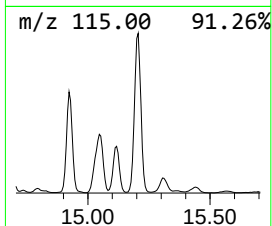
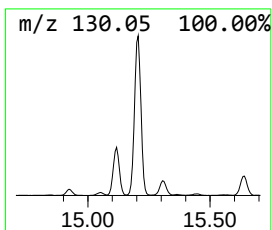
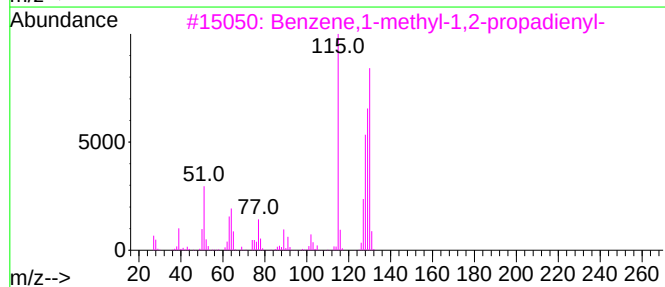
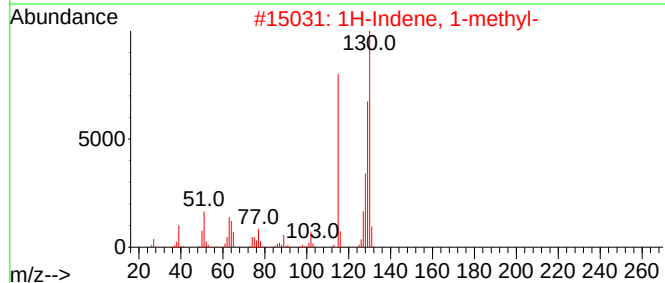
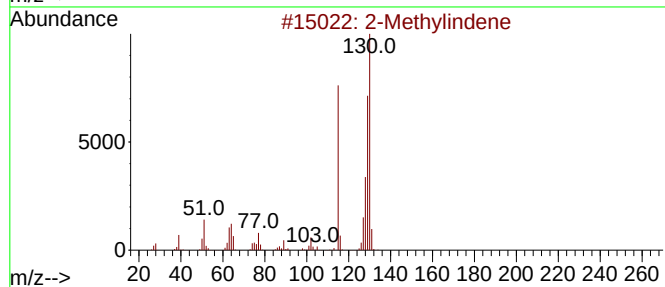
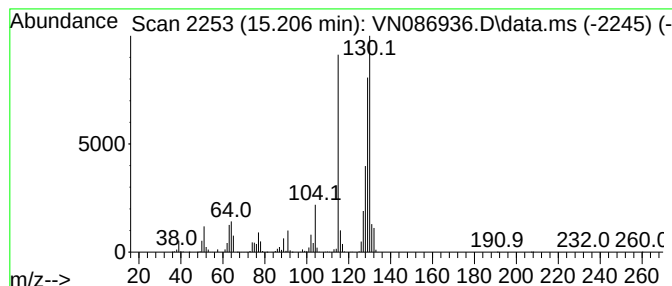
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Quant Title : SW846 8260

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

Peak Number 8 2-Methylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.206	29.24 ug/l	3870500	1,4-Dichlorobenzene-d4	13.788

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Methylindene	130	C10H10	002177-47-1	96
2		1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
3		Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
4		1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93
5		Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

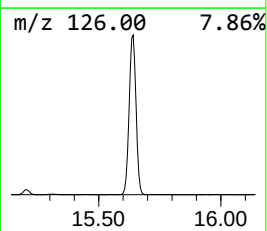
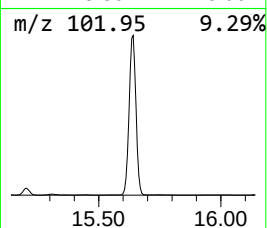
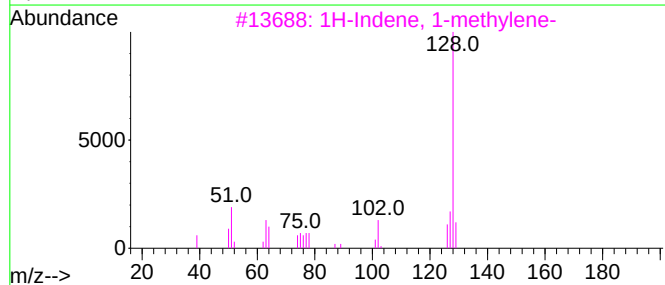
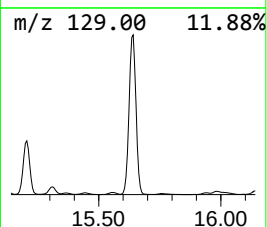
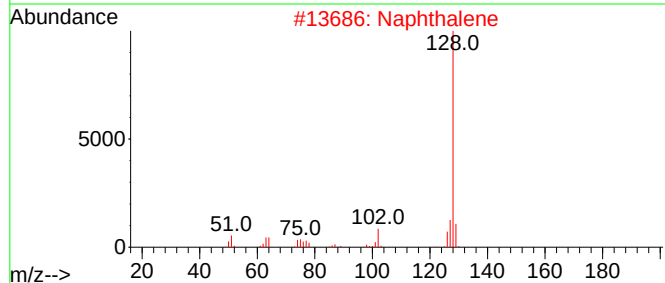
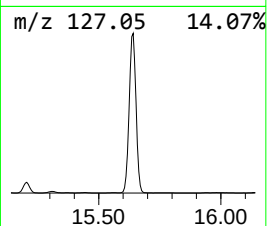
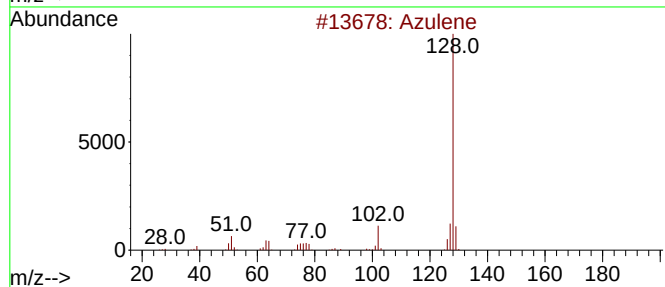
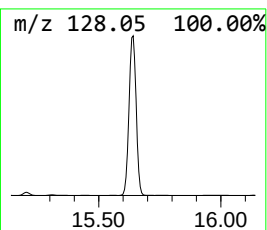
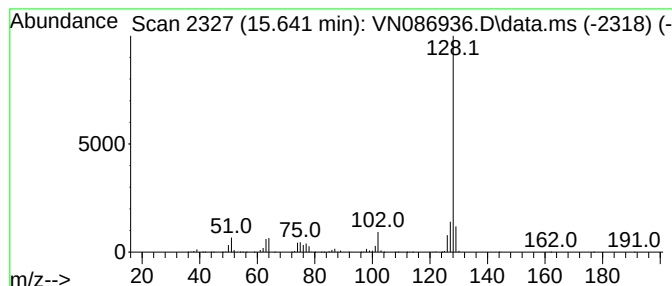
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Quant Title : SW846 8260

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

Peak Number 9 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.641	247.77 ug/l	32799700	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Azulene	128	C10H8	000275-51-4	95
2			Naphthalene	128	C10H8	000091-20-3	95
3			1H-Indene, 1-methylene-	128	C10H8	002471-84-3	91
4			1,3-Dicyanobenzene	128	C8H4N2	000626-17-5	59
5			4-Phenylbut-3-ene-1-yne	128	C10H8	100022-12-0	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086936.D
Acq On : 10 Jun 2025 17:52
Operator : JC\MD
Sample : Q2202-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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	2.330	39.3	ug/l	726073	1	8.229	924658	50.0
Benzene, 1-ethy...	13.335	35.4	ug/l	4684040	4	13.788	6619100	50.0
Indane	13.994	128.6	ug/l	17022200	4	13.788	6619100	50.0
Indan, 1-methyl-	14.441	54.8	ug/l	7259660	4	13.788	6619100	50.0
Benzene, 1,2,4,...	14.688	15.1	ug/l	1996750	4	13.788	6619100	50.0
1H-Indene, 2,3-...	14.923	35.4	ug/l	4690730	4	13.788	6619100	50.0
Benzene, 1-ethy...	15.035	45.1	ug/l	5969720	4	13.788	6619100	50.0
2-Methylindene	15.206	29.2	ug/l	3870500	4	13.788	6619100	50.0
Azulene	15.641	247.8	ug/l	32799700	4	13.788	6619100	50.0

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603DL	SDG No.:	Q2202
Lab Sample ID:	Q2202-03DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086947.D	5		06/11/25 14:44	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	UD	1.10	5.00	ug/L
74-87-3	Chloromethane	1.60	UD	1.60	5.00	ug/L
75-01-4	Vinyl Chloride	1.30	UD	1.30	5.00	ug/L
74-83-9	Bromomethane	7.20	UD	7.20	25.0	ug/L
75-00-3	Chloroethane	2.40	UD	2.40	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	1.20	UD	1.20	5.00	ug/L
67-64-1	Acetone	7.60	UD	7.60	25.0	ug/L
75-15-0	Carbon Disulfide	28.4	D	1.10	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	1.40	UD	1.40	5.00	ug/L
75-09-2	Methylene Chloride	1.40	UD	1.40	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.20	UD	1.20	5.00	ug/L
75-34-3	1,1-Dichloroethane	1.20	UD	1.20	5.00	ug/L
110-82-7	Cyclohexane	7.30	UD	7.30	25.0	ug/L
78-93-3	2-Butanone	4.90	UD	4.90	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	0.95	UD	0.95	5.00	ug/L
74-97-5	Bromochloromethane	1.10	UD	1.10	5.00	ug/L
67-66-3	Chloroform	1.30	UD	1.30	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UD	1.00	5.00	ug/L
108-87-2	Methylcyclohexane	17.3	D	0.80	5.00	ug/L
71-43-2	Benzene	3.90	JD	0.75	5.00	ug/L
107-06-2	1,2-Dichloroethane	1.10	UD	1.10	5.00	ug/L
79-01-6	Trichloroethene	0.47	UD	0.47	5.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UD	1.00	5.00	ug/L
75-27-4	Bromodichloromethane	1.10	UD	1.10	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.40	UD	3.40	25.0	ug/L
108-88-3	Toluene	2.00	JD	0.70	5.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603DL	SDG No.:	Q2202
Lab Sample ID:	Q2202-03DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086947.D	5		06/11/25 14:44	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.85	UD	0.85	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.80	UD	0.80	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	4.50	UD	4.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.90	UD	0.90	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.75	UD	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	1.20	UD	1.20	5.00	ug/L
108-90-7	Chlorobenzene	0.60	UD	0.60	5.00	ug/L
100-41-4	Ethyl Benzene	220	D	0.65	5.00	ug/L
179601-23-1	m/p-Xylenes	13.1	D	1.20	10.0	ug/L
95-47-6	o-Xylene	12.5	D	0.60	5.00	ug/L
100-42-5	Styrene	0.75	UD	0.75	5.00	ug/L
75-25-2	Bromoform	0.95	UD	0.95	5.00	ug/L
98-82-8	Isopropylbenzene	58.5	D	0.60	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.30	UD	1.30	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.80	UD	0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	UD	0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.80	UD	0.80	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	UD	2.70	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	UD	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	UD	1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	52.2		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	328000	8.236			
540-36-3	1,4-Difluorobenzene	626000	9.106			
3114-55-4	Chlorobenzene-d5	565000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	268000	13.788			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-12-20250603DL	SDG No.:	Q2202
Lab Sample ID:	Q2202-03DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086947.D	5		06/11/25 14:44	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086947.D
 Acq On : 11 Jun 2025 14:44
 Operator : JC\MD
 Sample : Q2202-03DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-20250603DL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/12/2025
 Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:33:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	327908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	625927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	564664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	268318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	220773	50.286	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.580%			
35) Dibromofluoromethane	8.177	113	185860	50.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	10.571	98	767042	52.235	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.460%			
62) 4-Bromofluorobenzene	12.847	95	279781	51.282	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.560%			
Target Compounds					Qvalue	
17) Carbon Disulfide	4.924	76	57255m	5.671	ug/l	
39) Methylcyclohexane	9.606	83	26176	3.457	ug/l	98
40) Benzene	8.618	78	14184	0.785	ug/l #	89
52) Toluene	10.635	92	4430	0.401	ug/l	100
67) Ethyl Benzene	11.965	91	943329	43.975	ug/l	99
68) m/p-Xylenes	12.076	106	21581	2.628	ug/l	98
69) o-Xylene	12.394	106	19692	2.504	ug/l	98
73) Isopropylbenzene	12.694	105	228879	11.709	ug/l	99
78) n-propylbenzene	13.035	91	311450	13.111	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	76481	4.739	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	697118	43.077	ug/l	98
86) p-Isopropyltoluene	13.729	119	21934m	1.237	ug/l	
89) n-Butylbenzene	14.053	91	16876m	0.982	ug/l	

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

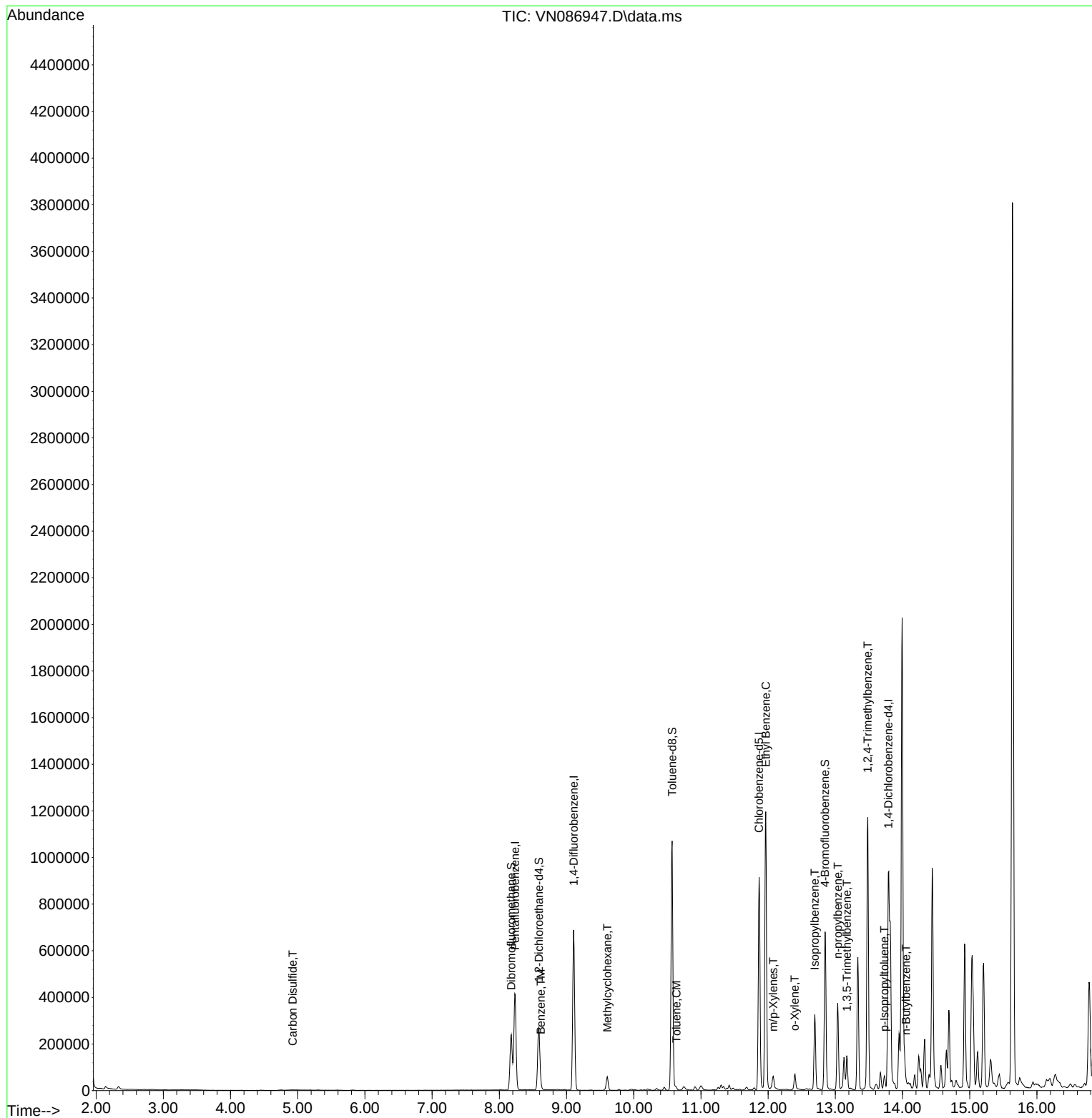
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Data File : VN086947.D
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Operator : JC\MD
Sample : Q2202-03DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

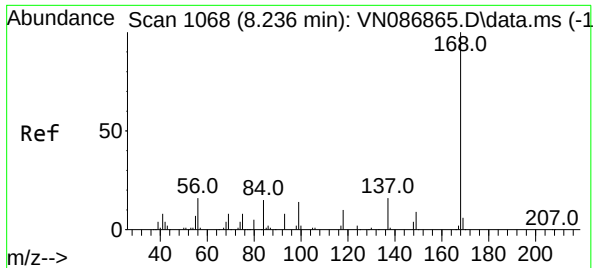
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL

Manual Integrations
APPROVED

Reviewed By : John Carlone 06/12/2025
Supervised By : Semsettin Yesilyurt 06/12/2025

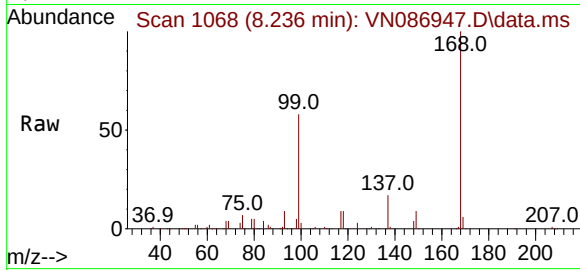
Quant Time: Jun 12 01:33:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

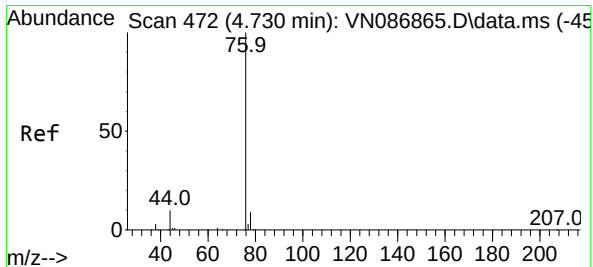
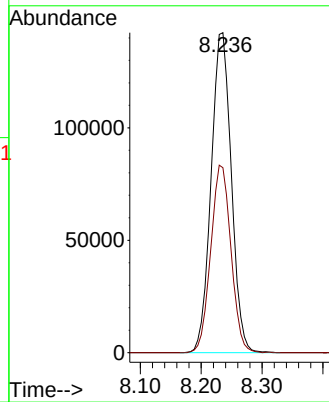
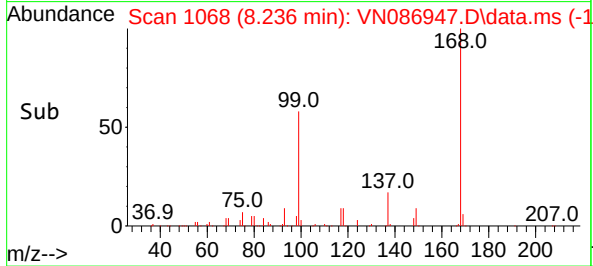
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



Tgt Ion:168 Resp: 327908
Ion Ratio Lower Upper
168 100
99 57.8 49.1 73.7

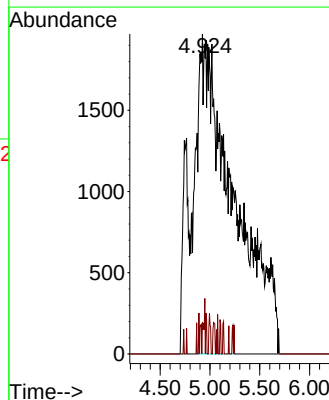
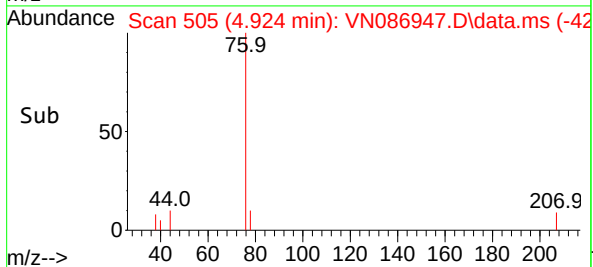
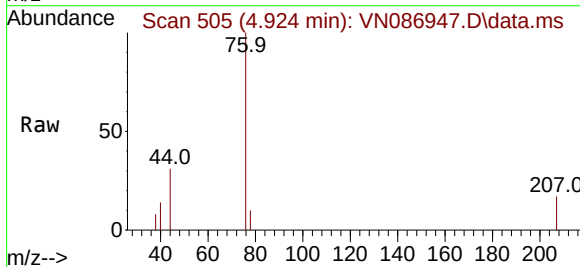
Manual Integrations
APPROVED

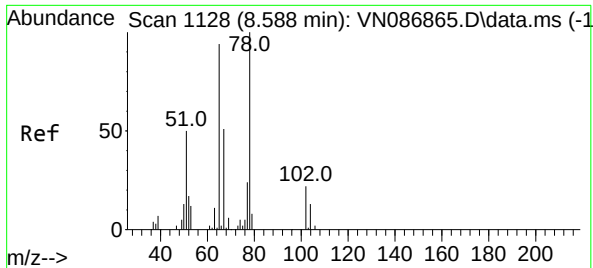
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#17
Carbon Disulfide
Concen: 5.671 ug/l m
RT: 4.924 min Scan# 505
Delta R.T. 0.194 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

Tgt Ion: 76 Resp: 57255
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9





#33

1,2-Dichloroethane-d4

Concen: 50.286 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603DL

Tgt Ion: 65 Resp: 22077

Ion Ratio Lower Upper

65 100

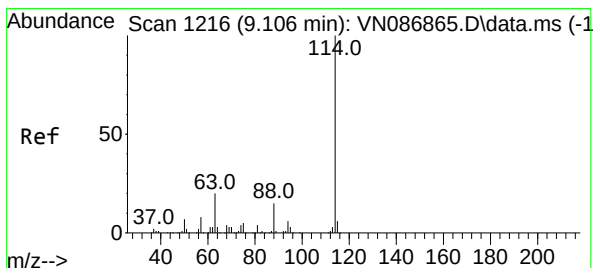
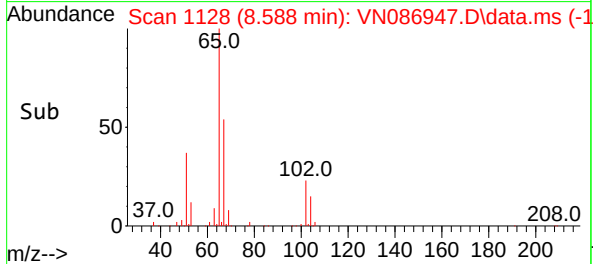
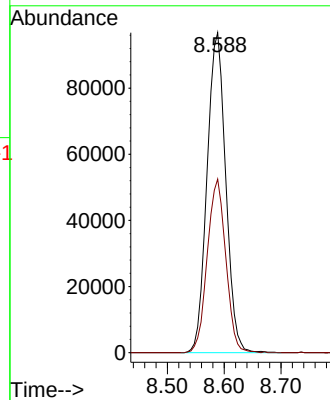
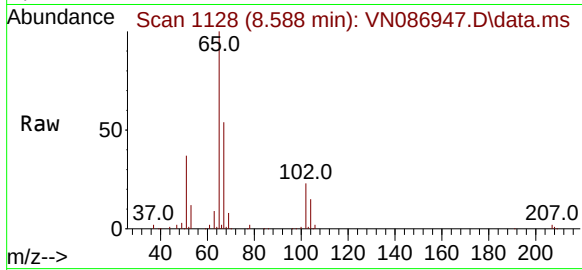
67 53.7 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/12/2025

Supervised By :Semsettin Yesilyurt 06/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

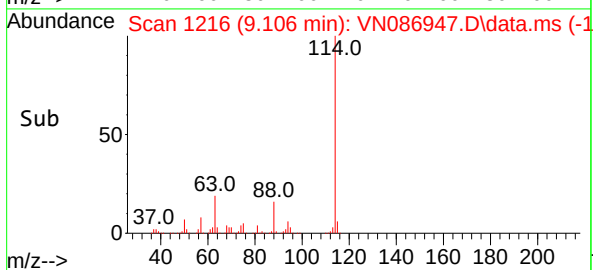
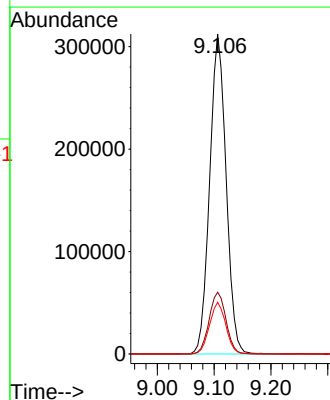
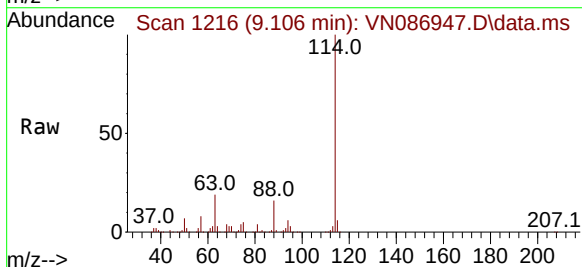
Tgt Ion:114 Resp: 625927

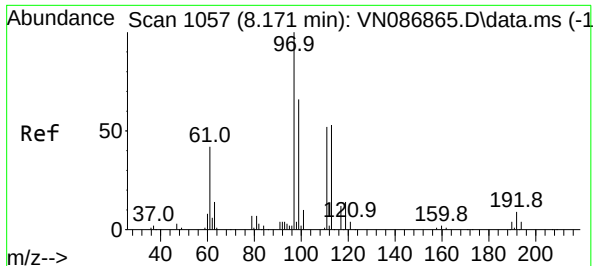
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 16.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.105 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603DL

Tgt Ion:113 Resp: 185860

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.2

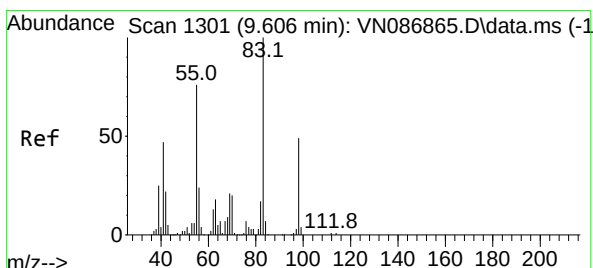
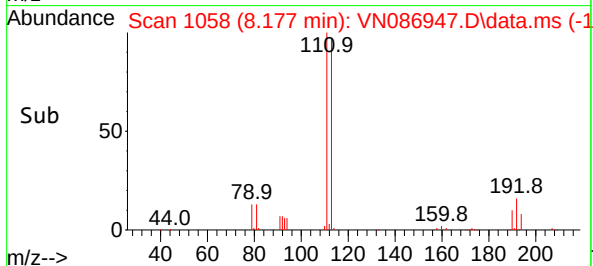
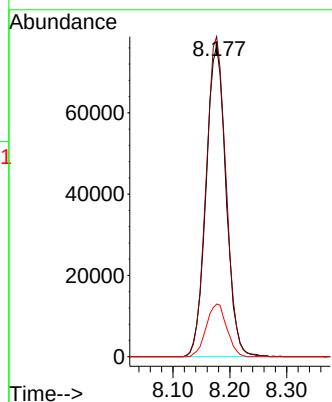
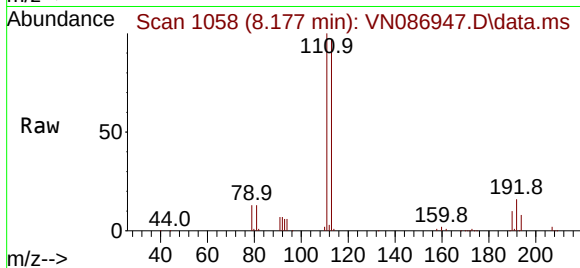
192 17.5 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/12/2025

Supervised By :Semsettin Yesilyurt 06/12/2025



#39

Methylcyclohexane

Concen: 3.457 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

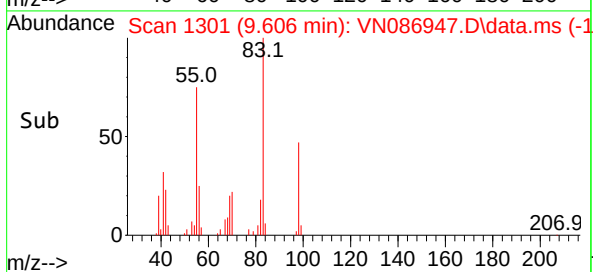
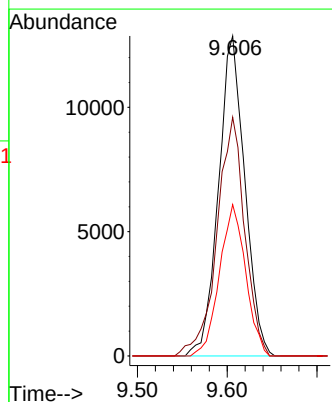
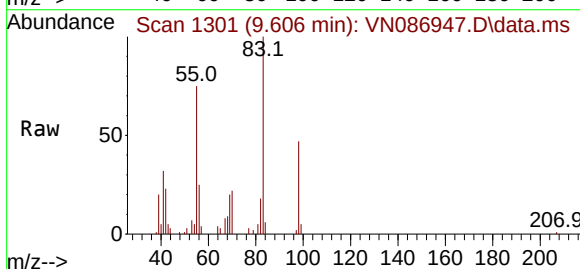
Tgt Ion: 83 Resp: 26176

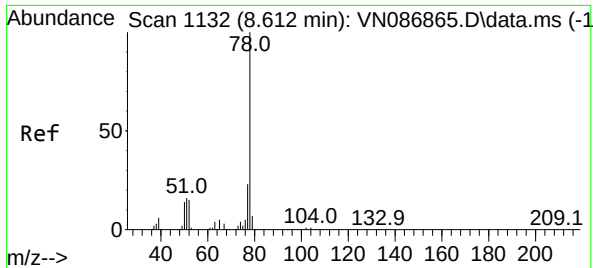
Ion Ratio Lower Upper

83 100

55 74.6 61.0 91.6

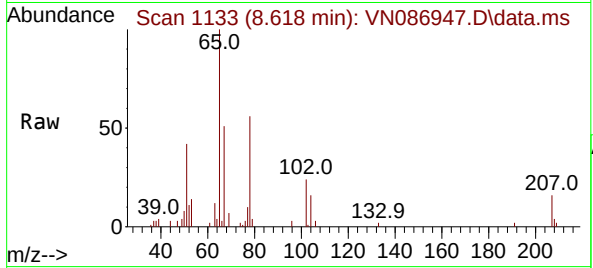
98 47.3 38.9 58.3





#40
Benzene
Concen: 0.785 ug/l
RT: 8.618 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

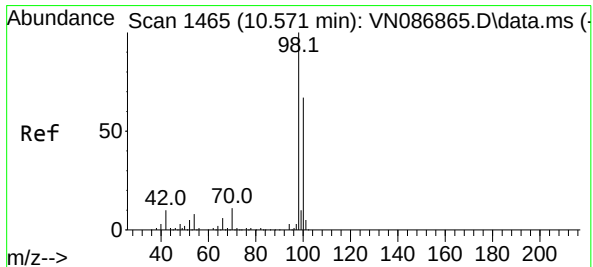
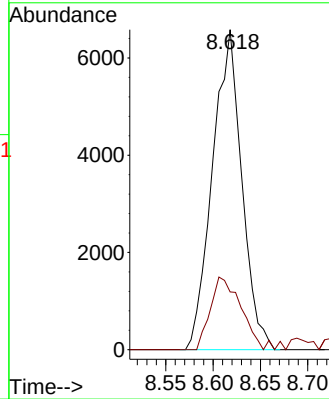
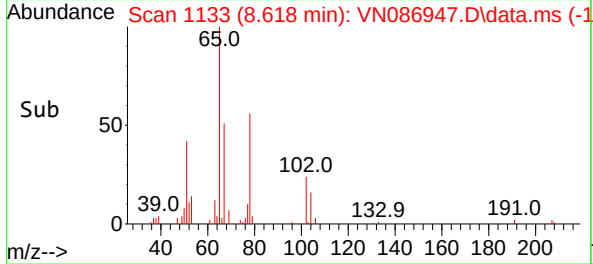
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



Tgt Ion: 78 Resp: 14184
Ion Ratio Lower Upper
78 100
77 18.1 18.7 28.1

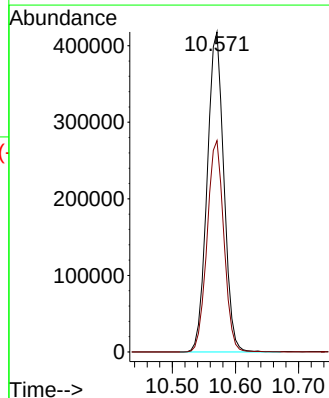
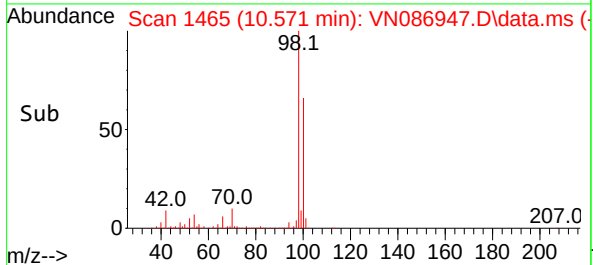
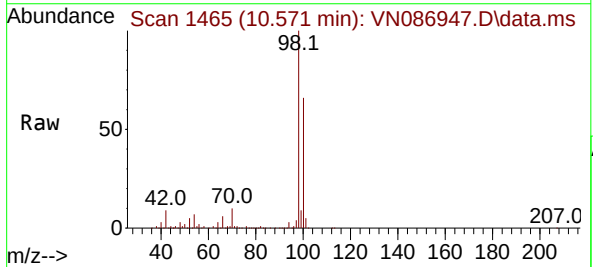
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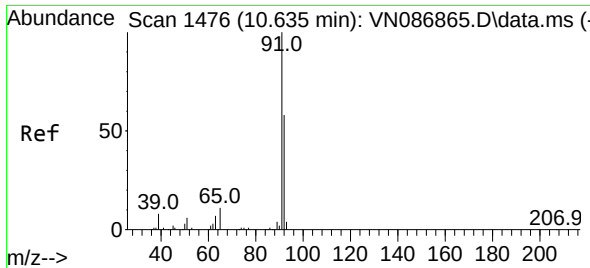
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#50
Toluene-d8
Concen: 52.235 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

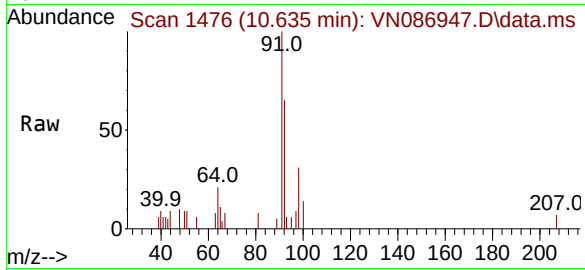
Tgt Ion: 98 Resp: 767042
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0





#52
Toluene
Concen: 0.401 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

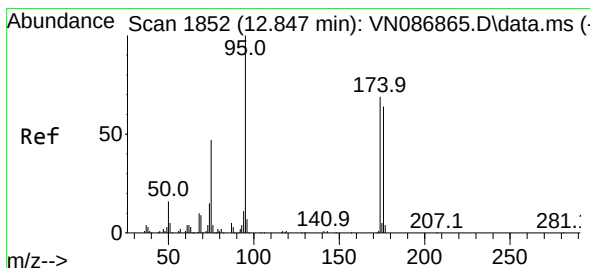
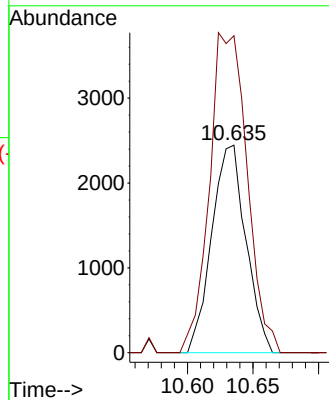
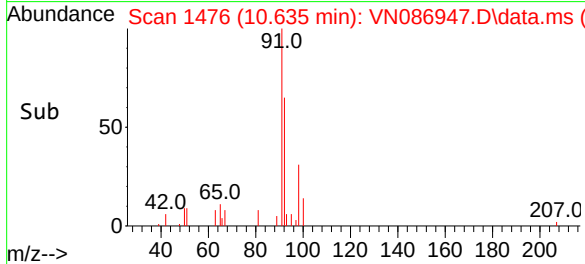
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



Tgt Ion: 92 Resp: 4430
Ion Ratio Lower Upper
92 100
91 170.0 136.5 204.7

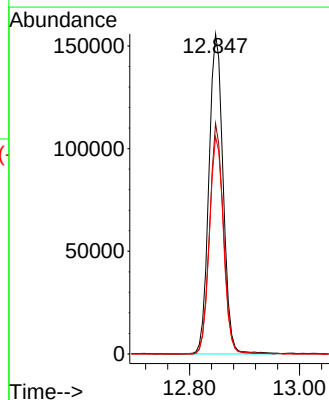
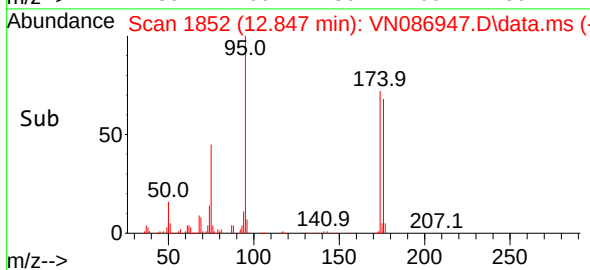
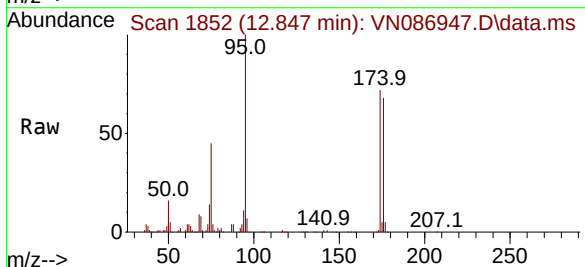
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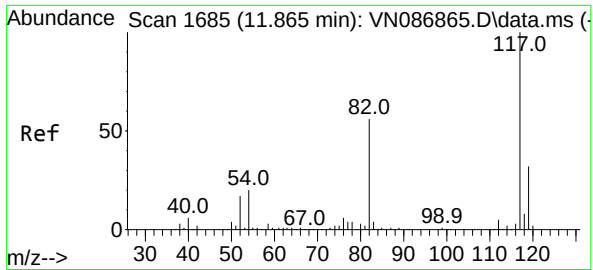
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#62
4-Bromofluorobenzene
Concen: 51.282 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

Tgt Ion: 95 Resp: 279781
Ion Ratio Lower Upper
95 100
174 69.9 0.0 141.8
176 67.2 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603DL

Tgt Ion:117 Resp: 564664

Ion Ratio Lower Upper

117 100

82 54.7 44.6 67.0

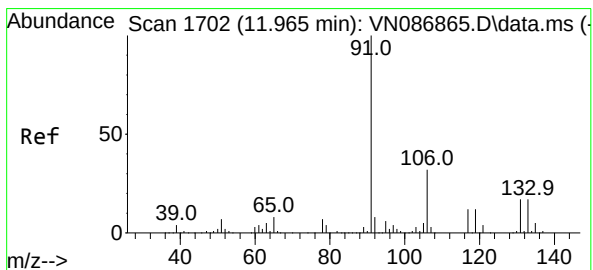
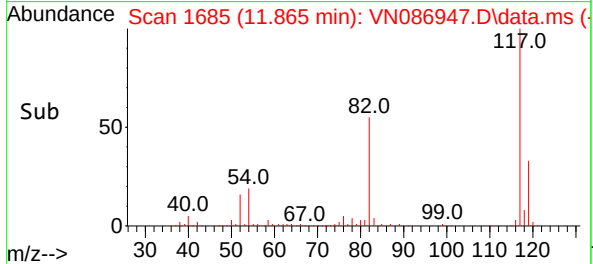
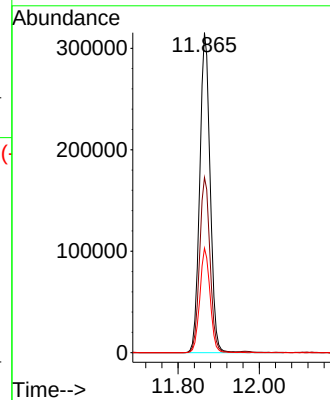
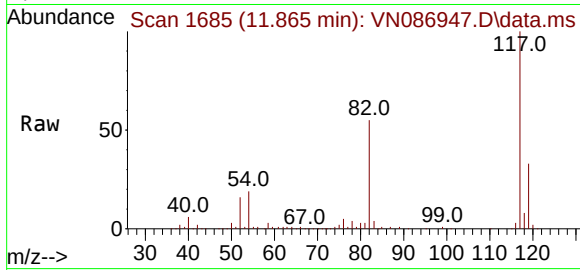
119 32.6 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/12/2025

Supervised By :Semsettin Yesilyurt 06/12/2025



#67

Ethyl Benzene

Concen: 43.975 ug/l

RT: 11.965 min Scan# 1702

Delta R.T. -0.000 min

Lab File: VN086947.D

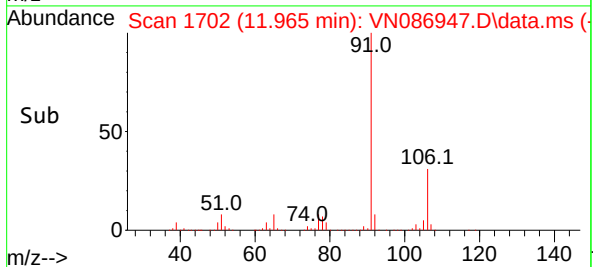
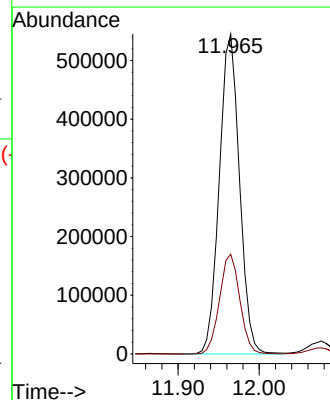
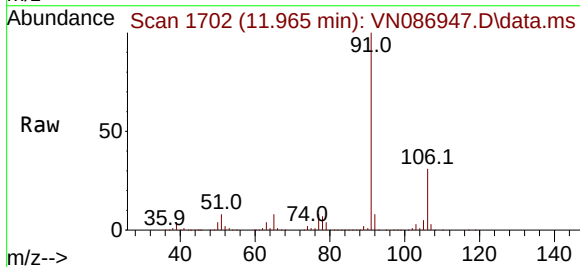
Acq: 11 Jun 2025 14:44

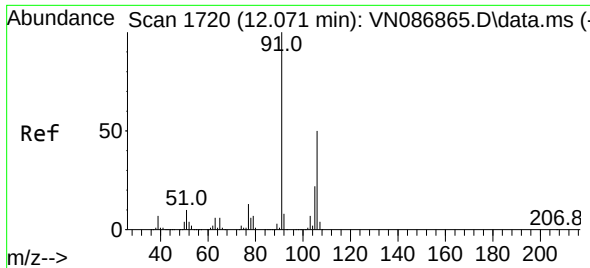
Tgt Ion: 91 Resp: 943329

Ion Ratio Lower Upper

91 100

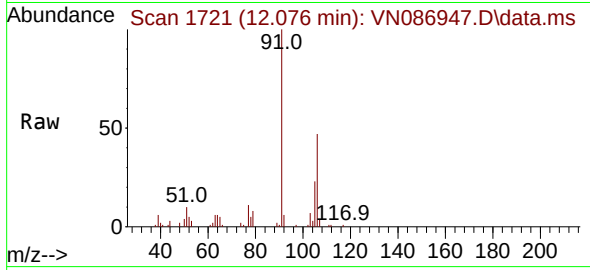
106 31.1 25.4 38.2





#68
m/p-Xylenes
Concen: 2.628 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

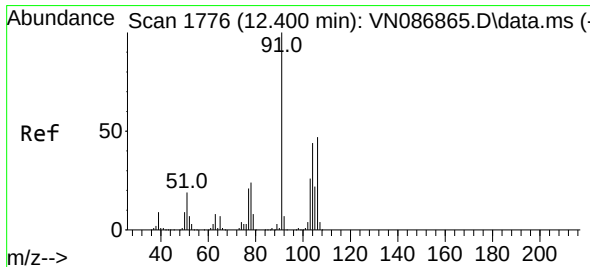
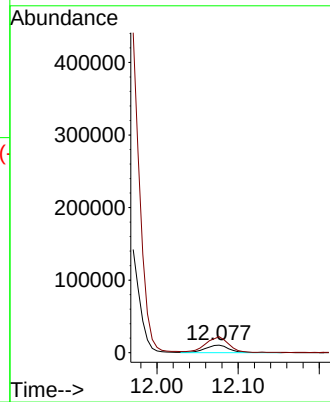
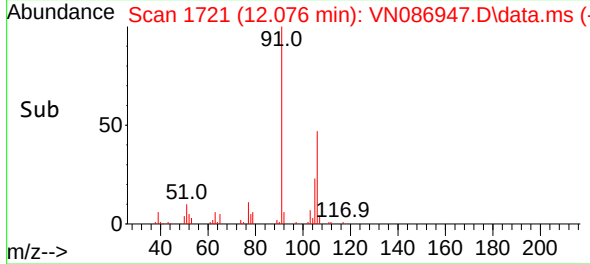
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



Tgt Ion:106 Resp: 2158
Ion Ratio Lower Upper
106 100
91 196.4 159.4 239.0

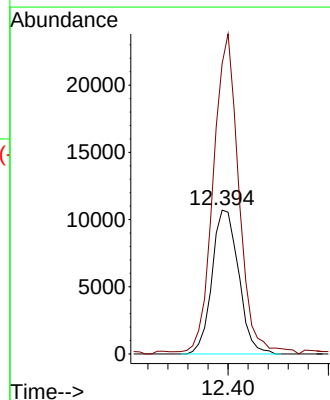
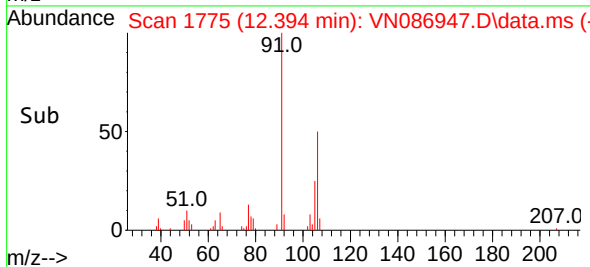
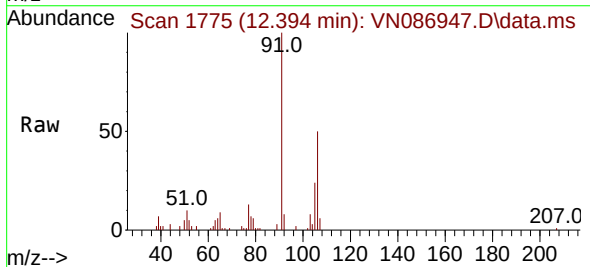
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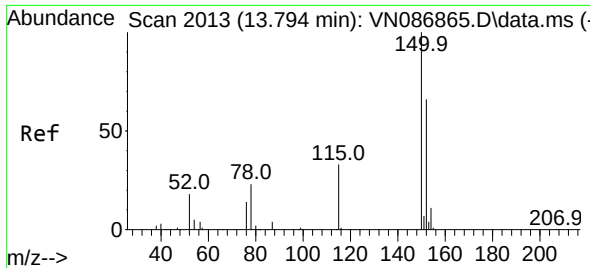
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#69
o-Xylene
Concen: 2.504 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

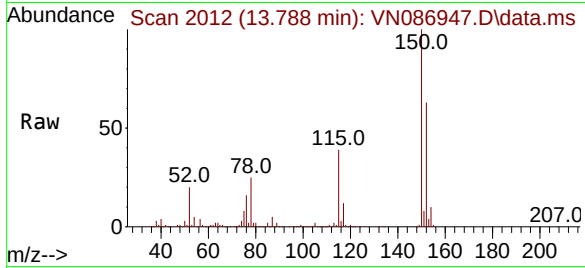
Tgt Ion:106 Resp: 19692
Ion Ratio Lower Upper
106 100
91 214.8 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

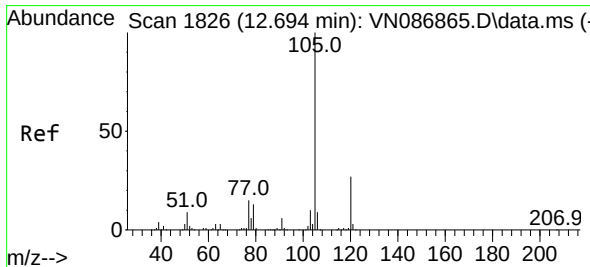
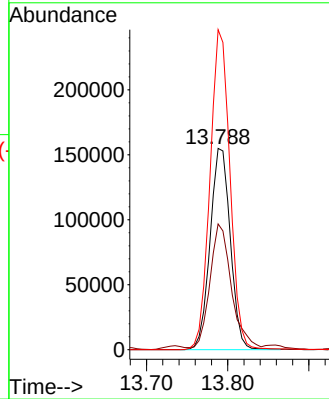
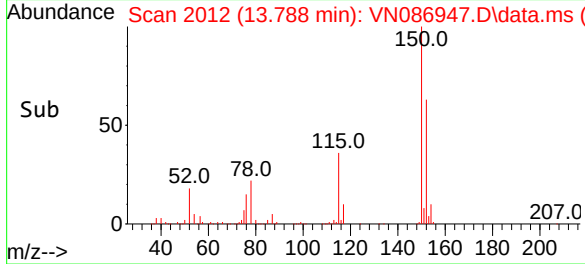
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



Tgt Ion:152 Resp: 268318
Ion Ratio Lower Upper
152 100
115 64.0 30.1 90.5
150 156.8 0.0 345.0

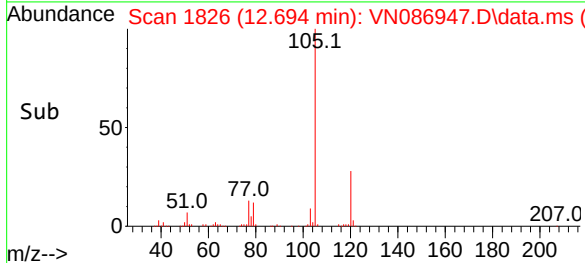
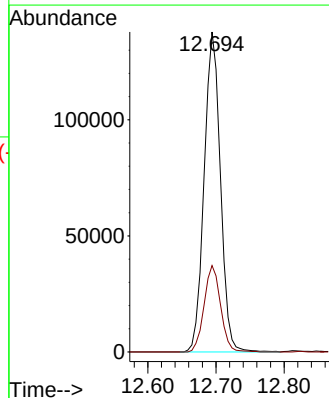
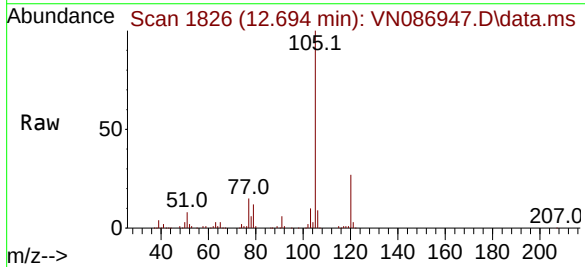
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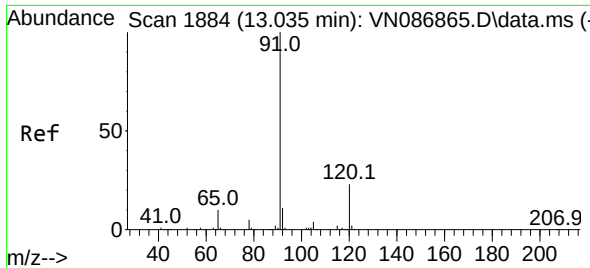
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#73
Isopropylbenzene
Concen: 11.709 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

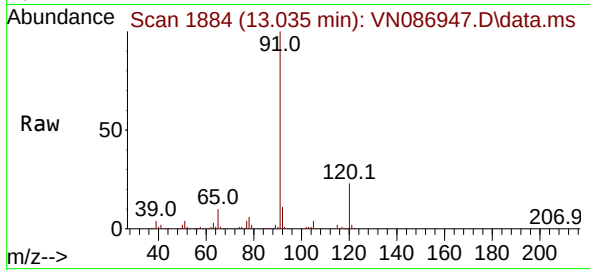
Tgt Ion:105 Resp: 228879
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.4





#78
n-propylbenzene
Concen: 13.111 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

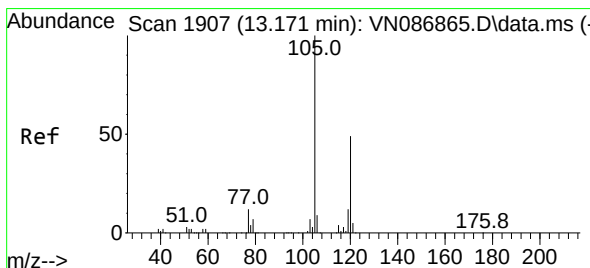
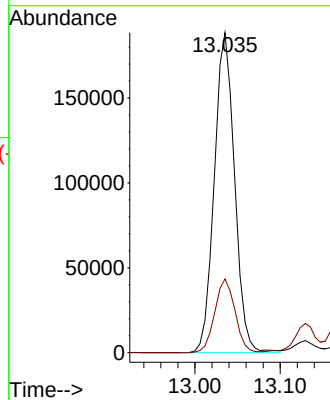
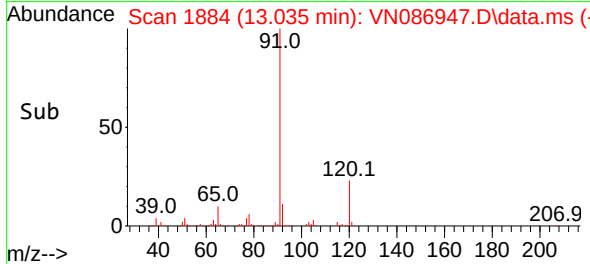
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



Tgt Ion: 91 Resp: 311450
Ion Ratio Lower Upper
91 100
120 23.1 11.4 34.2

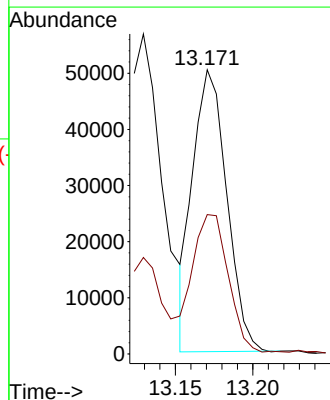
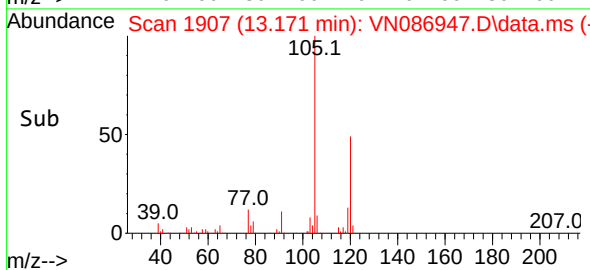
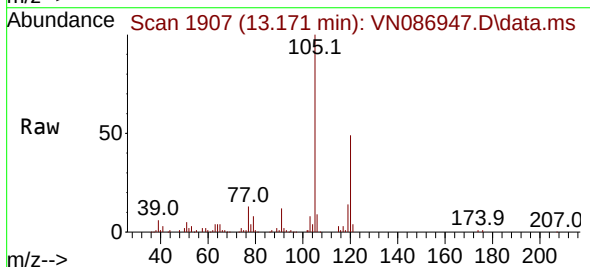
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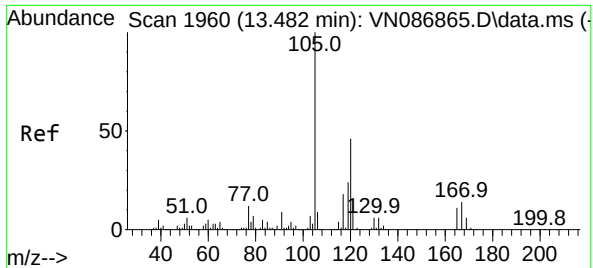
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#80
1,3,5-Trimethylbenzene
Concen: 4.739 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

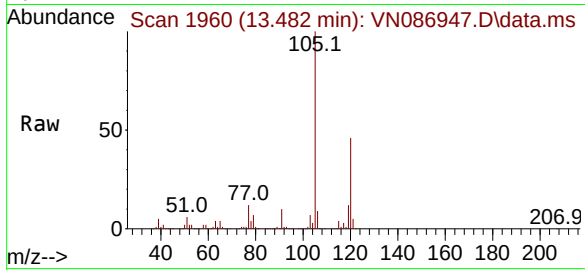
Tgt Ion:105 Resp: 76481
Ion Ratio Lower Upper
105 100
120 53.8 24.9 74.6





#84
1,2,4-Trimethylbenzene
Concen: 43.077 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

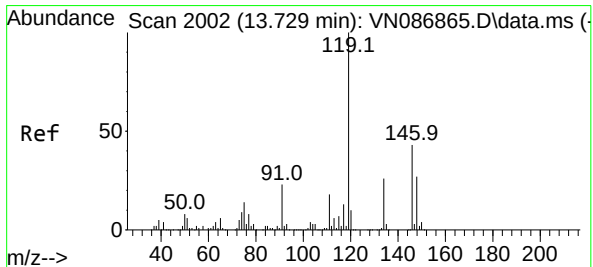
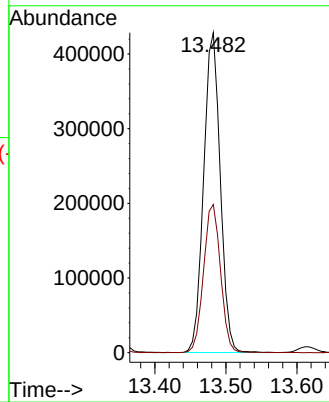
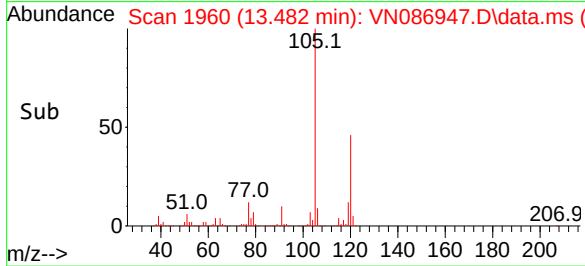
Instrument :
MSVOA_N
ClientSampleId :
MW-12-20250603DL



Tgt Ion:105 Resp: 697118
Ion Ratio Lower Upper
105 100
120 47.5 23.2 69.6

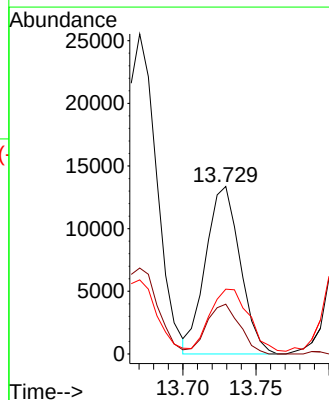
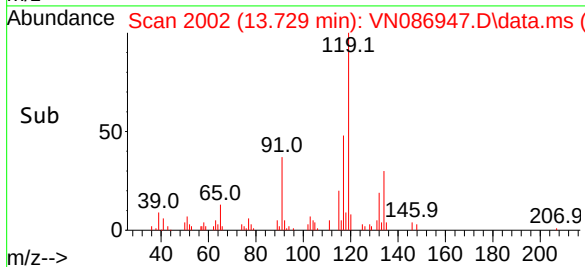
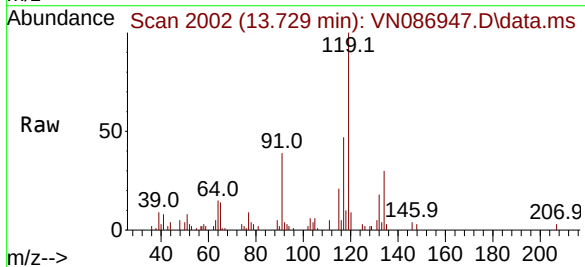
Manual Integrations
APPROVED

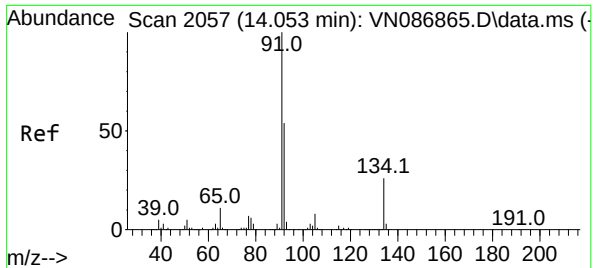
Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



#86
p-Isopropyltoluene
Concen: 1.237 ug/l m
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086947.D
Acq: 11 Jun 2025 14:44

Tgt Ion:119 Resp: 21934
Ion Ratio Lower Upper
119 100
134 52.8 13.5 40.4#
91 39.1 11.5 34.4#





#89

n-Butylbenzene

Concen: 0.982 ug/l m

RT: 14.053 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086947.D

Acq: 11 Jun 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-12-20250603DL

Tgt Ion: 91 Resp: 16870

Ion Ratio Lower Upper

91 100

92 0.0 27.5 82.4

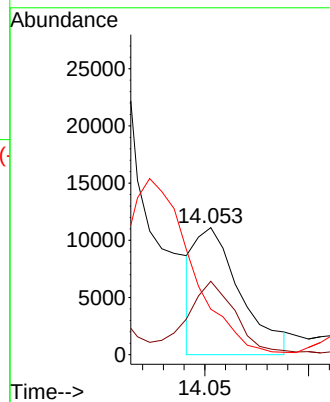
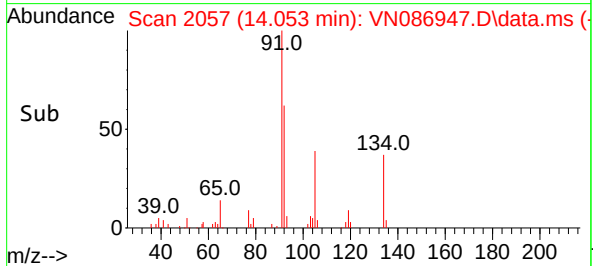
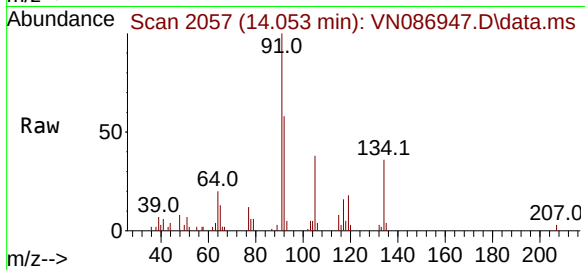
134 0.0 13.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/12/2025

Supervised By :Semsettin Yesilyurt 06/12/2025



Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/03/25	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/03/25	
Client Sample ID:	MW-130-20250603		SDG No.:	Q2202	
Lab Sample ID:	Q2202-04		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086952.D	1		06/11/25 16:35	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	2.00		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-130-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086952.D	1		06/11/25 16:35	VN061125

[illegible]

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-130-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086952.D	1		06/11/25 16:35	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
91-20-3	Naphthalene	0.26	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\VN061125\
 Data File : VN086952.D
 Acq On : 11 Jun 2025 16:35
 Operator : JC\MD
 Sample : Q2202-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-130-20250603

Quant Time: Jun 12 01:35:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

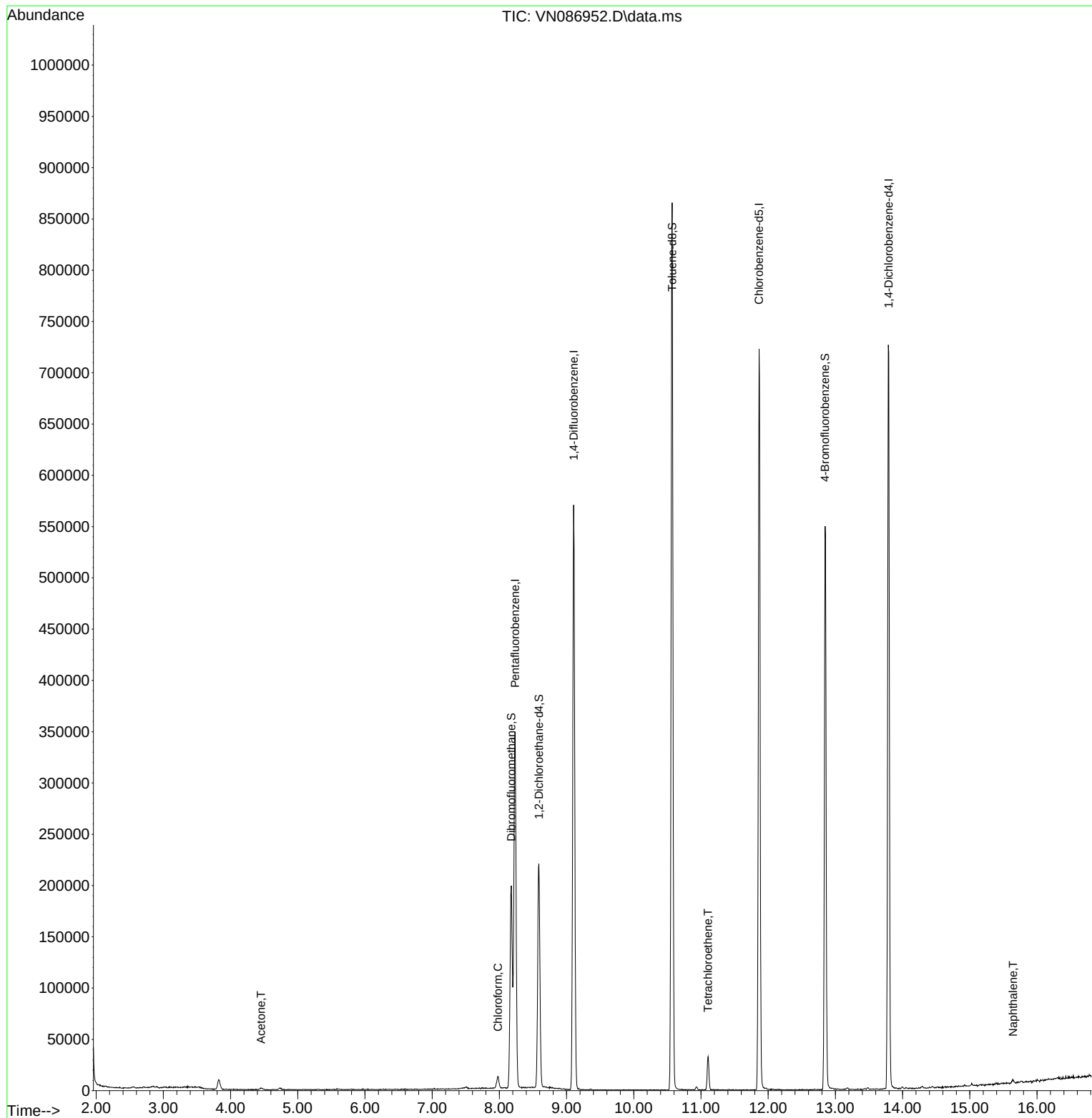
Internal Standards						
1) Pentafluorobenzene	8.235	168	281008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	529071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	457419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	181954	48.361	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.720%
35) Dibromofluoromethane	8.177	113	153628	48.998	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.000%
50) Toluene-d8	10.571	98	636565	51.285	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.580%
62) 4-Bromofluorobenzene	12.847	95	225261	48.848	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.700%
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	3062	1.535	ug/l #	86
30) Chloroform	7.977	83	12390	1.972	ug/l	96
64) Tetrachloroethene	11.106	164	8172	2.823	ug/l	96
95) Naphthalene	15.647	128	4328	0.264	ug/l #	95

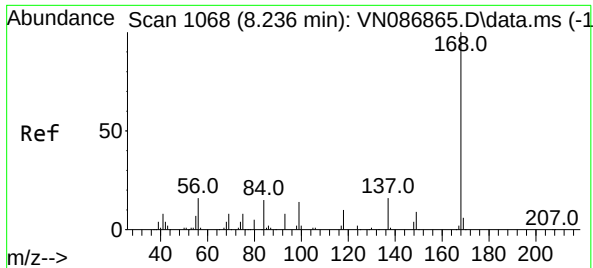
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086952.D
Acq On : 11 Jun 2025 16:35
Operator : JC\MD
Sample : Q2202-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-130-20250603

Quant Time: Jun 12 01:35:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

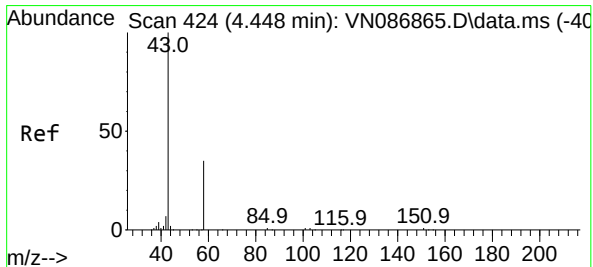
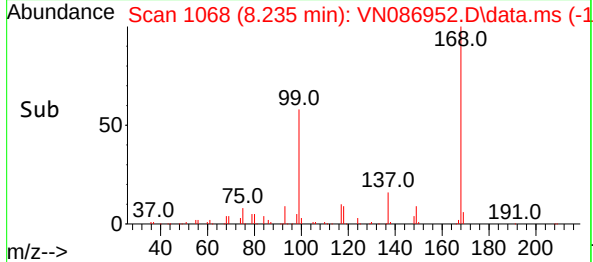
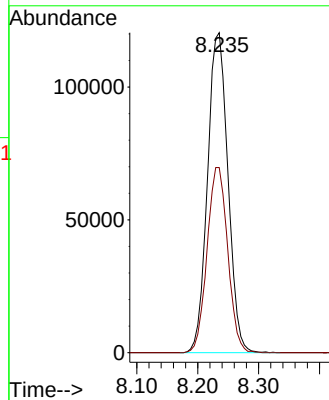
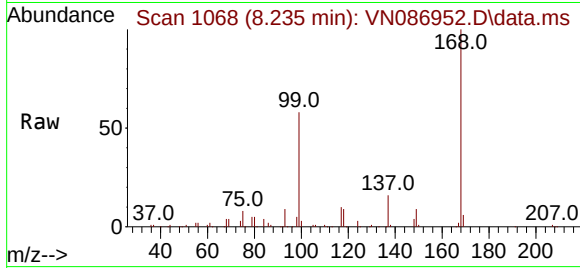




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

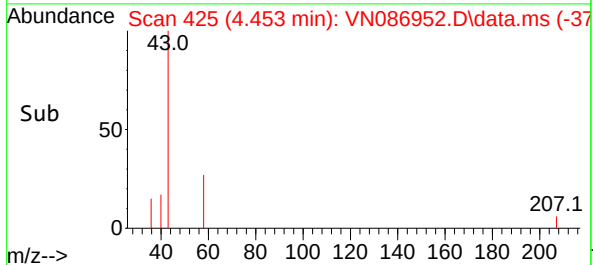
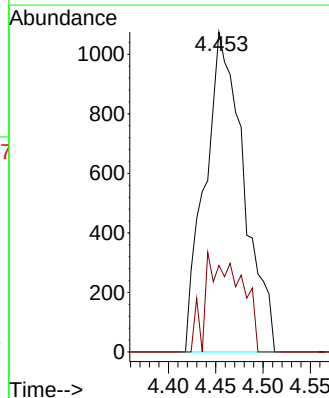
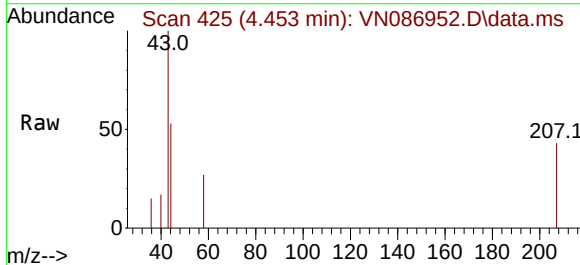
Instrument :
MSVOA_N
ClientSampleId :
MW-130-20250603

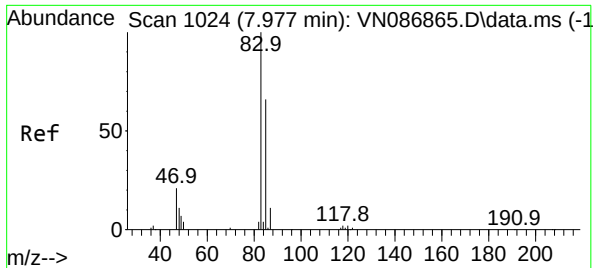
Tgt Ion:168 Resp: 281008
Ion Ratio Lower Upper
168 100
99 57.9 49.1 73.7



#16
Acetone
Concen: 1.535 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 43 Resp: 3062
Ion Ratio Lower Upper
43 100
58 27.1 28.0 42.0#





#30

Chloroform

Concen: 1.972 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. -0.000 min

Lab File: VN086952.D

Acq: 11 Jun 2025 16:35

Instrument :

MSVOA_N

ClientSampleId :

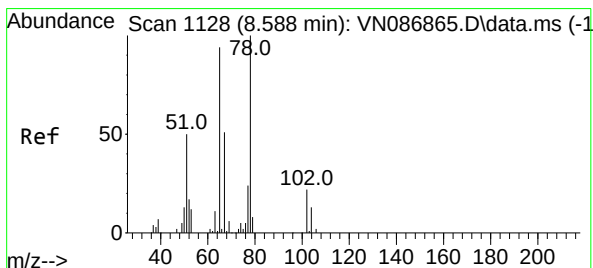
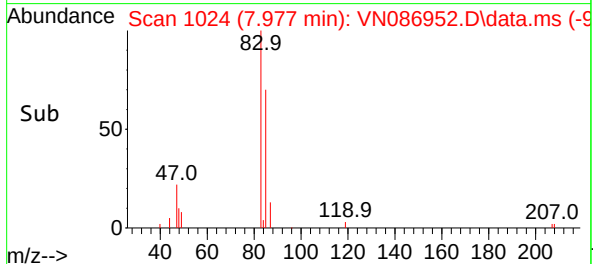
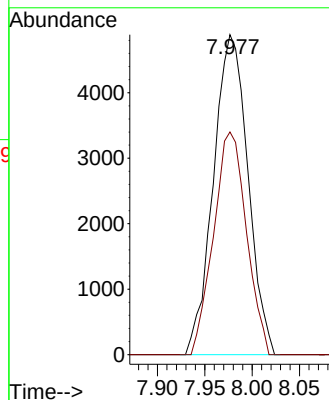
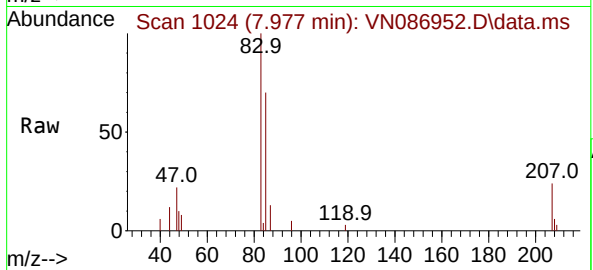
MW-130-20250603

Tgt Ion: 83 Resp: 12390

Ion Ratio Lower Upper

83 100

85 69.6 52.9 79.3



#33

1,2-Dichloroethane-d4

Concen: 48.361 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086952.D

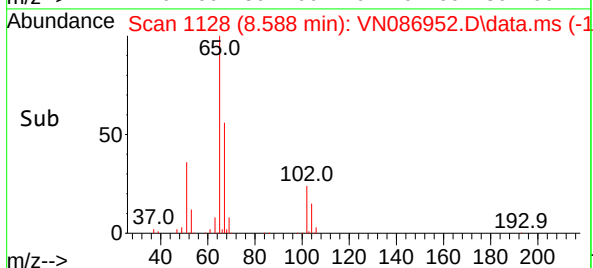
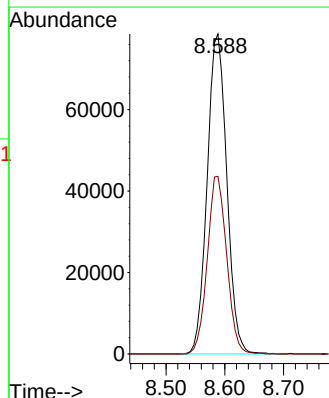
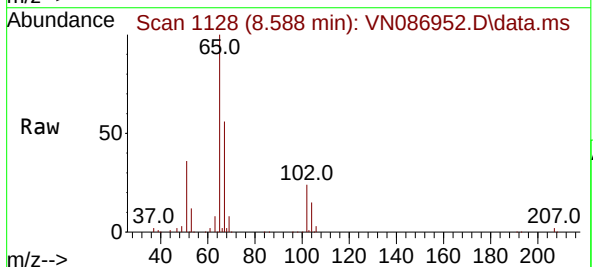
Acq: 11 Jun 2025 16:35

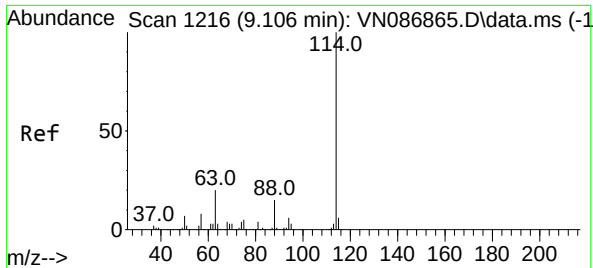
Tgt Ion: 65 Resp: 181954

Ion Ratio Lower Upper

65 100

67 54.9 0.0 105.6

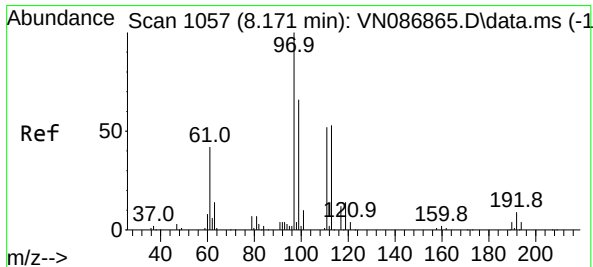
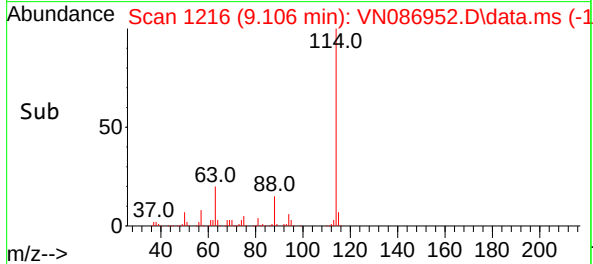
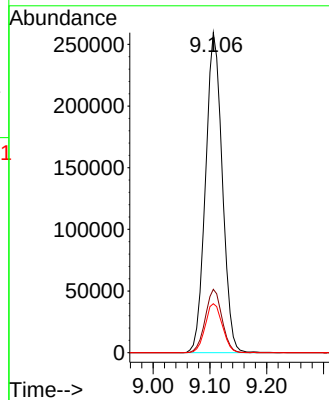
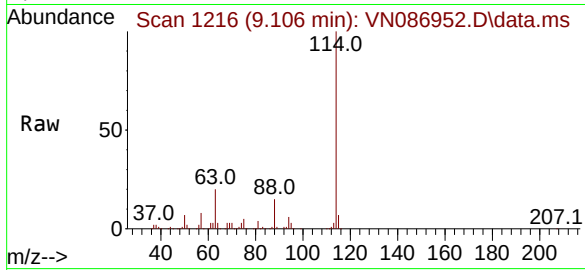




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

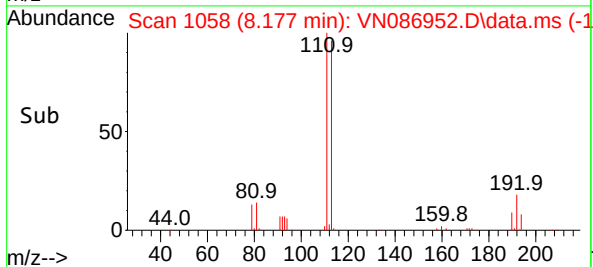
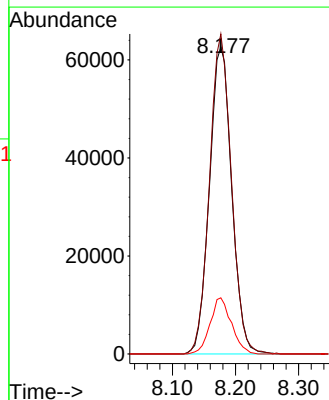
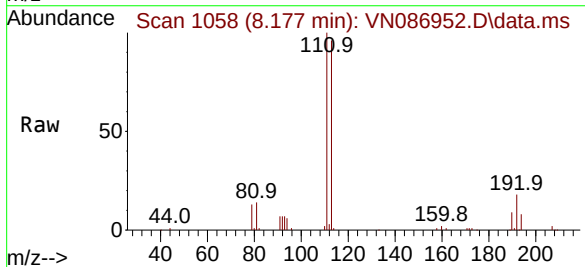
Instrument :
MSVOA_N
ClientSampleId :
MW-130-20250603

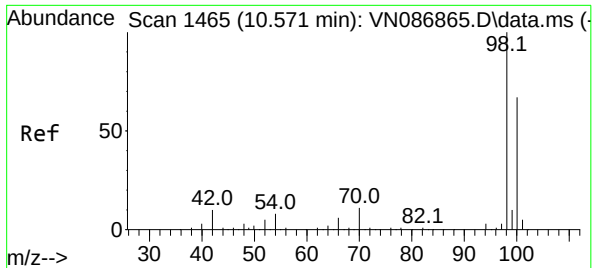
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.3	0.0	30.2



#35
Dibromofluoromethane
Concen: 48.998 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	84.2	126.2
192	17.5	14.2	21.4

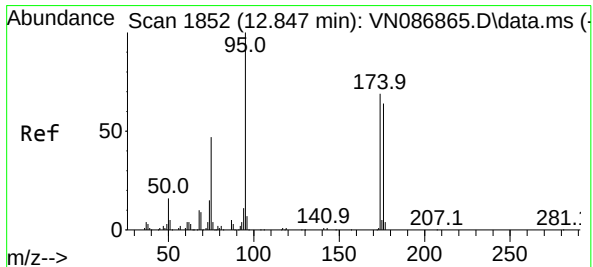
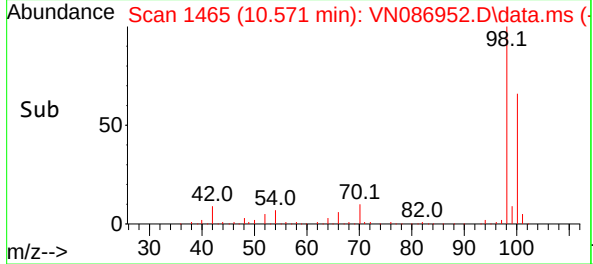
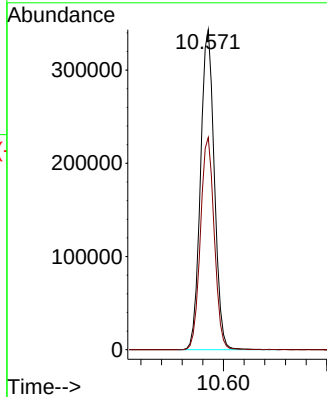
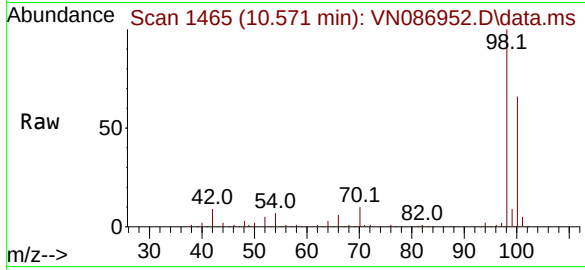




#50
Toluene-d8
Concen: 51.285 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

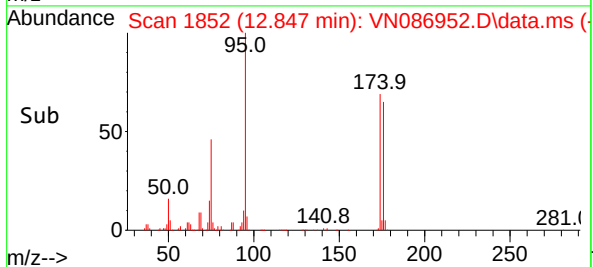
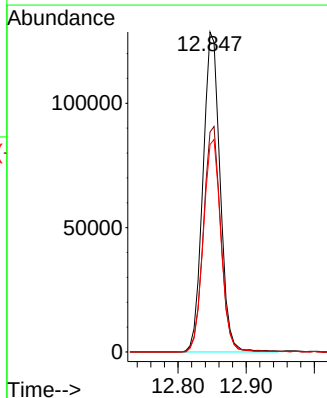
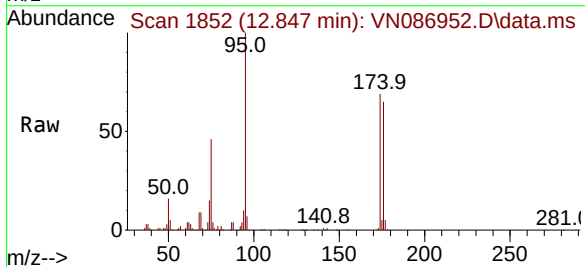
Instrument :
MSVOA_N
ClientSampleId :
MW-130-20250603

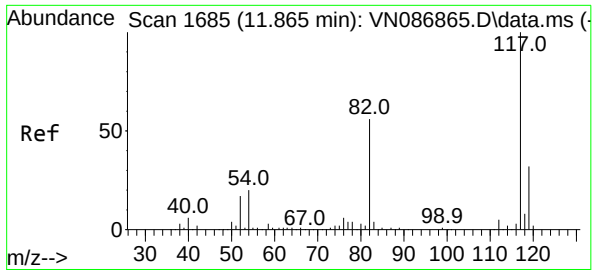
Tgt Ion: 98 Resp: 636565
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 48.848 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion: 95 Resp: 225261
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.8
176 68.2 0.0 132.6

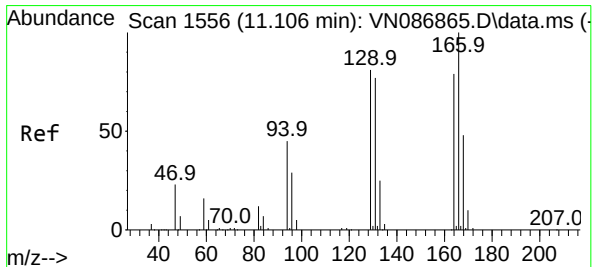
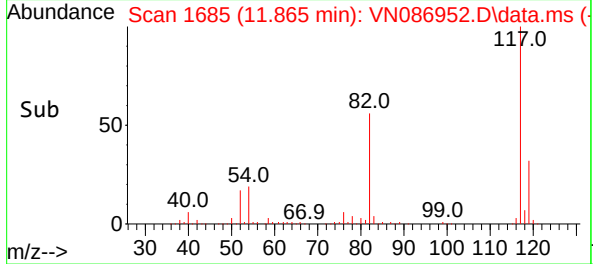
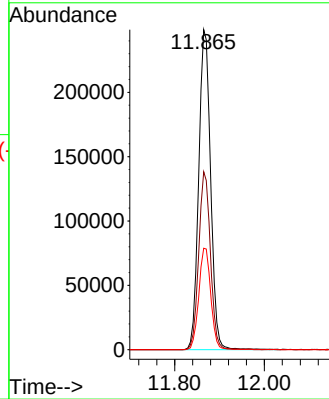
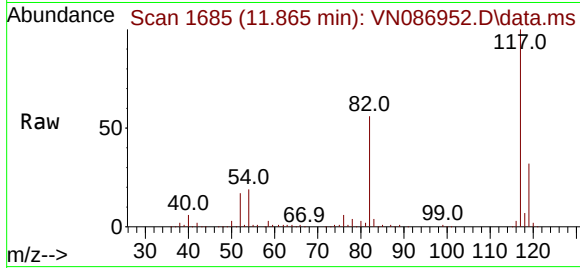




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

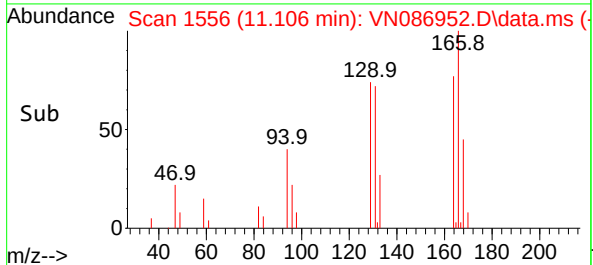
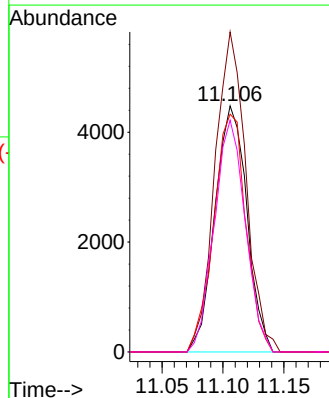
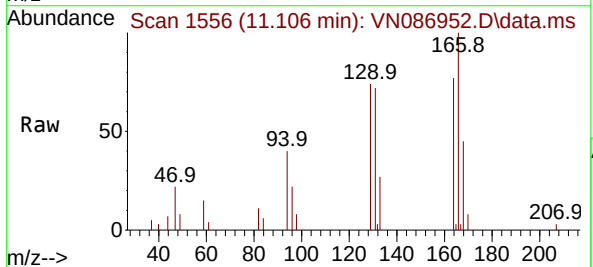
Instrument :
MSVOA_N
ClientSampleId :
MW-130-20250603

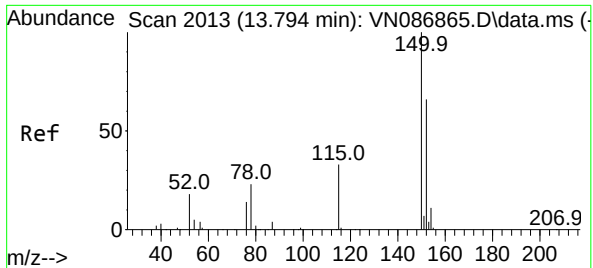
Tgt Ion:117 Resp: 457419
Ion Ratio Lower Upper
117 100
82 55.6 44.6 67.0
119 31.7 25.5 38.3



#64
Tetrachloroethene
Concen: 2.823 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086952.D
Acq: 11 Jun 2025 16:35

Tgt Ion:164 Resp: 8172
Ion Ratio Lower Upper
164 100
166 130.1 101.8 152.8
129 96.7 83.0 124.4
131 94.2 78.2 117.2

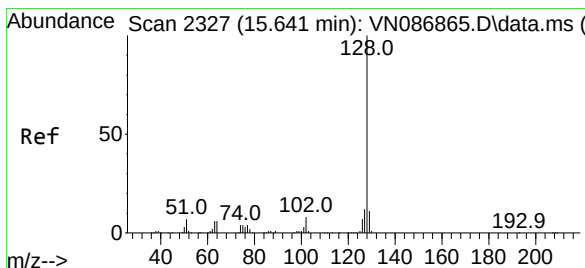
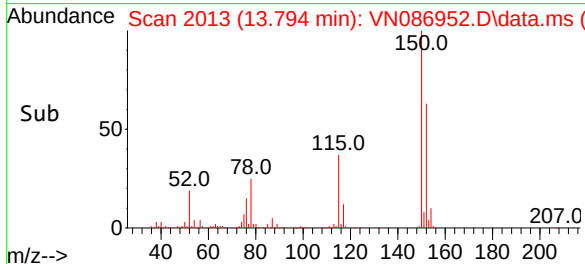
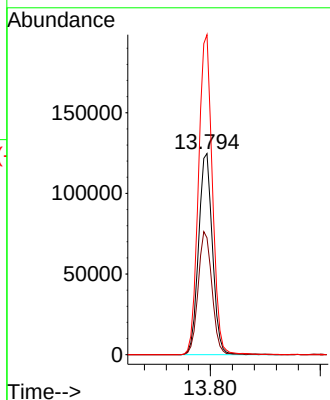
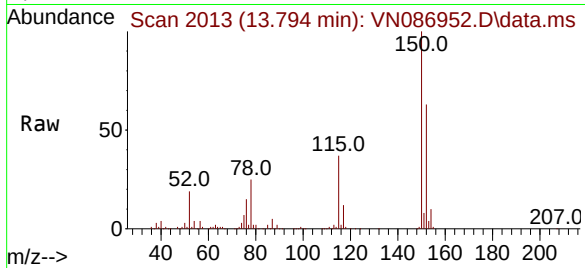




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN086952.D
 Acq: 11 Jun 2025 16:35

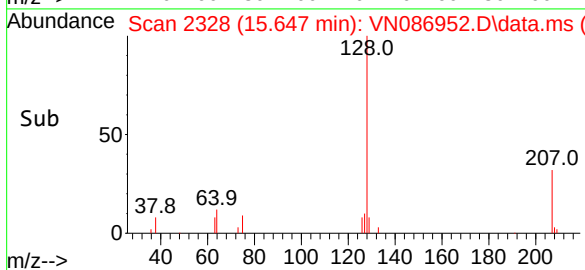
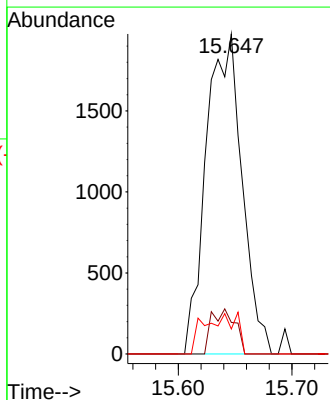
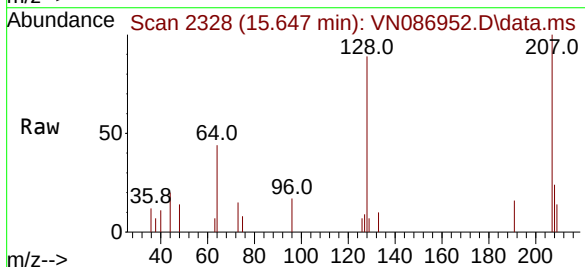
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-130-20250603

Tgt Ion:152 Resp: 218595
 Ion Ratio Lower Upper
 152 100
 115 61.0 30.1 90.5
 150 159.4 0.0 345.0



#95
 Naphthalene
 Concen: 0.264 ug/l
 RT: 15.647 min Scan# 2328
 Delta R.T. 0.006 min
 Lab File: VN086952.D
 Acq: 11 Jun 2025 16:35

Tgt Ion:128 Resp: 4328
 Ion Ratio Lower Upper
 128 100
 127 9.2 10.2 15.2#
 129 11.6 8.8 13.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086952.D
Acq On : 11 Jun 2025 16:35
Operator : JC\MD
Sample : Q2202-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-130-20250603

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\82N060625W.M

Title : SW846 8260

Signal : TIC: VN086952.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.824	310	318	328	rVB2	9556	26402	1.64%	0.320%
2	7.977	1016	1024	1032	rBV	11386	26980	1.67%	0.327%
3	8.177	1047	1058	1062	rBV	197643	470032	29.12%	5.695%
4	8.230	1062	1067	1083	rVB	346957	820377	50.83%	9.939%
5	8.588	1119	1128	1140	rBV	217816	498635	30.90%	6.041%
6	9.106	1207	1216	1227	rBV	570236	1167203	72.32%	14.141%
7	10.571	1456	1465	1483	rBV	865228	1613921	100.00%	19.553%
8	11.106	1550	1556	1563	rBV2	32215	58396	3.62%	0.707%
9	11.865	1677	1685	1696	rBV	722640	1314465	81.45%	15.925%
10	12.847	1845	1852	1865	rBV	549332	974418	60.38%	11.805%
11	13.788	2005	2012	2022	rBV	725272	1283291	79.51%	15.547%

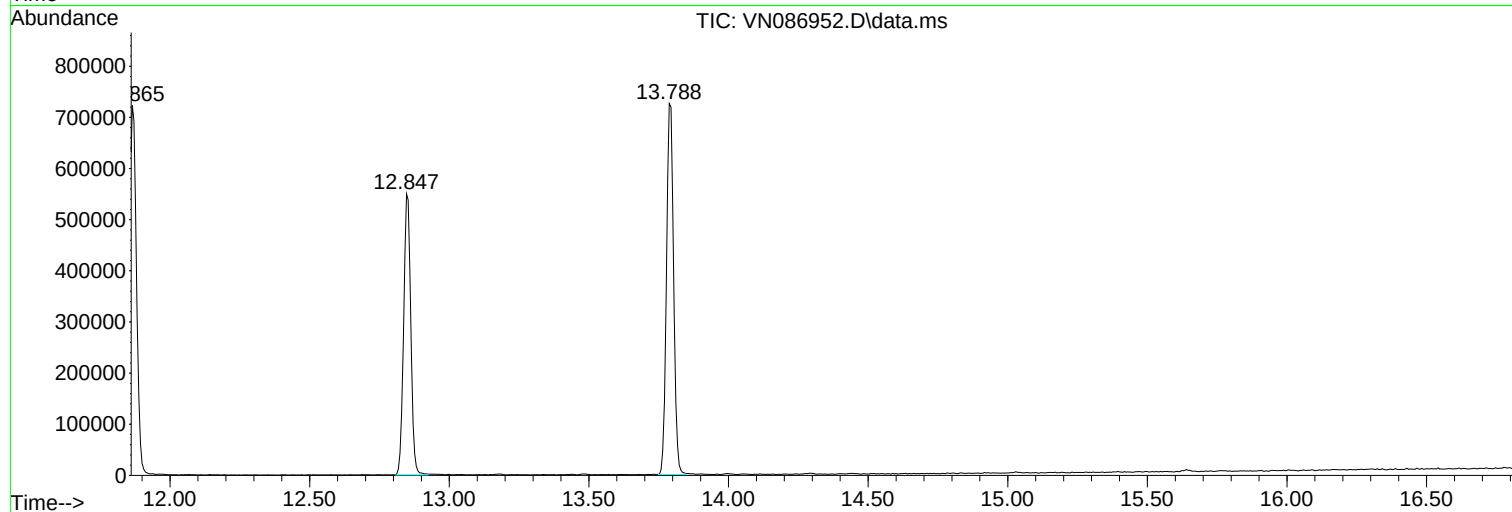
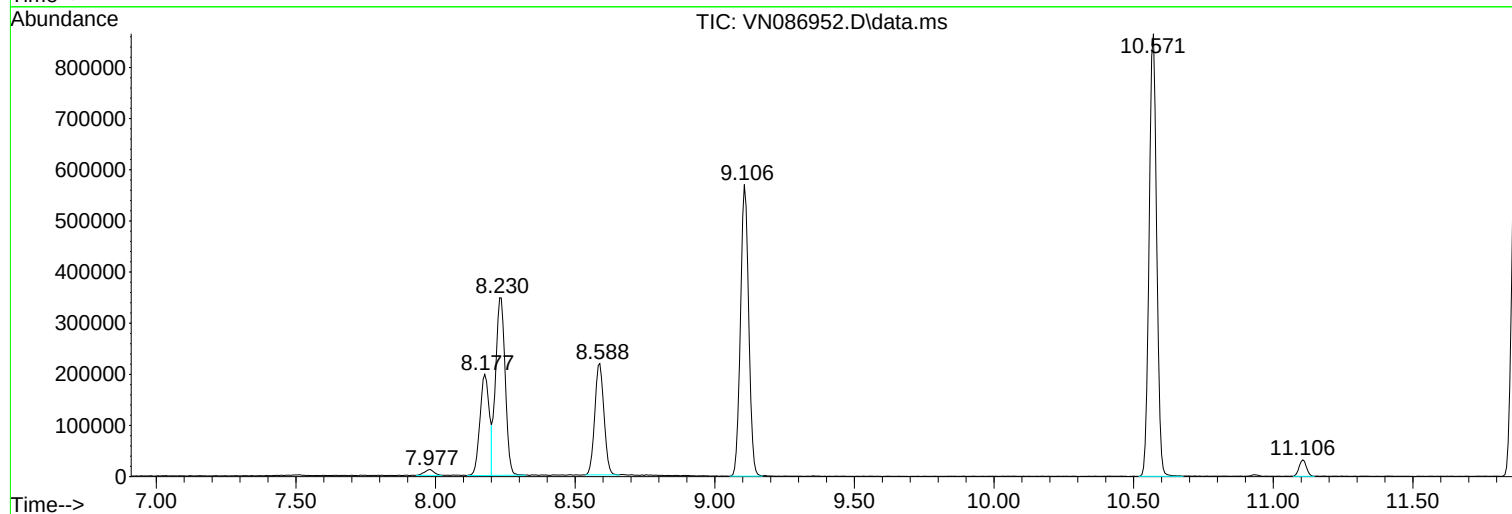
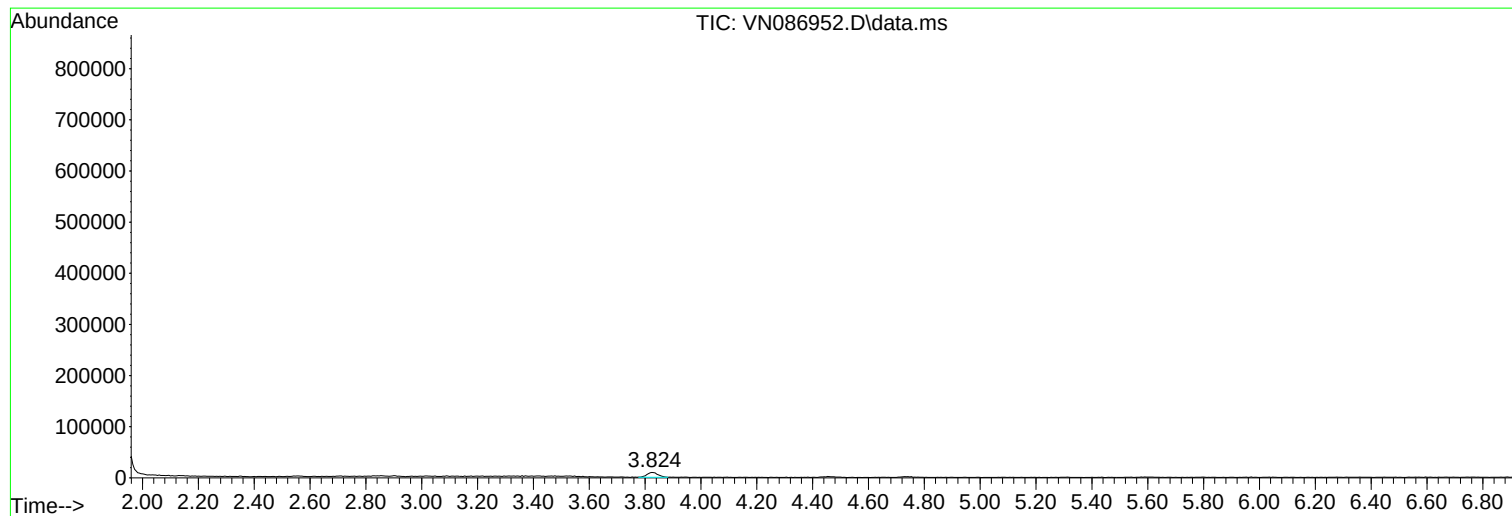
Sum of corrected areas: 8254120

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086952.D
Acq On : 11 Jun 2025 16:35
Operator : JC\MD
Sample : Q2202-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-130-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086952.D
Acq On : 11 Jun 2025 16:35
Operator : JC\MD
Sample : Q2202-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-130-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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\VN061125\
Data File : VN086952.D
Acq On : 11 Jun 2025 16:35
Operator : JC\MD
Sample : Q2202-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-130-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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 Engineering of New York, Inc.		Date Collected:	06/03/25	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/03/25	
Client Sample ID:	MW-1A-20250603		SDG No.:	Q2202	
Lab Sample ID:	Q2202-05		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086951.D	1		06/11/25 16:12	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	4.40	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	1.20	J	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.50		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	2.20		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.85	J	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	06/03/25
Client Sample ID:	MW-1A-20250603	SDG No.:	Q2202
Lab Sample ID:	Q2202-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086951.D	1		06/11/25 16:12	VN061125

[illegible]

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05			Date Received:	06/03/25
Client Sample ID:	MW-1A-20250603			SDG No.:	Q2202
Lab Sample ID:	Q2202-05			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086951.D	1		06/11/25 16:12	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
91-20-3	Naphthalene	0.34	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\VN061125\
 Data File : VN086951.D
 Acq On : 11 Jun 2025 16:12
 Operator : JC\MD
 Sample : Q2202-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1A-20250603

Quant Time: Jun 12 01:34:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

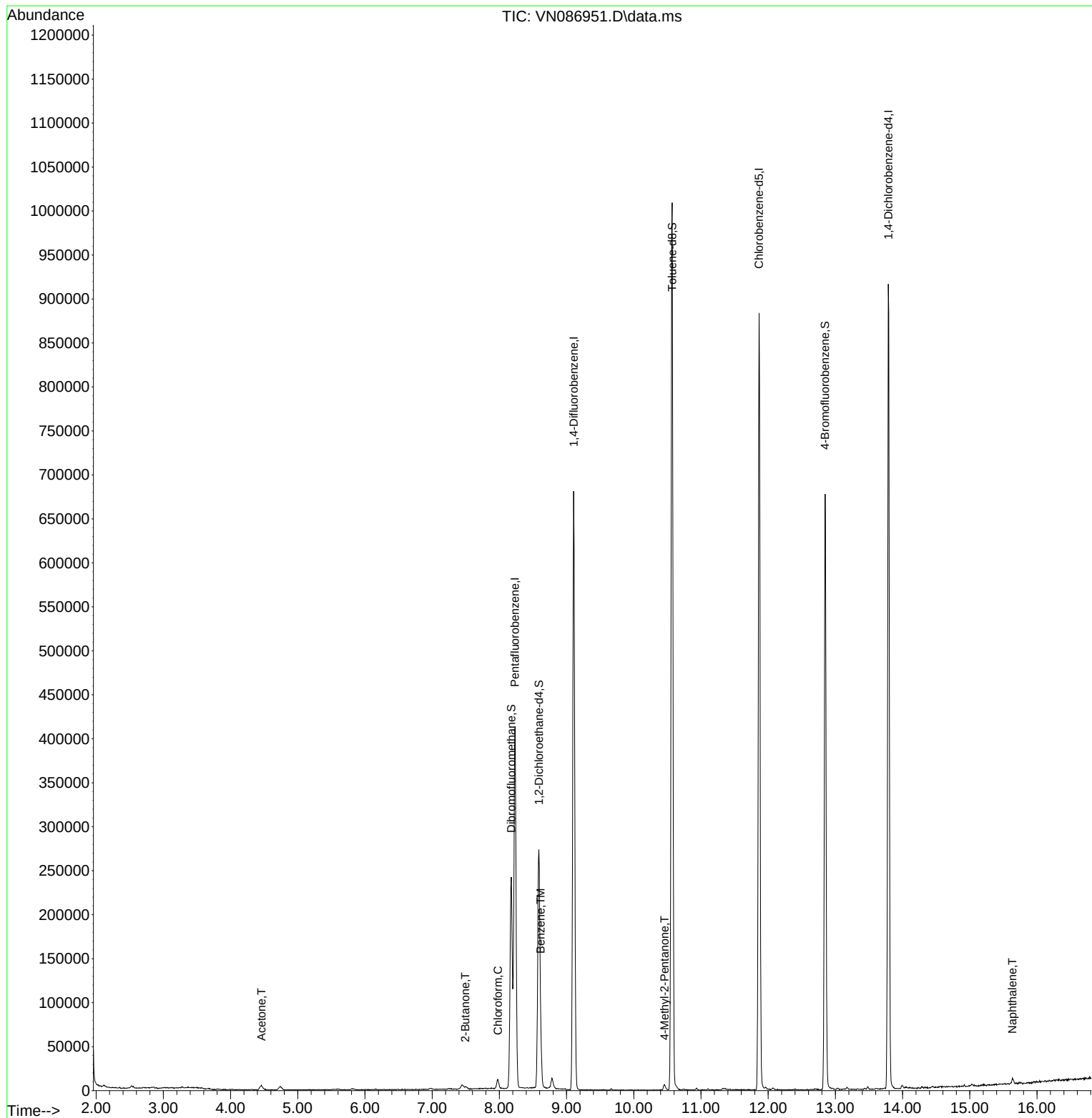
Internal Standards						
1) Pentafluorobenzene	8.230	168	321797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	621476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	553688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	263952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	218323	50.673	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.340%		
35) Dibromofluoromethane	8.177	113	184149	50.000	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.000%		
50) Toluene-d8	10.571	98	757581	51.960	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.920%		
62) 4-Bromofluorobenzene	12.847	95	269513	49.754	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 99.500%		
Target Compounds						Qvalue
16) Acetone	4.459	43	9954	4.357	ug/l #	88
25) 2-Butanone	7.494	43	4627	1.246	ug/l	92
30) Chloroform	7.977	83	10460	1.454	ug/l	100
40) Benzene	8.612	78	39761	2.216	ug/l	100
51) 4-Methyl-2-Pentanone	10.459	43	5703	0.845	ug/l	99
95) Naphthalene	15.635	128	6799	0.343	ug/l	97

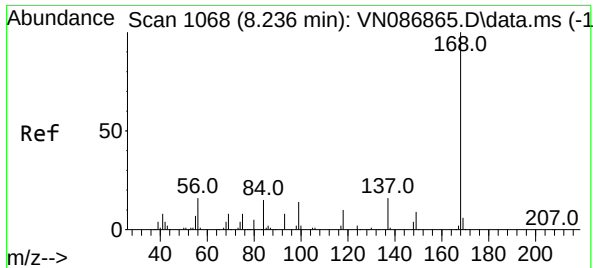
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086951.D
Acq On : 11 Jun 2025 16:12
Operator : JC\MD
Sample : Q2202-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

Quant Time: Jun 12 01:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

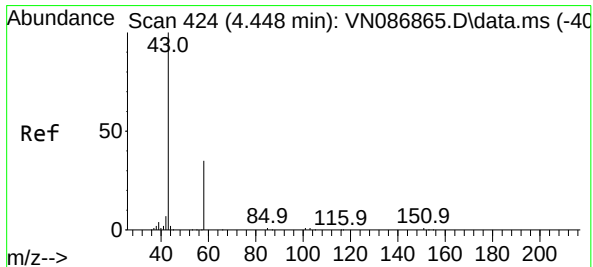
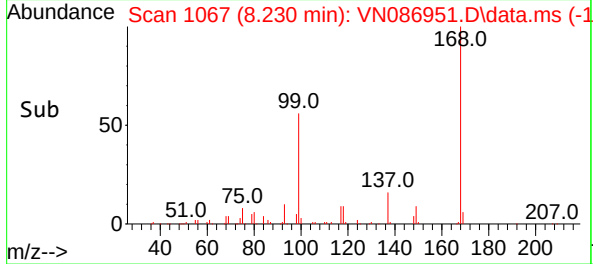
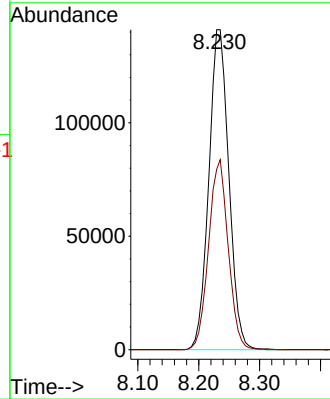
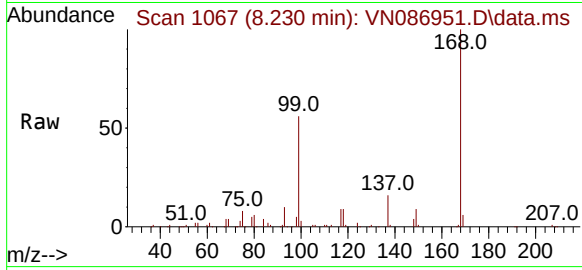




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

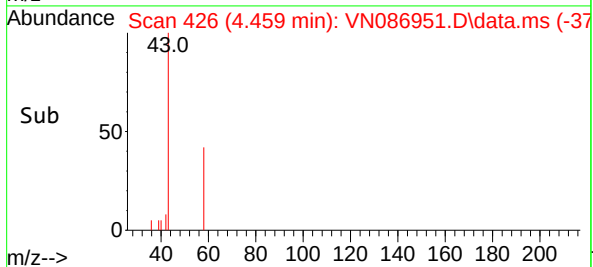
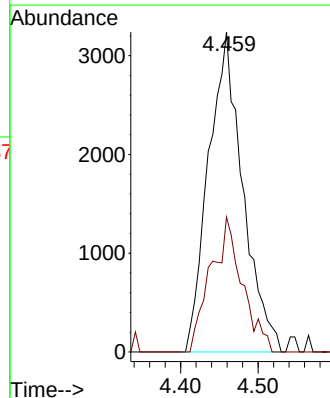
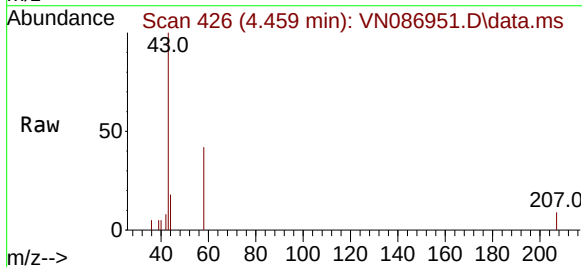
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

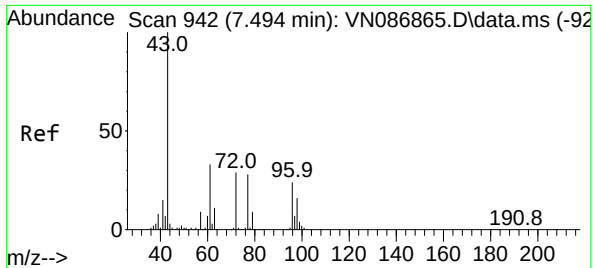
Tgt Ion:168 Resp: 321797
Ion Ratio Lower Upper
168 100
99 56.4 49.1 73.7



#16
Acetone
Concen: 4.357 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 43 Resp: 9954
Ion Ratio Lower Upper
43 100
58 42.2 28.0 42.0#

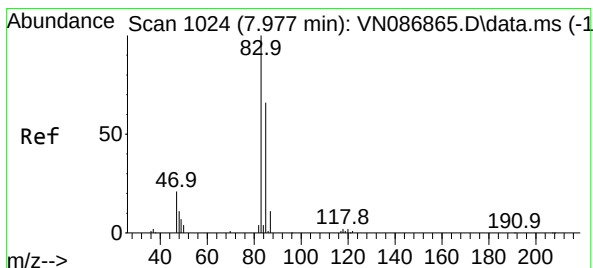
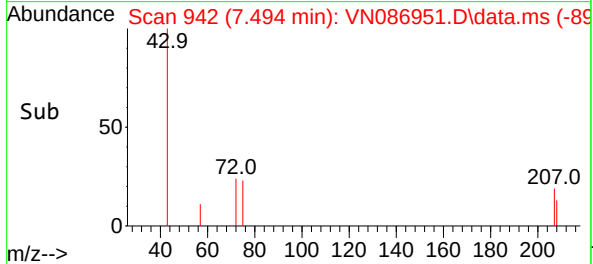
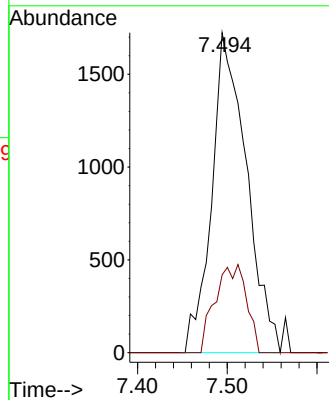
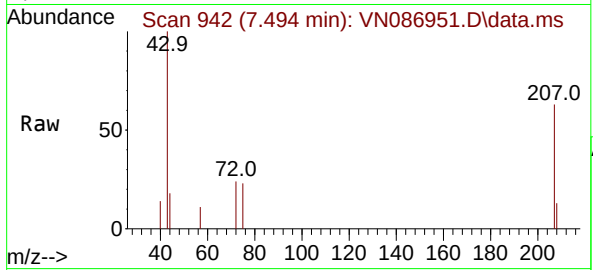




#25
2-Butanone
Concen: 1.246 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

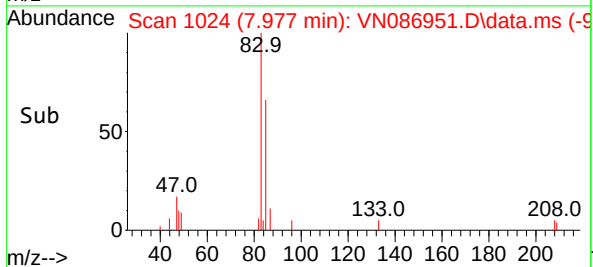
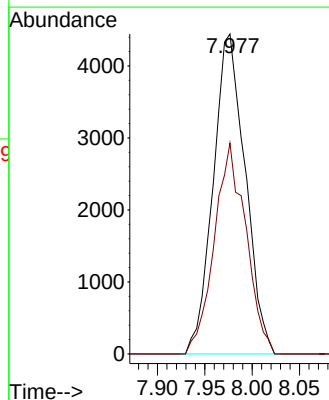
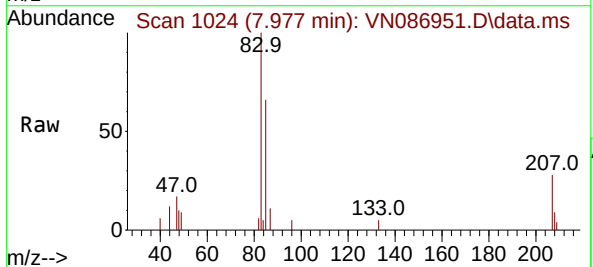
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

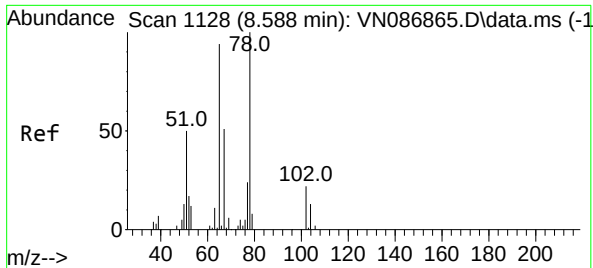
Tgt Ion: 43 Resp: 4627
Ion Ratio Lower Upper
43 100
72 24.4 23.0 34.6



#30
Chloroform
Concen: 1.454 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 83 Resp: 10460
Ion Ratio Lower Upper
83 100
85 65.9 52.9 79.3





#33

1,2-Dichloroethane-d4

Concen: 50.673 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

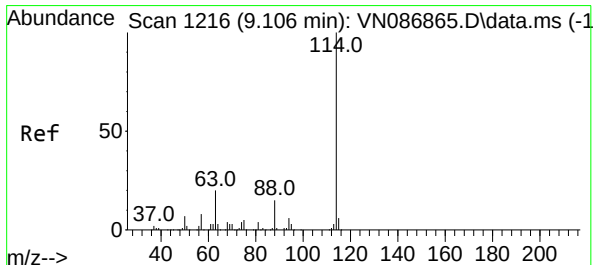
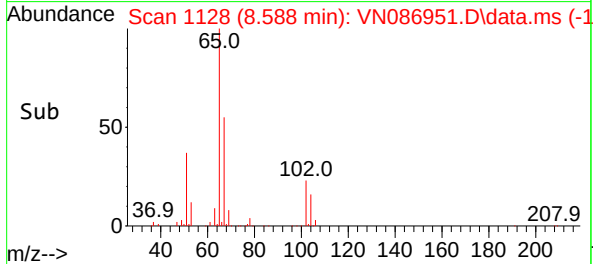
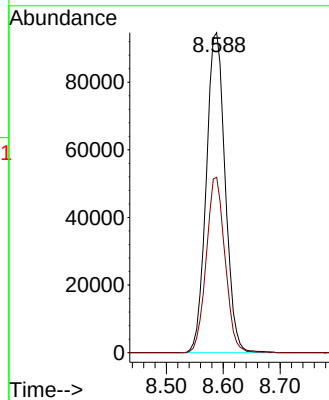
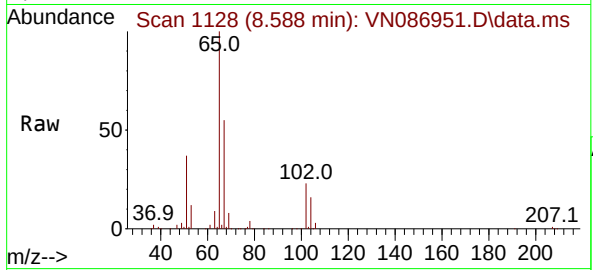
MW-1A-20250603

Tgt Ion: 65 Resp: 218323

Ion Ratio Lower Upper

65 100

67 54.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

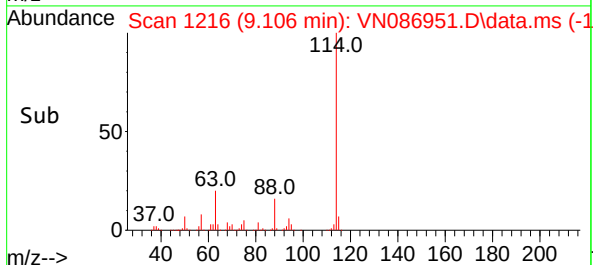
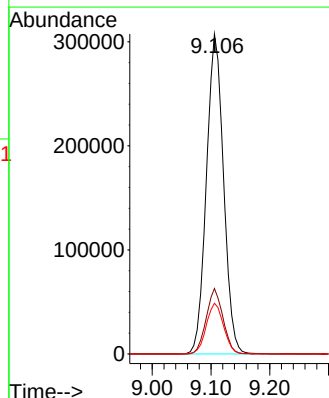
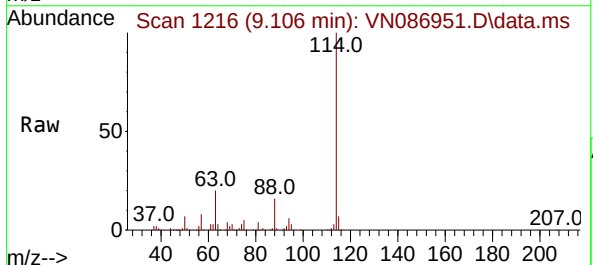
Tgt Ion: 114 Resp: 621476

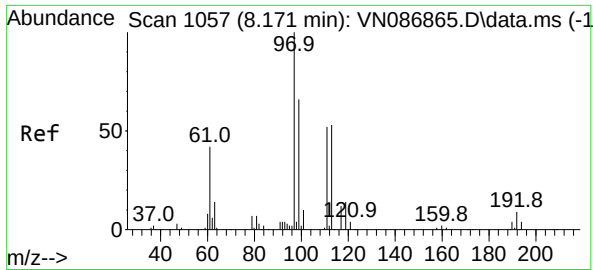
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 8.177 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VN086951.D

Acq: 11 Jun 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

MW-1A-20250603

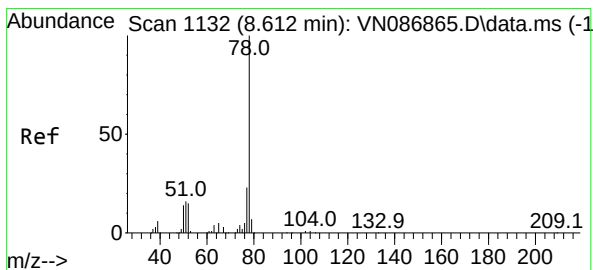
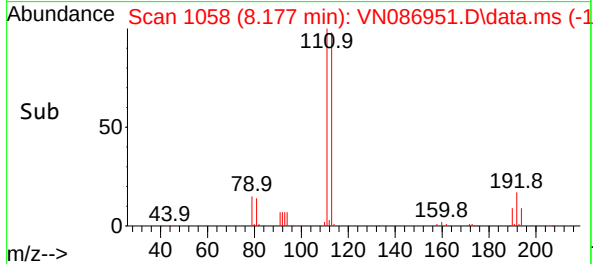
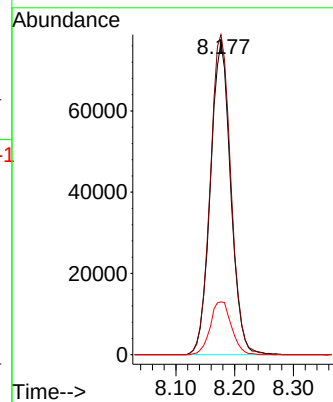
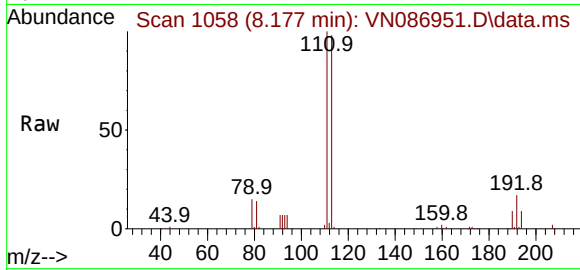
Tgt Ion:113 Resp: 184149

Ion Ratio Lower Upper

113 100

111 103.9 84.2 126.2

192 17.7 14.2 21.4



#40

Benzene

Concen: 2.216 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN086951.D

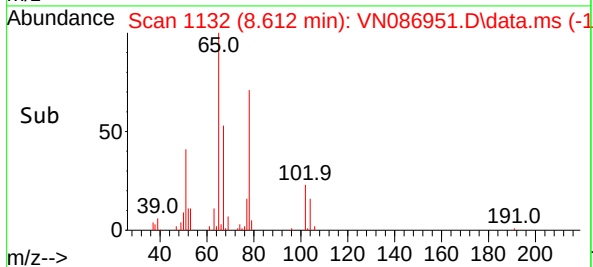
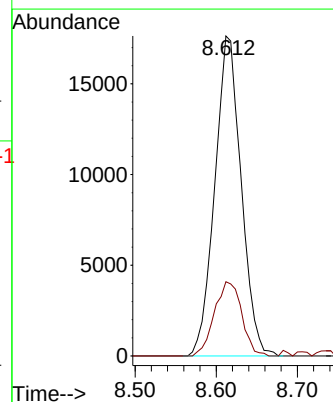
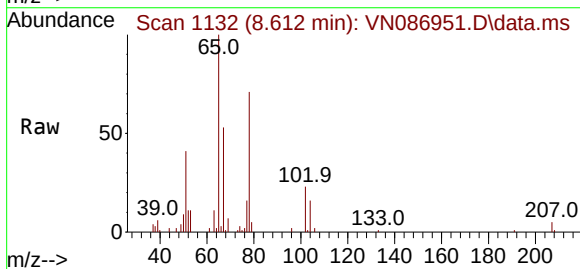
Acq: 11 Jun 2025 16:12

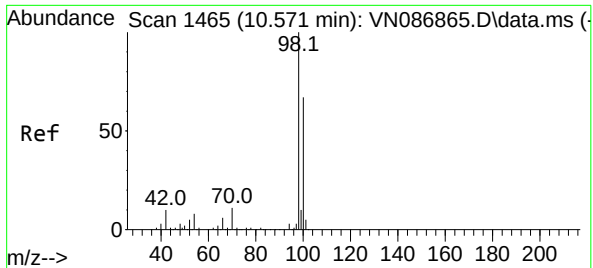
Tgt Ion: 78 Resp: 39761

Ion Ratio Lower Upper

78 100

77 23.2 18.7 28.1

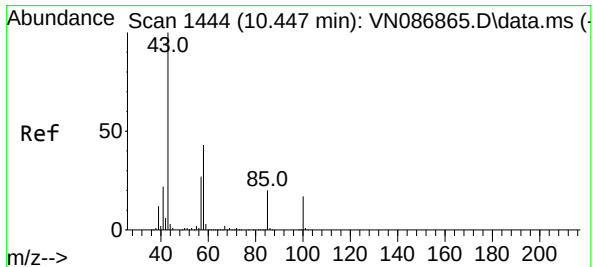
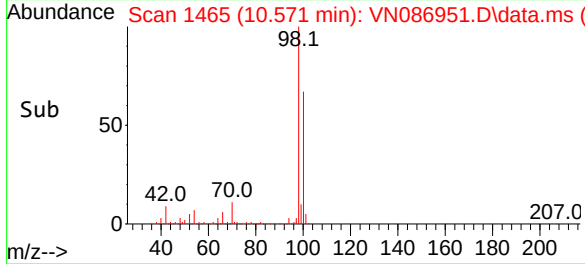
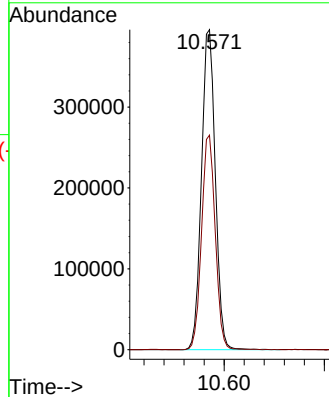
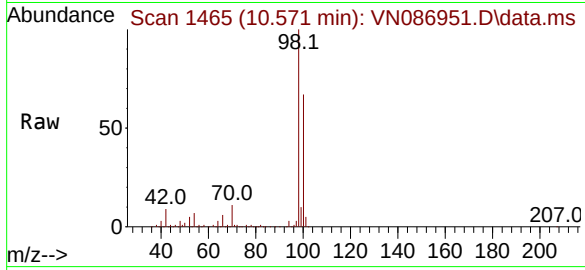




#50
Toluene-d8
Concen: 51.960 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

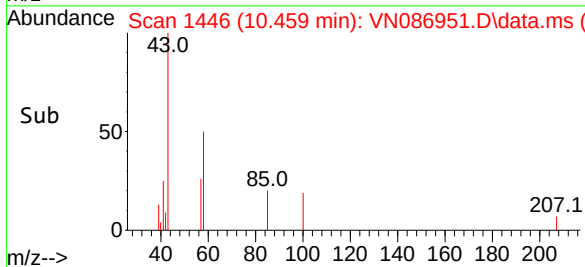
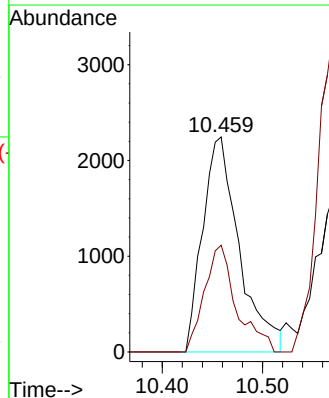
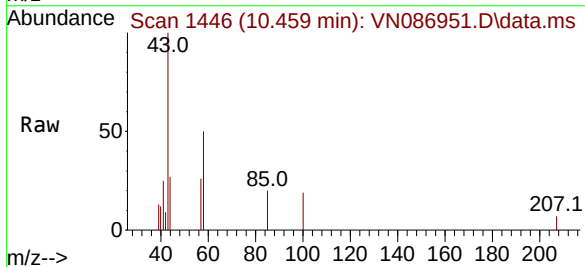
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

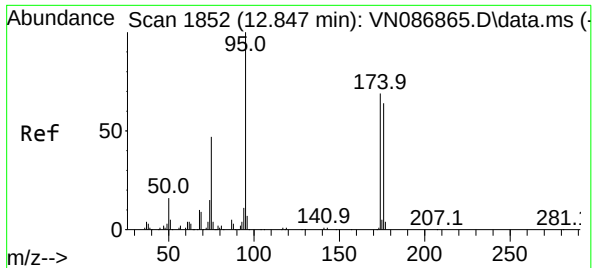
Tgt Ion: 98 Resp: 757581
Ion Ratio Lower Upper
98 100
100 66.3 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.845 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 43 Resp: 5703
Ion Ratio Lower Upper
43 100
58 43.5 34.2 51.4

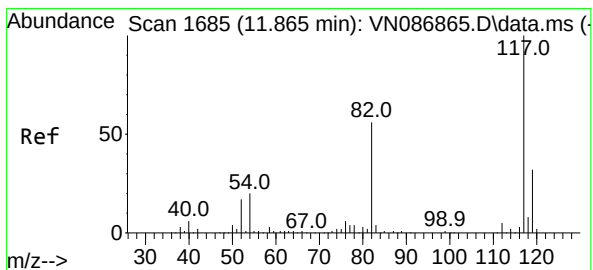
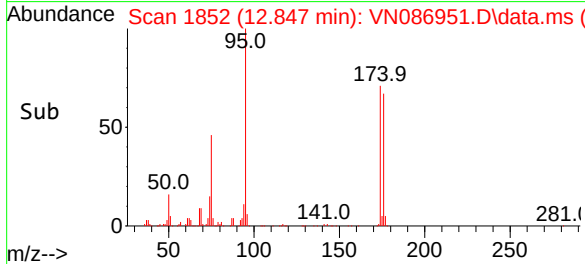
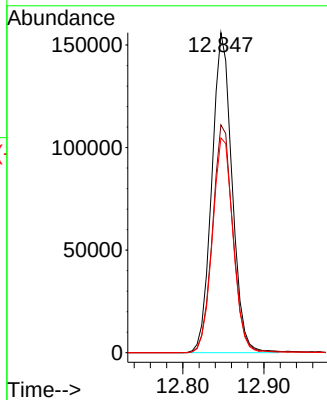
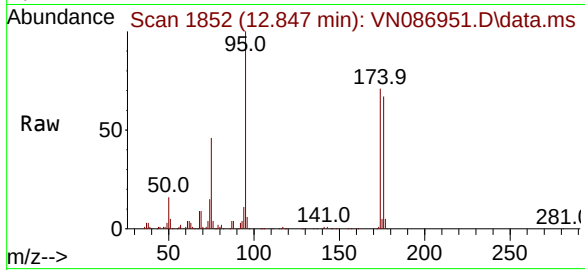




#62
4-Bromofluorobenzene
Concen: 49.754 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

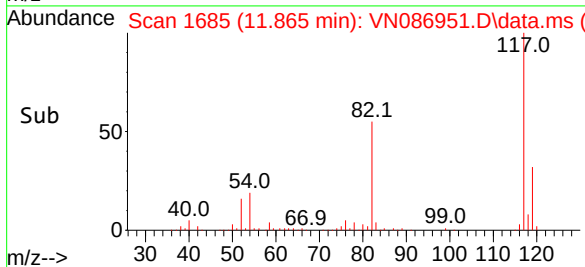
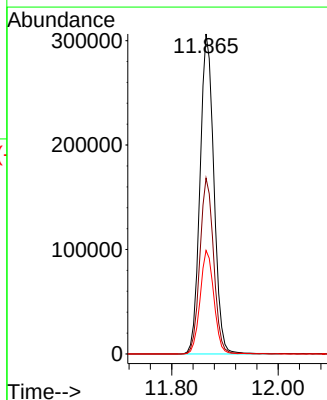
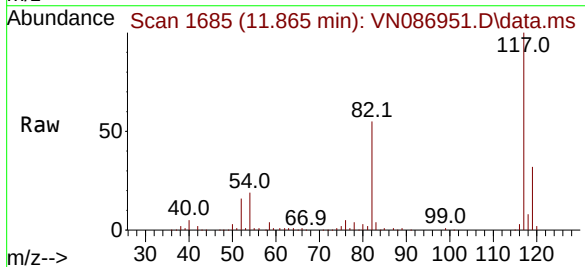
Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

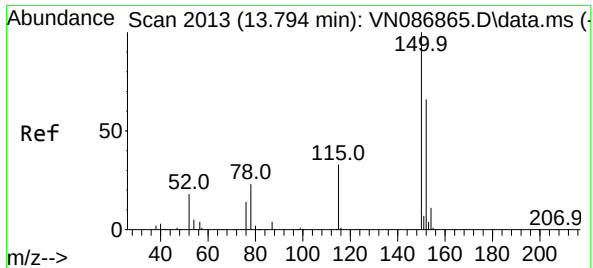
Tgt Ion: 95 Resp: 269513
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 69.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086951.D
Acq: 11 Jun 2025 16:12

Tgt Ion: 117 Resp: 553688
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 32.4 25.5 38.3

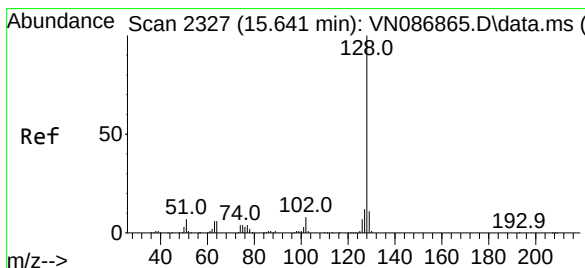
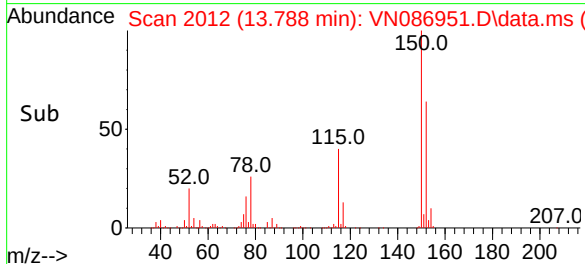
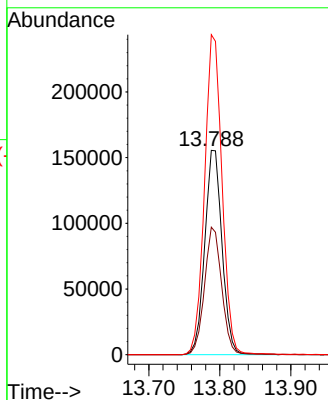
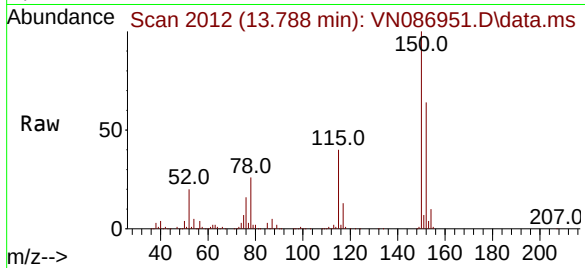




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN086951.D
 Acq: 11 Jun 2025 16:12

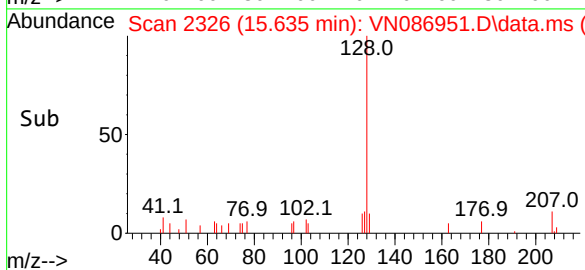
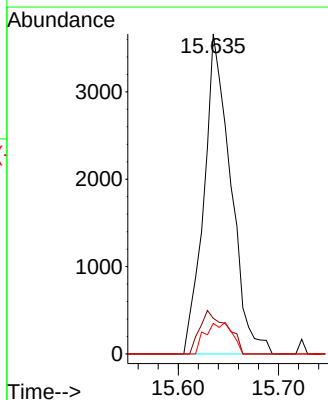
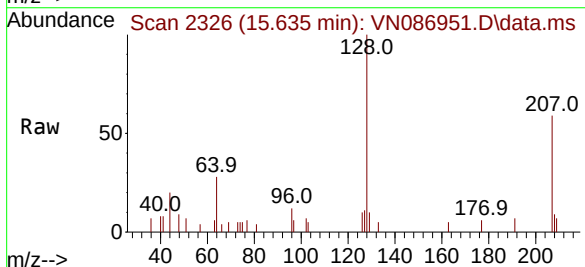
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1A-20250603

Tgt Ion:152 Resp: 263952
 Ion Ratio Lower Upper
 152 100
 115 62.1 30.1 90.5
 150 158.0 0.0 345.0



#95
 Naphthalene
 Concen: 0.343 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.006 min
 Lab File: VN086951.D
 Acq: 11 Jun 2025 16:12

Tgt Ion:128 Resp: 6799
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.2 15.2
 129 9.8 8.8 13.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086951.D
Acq On : 11 Jun 2025 16:12
Operator : JC\MD
Sample : Q2202-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

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\82N060625W.M

Title : SW846 8260

Signal : TIC: VN086951.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.977	1016	1024	1031	rBV2	10797	25064	1.30%	0.254%
2	8.177	1046	1058	1062	rBV	240376	566465	29.37%	5.743%
3	8.235	1062	1068	1079	rVB	410539	935322	48.50%	9.483%
4	8.588	1119	1128	1142	rBV2	270499	683872	35.46%	6.933%
5	8.782	1154	1161	1171	rVB3	12228	29946	1.55%	0.304%
6	9.106	1207	1216	1230	rBV	680835	1373327	71.21%	13.923%
7	10.571	1456	1465	1483	rVV	1008586	1928588	100.00%	19.553%
8	11.865	1677	1685	1698	rBV	883260	1592756	82.59%	16.148%
9	12.847	1845	1852	1864	rBV	676910	1178891	61.13%	11.952%
10	13.788	2005	2012	2030	rVB	914734	1549405	80.34%	15.708%

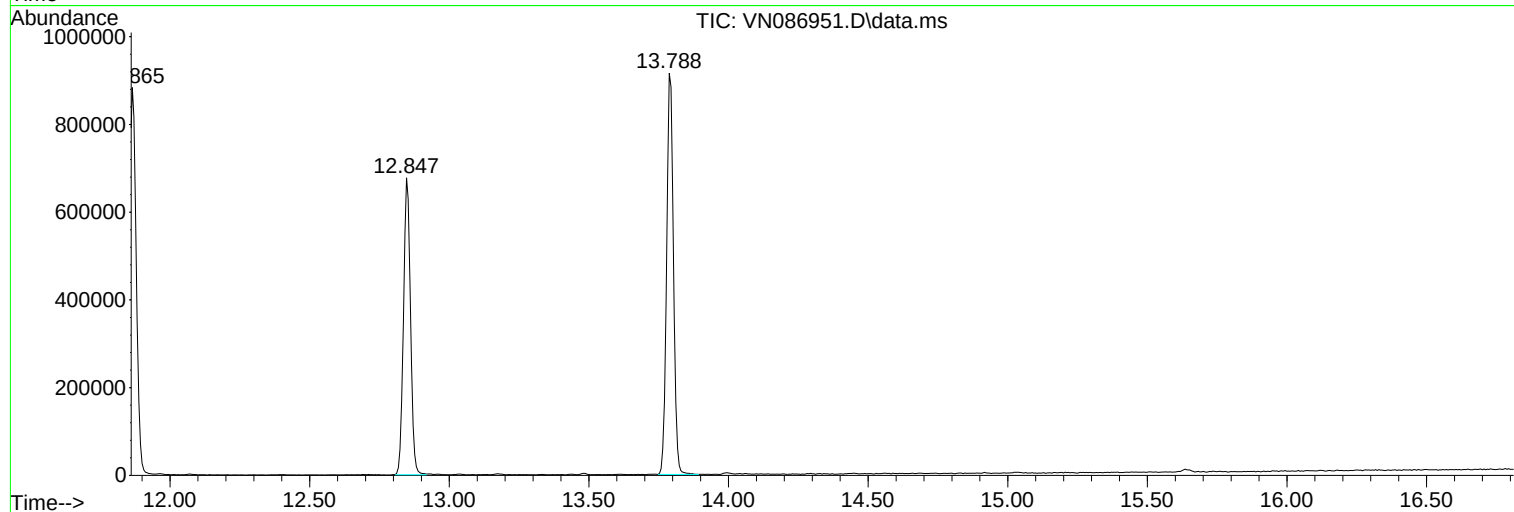
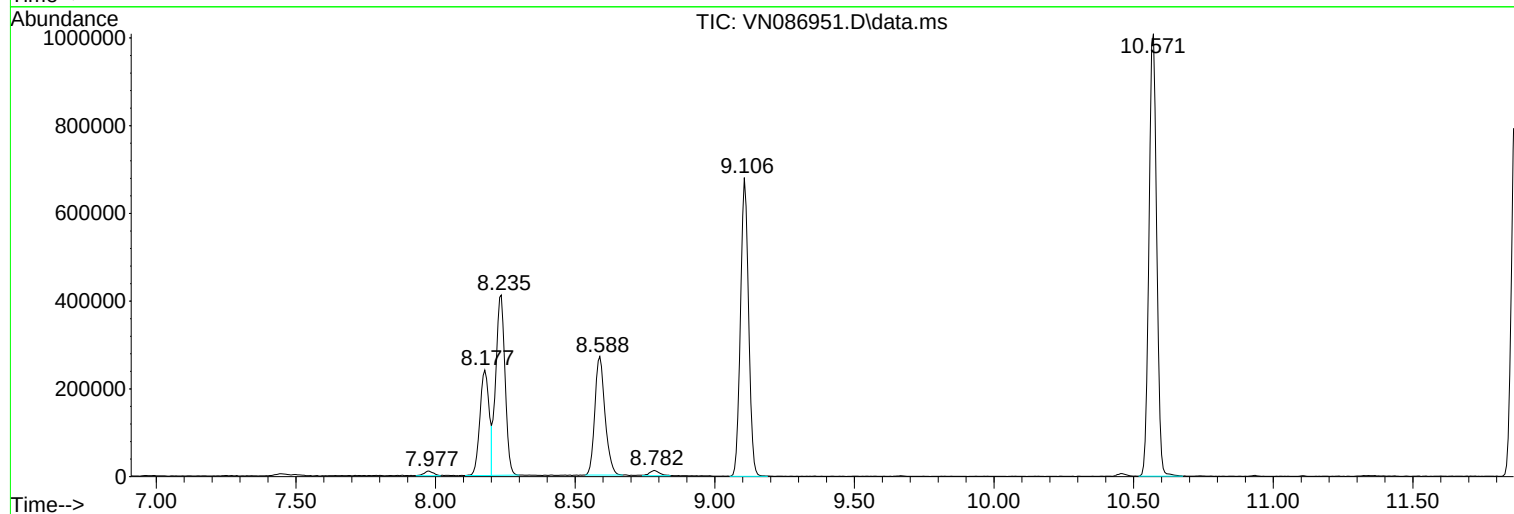
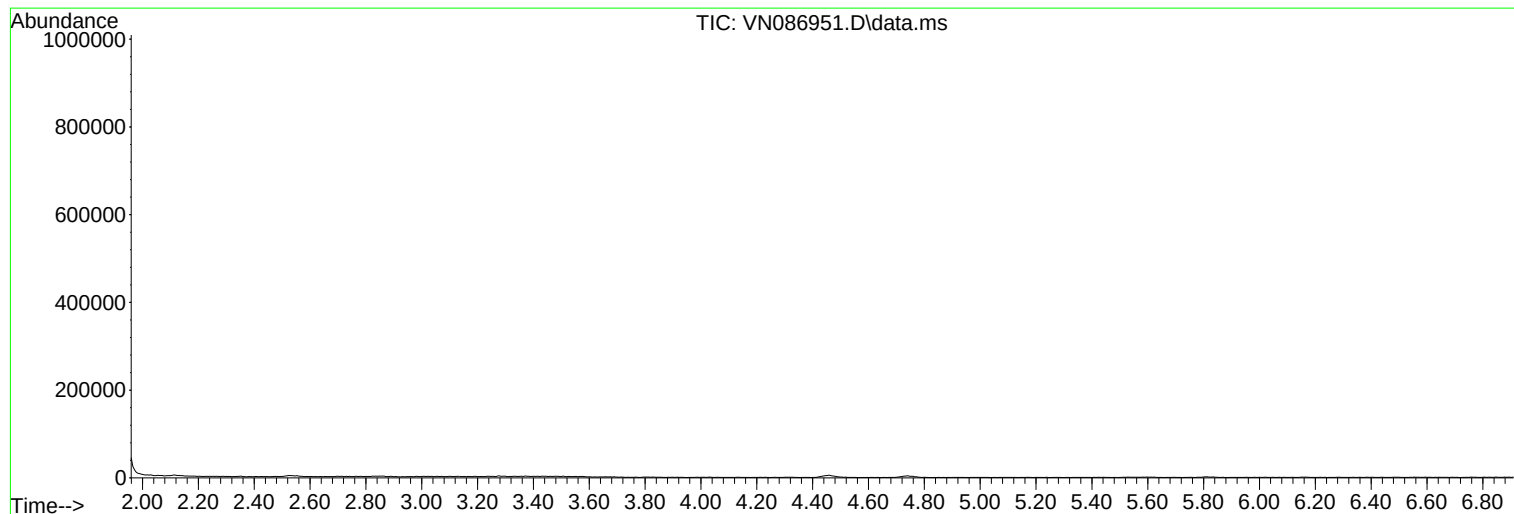
Sum of corrected areas: 9863636

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086951.D
Acq On : 11 Jun 2025 16:12
Operator : JC\MD
Sample : Q2202-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086951.D
Acq On : 11 Jun 2025 16:12
Operator : JC\MD
Sample : Q2202-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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\VN061125\
Data File : VN086951.D
Acq On : 11 Jun 2025 16:12
Operator : JC\MD
Sample : Q2202-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-1A-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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
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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	06/03/25	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	06/03/25	
Client Sample ID:	TB-20250603		SDG No.:	Q2202	
Lab Sample ID:	Q2202-06		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086949.D	1		06/11/25 15:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05			Date Received:	06/03/25
Client Sample ID:	TB-20250603			SDG No.:	Q2202
Lab Sample ID:	Q2202-06			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086949.D	1		06/11/25 15:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	51.8		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	324000	8.23			
540-36-3	1,4-Difluorobenzene	611000	9.106			
3114-55-4	Chlorobenzene-d5	539000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	263000	13.794			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	06/03/25
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05			Date Received:	06/03/25
Client Sample ID:	TB-20250603			SDG No.:	Q2202
Lab Sample ID:	Q2202-06			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086949.D	1		06/11/25 15:28	VN061125

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\VN061125\
Data File : VN086949.D
Acq On : 11 Jun 2025 15:28
Operator : JC\MD
Sample : Q2202-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20250603

Quant Time: Jun 12 01:34:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	324235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	611383	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	538730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	263158	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	212072	48.852	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.700%
35) Dibromofluoromethane	8.177	113	178799	49.348	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.700%
50) Toluene-d8	10.571	98	743447	51.832	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.660%
62) 4-Bromofluorobenzene	12.847	95	264799	49.691	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.380%

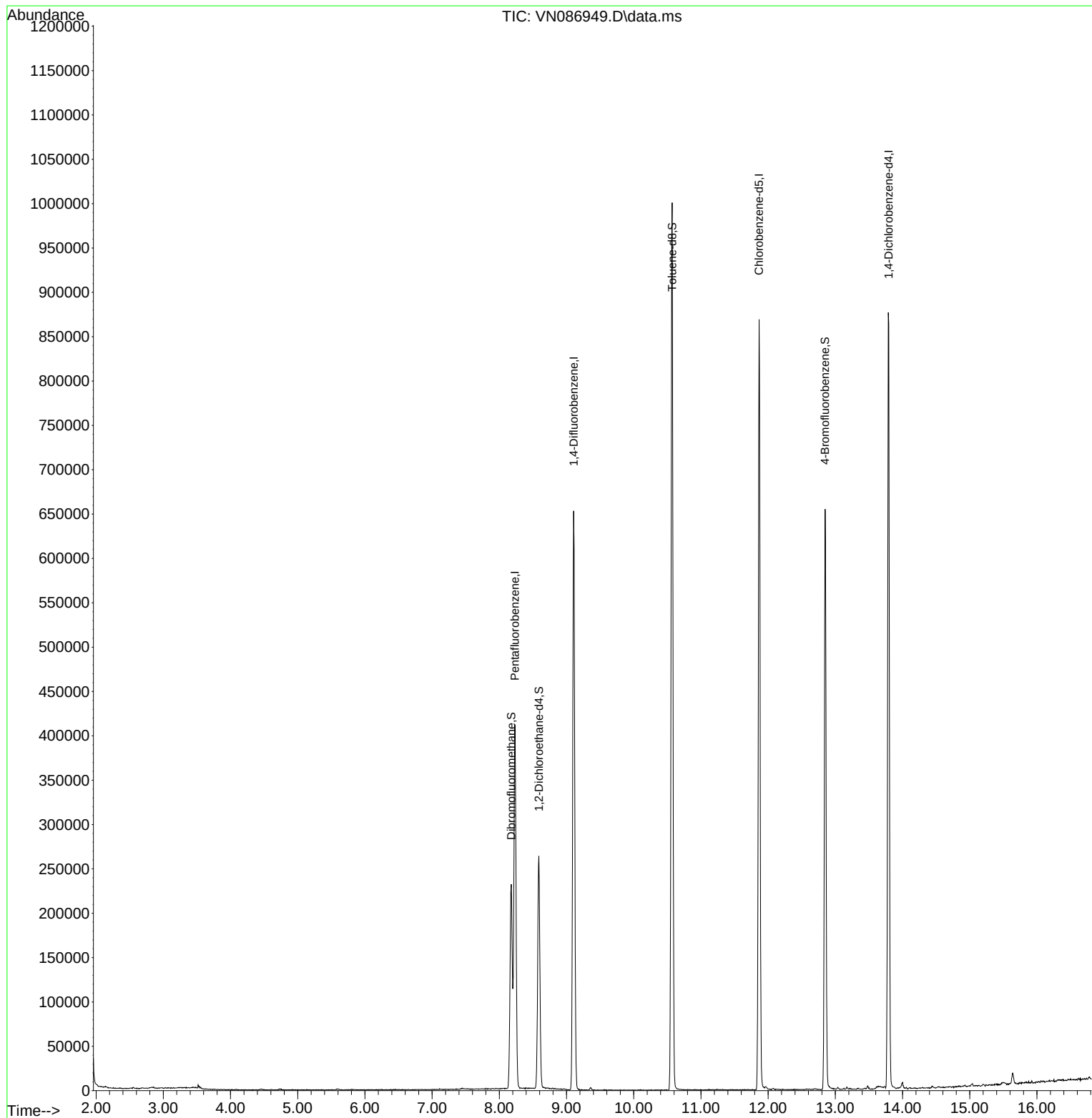
Target Compounds	Qvalue

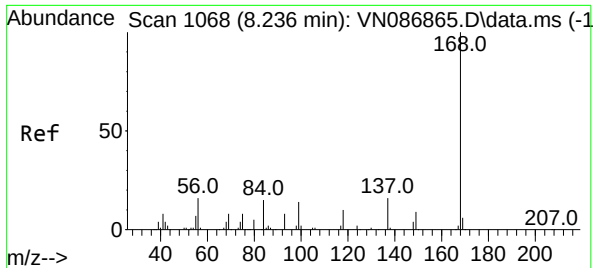
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086949.D
Acq On : 11 Jun 2025 15:28
Operator : JC\MD
Sample : Q2202-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20250603

Quant Time: Jun 12 01:34:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

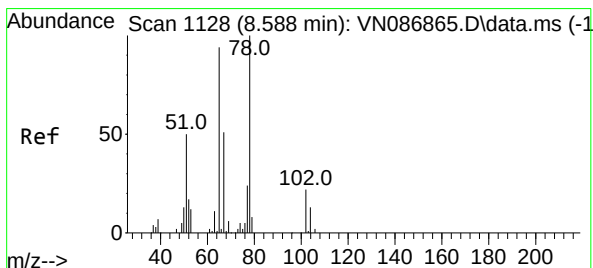
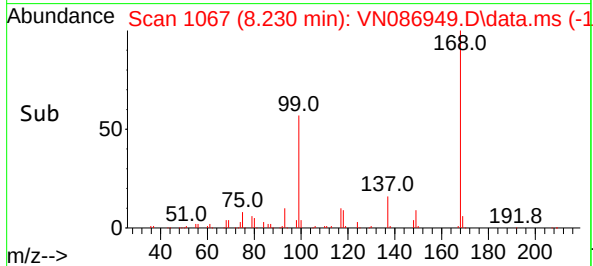
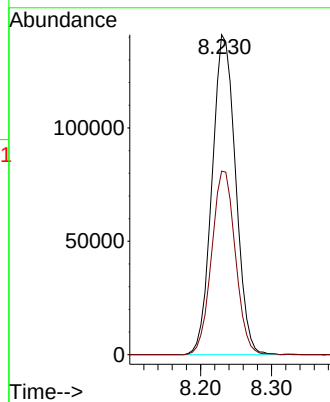
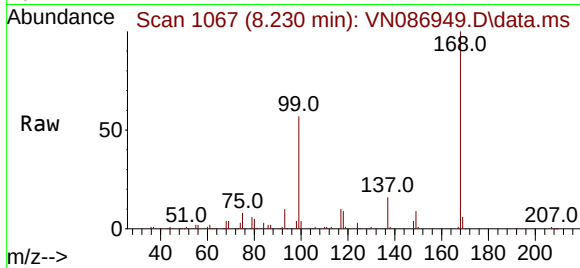




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086949.D
Acq: 11 Jun 2025 15:28

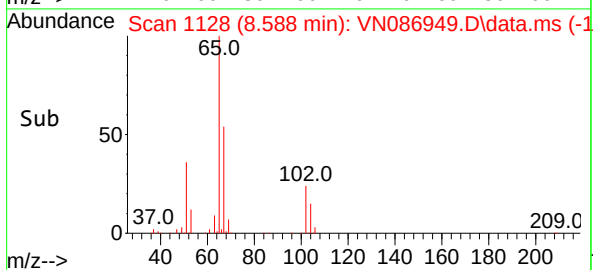
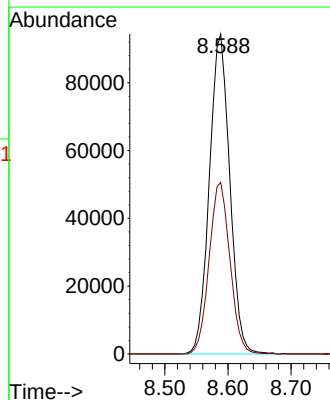
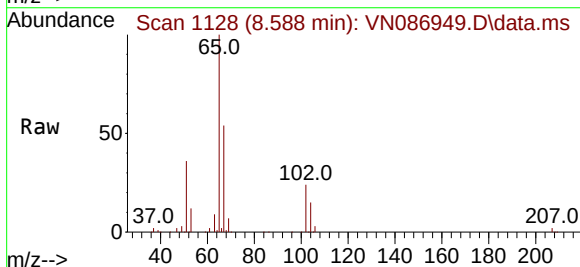
Instrument :
MSVOA_N
ClientSampleId :
TB-20250603

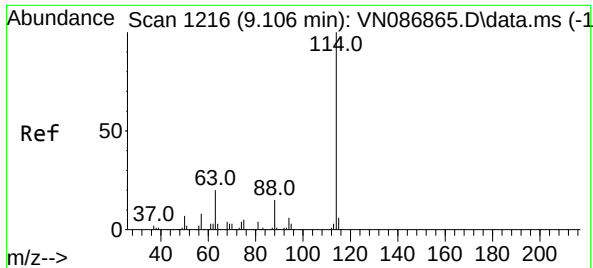
Tgt Ion:168 Resp: 324235
Ion Ratio Lower Upper
168 100
99 57.3 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 48.852 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086949.D
Acq: 11 Jun 2025 15:28

Tgt Ion: 65 Resp: 212072
Ion Ratio Lower Upper
65 100
67 54.7 0.0 105.6

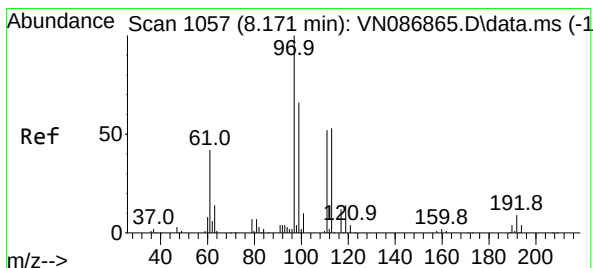
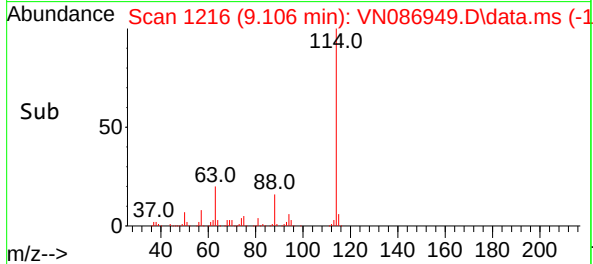
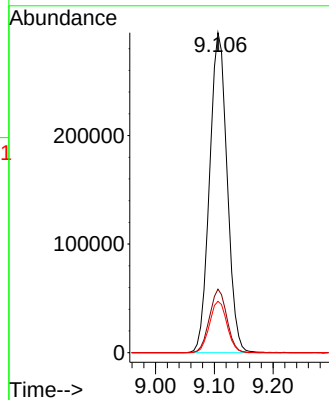
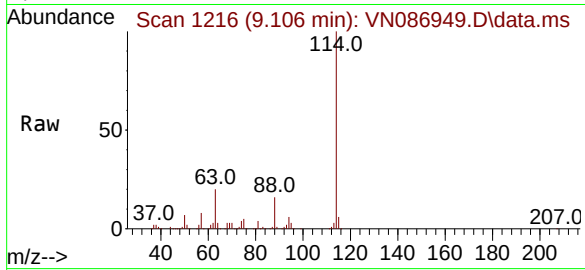




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086949.D
Acq: 11 Jun 2025 15:28

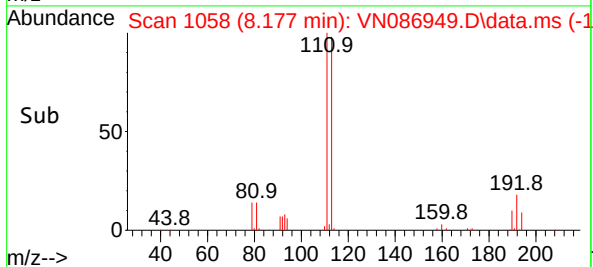
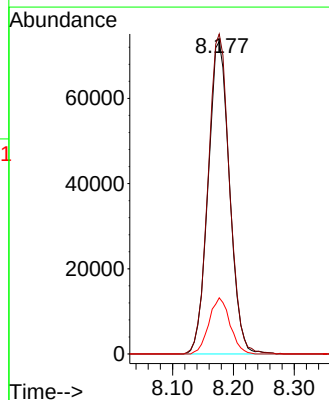
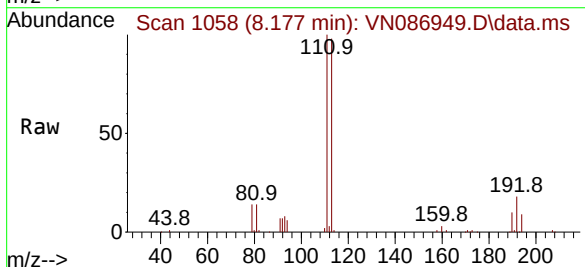
Instrument :
MSVOA_N
ClientSampleId :
TB-20250603

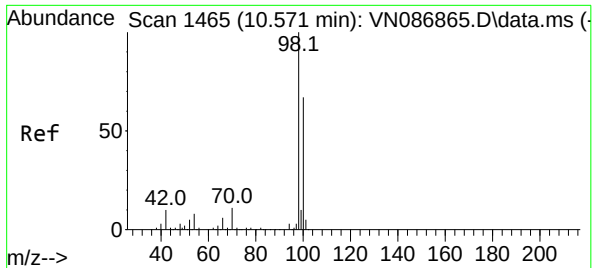
Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.6
88	16.0	0.0	30.2



#35
Dibromofluoromethane
Concen: 49.348 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086949.D
Acq: 11 Jun 2025 15:28

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	84.2	126.2
192	17.7	14.2	21.4

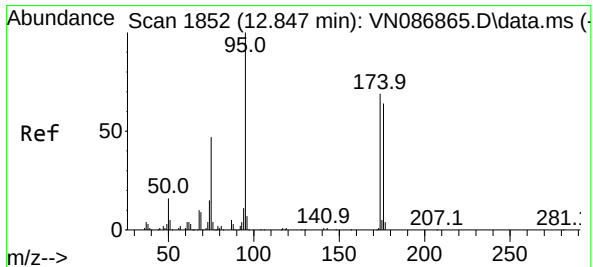
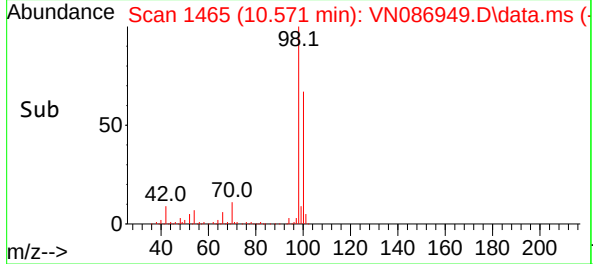
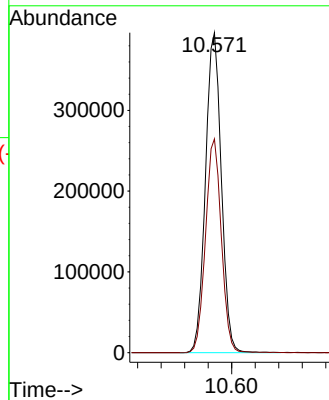
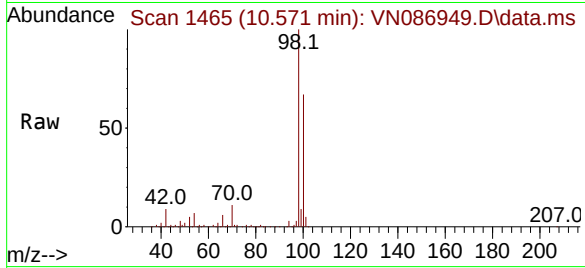




#50
Toluene-d8
Concen: 51.832 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086949.D
Acq: 11 Jun 2025 15:28

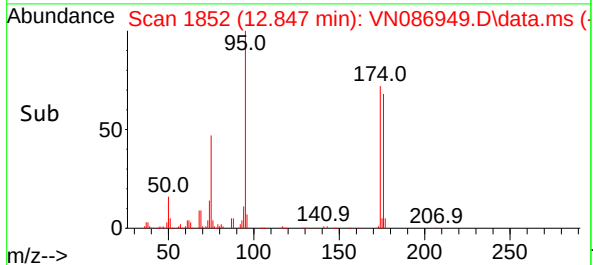
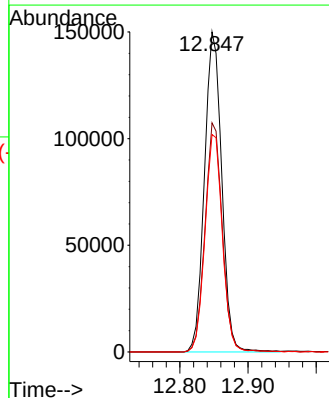
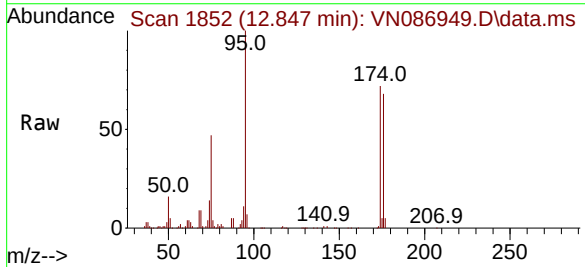
Instrument :
MSVOA_N
ClientSampleId :
TB-20250603

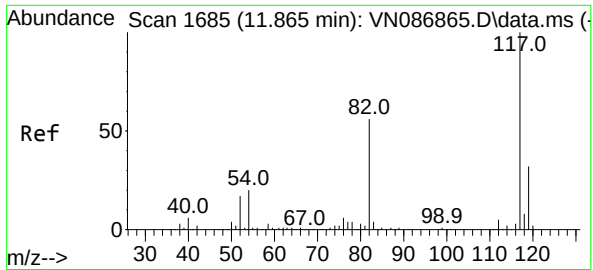
Tgt Ion: 98 Resp: 743447
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.691 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086949.D
Acq: 11 Jun 2025 15:28

Tgt Ion: 95 Resp: 264799
Ion Ratio Lower Upper
95 100
174 71.5 0.0 141.8
176 68.6 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN086949.D

Acq: 11 Jun 2025 15:28

Instrument :

MSVOA_N

ClientSampleId :

TB-20250603

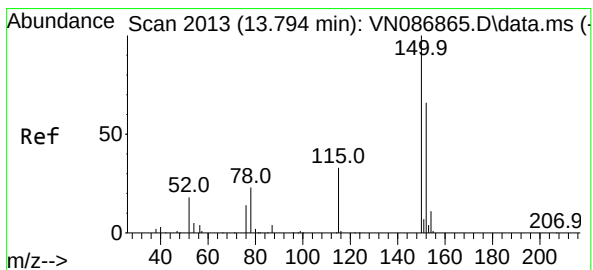
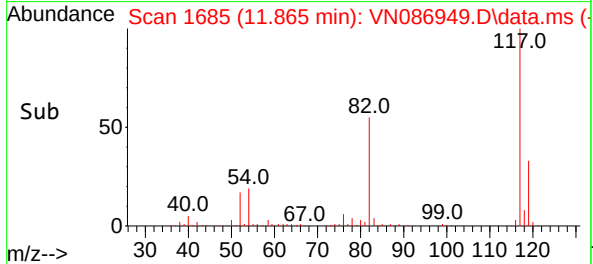
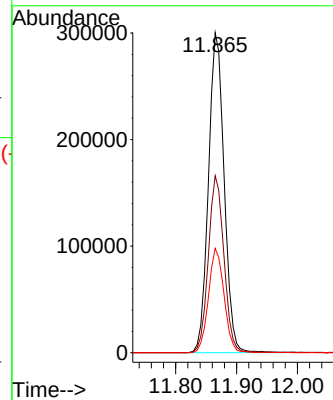
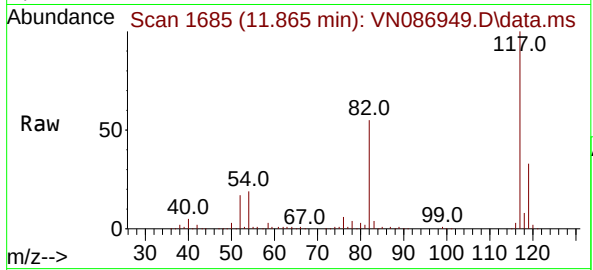
Tgt Ion:117 Resp: 538730

Ion Ratio Lower Upper

117 100

82 55.3 44.6 67.0

119 32.6 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN086949.D

Acq: 11 Jun 2025 15:28

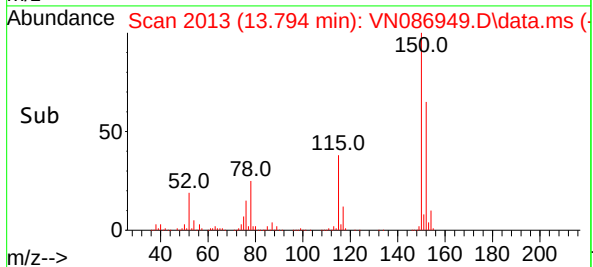
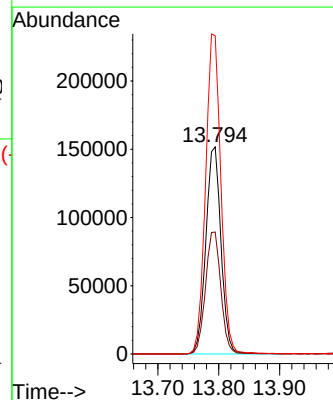
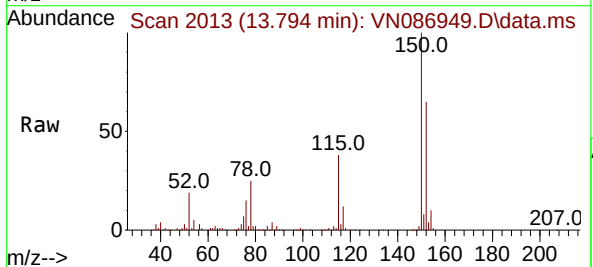
Tgt Ion:152 Resp: 263158

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.5

150 155.6 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086949.D
Acq On : 11 Jun 2025 15:28
Operator : JC\MD
Sample : Q2202-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20250603

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\82N060625W.M

Title : SW846 8260

Signal : TIC: VN086949.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1048	1058	1062	rBV	229977	546812	29.04%	5.730%
2	8.230	1062	1067	1080	rVB	410098	938262	49.82%	9.832%
3	8.588	1118	1128	1140	rBV	261642	589782	31.32%	6.181%
4	9.106	1207	1216	1228	rBV	652456	1346625	71.51%	14.112%
5	10.571	1456	1465	1479	rBV	1000259	1883197	100.00%	19.735%
6	11.865	1677	1685	1699	rBV	868395	1555482	82.60%	16.300%
7	12.847	1845	1852	1869	rBV	654192	1142968	60.69%	11.978%
8	13.788	2005	2012	2025	rBV	874354	1517561	80.58%	15.903%
9	15.641	2321	2327	2332	rBV	11885	21858	1.16%	0.229%

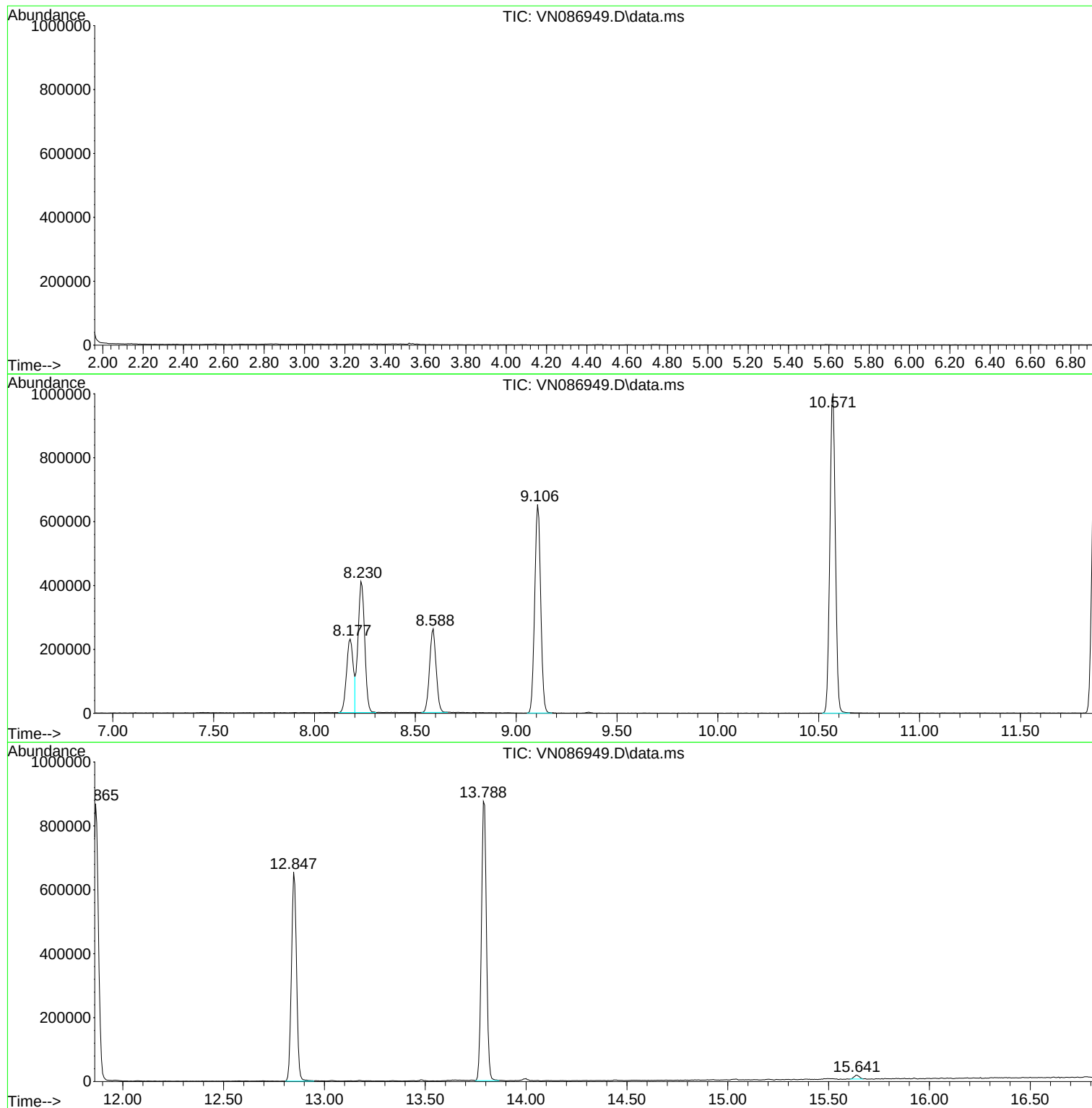
Sum of corrected areas: 9542547

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086949.D
Acq On : 11 Jun 2025 15:28
Operator : JC\MD
Sample : Q2202-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086949.D
Acq On : 11 Jun 2025 15:28
Operator : JC\MD
Sample : Q2202-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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\VN061125\
Data File : VN086949.D
Acq On : 11 Jun 2025 15:28
Operator : JC\MD
Sample : Q2202-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-20250603

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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
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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.: Q2202 SAS No.: Q2202 SDG No.: Q2202
 Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025
 Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF001 = VN086862.D	RRF005 = VN086863.D	RRF020 = VN086864.D	RRF050 = VN086865.D	RRF100 = VN086866.D	RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.5
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.1
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Bromochloromethane	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.5
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6

* 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.



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.: Q2202 SAS No.: Q2202 SDG No.: Q2202
 Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025
 Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086862.D		RRF005 = VN086863.D		RRF020 = VN086864.D		
		RRF050 = VN086865.D		RRF100 = VN086866.D		RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dibromo-3-Chloropropane	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.3
1,2,4-Trichlorobenzene	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.8
1,2,3-Trichlorobenzene	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

* 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 : 82N060625W.M
 Title : SW846 8260
 Last Update : Sat Jun 07 02:12:50 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN086862.D 5 =VN086863.D 20 =VN086864.D 50 =VN086865.D 100 =VN086866.D 150 =VN086867.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.51
3) P	Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.85
4) C	Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.49#
5) T	Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.57
6) T	Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.37
7) T	Trichlorofluor...	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.93
8) T	Diethyl Ether	0.372	0.397	0.383	0.363	0.384	0.369	0.378	3.28
9) T	1,1,2-Trichlor...	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.83
10) T	Methyl Iodide		0.720	0.729	0.683	0.722	0.679	0.707	3.35
11) T	Tert butyl alc...		0.192	0.194	0.176	0.180	0.166	0.182	6.37
12) CM	1,1-Dichloroet...	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.44#
13) T	Acrolein		0.073	0.051	0.045	0.052	0.066	0.057	20.26
14) T	Allyl chloride	0.985	0.911	0.925	0.865	0.905	0.947	0.923	4.40
15) T	Acrylonitrile	0.434	0.434	0.445	0.407	0.423	0.404	0.425	3.82
16) T	Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.53
17) T	Carbon Disulfide	1.718	1.621	1.542	1.426	1.496	1.433	1.539	7.38
18) T	Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.10
19) T	Methyl tert-bu...	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.69
20) T	Methylene Chlo...	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.52
21) T	trans-1,2-Dich...	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.25
22) T	Diisopropyl ether	2.018	2.020	2.036	1.856	1.915	1.828	1.945	4.70
23) T	Vinyl Acetate	1.743	1.692	1.715	1.591	1.604	1.517	1.644	5.29
24) P	1,1-Dichloroet...	1.192	1.152	1.156	1.063	1.110	1.043	1.120	5.17
25) T	2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.18
26) T	2,2-Dichloropr...	0.967	0.796	0.778	0.905	0.912	0.868	0.871	8.32
27) T	cis-1,2-Dichlo...	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.93
28) T	Bromochloromet...	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.48
29) T	Tetrahydrofuran	0.390	0.390	0.399	0.358	0.372	0.346	0.376	5.46
30) C	Chloroform	1.235	1.151	1.145	1.061	1.085	1.030	1.118	6.66#
31) T	Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.21
32) T	1,1,1-Trichlor...	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.88
33) S	1,2-Dichloroet...		0.732	0.707	0.500	0.656	0.751	0.669	15.08
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.303	0.310	0.219	0.298	0.351	0.296	16.15
36) T	1,1-Dichloropr...	0.467	0.458	0.438	0.418	0.442	0.426	0.442	4.23
37) T	Ethyl Acetate	0.544	0.615	0.577	0.536	0.565	0.535	0.562	5.48
38) T	Carbon Tetrach...	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.88
39) T	Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.75
40) TM	Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.20
41) T	Methacrylonitrile	0.356	0.319	0.318	0.303	0.299	0.299	0.316	6.84
42) TM	1,2-Dichloroet...	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.60
43) T	Isopropyl Acetate	0.975	0.950	0.906	0.852	0.884	0.845	0.902	5.79
44) TM	Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.327	0.342	4.17
45) C	1,2-Dichloropr...	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.40#
46) T	Dibromomethane	0.233	0.242	0.241	0.221	0.237	0.226	0.233	3.54
47) T	Bromodichlorom...	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.80
48) T	Methyl methacr...	0.444	0.415	0.421	0.394	0.421	0.397	0.415	4.40
49) T	1,4-Dioxane	0.006	0.007	0.008	0.008	0.008	0.007	0.008	9.40
50) S	Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.23
51) T	4-Methyl-2-Pen...	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.64
52) CM	Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.61#
53) T	t-1,3-Dichloro...	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.59
54) T	cis-1,3-Dichlo...	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.61
55) T	1,1,2-Trichlor...	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.66
56) T	Ethyl methacry...	0.433	0.516	0.567	0.556	0.595	0.578	0.541	10.92

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N060625W.M

57)	T	1,3-Dichloropr...	0.643	0.600	0.587	0.561	0.583	0.559	0.589	5.27
58)	T	2-Chloroethyl ...	0.278	0.305	0.334	0.274	0.340	0.405	0.323	15.07
59)	T	2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.36
60)	T	Dibromochlorom...	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.49
61)	T	1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.18
62)	S	4-Bromofluorob...	0.441	0.446	0.325	0.446	0.521	0.436		16.16
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.51
65)	PM	Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7.01
66)	T	1,1,1,2-Tetrac...	0.362	0.374	0.358	0.338	0.356	0.338	0.354	3.99
67)	C	Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.899	4.19#
68)	T	m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.82
69)	T	o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.42
70)	T	Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.51
71)	P	Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.09
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.21
74)	T	N-amyl acetate	1.376	1.110	1.187	1.266	1.372	1.327	1.273	8.42
75)	P	1,1,2,2-Tetrac...	1.292	1.299	1.273	1.178	1.205	1.157	1.234	4.99
76)	T	1,2,3-Trichlor...	1.297	1.189	1.129	1.173	1.201	1.142	1.189	5.03
77)	T	Bromobenzene	0.870	0.855	0.840	0.790	0.838	0.819	0.835	3.36
78)	T	n-propylbenzene	4.530	4.627	4.449	4.211	4.424	4.317	4.427	3.35
79)	T	2-Chlorotoluene	2.852	2.723	2.674	2.507	2.618	2.554	2.655	4.69
80)	T	1,3,5-Trimethy...	3.004	3.091	3.035	2.898	3.064	2.953	3.007	2.39
81)	T	trans-1,4-Dich...	0.510	0.522	0.476	0.546	0.528	0.516		5.06
82)	T	4-Chlorotoluene	2.899	2.757	2.671	2.531	2.664	2.595	2.686	4.81
83)	T	tert-Butylbenzene	2.942	2.810	2.736	2.617	2.745	2.668	2.753	4.14
84)	T	1,2,4-Trimethy...	2.952	3.122	3.063	2.914	3.075	2.968	3.016	2.73
85)	T	sec-Butylbenzene	4.114	4.126	4.037	3.829	4.018	3.861	3.998	3.15
86)	T	p-Isopropyltol...	3.305	3.425	3.321	3.184	3.366	3.227	3.305	2.68
87)	T	1,3-Dichlorobe...	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5.01
88)	T	1,4-Dichlorobe...	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.27
89)	T	n-Butylbenzene	3.473	3.292	3.140	3.059	3.188	3.054	3.201	4.99
90)	T	Hexachloroethane	0.580	0.537	0.569	0.537	0.577	0.562	0.560	3.43
91)	T	1,2-Dichlorobe...	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.77
92)	T	1,2-Dibromo-3-...	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.29
93)	T	1,2,4-Trichlor...	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.82
94)	T	Hexachlorobuta...	0.364	0.391	0.385	0.363	0.382	0.369	0.376	3.11
95)	T	Naphthalene	3.820	3.727	3.761	3.600	3.839	3.772	3.753	2.27
96)	T	1,2,3-Trichlor...	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4.05

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086862.D
 Acq On : 06 Jun 2025 12:44
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:54:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	212682	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	393457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167399	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	2.153	85	1985	0.936	ug/l	72
3) Chloromethane	2.400	50	3241	1.184	ug/l	98
4) Vinyl Chloride	2.559	62	2848	1.008	ug/l #	88
6) Chloroethane	3.159	64	1957	1.073	ug/l #	79
7) Trichlorofluoromethane	3.530	101	3752	1.017	ug/l	97
8) Diethyl Ether	3.994	74	1583	0.984	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.377	101	2358m	1.017	ug/l	
12) 1,1-Dichloroethene	4.365	96	2436	1.029	ug/l	85
14) Allyl chloride	5.041	41	4189	1.067	ug/l #	75
15) Acrylonitrile	5.735	53	9222	5.106	ug/l	96
16) Acetone	4.459	43	9069	6.006	ug/l	95
17) Carbon Disulfide	4.730	76	7306	1.116	ug/l	97
18) Methyl Acetate	5.053	43	4402	1.000	ug/l #	66
19) Methyl tert-butyl Ether	5.824	73	9019	1.052	ug/l	92
20) Methylene Chloride	5.294	84	3496	1.237	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	2979	1.131	ug/l	87
22) Diisopropyl ether	6.682	45	8584	1.037	ug/l #	96
23) Vinyl Acetate	6.618	43	37075	5.303	ug/l	95
24) 1,1-Dichloroethane	6.588	63	5071	1.065	ug/l #	81
25) 2-Butanone	7.500	43	12841	5.231	ug/l	93
26) 2,2-Dichloropropane	7.500	77	4112	1.110	ug/l	94
27) cis-1,2-Dichloroethene	7.494	96	3345	1.062	ug/l	95
28) Bromochloromethane	7.824	49	2464	1.052	ug/l #	88
29) Tetrahydrofuran	7.853	42	8301	5.191	ug/l	100
30) Chloroform	7.971	83	5255	1.105	ug/l	97
32) 1,1,1-Trichloroethane	8.171	97	4378	1.082	ug/l #	50
36) 1,1-Dichloropropene	8.376	75	3678	1.059	ug/l	96
37) Ethyl Acetate	7.577	43	4282	0.968	ug/l #	78
38) Carbon Tetrachloride	8.376	117	3563	1.045	ug/l #	93
39) Methylcyclohexane	9.606	83	4981	1.046	ug/l #	90
40) Benzene	8.612	78	12498	1.100	ug/l	100
41) Methacrylonitrile	7.782	41	2799	1.127	ug/l	89
42) 1,2-Dichloroethane	8.682	62	3725	1.081	ug/l	82
43) Isopropyl Acetate	8.694	43	7673	1.081	ug/l #	96
44) Trichloroethene	9.365	130	2822	1.047	ug/l	71
45) 1,2-Dichloropropane	9.629	63	2883	1.043	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086862.D
 Acq On : 06 Jun 2025 12:44
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:54:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration

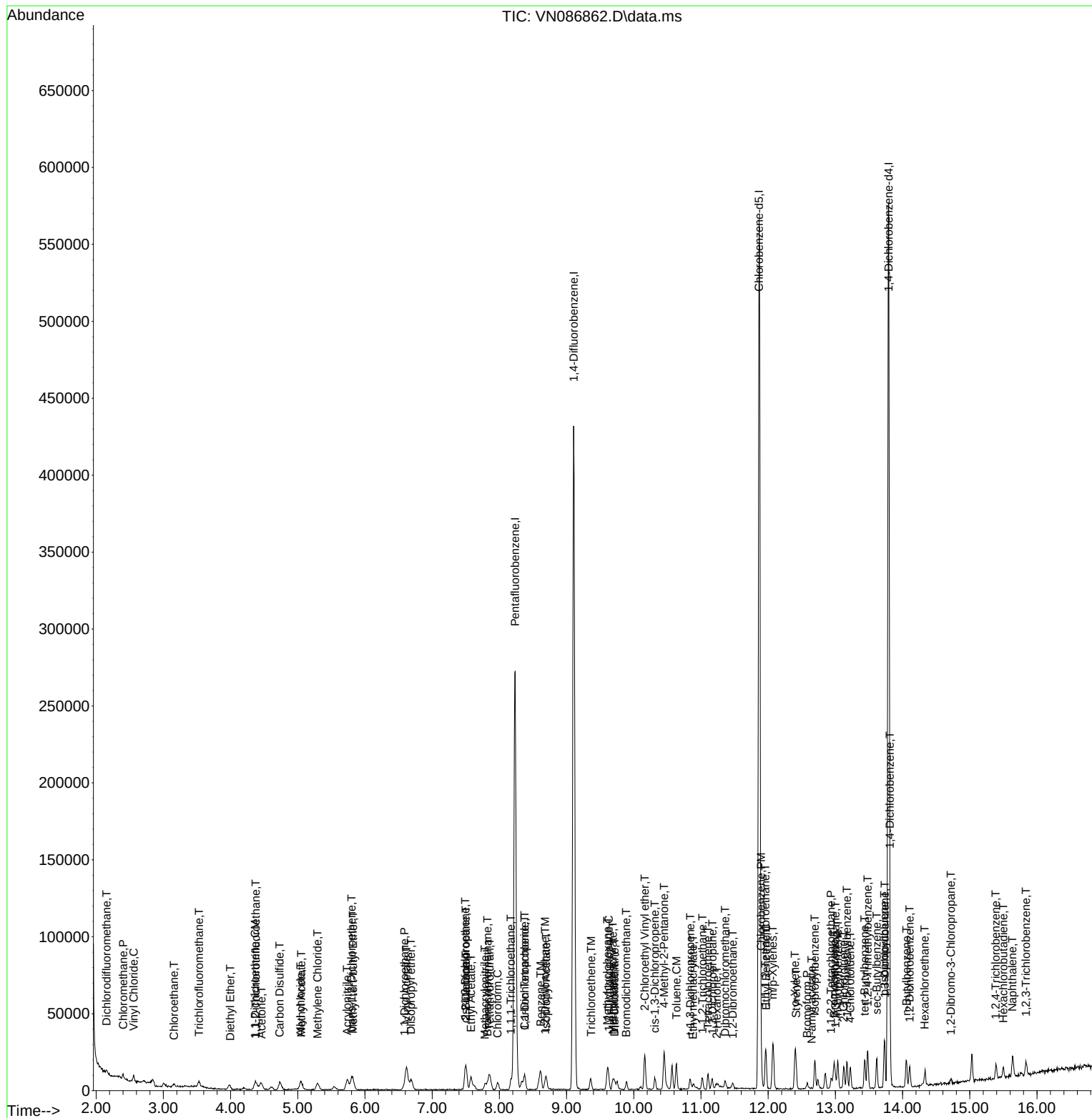
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.712	93	1835	0.999	ug/l	94
47) Bromodichloromethane	9.888	83	4017	1.063	ug/l #	96
48) Methyl methacrylate	9.688	41	3492	1.069	ug/l	88
49) 1,4-Dioxane	9.706	88	1004	16.891	ug/l #	74
51) 4-Methyl-2-Pentanone	10.453	43	19886	4.653	ug/l	99
52) Toluene	10.635	92	7227	1.041	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	4494	1.064	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	4792	1.060	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	2828	1.058	ug/l	89
56) Ethyl methacrylate	10.882	69	3406	0.800	ug/l #	85
57) 1,3-Dichloropropane	11.170	76	5062	1.092	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	10924	4.304	ug/l	97
59) 2-Hexanone	11.235	43	12295m	4.466	ug/l	
60) Dibromochloromethane	11.359	129	2843	1.021	ug/l	96
61) 1,2-Dibromoethane	11.470	107	2777	1.014	ug/l	96
64) Tetrachloroethene	11.106	164	2473	1.123	ug/l	94
65) Chlorobenzene	11.894	112	8581	1.118	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.959	131	2523	1.023	ug/l #	63
67) Ethyl Benzene	11.970	91	13845	1.047	ug/l	94
68) m/p-Xylenes	12.070	106	10163	2.008	ug/l	95
69) o-Xylene	12.400	106	4970	1.025	ug/l	93
70) Styrene	12.417	104	8189	0.987	ug/l	98
71) Bromoform	12.582	173	1508	0.825	ug/l #	78
73) Isopropylbenzene	12.694	105	12938	1.061	ug/l	98
74) N-amyl acetate	12.647	43	4608m	1.138	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	4326	1.047	ug/l #	93
76) 1,2,3-Trichloropropane	13.000	75	4343m	1.088	ug/l	
77) Bromobenzene	12.982	156	2913	1.042	ug/l	96
78) n-propylbenzene	13.035	91	15168	1.023	ug/l	98
79) 2-Chlorotoluene	13.123	91	9550	1.074	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	10058	0.999	ug/l	96
82) 4-Chlorotoluene	13.223	91	9706	1.079	ug/l	96
83) tert-Butylbenzene	13.435	119	9849	1.069	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	9882	0.979	ug/l	99
85) sec-Butylbenzene	13.617	105	13775	1.029	ug/l	100
86) p-Isopropyltoluene	13.729	119	11065	1.000	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	5903	1.073	ug/l	94
88) 1,4-Dichlorobenzene	13.811	146	6094m	1.086	ug/l	
89) n-Butylbenzene	14.058	91	11627	1.085	ug/l	94
90) Hexachloroethane	14.329	117	1942	1.036	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	5607	1.061	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	1136	1.150	ug/l	78
93) 1,2,4-Trichlorobenzene	15.388	180	3489	1.034	ug/l	98
94) Hexachlorobutadiene	15.500	225	1219	0.969	ug/l	88
95) Naphthalene	15.635	128	12789	1.018	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	3594	1.072	ug/l	96

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086863.D
 Acq On : 06 Jun 2025 13:17
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	229701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	423980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	16818	5.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.940%#		
35) Dibromofluoromethane	8.177	113	12867	5.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.240%#		
50) Toluene-d8	10.571	98	52794	5.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.620%#		
62) 4-Bromofluorobenzene	12.847	95	18697	5.059	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.120%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	10196	4.452	ug/l	93
3) Chloromethane	2.395	50	15025	5.080	ug/l	98
4) Vinyl Chloride	2.554	62	15384	5.043	ug/l	97
5) Bromomethane	2.989	94	8606	5.041	ug/l	97
6) Chloroethane	3.154	64	10190	5.171	ug/l	96
7) Trichlorofluoromethane	3.518	101	20740	5.203	ug/l	99
8) Diethyl Ether	3.971	74	9121	5.252	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	13034	5.205	ug/l	97
10) Methyl Iodide	4.606	142	16530	5.092	ug/l	98
11) Tert butyl alcohol	5.542	59	22000	26.363	ug/l	99
12) 1,1-Dichloroethene	4.359	96	13610	5.323	ug/l	94
13) Acrolein	4.195	56	8401	31.804	ug/l	99
14) Allyl chloride	5.042	41	20925	4.935	ug/l	99
15) Acrylonitrile	5.736	53	49826	25.545	ug/l	99
16) Acetone	4.448	43	41981	25.741	ug/l	99
17) Carbon Disulfide	4.736	76	37246	5.267	ug/l	97
18) Methyl Acetate	5.048	43	24096	5.070	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	46823	5.058	ug/l	95
20) Methylene Chloride	5.300	84	15809	5.178	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	15480	5.442	ug/l #	81
22) Diisopropyl ether	6.689	45	46396	5.191	ug/l	99
23) Vinyl Acetate	6.618	43	194334	25.735	ug/l	100
24) 1,1-Dichloroethane	6.583	63	26473	5.147	ug/l	99
25) 2-Butanone	7.494	43	68629	25.888	ug/l	99
26) 2,2-Dichloropropane	7.500	77	18288	4.571	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	17594	5.172	ug/l	98
28) Bromochloromethane	7.830	49	12958	5.124	ug/l #	97
29) Tetrahydrofuran	7.853	42	44749	25.912	ug/l	98
30) Chloroform	7.977	83	26450	5.149	ug/l	95
31) Cyclohexane	8.271	56	29938	6.002	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	22857	5.232	ug/l #	50
36) 1,1-Dichloropropene	8.377	75	19410	5.184	ug/l	98
37) Ethyl Acetate	7.571	43	26073	5.470	ug/l	97
38) Carbon Tetrachloride	8.371	117	19056	5.184	ug/l	99
39) Methylcyclohexane	9.606	83	27353	5.333	ug/l	95
40) Benzene	8.612	78	63646	5.199	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086863.D
 Acq On : 06 Jun 2025 13:17
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/09/2025

Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M

Quant Title : SW846 8260

QLast Update : Sat Jun 07 01:51:02 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	13518	5.050	ug/l	99
42) 1,2-Dichloroethane	8.683	62	19329	5.205	ug/l	98
43) Isopropyl Acetate	8.700	43	40268	5.264	ug/l	98
44) Trichloroethene	9.359	130	15245	5.251	ug/l	96
45) 1,2-Dichloropropane	9.624	63	15632	5.248	ug/l	99
46) Dibromomethane	9.718	93	10241	5.176	ug/l	99
47) Bromodichloromethane	9.888	83	20512	5.039	ug/l	97
48) Methyl methacrylate	9.688	41	17591	4.996	ug/l	94
49) 1,4-Dioxane	9.700	88	6141	95.874	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	116434	25.283	ug/l	97
52) Toluene	10.630	92	38744	5.178	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	22285	4.896	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	24477	5.026	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	15068	5.234	ug/l	97
56) Ethyl methacrylate	10.888	69	21893	4.774	ug/l	95
57) 1,3-Dichloropropane	11.165	76	25452	5.096	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	64722	23.664	ug/l	98
59) 2-Hexanone	11.212	43	59884	20.188	ug/l	99
60) Dibromochloromethane	11.359	129	14884	4.962	ug/l	98
61) 1,2-Dibromoethane	11.471	107	15172	5.141	ug/l	99
64) Tetrachloroethene	11.106	164	12322	5.236	ug/l	92
65) Chlorobenzene	11.894	112	42195	5.145	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	13897	5.271	ug/l	97
67) Ethyl Benzene	11.965	91	73443	5.199	ug/l	97
68) m/p-Xylenes	12.071	106	55859	10.330	ug/l	100
69) o-Xylene	12.400	106	26004	5.021	ug/l	96
70) Styrene	12.412	104	44380	5.008	ug/l	98
71) Bromoform	12.582	173	9890	5.063	ug/l #	96
73) Isopropylbenzene	12.694	105	67878	5.146	ug/l	100
74) N-amyl acetate	12.559	43	20096m	4.590	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	23516	5.262	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	21527m	4.986	ug/l	
77) Bromobenzene	12.976	156	15485	5.119	ug/l	92
78) n-propylbenzene	13.035	91	83781	5.226	ug/l	99
79) 2-Chlorotoluene	13.124	91	49297	5.128	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	55961	5.139	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	9234	4.939	ug/l	94
82) 4-Chlorotoluene	13.223	91	49924	5.132	ug/l	100
83) tert-Butylbenzene	13.435	119	50874	5.103	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	56525	5.176	ug/l	100
85) sec-Butylbenzene	13.618	105	74711	5.161	ug/l	99
86) p-Isopropyltoluene	13.729	119	62016	5.182	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	30949	5.200	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	32342	5.330	ug/l	96
89) n-Butylbenzene	14.053	91	59601	5.142	ug/l	99
90) Hexachloroethane	14.335	117	9725	4.794	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	29897	5.228	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5731	5.363	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	18778	5.143	ug/l	99
94) Hexachlorobutadiene	15.500	225	7072	5.199	ug/l	99
95) Naphthalene	15.641	128	67481	4.965	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	18262	5.034	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

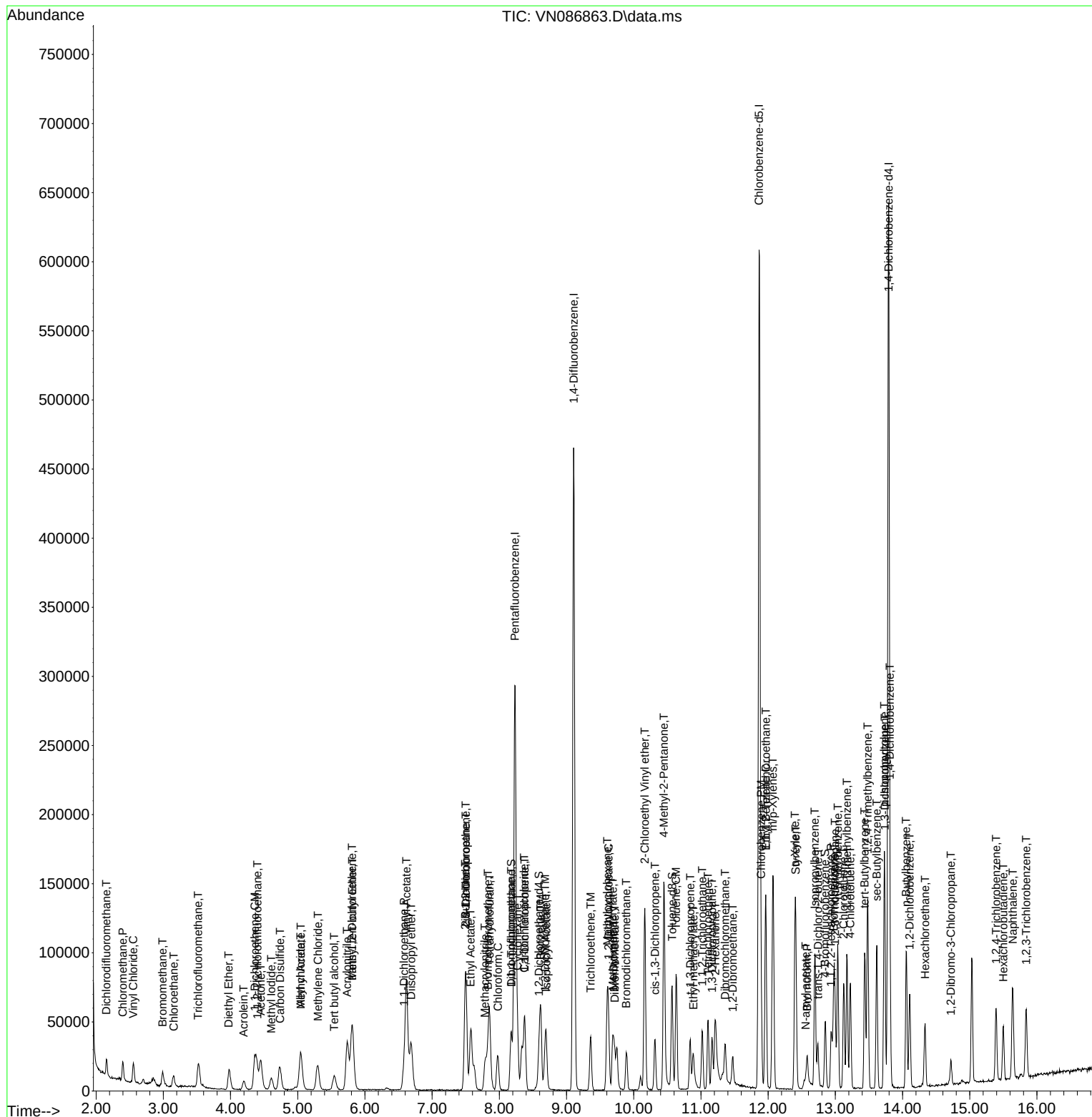
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086864.D
 Acq On : 06 Jun 2025 13:40
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	224006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	63390	21.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.280%#		
35) Dibromofluoromethane	8.177	113	51797	20.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.800%#		
50) Toluene-d8	10.571	98	201268	20.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.040%#		
62) 4-Bromofluorobenzene	12.853	95	74622	20.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.940%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.159	85	48254	21.605	ug/l	92
3) Chloromethane	2.401	50	57778	20.033	ug/l	93
4) Vinyl Chloride	2.559	62	61254	20.589	ug/l	99
5) Bromomethane	3.006	94	34022	20.435	ug/l	95
6) Chloroethane	3.159	64	39625	20.619	ug/l	99
7) Trichlorofluoromethane	3.524	101	80978	20.832	ug/l	94
8) Diethyl Ether	3.983	74	34288	20.245	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	50458	20.661	ug/l	98
10) Methyl Iodide	4.612	142	65360	20.646	ug/l	98
11) Tert butyl alcohol	5.547	59	87102	107.031	ug/l	99
12) 1,1-Dichloroethene	4.359	96	50485	20.249	ug/l	96
13) Acrolein	4.200	56	22866	88.767	ug/l	97
14) Allyl chloride	5.047	41	82924	20.055	ug/l	98
15) Acrylonitrile	5.742	53	199498	104.881	ug/l	99
16) Acetone	4.447	43	163979	103.099	ug/l	98
17) Carbon Disulfide	4.736	76	138195	20.038	ug/l	97
18) Methyl Acetate	5.047	43	96547	20.830	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	183780	20.358	ug/l	98
20) Methylene Chloride	5.294	84	57611	19.348	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	55643	20.059	ug/l	94
22) Diisopropyl ether	6.689	45	182472	20.935	ug/l	98
23) Vinyl Acetate	6.624	43	768556	104.365	ug/l	99
24) 1,1-Dichloroethane	6.583	63	103578	20.650	ug/l	99
25) 2-Butanone	7.494	43	270477	104.621	ug/l	100
26) 2,2-Dichloropropane	7.506	77	69692	17.862	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	68292	20.585	ug/l	98
28) Bromochloromethane	7.824	49	55196	22.381	ug/l	99
29) Tetrahydrofuran	7.853	42	178571	106.031	ug/l	99
30) Chloroform	7.977	83	102615	20.485	ug/l	93
31) Cyclohexane	8.271	56	100026	20.563	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	86810	20.376	ug/l	98
36) 1,1-Dichloropropene	8.383	75	73252	19.838	ug/l	100
37) Ethyl Acetate	7.571	43	96467	20.522	ug/l	98
38) Carbon Tetrachloride	8.377	117	72628	20.034	ug/l	97
39) Methylcyclohexane	9.606	83	98425	19.455	ug/l	99
40) Benzene	8.612	78	241444	19.996	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086864.D
 Acq On : 06 Jun 2025 13:40
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/09/2025

Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M

Quant Title : SW846 8260

QLast Update : Sat Jun 07 01:51:02 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	53244	20.169	ug/l	98
42) 1,2-Dichloroethane	8.677	62	74238	20.270	ug/l	100
43) Isopropyl Acetate	8.694	43	151601	20.094	ug/l	99
44) Trichloroethene	9.359	130	57110	19.946	ug/l	96
45) 1,2-Dichloropropane	9.630	63	59293	20.184	ug/l	97
46) Dibromomethane	9.712	93	40290	20.648	ug/l	98
47) Bromodichloromethane	9.894	83	80353	20.015	ug/l	98
48) Methyl methacrylate	9.682	41	70457	20.290	ug/l	97
49) 1,4-Dioxane	9.706	88	28231	446.886	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	481741	106.066	ug/l	99
52) Toluene	10.635	92	148000	20.056	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	87683	19.532	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	94315	19.636	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	57195	20.143	ug/l	99
56) Ethyl methacrylate	10.882	69	94829	20.968	ug/l	98
57) 1,3-Dichloropropane	11.165	76	98205	19.938	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	278986	103.426	ug/l	99
59) 2-Hexanone	11.206	43	303686	103.803	ug/l	95
60) Dibromochloromethane	11.359	129	59961	20.268	ug/l	99
61) 1,2-Dibromoethane	11.471	107	59139	20.320	ug/l	97
64) Tetrachloroethene	11.106	164	45374	19.742	ug/l	96
65) Chlorobenzene	11.894	112	160803	20.076	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	52069	20.223	ug/l	99
67) Ethyl Benzene	11.965	91	277087	20.083	ug/l	98
68) m/p-Xylenes	12.071	106	215378	40.780	ug/l	100
69) o-Xylene	12.400	106	102050	20.175	ug/l	98
70) Styrene	12.412	104	178061	20.572	ug/l	99
71) Bromoform	12.576	173	40070	21.004	ug/l #	99
73) Isopropylbenzene	12.694	105	264442	20.035	ug/l	100
74) N-amyl acetate	12.523	43	86003	19.633	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	92264	20.634	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	81846m	18.945	ug/l	
77) Bromobenzene	12.982	156	60877	20.111	ug/l	98
78) n-propylbenzene	13.035	91	322436	20.102	ug/l	100
79) 2-Chlorotoluene	13.123	91	193774	20.144	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	219937	20.183	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	37808	20.209	ug/l	92
82) 4-Chlorotoluene	13.223	91	193544	19.885	ug/l	99
83) tert-Butylbenzene	13.435	119	198303	19.880	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	221990	20.315	ug/l	100
85) sec-Butylbenzene	13.617	105	292563	20.196	ug/l	100
86) p-Isopropyltoluene	13.729	119	240682	20.099	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	120099	20.166	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	120102	19.780	ug/l	97
89) n-Butylbenzene	14.053	91	227536	19.617	ug/l	100
90) Hexachloroethane	14.335	117	41202	20.299	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	115645	20.212	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21025	19.661	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	71826	19.659	ug/l	98
94) Hexachlorobutadiene	15.500	225	27887	20.486	ug/l	97
95) Naphthalene	15.641	128	272584	20.043	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	71929	19.815	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

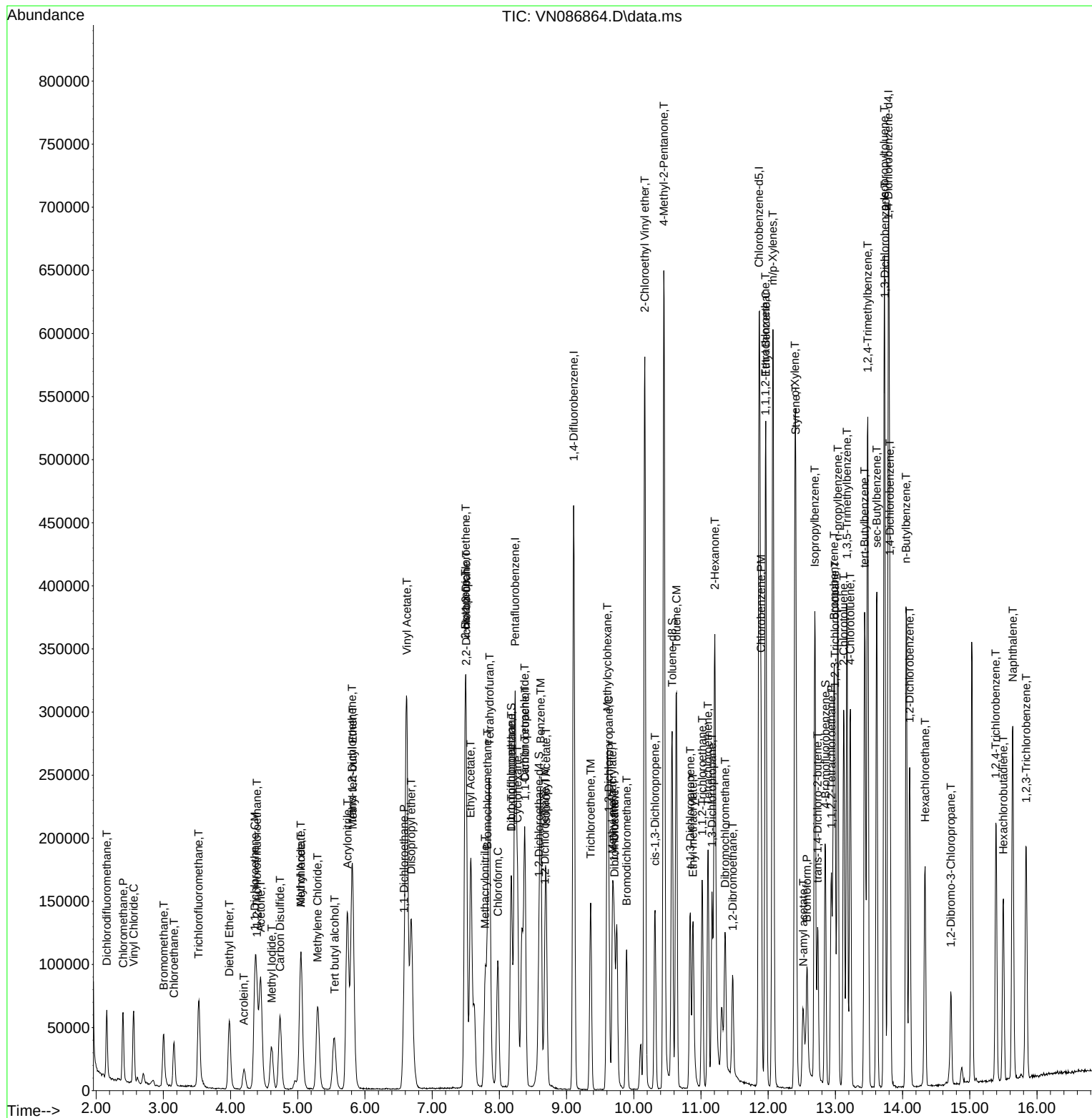
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086864.D
 Acq On : 06 Jun 2025 13:40
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086865.D
 Acq On : 06 Jun 2025 14:03
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	207354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	103736	37.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	74.740%		
35) Dibromofluoromethane	8.171	113	83058	37.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	74.040%#		
50) Toluene-d8	10.571	98	326105	36.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	73.440%#		
62) 4-Bromofluorobenzene	12.847	95	122965	37.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	74.520%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	103958	50.283	ug/l	100
3) Chloromethane	2.395	50	123866	46.397	ug/l	100
4) Vinyl Chloride	2.554	62	132783	48.215	ug/l	100
5) Bromomethane	2.995	94	73974	47.999	ug/l	100
6) Chloroethane	3.154	64	84505	47.504	ug/l	100
7) Trichlorofluoromethane	3.524	101	172860	48.041	ug/l	100
8) Diethyl Ether	3.983	74	75193	47.963	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	107695	47.640	ug/l	100
10) Methyl Iodide	4.606	142	141678	48.346	ug/l	100
11) Tert butyl alcohol	5.548	59	182315	242.020	ug/l	100
12) 1,1-Dichloroethene	4.359	96	110549	47.900	ug/l	100
13) Acrolein	4.201	56	47026	197.217	ug/l	100
14) Allyl chloride	5.042	41	179313	46.848	ug/l	100
15) Acrylonitrile	5.742	53	421941	239.638	ug/l	100
16) Acetone	4.448	43	333857	226.765	ug/l	100
17) Carbon Disulfide	4.730	76	295753	46.328	ug/l	100
18) Methyl Acetate	5.042	43	204538	47.673	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	400775	47.960	ug/l	100
20) Methylene Chloride	5.295	84	125498	45.531	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	117660	45.822	ug/l	100
22) Diisopropyl ether	6.689	45	384939	47.711	ug/l	100
23) Vinyl Acetate	6.618	43	1649023	241.910	ug/l	100
24) 1,1-Dichloroethane	6.583	63	220477	47.485	ug/l	100
25) 2-Butanone	7.494	43	571221	238.693	ug/l	100
26) 2,2-Dichloropropane	7.500	77	187567	51.933	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	144911	47.189	ug/l	100
28) Bromochloromethane	7.824	49	96707	42.362	ug/l	100
29) Tetrahydrofuran	7.853	42	371357	238.210	ug/l	100
30) Chloroform	7.977	83	220093	47.467	ug/l	100
31) Cyclohexane	8.271	56	208105	46.217	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185502	47.037	ug/l	100
36) 1,1-Dichloropropene	8.377	75	158341	47.362	ug/l	100
37) Ethyl Acetate	7.577	43	203091	47.720	ug/l	100
38) Carbon Tetrachloride	8.371	117	154677	47.126	ug/l	100
39) Methylcyclohexane	9.606	83	215849	47.126	ug/l	100
40) Benzene	8.612	78	509334	46.590	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086865.D
 Acq On : 06 Jun 2025 14:03
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/09/2025
 Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	114727	48.000	ug/l	100
42) 1,2-Dichloroethane	8.677	62	155713	46.960	ug/l	100
43) Isopropyl Acetate	8.694	43	322741	47.248	ug/l	100
44) Trichloroethene	9.359	130	123847	47.776	ug/l	100
45) 1,2-Dichloropropane	9.630	63	125673	47.251	ug/l	100
46) Dibromomethane	9.718	93	83811	47.442	ug/l	100
47) Bromodichloromethane	9.894	83	173200	47.651	ug/l	100
48) Methyl methacrylate	9.683	41	149019	47.399	ug/l	100
49) 1,4-Dioxane	9.700	88	59060	1032.607	ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	1017688	247.484	ug/l	100
52) Toluene	10.635	92	316219	47.331	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	197475	48.587	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	208523	47.950	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	121969	47.445	ug/l	100
56) Ethyl methacrylate	10.882	69	210467	51.401	ug/l	100
57) 1,3-Dichloropropane	11.165	76	212243	47.593	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	519139	212.570	ug/l	100
59) 2-Hexanone	11.200	43	696567	262.977	ug/l	100
60) Dibromochloromethane	11.359	129	128715	48.056	ug/l	100
61) 1,2-Dibromoethane	11.471	107	124522	47.258	ug/l	100
64) Tetrachloroethene	11.106	164	97679	46.382	ug/l	100
65) Chlorobenzene	11.894	112	340439	46.386	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	112333	47.615	ug/l	100
67) Ethyl Benzene	11.965	91	597593	47.271	ug/l	100
68) m/p-Xylenes	12.071	106	466620	96.424	ug/l	100
69) o-Xylene	12.400	106	224299	48.395	ug/l	100
70) Styrene	12.412	104	386596	48.745	ug/l	100
71) Bromoform	12.582	173	88127	50.415	ug/l #	100
73) Isopropylbenzene	12.694	105	573905	47.023	ug/l	100
74) N-amyl acetate	12.512	43	212064	52.353	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	197360	47.732	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	196473m	49.183	ug/l	
77) Bromobenzene	12.982	156	132381	47.296	ug/l	100
78) n-propylbenzene	13.035	91	705524	47.567	ug/l	100
79) 2-Chlorotoluene	13.124	91	419986	47.216	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	485499	48.181	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	79732	46.089	ug/l	100
82) 4-Chlorotoluene	13.224	91	424066	47.117	ug/l	100
83) tert-Butylbenzene	13.435	119	438417	47.531	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	488189	48.314	ug/l	100
85) sec-Butylbenzene	13.618	105	641523	47.893	ug/l	100
86) p-Isopropyltoluene	13.729	119	533366	48.169	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	260310	47.269	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	263358	46.907	ug/l	100
89) n-Butylbenzene	14.053	91	512519	47.787	ug/l	100
90) Hexachloroethane	14.335	117	89896	47.896	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	251235	47.486	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	45535	46.049	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	162374	48.061	ug/l	100
94) Hexachlorobutadiene	15.500	225	60866	48.356	ug/l	100
95) Naphthalene	15.641	128	603088	47.958	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	159113	47.402	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

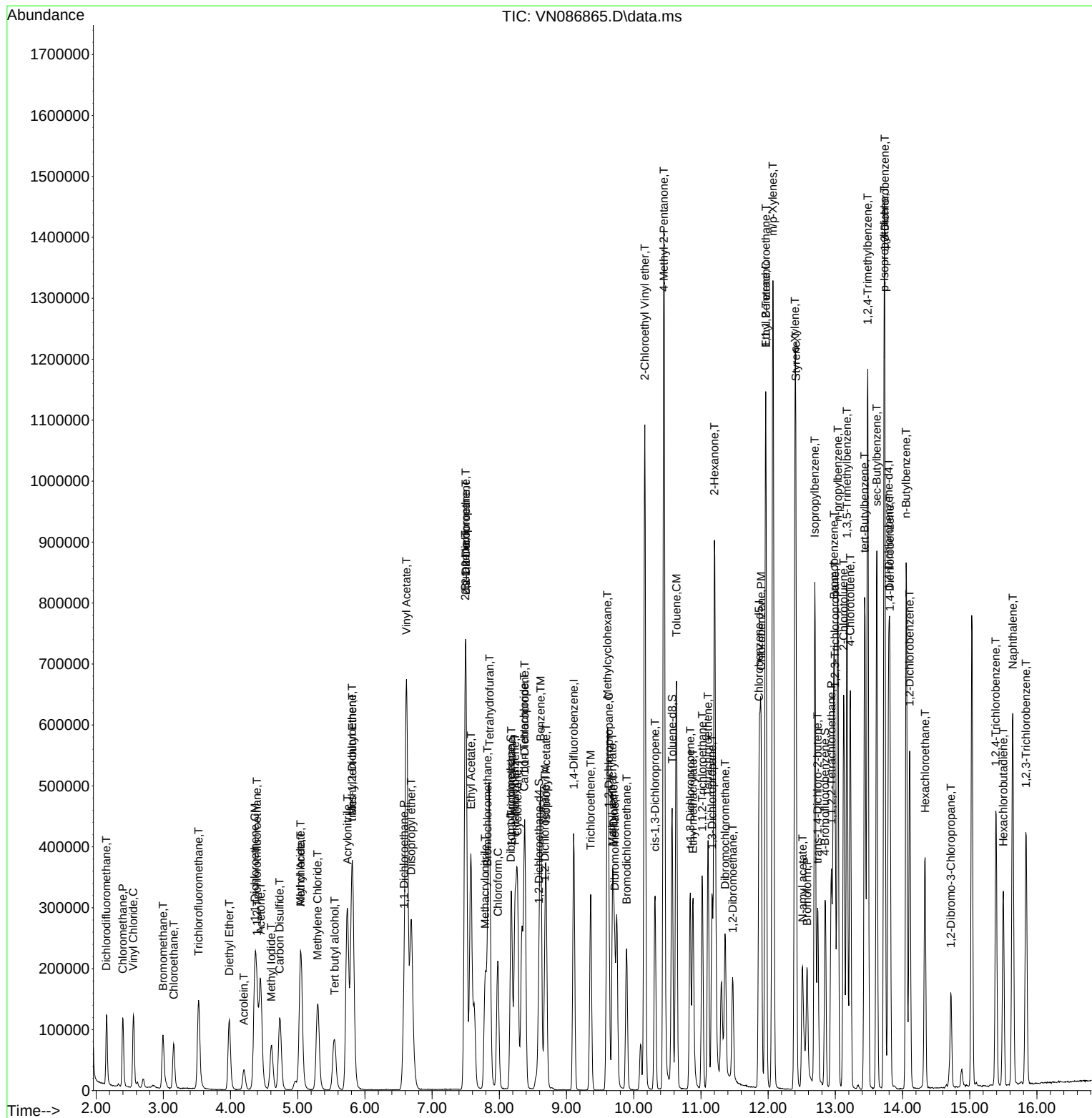
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086866.D
 Acq On : 06 Jun 2025 14:26
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	181996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	290313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238957	98.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.120%#			
35) Dibromofluoromethane	8.177	113	195212	100.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.980%#			
50) Toluene-d8	10.570	98	772210	100.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.840%#			
62) 4-Bromofluorobenzene	12.847	95	292385	102.339	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.680%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	194799	107.350	ug/l	100
3) Chloromethane	2.395	50	224558	95.833	ug/l	98
4) Vinyl Chloride	2.553	62	245135	101.414	ug/l	98
5) Bromomethane	2.977	94	137967	101.996	ug/l	99
6) Chloroethane	3.147	64	152150	97.447	ug/l	97
7) Trichlorofluoromethane	3.524	101	312394	98.917	ug/l	99
8) Diethyl Ether	3.983	74	139844	101.631	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	198739	100.163	ug/l	99
10) Methyl Iodide	4.612	142	262771	102.162	ug/l	99
11) Tert butyl alcohol	5.547	59	327987	496.062	ug/l	99
12) 1,1-Dichloroethene	4.359	96	200212	98.838	ug/l	99
13) Acrolein	4.200	56	94171	449.961	ug/l	98
14) Allyl chloride	5.047	41	329412	98.055	ug/l	99
15) Acrylonitrile	5.735	53	770470	498.552	ug/l	99
16) Acetone	4.447	43	608178	470.648	ug/l	98
17) Carbon Disulfide	4.736	76	544511	97.179	ug/l	100
18) Methyl Acetate	5.047	43	381808	101.390	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	735694	100.306	ug/l	100
20) Methylene Chloride	5.294	84	228800	94.575	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	215177	95.476	ug/l	99
22) Diisopropyl ether	6.688	45	696881	98.409	ug/l	98
23) Vinyl Acetate	6.618	43	2919350	487.936	ug/l	100
24) 1,1-Dichloroethane	6.588	63	404207	99.186	ug/l	99
25) 2-Butanone	7.494	43	1043385	496.743	ug/l	100
26) 2,2-Dichloropropane	7.500	77	331995	104.729	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	265248	98.410	ug/l	99
28) Bromochloromethane	7.824	49	188050	93.851	ug/l	99
29) Tetrahydrofuran	7.847	42	677636	495.240	ug/l	99
30) Chloroform	7.977	83	394927	97.040	ug/l	99
31) Cyclohexane	8.265	56	374933	94.869	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	336819	97.306	ug/l	99
36) 1,1-Dichloropropene	8.382	75	289907	100.156	ug/l	99
37) Ethyl Acetate	7.571	43	370652	100.591	ug/l	99
38) Carbon Tetrachloride	8.371	117	285325	100.404	ug/l	98
39) Methylcyclohexane	9.606	83	395603	99.758	ug/l	99
40) Benzene	8.612	78	927083	97.946	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086866.D
 Acq On : 06 Jun 2025 14:26
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/09/2025

Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M

Quant Title : SW846 8260

QLast Update : Sat Jun 07 01:51:02 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	195946	94.688	ug/l	95
42) 1,2-Dichloroethane	8.676	62	282015	98.232	ug/l	100
43) Isopropyl Acetate	8.694	43	579464	97.981	ug/l	99
44) Trichloroethene	9.359	130	222822	99.280	ug/l	97
45) 1,2-Dichloropropane	9.629	63	230454	100.077	ug/l	98
46) Dibromomethane	9.712	93	155530	101.685	ug/l	99
47) Bromodichloromethane	9.894	83	316375	100.533	ug/l	100
48) Methyl methacrylate	9.682	41	275710	101.288	ug/l	99
49) 1,4-Dioxane	9.706	88	104771	2115.744	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	1843274	517.729	ug/l	99
52) Toluene	10.635	92	578978	100.092	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	359200	102.077	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	383030	101.730	ug/l	99
55) 1,1,2-Trichloroethane	11.017	97	219922	98.808	ug/l	98
56) Ethyl methacrylate	10.882	69	389802	109.955	ug/l	99
57) 1,3-Dichloropropane	11.165	76	382510	99.069	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	1113523	526.621	ug/l	100
59) 2-Hexanone	11.200	43	1301539	567.535	ug/l	99
60) Dibromochloromethane	11.359	129	237965	102.616	ug/l	100
61) 1,2-Dibromoethane	11.470	107	232214	101.787	ug/l	98
64) Tetrachloroethene	11.106	164	181568	98.824	ug/l	94
65) Chlorobenzene	11.894	112	632563	98.793	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	206895	100.521	ug/l	100
67) Ethyl Benzene	11.964	91	1110803	100.717	ug/l	99
68) m/p-Xylenes	12.070	106	854557	202.411	ug/l	99
69) o-Xylene	12.400	106	412719	102.070	ug/l	100
70) Styrene	12.412	104	713548	103.127	ug/l	100
71) Bromoform	12.576	173	165781	108.707	ug/l #	99
73) Isopropylbenzene	12.694	105	1065297	99.410	ug/l	100
74) N-amyl acetate	12.506	43	403587	113.475	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	354386	97.616	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	353334m	100.738	ug/l	
77) Bromobenzene	12.982	156	246413	100.266	ug/l	99
78) n-propylbenzene	13.035	91	1301631	99.948	ug/l	100
79) 2-Chlorotoluene	13.123	91	770308	98.630	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	901317	101.873	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	160736	105.820	ug/l	92
82) 4-Chlorotoluene	13.223	91	783657	99.166	ug/l	100
83) tert-Butylbenzene	13.435	119	807528	99.710	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	904794	101.983	ug/l	100
85) sec-Butylbenzene	13.617	105	1182155	100.513	ug/l	99
86) p-Isopropyltoluene	13.729	119	990273	101.857	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	474162	98.063	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	483003	97.978	ug/l	99
89) n-Butylbenzene	14.053	91	937913	99.598	ug/l	100
90) Hexachloroethane	14.335	117	169772	103.019	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	458049	98.602	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	83243	95.877	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	298870	100.751	ug/l	99
94) Hexachlorobutadiene	15.500	225	112496	101.789	ug/l	98
95) Naphthalene	15.641	128	1129434	102.290	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	294127	99.796	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

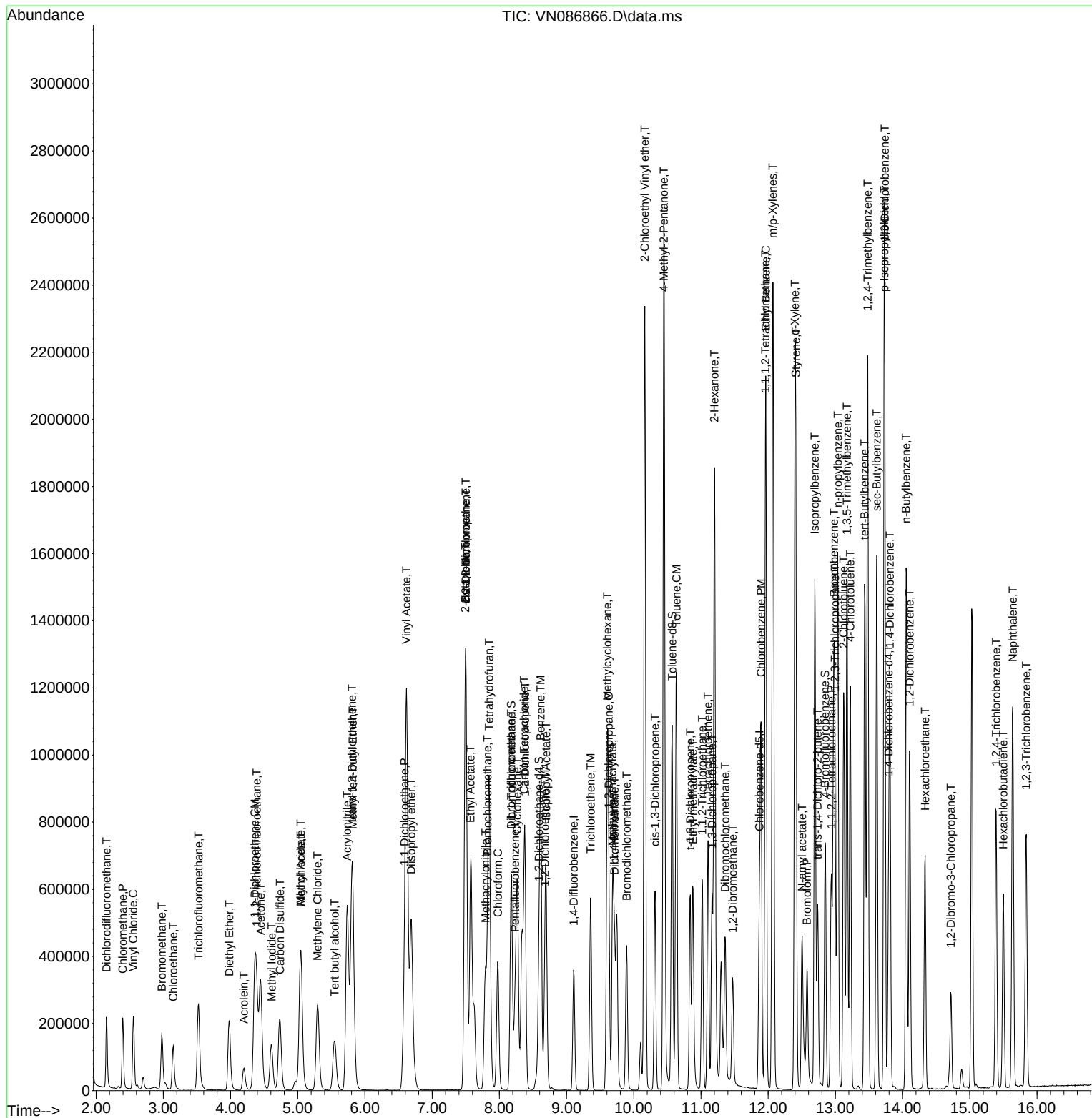
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 Data File : VN086866.D
 Acq On : 06 Jun 2025 14:26
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086867.D
 Acq On : 06 Jun 2025 14:49
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	172832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	278552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	389297	168.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 336.460%#			
35) Dibromofluoromethane	8.176	113	324474	177.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 355.600%#			
50) Toluene-d8	10.570	98	1272348	176.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 352.240%#			
62) 4-Bromofluorobenzene	12.847	95	481421	179.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 358.720%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	262143	152.122	ug/l	100
3) Chloromethane	2.394	50	304558	136.865	ug/l	100
4) Vinyl Chloride	2.553	62	335834	146.303	ug/l	100
5) Bromomethane	2.965	94	190786	148.522	ug/l	98
6) Chloroethane	3.136	64	208568	140.664	ug/l	96
7) Trichlorofluoromethane	3.518	101	427871	142.666	ug/l	100
8) Diethyl Ether	3.983	74	191555	146.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.388	101	269810	143.192	ug/l	100
10) Methyl Iodide	4.606	142	352020	144.118	ug/l	99
11) Tert butyl alcohol	5.553	59	430866	686.213	ug/l	100
12) 1,1-Dichloroethene	4.353	96	273388	142.118	ug/l	98
13) Acrolein	4.194	56	171625	863.526	ug/l	99
14) Allyl chloride	5.035	41	490852	153.858	ug/l	92
15) Acrylonitrile	5.735	53	1048372	714.344	ug/l	99
16) Acetone	4.447	43	819041	667.435	ug/l	100
17) Carbon Disulfide	4.730	76	742788	139.594	ug/l	100
18) Methyl Acetate	5.041	43	523996	146.527	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	998781	143.396	ug/l	99
20) Methylene Chloride	5.300	84	311597	135.628	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	290960	135.947	ug/l	97
22) Diisopropyl ether	6.688	45	947638	140.915	ug/l	98
23) Vinyl Acetate	6.618	43	3932872	692.189	ug/l	99
24) 1,1-Dichloroethane	6.582	63	540881	139.761	ug/l	99
25) 2-Butanone	7.494	43	1381940	692.809	ug/l	99
26) 2,2-Dichloropropane	7.500	77	450112	149.519	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	363398	141.974	ug/l	99
28) Bromochloromethane	7.824	49	290594	152.718	ug/l	98
29) Tetrahydrofuran	7.847	42	898159	691.211	ug/l	98
30) Chloroform	7.976	83	534038	138.179	ug/l	97
31) Cyclohexane	8.265	56	505795	134.766	ug/l	96
32) 1,1,1-Trichloroethane	8.176	97	462854	140.807	ug/l	99
36) 1,1-Dichloropropene	8.376	75	393166	144.584	ug/l	100
37) Ethyl Acetate	7.571	43	494000	142.706	ug/l	99
38) Carbon Tetrachloride	8.371	117	388595	145.557	ug/l	98
39) Methylcyclohexane	9.606	83	544437	146.136	ug/l	97
40) Benzene	8.612	78	1266139	142.388	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086867.D
 Acq On : 06 Jun 2025 14:49
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 01:51:02 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	276400	142.174	ug/l	98
42) 1,2-Dichloroethane	8.676	62	381516	141.455	ug/l	100
43) Isopropyl Acetate	8.694	43	780791	140.531	ug/l	99
44) Trichloroethene	9.359	130	302548	143.490	ug/l	96
45) 1,2-Dichloropropane	9.623	63	309047	142.856	ug/l	100
46) Dibromomethane	9.712	93	208461	145.074	ug/l	100
47) Bromodichloromethane	9.894	83	430011	145.449	ug/l	100
48) Methyl methacrylate	9.688	41	366967	143.502	ug/l	99
49) 1,4-Dioxane	9.712	88	138035	2967.116	ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	2438311	728.995	ug/l	98
52) Toluene	10.635	92	793270	145.976	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	489809	148.163	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	518092	146.469	ug/l	99
55) 1,1,2-Trichloroethane	11.017	97	298151	142.588	ug/l	99
56) Ethyl methacrylate	10.876	69	533912	160.311	ug/l	98
57) 1,3-Dichloropropane	11.165	76	516391	142.363	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	1869543	941.147	ug/l	99
59) 2-Hexanone	11.200	43	1735777	805.662	ug/l	99
60) Dibromochloromethane	11.365	129	322064	147.832	ug/l	98
61) 1,2-Dibromoethane	11.470	107	314606	146.790	ug/l	99
64) Tetrachloroethene	11.106	164	245122	139.048	ug/l	97
65) Chlorobenzene	11.894	112	860345	140.041	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	282739	143.171	ug/l	99
67) Ethyl Benzene	11.964	91	1517883	143.438	ug/l	98
68) m/p-Xylenes	12.070	106	1175378	290.155	ug/l	99
69) o-Xylene	12.400	106	566301	145.966	ug/l	100
70) Styrene	12.411	104	972318	146.459	ug/l	100
71) Bromoform	12.582	173	223200	152.538	ug/l #	99
73) Isopropylbenzene	12.694	105	1453651	146.042	ug/l	100
74) N-amyl acetate	12.500	43	543747	164.596	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	474426	140.693	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	468041m	143.665	ug/l	
77) Bromobenzene	12.982	156	335734	147.077	ug/l	98
78) n-propylbenzene	13.035	91	1769694	146.301	ug/l	99
79) 2-Chlorotoluene	13.123	91	1046916	144.317	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1210325	147.279	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	216253	153.277	ug/l	95
82) 4-Chlorotoluene	13.223	91	1063581	144.900	ug/l	100
83) tert-Butylbenzene	13.435	119	1093406	145.352	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	1216529	147.626	ug/l	100
85) sec-Butylbenzene	13.617	105	1582762	144.885	ug/l	99
86) p-Isopropyltoluene	13.729	119	1322780	146.482	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	641966	142.939	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	646188	141.124	ug/l	99
89) n-Butylbenzene	14.053	91	1251819	143.117	ug/l	100
90) Hexachloroethane	14.335	117	230195	150.387	ug/l	98
91) 1,2-Dichlorobenzene	14.105	146	613177	142.108	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	110677	137.242	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	407621	147.940	ug/l	99
94) Hexachlorobutadiene	15.500	225	151172	147.264	ug/l	98
95) Naphthalene	15.641	128	1545981	150.743	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	404450	147.743	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By : John Carlone 06/09/2025
Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

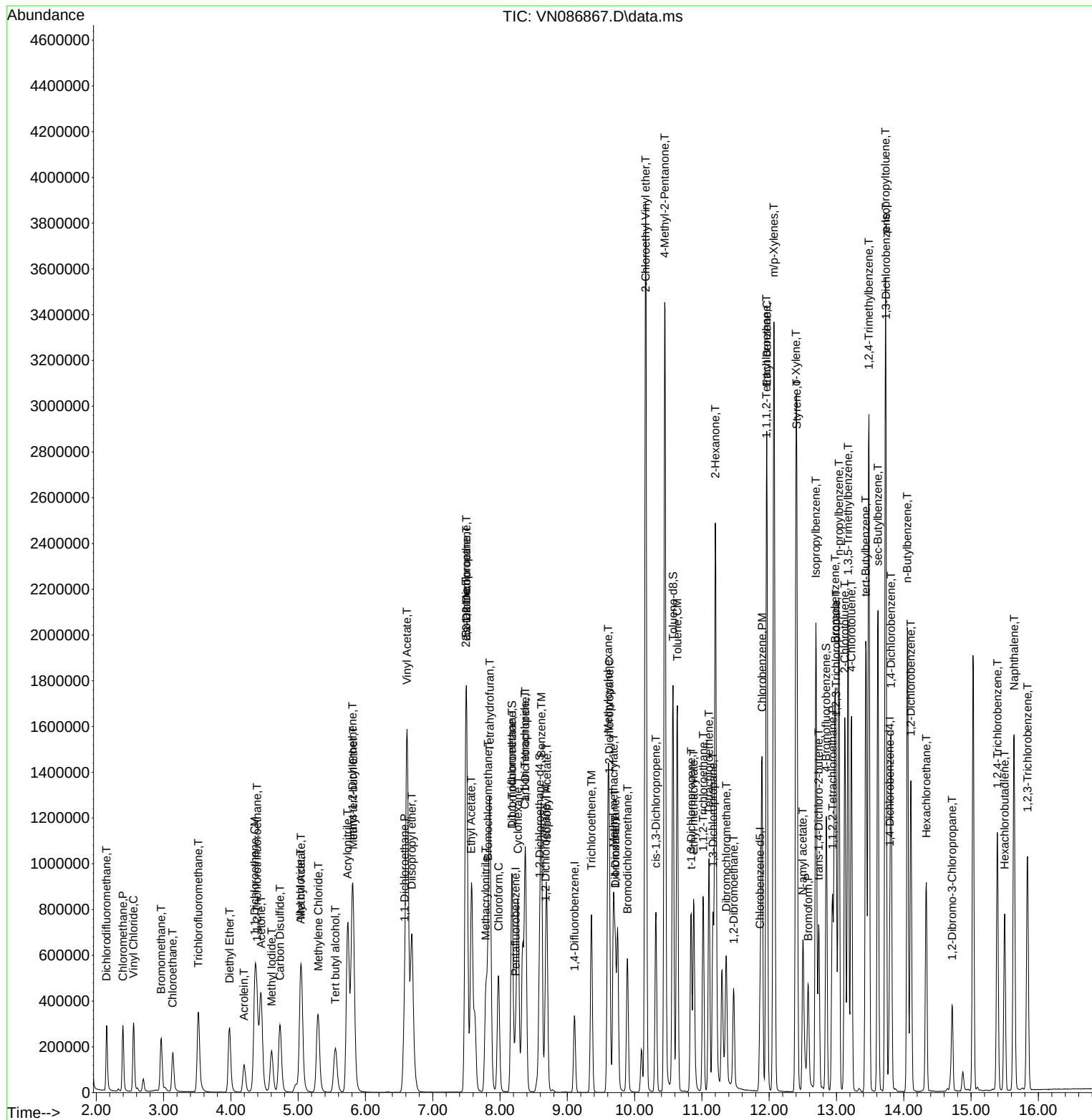
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086869.D
 Acq On : 06 Jun 2025 15:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060625

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	218122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	152255	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	127102	54.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	491265	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	185792	54.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.154	85	120237	55.286	ug/l	99
3) Chloromethane	2.401	50	139027	49.505	ug/l	99
4) Vinyl Chloride	2.554	62	151951	52.451	ug/l	99
5) Bromomethane	2.989	94	89638	55.292	ug/l	95
6) Chloroethane	3.154	64	95654	51.117	ug/l	96
7) Trichlorofluoromethane	3.524	101	196138	51.819	ug/l	97
8) Diethyl Ether	3.983	74	87405	53.001	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	127498	53.615	ug/l	99
10) Methyl Iodide	4.612	142	164080	53.227	ug/l	97
11) Tert butyl alcohol	5.542	59	207768	262.193	ug/l	99
12) 1,1-Dichloroethene	4.359	96	125461	51.678	ug/l	99
13) Acrolein	4.195	56	60336	240.545	ug/l	98
14) Allyl chloride	5.042	41	203344	50.504	ug/l	98
15) Acrylonitrile	5.736	53	479502	258.885	ug/l	100
16) Acetone	4.448	43	382146	246.750	ug/l	98
17) Carbon Disulfide	4.736	76	339466	50.550	ug/l	100
18) Methyl Acetate	5.042	43	234290	51.912	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	454641	51.720	ug/l	100
20) Methylene Chloride	5.295	84	143862	49.617	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	133535	49.437	ug/l	99
22) Diisopropyl ether	6.689	45	440080	51.853	ug/l	99
23) Vinyl Acetate	6.618	43	1828919	255.055	ug/l	99
24) 1,1-Dichloroethane	6.589	63	251473	51.487	ug/l	98
25) 2-Butanone	7.494	43	644194	255.897	ug/l	99
26) 2,2-Dichloropropane	7.500	77	216678	57.031	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	164985	51.073	ug/l	99
28) Bromochloromethane	7.824	49	108810	45.310	ug/l	99
29) Tetrahydrofuran	7.847	42	420891	256.656	ug/l	100
30) Chloroform	7.977	83	248429	50.933	ug/l	97
31) Cyclohexane	8.265	56	237836	50.212	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	209927	50.603	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181414	52.123	ug/l	99
37) Ethyl Acetate	7.571	43	222090	50.125	ug/l	99
38) Carbon Tetrachloride	8.371	117	179281	52.466	ug/l	98
39) Methylcyclohexane	9.606	83	251231	52.686	ug/l	98
40) Benzene	8.612	78	579667	50.931	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086869.D
 Acq On : 06 Jun 2025 15:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060625

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/09/2025
 Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	130903	52.607	ug/l	100
42) 1,2-Dichloroethane	8.677	62	177746	51.489	ug/l	100
43) Isopropyl Acetate	8.694	43	359378	50.536	ug/l	100
44) Trichloroethene	9.359	130	139763	51.788	ug/l	100
45) 1,2-Dichloropropane	9.624	63	142463	51.450	ug/l	99
46) Dibromomethane	9.712	93	97199	52.849	ug/l	98
47) Bromodichloromethane	9.894	83	196104	51.824	ug/l	100
48) Methyl methacrylate	9.688	41	168001	51.328	ug/l	98
49) 1,4-Dioxane	9.706	88	66102	1110.123	ug/l #	99
51) 4-Methyl-2-Pentanone	10.447	43	1146622	267.835	ug/l	99
52) Toluene	10.635	92	361963	52.040	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	224839	53.137	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	237774	52.519	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	137998	51.562	ug/l	99
56) Ethyl methacrylate	10.882	69	241649	56.688	ug/l	98
57) 1,3-Dichloropropane	11.165	76	238572	51.386	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	625479	246.006	ug/l	100
59) 2-Hexanone	11.200	43	781717	283.478	ug/l	100
60) Dibromochloromethane	11.359	129	146749	52.627	ug/l	99
61) 1,2-Dibromoethane	11.471	107	142338	51.887	ug/l	99
64) Tetrachloroethene	11.106	164	111409	50.450	ug/l	98
65) Chlorobenzene	11.894	112	391661	50.892	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	129045	52.164	ug/l	99
67) Ethyl Benzene	11.965	91	683879	51.590	ug/l	98
68) m/p-Xylenes	12.071	106	527293	103.912	ug/l	98
69) o-Xylene	12.400	106	254600	52.387	ug/l	100
70) Styrene	12.412	104	438751	52.758	ug/l	99
71) Bromoform	12.582	173	100357	54.751	ug/l #	99
73) Isopropylbenzene	12.694	105	652045	51.823	ug/l	100
74) N-amyl acetate	12.506	43	238355	54.212	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	220643	51.763	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	220957m	53.821	ug/l	
77) Bromobenzene	12.982	156	150950	52.313	ug/l	100
78) n-propylbenzene	13.035	91	801180	52.397	ug/l	100
79) 2-Chlorotoluene	13.123	91	473629	51.650	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	548347	52.787	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	99341	55.702	ug/l	97
82) 4-Chlorotoluene	13.223	91	481403	51.884	ug/l	99
83) tert-Butylbenzene	13.441	119	499519	52.532	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	552333	53.024	ug/l	100
85) sec-Butylbenzene	13.618	105	723986	52.428	ug/l	100
86) p-Isopropyltoluene	13.729	119	606979	53.174	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	290810	51.224	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	298412	51.557	ug/l	100
89) n-Butylbenzene	14.059	91	579636	52.424	ug/l	100
90) Hexachloroethane	14.335	117	102254	52.847	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	280025	51.340	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50115	49.161	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	181064	51.986	ug/l	99
94) Hexachlorobutadiene	15.500	225	68570	52.843	ug/l	99
95) Naphthalene	15.641	128	674187	52.005	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	174888	50.539	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

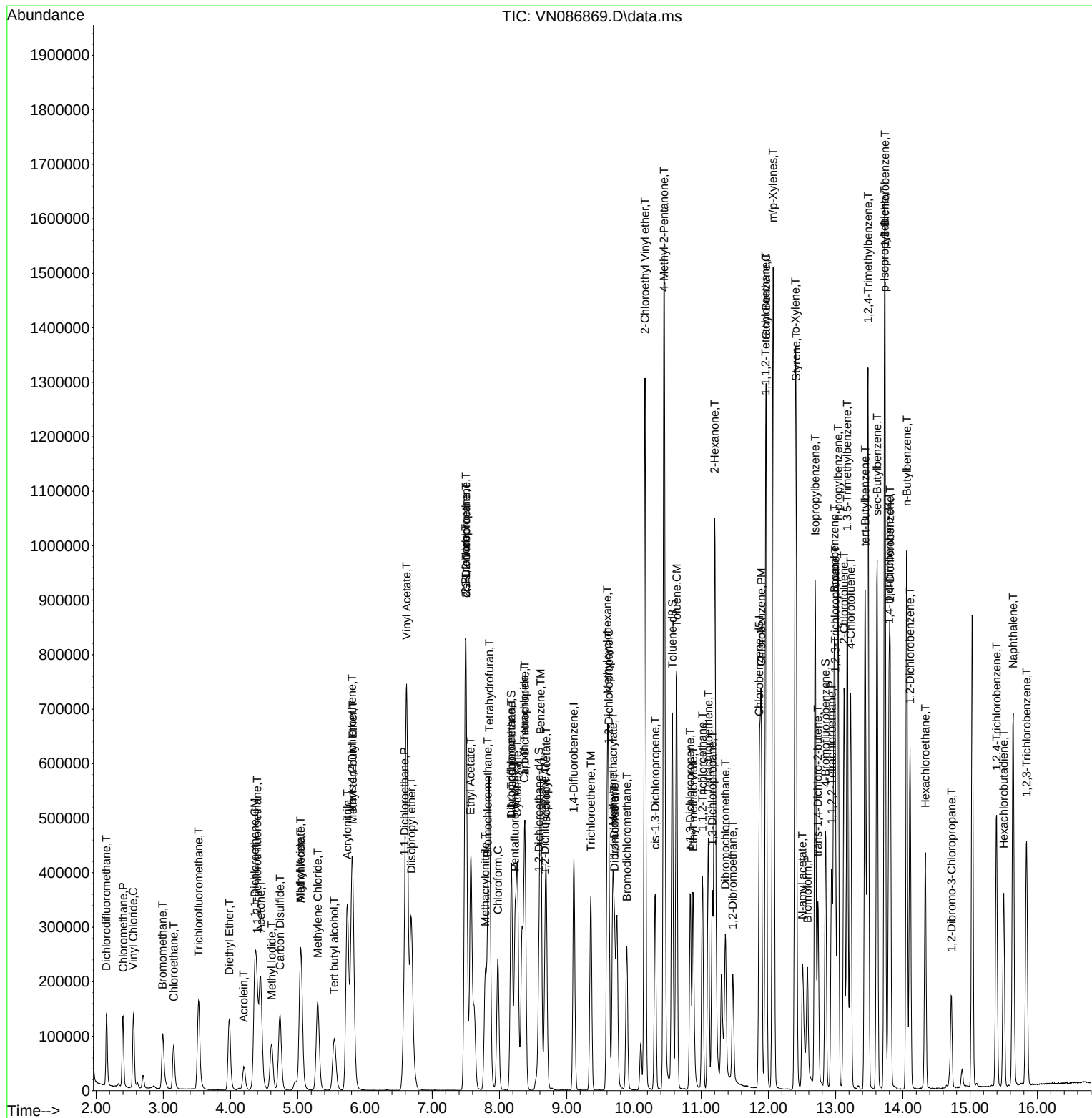
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086869.D
 Acq On : 06 Jun 2025 15:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060625

Quant Time: Jun 07 02:16:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	105	0.00
2 T	Dichlorodifluoromethane	0.499	0.551	-10.4	116	0.00
3 P	Chloromethane	0.644	0.637	1.1	112	0.00
4 C	Vinyl Chloride	0.664	0.697	-5.0#	114	0.00
5 T	Bromomethane	0.372	0.411	-10.5	121	0.00
6 T	Chloroethane	0.429	0.439	-2.3	113	0.00
7 T	Trichlorofluoromethane	0.868	0.899	-3.6	113	0.00
8 T	Diethyl Ether	0.378	0.401	-6.1	116	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.545	0.585	-7.3	118	0.00
10 T	Methyl Iodide	0.707	0.752	-6.4	116	0.00
11 T	Tert butyl alcohol	0.182	0.191	-4.9	114	0.00
12 CM	1,1-Dichloroethene	0.557	0.575	-3.2#	113	0.00
13 T	Acrolein	0.057	0.055	3.5	128	0.00
14 T	Allyl chloride	0.923	0.932	-1.0	113	0.00
15 T	Acrylonitrile	0.425	0.440	-3.5	114	0.00
16 T	Acetone	0.355	0.350	1.4	114	0.00
17 T	Carbon Disulfide	1.539	1.556	-1.1	115	0.00
18 T	Methyl Acetate	1.035	1.074	-3.8	115	0.00
19 T	Methyl tert-butyl Ether	2.015	2.084	-3.4	113	0.00
20 T	Methylene Chloride	0.665	0.660	0.8	115	0.00
21 T	trans-1,2-Dichloroethene	0.619	0.612	1.1	113	0.00
22 T	Diisopropyl ether	1.945	2.018	-3.8	114	0.00
23 T	Vinyl Acetate	1.644	1.677	-2.0	111	0.00
24 P	1,1-Dichloroethane	1.120	1.153	-2.9	114	0.00
25 T	2-Butanone	0.577	0.591	-2.4	113	0.00
26 T	2,2-Dichloropropane	0.871	0.993	-14.0	116	0.00
27 T	cis-1,2-Dichloroethene	0.740	0.756	-2.2	114	0.00
28 T	Bromochloromethane	0.550	0.499	9.3	113	0.00
29 T	Tetrahydrofuran	0.376	0.386	-2.7	113	0.00
30 C	Chloroform	1.118	1.139	-1.9#	113	0.00
31 T	Cyclohexane	1.086	1.090	-0.4	114	0.00
32 T	1,1,1-Trichloroethane	0.951	0.962	-1.2	113	0.00
33 S	1,2-Dichloroethane-d4	0.669	0.698	-4.3	147	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35 S	Dibromofluoromethane	0.296	0.322	-8.8	153#	0.00
36 T	1,1-Dichloropropene	0.442	0.460	-4.1	115	0.00
37 T	Ethyl Acetate	0.562	0.563	-0.2	109	0.00
38 T	Carbon Tetrachloride	0.433	0.455	-5.1	116	0.00
39 T	Methylcyclohexane	0.605	0.637	-5.3	116	0.00
40 TM	Benzene	1.444	1.471	-1.9	114	0.00
41 T	Methacrylonitrile	0.316	0.332	-5.1	114	0.00
42 TM	1,2-Dichloroethane	0.438	0.451	-3.0	114	0.00
43 T	Isopropyl Acetate	0.902	0.912	-1.1	111	0.00
44 TM	Trichloroethene	0.342	0.355	-3.8	113	0.00
45 C	1,2-Dichloropropane	0.351	0.361	-2.8#	113	0.00
46 T	Dibromomethane	0.233	0.247	-6.0	116	0.00
47 T	Bromodichloromethane	0.480	0.498	-3.8	113	0.00
48 T	Methyl methacrylate	0.415	0.426	-2.7	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086869.D
 Acq On : 06 Jun 2025 15:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN060625

Quant Time: Jun 07 02:16:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	0.008	0.008	0.0	112	0.00
50 S	Toluene-d8	1.173	1.246	-6.2	151#	0.00
51 T	4-Methyl-2-Pentanone	0.543	0.582	-7.2	113	0.00
52 CM	Toluene	0.882	0.918	-4.1#	114	0.00
53 T	t-1,3-Dichloropropene	0.537	0.570	-6.1	114	0.00
54 T	cis-1,3-Dichloropropene	0.574	0.603	-5.1	114	0.00
55 T	1,1,2-Trichloroethane	0.340	0.350	-2.9	113	0.00
56 T	Ethyl methacrylate	0.541	0.613	-13.3	115	0.00
57 T	1,3-Dichloropropane	0.589	0.605	-2.7	112	0.00
58 T	2-Chloroethyl Vinyl ether	0.323	0.317	1.9	120	0.00
59 T	2-Hexanone	0.350	0.397	-13.4	112	0.00
60 T	Dibromochloromethane	0.354	0.372	-5.1	114	0.00
61 T	1,2-Dibromoethane	0.348	0.361	-3.7	114	0.00
62 S	4-Bromofluorobenzene	0.436	0.471	-8.0	151#	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.316	0.319	-0.9	114	0.00
65 PM	Chlorobenzene	1.103	1.122	-1.7	115	0.00
66 T	1,1,1,2-Tetrachloroethane	0.354	0.370	-4.5	115	0.00
67 C	Ethyl Benzene	1.899	1.960	-3.2#	114	0.00
68 T	m/p-Xylenes	0.727	0.756	-4.0	113	0.00
69 T	o-Xylene	0.696	0.730	-4.9	114	0.00
70 T	Styrene	1.192	1.257	-5.5	113	0.00
71 P	Bromoform	0.263	0.288	-9.5	114	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73 T	Isopropylbenzene	3.643	3.775	-3.6	114	0.00
74 T	N-amyl acetate	1.273	1.380	-8.4	112	0.00
75 P	1,1,2,2-Tetrachloroethane	1.234	1.278	-3.6	112	0.00
76 T	1,2,3-Trichloropropane	1.189	1.279	-7.6	112	0.00
77 T	Bromobenzene	0.835	0.874	-4.7	114	0.00
78 T	n-propylbenzene	4.427	4.639	-4.8	114	0.00
79 T	2-Chlorotoluene	2.655	2.742	-3.3	113	0.00
80 T	1,3,5-Trimethylbenzene	3.007	3.175	-5.6	113	0.00
81 T	trans-1,4-Dichloro-2-butene	0.516	0.575	-11.4	125	0.00
82 T	4-Chlorotoluene	2.686	2.787	-3.8	114	0.00
83 T	tert-Butylbenzene	2.753	2.892	-5.0	114	0.00
84 T	1,2,4-Trimethylbenzene	3.016	3.198	-6.0	113	0.00
85 T	sec-Butylbenzene	3.998	4.192	-4.9	113	0.00
86 T	p-Isopropyltoluene	3.305	3.514	-6.3	114	0.00
87 T	1,3-Dichlorobenzene	1.644	1.684	-2.4	112	0.00
88 T	1,4-Dichlorobenzene	1.676	1.728	-3.1	113	0.00
89 T	n-Butylbenzene	3.201	3.356	-4.8	113	0.00
90 T	Hexachloroethane	0.560	0.592	-5.7	114	0.00
91 T	1,2-Dichlorobenzene	1.579	1.621	-2.7	111	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.295	0.290	1.7	110	0.00
93 T	1,2,4-Trichlorobenzene	1.008	1.048	-4.0	112	0.00
94 T	Hexachlorobutadiene	0.376	0.397	-5.6	113	0.00
95 T	Naphthalene	3.753	3.904	-4.0	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
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	1.002	1.013	-1.1	110	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086869.D
 Acq On : 06 Jun 2025 15:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN060625

Quant Time: Jun 07 02:16:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	105	0.00
2 T	Dichlorodifluoromethane	50.000	55.286	-10.6	116	0.00
3 P	Chloromethane	50.000	49.505	1.0	112	0.00
4 C	Vinyl Chloride	50.000	52.451	-4.9#	114	0.00
5 T	Bromomethane	50.000	55.292	-10.6	121	0.00
6 T	Chloroethane	50.000	51.117	-2.2	113	0.00
7 T	Trichlorofluoromethane	50.000	51.819	-3.6	113	0.00
8 T	Diethyl Ether	50.000	53.001	-6.0	116	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.615	-7.2	118	0.00
10 T	Methyl Iodide	50.000	53.227	-6.5	116	0.00
11 T	Tert butyl alcohol	250.000	262.193	-4.9	114	0.00
12 CM	1,1-Dichloroethene	50.000	51.678	-3.4#	113	0.00
13 T	Acrolein	250.000	240.545	3.8	128	0.00
14 T	Allyl chloride	50.000	50.504	-1.0	113	0.00
15 T	Acrylonitrile	250.000	258.885	-3.6	114	0.00
16 T	Acetone	250.000	246.750	1.3	114	0.00
17 T	Carbon Disulfide	50.000	50.550	-1.1	115	0.00
18 T	Methyl Acetate	50.000	51.912	-3.8	115	0.00
19 T	Methyl tert-butyl Ether	50.000	51.720	-3.4	113	0.00
20 T	Methylene Chloride	50.000	49.617	0.8	115	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.437	1.1	113	0.00
22 T	Diisopropyl ether	50.000	51.853	-3.7	114	0.00
23 T	Vinyl Acetate	250.000	255.055	-2.0	111	0.00
24 P	1,1-Dichloroethane	50.000	51.487	-3.0	114	0.00
25 T	2-Butanone	250.000	255.897	-2.4	113	0.00
26 T	2,2-Dichloropropane	50.000	57.031	-14.1	116	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.073	-2.1	114	0.00
28 T	Bromochloromethane	50.000	45.310	9.4	113	0.00
29 T	Tetrahydrofuran	250.000	256.656	-2.7	113	0.00
30 C	Chloroform	50.000	50.933	-1.9#	113	0.00
31 T	Cyclohexane	50.000	50.212	-0.4	114	0.00
32 T	1,1,1-Trichloroethane	50.000	50.603	-1.2	113	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.135	-4.3	147	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35 S	Dibromofluoromethane	50.000	54.416	-8.8	153	0.00
36 T	1,1-Dichloropropene	50.000	52.123	-4.2	115	0.00
37 T	Ethyl Acetate	50.000	50.125	-0.3	109	0.00
38 T	Carbon Tetrachloride	50.000	52.466	-4.9	116	0.00
39 T	Methylcyclohexane	50.000	52.686	-5.4	116	0.00
40 TM	Benzene	50.000	50.931	-1.9	114	0.00
41 T	Methacrylonitrile	50.000	52.607	-5.2	114	0.00
42 TM	1,2-Dichloroethane	50.000	51.489	-3.0	114	0.00
43 T	Isopropyl Acetate	50.000	50.536	-1.1	111	0.00
44 TM	Trichloroethene	50.000	51.788	-3.6	113	0.00
45 C	1,2-Dichloropropane	50.000	51.450	-2.9#	113	0.00
46 T	Dibromomethane	50.000	52.849	-5.7	116	0.00
47 T	Bromodichloromethane	50.000	51.824	-3.6	113	0.00
48 T	Methyl methacrylate	50.000	51.328	-2.7	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086869.D
 Acq On : 06 Jun 2025 15:54
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN060625

Quant Time: Jun 07 02:16:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	1110.123	-11.0	112	0.00
50 S	Toluene-d8	50.000	53.129	-6.3	151	0.00
51 T	4-Methyl-2-Pentanone	250.000	267.835	-7.1	113	0.00
52 CM	Toluene	50.000	52.040	-4.1#	114	0.00
53 T	t-1,3-Dichloropropene	50.000	53.137	-6.3	114	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.519	-5.0	114	0.00
55 T	1,1,2-Trichloroethane	50.000	51.562	-3.1	113	0.00
56 T	Ethyl methacrylate	50.000	56.688	-13.4	115	0.00
57 T	1,3-Dichloropropane	50.000	51.386	-2.8	112	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	246.006	1.6	120	0.00
59 T	2-Hexanone	250.000	283.478	-13.4	112	0.00
60 T	Dibromochloromethane	50.000	52.627	-5.3	114	0.00
61 T	1,2-Dibromoethane	50.000	51.887	-3.8	114	0.00
62 S	4-Bromofluorobenzene	50.000	54.081	-8.2	151	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	50.450	-0.9	114	0.00
65 PM	Chlorobenzene	50.000	50.892	-1.8	115	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.164	-4.3	115	0.00
67 C	Ethyl Benzene	50.000	51.590	-3.2#	114	0.00
68 T	m/p-Xylenes	100.000	103.912	-3.9	113	0.00
69 T	o-Xylene	50.000	52.387	-4.8	114	0.00
70 T	Styrene	50.000	52.758	-5.5	113	0.00
71 P	Bromoform	50.000	54.751	-9.5	114	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73 T	Isopropylbenzene	50.000	51.823	-3.6	114	0.00
74 T	N-amyl acetate	50.000	54.212	-8.4	112	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.763	-3.5	112	0.00
76 T	1,2,3-Trichloropropane	50.000	53.821	-7.6	112	0.00
77 T	Bromobenzene	50.000	52.313	-4.6	114	0.00
78 T	n-propylbenzene	50.000	52.397	-4.8	114	0.00
79 T	2-Chlorotoluene	50.000	51.650	-3.3	113	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.787	-5.6	113	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	55.702	-11.4	125	0.00
82 T	4-Chlorotoluene	50.000	51.884	-3.8	114	0.00
83 T	tert-Butylbenzene	50.000	52.532	-5.1	114	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.024	-6.0	113	0.00
85 T	sec-Butylbenzene	50.000	52.428	-4.9	113	0.00
86 T	p-Isopropyltoluene	50.000	53.174	-6.3	114	0.00
87 T	1,3-Dichlorobenzene	50.000	51.224	-2.4	112	0.00
88 T	1,4-Dichlorobenzene	50.000	51.557	-3.1	113	0.00
89 T	n-Butylbenzene	50.000	52.424	-4.8	113	0.00
90 T	Hexachloroethane	50.000	52.847	-5.7	114	0.00
91 T	1,2-Dichlorobenzene	50.000	51.340	-2.7	111	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.161	1.7	110	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.986	-4.0	112	0.00
94 T	Hexachlorobutadiene	50.000	52.843	-5.7	113	0.00
95 T	Naphthalene	50.000	52.005	-4.0	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
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	50.539	-1.1	110	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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: MSVOA_N Calibration Date/Time: 06/10/2025 09:13

Lab File ID: VN086913.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.502		0.6	20
Chloromethane	0.644	0.552	0.1	-14.29	20
Vinyl Chloride	0.664	0.653		-1.66	20
Bromomethane	0.372	0.358		-3.76	20
Chloroethane	0.429	0.421		-1.87	20
Trichlorofluoromethane	0.868	0.848		-2.3	20
1,1,2-Trichlorotrifluoroethane	0.545	0.530		-2.75	20
1,1-Dichloroethene	0.557	0.548		-1.62	20
Acetone	0.355	0.348		-1.97	20
Carbon Disulfide	1.539	1.428		-7.21	20
Methyl tert-butyl Ether	2.015	1.999		-0.79	20
Methyl Acetate	1.035	0.941		-9.08	20
Methylene Chloride	0.665	0.617		-7.22	20
trans-1,2-Dichloroethene	0.619	0.587		-5.17	20
1,1-Dichloroethane	1.120	1.079	0.1	-3.66	20
Cyclohexane	1.086	0.907		-16.48	20
2-Butanone	0.577	0.493		-14.56	20
Carbon Tetrachloride	0.433	0.429		-0.92	20
cis-1,2-Dichloroethene	0.740	0.721		-2.57	20
Bromochloromethane	0.550	0.473		-14	20
Chloroform	1.118	1.053		-5.81	20
1,1,1-Trichloroethane	0.951	0.894		-5.99	20
Methylcyclohexane	0.605	0.523		-13.55	20
Benzene	1.444	1.400		-3.05	20
1,2-Dichloroethane	0.438	0.426		-2.74	20
Trichloroethene	0.342	0.345		0.88	20
1,2-Dichloropropane	0.351	0.344		-1.99	20
Bromodichloromethane	0.480	0.479		-0.21	20
4-Methyl-2-Pentanone	0.543	0.513		-5.53	20
Toluene	0.882	0.871		-1.25	20
t-1,3-Dichloropropene	0.537	0.556		3.54	20
cis-1,3-Dichloropropene	0.574	0.592		3.14	20
1,1,2-Trichloroethane	0.340	0.338		-0.59	20
2-Hexanone	0.350	0.339		-3.14	20
Dibromochloromethane	0.354	0.363		2.54	20
1,2-Dibromoethane	0.348	0.350		0.57	20
Tetrachloroethene	0.316	0.308		-2.53	20
Chlorobenzene	1.103	1.117	0.3	1.27	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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: MSVOA_N Calibration Date/Time: 06/10/2025 09:13

Lab File ID: VN086913.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	1.844		-2.95	20
m/p-Xylenes	0.727	0.727		0	20
o-Xylene	0.696	0.714		2.59	20
Styrene	1.192	1.232		3.36	20
Bromoform	0.263	0.287	0.1	9.13	20
Isopropylbenzene	3.643	3.637		-0.19	20
1,1,2,2-Tetrachloroethane	1.234	1.268	0.3	2.76	20
1,3-Dichlorobenzene	1.644	1.678		2.07	20
1,4-Dichlorobenzene	1.676	1.702		1.55	20
1,2-Dichlorobenzene	1.579	1.605		1.65	20
1,2-Dibromo-3-Chloropropane	0.295	0.277		-6.1	20
1,2,4-Trichlorobenzene	1.008	0.918		-8.93	20
1,2,3-Trichlorobenzene	1.002	0.859		-14.27	20
1,2-Dichloroethane-d4	0.669	0.613		-8.37	20
Dibromofluoromethane	0.296	0.301		1.69	20
Toluene-d8	1.173	1.153		-1.71	20
4-Bromofluorobenzene	0.436	0.420		-3.67	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\VN061025\
 Data File : VN086913.D
 Acq On : 10 Jun 2025 09:13
 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 : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:47:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	239452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	422119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	170987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	146800	45.789	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.580%		
35) Dibromofluoromethane	8.171	113	127253	50.869	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.740%		
50) Toluene-d8	10.565	98	486698	49.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.300%		
62) 4-Bromofluorobenzene	12.847	95	177087	48.131	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.154	85	120199	50.345	ug/l	98
3) Chloromethane	2.395	50	132091	42.845	ug/l	99
4) Vinyl Chloride	2.554	62	156438	49.190	ug/l	98
5) Bromomethane	2.989	94	85611	48.104	ug/l	96
6) Chloroethane	3.154	64	100888	49.111	ug/l	96
7) Trichlorofluoromethane	3.530	101	203113	48.882	ug/l	99
8) Diethyl Ether	3.983	74	90847	50.181	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.395	101	126828	48.583	ug/l	98
10) Methyl Iodide	4.612	142	142941	42.239	ug/l	99
11) Tert butyl alcohol	5.536	59	177401	203.929	ug/l	99
12) 1,1-Dichloroethene	4.371	96	131127	49.200	ug/l	96
13) Acrolein	4.195	56	63063	229.021	ug/l	98
14) Allyl chloride	5.048	41	197016	44.573	ug/l	96
15) Acrylonitrile	5.736	53	467151	229.750	ug/l	100
16) Acetone	4.442	43	416888	245.204	ug/l	100
17) Carbon Disulfide	4.736	76	341962	46.386	ug/l	99
18) Methyl Acetate	5.042	43	225420	45.497	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	478684	49.605	ug/l	99
20) Methylene Chloride	5.295	84	147723	46.410	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	140464	47.370	ug/l	97
22) Diisopropyl ether	6.683	45	439557	47.178	ug/l	98
23) Vinyl Acetate	6.618	43	1865051	236.925	ug/l	98
24) 1,1-Dichloroethane	6.589	63	258382	48.190	ug/l	100
25) 2-Butanone	7.489	43	590344	213.617	ug/l	96
26) 2,2-Dichloropropane	7.500	77	225847	54.150	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	172582	48.666	ug/l	99
28) Bromochloromethane	7.824	49	113231	42.951	ug/l	92
29) Tetrahydrofuran	7.847	42	389154	216.165	ug/l	96
30) Chloroform	7.977	83	252183	47.097	ug/l	99
31) Cyclohexane	8.265	56	217182	41.767	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	214121	47.016	ug/l	98
36) 1,1-Dichloropropene	8.377	75	184378	49.463	ug/l	99
37) Ethyl Acetate	7.571	43	220517	46.471	ug/l	98
38) Carbon Tetrachloride	8.371	117	181026	49.466	ug/l	99
39) Methylcyclohexane	9.606	83	220974	43.269	ug/l	93
40) Benzene	8.612	78	591102	48.493	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086913.D
 Acq On : 10 Jun 2025 09:13
 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 : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:47:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	120605	45.256	ug/l	93
42) 1,2-Dichloroethane	8.677	62	179943	48.671	ug/l	100
43) Isopropyl Acetate	8.694	43	350324	45.998	ug/l	97
44) Trichloroethene	9.359	130	145683	50.404	ug/l	96
45) 1,2-Dichloropropane	9.624	63	145320	49.004	ug/l	100
46) Dibromomethane	9.712	93	99996	50.766	ug/l	99
47) Bromodichloromethane	9.888	83	202301	49.918	ug/l	99
48) Methyl methacrylate	9.683	41	159853	45.601	ug/l	96
49) 1,4-Dioxane	9.700	88	56947	892.983	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	1081942	235.975	ug/l	97
52) Toluene	10.630	92	367587	49.345	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	234554	51.759	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	249744	51.506	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	142700	49.785	ug/l	98
56) Ethyl methacrylate	10.877	69	248574	54.447	ug/l	93
57) 1,3-Dichloropropane	11.165	76	244911	49.255	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	665707	244.474	ug/l	97
59) 2-Hexanone	11.200	43	715095	242.131	ug/l	93
60) Dibromochloromethane	11.359	129	153400	51.366	ug/l	99
61) 1,2-Dibromoethane	11.471	107	147800	50.307	ug/l	97
64) Tetrachloroethene	11.106	164	111601	48.675	ug/l	97
65) Chlorobenzene	11.888	112	404797	50.661	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	132787	51.699	ug/l	99
67) Ethyl Benzene	11.965	91	668179	48.548	ug/l	99
68) m/p-Xylenes	12.071	106	526722	99.975	ug/l	99
69) o-Xylene	12.394	106	258839	51.297	ug/l	95
70) Styrene	12.412	104	446437	51.704	ug/l	99
71) Bromoform	12.576	173	104086	54.693	ug/l #	100
73) Isopropylbenzene	12.694	105	621794	49.917	ug/l	99
74) N-amyl acetate	12.506	43	231590	53.204	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.935	83	216753	51.363	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	182840m	44.986	ug/l	
77) Bromobenzene	12.976	156	154418	54.054	ug/l	97
78) n-propylbenzene	13.035	91	736021	48.621	ug/l	98
79) 2-Chlorotoluene	13.124	91	443618	48.865	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	505593	49.161	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	91865m	52.029	ug/l	
82) 4-Chlorotoluene	13.218	91	463176	50.423	ug/l	99
83) tert-Butylbenzene	13.435	119	440956	46.840	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	509675	49.422	ug/l	98
85) sec-Butylbenzene	13.612	105	629702	46.060	ug/l	99
86) p-Isopropyltoluene	13.729	119	535293	47.367	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	286869	51.039	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	290947	50.774	ug/l	100
89) n-Butylbenzene	14.053	91	485793	44.380	ug/l	99
90) Hexachloroethane	14.329	117	92000	48.027	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	274399	50.816	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	47339	46.906	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	156993	45.529	ug/l	99
94) Hexachlorobutadiene	15.500	225	48622	37.848	ug/l	95
95) Naphthalene	15.635	128	625189	48.711	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	146962	42.897	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086913.D
Acq On : 10 Jun 2025 09:13
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 :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:47:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

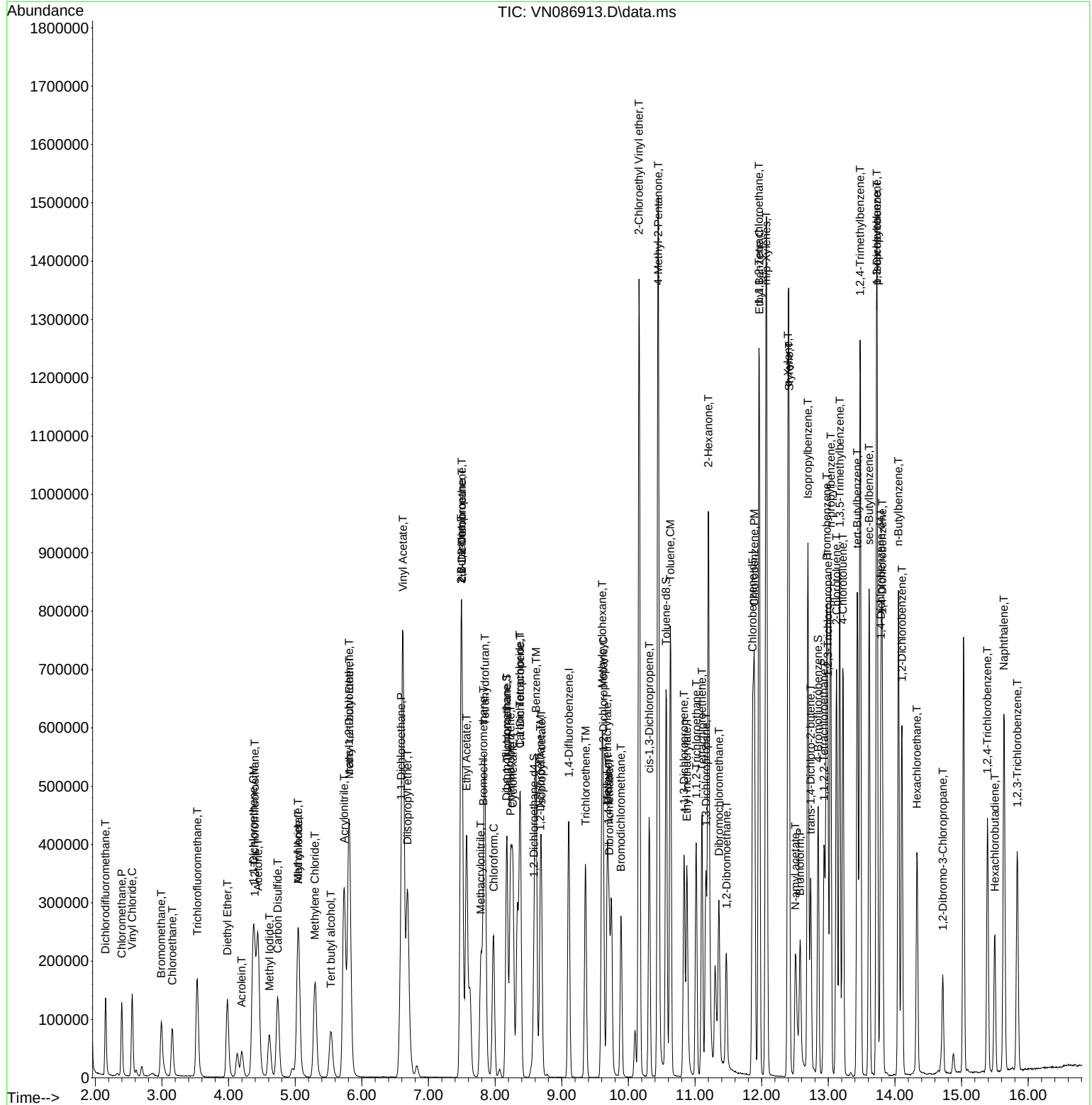
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086913.D
Acq On    : 10 Jun 2025   09:13
Operator  : JC\MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:47:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086913.D
 Acq On : 10 Jun 2025 09:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 11 01:47:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	115	0.00
2 T	Dichlorodifluoromethane	0.499	0.502	-0.6	116	0.00
3 P	Chloromethane	0.644	0.552	14.3	107	0.00
4 C	Vinyl Chloride	0.664	0.653	1.7#	118	0.00
5 T	Bromomethane	0.372	0.358	3.8	116	0.00
6 T	Chloroethane	0.429	0.421	1.9	119	0.00
7 T	Trichlorofluoromethane	0.868	0.848	2.3	118	0.00
8 T	Diethyl Ether	0.378	0.379	-0.3	121	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.545	0.530	2.8	118	0.00
10 T	Methyl Iodide	0.707	0.597	15.6	101	0.00
11 T	Tert butyl alcohol	0.182	0.148	18.7	97	-0.01
12 CM	1,1-Dichloroethene	0.557	0.548	1.6#	119	0.01
13 T	Acrolein	0.057	0.053	7.0	134	0.00
14 T	Allyl chloride	0.923	0.823	10.8	110	0.00
15 T	Acrylonitrile	0.425	0.390	8.2	111	0.00
16 T	Acetone	0.355	0.348	2.0	125	0.00
17 T	Carbon Disulfide	1.539	1.428	7.2	116	0.00
18 T	Methyl Acetate	1.035	0.941	9.1	110	0.00
19 T	Methyl tert-butyl Ether	2.015	1.999	0.8	119	0.00
20 T	Methylene Chloride	0.665	0.617	7.2	118	0.00
21 T	trans-1,2-Dichloroethene	0.619	0.587	5.2	119	0.00
22 T	Diisopropyl ether	1.945	1.836	5.6	114	0.00
23 T	Vinyl Acetate	1.644	1.558	5.2	113	0.00
24 P	1,1-Dichloroethane	1.120	1.079	3.7	117	0.00
25 T	2-Butanone	0.577	0.493	14.6	103	0.00
26 T	2,2-Dichloropropane	0.871	0.943	-8.3	120	0.00
27 T	cis-1,2-Dichloroethene	0.740	0.721	2.6	119	0.00
28 T	Bromochloromethane	0.550	0.473	14.0	117	0.00
29 T	Tetrahydrofuran	0.376	0.325	13.6	105	0.00
30 C	Chloroform	1.118	1.053	5.8#	115	0.00
31 T	Cyclohexane	1.086	0.907	16.5	104	0.00
32 T	1,1,1-Trichloroethane	0.951	0.894	6.0	115	0.00
33 S	1,2-Dichloroethane-d4	0.669	0.613	8.4	142	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	111	0.00
35 S	Dibromofluoromethane	0.296	0.301	-1.7	153#	0.00
36 T	1,1-Dichloropropene	0.442	0.437	1.1	116	0.00
37 T	Ethyl Acetate	0.562	0.522	7.1	109	0.00
38 T	Carbon Tetrachloride	0.433	0.429	0.9	117	0.00
39 T	Methylcyclohexane	0.605	0.523	13.6	102	0.00
40 TM	Benzene	1.444	1.400	3.0	116	0.00
41 T	Methacrylonitrile	0.316	0.286	9.5	105	0.00
42 TM	1,2-Dichloroethane	0.438	0.426	2.7	116	0.00
43 T	Isopropyl Acetate	0.902	0.830	8.0	109	0.00
44 TM	Trichloroethene	0.342	0.345	-0.9	118	0.00
45 C	1,2-Dichloropropane	0.351	0.344	2.0#	116	0.00
46 T	Dibromomethane	0.233	0.237	-1.7	119	0.00
47 T	Bromodichloromethane	0.480	0.479	0.2	117	0.00
48 T	Methyl methacrylate	0.415	0.379	8.7	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086913.D
 Acq On : 10 Jun 2025 09:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 11 01:47:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	0.008	0.007	12.5	96	0.00
50 S	Toluene-d8	1.173	1.153	1.7	149	0.00
51 T	4-Methyl-2-Pentanone	0.543	0.513	5.5	106	0.00
52 CM	Toluene	0.882	0.871	1.2#	116	0.00
53 T	t-1,3-Dichloropropene	0.537	0.556	-3.5	119	0.00
54 T	cis-1,3-Dichloropropene	0.574	0.592	-3.1	120	0.00
55 T	1,1,2-Trichloroethane	0.340	0.338	0.6	117	0.00
56 T	Ethyl methacrylate	0.541	0.589	-8.9	118	0.00
57 T	1,3-Dichloropropane	0.589	0.580	1.5	115	0.00
58 T	2-Chloroethyl Vinyl ether	0.323	0.315	2.5	128	0.00
59 T	2-Hexanone	0.350	0.339	3.1	103	0.00
60 T	Dibromochloromethane	0.354	0.363	-2.5	119	0.00
61 T	1,2-Dibromoethane	0.348	0.350	-0.6	119	0.00
62 S	4-Bromofluorobenzene	0.436	0.420	3.7	144	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00
64 T	Tetrachloroethene	0.316	0.308	2.5	114	0.00
65 PM	Chlorobenzene	1.103	1.117	-1.3	119	0.00
66 T	1,1,1,2-Tetrachloroethane	0.354	0.367	-3.7	118	0.00
67 C	Ethyl Benzene	1.899	1.844	2.9#	112	0.00
68 T	m/p-Xylenes	0.727	0.727	0.0	113	0.00
69 T	o-Xylene	0.696	0.714	-2.6	115	0.00
70 T	Styrene	1.192	1.232	-3.4	115	0.00
71 P	Bromoform	0.263	0.287	-9.1	118	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
73 T	Isopropylbenzene	3.643	3.636	0.2	108	0.00
74 T	N-amyl acetate	1.273	1.354	-6.4	109	0.00
75 P	1,1,2,2-Tetrachloroethane	1.234	1.268	-2.8	110	0.00
76 T	1,2,3-Trichloropropane	1.189	1.069	10.1	93	0.00
77 T	Bromobenzene	0.835	0.903	-8.1	117	0.00
78 T	n-propylbenzene	4.427	4.305	2.8	104	0.00
79 T	2-Chlorotoluene	2.655	2.594	2.3	106	0.00
80 T	1,3,5-Trimethylbenzene	3.007	2.957	1.7	104	0.00
81 T	trans-1,4-Dichloro-2-butene	0.516	0.537	-4.1	115	0.00
82 T	4-Chlorotoluene	2.686	2.709	-0.9	109	0.00
83 T	tert-Butylbenzene	2.753	2.579	6.3	101	0.00
84 T	1,2,4-Trimethylbenzene	3.016	2.981	1.2	104	0.00
85 T	sec-Butylbenzene	3.998	3.683	7.9	98	0.00
86 T	p-Isopropyltoluene	3.305	3.131	5.3	100	0.00
87 T	1,3-Dichlorobenzene	1.644	1.678	-2.1	110	0.00
88 T	1,4-Dichlorobenzene	1.676	1.702	-1.6	110	0.00
89 T	n-Butylbenzene	3.201	2.841	11.2	95	0.00
90 T	Hexachloroethane	0.560	0.538	3.9	102	0.00
91 T	1,2-Dichlorobenzene	1.579	1.605	-1.6	109	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.295	0.277	6.1	104	0.00
93 T	1,2,4-Trichlorobenzene	1.008	0.918	8.9	97	0.00
94 T	Hexachlorobutadiene	0.376	0.284	24.5	80	0.00
95 T	Naphthalene	3.753	3.656	2.6	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086913.D
Acq On : 10 Jun 2025 09:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 11 01:47:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
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	1.002	0.859	14.3	92	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086913.D
 Acq On : 10 Jun 2025 09:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 11 01:47:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	115	0.00
2 T	Dichlorodifluoromethane	50.000	50.345	-0.7	116	0.00
3 P	Chloromethane	50.000	42.845	14.3	107	0.00
4 C	Vinyl Chloride	50.000	49.190	1.6#	118	0.00
5 T	Bromomethane	50.000	48.104	3.8	116	0.00
6 T	Chloroethane	50.000	49.111	1.8	119	0.00
7 T	Trichlorofluoromethane	50.000	48.882	2.2	118	0.00
8 T	Diethyl Ether	50.000	50.181	-0.4	121	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.583	2.8	118	0.00
10 T	Methyl Iodide	50.000	42.239	15.5	101	0.00
11 T	Tert butyl alcohol	250.000	203.929	18.4	97	-0.01
12 CM	1,1-Dichloroethene	50.000	49.200	1.6#	119	0.01
13 T	Acrolein	250.000	229.021	8.4	134	0.00
14 T	Allyl chloride	50.000	44.573	10.9	110	0.00
15 T	Acrylonitrile	250.000	229.750	8.1	111	0.00
16 T	Acetone	250.000	245.204	1.9	125	0.00
17 T	Carbon Disulfide	50.000	46.386	7.2	116	0.00
18 T	Methyl Acetate	50.000	45.497	9.0	110	0.00
19 T	Methyl tert-butyl Ether	50.000	49.605	0.8	119	0.00
20 T	Methylene Chloride	50.000	46.410	7.2	118	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.370	5.3	119	0.00
22 T	Diisopropyl ether	50.000	47.178	5.6	114	0.00
23 T	Vinyl Acetate	250.000	236.925	5.2	113	0.00
24 P	1,1-Dichloroethane	50.000	48.190	3.6	117	0.00
25 T	2-Butanone	250.000	213.617	14.6	103	0.00
26 T	2,2-Dichloropropane	50.000	54.150	-8.3	120	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.666	2.7	119	0.00
28 T	Bromochloromethane	50.000	42.951	14.1	117	0.00
29 T	Tetrahydrofuran	250.000	216.165	13.5	105	0.00
30 C	Chloroform	50.000	47.097	5.8#	115	0.00
31 T	Cyclohexane	50.000	41.767	16.5	104	0.00
32 T	1,1,1-Trichloroethane	50.000	47.016	6.0	115	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.789	8.4	142	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	111	0.00
35 S	Dibromofluoromethane	50.000	50.869	-1.7	153	0.00
36 T	1,1-Dichloropropene	50.000	49.463	1.1	116	0.00
37 T	Ethyl Acetate	50.000	46.471	7.1	109	0.00
38 T	Carbon Tetrachloride	50.000	49.466	1.1	117	0.00
39 T	Methylcyclohexane	50.000	43.269	13.5	102	0.00
40 TM	Benzene	50.000	48.493	3.0	116	0.00
41 T	Methacrylonitrile	50.000	45.256	9.5	105	0.00
42 TM	1,2-Dichloroethane	50.000	48.671	2.7	116	0.00
43 T	Isopropyl Acetate	50.000	45.998	8.0	109	0.00
44 TM	Trichloroethene	50.000	50.404	-0.8	118	0.00
45 C	1,2-Dichloropropane	50.000	49.004	2.0#	116	0.00
46 T	Dibromomethane	50.000	50.766	-1.5	119	0.00
47 T	Bromodichloromethane	50.000	49.918	0.2	117	0.00
48 T	Methyl methacrylate	50.000	45.601	8.8	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086913.D
 Acq On : 10 Jun 2025 09:13
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 11 01:47:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	892.983	10.7	96	0.00
50 S	Toluene-d8	50.000	49.146	1.7	149	0.00
51 T	4-Methyl-2-Pentanone	250.000	235.975	5.6	106	0.00
52 CM	Toluene	50.000	49.345	1.3#	116	0.00
53 T	t-1,3-Dichloropropene	50.000	51.759	-3.5	119	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.506	-3.0	120	0.00
55 T	1,1,2-Trichloroethane	50.000	49.785	0.4	117	0.00
56 T	Ethyl methacrylate	50.000	54.447	-8.9	118	0.00
57 T	1,3-Dichloropropane	50.000	49.255	1.5	115	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	244.474	2.2	128	0.00
59 T	2-Hexanone	250.000	242.131	3.1	103	0.00
60 T	Dibromochloromethane	50.000	51.366	-2.7	119	0.00
61 T	1,2-Dibromoethane	50.000	50.307	-0.6	119	0.00
62 S	4-Bromofluorobenzene	50.000	48.131	3.7	144	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	109	0.00
64 T	Tetrachloroethene	50.000	48.675	2.7	114	0.00
65 PM	Chlorobenzene	50.000	50.661	-1.3	119	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.699	-3.4	118	0.00
67 C	Ethyl Benzene	50.000	48.548	2.9#	112	0.00
68 T	m/p-Xylenes	100.000	99.975	0.0	113	0.00
69 T	o-Xylene	50.000	51.297	-2.6	115	0.00
70 T	Styrene	50.000	51.704	-3.4	115	0.00
71 P	Bromoform	50.000	54.693	-9.4	118	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	102	0.00
73 T	Isopropylbenzene	50.000	49.917	0.2	108	0.00
74 T	N-ethyl acetate	50.000	53.204	-6.4	109	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.363	-2.7	110	0.00
76 T	1,2,3-Trichloropropane	50.000	44.986	10.0	93	0.00
77 T	Bromobenzene	50.000	54.054	-8.1	117	0.00
78 T	n-propylbenzene	50.000	48.621	2.8	104	0.00
79 T	2-Chlorotoluene	50.000	48.865	2.3	106	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.161	1.7	104	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.029	-4.1	115	0.00
82 T	4-Chlorotoluene	50.000	50.423	-0.8	109	0.00
83 T	tert-Butylbenzene	50.000	46.840	6.3	101	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.422	1.2	104	0.00
85 T	sec-Butylbenzene	50.000	46.060	7.9	98	0.00
86 T	p-Isopropyltoluene	50.000	47.367	5.3	100	0.00
87 T	1,3-Dichlorobenzene	50.000	51.039	-2.1	110	0.00
88 T	1,4-Dichlorobenzene	50.000	50.774	-1.5	110	0.00
89 T	n-Butylbenzene	50.000	44.380	11.2	95	0.00
90 T	Hexachloroethane	50.000	48.027	3.9	102	0.00
91 T	1,2-Dichlorobenzene	50.000	50.816	-1.6	109	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.906	6.2	104	0.00
93 T	1,2,4-Trichlorobenzene	50.000	45.529	8.9	97	0.00
94 T	Hexachlorobutadiene	50.000	37.848	24.3	80	0.00
95 T	Naphthalene	50.000	48.711	2.6	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086913.D
Acq On : 10 Jun 2025 09:13
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 11 01:47:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
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	42.897	14.2	92	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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 11:32

Lab File ID: VN086940.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.499	0.538		7.82	20
Chloromethane	0.644	0.555	0.1	-13.82	20
Vinyl Chloride	0.664	0.701		5.57	20
Bromomethane	0.372	0.312		-16.13	20
Chloroethane	0.429	0.457		6.53	20
Trichlorofluoromethane	0.868	0.930		7.14	20
1,1,2-Trichlorotrifluoroethane	0.545	0.582		6.79	20
1,1-Dichloroethene	0.557	0.593		6.46	20
Acetone	0.355	0.384		8.17	20
Carbon Disulfide	1.539	1.505		-2.21	20
Methyl tert-butyl Ether	2.015	2.172		7.79	20
Methyl Acetate	1.035	1.085		4.83	20
Methylene Chloride	0.665	0.673		1.2	20
trans-1,2-Dichloroethene	0.619	0.633		2.26	20
1,1-Dichloroethane	1.120	1.178	0.1	5.18	20
Cyclohexane	1.086	1.017		-6.35	20
2-Butanone	0.577	0.568		-1.56	20
Carbon Tetrachloride	0.433	0.472		9.01	20
cis-1,2-Dichloroethene	0.740	0.793		7.16	20
Bromochloromethane	0.550	0.578		5.09	20
Chloroform	1.118	1.176		5.19	20
1,1,1-Trichloroethane	0.951	0.976		2.63	20
Methylcyclohexane	0.605	0.576		-4.79	20
Benzene	1.444	1.554		7.55	20
1,2-Dichloroethane	0.438	0.472		7.76	20
Trichloroethene	0.342	0.382		11.7	20
1,2-Dichloropropane	0.351	0.384		9.4	20
Bromodichloromethane	0.480	0.532		10.83	20
4-Methyl-2-Pentanone	0.543	0.590		8.66	20
Toluene	0.882	0.978		10.88	20
t-1,3-Dichloropropene	0.537	0.609		13.41	20
cis-1,3-Dichloropropene	0.574	0.661		15.16	20
1,1,2-Trichloroethane	0.340	0.383		12.65	20
2-Hexanone	0.350	0.395		12.86	20
Dibromochloromethane	0.354	0.414		16.95	20
1,2-Dibromoethane	0.348	0.385		10.63	20
Tetrachloroethene	0.316	0.337		6.65	20
Chlorobenzene	1.103	1.222	0.3	10.79	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.: Q2202 SAS No.: Q2202 SDG No.: Q2202

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 11:32

Lab File ID: VN086940.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.900	2.059		8.37	20
m/p-Xylenes	0.727	0.802		10.32	20
o-Xylene	0.696	0.782		12.36	20
Styrene	1.192	1.358		13.93	20
Bromoform	0.263	0.319	0.1	21.29	20
Isopropylbenzene	3.643	3.898		7	20
1,1,2,2-Tetrachloroethane	1.234	1.402	0.3	13.61	20
1,3-Dichlorobenzene	1.644	1.843		12.1	20
1,4-Dichlorobenzene	1.676	1.887		12.59	20
1,2-Dichlorobenzene	1.579	1.761		11.53	20
1,2-Dibromo-3-Chloropropane	0.295	0.311		5.42	20
1,2,4-Trichlorobenzene	1.008	1.052		4.36	20
1,2,3-Trichlorobenzene	1.002	0.995		-0.7	20
1,2-Dichloroethane-d4	0.669	0.622		-7.03	20
Dibromofluoromethane	0.296	0.309		4.39	20
Toluene-d8	1.173	1.181		0.68	20
4-Bromofluorobenzene	0.436	0.440		0.92	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\VN061125\
 Data File : VN086940.D
 Acq On : 11 Jun 2025 11:32
 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 : John Carlone 06/12/2025
 Supervised By : Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:28:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	205098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	357643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	152136	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.583	65	127629	46.478	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.960%
35) Dibromofluoromethane	8.177	113	110532	52.151	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.300%
50) Toluene-d8	10.565	98	422391	50.342	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.847	95	157388	50.489	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.980%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.154	85	110255	53.916	ug/l	100
3) Chloromethane	2.395	50	113731	43.069	ug/l	94
4) Vinyl Chloride	2.554	62	143755	52.773	ug/l	99
5) Bromomethane	2.989	94	63914	41.928	ug/l	96
6) Chloroethane	3.154	64	93702	53.253	ug/l	99
7) Trichlorofluoromethane	3.524	101	190657	53.570	ug/l	99
8) Diethyl Ether	3.983	74	85722	55.281	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	119322	53.364	ug/l	99
10) Methyl Iodide	4.618	142	115825	39.959	ug/l	97
11) Tert butyl alcohol	5.542	59	183049	245.667	ug/l	99
12) 1,1-Dichloroethene	4.365	96	121690	53.307	ug/l	94
13) Acrolein	4.201	56	68006	288.340	ug/l	99
14) Allyl chloride	5.048	41	187099	49.420	ug/l	96
15) Acrylonitrile	5.736	53	456903	262.349	ug/l	99
16) Acetone	4.442	43	393802	270.423	ug/l	97
17) Carbon Disulfide	4.736	76	308706	48.889	ug/l	100
18) Methyl Acetate	5.042	43	222452	52.419	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	445459	53.894	ug/l	98
20) Methylene Chloride	5.295	84	138117	50.660	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	129921	51.154	ug/l	98
22) Diisopropyl ether	6.683	45	412097	51.639	ug/l	99
23) Vinyl Acetate	6.618	43	1766271	261.960	ug/l	98
24) 1,1-Dichloroethane	6.589	63	241575	52.602	ug/l	99
25) 2-Butanone	7.489	43	582343	246.018	ug/l	95
26) 2,2-Dichloropropane	7.506	77	215080	60.206	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	162658	53.551	ug/l	98
28) Bromochloromethane	7.824	49	118461	52.462	ug/l	95
29) Tetrahydrofuran	7.847	42	380103	246.502	ug/l	96
30) Chloroform	7.977	83	241191	52.589	ug/l	98
31) Cyclohexane	8.265	56	208644	46.846	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	200139	51.307	ug/l	97
36) 1,1-Dichloropropene	8.377	75	172642	54.664	ug/l	99
37) Ethyl Acetate	7.571	43	211755	52.670	ug/l	99
38) Carbon Tetrachloride	8.371	117	168940	54.485	ug/l	94
39) Methylcyclohexane	9.606	83	206018	47.613	ug/l	96
40) Benzene	8.612	78	555597	53.798	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086940.D
 Acq On : 11 Jun 2025 11:32
 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 :John Carlone 06/12/2025
 Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:28:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	115191	51.017	ug/l	93
42) 1,2-Dichloroethane	8.677	62	168630	53.833	ug/l	99
43) Isopropyl Acetate	8.694	43	338399	52.442	ug/l	97
44) Trichloroethene	9.353	130	136748	55.842	ug/l	98
45) 1,2-Dichloropropane	9.624	63	137250	54.626	ug/l	100
46) Dibromomethane	9.712	93	94620	56.697	ug/l	99
47) Bromodichloromethane	9.888	83	190362	55.440	ug/l	100
48) Methyl methacrylate	9.683	41	154138	51.898	ug/l	96
49) 1,4-Dioxane	9.700	88	60969	1128.409	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	1054797	271.529	ug/l	98
52) Toluene	10.630	92	349873	55.435	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	217752	56.714	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	236296	57.518	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	137099	56.454	ug/l	99
56) Ethyl methacrylate	10.877	69	231226	59.778	ug/l	95
57) 1,3-Dichloropropane	11.165	76	232746	55.247	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	665780	288.579	ug/l	99
59) 2-Hexanone	11.200	43	705660	282.011	ug/l	97
60) Dibromochloromethane	11.359	129	148069	58.520	ug/l	99
61) 1,2-Dibromoethane	11.471	107	137779	55.351	ug/l	99
64) Tetrachloroethene	11.106	164	105084	53.190	ug/l	95
65) Chlorobenzene	11.888	112	381598	55.424	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	124964	56.463	ug/l	99
67) Ethyl Benzene	11.965	91	642857	54.206	ug/l	99
68) m/p-Xylenes	12.071	106	500895	110.334	ug/l	99
69) o-Xylene	12.400	106	244038	56.127	ug/l	98
70) Styrene	12.412	104	424060	56.996	ug/l	100
71) Bromoform	12.576	173	99616	60.747	ug/l #	100
73) Isopropylbenzene	12.694	105	593080	53.511	ug/l	99
74) N-amyl acetate	12.512	43	208229	53.765	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.935	83	213329	56.816	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	179987m	49.771	ug/l	
77) Bromobenzene	12.976	156	146181	57.512	ug/l	98
78) n-propylbenzene	13.035	91	717012	53.234	ug/l	99
79) 2-Chlorotoluene	13.123	91	439522	54.413	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	490727	53.628	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	93790	59.701	ug/l #	87
82) 4-Chlorotoluene	13.218	91	446237	54.598	ug/l	99
83) tert-Butylbenzene	13.435	119	448106	53.498	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	495936	54.048	ug/l	99
85) sec-Butylbenzene	13.612	105	617792	50.788	ug/l	99
86) p-Isopropyltoluene	13.729	119	524440	52.156	ug/l	98
87) 1,3-Dichlorobenzene	13.729	146	280357	56.062	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	287122	56.315	ug/l	99
89) n-Butylbenzene	14.053	91	477306	49.007	ug/l	100
90) Hexachloroethane	14.329	117	89886	52.738	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	267932	55.766	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	47326	52.704	ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	160030	52.161	ug/l	99
94) Hexachlorobutadiene	15.500	225	51073	44.682	ug/l	99
95) Naphthalene	15.635	128	624421	54.679	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	151411	49.672	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086940.D
Acq On : 11 Jun 2025 11:32
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 :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:28:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

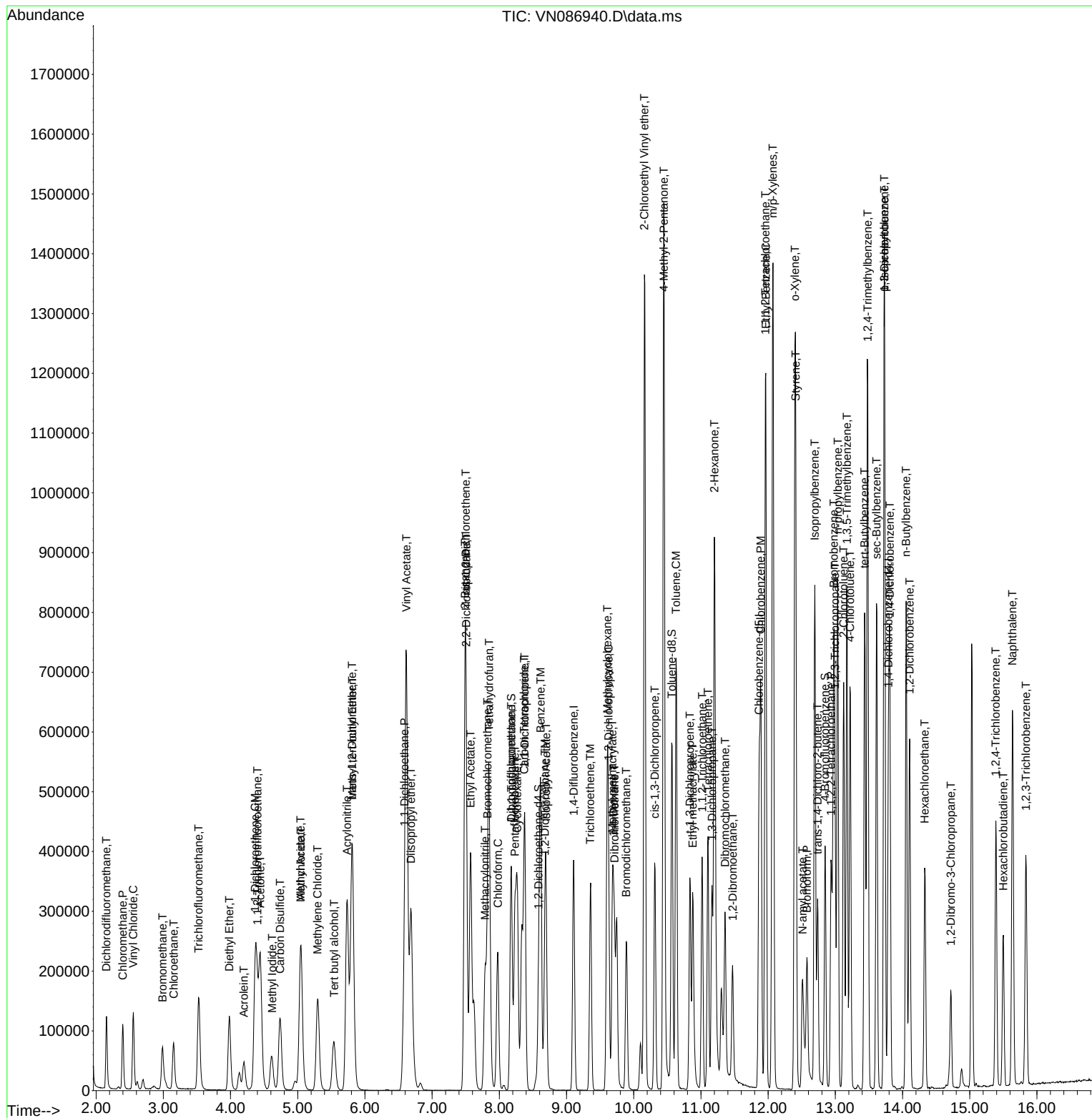
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086940.D
 Acq On : 11 Jun 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 12 01:28:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	99	0.00
2 T	Dichlorodifluoromethane	0.499	0.538	-7.8	106	0.00
3 P	Chloromethane	0.644	0.555	13.8	92	0.00
4 C	Vinyl Chloride	0.664	0.701	-5.6#	108	0.00
5 T	Bromomethane	0.372	0.312	16.1	86	0.00
6 T	Chloroethane	0.429	0.457	-6.5	111	0.00
7 T	Trichlorofluoromethane	0.868	0.930	-7.1	110	0.00
8 T	Diethyl Ether	0.378	0.418	-10.6	114	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.545	0.582	-6.8	111	0.00
10 T	Methyl Iodide	0.707	0.565	20.1	82	0.01
11 T	Tert butyl alcohol	0.182	0.178	2.2	100	0.00
12 CM	1,1-Dichloroethene	0.557	0.593	-6.5#	110	0.00
13 T	Acrolein	0.057	0.066	-15.8	145	0.00
14 T	Allyl chloride	0.923	0.912	1.2	104	0.00
15 T	Acrylonitrile	0.425	0.446	-4.9	108	0.00
16 T	Acetone	0.355	0.384	-8.2	118	0.00
17 T	Carbon Disulfide	1.539	1.505	2.2	104	0.00
18 T	Methyl Acetate	1.035	1.085	-4.8	109	0.00
19 T	Methyl tert-butyl Ether	2.015	2.172	-7.8	111	0.00
20 T	Methylene Chloride	0.665	0.673	-1.2	110	0.00
21 T	trans-1,2-Dichloroethene	0.619	0.633	-2.3	110	0.00
22 T	Diisopropyl ether	1.945	2.009	-3.3	107	0.00
23 T	Vinyl Acetate	1.644	1.722	-4.7	107	0.00
24 P	1,1-Dichloroethane	1.120	1.178	-5.2	110	0.00
25 T	2-Butanone	0.577	0.568	1.6	102	0.00
26 T	2,2-Dichloropropane	0.871	1.049	-20.4	115	0.00
27 T	cis-1,2-Dichloroethene	0.740	0.793	-7.2	112	0.00
28 T	Bromochloromethane	0.550	0.578	-5.1	122	0.00
29 T	Tetrahydrofuran	0.376	0.371	1.3	102	0.00
30 C	Chloroform	1.118	1.176	-5.2#	110	0.00
31 T	Cyclohexane	1.086	1.017	6.4	100	0.00
32 T	1,1,1-Trichloroethane	0.951	0.976	-2.6	108	0.00
33 S	1,2-Dichloroethane-d4	0.669	0.622	7.0	123	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
35 S	Dibromofluoromethane	0.296	0.309	-4.4	133	0.00
36 T	1,1-Dichloropropene	0.442	0.483	-9.3	109	0.00
37 T	Ethyl Acetate	0.562	0.592	-5.3	104	0.00
38 T	Carbon Tetrachloride	0.433	0.472	-9.0	109	0.00
39 T	Methylcyclohexane	0.605	0.576	4.8	95	0.00
40 TM	Benzene	1.444	1.553	-7.5	109	0.00
41 T	Methacrylonitrile	0.316	0.322	-1.9	100	0.00
42 TM	1,2-Dichloroethane	0.438	0.472	-7.8	108	0.00
43 T	Isopropyl Acetate	0.902	0.946	-4.9	105	0.00
44 TM	Trichloroethene	0.342	0.382	-11.7	110	0.00
45 C	1,2-Dichloropropane	0.351	0.384	-9.4#	109	0.00
46 T	Dibromomethane	0.233	0.265	-13.7	113	0.00
47 T	Bromodichloromethane	0.480	0.532	-10.8	110	0.00
48 T	Methyl methacrylate	0.415	0.431	-3.9	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086940.D
 Acq On : 11 Jun 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 12 01:28:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	0.008	0.009	-12.5	103	0.00
50 S	Toluene-d8	1.173	1.181	-0.7	130	0.00
51 T	4-Methyl-2-Pentanone	0.543	0.590	-8.7	104	0.00
52 CM	Toluene	0.882	0.978	-10.9#	111	0.00
53 T	t-1,3-Dichloropropene	0.537	0.609	-13.4	110	0.00
54 T	cis-1,3-Dichloropropene	0.574	0.661	-15.2	113	0.00
55 T	1,1,2-Trichloroethane	0.340	0.383	-12.6	112	0.00
56 T	Ethyl methacrylate	0.541	0.647	-19.6	110	0.00
57 T	1,3-Dichloropropane	0.589	0.651	-10.5	110	0.00
58 T	2-Chloroethyl Vinyl ether	0.323	0.372	-15.2	128	0.00
59 T	2-Hexanone	0.350	0.395	-12.9	101	0.00
60 T	Dibromochloromethane	0.354	0.414	-16.9	115	0.00
61 T	1,2-Dibromoethane	0.348	0.385	-10.6	111	0.00
62 S	4-Bromofluorobenzene	0.436	0.440	-0.9	128	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64 T	Tetrachloroethene	0.316	0.337	-6.6	108	0.00
65 PM	Chlorobenzene	1.103	1.222	-10.8	112	0.00
66 T	1,1,1,2-Tetrachloroethane	0.354	0.400	-13.0	111	0.00
67 C	Ethyl Benzene	1.899	2.059	-8.4#	108	0.00
68 T	m/p-Xylenes	0.727	0.802	-10.3	107	0.00
69 T	o-Xylene	0.696	0.782	-12.4	109	0.00
70 T	Styrene	1.192	1.358	-13.9	110	0.00
71 P	Bromoform	0.263	0.319	-21.3	113	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
73 T	Isopropylbenzene	3.643	3.898	-7.0	103	0.00
74 T	N-amyl acetate	1.273	1.369	-7.5	98	0.00
75 P	1,1,2,2-Tetrachloroethane	1.234	1.402	-13.6	108	0.00
76 T	1,2,3-Trichloropropane	1.189	1.183	0.5	92	0.00
77 T	Bromobenzene	0.835	0.961	-15.1	110	0.00
78 T	n-propylbenzene	4.427	4.713	-6.5	102	0.00
79 T	2-Chlorotoluene	2.655	2.889	-8.8	105	0.00
80 T	1,3,5-Trimethylbenzene	3.007	3.226	-7.3	101	0.00
81 T	trans-1,4-Dichloro-2-butene	0.516	0.616	-19.4	118	0.00
82 T	4-Chlorotoluene	2.686	2.933	-9.2	105	0.00
83 T	tert-Butylbenzene	2.753	2.945	-7.0	102	0.00
84 T	1,2,4-Trimethylbenzene	3.016	3.260	-8.1	102	0.00
85 T	sec-Butylbenzene	3.998	4.061	-1.6	96	0.00
86 T	p-Isopropyltoluene	3.305	3.447	-4.3	98	0.00
87 T	1,3-Dichlorobenzene	1.644	1.843	-12.1	108	0.00
88 T	1,4-Dichlorobenzene	1.676	1.887	-12.6	109	0.00
89 T	n-Butylbenzene	3.201	3.137	2.0	93	0.00
90 T	Hexachloroethane	0.560	0.591	-5.5	100	0.00
91 T	1,2-Dichlorobenzene	1.579	1.761	-11.5	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.295	0.311	-5.4	104	0.00
93 T	1,2,4-Trichlorobenzene	1.008	1.052	-4.4	99	0.00
94 T	Hexachlorobutadiene	0.376	0.336	10.6	84	0.00
95 T	Naphthalene	3.753	4.104	-9.4	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086940.D
Acq On : 11 Jun 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 01:28:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
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	1.002	0.995	0.7	95	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086940.D
 Acq On : 11 Jun 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 12 01:28:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	99	0.00
2 T	Dichlorodifluoromethane	50.000	53.916	-7.8	106	0.00
3 P	Chloromethane	50.000	43.069	13.9	92	0.00
4 C	Vinyl Chloride	50.000	52.773	-5.5#	108	0.00
5 T	Bromomethane	50.000	41.928	16.1	86	0.00
6 T	Chloroethane	50.000	53.253	-6.5	111	0.00
7 T	Trichlorofluoromethane	50.000	53.570	-7.1	110	0.00
8 T	Diethyl Ether	50.000	55.281	-10.6	114	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.364	-6.7	111	0.00
10 T	Methyl Iodide	50.000	39.959	20.1	82	0.01
11 T	Tert butyl alcohol	250.000	245.667	1.7	100	0.00
12 CM	1,1-Dichloroethene	50.000	53.307	-6.6#	110	0.00
13 T	Acrolein	250.000	288.340	-15.3	145	0.00
14 T	Allyl chloride	50.000	49.420	1.2	104	0.00
15 T	Acrylonitrile	250.000	262.349	-4.9	108	0.00
16 T	Acetone	250.000	270.423	-8.2	118	0.00
17 T	Carbon Disulfide	50.000	48.889	2.2	104	0.00
18 T	Methyl Acetate	50.000	52.419	-4.8	109	0.00
19 T	Methyl tert-butyl Ether	50.000	53.894	-7.8	111	0.00
20 T	Methylene Chloride	50.000	50.660	-1.3	110	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.154	-2.3	110	0.00
22 T	Diisopropyl ether	50.000	51.639	-3.3	107	0.00
23 T	Vinyl Acetate	250.000	261.960	-4.8	107	0.00
24 P	1,1-Dichloroethane	50.000	52.602	-5.2	110	0.00
25 T	2-Butanone	250.000	246.018	1.6	102	0.00
26 T	2,2-Dichloropropane	50.000	60.206	-20.4	115	0.00
27 T	cis-1,2-Dichloroethene	50.000	53.551	-7.1	112	0.00
28 T	Bromochloromethane	50.000	52.462	-4.9	122	0.00
29 T	Tetrahydrofuran	250.000	246.502	1.4	102	0.00
30 C	Chloroform	50.000	52.589	-5.2#	110	0.00
31 T	Cyclohexane	50.000	46.846	6.3	100	0.00
32 T	1,1,1-Trichloroethane	50.000	51.307	-2.6	108	0.00
33 S	1,2-Dichloroethane-d4	50.000	46.478	7.0	123	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	94	0.00
35 S	Dibromofluoromethane	50.000	52.151	-4.3	133	0.00
36 T	1,1-Dichloropropene	50.000	54.664	-9.3	109	0.00
37 T	Ethyl Acetate	50.000	52.670	-5.3	104	0.00
38 T	Carbon Tetrachloride	50.000	54.485	-9.0	109	0.00
39 T	Methylcyclohexane	50.000	47.613	4.8	95	0.00
40 TM	Benzene	50.000	53.798	-7.6	109	0.00
41 T	Methacrylonitrile	50.000	51.017	-2.0	100	0.00
42 TM	1,2-Dichloroethane	50.000	53.833	-7.7	108	0.00
43 T	Isopropyl Acetate	50.000	52.442	-4.9	105	0.00
44 TM	Trichloroethene	50.000	55.842	-11.7	110	0.00
45 C	1,2-Dichloropropane	50.000	54.626	-9.3#	109	0.00
46 T	Dibromomethane	50.000	56.697	-13.4	113	0.00
47 T	Bromodichloromethane	50.000	55.440	-10.9	110	0.00
48 T	Methyl methacrylate	50.000	51.898	-3.8	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086940.D
 Acq On : 11 Jun 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Jun 12 01:28:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 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	1128.409	-12.8	103	0.00
50 S	Toluene-d8	50.000	50.342	-0.7	130	0.00
51 T	4-Methyl-2-Pentanone	250.000	271.529	-8.6	104	0.00
52 CM	Toluene	50.000	55.435	-10.9#	111	0.00
53 T	t-1,3-Dichloropropene	50.000	56.714	-13.4	110	0.00
54 T	cis-1,3-Dichloropropene	50.000	57.518	-15.0	113	0.00
55 T	1,1,2-Trichloroethane	50.000	56.454	-12.9	112	0.00
56 T	Ethyl methacrylate	50.000	59.778	-19.6	110	0.00
57 T	1,3-Dichloropropane	50.000	55.247	-10.5	110	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	288.579	-15.4	128	0.00
59 T	2-Hexanone	250.000	282.011	-12.8	101	0.00
60 T	Dibromochloromethane	50.000	58.520	-17.0	115	0.00
61 T	1,2-Dibromoethane	50.000	55.351	-10.7	111	0.00
62 S	4-Bromofluorobenzene	50.000	50.489	-1.0	128	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	94	0.00
64 T	Tetrachloroethene	50.000	53.190	-6.4	108	0.00
65 PM	Chlorobenzene	50.000	55.424	-10.8	112	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	56.463	-12.9	111	0.00
67 C	Ethyl Benzene	50.000	54.206	-8.4#	108	0.00
68 T	m/p-Xylenes	100.000	110.334	-10.3	107	0.00
69 T	o-Xylene	50.000	56.127	-12.3	109	0.00
70 T	Styrene	50.000	56.996	-14.0	110	0.00
71 P	Bromoform	50.000	60.747	-21.5	113	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	91	0.00
73 T	Isopropylbenzene	50.000	53.511	-7.0	103	0.00
74 T	N-amyl acetate	50.000	53.765	-7.5	98	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	56.816	-13.6	108	0.00
76 T	1,2,3-Trichloropropane	50.000	49.771	0.5	92	0.00
77 T	Bromobenzene	50.000	57.512	-15.0	110	0.00
78 T	n-propylbenzene	50.000	53.234	-6.5	102	0.00
79 T	2-Chlorotoluene	50.000	54.413	-8.8	105	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.628	-7.3	101	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	59.701	-19.4	118	0.00
82 T	4-Chlorotoluene	50.000	54.598	-9.2	105	0.00
83 T	tert-Butylbenzene	50.000	53.498	-7.0	102	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.048	-8.1	102	0.00
85 T	sec-Butylbenzene	50.000	50.788	-1.6	96	0.00
86 T	p-Isopropyltoluene	50.000	52.156	-4.3	98	0.00
87 T	1,3-Dichlorobenzene	50.000	56.062	-12.1	108	0.00
88 T	1,4-Dichlorobenzene	50.000	56.315	-12.6	109	0.00
89 T	n-Butylbenzene	50.000	49.007	2.0	93	0.00
90 T	Hexachloroethane	50.000	52.738	-5.5	100	0.00
91 T	1,2-Dichlorobenzene	50.000	55.766	-11.5	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.704	-5.4	104	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.161	-4.3	99	0.00
94 T	Hexachlorobutadiene	50.000	44.682	10.6	84	0.00
95 T	Naphthalene	50.000	54.679	-9.4	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086940.D
Acq On : 11 Jun 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 12 01:28:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
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	49.672	0.7	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6



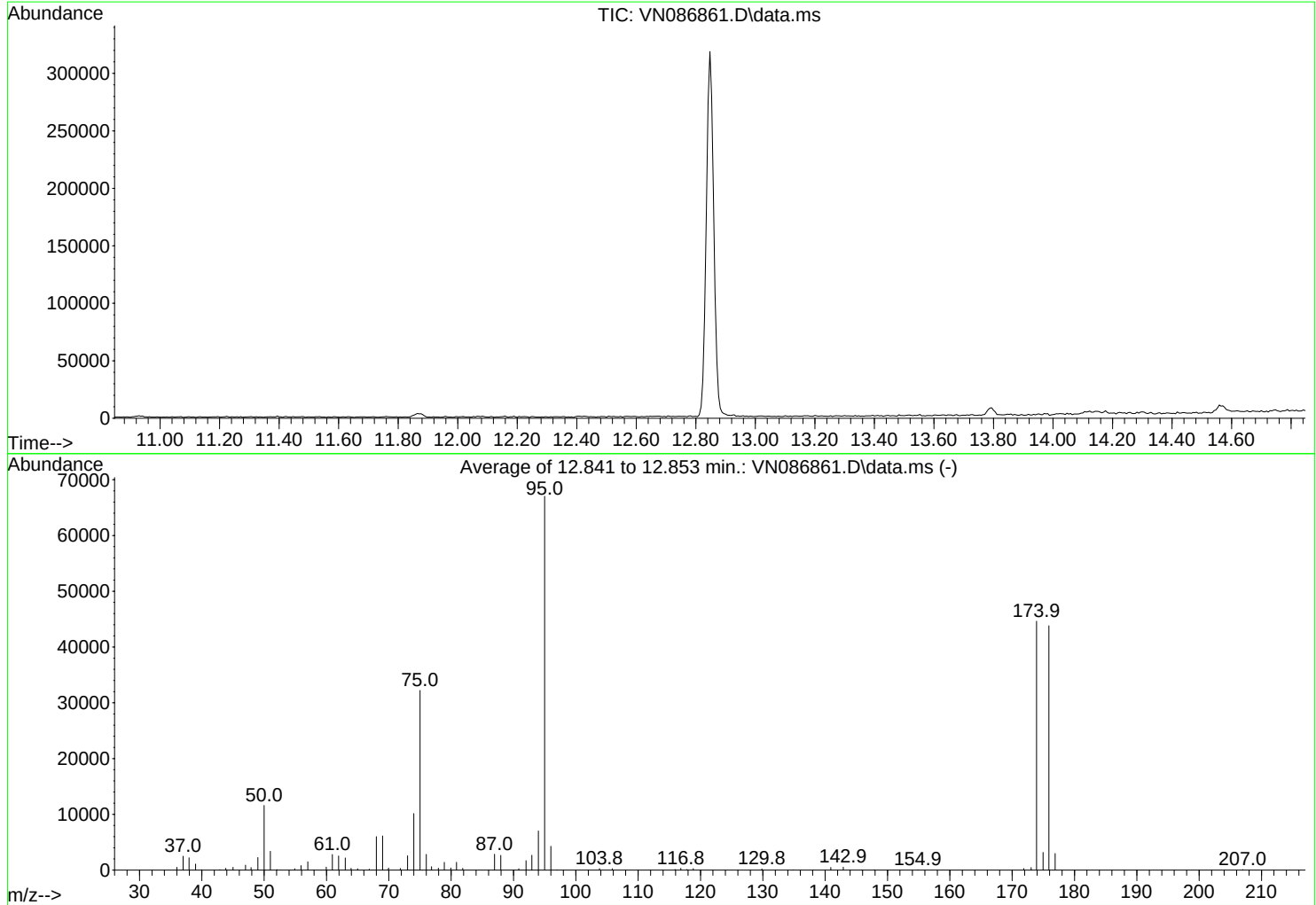
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086861.D
Acq On : 06 Jun 2025 07:59
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\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025



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	17.3	11610	PASS
75	95	30	60	48.1	32235	PASS
95	95	100	100	100.0	67037	PASS
96	95	5	9	6.4	4284	PASS
173	174	0.00	2	1.0	453	PASS
174	95	50	100	66.6	44632	PASS
175	174	5	9	7.1	3184	PASS
176	174	95	101	98.1	43805	PASS
177	176	5	9	6.8	2979	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	508	50.00	11610	63.95	331	76.00	281
37.00	2495	51.00	3387	65.00	260	76.85	60
37.95	2209	52.05	112	66.85	177	77.95	34
39.00	1096	54.90	253	68.00	6008	78.90	141
39.95	84	55.90	806	69.00	6141	79.95	395
42.90	88	57.00	1501	69.80	100	80.85	1397
43.85	329	58.00	50	69.95	383	81.85	328
45.00	512	59.95	526	71.85	297	86.95	2851
47.00	882	60.95	2806	73.00	2562	87.95	2646
47.90	460	61.95	2535	74.00	10138	90.85	264
49.00	2276	63.00	2195	75.00	32235	92.00	1704

Average of 12.841 to 12.853 min.: VN086861.D\data.ms

BFB

Modified:subtracted

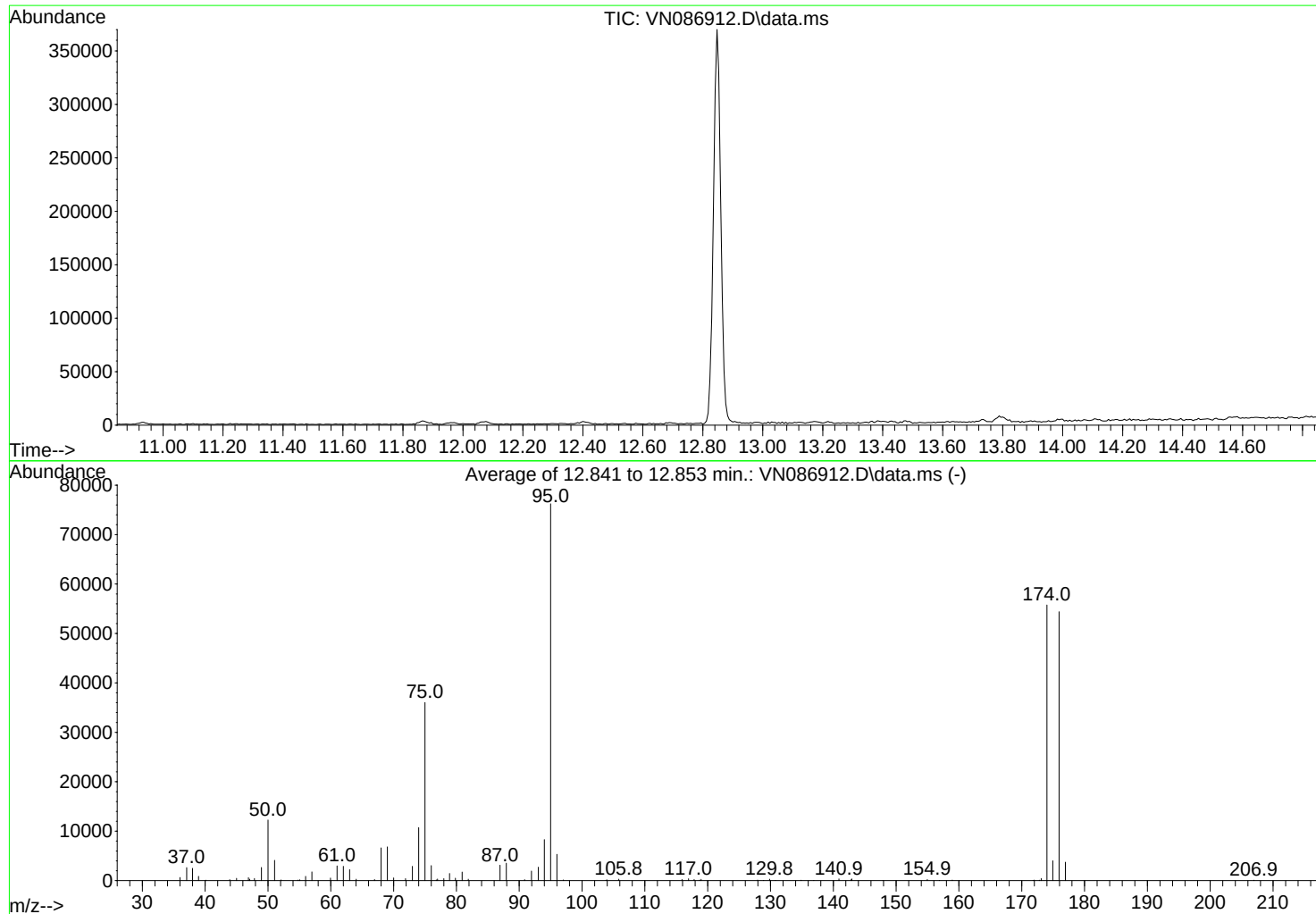
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	2660	129.85	228	175.90	43805		
94.00	7029	134.80	66	176.90	2979		
95.00	67037	140.90	488	207.00	111		
96.00	4284	142.90	542				
97.00	57	145.90	54				
103.80	279	147.90	82				
105.85	267	154.90	64				
115.90	128	171.85	288				
116.85	345	173.05	453				
117.85	116	173.90	44632				
118.85	274	174.95	3184				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086912.D
Acq On : 10 Jun 2025 08:39
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\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025



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	16.1	12262	PASS
75	95	30	60	47.3	36032	PASS
95	95	100	100	100.0	76240	PASS
96	95	5	9	7.0	5316	PASS
173	174	0.00	2	0.8	431	PASS
174	95	50	100	73.1	55768	PASS
175	174	5	9	7.2	4025	PASS
176	174	95	101	97.5	54389	PASS
177	176	5	9	6.9	3729	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	640	50.00	12262	64.05	291	77.00	311
37.05	2628	51.05	4110	66.95	223	78.00	411
38.00	2499	52.10	152	68.00	6638	78.90	145
38.95	876	54.80	105	69.00	6822	79.85	49
40.10	81	55.05	178	70.00	566	80.90	1738
43.90	205	56.00	882	71.90	407	81.90	283
45.00	472	57.00	1769	73.00	2882	86.95	3122
46.90	620	59.95	518	74.00	10736	87.95	3520
47.10	283	61.00	2993	75.00	36032	90.85	196
47.85	430	62.00	2881	76.00	3052	91.95	1931
48.95	2653	63.00	2217	76.80	133	93.05	2726

Average of 12.841 to 12.853 min.: VN086912.D\data.ms

BFB

Modified:subtracted

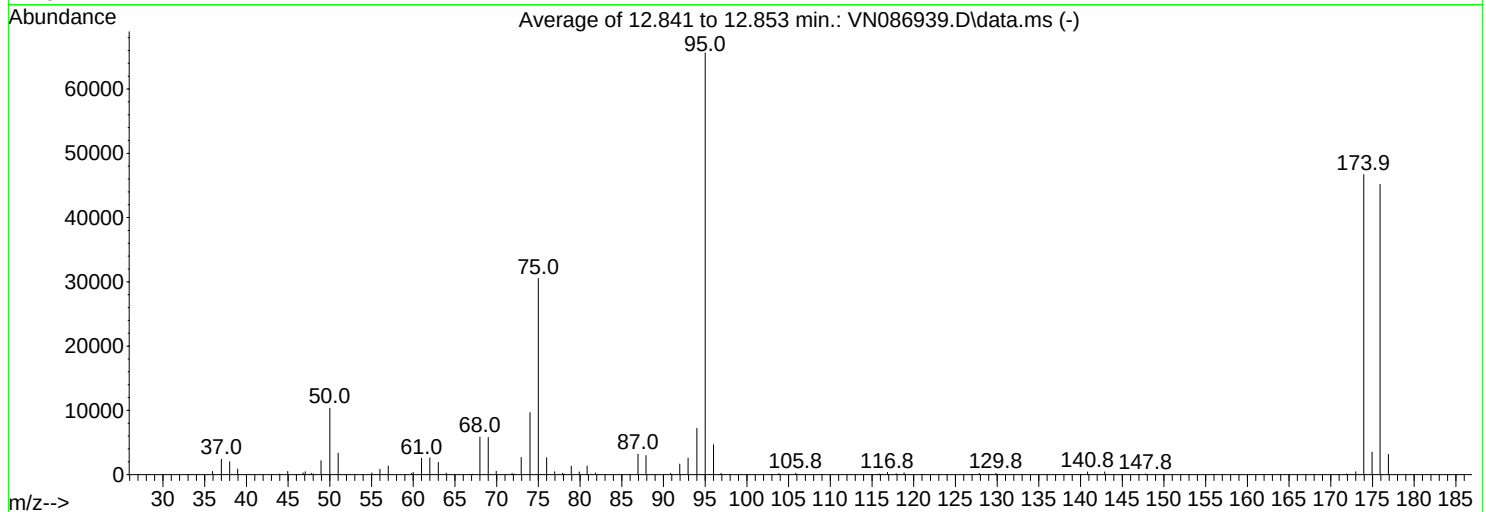
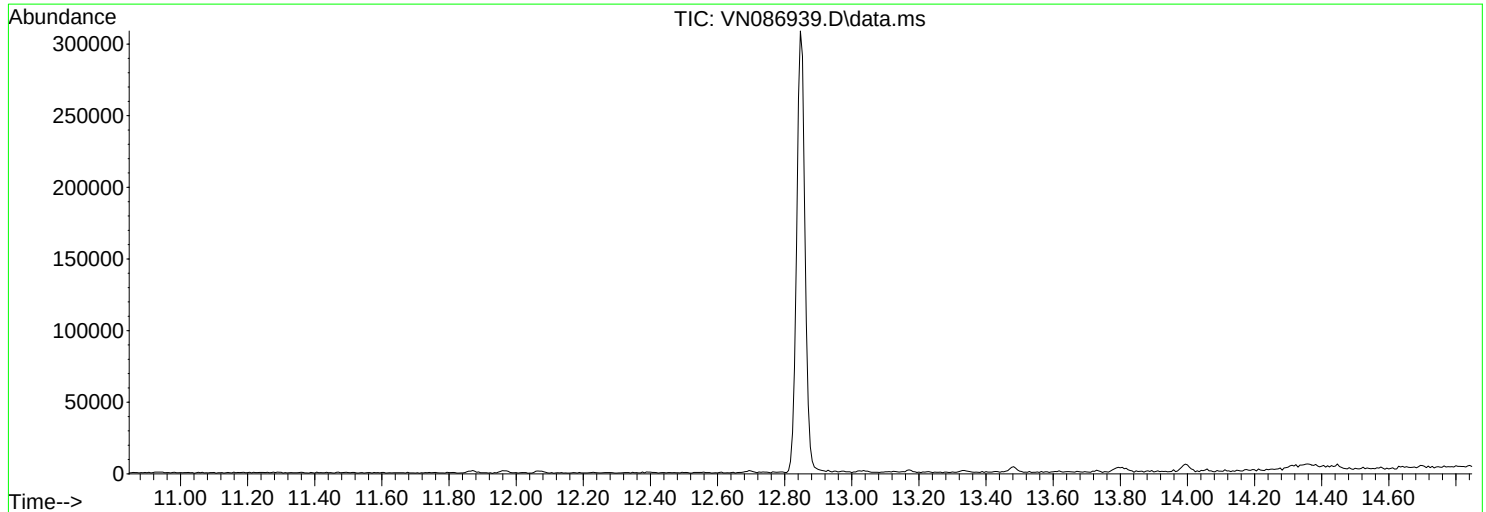
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	8301	118.95	269	154.95	233	206.95	97
95.00	76240	127.95	108	156.90	55		
96.00	5316	128.90	67	158.95	131		
97.05	140	129.85	280	171.80	74		
103.80	69	130.80	50	172.00	108		
103.95	191	134.90	103	172.80	93		
105.85	281	136.90	57	173.10	431		
115.90	232	140.90	356	174.00	55768		
116.95	376	142.80	178	174.95	4025		
117.85	235	142.95	337	175.95	54389		
118.70	117	147.90	67	176.95	3729		

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086939.D
Acq On : 11 Jun 2025 10:22
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\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025



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	15.7	10335	PASS
75	95	30	60	46.5	30525	PASS
95	95	100	100	100.0	65627	PASS
96	95	5	9	7.1	4656	PASS
173	174	0.00	2	1.0	446	PASS
174	95	50	100	71.1	46675	PASS
175	174	5	9	7.5	3520	PASS
176	174	95	101	96.8	45165	PASS
177	176	5	9	7.0	3156	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	494	48.95	2163	63.00	1912	74.00	964
37.00	2403	50.00	10335	63.95	253	75.00	3052
38.00	2017	51.00	3344	64.90	57	76.00	263
38.95	867	51.90	62	66.80	56	76.95	44
39.90	50	55.05	275	67.10	81	77.90	239
43.95	113	56.00	819	68.00	5863	78.10	106
44.95	490	57.00	1338	69.00	5810	78.95	1316
46.80	268	59.80	202	69.95	516	79.90	417
47.05	461	60.00	356	71.85	193	80.85	1355
47.80	192	61.00	2534	72.10	100	81.85	284
48.00	136	62.00	2606	72.95	2656	86.95	3197

Average of 12.841 to 12.853 min.: VN086939.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
87.90	2968	115.90	106	171.90	125		
90.85	197	116.85	346	173.00	446		
91.95	1650	117.90	153	173.95	46675		
92.95	2576	118.85	289	174.95	3520		
94.00	7225	127.85	197	175.90	45165		
95.00	65627	129.00	74	176.90	3156		
96.00	4656	129.85	202				
96.90	194	140.85	437				
103.85	167	142.90	425				
105.85	223	147.00	54				
115.70	63	147.80	119				

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	
Client Sample ID:	VN0610WBL01		SDG No.:	Q2202
Lab Sample ID:	VN0610WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086915.D	1		06/10/25 10:09	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	
Client Sample ID:	VN0610WBL01		SDG No.:	Q2202
Lab Sample ID:	VN0610WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086915.D	1		06/10/25 10:09	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.7		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	8.23			
540-36-3	1,4-Difluorobenzene	441000	9.106			
3114-55-4	Chlorobenzene-d5	386000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	183000	13.788			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	VN0610WBL01	SDG No.:	Q2202
Lab Sample ID:	VN0610WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086915.D	1		06/10/25 10:09	VN061025

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\VN061025\
Data File : VN086915.D
Acq On : 10 Jun 2025 10:09
Operator : JC\MD
Sample : VN0610WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Quant Time: Jun 11 01:48:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	241251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	440901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	386425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	183380	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	150863	46.706	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.420%
35) Dibromofluoromethane	8.177	113	127940	48.965	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.940%
50) Toluene-d8	10.565	98	532983	51.527	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.060%
62) 4-Bromofluorobenzene	12.847	95	188114	48.950	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.900%

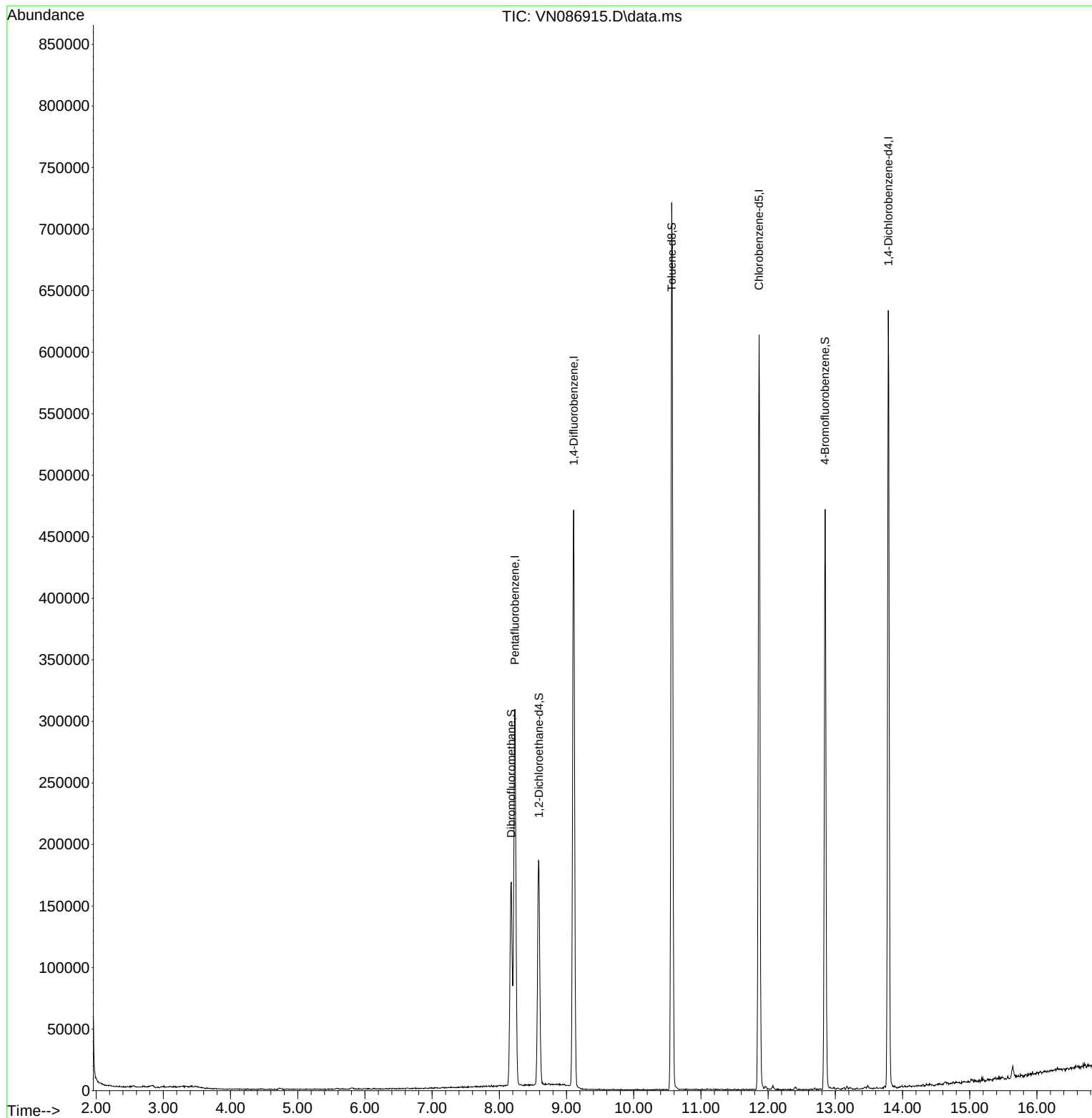
Target Compounds	Qvalue

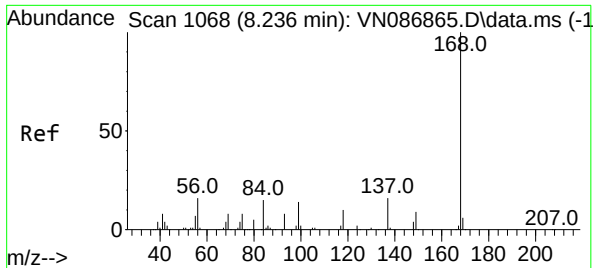
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086915.D
Acq On : 10 Jun 2025 10:09
Operator : JC\MD
Sample : VN0610WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Quant Time: Jun 11 01:48:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

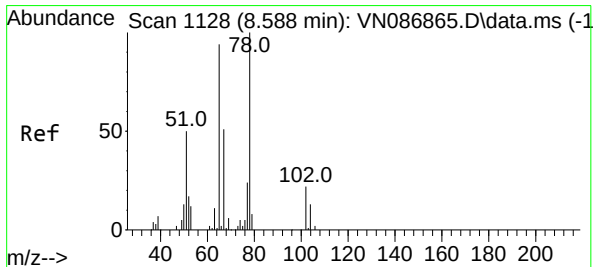
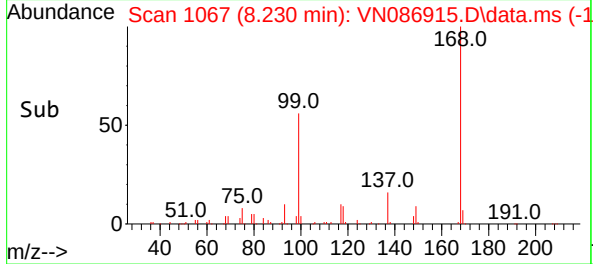
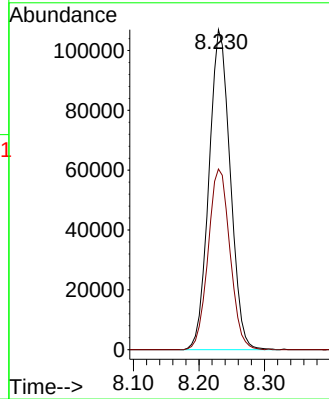
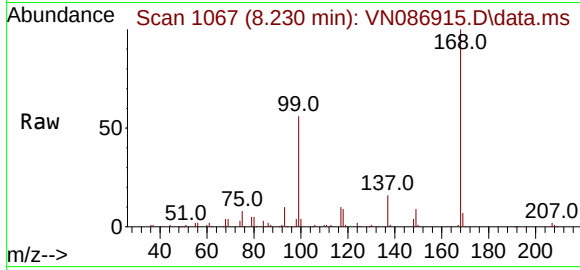




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

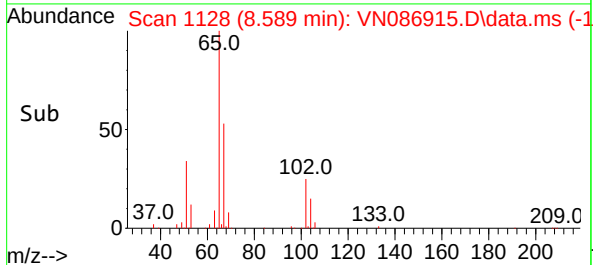
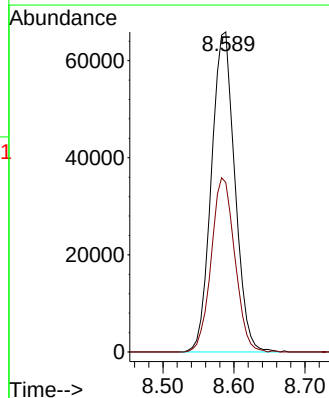
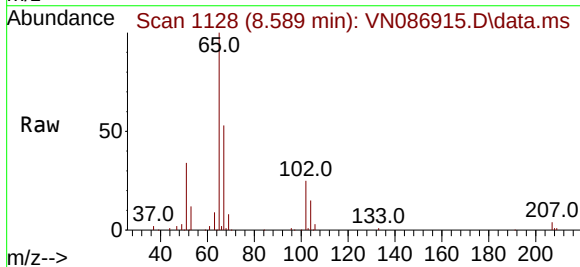
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

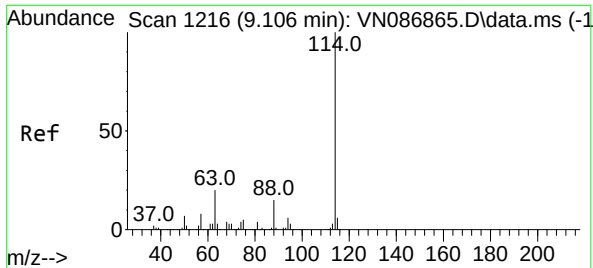
Tgt Ion:168 Resp: 241251
Ion Ratio Lower Upper
168 100
99 56.4 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 46.706 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Tgt Ion: 65 Resp: 150863
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086915.D

Acq: 10 Jun 2025 10:09

Instrument :

MSVOA_N

ClientSampleId :

VN0610WBL01

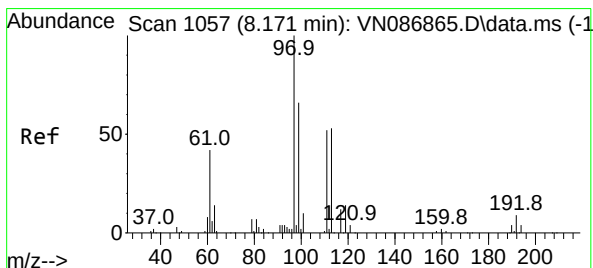
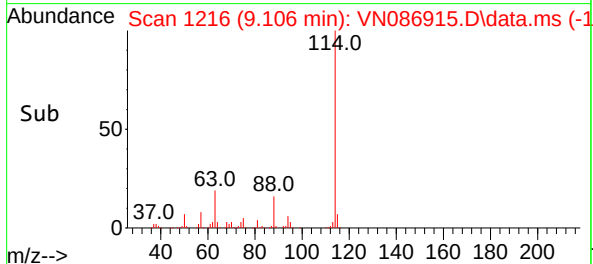
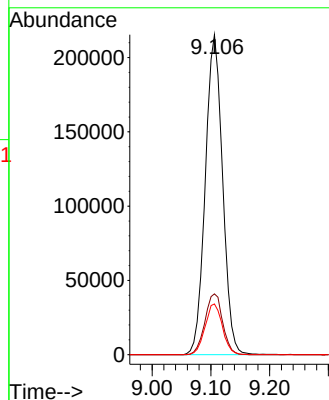
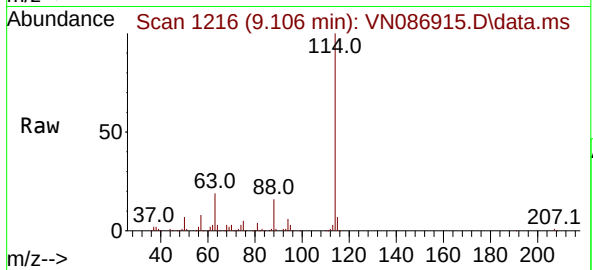
Tgt Ion:114 Resp: 440901

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.9 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.965 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086915.D

Acq: 10 Jun 2025 10:09

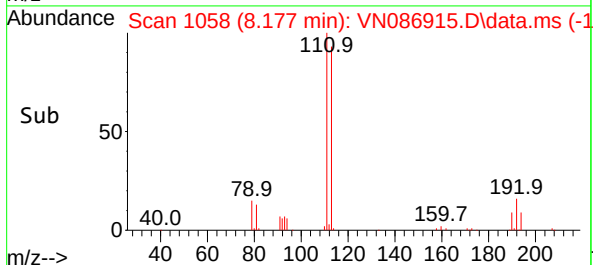
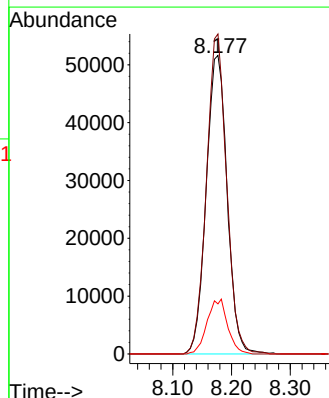
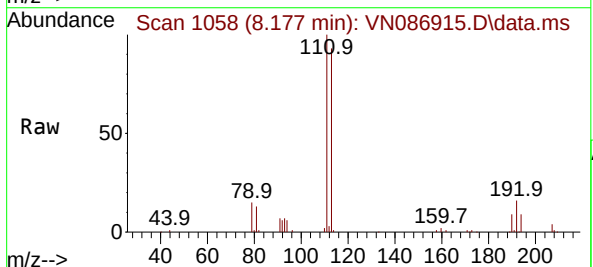
Tgt Ion:113 Resp: 127940

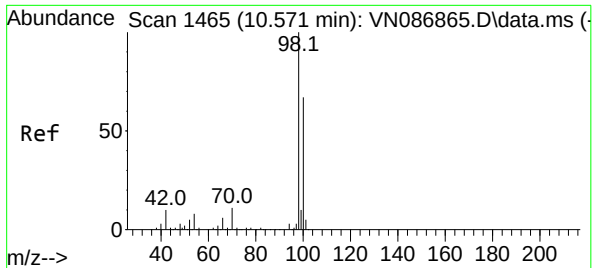
Ion Ratio Lower Upper

113 100

111 103.3 84.2 126.2

192 18.1 14.2 21.4

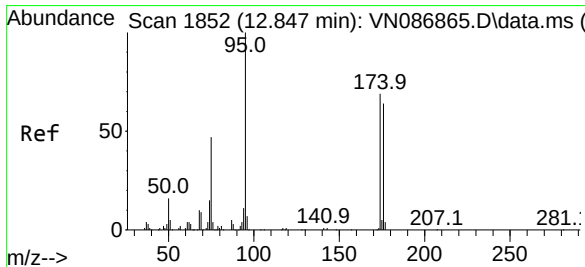
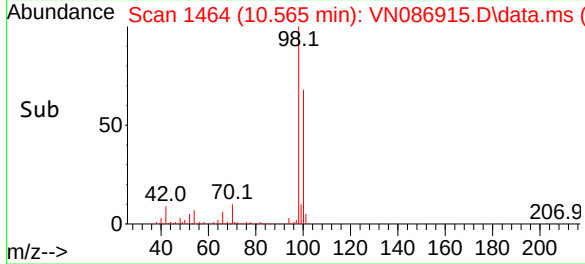
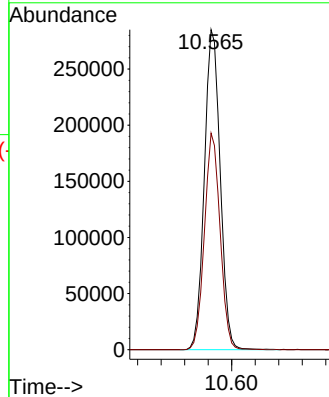
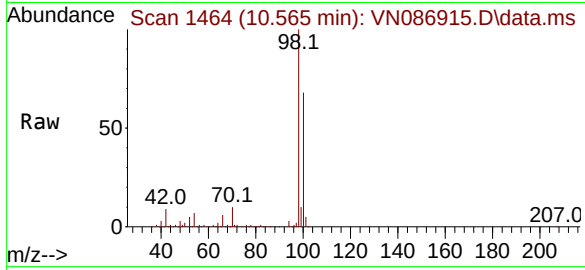




#50
Toluene-d8
Concen: 51.527 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

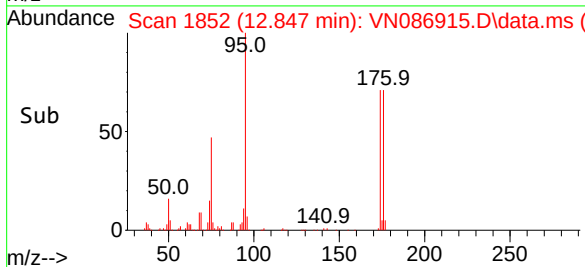
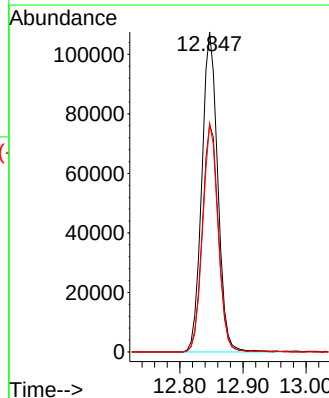
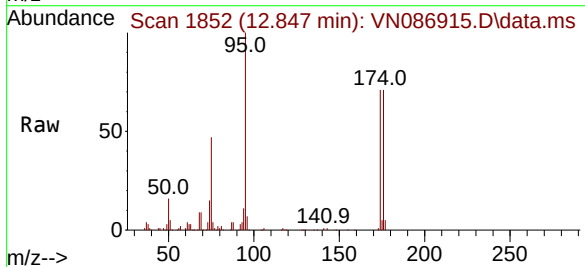
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

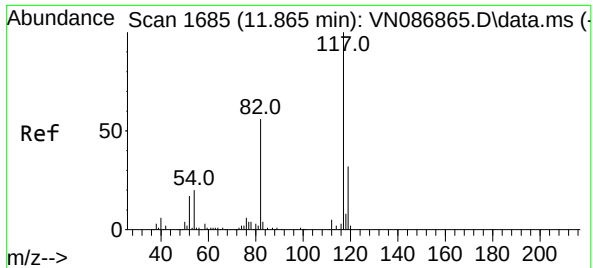
Tgt Ion: 98 Resp: 532983
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 48.950 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Tgt Ion: 95 Resp: 188114
Ion Ratio Lower Upper
95 100
174 71.2 0.0 141.8
176 69.4 0.0 132.6

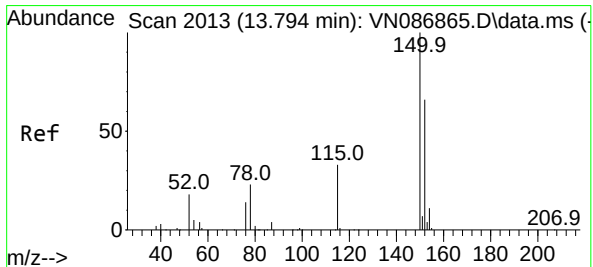
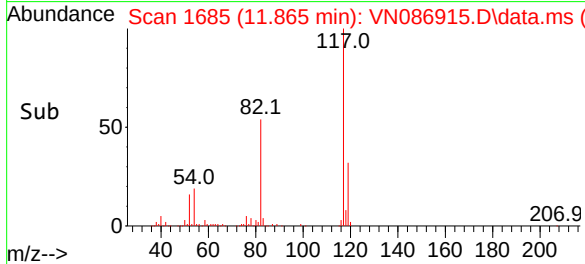
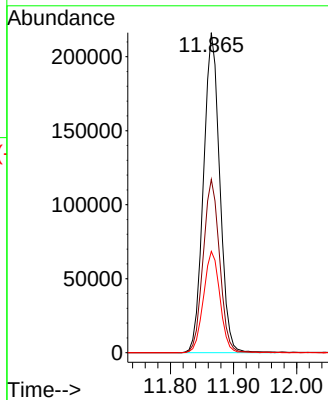
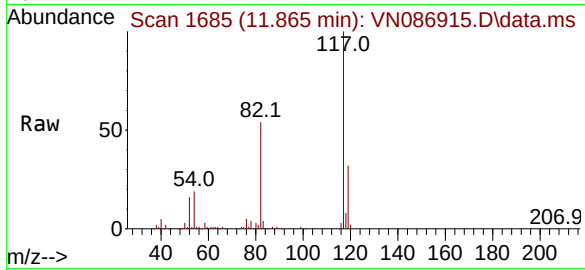




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

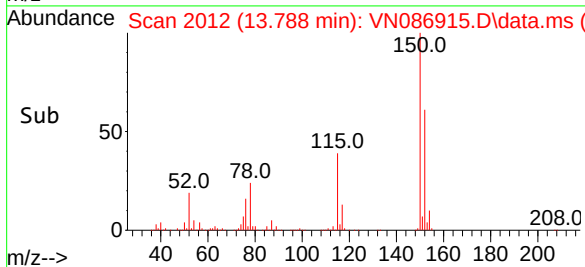
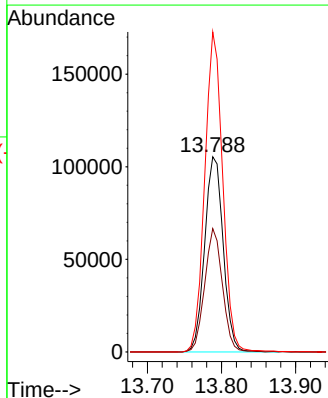
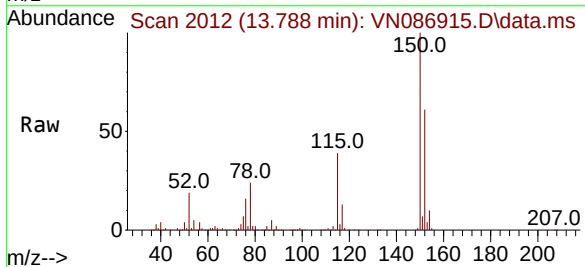
Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Tgt Ion:117 Resp: 386425
Ion Ratio Lower Upper
117 100
82 54.2 44.6 67.0
119 31.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Tgt Ion:152 Resp: 183380
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.5
150 158.5 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086915.D
Acq On : 10 Jun 2025 10:09
Operator : JC\MD
Sample : VN0610WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

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\82N060625W.M

Title : SW846 8260

Signal : TIC: VN086915.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1049	1058	1062	rBV2	165126	398331	29.59%	5.841%
2	8.230	1062	1067	1080	rVB	305274	683837	50.80%	10.027%
3	8.583	1118	1127	1138	rBV	181701	418600	31.10%	6.138%
4	9.106	1207	1216	1230	rVB	469464	968099	71.91%	14.195%
5	10.565	1455	1464	1474	rBV	721185	1346188	100.00%	19.739%
6	11.865	1676	1685	1696	rBV	613542	1107462	82.27%	16.239%
7	12.847	1845	1852	1862	rBV	471466	814056	60.47%	11.937%
8	13.788	2004	2012	2023	rBV	631238	1066162	79.20%	15.633%
9	15.641	2322	2327	2334	rVB	9041	17113	1.27%	0.251%

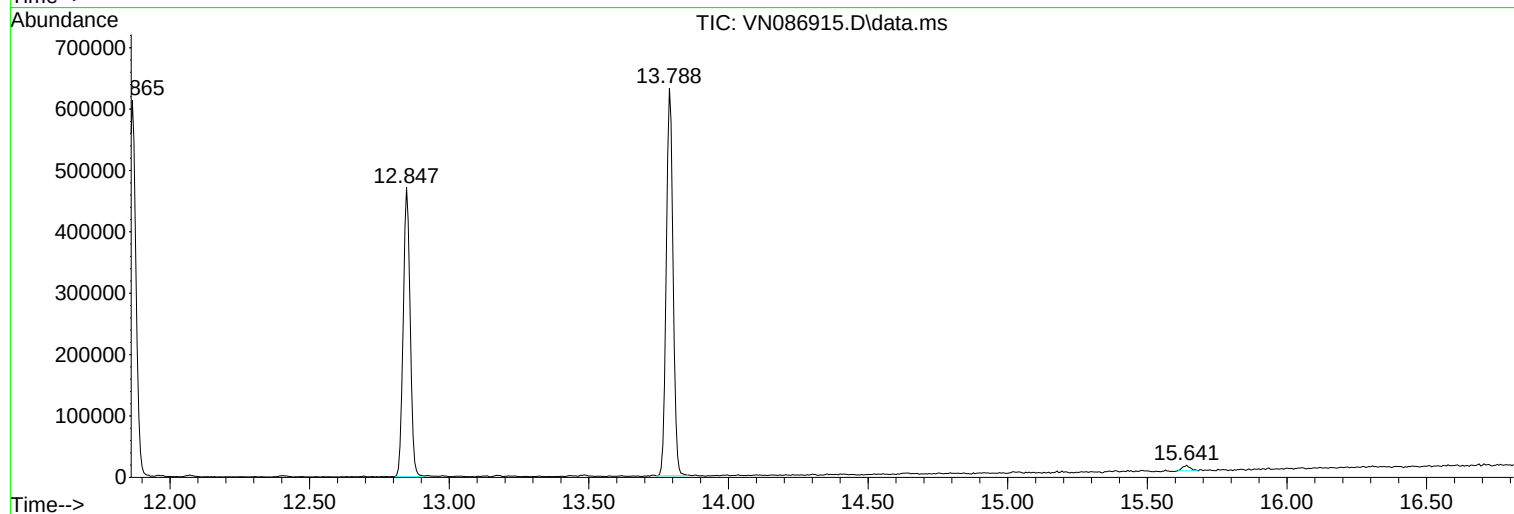
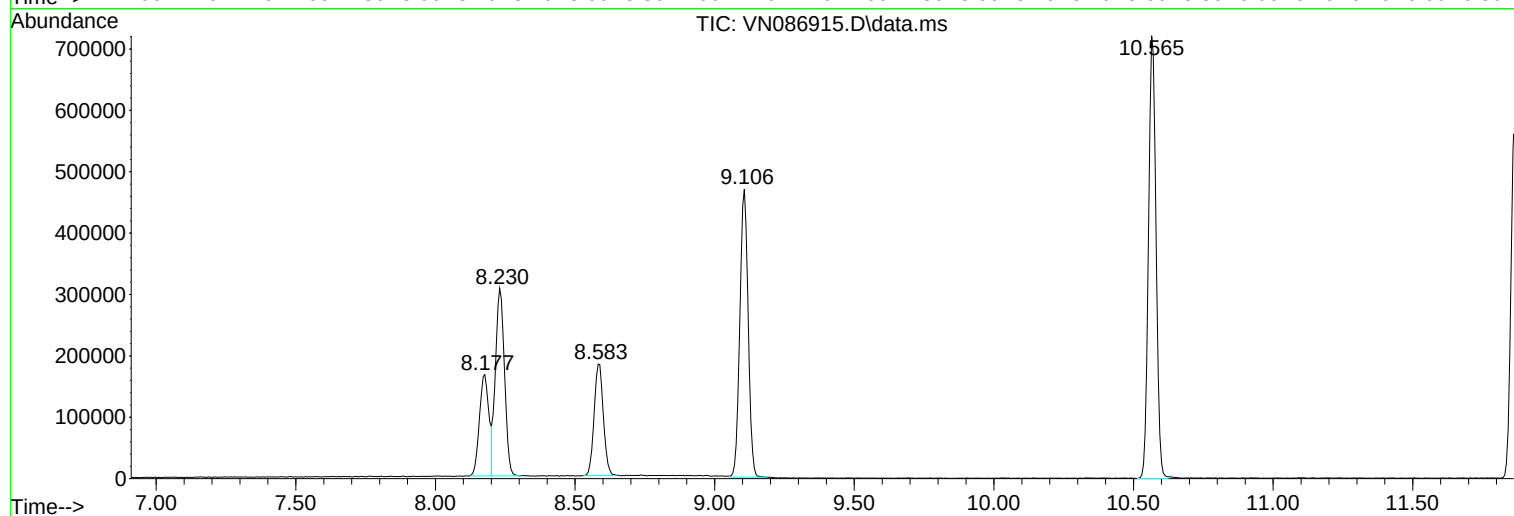
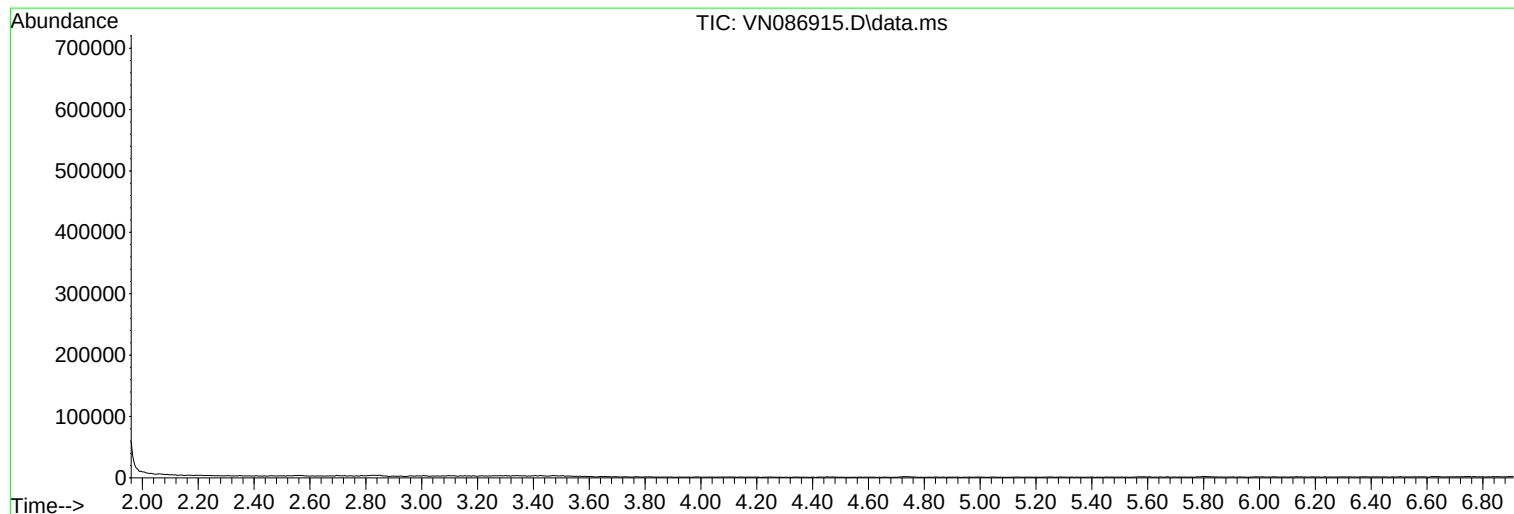
Sum of corrected areas: 6819848

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086915.D
Acq On : 10 Jun 2025 10:09
Operator : JC\MD
Sample : VN0610WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086915.D
Acq On : 10 Jun 2025 10:09
Operator : JC\MD
Sample : VN0610WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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\VN061025\
Data File : VN086915.D
Acq On : 10 Jun 2025 10:09
Operator : JC\MD
Sample : VN0610WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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 Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	VN0611WBL01	SDG No.:	Q2202
Lab Sample ID:	VN0611WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	
Client Sample ID:	VN0611WBL01		SDG No.:	Q2202
Lab Sample ID:	VN0611WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	51.7		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	328000	8.23			
540-36-3	1,4-Difluorobenzene	619000	9.106			
3114-55-4	Chlorobenzene-d5	543000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.788			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	VN0611WBL01	SDG No.:	Q2202
Lab Sample ID:	VN0611WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086942.D
 Acq On : 11 Jun 2025 12:28
 Operator : JC\MD
 Sample : VN0611WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBL01

Quant Time: Jun 12 01:30:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	328120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	618651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	543433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	257257	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	212062	48.271	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.540%
35) Dibromofluoromethane	8.177	113	180701	49.287	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	10.565	98	749967	51.673	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.340%
62) 4-Bromofluorobenzene	12.847	95	266545	49.431	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.860%

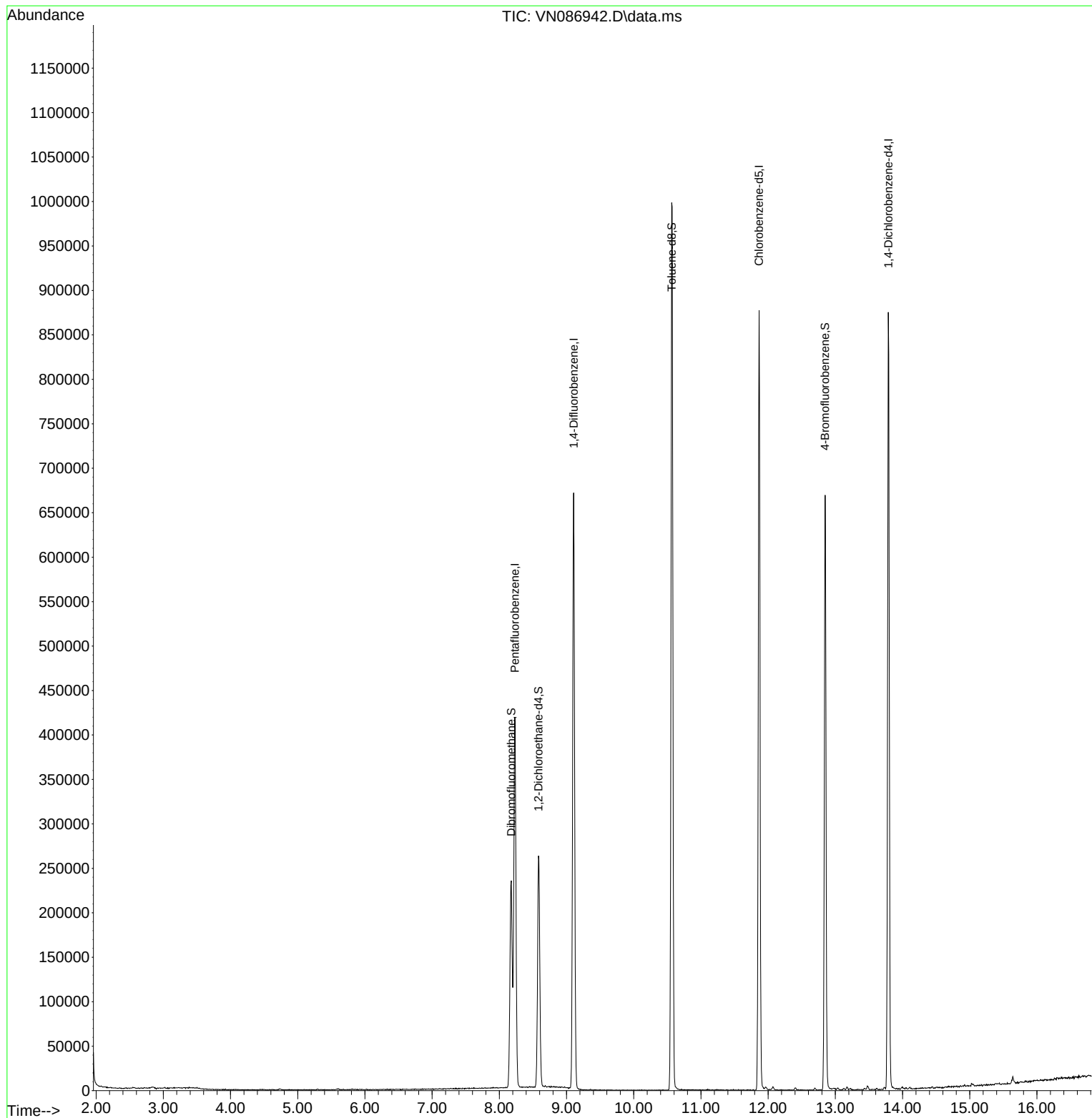
Target Compounds	Qvalue

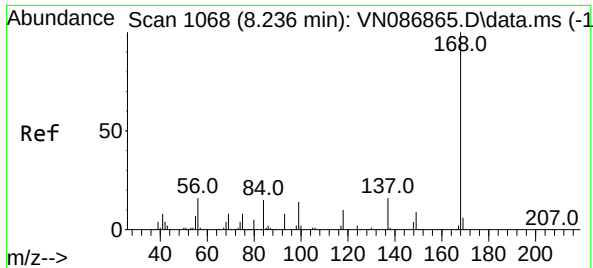
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Quant Time: Jun 12 01:30:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

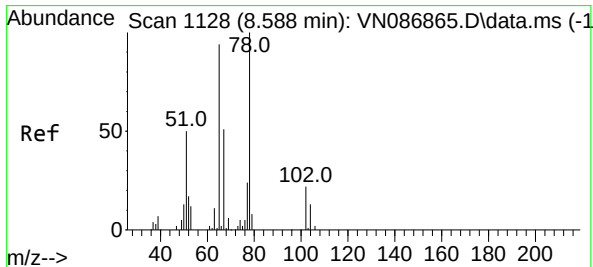
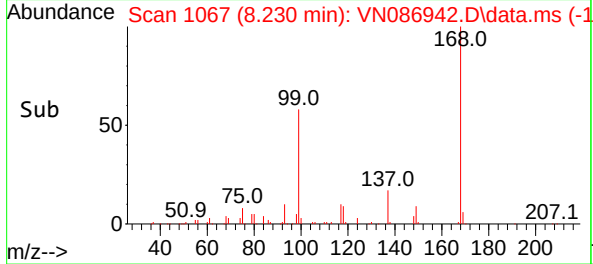
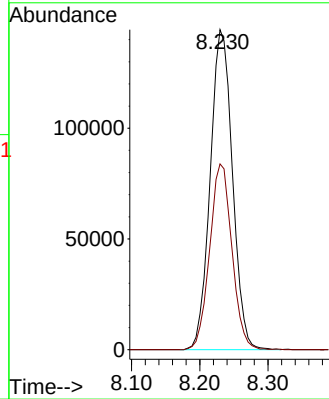
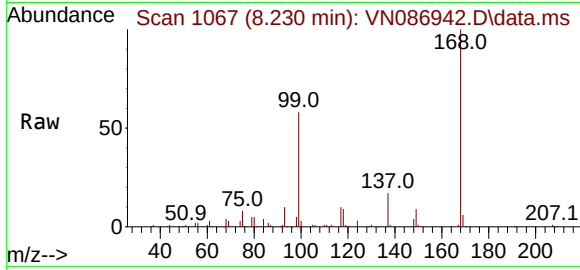




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

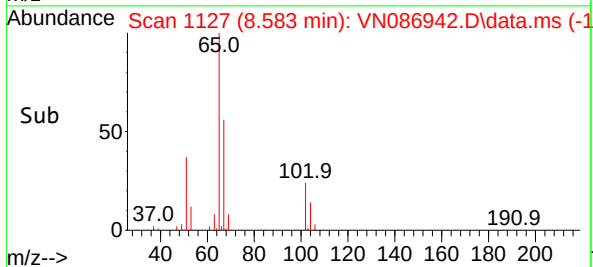
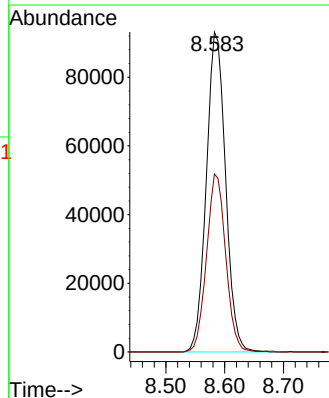
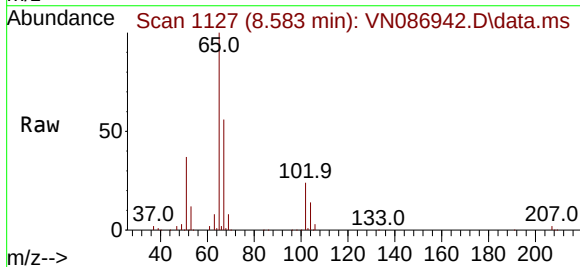
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

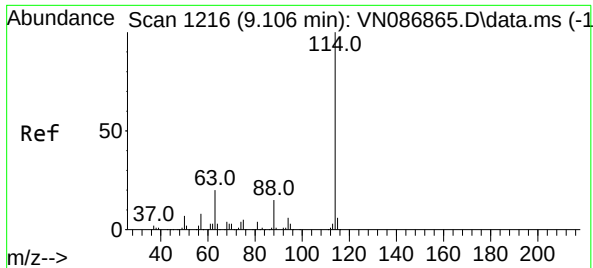
Tgt Ion:168 Resp: 328120
Ion Ratio Lower Upper
168 100
99 58.0 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 48.271 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Tgt Ion: 65 Resp: 212062
Ion Ratio Lower Upper
65 100
67 55.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086942.D

Acq: 11 Jun 2025 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBL01

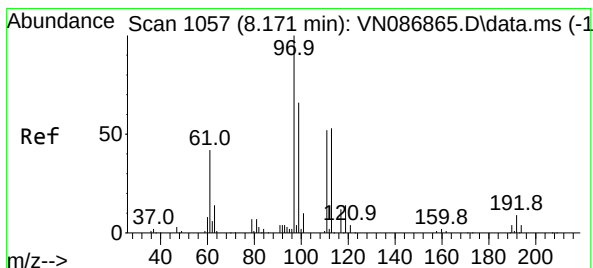
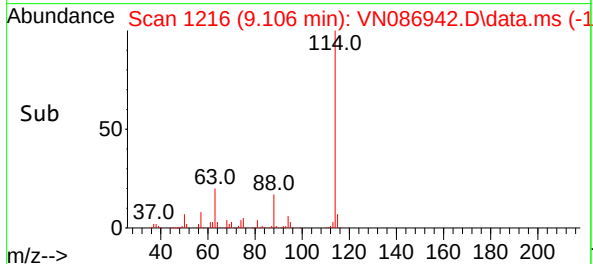
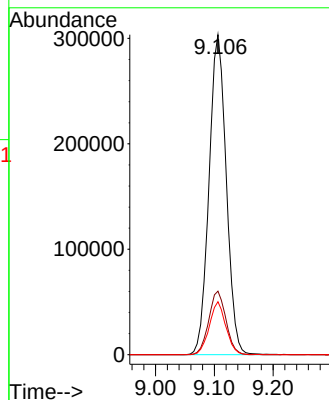
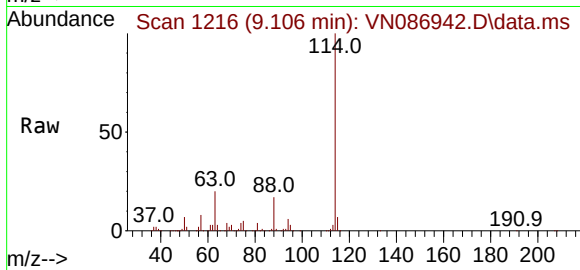
Tgt Ion:114 Resp: 618651

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 16.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.287 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086942.D

Acq: 11 Jun 2025 12:28

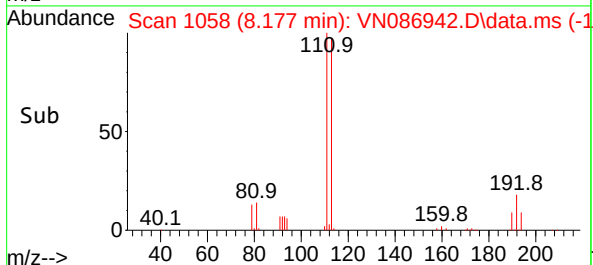
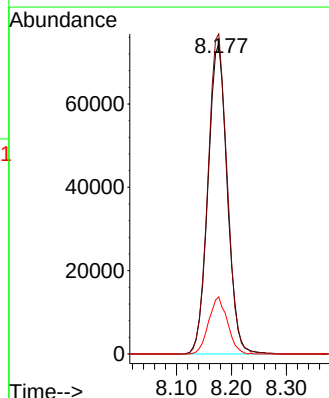
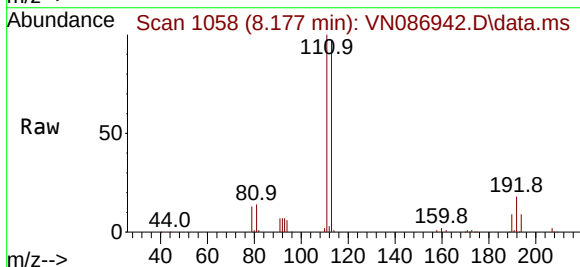
Tgt Ion:113 Resp: 180701

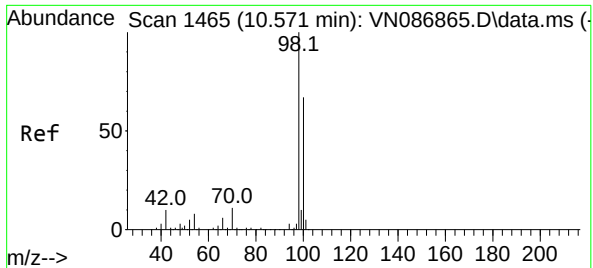
Ion Ratio Lower Upper

113 100

111 103.1 84.2 126.2

192 18.0 14.2 21.4

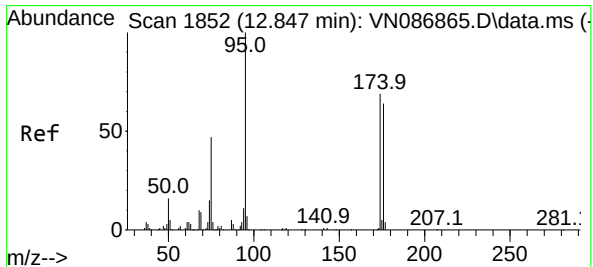
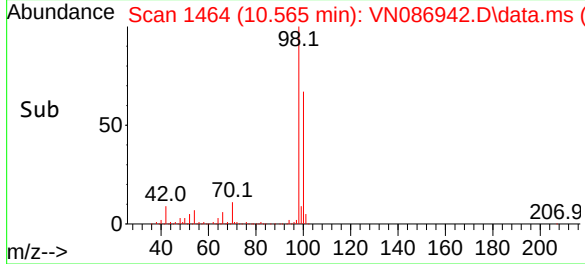
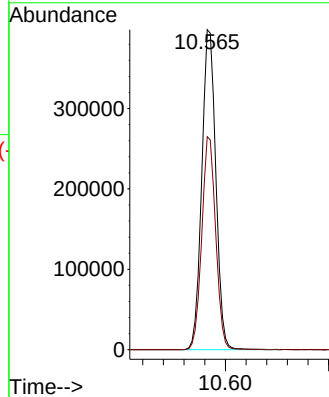
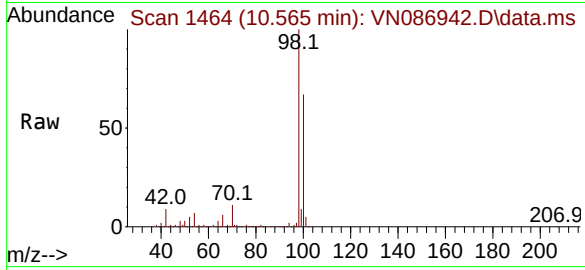




#50
Toluene-d8
Concen: 51.673 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

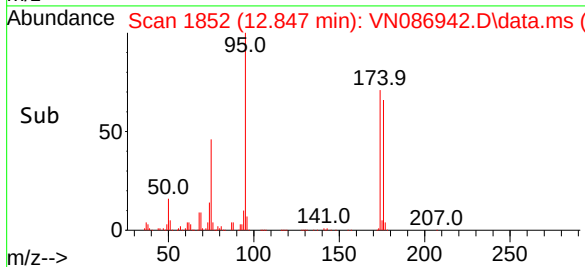
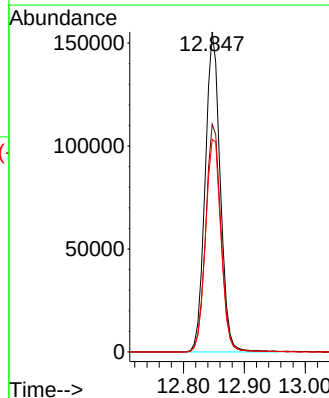
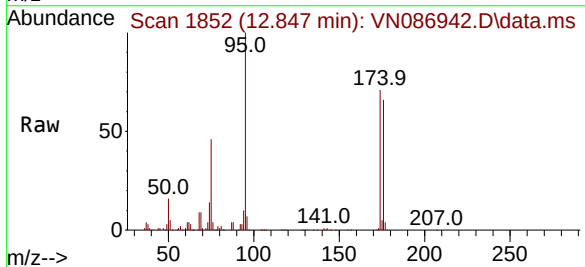
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

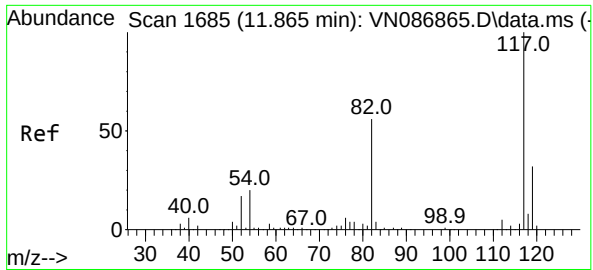
Tgt Ion: 98 Resp: 749967
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Tgt Ion: 95 Resp: 266545
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.8
176 68.8 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086942.D

Acq: 11 Jun 2025 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBL01

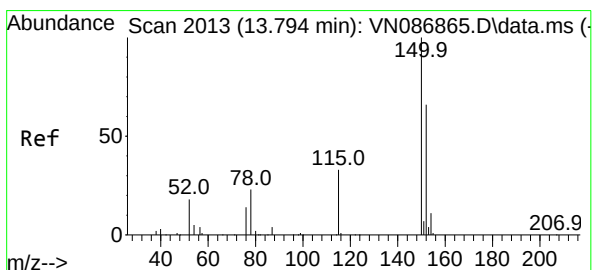
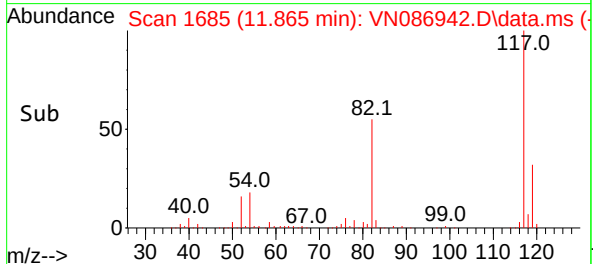
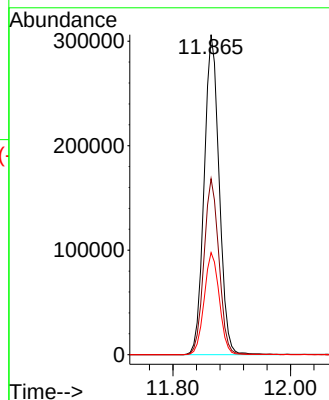
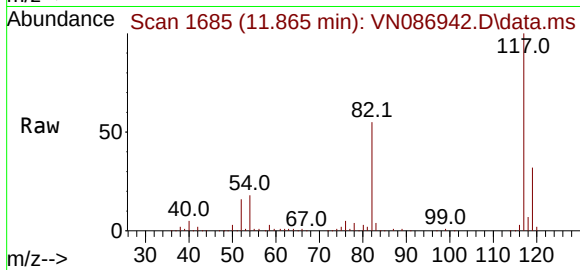
Tgt Ion:117 Resp: 543433

Ion Ratio Lower Upper

117 100

82 55.0 44.6 67.0

119 31.9 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN086942.D

Acq: 11 Jun 2025 12:28

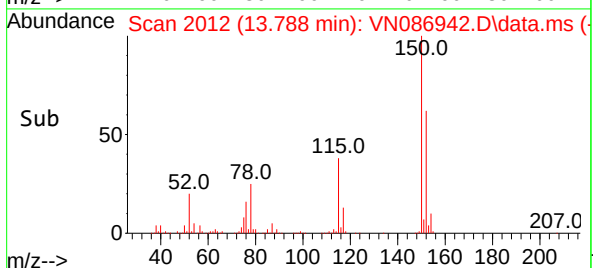
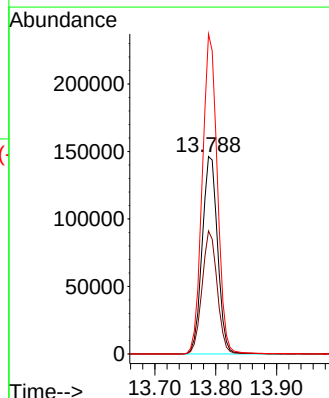
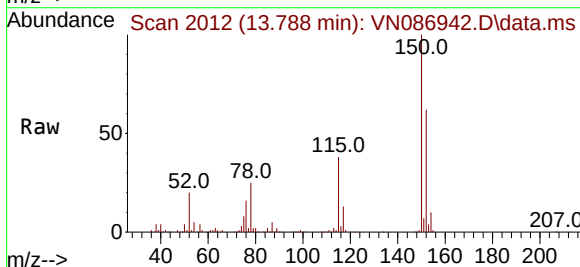
Tgt Ion:152 Resp: 257257

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.5

150 157.9 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

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\82N060625W.M

Title : SW846 8260

Signal : TIC: VN086942.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1047	1058	1062	rBV	233085	565978	30.02%	5.919%
2	8.230	1062	1067	1080	rVB	416474	938498	49.77%	9.815%
3	8.583	1118	1127	1138	rBV	260361	595602	31.59%	6.229%
4	9.106	1207	1216	1229	rVB	670915	1364473	72.36%	14.270%
5	10.565	1456	1464	1474	rBV	997779	1885613	100.00%	19.720%
6	11.865	1677	1685	1698	rBV	876609	1557898	82.62%	16.293%
7	12.847	1844	1852	1864	rBV	669132	1151656	61.08%	12.044%
8	13.788	2005	2012	2022	rBV	873448	1502092	79.66%	15.709%

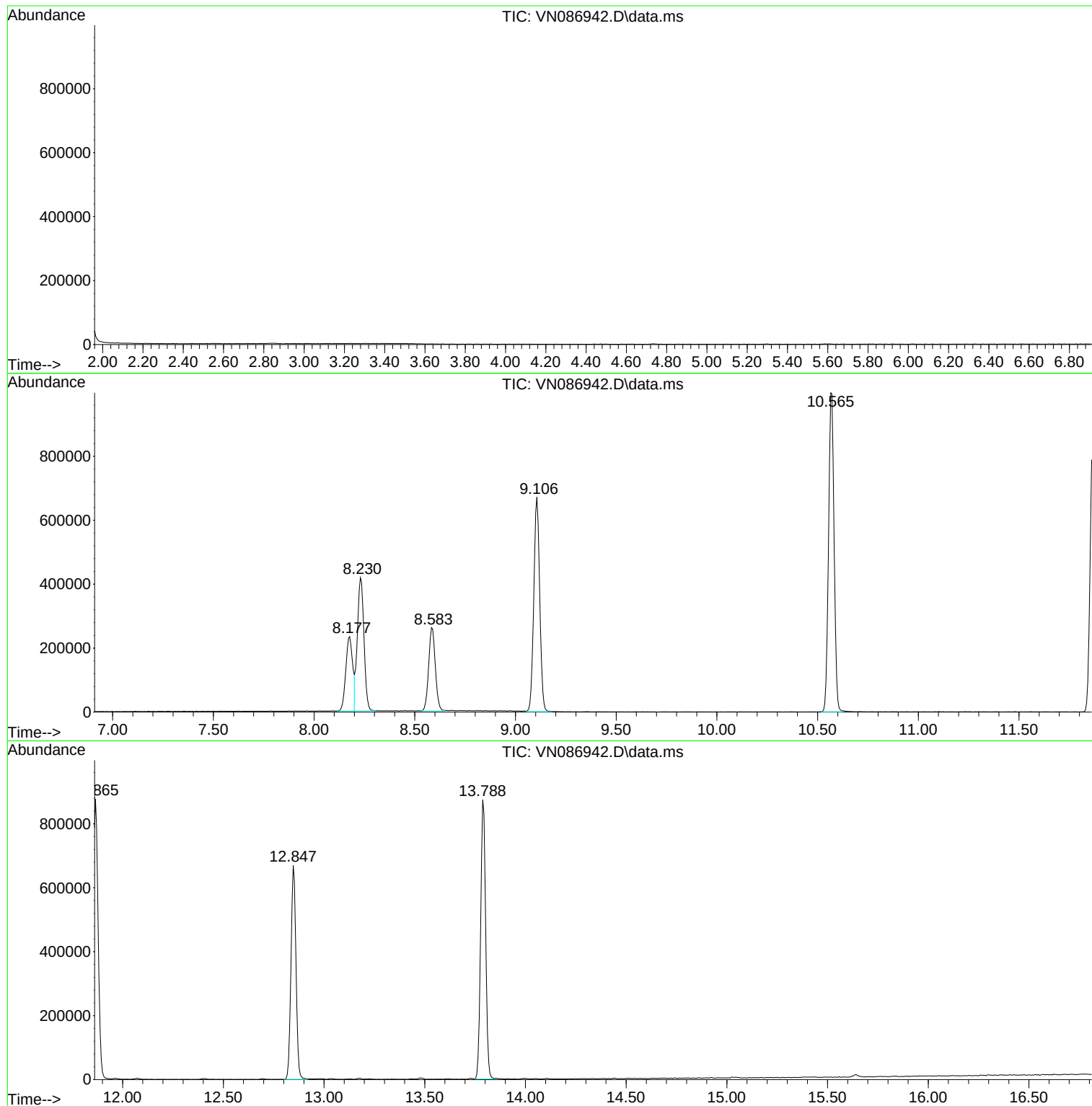
Sum of corrected areas: 9561810

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.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 Engineering of New York, Inc.			Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05			Date Received:	
Client Sample ID:	VN0610WBS01			SDG No.:	Q2202
Lab Sample ID:	VN0610WBS01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086916.D	1		06/10/25 10:30	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.0		0.22	1.00	ug/L
74-87-3	Chloromethane	15.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.0		0.26	1.00	ug/L
74-83-9	Bromomethane	19.7		1.40	5.00	ug/L
75-00-3	Chloroethane	18.4		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	1.00	ug/L
67-64-1	Acetone	80.3		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.1		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	17.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.4		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.5		1.50	5.00	ug/L
78-93-3	2-Butanone	84.0		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.7		0.19	1.00	ug/L
74-97-5	Bromochloromethane	16.6		0.22	1.00	ug/L
67-66-3	Chloroform	18.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.1		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	15.9		0.16	1.00	ug/L
71-43-2	Benzene	18.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	91.5		0.68	5.00	ug/L
108-88-3	Toluene	19.0		0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	
Client Sample ID:	VN0610WBS01		SDG No.:	Q2202
Lab Sample ID:	VN0610WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086916.D	1		06/10/25 10:30	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	87.4		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.9		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	37.7		0.24	2.00	ug/L
95-47-6	o-Xylene	18.9		0.12	1.00	ug/L
100-42-5	Styrene	19.0		0.15	1.00	ug/L
75-25-2	Bromoform	20.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.1		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.8		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.7		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.0		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.7		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		74 - 125	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.6		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	8.23			
540-36-3	1,4-Difluorobenzene	443000	9.106			
3114-55-4	Chlorobenzene-d5	389000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	190000	13.788			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	VN0610WBS01	SDG No.:	Q2202
Lab Sample ID:	VN0610WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086916.D	1		06/10/25 10:30	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086916.D
 Acq On : 10 Jun 2025 10:30
 Operator : JC\MD
 Sample : VN0610WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:48:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	249843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	443174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	389297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	189620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151805	45.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.760%		
35) Dibromofluoromethane	8.177	113	129937	49.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.940%		
50) Toluene-d8	10.571	98	505508	48.620	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.240%		
62) 4-Bromofluorobenzene	12.847	95	186676	48.327	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	47416	19.034	ug/l	98
3) Chloromethane	2.401	50	51246	15.931	ug/l	100
4) Vinyl Chloride	2.553	62	59638	17.973	ug/l	98
5) Bromomethane	3.000	94	36539	19.677	ug/l	96
6) Chloroethane	3.159	64	39443	18.402	ug/l	96
7) Trichlorofluoromethane	3.530	101	79526	18.343	ug/l	97
8) Diethyl Ether	3.983	74	35508	18.798	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	49596	18.208	ug/l	99
10) Methyl Iodide	4.612	142	51915	14.703	ug/l	95
11) Tert butyl alcohol	5.530	59	74605	82.194	ug/l	99
12) 1,1-Dichloroethene	4.365	96	52125	18.744	ug/l	90
13) Acrolein	4.200	56	22542	78.459	ug/l	98
14) Allyl chloride	5.047	41	78157	16.947	ug/l	97
15) Acrylonitrile	5.741	53	189727	89.429	ug/l	99
16) Acetone	4.447	43	142458	80.306	ug/l	97
17) Carbon Disulfide	4.736	76	131873	17.144	ug/l	100
18) Methyl Acetate	5.047	43	88551	17.129	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	187833	18.655	ug/l	99
20) Methylene Chloride	5.300	84	57671	17.365	ug/l	95
21) trans-1,2-Dichloroethene	5.812	96	55486	17.934	ug/l	96
22) Diisopropyl ether	6.688	45	176809	18.188	ug/l	96
23) Vinyl Acetate	6.618	43	744861	90.687	ug/l	98
24) 1,1-Dichloroethane	6.583	63	101669	18.173	ug/l	98
25) 2-Butanone	7.494	43	242187	83.991	ug/l	95
26) 2,2-Dichloropropane	7.500	77	89631	20.596	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	69159	18.691	ug/l	99
28) Bromochloromethane	7.824	49	45748	16.632	ug/l	93
29) Tetrahydrofuran	7.847	42	160591	85.494	ug/l	97
30) Chloroform	7.977	83	101594	18.184	ug/l	97
31) Cyclohexane	8.265	56	89487	16.494	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	85981	18.094	ug/l	98
36) 1,1-Dichloropropene	8.382	75	74129	18.942	ug/l	100
37) Ethyl Acetate	7.571	43	88740	17.812	ug/l	99
38) Carbon Tetrachloride	8.371	117	72144	18.777	ug/l	97
39) Methylcyclohexane	9.606	83	85476	15.942	ug/l	96
40) Benzene	8.612	78	236213	18.458	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086916.D
 Acq On : 10 Jun 2025 10:30
 Operator : JC\MD
 Sample : VN0610WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:48:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	48124	17.200	ug/l	93
42) 1,2-Dichloroethane	8.677	62	72690	18.727	ug/l	99
43) Isopropyl Acetate	8.694	43	144037	18.014	ug/l	97
44) Trichloroethene	9.353	130	58449	19.262	ug/l	97
45) 1,2-Dichloropropane	9.624	63	58046	18.644	ug/l	97
46) Dibromomethane	9.712	93	39229	18.970	ug/l	98
47) Bromodichloromethane	9.888	83	80034	18.810	ug/l	99
48) Methyl methacrylate	9.682	41	64650	17.567	ug/l	96
49) 1,4-Dioxane	9.700	88	23656	353.325	ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	440301	91.469	ug/l	98
52) Toluene	10.629	92	148340	18.967	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	93038	19.555	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	98066	19.264	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	58629	19.483	ug/l	99
56) Ethyl methacrylate	10.882	69	93272	19.460	ug/l	96
57) 1,3-Dichloropropane	11.165	76	99132	18.990	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	251485	87.967	ug/l	98
59) 2-Hexanone	11.206	43	271013	87.405	ug/l	91
60) Dibromochloromethane	11.359	129	61081	19.481	ug/l	99
61) 1,2-Dibromoethane	11.470	107	58347	18.916	ug/l	100
64) Tetrachloroethene	11.106	164	44151	17.920	ug/l	94
65) Chlorobenzene	11.888	112	162051	18.874	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	52766	19.118	ug/l	99
67) Ethyl Benzene	11.965	91	270410	18.284	ug/l	98
68) m/p-Xylenes	12.070	106	213409	37.696	ug/l	96
69) o-Xylene	12.400	106	102597	18.922	ug/l	98
70) Styrene	12.412	104	176358	19.008	ug/l	99
71) Bromoform	12.576	173	41058	20.077	ug/l #	98
73) Isopropylbenzene	12.694	105	249411	18.055	ug/l	100
74) N-amyl acetate	12.529	43	98634m	20.433	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.941	83	90657	19.372	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	77098m	17.105	ug/l	
77) Bromobenzene	12.976	156	61956	19.557	ug/l	97
78) n-propylbenzene	13.035	91	298896	17.805	ug/l	100
79) 2-Chlorotoluene	13.123	91	183491	18.226	ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	201924	17.705	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	39145	19.992	ug/l	91
82) 4-Chlorotoluene	13.217	91	188207	18.476	ug/l	99
83) tert-Butylbenzene	13.435	119	186449	17.859	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	206670	18.071	ug/l	100
85) sec-Butylbenzene	13.612	105	255364	16.843	ug/l	99
86) p-Isopropyltoluene	13.729	119	212141	16.927	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	117325	18.823	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	118648	18.671	ug/l	99
89) n-Butylbenzene	14.053	91	197259	16.250	ug/l	99
90) Hexachloroethane	14.329	117	36492	17.178	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	112799	18.837	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	20803	18.587	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	64838	16.956	ug/l	100
94) Hexachlorobutadiene	15.500	225	20732	14.552	ug/l	98
95) Naphthalene	15.635	128	257750	18.109	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	59536	15.670	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086916.D
Acq On : 10 Jun 2025 10:30
Operator : JC\MD
Sample : VN0610WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

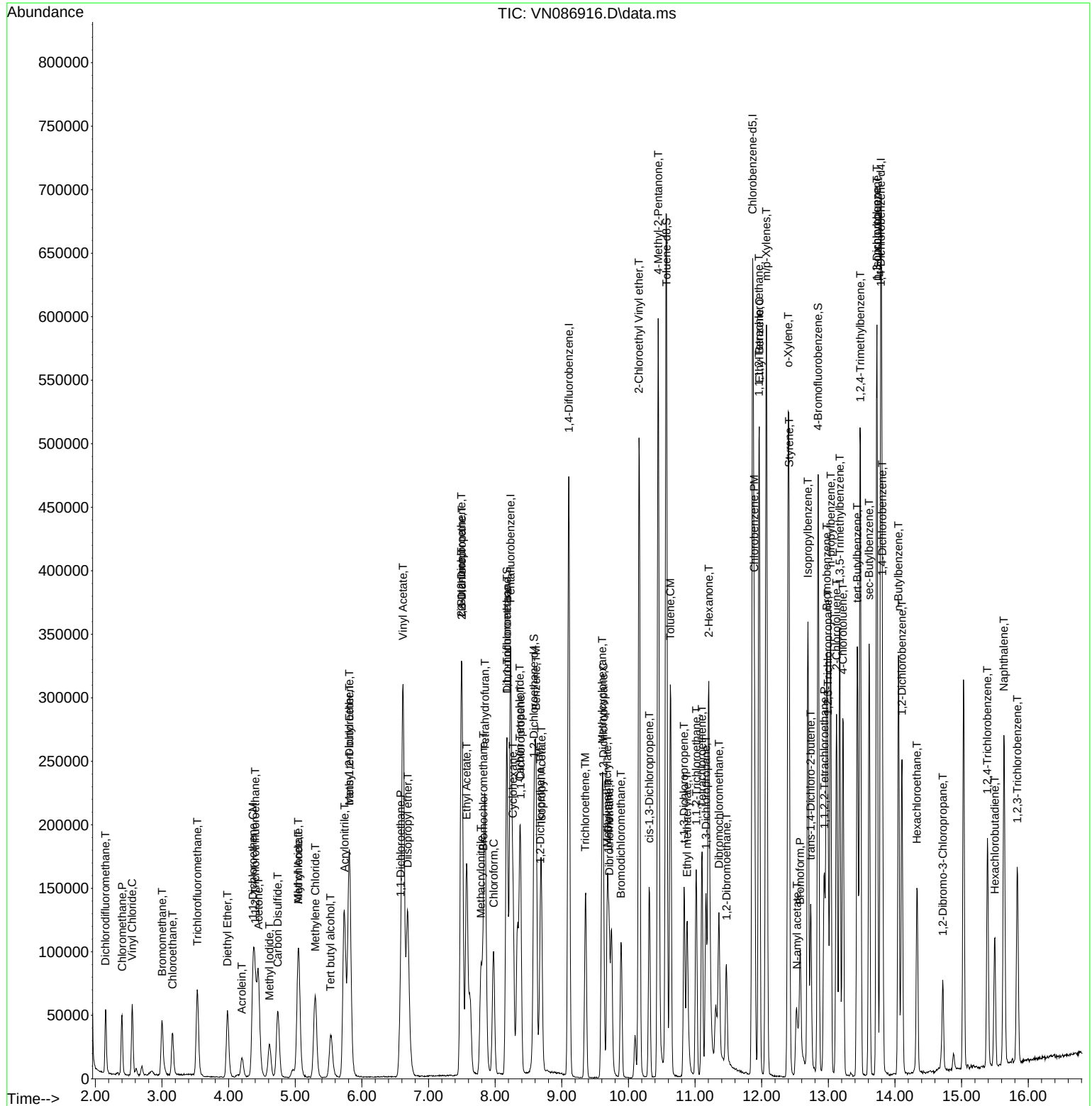
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086916.D
Acq On : 10 Jun 2025 10:30
Operator : JC\MD
Sample : VN0610WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Manual Integrations

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	VN0611WBS02	SDG No.:	Q2202
Lab Sample ID:	VN0611WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		0.22	1.00	ug/L
74-87-3	Chloromethane	16.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	1.00	ug/L
74-83-9	Bromomethane	16.6		1.40	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
67-64-1	Acetone	99.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.0		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	5.00	ug/L
78-93-3	2-Butanone	90.4		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.9		0.22	1.00	ug/L
67-66-3	Chloroform	19.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.16	1.00	ug/L
71-43-2	Benzene	19.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.9		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.0		0.68	5.00	ug/L
108-88-3	Toluene	19.5		0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05			Date Received:	
Client Sample ID:	VN0611WBS02			SDG No.:	Q2202
Lab Sample ID:	VN0611WBS02			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	89.2		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.6		0.24	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	1.00	ug/L
100-42-5	Styrene	20.1		0.15	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.0		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.4		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	48.7		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	8.235			
540-36-3	1,4-Difluorobenzene	371000	9.106			
3114-55-4	Chlorobenzene-d5	321000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.788			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	
Client Sample ID:	VN0611WBS02		SDG No.:	Q2202
Lab Sample ID:	VN0611WBS02		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086944.D
 Acq On : 11 Jun 2025 13:27
 Operator : JC\MD
 Sample : VN0611WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/12/2025
 Supervised By : Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	206799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	130342	47.075	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.160%		
35) Dibromofluoromethane	8.177	113	112198	51.096	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.200%		
50) Toluene-d8	10.571	98	423380	48.706	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.420%		
62) 4-Bromofluorobenzene	12.847	95	161321	49.951	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.153	85	40672	19.725	ug/l	100
3) Chloromethane	2.401	50	42812	16.079	ug/l	97
4) Vinyl Chloride	2.553	62	51780	18.852	ug/l	95
5) Bromomethane	3.000	94	25577	16.641	ug/l	90
6) Chloroethane	3.153	64	34500	19.446	ug/l	99
7) Trichlorofluoromethane	3.530	101	68752	19.159	ug/l	99
8) Diethyl Ether	3.983	74	30914	19.772	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.400	101	44117	19.568	ug/l	99
10) Methyl Iodide	4.612	142	36924	12.634	ug/l	100
11) Tert butyl alcohol	5.541	59	69743	92.831	ug/l	99
12) 1,1-Dichloroethene	4.365	96	44269	19.233	ug/l	97
13) Acrolein	4.206	56	22290	93.730	ug/l	98
14) Allyl chloride	5.047	41	68027	17.821	ug/l	97
15) Acrylonitrile	5.741	53	166971	95.084	ug/l	100
16) Acetone	4.447	43	145322	98.972	ug/l	98
17) Carbon Disulfide	4.742	76	113132	17.769	ug/l	100
18) Methyl Acetate	5.047	43	81357	19.013	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	163338	19.599	ug/l	98
20) Methylene Chloride	5.294	84	52196	18.988	ug/l	96
21) trans-1,2-Dichloroethene	5.812	96	47284	18.464	ug/l	95
22) Diisopropyl ether	6.688	45	155508	19.326	ug/l	97
23) Vinyl Acetate	6.618	43	653278	96.092	ug/l	98
24) 1,1-Dichloroethane	6.588	63	89930	19.421	ug/l	100
25) 2-Butanone	7.494	43	215760	90.401	ug/l	96
26) 2,2-Dichloropropane	7.500	77	78031	21.663	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	59578	19.453	ug/l	99
28) Bromochloromethane	7.824	49	45329	19.909	ug/l	95
29) Tetrahydrofuran	7.853	42	143866	92.532	ug/l	97
30) Chloroform	7.977	83	90272	19.521	ug/l	98
31) Cyclohexane	8.265	56	79050	17.603	ug/l	97
32) 1,1,1-Trichloroethane	8.182	97	74861	19.033	ug/l	97
36) 1,1-Dichloropropene	8.377	75	63577	19.431	ug/l	99
37) Ethyl Acetate	7.571	43	80415	19.306	ug/l	99
38) Carbon Tetrachloride	8.371	117	61747	19.222	ug/l	97
39) Methylcyclohexane	9.606	83	75971	16.947	ug/l	98
40) Benzene	8.612	78	206255	19.277	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086944.D
 Acq On : 11 Jun 2025 13:27
 Operator : JC\MD
 Sample : VN0611WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS02

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/12/2025
 Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	42617	18.218	ug/l	93
42) 1,2-Dichloroethane	8.677	62	63379	19.530	ug/l	98
43) Isopropyl Acetate	8.694	43	126914	18.984	ug/l	98
44) Trichloroethene	9.359	130	50593	19.942	ug/l	99
45) 1,2-Dichloropropane	9.624	63	51091	19.628	ug/l	95
46) Dibromomethane	9.712	93	34741	20.093	ug/l	99
47) Bromodichloromethane	9.894	83	69845	19.634	ug/l	98
48) Methyl methacrylate	9.682	41	57757	18.771	ug/l	99
49) 1,4-Dioxane	9.706	88	22914	409.347	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	394396	97.997	ug/l	99
52) Toluene	10.629	92	127563	19.509	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	79224	19.917	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	85586	20.109	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	51421	20.438	ug/l	94
56) Ethyl methacrylate	10.882	69	80942	20.198	ug/l	94
57) 1,3-Dichloropropane	11.165	76	85602	19.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	243584	101.910	ug/l	99
59) 2-Hexanone	11.206	43	231264	89.210	ug/l	95
60) Dibromochloromethane	11.359	129	53655	20.468	ug/l	99
61) 1,2-Dibromoethane	11.471	107	50832	19.711	ug/l	99
64) Tetrachloroethene	11.106	164	38926	19.150	ug/l	98
65) Chlorobenzene	11.894	112	141721	20.006	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	46404	20.378	ug/l	99
67) Ethyl Benzene	11.965	91	239733	19.647	ug/l	100
68) m/p-Xylenes	12.070	106	185026	39.613	ug/l	99
69) o-Xylene	12.400	106	90240	20.172	ug/l	99
70) Styrene	12.412	104	154149	20.137	ug/l	99
71) Bromoform	12.582	173	35350	20.952	ug/l #	96
73) Isopropylbenzene	12.694	105	221545	19.320	ug/l	99
74) N-amyl acetate	12.529	43	63289	15.794	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	81476	20.973	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	71582m	19.132	ug/l	
77) Bromobenzene	12.982	156	55176	20.981	ug/l	98
78) n-propylbenzene	13.035	91	267384	19.187	ug/l	100
79) 2-Chlorotoluene	13.123	91	164813	19.721	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	181773	19.200	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	30121	18.532	ug/l #	82
82) 4-Chlorotoluene	13.217	91	167991	19.866	ug/l	100
83) tert-Butylbenzene	13.435	119	161593	18.646	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	182431	19.216	ug/l	98
85) sec-Butylbenzene	13.617	105	228907	18.189	ug/l	100
86) p-Isopropyltoluene	13.729	119	192991	18.551	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	104883	20.271	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	107750	20.426	ug/l	99
89) n-Butylbenzene	14.053	91	177482	17.613	ug/l	100
90) Hexachloroethane	14.329	117	33456	18.972	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	99394	19.995	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17796	19.155	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	58509	18.433	ug/l	98
94) Hexachlorobutadiene	15.500	225	19592	16.567	ug/l	97
95) Naphthalene	15.635	128	232760	19.700	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	56144	17.802	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086944.D
Acq On : 11 Jun 2025 13:27
Operator : JC\MD
Sample : VN0611WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

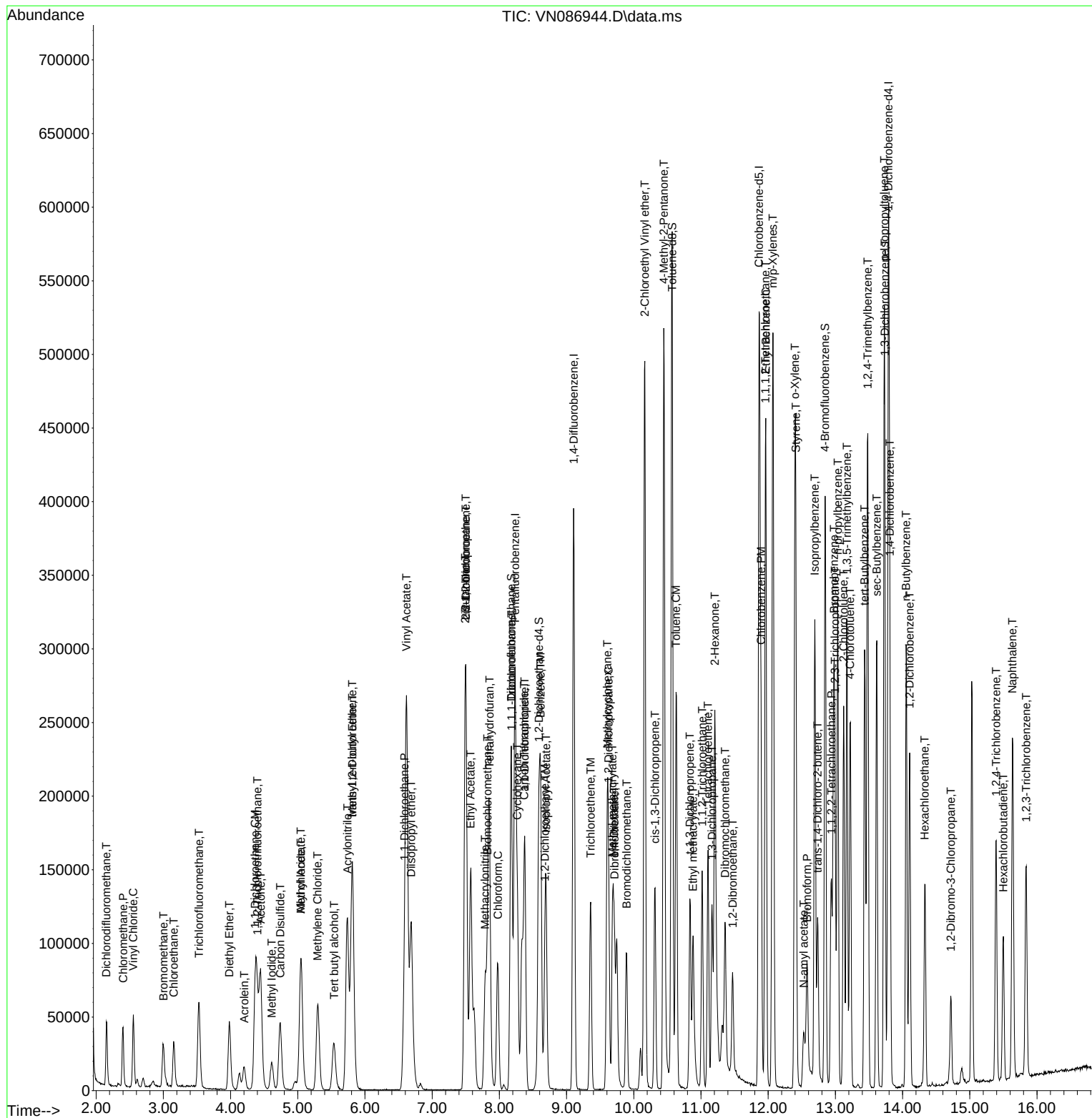
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086944.D
Acq On : 11 Jun 2025 13:27
Operator : JC\MD
Sample : VN0611WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	VN0610WBSD01	SDG No.:	Q2202
Lab Sample ID:	VN0610WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086917.D	1		06/10/25 11:04	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.0		0.22	1.00	ug/L
74-87-3	Chloromethane	16.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.26	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.9		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
67-64-1	Acetone	84.2		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.6		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.9		1.50	5.00	ug/L
78-93-3	2-Butanone	90.8		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.19	1.00	ug/L
74-97-5	Bromochloromethane	17.7		0.22	1.00	ug/L
67-66-3	Chloroform	18.7		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.4		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.3		0.16	1.00	ug/L
71-43-2	Benzene	19.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.3		0.68	5.00	ug/L
108-88-3	Toluene	19.4		0.14	1.00	ug/L

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.		Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05		Date Received:	
Client Sample ID:	VN0610WBSD01		SDG No.:	Q2202
Lab Sample ID:	VN0610WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086917.D	1		06/10/25 11:04	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	94.9		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.9		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.3		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.0		0.24	2.00	ug/L
95-47-6	o-Xylene	19.7		0.12	1.00	ug/L
100-42-5	Styrene	19.8		0.15	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.9		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.2		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.1		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	231000	8.23			
540-36-3	1,4-Difluorobenzene	414000	9.106			
3114-55-4	Chlorobenzene-d5	362000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	177000	13.788			

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Ed Non MGP – Atlantic Ave 453957.600024.05	Date Received:	
Client Sample ID:	VN0610WBSD01	SDG No.:	Q2202
Lab Sample ID:	VN0610WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086917.D	1		06/10/25 11:04	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086917.D
 Acq On : 10 Jun 2025 11:04
 Operator : JC\MD
 Sample : VN0610WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:49:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	231054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	413772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	176612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	145233	46.947	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.900%		
35) Dibromofluoromethane	8.177	113	121998	49.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.500%		
50) Toluene-d8	10.565	98	466490	48.056	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.120%		
62) 4-Bromofluorobenzene	12.847	95	175162	48.568	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.140%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.154	85	43846	19.032	ug/l	100
3) Chloromethane	2.401	50	47921	16.109	ug/l	99
4) Vinyl Chloride	2.554	62	55854	18.201	ug/l	97
5) Bromomethane	3.001	94	33013	19.224	ug/l	99
6) Chloroethane	3.159	64	37499	18.918	ug/l	98
7) Trichlorofluoromethane	3.530	101	74826	18.663	ug/l	96
8) Diethyl Ether	3.983	74	34988	20.029	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.406	101	46258	18.364	ug/l	99
10) Methyl Iodide	4.612	142	51389	15.737	ug/l	97
11) Tert butyl alcohol	5.536	59	73802	87.922	ug/l	100
12) 1,1-Dichloroethene	4.365	96	48271	18.770	ug/l	93
13) Acrolein	4.200	56	22666	85.306	ug/l	98
14) Allyl chloride	5.042	41	73405m	17.211	ug/l	
15) Acrylonitrile	5.736	53	186199	94.903	ug/l	100
16) Acetone	4.448	43	138199	84.240	ug/l	98
17) Carbon Disulfide	4.742	76	123418	17.350	ug/l	99
18) Methyl Acetate	5.047	43	88921	18.600	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	183666	19.725	ug/l	100
20) Methylene Chloride	5.300	84	57241	18.637	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	52483	18.343	ug/l	95
22) Diisopropyl ether	6.689	45	170908	19.010	ug/l	97
23) Vinyl Acetate	6.618	43	736239	96.927	ug/l	99
24) 1,1-Dichloroethane	6.589	63	97772	18.898	ug/l	98
25) 2-Butanone	7.494	43	242113	90.793	ug/l	97
26) 2,2-Dichloropropane	7.500	77	81738	20.310	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	65817	19.234	ug/l	98
28) Bromochloromethane	7.824	49	45149	17.749	ug/l	93
29) Tetrahydrofuran	7.847	42	160602	92.453	ug/l	97
30) Chloroform	7.977	83	96850	18.745	ug/l	98
31) Cyclohexane	8.265	56	84710	16.883	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	80954	18.422	ug/l	92
36) 1,1-Dichloropropene	8.383	75	68715	18.806	ug/l	99
37) Ethyl Acetate	7.571	43	88311	18.986	ug/l	99
38) Carbon Tetrachloride	8.371	117	68754	19.166	ug/l	96
39) Methylcyclohexane	9.606	83	81502	16.281	ug/l	95
40) Benzene	8.612	78	227384	19.031	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086917.D
 Acq On : 10 Jun 2025 11:04
 Operator : JC\MD
 Sample : VN0610WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0610WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2025
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:49:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	48259	18.474	ug/l	94
42) 1,2-Dichloroethane	8.677	62	72029	19.875	ug/l	100
43) Isopropyl Acetate	8.694	43	142783	19.126	ug/l	98
44) Trichloroethene	9.359	130	55729	19.670	ug/l	99
45) 1,2-Dichloropropane	9.624	63	56820	19.547	ug/l	99
46) Dibromomethane	9.712	93	39978	20.706	ug/l	98
47) Bromodichloromethane	9.888	83	79316	19.966	ug/l	95
48) Methyl methacrylate	9.682	41	64349	18.727	ug/l	97
49) 1,4-Dioxane	9.700	88	23335	373.296	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	441787	98.299	ug/l	99
52) Toluene	10.635	92	141711	19.407	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	91686	20.640	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	96403	20.283	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	56698	20.180	ug/l	98
56) Ethyl methacrylate	10.882	69	92581	20.688	ug/l	95
57) 1,3-Dichloropropane	11.165	76	97585	20.022	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	250113	93.704	ug/l	98
59) 2-Hexanone	11.206	43	274607	94.857	ug/l	97
60) Dibromochloromethane	11.359	129	61225	20.915	ug/l	99
61) 1,2-Dibromoethane	11.471	107	58392	20.276	ug/l	98
64) Tetrachloroethene	11.106	164	42169	18.394	ug/l	98
65) Chlorobenzene	11.888	112	158329	19.817	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	52090	20.282	ug/l	99
67) Ethyl Benzene	11.965	91	258528	18.785	ug/l	99
68) m/p-Xylenes	12.071	106	200337	38.028	ug/l	99
69) o-Xylene	12.400	106	99445	19.710	ug/l	98
70) Styrene	12.412	104	170919	19.797	ug/l	100
71) Bromoform	12.576	173	39872	20.953	ug/l #	96
73) Isopropylbenzene	12.694	105	239786	18.637	ug/l	100
74) N-amyl acetate	12.529	43	94962	21.121	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.935	83	91175	20.917	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	76089m	18.125	ug/l	
77) Bromobenzene	12.982	156	60355	20.455	ug/l	100
78) n-propylbenzene	13.035	91	284206	18.176	ug/l	100
79) 2-Chlorotoluene	13.123	91	175915	18.760	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	195958	18.447	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	35153	19.275	ug/l	94
82) 4-Chlorotoluene	13.218	91	180752	19.051	ug/l	98
83) tert-Butylbenzene	13.435	119	177514	18.256	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	200229	18.797	ug/l	100
85) sec-Butylbenzene	13.618	105	242849	17.198	ug/l	100
86) p-Isopropyltoluene	13.729	119	205414	17.598	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	113354	19.526	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	114393	19.327	ug/l	97
89) n-Butylbenzene	14.053	91	187901	16.619	ug/l	99
90) Hexachloroethane	14.329	117	34646	17.510	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	110330	19.781	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	20166	19.345	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	61228	17.191	ug/l	99
94) Hexachlorobutadiene	15.500	225	18980	14.304	ug/l	98
95) Naphthalene	15.635	128	252396	19.039	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	58621	16.566	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086917.D
Acq On : 10 Jun 2025 11:04
Operator : JC\MD
Sample : VN0610WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:49:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086917.D
 Acq On : 10 Jun 2025 11:04
 Operator : JC\MD
 Sample : VN0610WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

Client Sample Id :

VN0610WBSD01

Manual Integrations

APPROVED

Reviewed By : John Carlone 06/11/2025

Supervised By : Mahesh Dadoda 06/11/2025

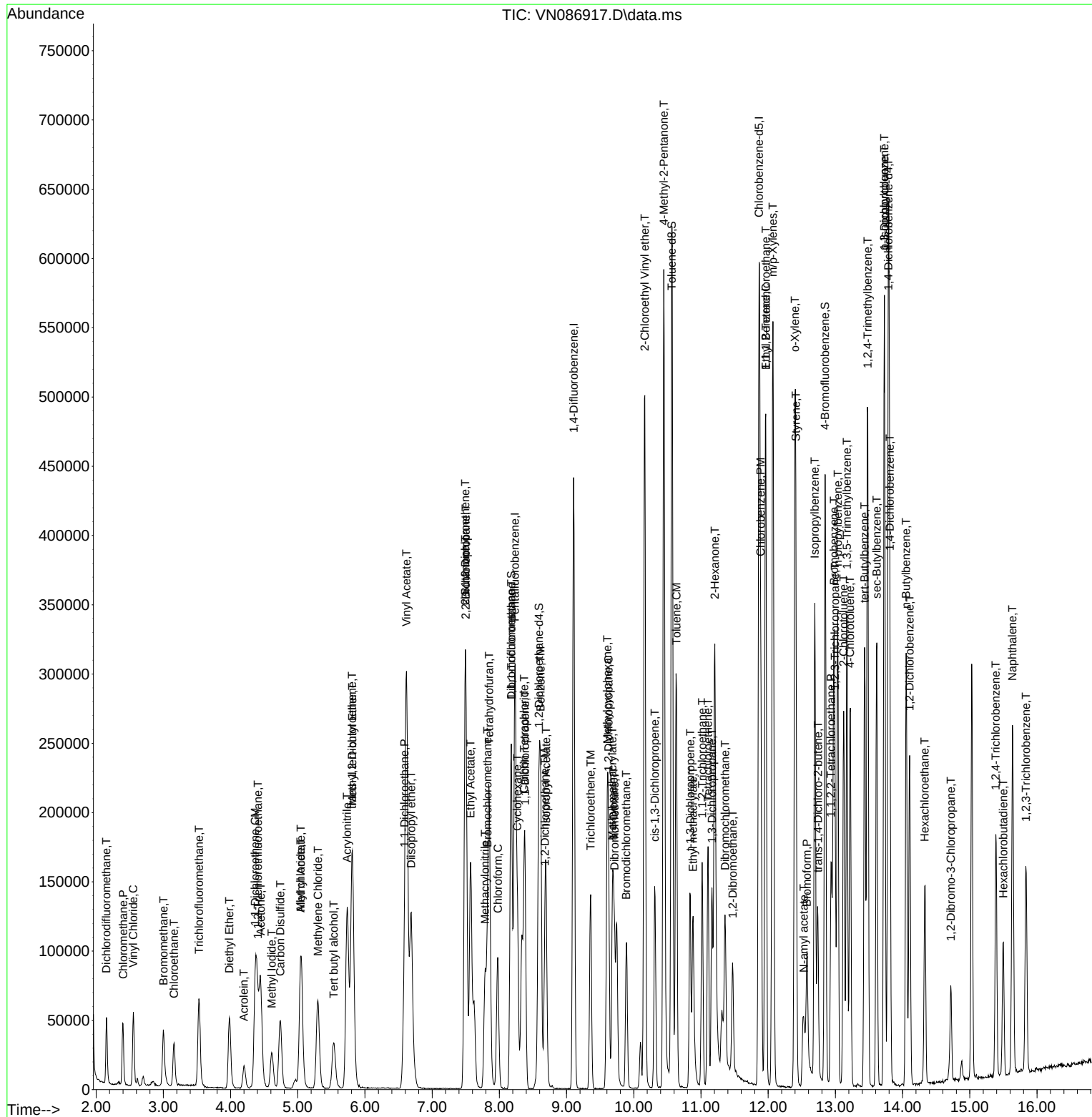
Quant Time: Jun 11 01:49:51 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M

Quant Title : SW846 8260

QLast Update : Sat Jun 07 02:12:50 2025

Response via : Initial Calibration



Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

vn060625

Instrument

MSVOA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	VN061025	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086913.D	1,2,3-Trichloropropane	JOHN	6/11/2025 9:51:44 AM	MMDadoda	6/11/2025 11:12:24 AM	Peak Integrated by Software
VSTDCCC050	VN086913.D	trans-1,4-Dichloro-2-butene	JOHN	6/11/2025 9:51:44 AM	MMDadoda	6/11/2025 11:12:24 AM	Peak Integrated by Software
VN0610WBS01	VN086916.D	1,2,3-Trichloropropane	JOHN	6/11/2025 9:51:48 AM	MMDadoda	6/11/2025 11:12:38 AM	Peak Integrated by Software
VN0610WBS01	VN086916.D	N-amyl acetate	JOHN	6/11/2025 9:51:48 AM	MMDadoda	6/11/2025 11:12:38 AM	Peak Integrated by Software
VN0610WBSD01	VN086917.D	1,2,3-Trichloropropane	JOHN	6/11/2025 9:51:52 AM	MMDadoda	6/11/2025 11:12:40 AM	Peak Integrated by Software
VN0610WBSD01	VN086917.D	Allyl chloride	JOHN	6/11/2025 9:51:52 AM	MMDadoda	6/11/2025 11:12:40 AM	Peak Integrated by Software
Q2202-03	VN086936.D	Carbon Disulfide	JOHN	6/11/2025 9:52:21 AM	MMDadoda	6/11/2025 11:12:49 AM	Peak Integrated by Software
Q2202-03	VN086936.D	n-Butylbenzene	JOHN	6/11/2025 9:52:21 AM	MMDadoda	6/11/2025 11:12:49 AM	Peak Integrated by Software
Q2202-03	VN086936.D	p-Isopropyltoluene	JOHN	6/11/2025 9:52:21 AM	MMDadoda	6/11/2025 11:12:49 AM	Peak Integrated by Software
Q2202-03	VN086936.D	sec-Butylbenzene	JOHN	6/11/2025 9:52:21 AM	MMDadoda	6/11/2025 11:12:49 AM	Peak Integrated by Software
VSTDCCC050	VN086938.D	1,2,3-Trichloropropane	JOHN	6/11/2025 9:52:32 AM	MMDadoda	6/11/2025 11:12:50 AM	Peak Integrated by Software
VSTDCCC050	VN086938.D	trans-1,4-Dichloro-2-butene	JOHN	6/11/2025 9:52:32 AM	MMDadoda	6/11/2025 11:12:50 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VN061025

Instrument

MSVOA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

vn061125

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086940.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:47:09 AM	Sam	6/12/2025 3:54:50 PM	Peak Integrated by Software
VN0611WBS02	VN086944.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:47:21 AM	Sam	6/12/2025 3:54:50 PM	Peak Integrated by Software
Q2202-03DL	VN086947.D	Carbon Disulfide	JOHN	6/12/2025 9:47:33 AM	Sam	6/12/2025 3:54:54 PM	Peak Integrated by Software
Q2202-03DL	VN086947.D	n-Butylbenzene	JOHN	6/12/2025 9:47:33 AM	Sam	6/12/2025 3:54:54 PM	Peak Integrated by Software
Q2202-03DL	VN086947.D	p-Isopropyltoluene	JOHN	6/12/2025 9:47:33 AM	Sam	6/12/2025 3:54:54 PM	Peak Integrated by Software
VSTDCCC050	VN086965.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:53:57 AM	Sam	6/12/2025 3:54:56 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134155		
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC	VP134156		
Internal Standard/PEM			
ICV/I.BLK	VP134248		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDIC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDIC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDIC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDIC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDIC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDIC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134155		
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC	VP134156		
Internal Standard/PEM			
ICV/I.BLK	VP134248		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN061025

Review By	John Carlone	Review On	6/11/2025 9:59:27 AM
Supervise By	Maresh Dadoda	Supervise On	6/11/2025 11:14:28 AM
SubDirectory	VN061025	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134203		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134204,VP134205		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086912.D	10 Jun 2025 08:39	JC\MD	Ok
2	VSTDCCC050	VN086913.D	10 Jun 2025 09:13	JC\MD	Ok,M
3	VN0610MBL01	VN086914.D	10 Jun 2025 09:47	JC\MD	Ok
4	VN0610WBL01	VN086915.D	10 Jun 2025 10:09	JC\MD	Ok
5	VN0610WBS01	VN086916.D	10 Jun 2025 10:30	JC\MD	Ok,M
6	VN0610WBSD01	VN086917.D	10 Jun 2025 11:04	JC\MD	Ok,M
7	IBLK	VN086918.D	10 Jun 2025 11:25	JC\MD	Ok
8	Q2250-05	VN086919.D	10 Jun 2025 11:47	JC\MD	Ok
9	Q2250-06	VN086920.D	10 Jun 2025 12:08	JC\MD	Ok
10	Q2250-01	VN086921.D	10 Jun 2025 12:30	JC\MD	Dilution
11	Q2250-02MS	VN086922.D	10 Jun 2025 12:51	JC\MD	Ok,M
12	Q2250-03MSD	VN086923.D	10 Jun 2025 13:12	JC\MD	Ok,M
13	IBLK	VN086924.D	10 Jun 2025 13:34	JC\MD	Ok
14	Q2251-01	VN086925.D	10 Jun 2025 13:55	JC\MD	Not Ok
15	Q2251-06	VN086926.D	10 Jun 2025 14:17	JC\MD	Not Ok
16	Q2251-05	VN086927.D	10 Jun 2025 14:38	JC\MD	ReRun
17	Q2251-02	VN086928.D	10 Jun 2025 15:00	JC\MD	Ok
18	Q2251-03	VN086929.D	10 Jun 2025 15:22	JC\MD	Ok
19	IBLK	VN086930.D	10 Jun 2025 15:43	JC\MD	Ok
20	IBLK	VN086931.D	10 Jun 2025 16:05	JC\MD	Ok
21	Q2251-01	VN086932.D	10 Jun 2025 16:26	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN061025

Review By	John Carlone	Review On	6/11/2025 9:59:27 AM
Supervise By	Maresh Dadoda	Supervise On	6/11/2025 11:14:28 AM
SubDirectory	VN061025	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134203		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134204,VP134205		

22	Q2251-05	VN086933.D	10 Jun 2025 16:48	JC\MD	Ok
23	Q2202-01	VN086934.D	10 Jun 2025 17:09	JC\MD	Ok
24	Q2202-02	VN086935.D	10 Jun 2025 17:31	JC\MD	Ok
25	Q2202-03	VN086936.D	10 Jun 2025 17:52	JC\MD	Dilution
26	Q2279-01	VN086937.D	10 Jun 2025 18:14	JC\MD	Ok
27	VSTDCCC050	VN086938.D	10 Jun 2025 18:57	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM
SubDirectory	VN061125	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134284		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134285,VP134286		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086939.D	11 Jun 2025 10:22	JC\MD	Ok
2	VSTDCCC050	VN086940.D	11 Jun 2025 11:32	JC\MD	Ok,M
3	VN0611MBL01	VN086941.D	11 Jun 2025 12:06	JC\MD	Ok
4	VN0611WBL01	VN086942.D	11 Jun 2025 12:28	JC\MD	Ok
5	VN0611WBS01	VN086943.D	11 Jun 2025 12:50	JC\MD	Not Ok
6	VN0611WBS02	VN086944.D	11 Jun 2025 13:27	JC\MD	Ok,M
7	VN0611WBSD02	VN086945.D	11 Jun 2025 14:01	JC\MD	Ok,M
8	Q2251-06	VN086946.D	11 Jun 2025 14:22	JC\MD	Ok
9	Q2202-03DL	VN086947.D	11 Jun 2025 14:44	JC\MD	Ok,M
10	Q2250-01DL	VN086948.D	11 Jun 2025 15:06	JC\MD	Ok
11	Q2202-06	VN086949.D	11 Jun 2025 15:28	JC\MD	Ok
12	Q2189-01	VN086950.D	11 Jun 2025 15:50	JC\MD	Ok
13	Q2202-05	VN086951.D	11 Jun 2025 16:12	JC\MD	Ok
14	Q2202-04	VN086952.D	11 Jun 2025 16:35	JC\MD	Ok
15	Q2231-01	VN086953.D	11 Jun 2025 16:57	JC\MD	Ok
16	Q2231-02	VN086954.D	11 Jun 2025 17:19	JC\MD	Ok,M
17	Q2231-03	VN086955.D	11 Jun 2025 17:41	JC\MD	Ok
18	Q2231-04	VN086956.D	11 Jun 2025 18:04	JC\MD	Ok
19	Q2231-05	VN086957.D	11 Jun 2025 18:26	JC\MD	Ok
20	Q2231-06	VN086958.D	11 Jun 2025 18:48	JC\MD	Ok
21	Q2210-01	VN086959.D	11 Jun 2025 19:10	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM
SubDirectory	VN061125	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134284		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134285,VP134286		

22	Q2209-01	VN086960.D	11 Jun 2025 19:33	JC\MD	Ok
23	IBLK	VN086961.D	11 Jun 2025 19:55	JC\MD	Ok
24	IBLK	VN086962.D	11 Jun 2025 20:17	JC\MD	Ok
25	Q2263-01	VN086963.D	11 Jun 2025 20:39	JC\MD	Ok
26	Q2263-02	VN086964.D	11 Jun 2025 21:01	JC\MD	Ok
27	VSTDCCC050	VN086965.D	11 Jun 2025 21:23	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134155 VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134156 VP134248

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDIC001	VSTDIC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDIC005	VSTDIC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDIC020	VSTDIC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDIC050	VSTDIC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDIC100	VSTDIC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDIC150	VSTDIC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134155 VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC Internal Standard/PEM	VP134156		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134248		

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN061025

Review By	John Carlone	Review On	6/11/2025 9:59:27 AM
Supervise By	Maresh Dadoda	Supervise On	6/11/2025 11:14:28 AM
SubDirectory	VN061025	HP Acquire Method	HP Processing Method 82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134203
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134204,VP134205

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086912.D	10 Jun 2025 08:39		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086913.D	10 Jun 2025 09:13	pH#Lot#V12668	JC\MD	Ok,M
3	VN0610MBL01	VN0610MBL01	VN086914.D	10 Jun 2025 09:47		JC\MD	Ok
4	VN0610WBL01	VN0610WBL01	VN086915.D	10 Jun 2025 10:09		JC\MD	Ok
5	VN0610WBS01	VN0610WBS01	VN086916.D	10 Jun 2025 10:30		JC\MD	Ok,M
6	VN0610WBSD01	VN0610WBSD01	VN086917.D	10 Jun 2025 11:04		JC\MD	Ok,M
7	IBLK	IBLK	VN086918.D	10 Jun 2025 11:25		JC\MD	Ok
8	Q2250-05	EB02-060525	VN086919.D	10 Jun 2025 11:47	vial A pH<2 EB	JC\MD	Ok
9	Q2250-06	TB-01-060525	VN086920.D	10 Jun 2025 12:08	vial A pH<2 TB	JC\MD	Ok
10	Q2250-01	MW-11A-13.5-060525	VN086921.D	10 Jun 2025 12:30	vial A pH<2 Need 20X	JC\MD	Dilution
11	Q2250-02MS	MW-11A-13.5-060525M	VN086922.D	10 Jun 2025 12:51	Hit not match with original;Please provide non-con.	JC\MD	Ok,M
12	Q2250-03MSD	MW-11A-13.5-060525M	VN086923.D	10 Jun 2025 13:12	Hit not match with original;Please provide non-con.	JC\MD	Ok,M
13	IBLK	IBLK	VN086924.D	10 Jun 2025 13:34		JC\MD	Ok
14	Q2251-01	BP-VPB-182-TB-20250	VN086925.D	10 Jun 2025 13:55	Confirm concentration	JC\MD	Not Ok
15	Q2251-06	VPB182-HYD-2025060	VN086926.D	10 Jun 2025 14:17	Confirm concentration	JC\MD	Not Ok
16	Q2251-05	BP-VPB-182-EB-20250	VN086927.D	10 Jun 2025 14:38	vial A pH<2 EB;Hit of comp.#16,25	JC\MD	ReRun
17	Q2251-02	BP-VPB-182-GW-740-7	VN086928.D	10 Jun 2025 15:00	vial A pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN061025

Review By	John Carlone	Review On	6/11/2025 9:59:27 AM
Supervise By	Maresh Dadoda	Supervise On	6/11/2025 11:14:28 AM
SubDirectory	VN061025	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134203		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134204,VP134205		

18	Q2251-03	BP-VPB-182-GW-760-7	VN086929.D	10 Jun 2025 15:22	vial A pH<2	JC\MD	Ok
19	IBLK	IBLK	VN086930.D	10 Jun 2025 15:43		JC\MD	Ok
20	IBLK	IBLK	VN086931.D	10 Jun 2025 16:05		JC\MD	Ok
21	Q2251-01	BP-VPB-182-TB-20250	VN086932.D	10 Jun 2025 16:26	vial A pH<2 TB	JC\MD	Ok
22	Q2251-05	BP-VPB-182-EB-20250	VN086933.D	10 Jun 2025 16:48	vial B pH<2 EB	JC\MD	Ok
23	Q2202-01	MW-9-20250603	VN086934.D	10 Jun 2025 17:09	vial A pH<2	JC\MD	Ok
24	Q2202-02	MW-11-20250603	VN086935.D	10 Jun 2025 17:31	vial A pH<2	JC\MD	Ok
25	Q2202-03	MW-12-20250603	VN086936.D	10 Jun 2025 17:52	vial A pH<2 Need 5X	JC\MD	Dilution
26	Q2279-01	301-469-5TH-AVE	VN086937.D	10 Jun 2025 18:14	vial A pH<2	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN086938.D	10 Jun 2025 18:57		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM
SubDirectory	VN061125	HP Acquire Method	HP Processing Method 82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134284
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134285,VP134286

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086939.D	11 Jun 2025 10:22		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086940.D	11 Jun 2025 11:32	pH#Lot#V12668	JC\MD	Ok,M
3	VN0611MBL01	VN0611MBL01	VN086941.D	11 Jun 2025 12:06		JC\MD	Ok
4	VN0611WBL01	VN0611WBL01	VN086942.D	11 Jun 2025 12:28		JC\MD	Ok
5	VN0611WBS01	VN0611WBS01	VN086943.D	11 Jun 2025 12:50	Recovery fail	JC\MD	Not Ok
6	VN0611WBS02	VN0611WBS02	VN086944.D	11 Jun 2025 13:27		JC\MD	Ok,M
7	VN0611WBSD02	VN0611WBSD02	VN086945.D	11 Jun 2025 14:01		JC\MD	Ok,M
8	Q2251-06	VPB182-HYD-2025060	VN086946.D	11 Jun 2025 14:22	vial A pH<2	JC\MD	Ok
9	Q2202-03DL	MW-12-20250603DL	VN086947.D	11 Jun 2025 14:44	vial B pH<2	JC\MD	Ok,M
10	Q2250-01DL	MW-11A-13.5-060525D	VN086948.D	11 Jun 2025 15:06	vial B pH<2	JC\MD	Ok
11	Q2202-06	TB-20250603	VN086949.D	11 Jun 2025 15:28	vial A pH<2 TB	JC\MD	Ok
12	Q2189-01	MW-7-20250602	VN086950.D	11 Jun 2025 15:50	vial B pH<2	JC\MD	Ok
13	Q2202-05	MW-1A-20250603	VN086951.D	11 Jun 2025 16:12	vial A pH<2	JC\MD	Ok
14	Q2202-04	MW-130-20250603	VN086952.D	11 Jun 2025 16:35	vial A pH<2	JC\MD	Ok
15	Q2231-01	MW-10D-20250604	VN086953.D	11 Jun 2025 16:57	vial A pH<2	JC\MD	Ok
16	Q2231-02	MW-14-20250604	VN086954.D	11 Jun 2025 17:19	vial A pH<2	JC\MD	Ok,M
17	Q2231-03	MW-15-20250604	VN086955.D	11 Jun 2025 17:41	vial A pH<2	JC\MD	Ok
18	Q2231-04	MW-16D-20250604	VN086956.D	11 Jun 2025 18:04	vial A pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM
SubDirectory	VN061125	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134284		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134285,VP134286		

19	Q2231-05	MW-17-20250604	VN086957.D	11 Jun 2025 18:26	vial A pH<2	JC\MD	Ok
20	Q2231-06	TB-20250604	VN086958.D	11 Jun 2025 18:48	vial A pH<2 TB	JC\MD	Ok
21	Q2210-01	TW1	VN086959.D	11 Jun 2025 19:10	vial A pH<2	JC\MD	Ok
22	Q2209-01	P01W	VN086960.D	11 Jun 2025 19:33	vial A pH<2	JC\MD	Ok
23	IBLK	IBLK	VN086961.D	11 Jun 2025 19:55		JC\MD	Ok
24	IBLK	IBLK	VN086962.D	11 Jun 2025 20:17		JC\MD	Ok
25	Q2263-01	RW9-MW01D3-202506	VN086963.D	11 Jun 2025 20:39	vial A pH<2	JC\MD	Ok
26	Q2263-02	RW9-MW01D3-202506	VN086964.D	11 Jun 2025 21:01	vial A pH<2	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN086965.D	11 Jun 2025 21:23		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: NA

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed Atlantic Ave
PROJECT NO.: 453957-01000 LOCATION: Brooklyn, NY
PROJECT MANAGER: Stephen Liberatore
e-mail: Stephen.Liberatore@parsons.com
PHONE: 315-418-8767 FAX: NA

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#:
ADDRESS: 301 Plainfield Rd
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore PHONE: 315-418-8767

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS*
HARDCOPY (DATA PACKAGE): ↓ DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. VOCs+TICS
2. SVOCs+TICS
3. Sulfate
4. TDS
5.
6.
7.
8.
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		A	E	E	E						← Specify Preservatives A-HCl B-HN03 C-H2SO4	D-NaOH E-ICE F-OTHER
								1	2	3	4	5	6	7	8	9		
1.	MW-9-20250603	W		X	6/3/25	1400	4	X		X	X							
2.	MW-11-20250603	W		X	6/3/25	0940	2	X										
3.	MW-12-20250603	W		X	6/3/25	1245	3	X	X									
4.	MW-13D-20250603	W		X	6/3/25	1120	2	X										
5.	MW-1A-20250603	W		X	6/3/25	1526	4	X		X	X							
6.	TB-20250603	W		X	6/3/25	-	2	X										
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. <u>Ym M</u>	DATE/TIME: <u>1710</u> <u>6/3/25</u>	RECEIVED BY: <u>[Signature]</u> <u>6-3-25</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>41</u> °C Comments: <u>Please CC Kirsten.valentini@parsons.com</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u></u>	RECEIVED BY: <u></u>	
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>1902</u> <u>6-3-25</u>	RECEIVED BY: <u></u>	

Page of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

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 : Q2202	PARS02	Order Date : 6/4/2025 11:59:00 AM	Project Mgr :
Client Name : PARSONS Engineering of I		Project Name : Con Ed Non MGP – Atlanti	Report Type : ~~NYS ASPB~~ level 2
Client Contact : Stephen Liberatore		Receive DateTime : 6/3/2025 7:02:00 PM	EDD Type : Excel NY
Invoice Name : PARSONS Engineering of I		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
Q2202-01	MW-9-20250603	Water	06/03/2025	14:00					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2202-02	MW-11-20250603	Water	06/03/2025	09:40					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2202-03	MW-12-20250603	Water	06/03/2025	12:45					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2202-04	MW-130-20250603	Water	06/03/2025	11:20					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2202-05	MW-1A-20250603	Water	06/03/2025	15:20					
					VOCMS Group1		8260-Low	10 Bus. Days	
Q2202-06	TB-20250603	Water	06/03/2025	00:00					
					VOCMS Group1		8260-Low	10 Bus. Days	

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2202 PARS02	Order Date : 6/4/2025 11:59:00 AM	Project Mgr :
Client Name : PARSONS Engineering of I	Project Name : Con Ed Non MGP – Atlanti	Report Type : ~~NYS ASP-B~~ level 2
Client Contact : Stephen Liberatore	Receive DateTime : 6/3/2025 7:02:00 PM	EDD Type : Excel NY
Invoice Name : PARSONS Engineering of I	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
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Relinquished By :

Date / Time : 6/4/25 1225

Received By :

Date / Time :

Storage Area : VOA Refridgerator Room