

Cover Page

Order ID : Q1939

Project ID : Amsterdam

Client : G Environmental

Lab Sample Number

Q1939-01
Q1939-02
Q1939-03
Q1939-04
Q1939-05
Q1939-06

Client Sample Number

GB1
GB1B
GB2
GB2B
GB3
GB3B

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: 5/12/2025

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 #: Q1939

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: MAYUR DESAI

Date: 05/12/2025

LAB CHRONICLE

OrderID:	Q1939	OrderDate:	5/1/2025 2:51:00 PM
Client:	G Environmental	Project:	Amsterdam
Contact:	Gary Landis	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1939-01	GB1	SOIL	VOCMS Group1	8260D	05/01/25		05/02/25	05/01/25
Q1939-02	GB1B	SOIL	VOCMS Group1	8260D	05/01/25		05/02/25	05/01/25
Q1939-03	GB2	SOIL	VOCMS Group1	8260D	05/01/25		05/06/25	05/01/25
Q1939-03RE	GB2RE	SOIL	VOCMS Group1	8260D	05/01/25		05/09/25	05/01/25
Q1939-04	GB2B	SOIL	VOCMS Group1	8260D	05/01/25		05/02/25	05/01/25
Q1939-05	GB3	SOIL	VOCMS Group1	8260D	05/01/25		05/02/25	05/01/25
Q1939-06	GB3B	SOIL	VOCMS Group1	8260D	05/01/25		05/05/25	05/01/25

Hit Summary Sheet SW-846

SDG No.: Q1939

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	GB1							
Q1939-01	GB1	SOIL	Acetone	5.80	J	3.50	18.4	ug/Kg
Q1939-01	GB1	SOIL	m/p-Xylenes	1.40	J	0.91	7.40	ug/Kg
			Total Voc :			7.20		
Q1939-01	GB1	SOIL	1,2,4-Trimethylbenzene	* 0.85	J	0.47	3.70	ug/Kg
			Total Tics :			0.85		
			Total Concentration:			8.05		
Client ID:	GB1B							
Q1939-02	GB1B	SOIL	m/p-Xylenes	1.30	J	1.00	8.10	ug/Kg
			Total Voc :			1.30		
Q1939-02	GB1B	SOIL	1,2,4-Trimethylbenzene	* 1.00	J	0.52	4.10	ug/Kg
			Total Tics :			1.00		
			Total Concentration:			2.30		
Client ID:	GB2							
Q1939-03	GB2	SOIL	Methyl Acetate	360	J	140	450	ug/Kg
Q1939-03	GB2	SOIL	Methylcyclohexane	500		81.5	450	ug/Kg
Q1939-03	GB2	SOIL	m/p-Xylenes	120	J	110	900	ug/Kg
			Total Voc :			980		
Q1939-03	GB2	SOIL	Naphthalene, 1-methyl-	* 1200	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Naphthalene, decahydro-	* 1700	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Benzene, 1,2,4,5-tetramethyl-	* 1500	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclohexane, butyl-	* 1700	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclopentane, butyl-	* 1300	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Heptane, 4-ethyl-	* 1900	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclohexane, 1-ethyl-2-methyl-	* 2300	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Nonane, 3-methyl-	* 1800	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	1H-Indene, 2,3-dihydro-4,7-din	* 1700	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Heptane, 3-ethyl-2-methyl-	* 5000	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Undecane, 2,6-dimethyl-	* 2400	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Nonane, 2,6-dimethyl-	* 2000	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Dodecane, 2,6,11-trimethyl-	* 1400	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Benzene, 1,2-dichloro-3-methy	* 1500	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	Cyclohexane, (1-methylbutyl)-	* 1300	J	0	0	ug/Kg
Q1939-03	GB2	SOIL	2-Chlorotoluene	* 870	J	60.9	450	ug/Kg
Q1939-03	GB2	SOIL	4-Chlorotoluene	* 500	J	110	450	ug/Kg
Q1939-03	GB2	SOIL	1,2,4-Trimethylbenzene	* 140	J	57.3	450	ug/Kg
Q1939-03	GB2	SOIL	sec-Butylbenzene	* 110	J	59.1	450	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q1939

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1939-03	GB2	SOIL	Ethyl methacrylate	* 140	J	66.3	450	ug/Kg
			Total Tics :	30500				
			Total Concentration:	31400				
Client ID:	GB2RE							
Q1939-03RE	GB2RE	SOIL	Methyl Acetate	340	J	140	450	ug/Kg
Q1939-03RE	GB2RE	SOIL	Methylcyclohexane	480		81.5	450	ug/Kg
			Total Voc :	820				
			Total Concentration:	820				
Client ID:	GB2B							
Q1939-04	GB2B	SOIL	Methylcyclohexane	1.20	J	0.74	4.10	ug/Kg
Q1939-04	GB2B	SOIL	Chlorobenzene	1.50	J	0.74	4.10	ug/Kg
Q1939-04	GB2B	SOIL	m/p-Xylenes	2.10	J	1.00	8.10	ug/Kg
Q1939-04	GB2B	SOIL	o-Xylene	0.93	J	0.67	4.10	ug/Kg
Q1939-04	GB2B	SOIL	1,4-Dichlorobenzene	3.80	J	1.30	4.10	ug/Kg
			Total Voc :	9.53				
Q1939-04	GB2B	SOIL	Naphthalene, 2-methyl-	* 8.60	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 1,2,4,5-tetramethyl-	* 4.10	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 4-ethyl-1,2-dimethyl-	* 8.50	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 2-butenyl-	* 4.50	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 2-ethyl-1,3-dimethyl-	* 10.3	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	1H-Indene, 2,3-dihydro-4,7-din	* 5.20	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	1H-Indene, 2,3-dihydro-1,2-din	* 5.80	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	1H-Indene, 2,3-dihydro-1,6-din	* 6.50	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	Benzene, 1,2-dichloro-3-methy	* 38.8	J	0	0	ug/Kg
Q1939-04	GB2B	SOIL	2-Chlorotoluene	* 58.2	J	0.55	4.10	ug/Kg
Q1939-04	GB2B	SOIL	4-Chlorotoluene	* 38.0	J	0.99	4.10	ug/Kg
Q1939-04	GB2B	SOIL	1,2,4-Trimethylbenzene	* 2.00	J	0.52	4.10	ug/Kg
			Total Tics :	191				
			Total Concentration:	200				
Client ID:	GB3							
Q1939-05	GB3	SOIL	m/p-Xylenes	1.50	J	1.10	9.10	ug/Kg
			Total Voc :	1.50				
Q1939-05	GB3	SOIL	1,2,4-Trimethylbenzene	* 0.95	J	0.58	4.50	ug/Kg
			Total Tics :	0.95				
			Total Concentration:	2.45				
Client ID:	GB3B							
Q1939-06	GB3B	SOIL	Methylcyclohexane	45400		1500	8000	ug/Kg
Q1939-06	GB3B	SOIL	Isopropylbenzene	7200	J	1200	8000	ug/Kg
			Total Voc :	52600				

Hit Summary Sheet
SW-846

SDG No.: Q1939

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1939-06	GB3B	SOIL	Naphthalene, decahydro-	* 52900	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Benzene, 1,2,4,5-tetramethyl-	* 56500	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Hexane, 3-ethyl-	* 60300	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Heptane, 2,6-dimethyl-	* 65400	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, ethyl-	* 52300	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, butyl-	* 58500	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Heptane, 2,5-dimethyl-	* 57300	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 109000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	1-Ethyl-4-methylcyclohexane	* 77200	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Cyclohexane, 1-methyl-2-propyl-	* 91000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	1,4-Methanonaphthalene, 1,4-d	* 87600	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	unknown12.365	* 129000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	Nonane, 3-methyl-	* 119000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	4-Octen-3-one	* 50800	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	unknown12.588	* 352000	J	0	0	ug/Kg
Q1939-06	GB3B	SOIL	n-propylbenzene	* 12200	J	1200	8000	ug/Kg
Q1939-06	GB3B	SOIL	tert-Butylbenzene	* 2200	J	1100	8000	ug/Kg
Q1939-06	GB3B	SOIL	sec-Butylbenzene	* 8000	J	1100	8000	ug/Kg
Q1939-06	GB3B	SOIL	n-Butylbenzene	* 3400	J	2300	8000	ug/Kg
Total Tics :				1440000				
Total Concentration:				1500000				



QC SUMMARY

Surrogate Summary

SDG No.: **Q1939**

Client: **G Environmental**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1939-01	GB1	1,2-Dichloroethane-d4	50	59.2	118	70 (63)	130 (155)
		Dibromofluoromethane	50	51.9	104	70 (70)	130 (134)
		Toluene-d8	50	48.3	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.0	90	70 (38)	130 (136)
Q1939-02	GB1B	1,2-Dichloroethane-d4	50	55.1	110	70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101	70 (70)	130 (134)
		Toluene-d8	50	48.7	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	44.4	89	70 (38)	130 (136)
Q1939-03	GB2	1,2-Dichloroethane-d4	50	48.2	96	70 (63)	130 (155)
		Dibromofluoromethane	50	56.9	114	70 (70)	130 (134)
		Toluene-d8	50	52.1	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.9	100	70 (38)	130 (136)
Q1939-03RE	GB2RE	1,2-Dichloroethane-d4	50	47.7	95	70 (63)	130 (155)
		Dibromofluoromethane	50	62.8	126	70 (70)	130 (134)
		Toluene-d8	50	52.1	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.5	103	70 (38)	130 (136)
Q1939-04	GB2B	1,2-Dichloroethane-d4	50	55.1	110	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	48.9	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.2	92	70 (38)	130 (136)
Q1939-05	GB3	1,2-Dichloroethane-d4	50	53.2	106	70 (63)	130 (155)
		Dibromofluoromethane	50	49.6	99	70 (70)	130 (134)
		Toluene-d8	50	48.4	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	44.6	89	70 (38)	130 (136)
Q1939-06	GB3B	1,2-Dichloroethane-d4	50	46.8	94	70 (63)	130 (155)
		Dibromofluoromethane	50	59.3	119	70 (70)	130 (134)
		Toluene-d8	50	54.9	110	70 (74)	130 (123)
		4-Bromofluorobenzene	50	56.3	113	70 (38)	130 (136)
VN0505MBL01	VN0505MBL01	1,2-Dichloroethane-d4	50	48.4	97	70 (63)	130 (155)
		Dibromofluoromethane	50	60.5	121	70 (70)	130 (134)
		Toluene-d8	50	51.1	102	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.6	97	70 (38)	130 (136)
VN0505MBS01	VN0505MBS01	1,2-Dichloroethane-d4	50	51.5	103	70 (63)	130 (155)
		Dibromofluoromethane	50	57.3	115	70 (70)	130 (134)
		Toluene-d8	50	50.8	102	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.3	103	70 (38)	130 (136)
VN0506MBL01	VN0506MBL01	1,2-Dichloroethane-d4	50	46.9	94	70 (63)	130 (155)
		Dibromofluoromethane	50	60.6	121	70 (70)	130 (134)
		Toluene-d8	50	50.7	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.7	97	70 (38)	130 (136)
VN0506MBS01	VN0506MBS01	1,2-Dichloroethane-d4	50	48.6	97	70 (63)	130 (155)
		Dibromofluoromethane	50	57.7	115	70 (70)	130 (134)
		Toluene-d8	50	50.2	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.2	94	70 (38)	130 (136)
VN0509MBL01	VN0509MBL01	1,2-Dichloroethane-d4	50	48.7	97	70 (63)	130 (155)
		Dibromofluoromethane	50	63.5	127	70 (70)	130 (134)
		Toluene-d8	50	50.6	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.5	97	70 (38)	130 (136)
VN0509MBS02	VN0509MBS02	1,2-Dichloroethane-d4	50	47.1	94	70 (63)	130 (155)
		Dibromofluoromethane	50	61.3	123	70 (70)	130 (134)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN0509MBS02	VN0509MBS02	Toluene-d8	50	47.0	94	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.6	95	70 (38)	130 (136)
VY0502SBL01	VY0502SBL01	1,2-Dichloroethane-d4	50	49.0	98	70 (63)	130 (155)
		Dibromofluoromethane	50	48.7	97	70 (70)	130 (134)
		Toluene-d8	50	47.0	94	70 (74)	130 (123)
		4-Bromofluorobenzene	50	56.8	113	70 (38)	130 (136)
VY0502SBS01	VY0502SBS01	1,2-Dichloroethane-d4	50	50.9	102	70 (63)	130 (155)
		Dibromofluoromethane	50	49.0	98	70 (70)	130 (134)
		Toluene-d8	50	48.6	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.5	101	70 (38)	130 (136)
VY0502SBSD01	VY0502SBSD01	1,2-Dichloroethane-d4	50	52.0	104	70 (63)	130 (155)
		Dibromofluoromethane	50	50.4	101	70 (70)	130 (134)
		Toluene-d8	50	49.7	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.3	103	70 (38)	130 (136)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Datafile : VN086491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0505MBS01	Dichlorodifluoromethane	2000	2200	ug/Kg	110			40 (64)	160 (136)	
	Chloromethane	2000	2000	ug/Kg	100			40 (70)	160 (130)	
	Vinyl chloride	2000	2000	ug/Kg	100			70 (72)	130 (129)	
	Bromomethane	2000	2400	ug/Kg	120			40 (58)	160 (141)	
	Chloroethane	2000	1900	ug/Kg	95			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	2100	ug/Kg	105			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	2100	ug/Kg	105			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1900	ug/Kg	95			70 (79)	130 (121)	
	Acetone	10000	10000	ug/Kg	100			40 (60)	160 (131)	
	Carbon disulfide	2000	1700	ug/Kg	85			40 (45)	160 (154)	
	Methyl tert-butyl Ether	2000	1900	ug/Kg	95			70 (77)	130 (129)	
	Methyl Acetate	2000	1700	ug/Kg	85			70 (69)	130 (149)	
	Methylene Chloride	2000	2000	ug/Kg	100			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	2000	2000	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	Cyclohexane	2000	1800	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	10000	9000	ug/Kg	90			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	2000	ug/Kg	100			70 (82)	130 (123)	
	Bromochloromethane	2000	1900	ug/Kg	95			70 (80)	130 (127)	
	Chloroform	2000	2000	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	2000	ug/Kg	100			70 (80)	130 (126)	
	Methylcyclohexane	2000	1900	ug/Kg	95			70 (77)	130 (123)	
	Benzene	2000	2000	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	2000	ug/Kg	100			70 (81)	130 (126)	
	Trichloroethene	2000	2100	ug/Kg	105			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	Bromodichloromethane	2000	2100	ug/Kg	105			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	9400	ug/Kg	94			40 (70)	160 (135)	
	Toluene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1900	ug/Kg	95			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1900	ug/Kg	95			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	2100	ug/Kg	105			70 (82)	130 (125)	
	2-Hexanone	10000	9500	ug/Kg	95			40 (66)	160 (138)	
	Dibromochloromethane	2000	2100	ug/Kg	105			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2100	ug/Kg	105			70 (80)	130 (125)	
	Tetrachloroethene	2000	2100	ug/Kg	105			70 (83)	130 (125)	
	Chlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	2000	2100	ug/Kg	105			70 (82)	130 (124)	
	m/p-Xylenes	4000	4100	ug/Kg	103			70 (83)	130 (124)	
	o-Xylene	2000	2000	ug/Kg	100			70 (83)	130 (123)	
	Styrene	2000	2000	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	2000	2000	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	2000	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Datafile : VN086491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0505MBS01	1,2-Dibromo-3-Chloropropane	2000	1800	ug/Kg	90			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1900	ug/Kg	95			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Datafile : VN086515.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0506MBS01	Dichlorodifluoromethane	2000	1700	ug/Kg	85			40 (64)	160 (136)	
	Chloromethane	2000	1500	ug/Kg	75			40 (70)	160 (130)	
	Vinyl chloride	2000	1600	ug/Kg	80			70 (72)	130 (129)	
	Bromomethane	2000	2100	ug/Kg	105			40 (58)	160 (141)	
	Chloroethane	2000	1600	ug/Kg	80			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1900	ug/Kg	95			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1700	ug/Kg	85			70 (79)	130 (121)	
	Acetone	10000	8700	ug/Kg	87			40 (60)	160 (131)	
	Carbon disulfide	2000	1500	ug/Kg	75			40 (45)	160 (154)	
	Methyl tert-butyl Ether	2000	1700	ug/Kg	85			70 (77)	130 (129)	
	Methyl Acetate	2000	1600	ug/Kg	80			70 (69)	130 (149)	
	Methylene Chloride	2000	1800	ug/Kg	90			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1700	ug/Kg	85			70 (82)	130 (123)	
	Cyclohexane	2000	1600	ug/Kg	80			70 (76)	130 (122)	
	2-Butanone	10000	8000	ug/Kg	80			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	1800	ug/Kg	90			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1900	ug/Kg	95			70 (80)	130 (126)	
	Methylcyclohexane	2000	1700	ug/Kg	85			70 (77)	130 (123)	
	Benzene	2000	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1900	ug/Kg	95			70 (81)	130 (126)	
	Trichloroethene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	Bromodichloromethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8800	ug/Kg	88			40 (70)	160 (135)	
	Toluene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1700	ug/Kg	85			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	1900	ug/Kg	95			70 (82)	130 (125)	
	2-Hexanone	10000	8700	ug/Kg	87			40 (66)	160 (138)	
	Dibromochloromethane	2000	1900	ug/Kg	95			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2000	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	2000	2000	ug/Kg	100			70 (83)	130 (125)	
	Chlorobenzene	2000	1900	ug/Kg	95			70 (84)	130 (122)	
	Ethyl Benzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	m/p-Xylenes	4000	3800	ug/Kg	95			70 (83)	130 (124)	
	o-Xylene	2000	2000	ug/Kg	100			70 (83)	130 (123)	
	Styrene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	Bromoform	2000	1900	ug/Kg	95			70 (75)	130 (127)	
	Isopropylbenzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	2000	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Datafile : VN086515.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0506MBS01	1,2-Dibromo-3-Chloropropane	2000	1800	ug/Kg	90			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	2000	ug/Kg	100			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Datafile : VN086557.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0509MBS02	Dichlorodifluoromethane	2000	1900	ug/Kg	95			40 (64)	160 (136)	
	Chloromethane	2000	1700	ug/Kg	85			40 (70)	160 (130)	
	Vinyl chloride	2000	1700	ug/Kg	85			70 (72)	130 (129)	
	Bromomethane	2000	2300	ug/Kg	115			40 (58)	160 (141)	
	Chloroethane	2000	1700	ug/Kg	85			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1800	ug/Kg	90			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1700	ug/Kg	85			70 (79)	130 (121)	
	Acetone	10000	8800	ug/Kg	88			40 (60)	160 (131)	
	Carbon disulfide	2000	1600	ug/Kg	80			40 (45)	160 (154)	
	Methyl tert-butyl Ether	2000	1800	ug/Kg	90			70 (77)	130 (129)	
	Methyl Acetate	2000	1400	ug/Kg	70			70 (69)	130 (149)	
	Methylene Chloride	2000	1900	ug/Kg	95			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1700	ug/Kg	85			70 (82)	130 (123)	
	Cyclohexane	2000	1600	ug/Kg	80			70 (76)	130 (122)	
	2-Butanone	10000	8300	ug/Kg	83			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	1900	ug/Kg	95			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1800	ug/Kg	90			70 (80)	130 (126)	
	Methylcyclohexane	2000	1800	ug/Kg	90			70 (77)	130 (123)	
	Benzene	2000	1900	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	2000	ug/Kg	100			70 (81)	130 (126)	
	Trichloroethene	2000	2000	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	Bromodichloromethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8800	ug/Kg	88			40 (70)	160 (135)	
	Toluene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1900	ug/Kg	95			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	2000	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	10000	8700	ug/Kg	87			40 (66)	160 (138)	
	Dibromochloromethane	2000	2000	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	2000	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	2000	1900	ug/Kg	95			70 (83)	130 (125)	
	Chlorobenzene	2000	2000	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	m/p-Xylenes	4000	3800	ug/Kg	95			70 (83)	130 (124)	
	o-Xylene	2000	1900	ug/Kg	95			70 (83)	130 (123)	
	Styrene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	Bromoform	2000	1900	ug/Kg	95			70 (75)	130 (127)	
	Isopropylbenzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1900	ug/Kg	95			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1900	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1900	ug/Kg	95			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Datafile : VN086557.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0509MBS02	1,2-Dibromo-3-Chloropropane	2000	1700	ug/Kg	85			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1900	ug/Kg	95			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY022121.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0502SBS01	Dichlorodifluoromethane	20	19.2	ug/Kg	96			40 (64)	160 (136)	
	Chloromethane	20	18.9	ug/Kg	95			40 (70)	160 (130)	
	Vinyl chloride	20	19.1	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	21.5	ug/Kg	108			40 (58)	160 (141)	
	Chloroethane	20	19.8	ug/Kg	99			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.7	ug/Kg	104			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	18.9	ug/Kg	95			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.5	ug/Kg	108			70 (77)	130 (129)	
	Methyl Acetate	20	22.0	ug/Kg	110			70 (69)	130 (149)	
	Methylene Chloride	20	22.0	ug/Kg	110			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	20.0	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.4	ug/Kg	102			70 (82)	130 (123)	
	Cyclohexane	20	19.4	ug/Kg	97			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	Bromochloromethane	20	19.6	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	20.9	ug/Kg	104			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Methylcyclohexane	20	19.3	ug/Kg	97			70 (77)	130 (123)	
	Benzene	20	19.9	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	Bromodichloromethane	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.9	ug/Kg	104			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.5	ug/Kg	103			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.4	ug/Kg	102			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.6	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	21.0	ug/Kg	105			70 (83)	130 (125)	
	Chlorobenzene	20	20.1	ug/Kg	101			70 (84)	130 (122)	
	Ethyl Benzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	m/p-Xylenes	40	40.7	ug/Kg	102			70 (83)	130 (124)	
	o-Xylene	20	20.6	ug/Kg	103			70 (83)	130 (123)	
	Styrene	20	20.3	ug/Kg	102			70 (82)	130 (124)	
	Bromoform	20	20.1	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	20.9	ug/Kg	104			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY022121.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0502SBS01	1,2-Dibromo-3-Chloropropane	20	20.8	ug/Kg	104			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.7	ug/Kg	99			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY022122.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0502SBSD01	Dichlorodifluoromethane	20	20.0	ug/Kg	100	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.9	ug/Kg	95	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.0	ug/Kg	95	1		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.6	ug/Kg	98	10		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.8	ug/Kg	94	5		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.4	ug/Kg	102	2		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.5	ug/Kg	103	2		70 (79)	130 (121)	30 (20)
	Acetone	100	100	ug/Kg	100	10		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.3	ug/Kg	97	2		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.7	ug/Kg	109	1		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.5	ug/Kg	113	3		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	22.5	ug/Kg	113	3		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102	2		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.8	ug/Kg	104	2		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.9	ug/Kg	100	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	0		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.7	ug/Kg	104	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.3	ug/Kg	106	1		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	19.0	ug/Kg	95	3		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.0	ug/Kg	105	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108	2		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.9	ug/Kg	100	3		70 (77)	130 (123)	30 (20)
	Benzene	20	20.3	ug/Kg	102	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.9	ug/Kg	104	0		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.5	ug/Kg	103	0		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	19.5	ug/Kg	98	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.0	ug/Kg	105	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	0		40 (70)	160 (135)	30 (20)
	Toluene	20	20.7	ug/Kg	104	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	1		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104	1		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.8	ug/Kg	104	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.7	ug/Kg	104	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.4	ug/Kg	107	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.7	ug/Kg	104	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.5	ug/Kg	103	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.0	ug/Kg	105	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	21.1	ug/Kg	106	3		70 (83)	130 (123)	30 (20)
	Styrene	20	20.9	ug/Kg	104	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.3	ug/Kg	102	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.1	ug/Kg	106	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.5	ug/Kg	103	3		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104	3		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	2		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.4	ug/Kg	102	3		70 (83)	130 (124)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1939

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY022122.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0502SBSD01	1,2-Dibromo-3-Chloropropane	20	21.1	ug/Kg	106	2		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.6	ug/Kg	103	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104	5		70 (70)	130 (137)	30 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0505MBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1939

SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086479.D

Lab Sample ID: VN0505MBL01

Date Analyzed: 05/05/2025

Time Analyzed: 12:13

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
VN0505MBS01	VN0505MBS01	VN086491.D	05/05/2025
GB3B	Q1939-06	VN086500.D	05/05/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0506MBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1939

SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086505.D

Lab Sample ID: VN0506MBL01

Date Analyzed: 05/06/2025

Time Analyzed: 11:11

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
VN0506MBS01	VN0506MBS01	VN086515.D	05/06/2025
GB2	Q1939-03	VN086517.D	05/06/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0509MBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1939

SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VN086554.D

Lab Sample ID: VN0509MBL01

Date Analyzed: 05/09/2025

Time Analyzed: 11:34

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
VN0509MBS02	VN0509MBS02	VN086557.D	05/09/2025
GB2RE	Q1939-03RE	VN086558.D	05/09/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0502SBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1939

SAS No.: Q1939 SDG NO.: Q1939

Lab File ID: VY022120.D

Lab Sample ID: VY0502SBL01

Date Analyzed: 05/02/2025

Time Analyzed: 11:25

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0502SBS01	VY0502SBS01	VY022121.D	05/02/2025
VY0502SBSD01	VY0502SBSD01	VY022122.D	05/02/2025
GB1	Q1939-01	VY022132.D	05/02/2025
GB1B	Q1939-02	VY022133.D	05/02/2025
GB2B	Q1939-04	VY022134.D	05/02/2025
GB3	Q1939-05	VY022135.D	05/02/2025

COMMENTS: _____



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
Lab File ID: VN086276.D BFB Injection Date: 04/15/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:47
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN086277.D	04/15/2025	11:29
VSTDIC005	VSTDIC005	VN086278.D	04/15/2025	12:21
VSTDIC010	VSTDIC010	VN086279.D	04/15/2025	12:45
VSTDIC020	VSTDIC020	VN086280.D	04/15/2025	13:09
VSTDIC050	VSTDIC050	VN086281.D	04/15/2025	13:51
VSTDIC100	VSTDIC100	VN086282.D	04/15/2025	14:29



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
Lab File ID: VN086477.D BFB Injection Date: 05/05/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:23
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.1
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	74
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	70.3 (95) 1
177	5.0 - 9.0% of mass 176	4.8 (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
VSTDCCC050	VSTDCCC050	VN086478.D	05/05/2025	11:32
VN0505MBL01	VN0505MBL01	VN086479.D	05/05/2025	12:13
VN0505MBS01	VN0505MBS01	VN086491.D	05/05/2025	17:13
GB3B	Q1939-06	VN086500.D	05/05/2025	20:50



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
Lab File ID: VN086503.D BFB Injection Date: 05/06/2025
Instrument ID: MSVOA_N BFB Injection Time: 09:13
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5 (6.8) 1
176	95.0 - 101.0% of mass 174	71.8 (97.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086504.D	05/06/2025	10:35
VN0506MBL01	VN0506MBL01	VN086505.D	05/06/2025	11:11
VN0506MBS01	VN0506MBS01	VN086515.D	05/06/2025	15:23
GB2	Q1939-03	VN086517.D	05/06/2025	16:11



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
Lab File ID: VN086552.D BFB Injection Date: 05/09/2025
Instrument ID: MSVOA_N BFB Injection Time: 09:49
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.5
175	5.0 - 9.0% of mass 174	5.6 (7.9) 1
176	95.0 - 101.0% of mass 174	69.4 (97.1) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086553.D	05/09/2025	11:00
VN0509MBL01	VN0509MBL01	VN086554.D	05/09/2025	11:34
VN0509MBS02	VN0509MBS02	VN086557.D	05/09/2025	12:57
GB2RE	Q1939-03RE	VN086558.D	05/09/2025	13:31



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
Lab File ID: VY021952.D BFB Injection Date: 04/22/2025
Instrument ID: MSVOA_Y BFB Injection Time: 11:33
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VY021953.D	04/22/2025	13:39
VSTDIC010	VSTDIC010	VY021954.D	04/22/2025	14:44
VSTDIC020	VSTDIC020	VY021955.D	04/22/2025	15:07
VSTDIC050	VSTDIC050	VY021956.D	04/22/2025	15:29
VSTDIC100	VSTDIC100	VY021957.D	04/22/2025	15:52
VSTDIC150	VSTDIC150	VY021958.D	04/22/2025	16:15



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
Lab File ID: VY022118.D BFB Injection Date: 05/02/2025
Instrument ID: MSVOA_Y BFB Injection Time: 10:26
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	86.6
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	83 (95.8) 1
177	5.0 - 9.0% of mass 176	5.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022119.D	05/02/2025	10:56
VY0502SBL01	VY0502SBL01	VY022120.D	05/02/2025	11:25
VY0502SBS01	VY0502SBS01	VY022121.D	05/02/2025	11:53
VY0502SBSD01	VY0502SBSD01	VY022122.D	05/02/2025	12:16
GB1	Q1939-01	VY022132.D	05/02/2025	16:24
GB1B	Q1939-02	VY022133.D	05/02/2025	16:48
GB2B	Q1939-04	VY022134.D	05/02/2025	17:11
GB3	Q1939-05	VY022135.D	05/02/2025	17:35

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
 Lab File ID: VN086478.D Date Analyzed: 05/05/2025
 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	154484	8.22	297307	9.10	276417	11.87
UPPER LIMIT	308968	8.718	594614	9.6	552834	12.365
LOWER LIMIT	77242	7.718	148654	8.6	138209	11.365
EPA SAMPLE NO.						
GB3B	176014	8.22	330285	9.10	317139	11.87
VN0505MBL01	156968	8.22	298822	9.10	277824	11.87
VN0505MBS01	174392	8.22	323563	9.10	294006	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: GENV01
 Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
 Lab File ID: VN086478.D Date Analyzed: 05/05/2025
 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	133852	13.788				
UPPER LIMIT	267704	14.288				
LOWER LIMIT	66926	13.288				
EPA SAMPLE NO.						
GB3B	153312	13.79				
VN0505MBL01	117072	13.79				
VN0505MBS01	137470	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: GENV01
 Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
 Lab File ID: VN086504.D Date Analyzed: 05/06/2025
 Instrument ID: MSVOA_N Time Analyzed: 10:35
 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	186971	8.22	338775	9.09	314072	11.86
UPPER LIMIT	373942	8.724	677550	9.594	628144	12.359
LOWER LIMIT	93485.5	7.724	169388	8.594	157036	11.359
EPA SAMPLE NO.						
GB2	146112	8.22	275620	9.09	271043	11.87
VN0506MBL01	194854	8.22	360705	9.10	339328	11.87
VN0506MBS01	186931	8.22	334765	9.10	293306	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: GENV01
 Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
 Lab File ID: VN086504.D Date Analyzed: 05/06/2025
 Instrument ID: MSVOA_N Time Analyzed: 10:35
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	155373	13.788				
UPPER LIMIT	310746	14.288				
LOWER LIMIT	77686.5	13.288				
EPA SAMPLE NO.						
GB2	119869	13.79				
VN0506MBL01	141530	13.79				
VN0506MBS01	131486	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: GENV01
Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
Lab File ID: VN086553.D Date Analyzed: 05/09/2025
Instrument ID: MSVOA_N Time Analyzed: 11:00
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	164970	8.22	308838	9.09	288325	11.87
UPPER LIMIT	329940	8.718	617676	9.594	576650	12.365
LOWER LIMIT	82485	7.718	154419	8.594	144163	11.365
EPA SAMPLE NO.						
GB2RE	160486	8.22	300494	9.09	289880	11.87
VN0509MBL01	161578	8.22	304753	9.10	283891	11.87
VN0509MBS02	176403	8.22	314371	9.10	287142	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: GENV01
 Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
 Lab File ID: VN086553.D Date Analyzed: 05/09/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:00
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	145072	13.788				
UPPER LIMIT	290144	14.288				
LOWER LIMIT	72536	13.288				
EPA SAMPLE NO.						
GB2RE	130900	13.79				
VN0509MBL01	123333	13.79				
VN0509MBS02	130698	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: GENV01
Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
Lab File ID: VY022119.D Date Analyzed: 05/02/2025
Instrument ID: MSVOA_Y Time Analyzed: 10:56
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	360455	7.71	570969	8.62	519282	11.41
UPPER LIMIT	720910	8.207	1141940	9.116	1038560	11.914
LOWER LIMIT	180228	7.207	285485	8.116	259641	10.914
EPA SAMPLE NO.						
GB1	327260	7.71	620890	8.61	562816	11.41
GB1B	318938	7.71	597401	8.61	540276	11.41
GB2B	337342	7.71	633879	8.61	583504	11.41
GB3	358545	7.71	672036	8.61	603590	11.41
VY0502SBL01	420631	7.71	766740	8.62	655107	11.41
VY0502SBS01	354744	7.71	565281	8.62	507664	11.41
VY0502SBSD01	344715	7.71	551563	8.62	493162	11.41

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: GENV01
 Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG NO.: Q1939
 Lab File ID: VY022119.D Date Analyzed: 05/02/2025
 Instrument ID: MSVOA_Y Time Analyzed: 10:56
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	263357	13.347				
UPPER LIMIT	526714	13.847				
LOWER LIMIT	131679	12.847				
EPA SAMPLE NO.						
GB1	227037	13.35				
GB1B	220532	13.35				
GB2B	245346	13.35				
GB3	245556	13.35				
VY0502SBL01	242655	13.35				
VY0502SBS01	264963	13.35				
VY0502SBSD01	257067	13.35				

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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1	SDG No.:	Q1939
Lab Sample ID:	Q1939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.8
Sample Wt/Vol:	8.02 Units: g	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
VY022132.D	1		05/02/25 16:24	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	U	0.84	3.70	ug/Kg
74-87-3	Chloromethane	0.84	U	0.84	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.70	ug/Kg
75-00-3	Chloroethane	0.93	U	0.93	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.89	U	0.89	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	5.80	J	3.50	18.4	ug/Kg
75-15-0	Carbon Disulfide	0.78	U	0.78	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	3.70	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	3.70	ug/Kg
74-97-5	Bromochloromethane	0.85	U	0.85	3.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.67	U	0.67	3.70	ug/Kg
71-43-2	Benzene	0.58	U	0.58	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.4	ug/Kg
108-88-3	Toluene	0.57	U	0.57	3.70	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1	SDG No.:	Q1939
Lab Sample ID:	Q1939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.8
Sample Wt/Vol:	8.02	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOCMS Group1
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022132.D	1		05/02/25 16:24	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.4	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	3.70	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.70	ug/Kg
179601-23-1	m/p-Xylenes	1.40	J	0.91	7.40	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	3.70	ug/Kg
100-42-5	Styrene	0.52	U	0.52	3.70	ug/Kg
75-25-2	Bromoform	0.63	U	0.63	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	0.89	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	2.30	3.70	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.2	70 (63) - 130 (155)	118%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9	70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	48.3	70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0	70 (38) - 130 (136)	90%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	327000	7.707
540-36-3	1,4-Difluorobenzene	621000	8.609
3114-55-4	Chlorobenzene-d5	563000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	227000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1	SDG No.:	Q1939
Lab Sample ID:	Q1939-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.8
Sample Wt/Vol:	8.02 Units: g	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
VY022132.D	1		05/02/25 16:24	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	0.85	J		13.0	ug/Kg

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_Y\Data\VY050225\
 Data File : VY022132.D
 Acq On : 02 May 2025 16:24
 Operator : SY/MD
 Sample : Q1939-01
 Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1

Quant Time: May 03 02:51:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

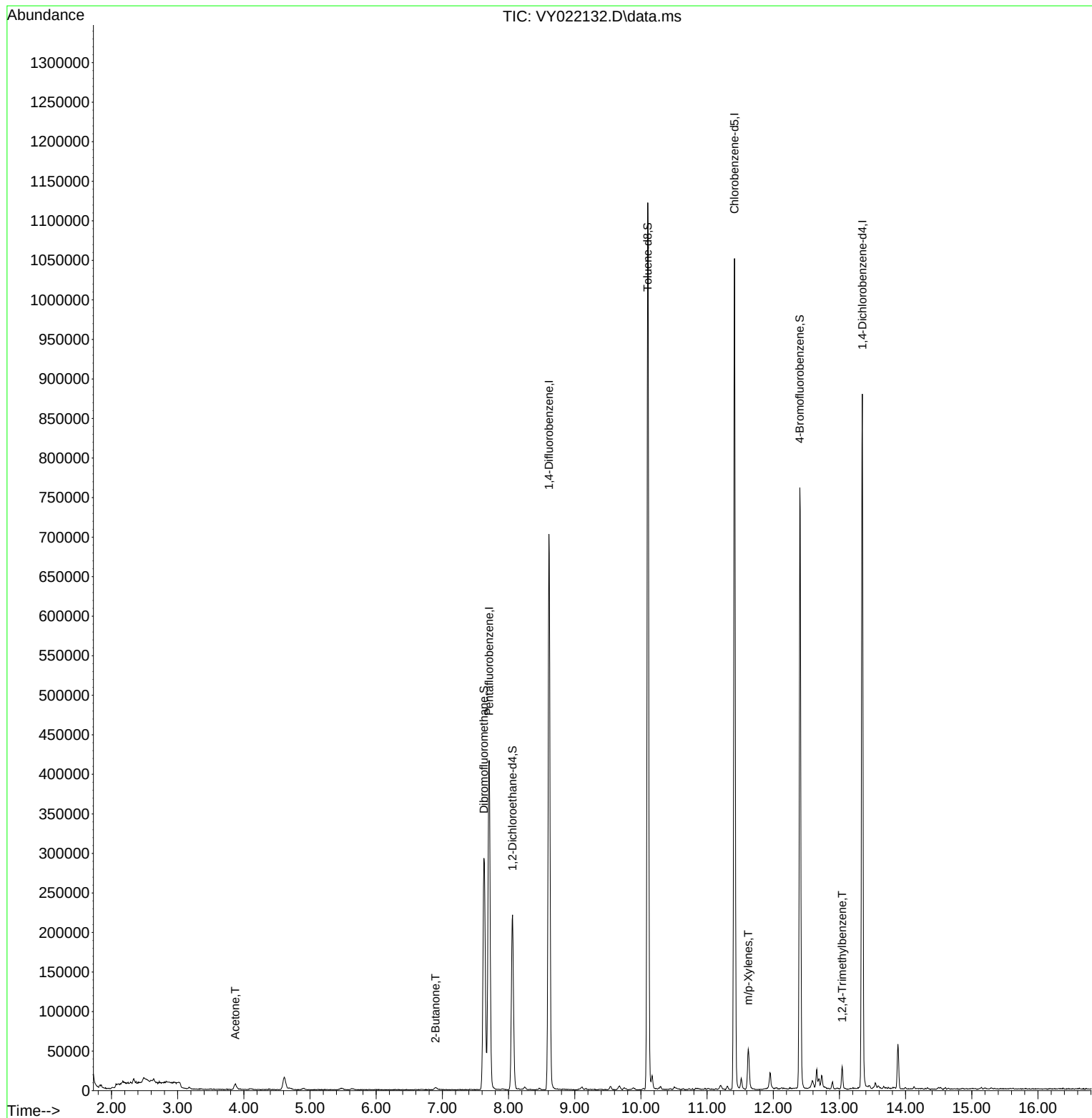
Internal Standards						
1) Pentafluorobenzene	7.707	168	327260	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	620890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	562816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	227037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	178830	59.160	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.320%
35) Dibromofluoromethane	7.628	113	213057	51.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.880%
50) Toluene-d8	10.103	98	746474	48.271	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.540%
62) 4-Bromofluorobenzene	12.401	95	234313	45.009	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.020%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	11324	7.938	ug/l #	86
25) 2-Butanone	6.896	43	3818	5.541	ug/l	99
68) m/p-Xylenes	11.621	106	15935	1.945	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	14392	1.151	ug/l	100

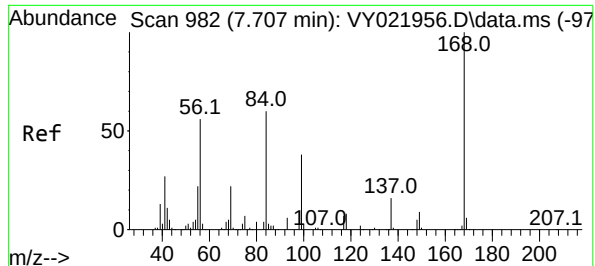
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Time: May 03 02:51:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

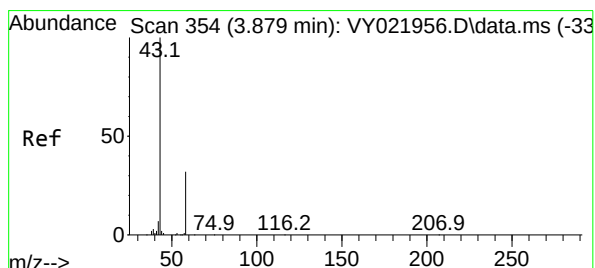
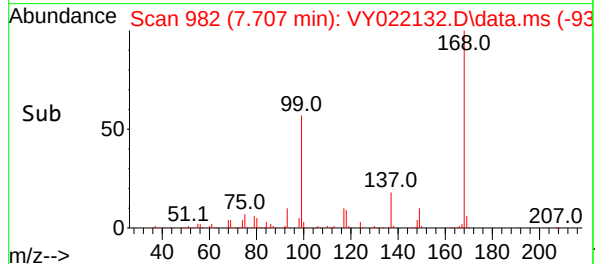
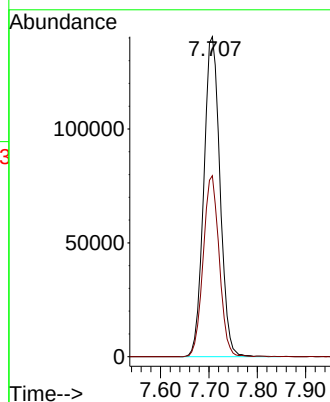
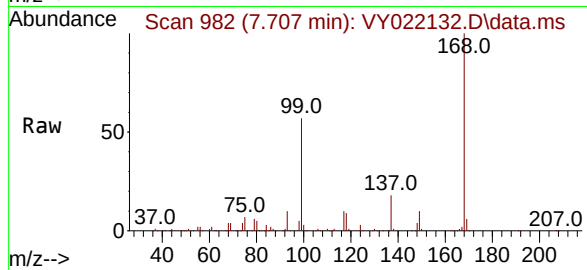




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

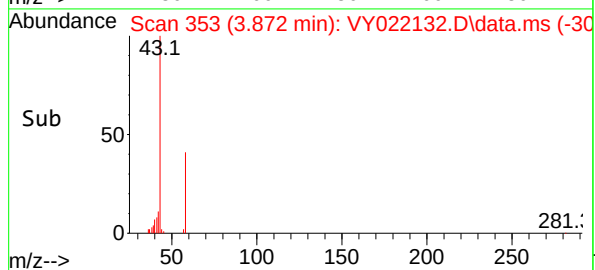
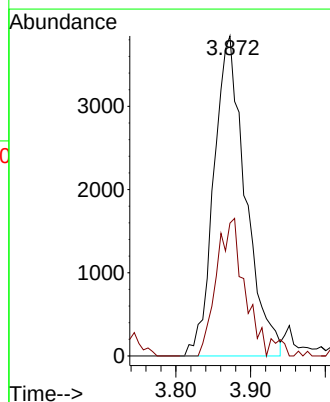
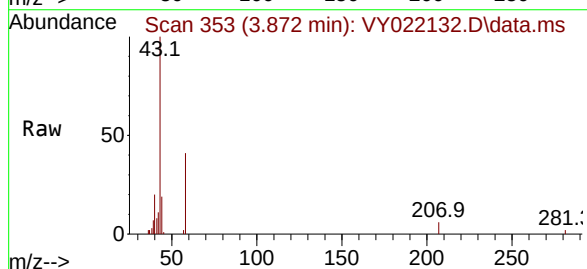
Instrument :
MSVOA_Y
ClientSampleId :
GB1

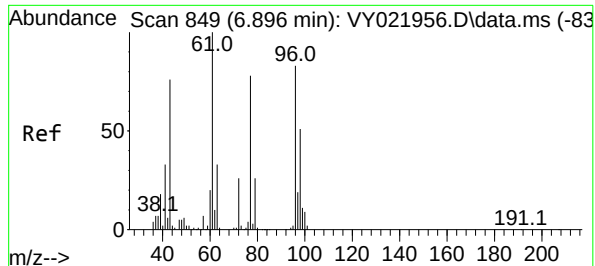
Tgt Ion:168 Resp: 327260
Ion Ratio Lower Upper
168 100
99 56.5 43.1 64.7



#16
Acetone
Concen: 7.938 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY022132.D
Acq: 02 May 2025 16:24

Tgt Ion: 43 Resp: 11324
Ion Ratio Lower Upper
43 100
58 41.5 27.0 40.4#





#25

2-Butanone

Concen: 5.541 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY022132.D

Acq: 02 May 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

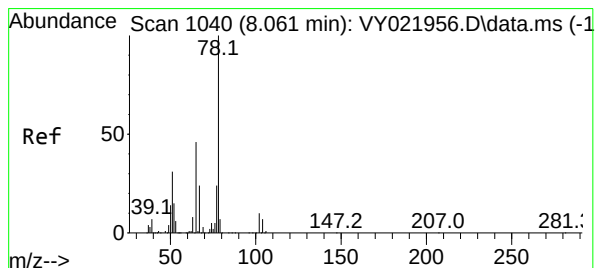
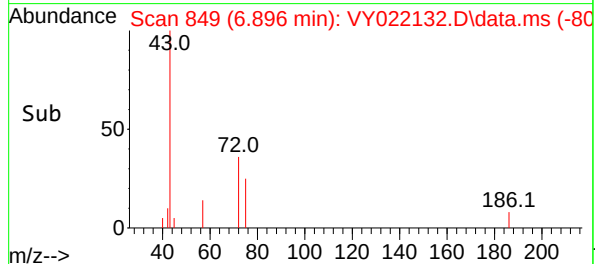
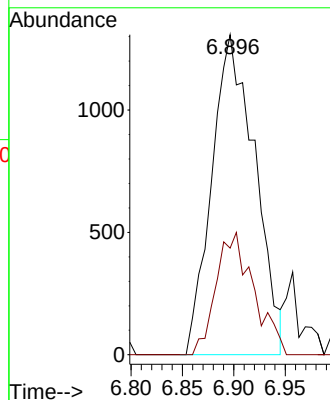
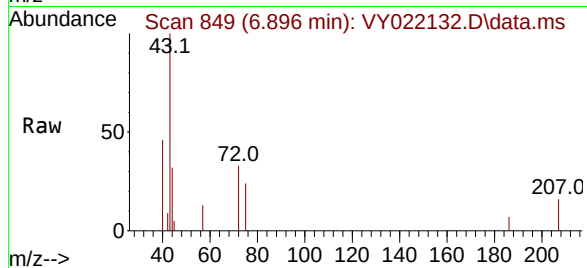
GB1

Tgt Ion: 43 Resp: 3818

Ion Ratio Lower Upper

43 100

72 33.3 27.0 40.4



#33

1,2-Dichloroethane-d4

Concen: 59.160 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022132.D

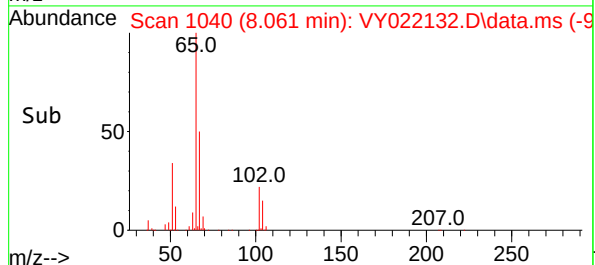
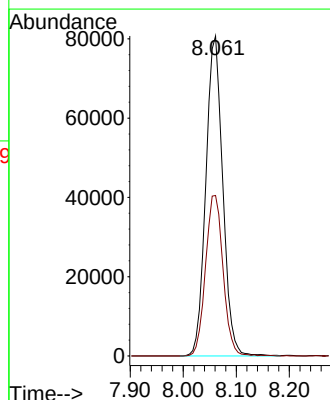
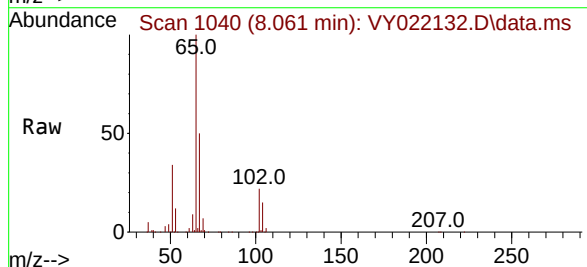
Acq: 02 May 2025 16:24

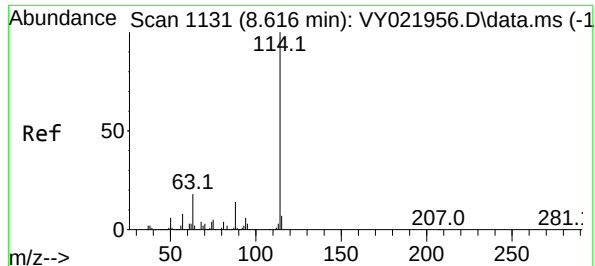
Tgt Ion: 65 Resp: 178830

Ion Ratio Lower Upper

65 100

67 52.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022132.D

Acq: 02 May 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

GB1

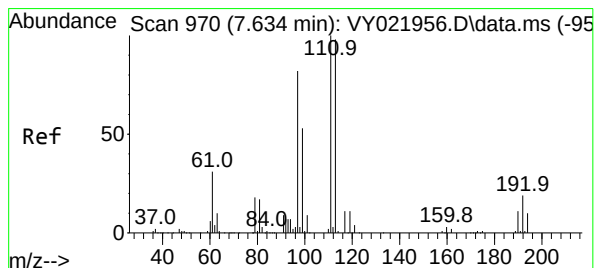
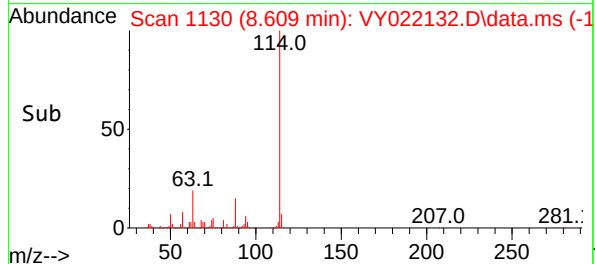
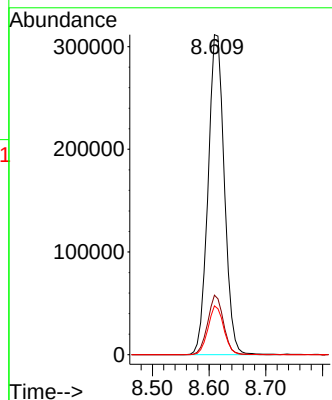
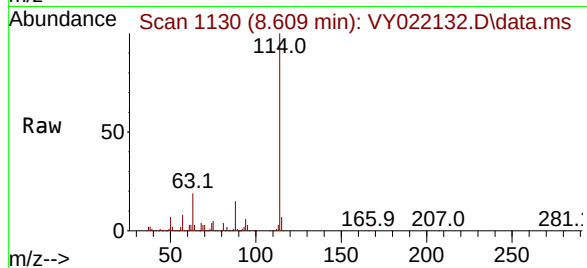
Tgt Ion:114 Resp: 620890

Ion Ratio Lower Upper

114 100

63 18.6 0.0 35.4

88 15.2 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.941 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022132.D

Acq: 02 May 2025 16:24

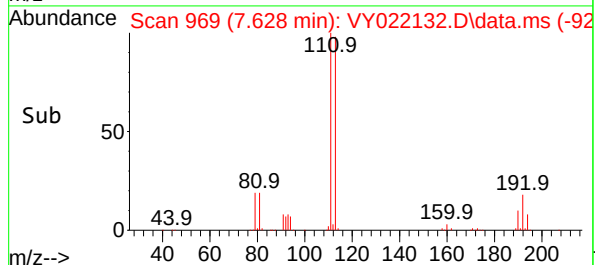
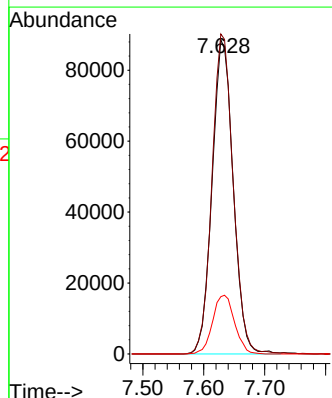
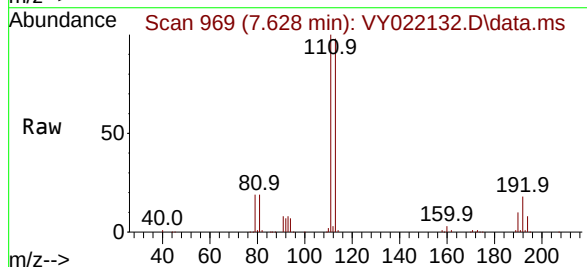
Tgt Ion:113 Resp: 213057

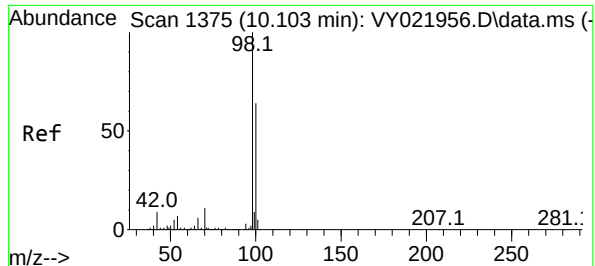
Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

192 19.5 15.6 23.4





#50

Toluene-d8

Concen: 48.271 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022132.D

Acq: 02 May 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

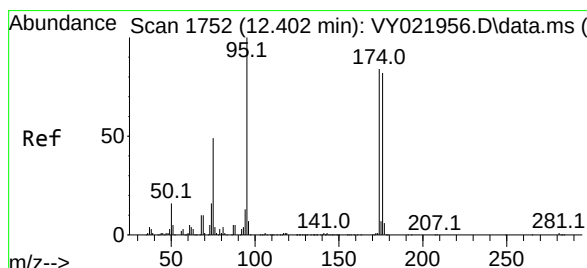
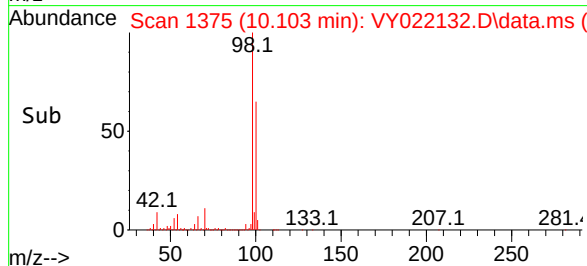
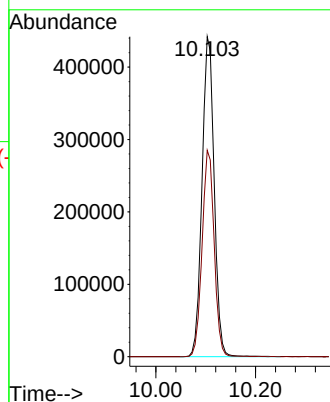
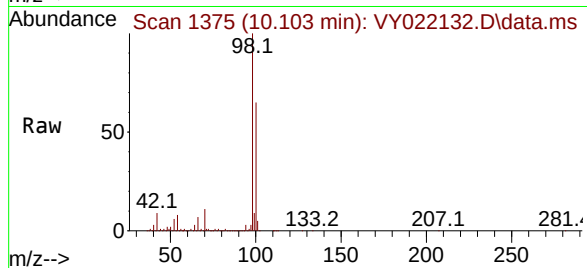
GB1

Tgt Ion: 98 Resp: 746474

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 45.009 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY022132.D

Acq: 02 May 2025 16:24

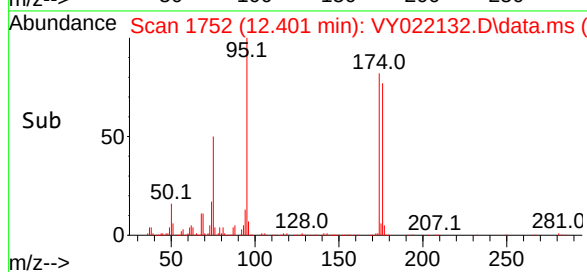
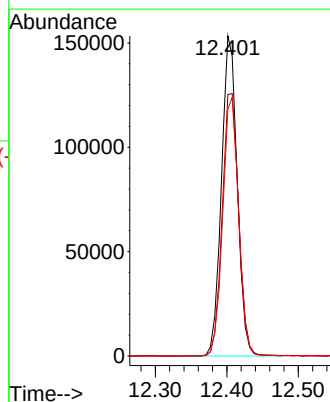
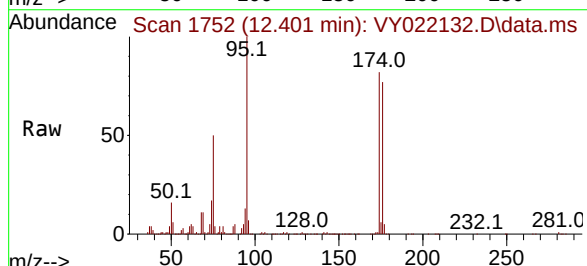
Tgt Ion: 95 Resp: 234313

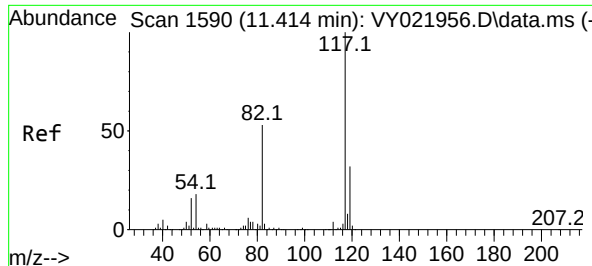
Ion Ratio Lower Upper

95 100

174 85.5 0.0 179.0

176 81.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY022132.D

Acq: 02 May 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

GB1

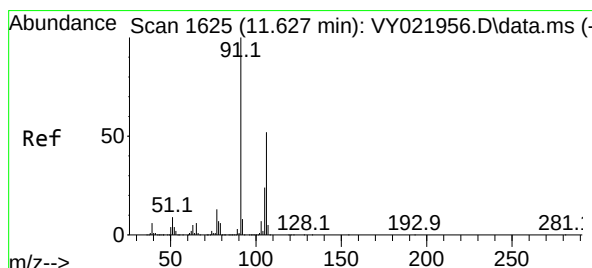
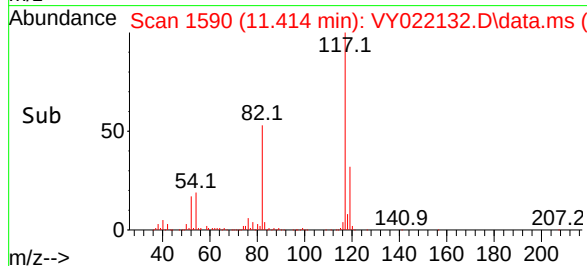
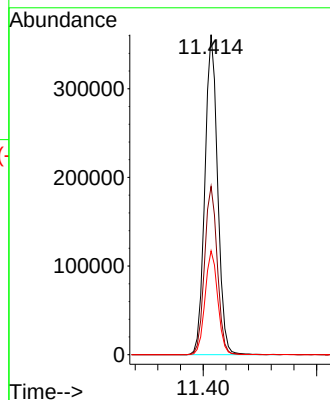
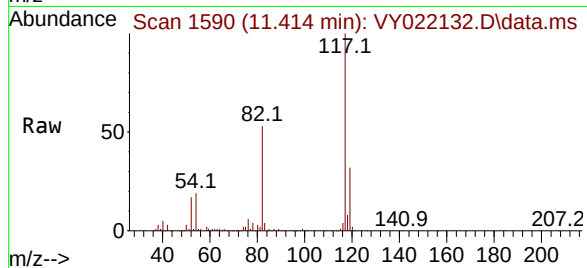
Tgt Ion:117 Resp: 562816

Ion Ratio Lower Upper

117 100

82 52.6 42.1 63.1

119 32.5 25.7 38.5



#68

m/p-Xylenes

Concen: 1.945 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.006 min

Lab File: VY022132.D

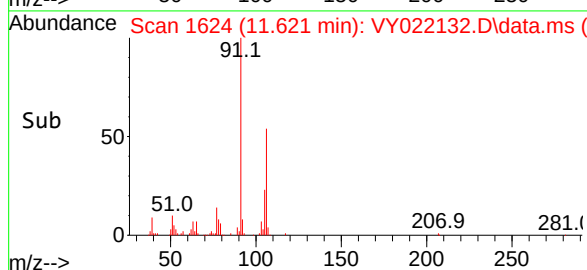
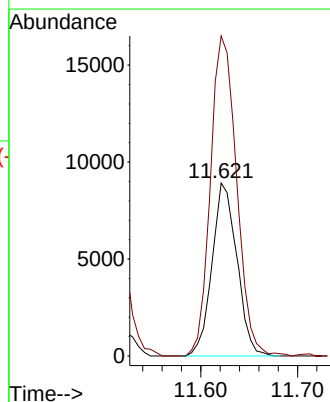
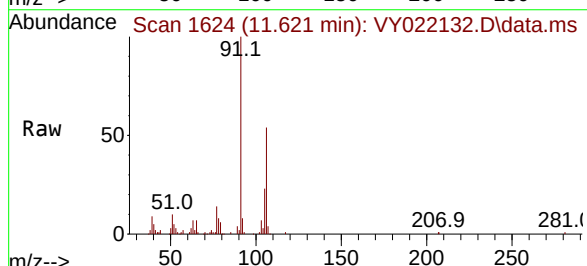
Acq: 02 May 2025 16:24

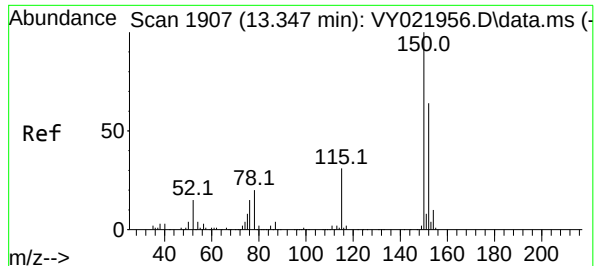
Tgt Ion:106 Resp: 15935

Ion Ratio Lower Upper

106 100

91 194.9 156.2 234.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022132.D

Acq: 02 May 2025 16:24

Instrument :

MSVOA_Y

ClientSampleId :

GB1

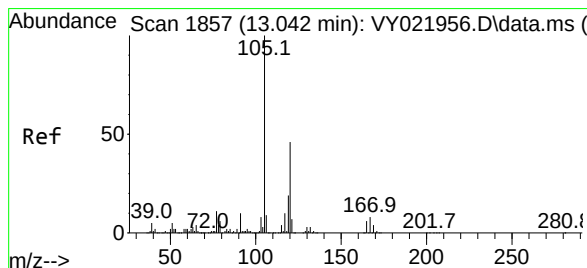
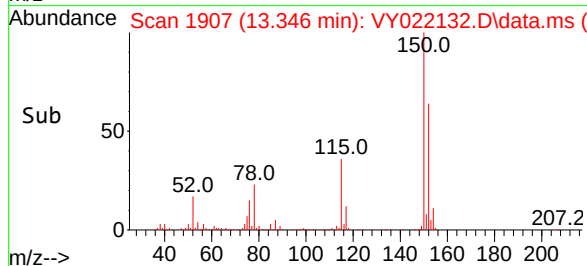
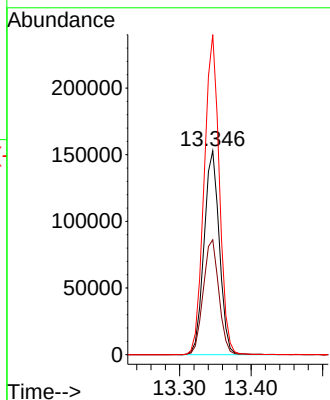
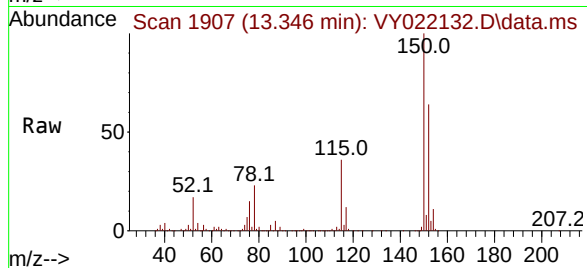
Tgt Ion:152 Resp: 227037

Ion Ratio Lower Upper

152 100

115 57.9 28.0 84.0

150 155.7 0.0 345.6



#84

1,2,4-Trimethylbenzene

Concen: 1.151 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022132.D

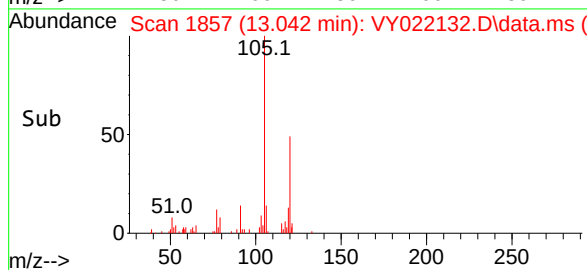
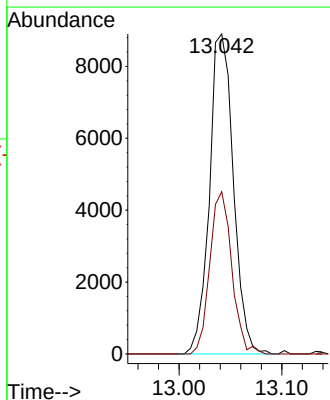
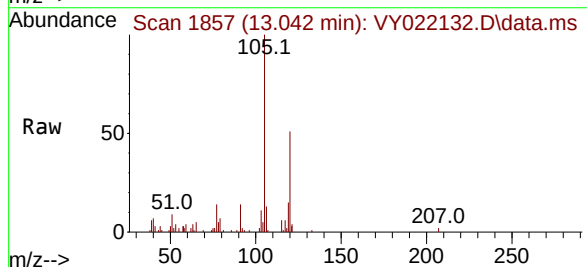
Acq: 02 May 2025 16:24

Tgt Ion:105 Resp: 14392

Ion Ratio Lower Upper

105 100

120 46.6 23.4 70.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022132.D
 Acq On : 02 May 2025 16:24
 Operator : SY/MD
 Sample : Q1939-01
 Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1

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_Y\methods\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY022132.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.872	343	353	361	rBV2	7299	19795	1.04%	0.196%
2	4.610	464	474	485	rBV3	15569	48859	2.57%	0.483%
3	7.628	959	969	976	rBV	292498	717665	37.80%	7.098%
4	7.707	976	982	999	rVB	416305	959199	50.52%	9.487%
5	8.061	1029	1040	1052	rBV	221116	498805	26.27%	4.933%
6	8.609	1120	1130	1144	rBV	702581	1388830	73.14%	13.736%
7	10.103	1368	1375	1383	rBV	1121138	1898789	100.00%	18.779%
8	10.170	1383	1386	1392	rVB	16141	24689	1.30%	0.244%
9	11.414	1582	1590	1602	rBV	1050765	1653422	87.08%	16.352%
10	11.517	1602	1607	1615	rVB	13890	23704	1.25%	0.234%
11	11.621	1617	1624	1635	rBV	50665	102126	5.38%	1.010%
12	11.950	1669	1678	1688	rVB2	20560	39789	2.10%	0.394%
13	12.401	1744	1752	1765	rVB	759695	1204464	63.43%	11.912%
14	12.657	1789	1794	1797	rBV2	22533	34333	1.81%	0.340%
15	12.731	1802	1806	1812	rVB3	14804	23972	1.26%	0.237%
16	13.042	1851	1857	1869	rVB	28761	47506	2.50%	0.470%
17	13.346	1900	1907	1917	rBV	876845	1334018	70.26%	13.193%
18	13.883	1989	1995	2002	rVB	56584	91235	4.80%	0.902%

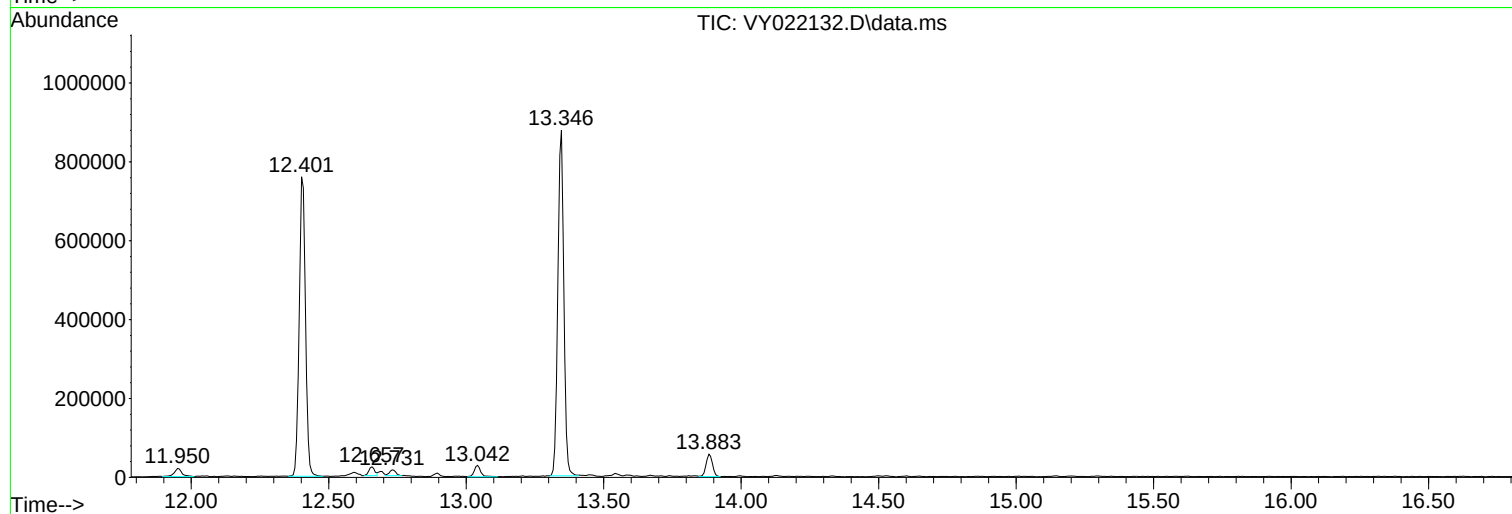
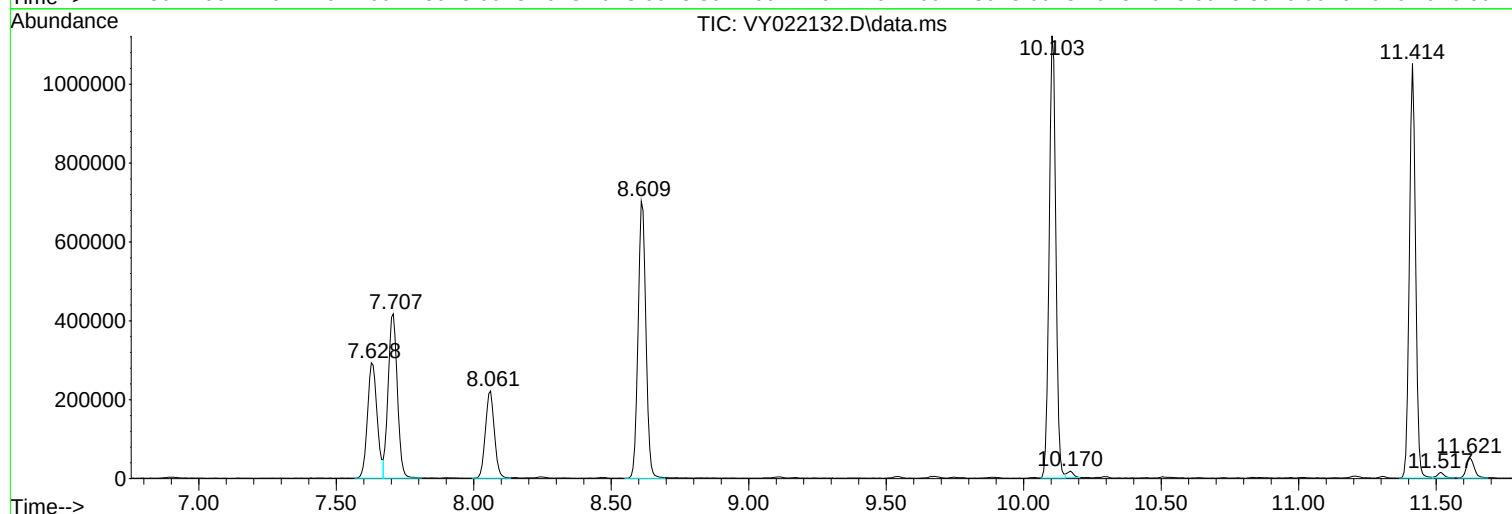
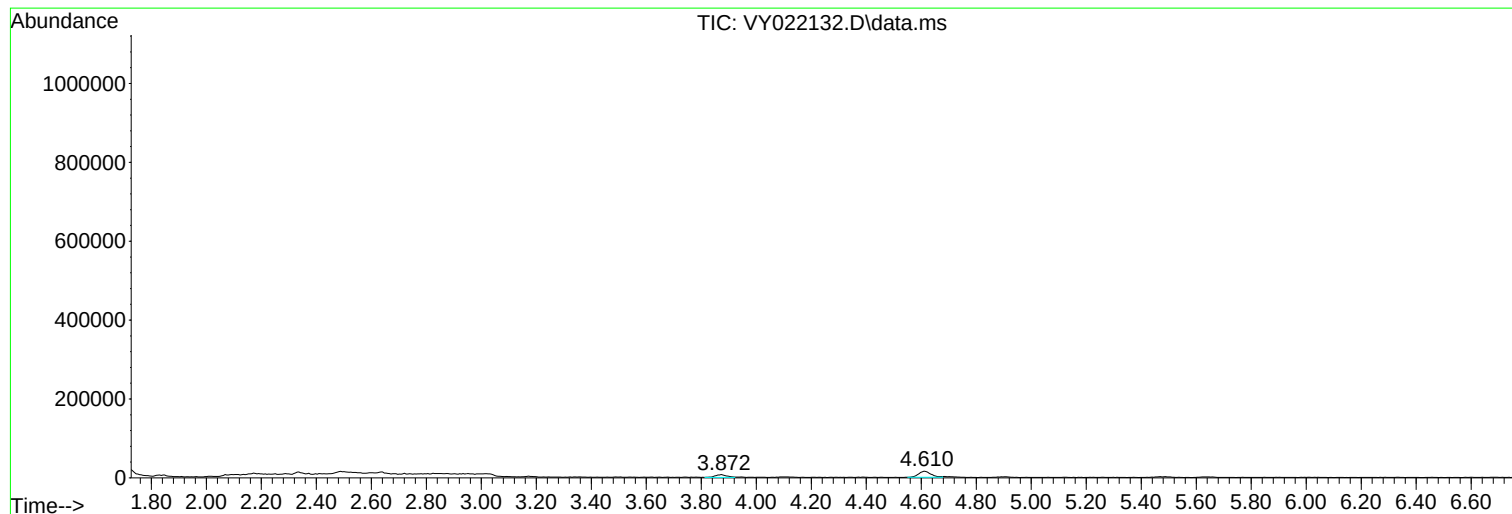
Sum of corrected areas: 10111200

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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_Y\Data\VY050225\
Data File : VY022132.D
Acq On : 02 May 2025 16:24
Operator : SY/MD
Sample : Q1939-01
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB1B	SDG No.:	Q1939
Lab Sample ID:	Q1939-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.3
Sample Wt/Vol:	7.5 Units: g	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
VY022133.D	1		05/02/25 16:48	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.92	U	0.92	4.10	ug/Kg
74-87-3	Chloromethane	0.92	U	0.92	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	4.10	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.3	ug/Kg
75-15-0	Carbon Disulfide	0.86	U	0.86	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.10	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.10	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	4.10	ug/Kg
74-97-5	Bromochloromethane	0.93	U	0.93	4.10	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.74	U	0.74	4.10	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	0.64	4.10	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.74	U	0.74	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.3	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.10	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	05/01/25	
Project:	Amsterdam		Date Received:	05/01/25	
Client Sample ID:	GB1B		SDG No.:	Q1939	
Lab Sample ID:	Q1939-02		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	82.3	
Sample Wt/Vol:	7.5	Units: g	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
VY022133.D	1		05/02/25 16:48	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.3	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.71	U	0.71	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.85	U	0.85	4.10	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	J	1.00	8.10	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.98	U	0.98	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	55.1		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		70 (38) - 130 (136)	89%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	319000	7.707			
540-36-3	1,4-Difluorobenzene	597000	8.609			
3114-55-4	Chlorobenzene-d5	540000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	221000	13.346			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental		Date Collected:	05/01/25	
Project:	Amsterdam		Date Received:	05/01/25	
Client Sample ID:	GB1B		SDG No.:	Q1939	
Lab Sample ID:	Q1939-02		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	82.3	
Sample Wt/Vol:	7.5	Units: g	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
VY022133.D	1		05/02/25 16:48	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	1.00	J		13.0	ug/Kg

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_Y\Data\VY050225\
 Data File : VY022133.D
 Acq On : 02 May 2025 16:48
 Operator : SY/MD
 Sample : Q1939-02
 Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1B

Quant Time: May 03 02:52:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

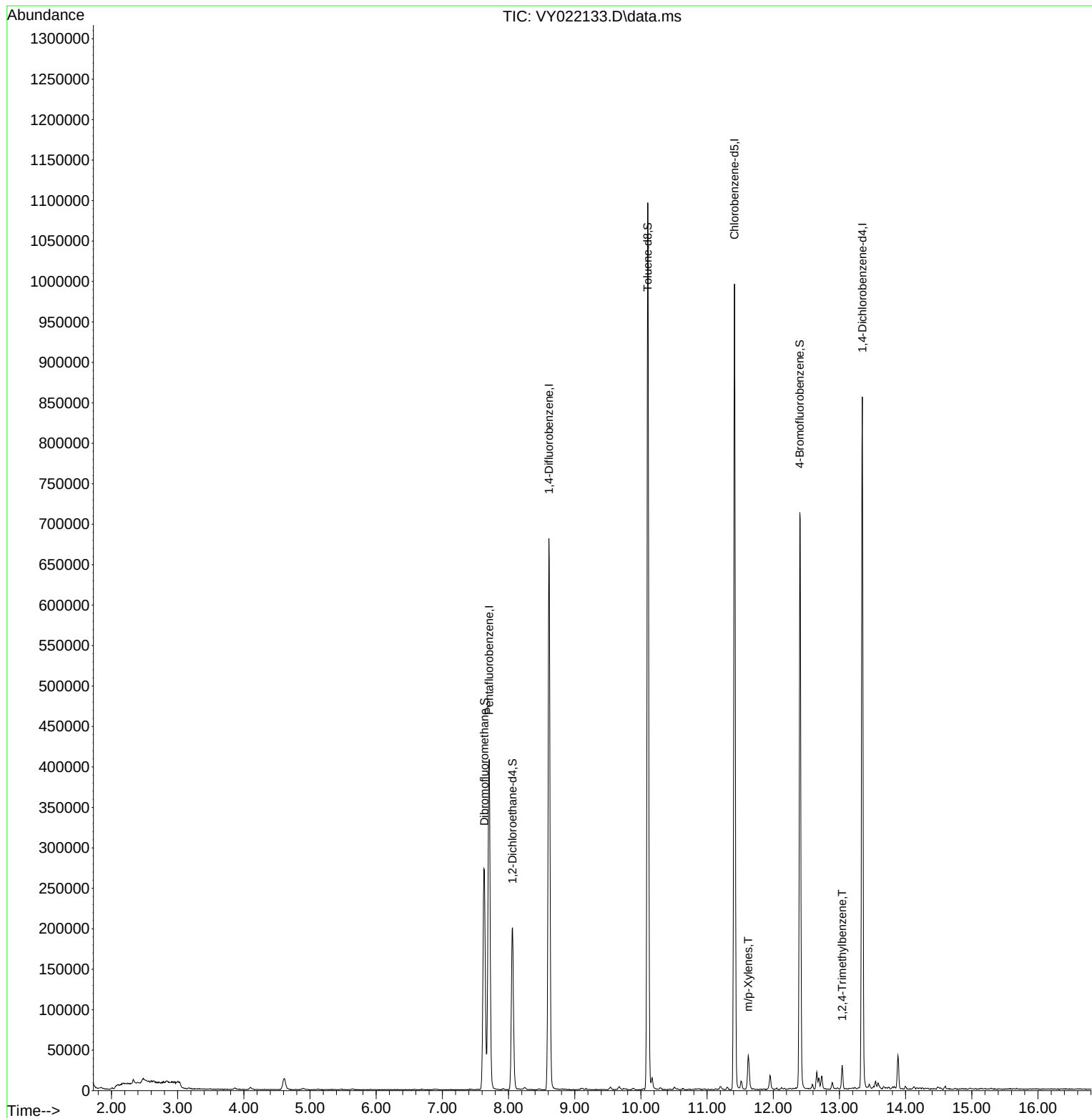
Internal Standards						
1) Pentafluorobenzene	7.707	168	318938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	597401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	540276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	220532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162382	55.120	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.240%	
35) Dibromofluoromethane	7.634	113	198567	50.312	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.620%	
50) Toluene-d8	10.103	98	724652	48.702	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.400%	
62) 4-Bromofluorobenzene	12.401	95	222338	44.388	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.780%	
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.621	106	13088	1.664	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	15035	1.238	ug/l	98

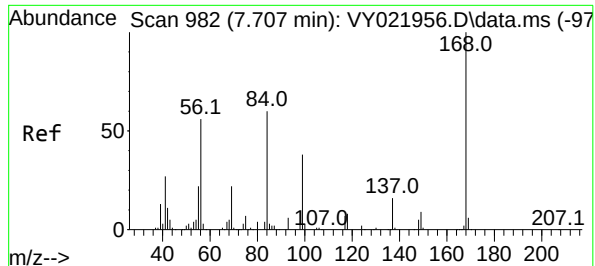
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Time: May 03 02:52:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

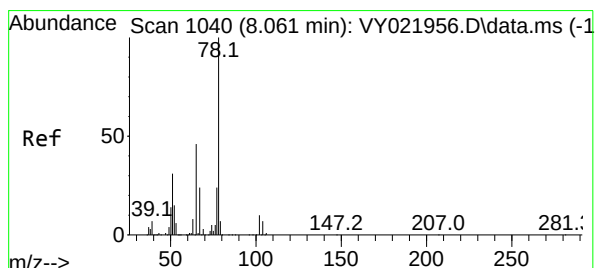
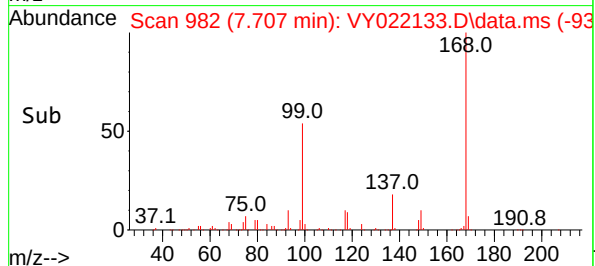
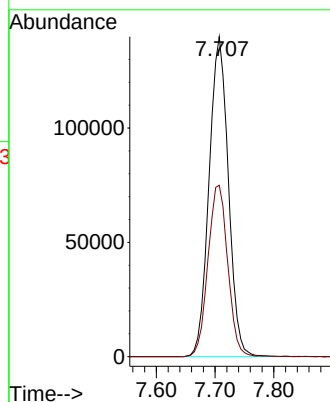
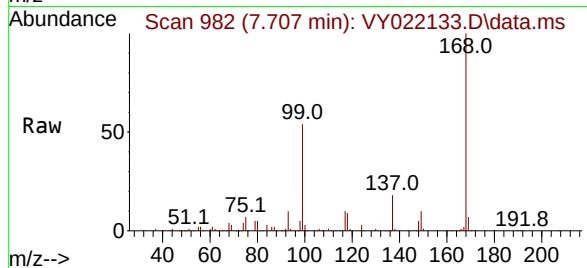




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

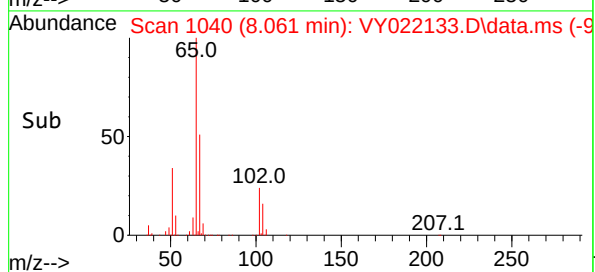
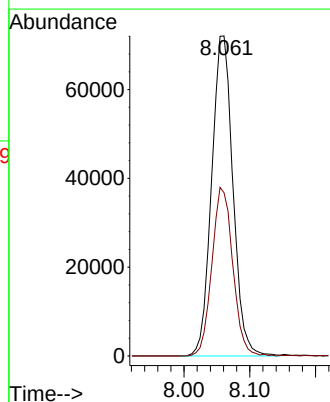
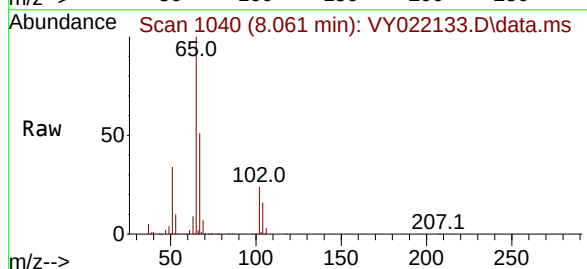
Instrument :
MSVOA_Y
ClientSampleId :
GB1B

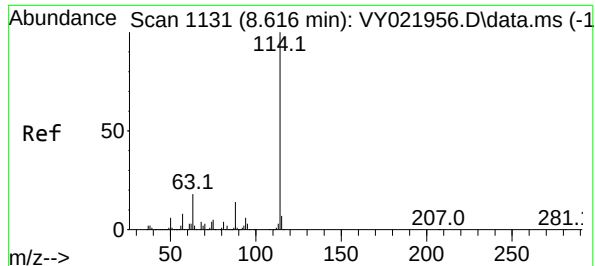
Tgt Ion:168 Resp: 318938
Ion Ratio Lower Upper
168 100
99 53.6 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 55.120 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022133.D
Acq: 02 May 2025 16:48

Tgt Ion: 65 Resp: 162382
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022133.D

Acq: 02 May 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

GB1B

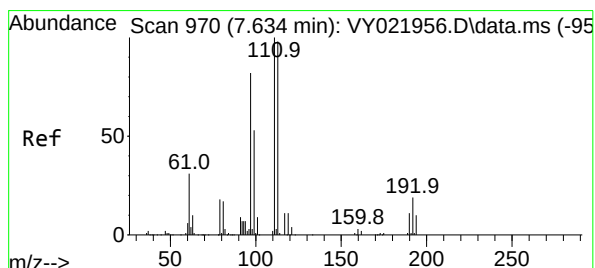
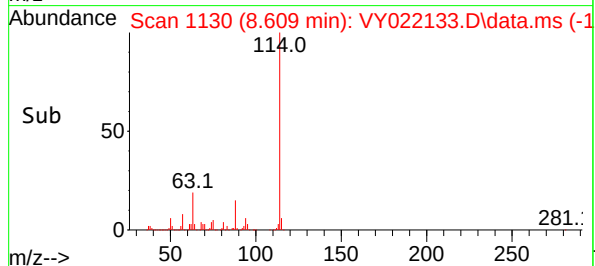
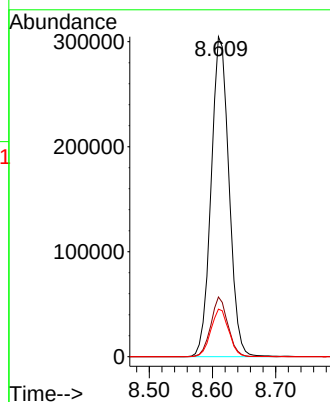
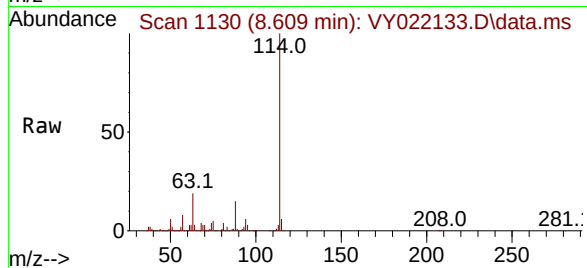
Tgt Ion:114 Resp: 597401

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.4

88 14.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.312 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022133.D

Acq: 02 May 2025 16:48

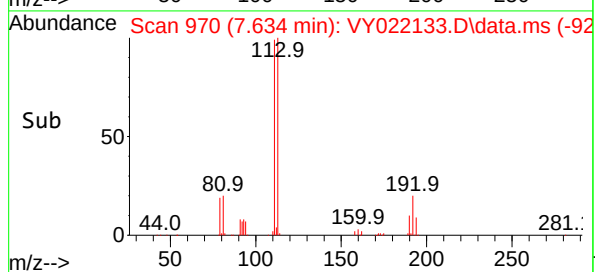
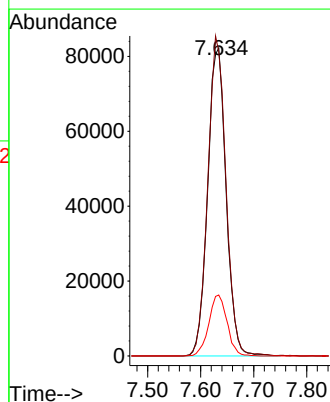
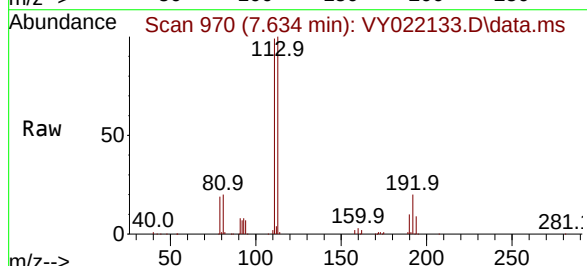
Tgt Ion:113 Resp: 198567

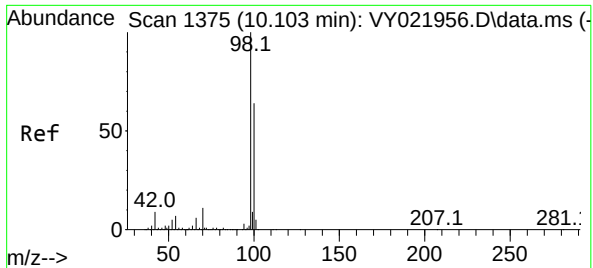
Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

192 19.6 15.6 23.4





#50

Toluene-d8

Concen: 48.702 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022133.D

Acq: 02 May 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

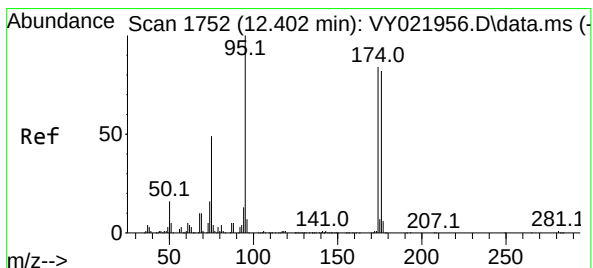
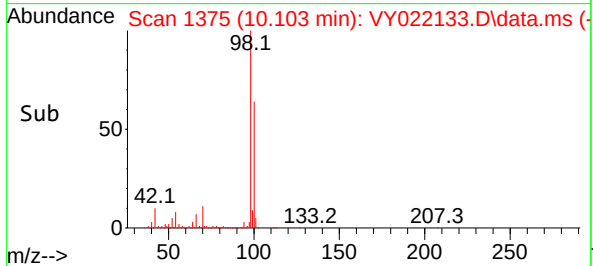
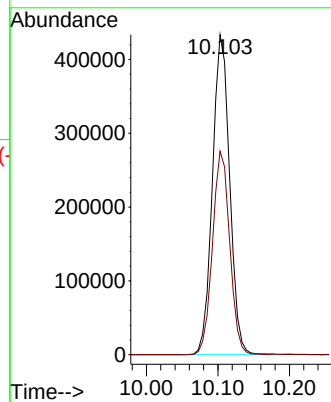
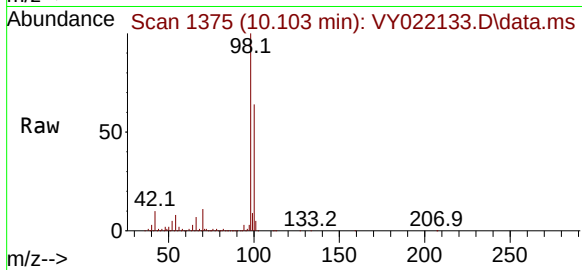
GB1B

Tgt Ion: 98 Resp: 724652

Ion Ratio Lower Upper

98 100

100 63.7 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 44.388 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY022133.D

Acq: 02 May 2025 16:48

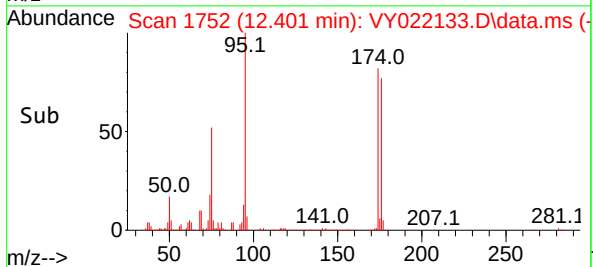
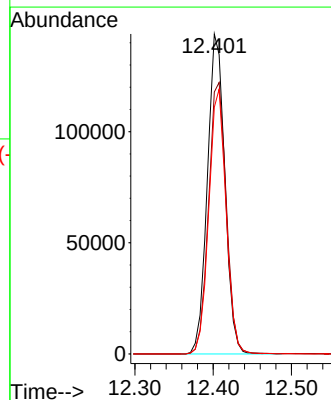
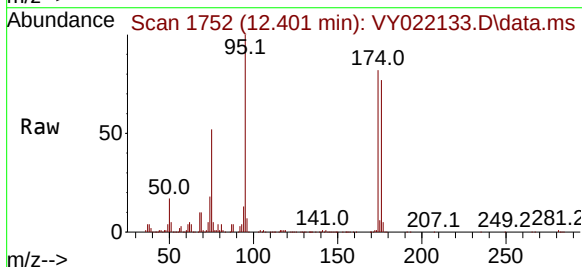
Tgt Ion: 95 Resp: 222338

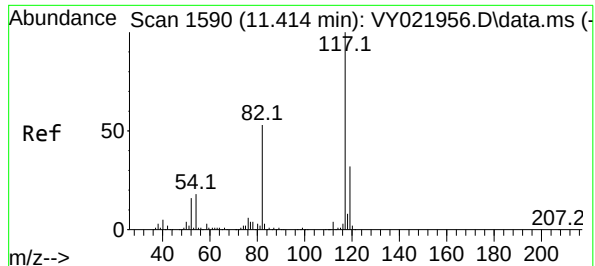
Ion Ratio Lower Upper

95 100

174 86.7 0.0 179.0

176 81.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022133.D

Acq: 02 May 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

GB1B

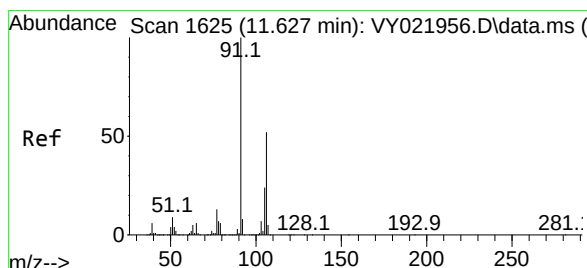
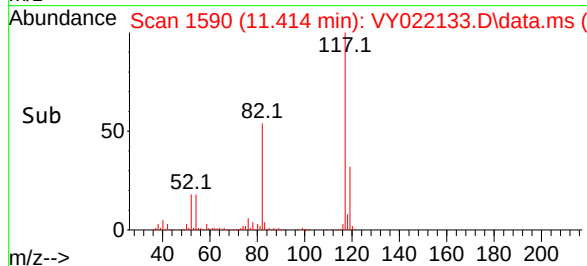
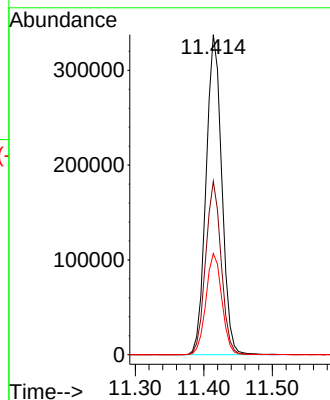
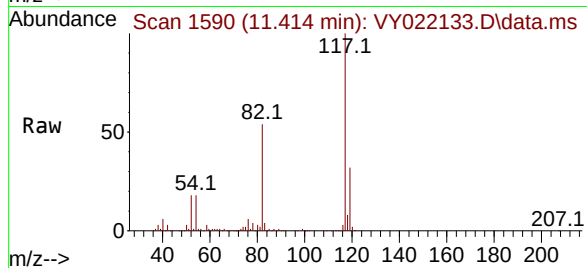
Tgt Ion:117 Resp: 540276

Ion Ratio Lower Upper

117 100

82 54.2 42.1 63.1

119 31.6 25.7 38.5



#68

m/p-Xylenes

Concen: 1.664 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.006 min

Lab File: VY022133.D

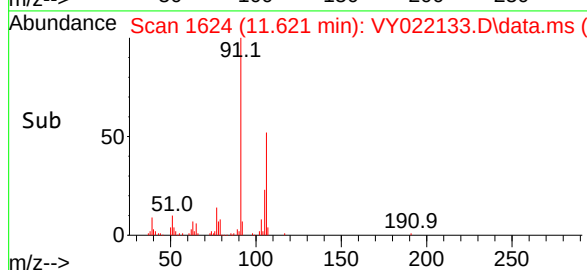
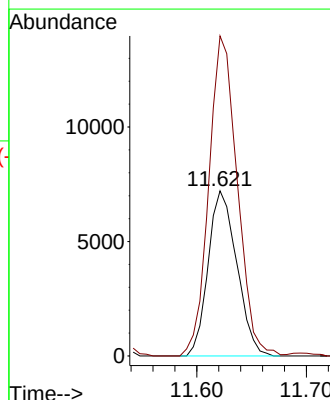
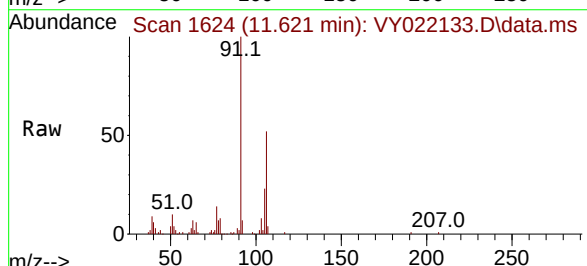
Acq: 02 May 2025 16:48

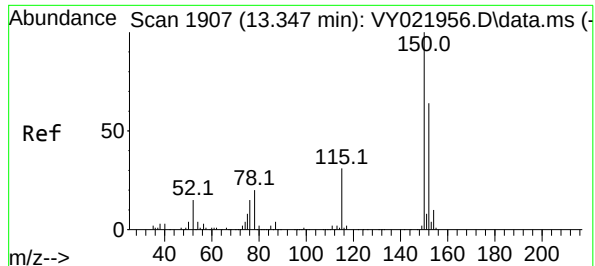
Tgt Ion:106 Resp: 13088

Ion Ratio Lower Upper

106 100

91 192.7 156.2 234.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022133.D

Acq: 02 May 2025 16:48

Instrument :

MSVOA_Y

ClientSampleId :

GB1B

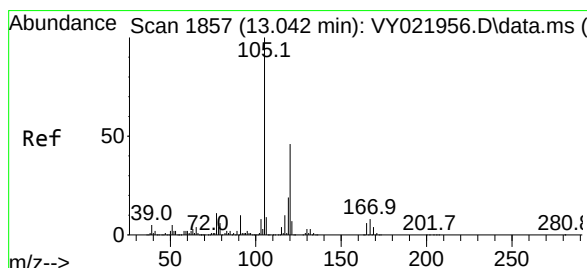
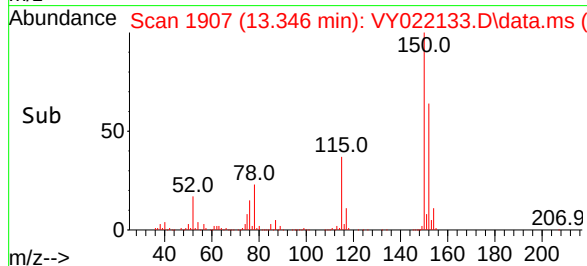
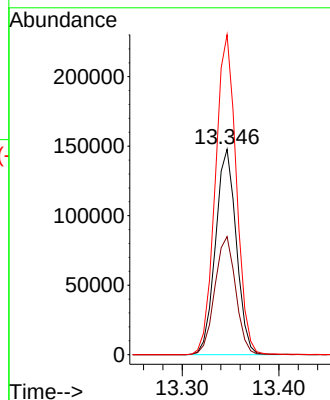
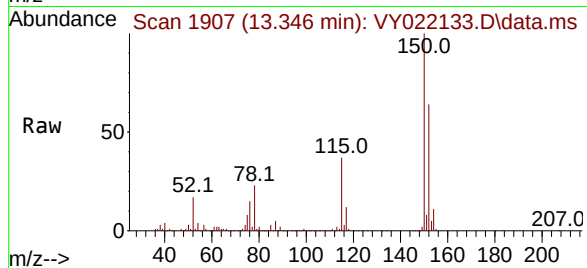
Tgt Ion:152 Resp: 220532

Ion Ratio Lower Upper

152 100

115 58.0 28.0 84.0

150 157.3 0.0 345.6



#84

1,2,4-Trimethylbenzene

Concen: 1.238 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022133.D

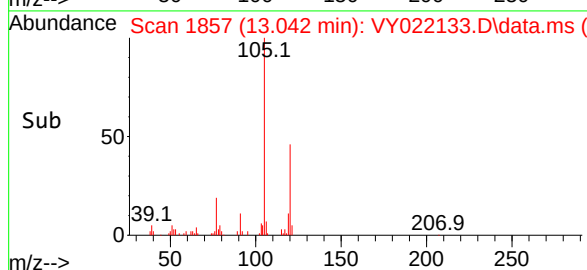
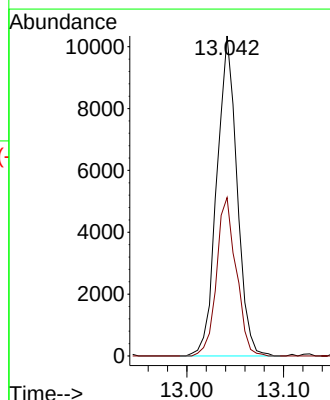
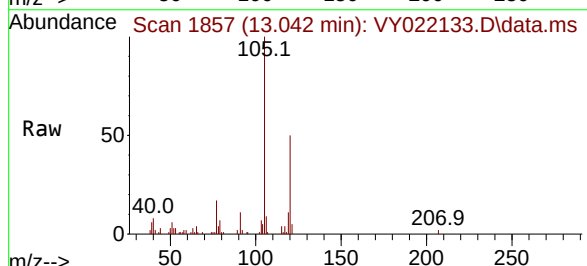
Acq: 02 May 2025 16:48

Tgt Ion:105 Resp: 15035

Ion Ratio Lower Upper

105 100

120 48.0 23.4 70.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022133.D
 Acq On : 02 May 2025 16:48
 Operator : SY/MD
 Sample : Q1939-02
 Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1B

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_Y\methods\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY022133.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	464	474	482	rBV3	13802	43688	2.37%	0.452%
2	7.628	958	969	975	rBV	272964	655395	35.56%	6.783%
3	7.707	975	982	995	rVB	407348	945120	51.27%	9.782%
4	8.061	1030	1040	1053	rBV	199376	450469	24.44%	4.662%
5	8.609	1121	1130	1144	rBV	681535	1338291	72.61%	13.851%
6	10.103	1367	1375	1383	rBV	1096036	1843243	100.00%	19.077%
7	10.170	1383	1386	1395	rVB2	13952	23252	1.26%	0.241%
8	11.414	1582	1590	1601	rBV	995673	1597329	86.66%	16.532%
9	11.511	1602	1606	1615	rVV	10541	19602	1.06%	0.203%
10	11.621	1617	1624	1633	rVB	41491	81171	4.40%	0.840%
11	11.950	1670	1678	1687	rBV2	17202	31203	1.69%	0.323%
12	12.401	1743	1752	1768	rVB	712077	1151672	62.48%	11.919%
13	12.657	1788	1794	1797	rBV	21067	34084	1.85%	0.353%
14	12.731	1802	1806	1813	rVB2	15690	26809	1.45%	0.277%
15	13.042	1850	1857	1862	rBV	29579	44910	2.44%	0.465%
16	13.346	1899	1907	1917	rBV	854086	1307976	70.96%	13.537%
17	13.883	1990	1995	2002	rVB	41145	67950	3.69%	0.703%

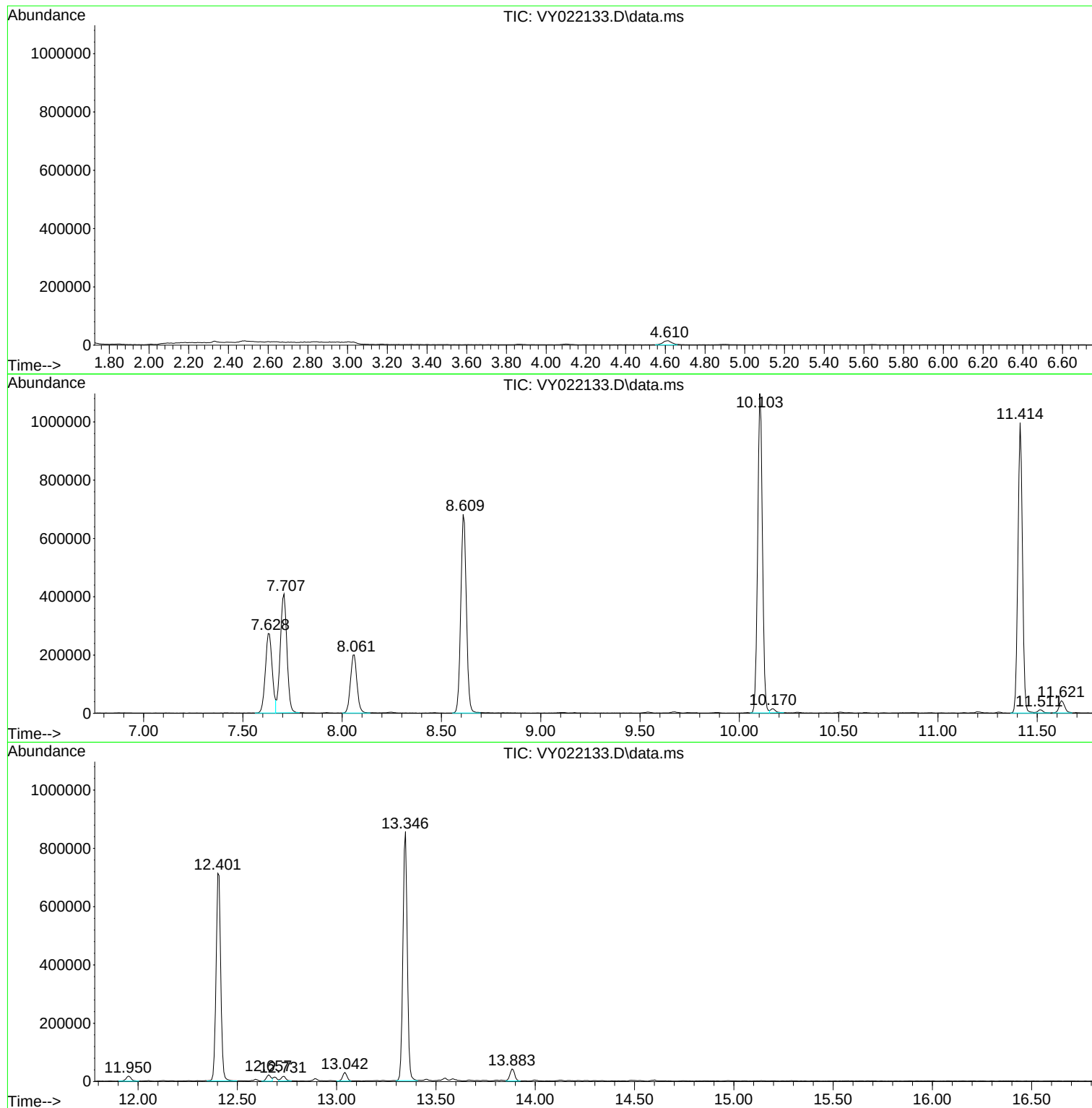
Sum of corrected areas: 9662164

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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_Y\Data\VY050225\
Data File : VY022133.D
Acq On : 02 May 2025 16:48
Operator : SY/MD
Sample : Q1939-02
Misc : 7.50g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB1B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2	SDG No.:	Q1939
Lab Sample ID:	Q1939-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086517.D	1		05/06/25 16:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	100	U	100	450	ug/Kg
74-87-3	Chloromethane	100	U	100	450	ug/Kg
75-01-4	Vinyl Chloride	70.7	U	70.7	450	ug/Kg
74-83-9	Bromomethane	95.8	U	95.8	450	ug/Kg
75-00-3	Chloroethane	110	U	110	450	ug/Kg
75-69-4	Trichlorofluoromethane	110	U	110	450	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	94.9	U	94.9	450	ug/Kg
75-35-4	1,1-Dichloroethene	89.5	U	89.5	450	ug/Kg
67-64-1	Acetone	420	U	420	2200	ug/Kg
75-15-0	Carbon Disulfide	94.9	U	94.9	450	ug/Kg
1634-04-4	Methyl tert-butyl Ether	65.4	U	65.4	450	ug/Kg
79-20-9	Methyl Acetate	360	J	140	450	ug/Kg
75-09-2	Methylene Chloride	320	U	320	900	ug/Kg
156-60-5	trans-1,2-Dichloroethene	77.0	U	77.0	450	ug/Kg
75-34-3	1,1-Dichloroethane	71.6	U	71.6	450	ug/Kg
110-82-7	Cyclohexane	70.7	U	70.7	450	ug/Kg
78-93-3	2-Butanone	590	U	590	2200	ug/Kg
56-23-5	Carbon Tetrachloride	86.8	U	86.8	450	ug/Kg
156-59-2	cis-1,2-Dichloroethene	67.1	U	67.1	450	ug/Kg
74-97-5	Bromochloromethane	100	U	100	450	ug/Kg
67-66-3	Chloroform	75.2	U	75.2	450	ug/Kg
71-55-6	1,1,1-Trichloroethane	83.3	U	83.3	450	ug/Kg
108-87-2	Methylcyclohexane	500		81.5	450	ug/Kg
71-43-2	Benzene	70.7	U	70.7	450	ug/Kg
107-06-2	1,2-Dichloroethane	70.7	U	70.7	450	ug/Kg
79-01-6	Trichloroethene	72.5	U	72.5	450	ug/Kg
78-87-5	1,2-Dichloropropane	81.5	U	81.5	450	ug/Kg
75-27-4	Bromodichloromethane	69.8	U	69.8	450	ug/Kg
108-10-1	4-Methyl-2-Pentanone	320	U	320	2200	ug/Kg
108-88-3	Toluene	69.8	U	69.8	450	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2	SDG No.:	Q1939
Lab Sample ID:	Q1939-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16	Units:	g
Soil Aliquot Vol:	100		uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086517.D	1		05/06/25 16:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	58.2	U	58.2	450	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	55.5	U	55.5	450	ug/Kg
79-00-5	1,1,2-Trichloroethane	82.4	U	82.4	450	ug/Kg
591-78-6	2-Hexanone	330	U	330	2200	ug/Kg
124-48-1	Dibromochloromethane	77.9	U	77.9	450	ug/Kg
106-93-4	1,2-Dibromoethane	78.8	U	78.8	450	ug/Kg
127-18-4	Tetrachloroethene	94.0	U	94.0	450	ug/Kg
108-90-7	Chlorobenzene	81.5	U	81.5	450	ug/Kg
100-41-4	Ethyl Benzene	60.0	U	60.0	450	ug/Kg
179601-23-1	m/p-Xylenes	120	J	110	900	ug/Kg
95-47-6	o-Xylene	73.4	U	73.4	450	ug/Kg
100-42-5	Styrene	63.6	U	63.6	450	ug/Kg
75-25-2	Bromoform	77.0	U	77.0	450	ug/Kg
98-82-8	Isopropylbenzene	69.8	U	69.8	450	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	110	U	110	450	ug/Kg
541-73-1	1,3-Dichlorobenzene	150	U	150	450	ug/Kg
106-46-7	1,4-Dichlorobenzene	140	U	140	450	ug/Kg
95-50-1	1,2-Dichlorobenzene	130	U	130	450	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	160	U	160	450	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	450	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	280	U	280	450	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	48.2	70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9	70 (70) - 130 (134)	114%	SPK: 50
2037-26-5	Toluene-d8	52.1	70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9	70 (38) - 130 (136)	100%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	146000	8.218
540-36-3	1,4-Difluorobenzene	276000	9.094
3114-55-4	Chlorobenzene-d5	271000	11.865
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.788

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2	SDG No.:	Q1939
Lab Sample ID:	Q1939-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086517.D	1		05/06/25 16:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
97-63-2	Ethyl methacrylate	140	J		10.9	ug/Kg
004923-78-8	Cyclohexane, 1-ethyl-2-methyl-, tr	2300	J		12.4	ug/Kg
005911-04-6	Nonane, 3-methyl-	1800	J		12.5	ug/Kg
014676-29-0	Heptane, 3-ethyl-2-methyl-	5000	J		12.6	ug/Kg
002216-32-2	Heptane, 4-ethyl-	1900	J		12.7	ug/Kg
002040-95-1	Cyclopentane, butyl-	1300	J		13.0	ug/Kg
95-49-8	2-Chlorotoluene	870	J		13.1	ug/Kg
106-43-4	4-Chlorotoluene	500	J		13.2	ug/Kg
017302-28-2	Nonane, 2,6-dimethyl-	2000	J		13.4	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	140	J		13.5	ug/Kg
135-98-8	sec-Butylbenzene	110	J		13.6	ug/Kg
001678-93-9	Cyclohexane, butyl-	1700	J		13.7	ug/Kg
000091-17-8	Naphthalene, decahydro-	1700	J		14.1	ug/Kg
061208-94-4	Cyclohexane, (1-methylbutyl)-	1300	J		14.6	ug/Kg
032768-54-0	Benzene, 1,2-dichloro-3-methyl-	1500	J		14.8	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	1500	J		15.0	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	2400	J		15.1	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	1700	J		15.9	ug/Kg
031295-56-4	Dodecane, 2,6,11-trimethyl-	1400	J		16.6	ug/Kg
000090-12-0	Naphthalene, 1-methyl-	1200	J		16.8	ug/Kg

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\VN050625\
 Data File : VN086517.D
 Acq On : 06 May 2025 16:11
 Operator : JC\MD
 Sample : Q1939-03
 Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB2

Quant Time: May 07 02:56:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

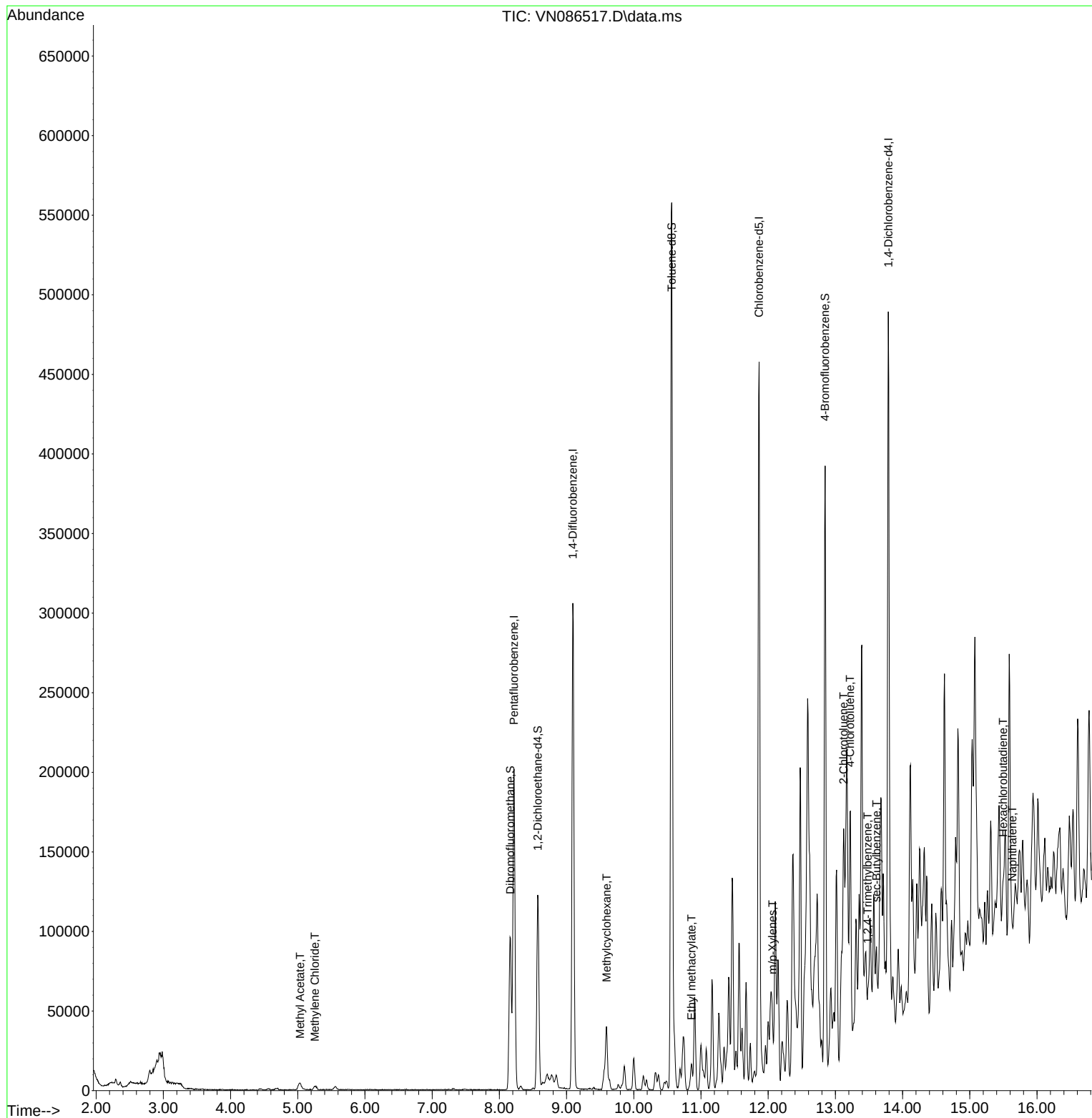
Internal Standards						
1) Pentafluorobenzene	8.218	168	146112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	275620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119869	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	102195	48.234	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.460%
35) Dibromofluoromethane	8.165	113	72813	56.921	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.840%
50) Toluene-d8	10.565	98	356510	52.147	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.300%
62) 4-Bromofluorobenzene	12.847	95	124373	49.877	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.760%
Target Compounds						
					Qvalue	
18) Methyl Acetate	5.036	43	10297	4.049	ug/l	90
20) Methylene Chloride	5.253	84	1964	1.003	ug/l #	89
39) Methylcyclohexane	9.594	83	16815	5.537	ug/l	94
56) Ethyl methacrylate	10.859	69	5289	1.566	ug/l #	86
68) m/p-Xylenes	12.065	106	5374	1.314	ug/l	88
79) 2-Chlorotoluene	13.123	91	70464	9.746	ug/l	99
82) 4-Chlorotoluene	13.217	91	39744	5.534	ug/l	93
84) 1,2,4-Trimethylbenzene	13.482	105	13040	1.596	ug/l	98
85) sec-Butylbenzene	13.611	105	12216	1.266	ug/l #	76
94) Hexachlorobutadiene	15.494	225	781	1.091	ug/l	92
95) Naphthalene	15.635	128	12987	1.932	ug/l	96

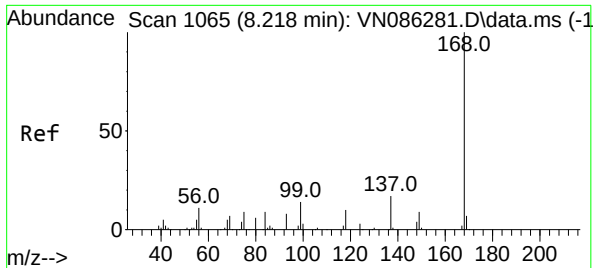
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Time: May 07 02:56:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

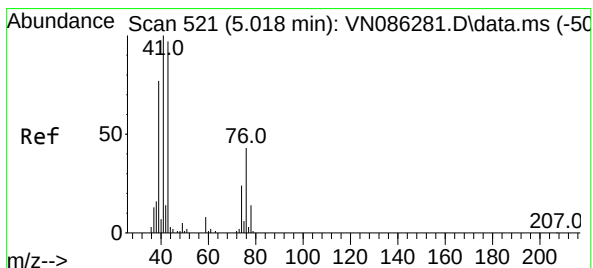
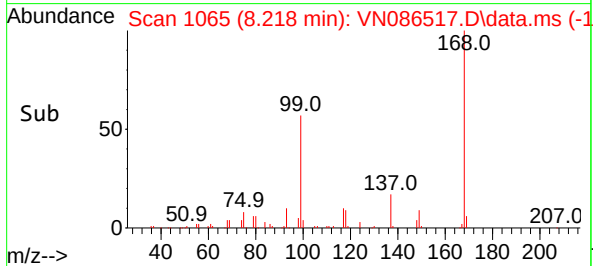
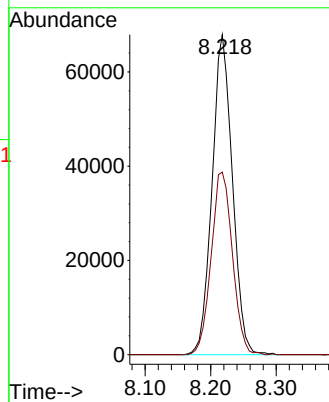
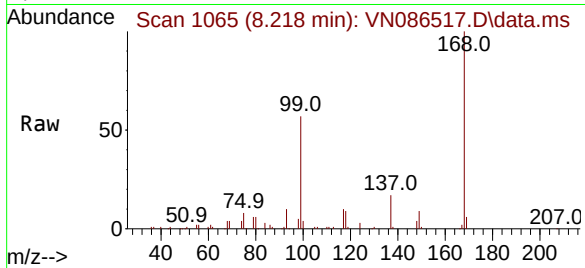




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

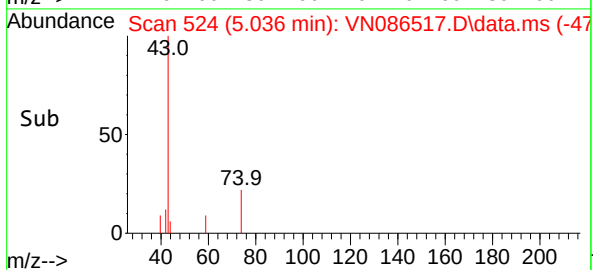
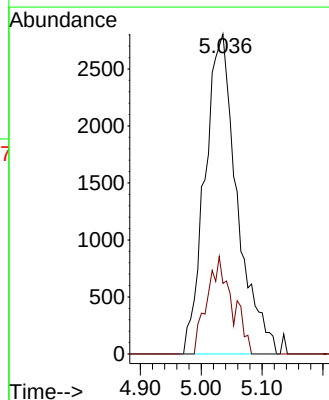
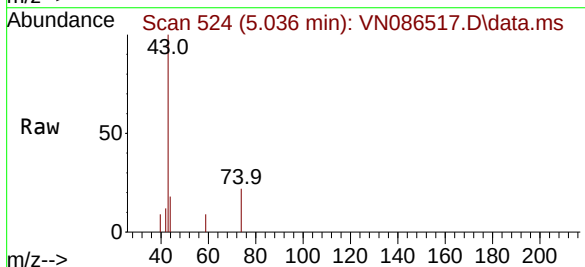
Instrument :
MSVOA_N
ClientSampleId :
GB2

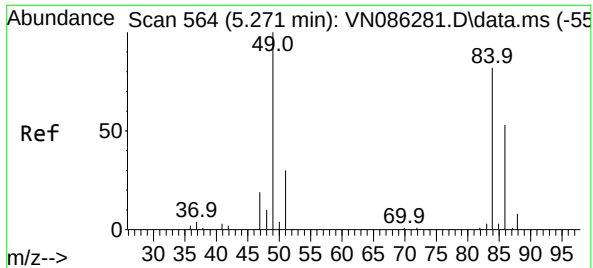
Tgt Ion:168 Resp: 146112
Ion Ratio Lower Upper
168 100
99 57.1 52.5 78.7



#18
Methyl Acetate
Concen: 4.049 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.017 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 43 Resp: 10297
Ion Ratio Lower Upper
43 100
74 19.8 19.8 29.6





#20

Methylene Chloride

Concen: 1.003 ug/l

RT: 5.253 min Scan# 5

Delta R.T. -0.018 min

Lab File: VN086517.D

Acq: 06 May 2025 16:11

Instrument :

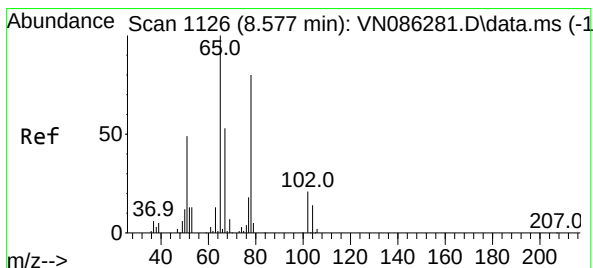
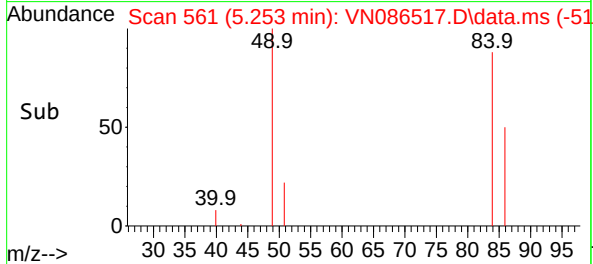
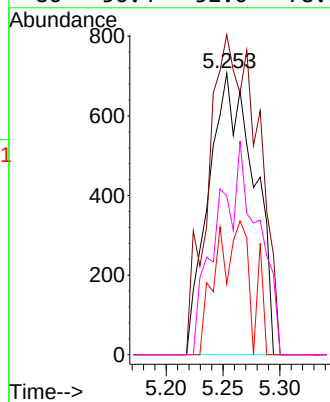
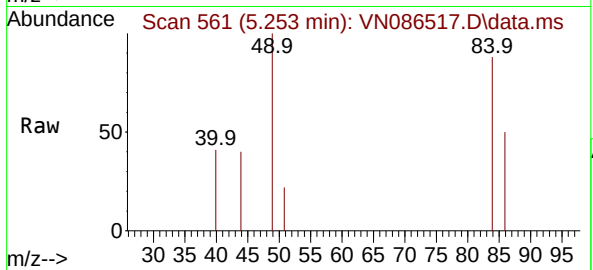
MSVOA_N

ClientSampleId :

GB2

Tgt Ion: 84 Resp: 1964

Ion	Ratio	Lower	Upper
84	100		
49	113.7	98.2	147.2
51	25.2	29.8	44.6#
86	56.4	52.0	78.0



#33

1,2-Dichloroethane-d4

Concen: 48.234 ug/l

RT: 8.571 min Scan# 1125

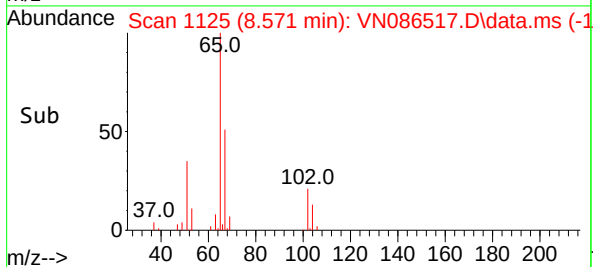
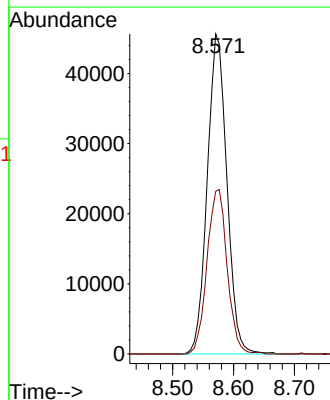
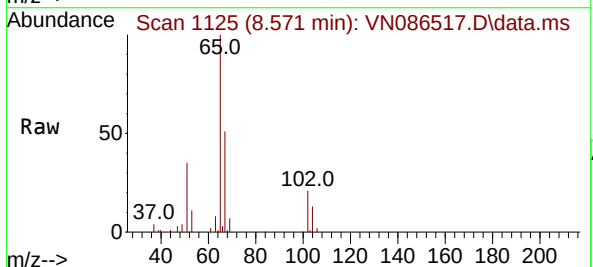
Delta R.T. -0.006 min

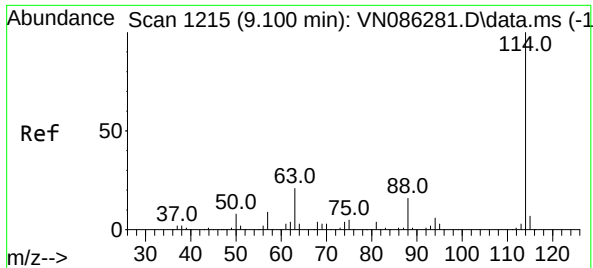
Lab File: VN086517.D

Acq: 06 May 2025 16:11

Tgt Ion: 65 Resp: 102195

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086517.D

Acq: 06 May 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

GB2

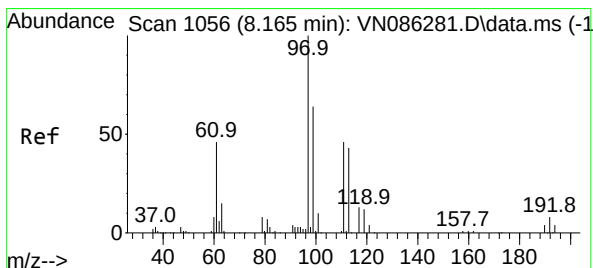
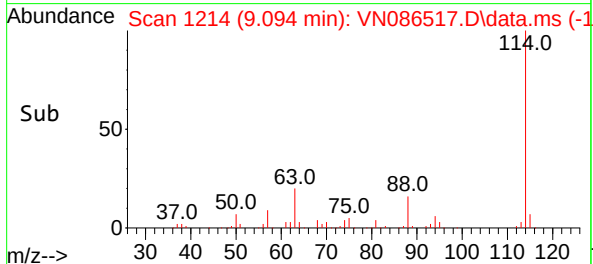
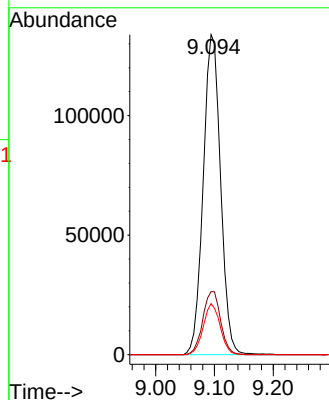
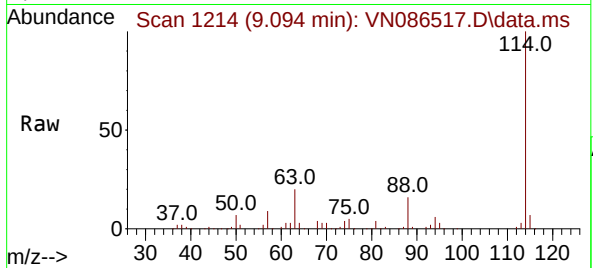
Tgt Ion:114 Resp: 275620

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 16.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.921 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086517.D

Acq: 06 May 2025 16:11

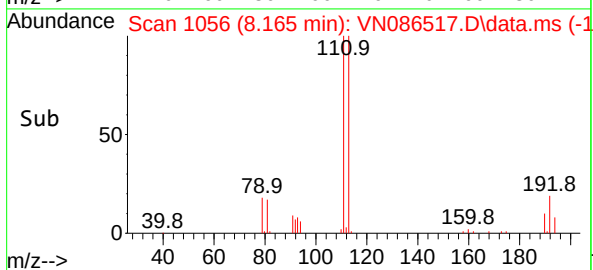
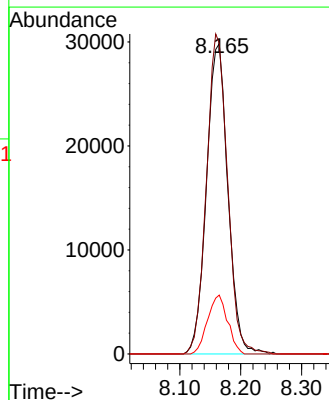
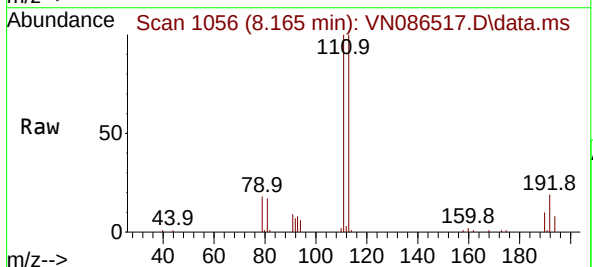
Tgt Ion:113 Resp: 72813

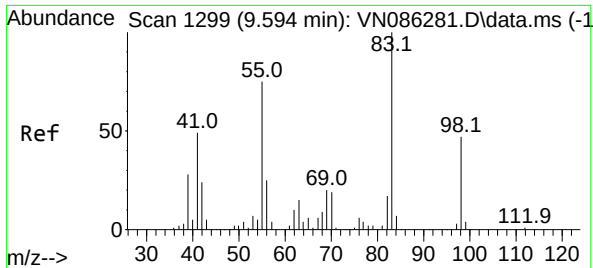
Ion Ratio Lower Upper

113 100

111 101.3 83.4 125.0

192 17.8 13.7 20.5





#39

Methylcyclohexane

Concen: 5.537 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. -0.000 min

Lab File: VN086517.D

Acq: 06 May 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

GB2

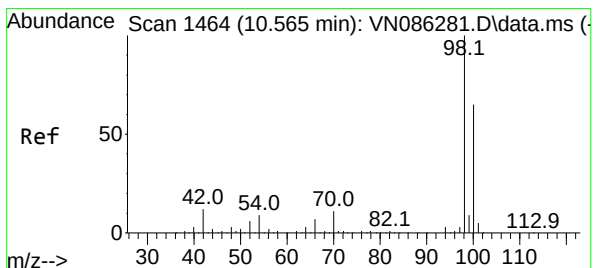
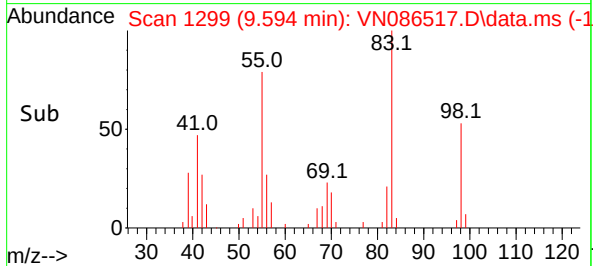
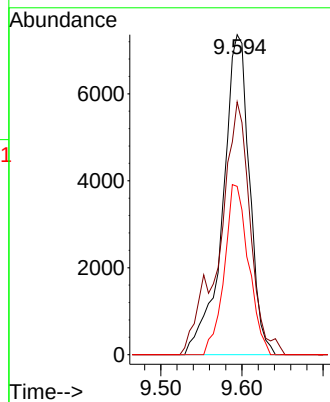
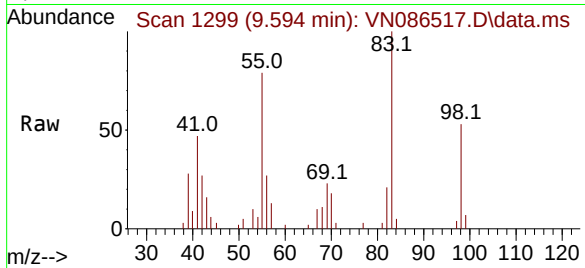
Tgt Ion: 83 Resp: 16815

Ion Ratio Lower Upper

83 100

55 79.0 59.8 89.8

98 52.6 37.9 56.9



#50

Toluene-d8

Concen: 52.147 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086517.D

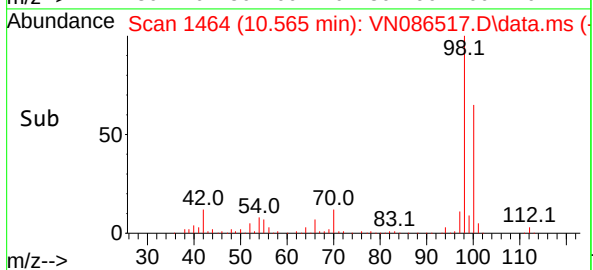
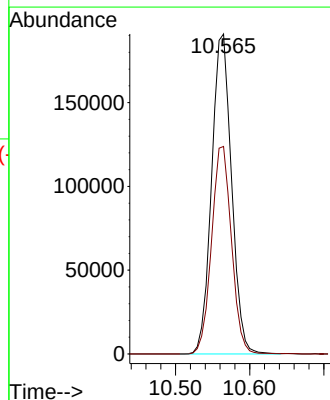
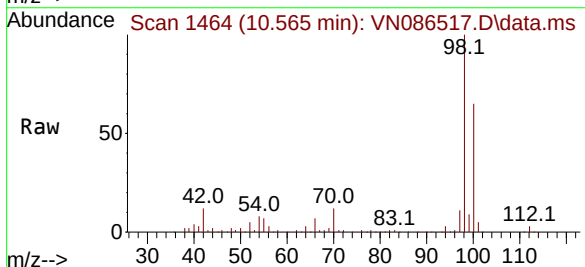
Acq: 06 May 2025 16:11

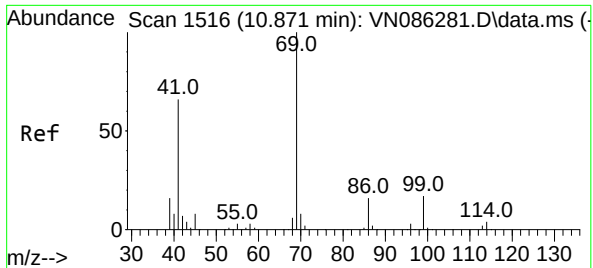
Tgt Ion: 98 Resp: 356510

Ion Ratio Lower Upper

98 100

100 64.8 52.5 78.7

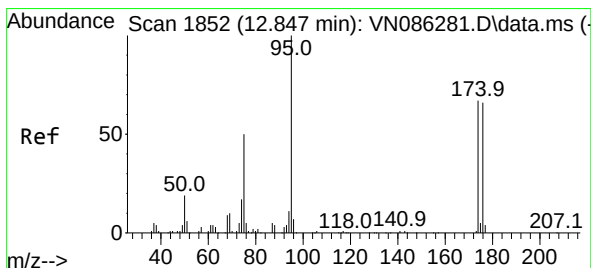
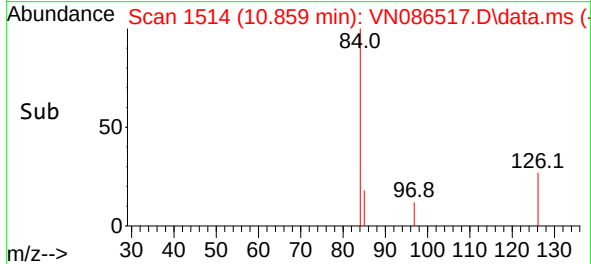
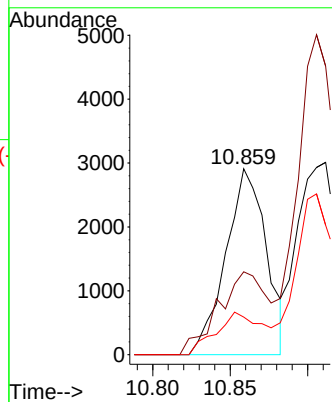
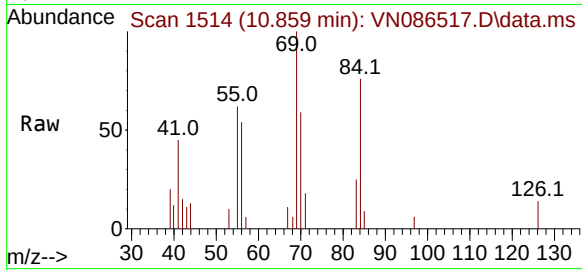




#56
Ethyl methacrylate
Concen: 1.566 ug/l
RT: 10.859 min Scan# 1516
Delta R.T. -0.012 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

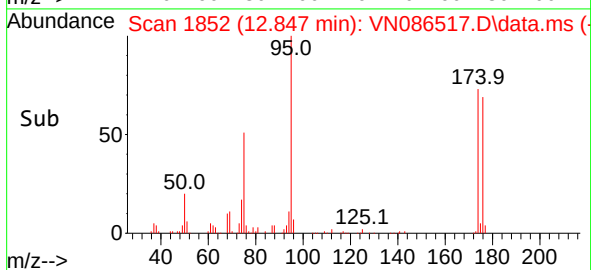
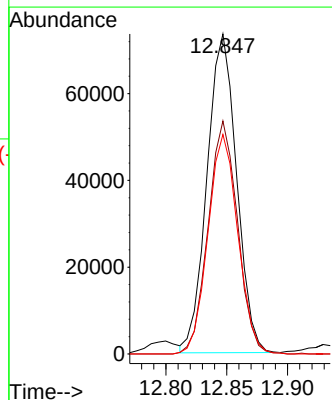
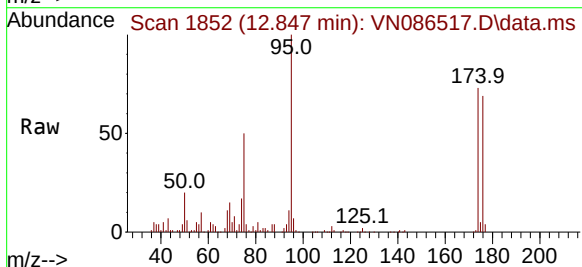
Instrument :
MSVOA_N
ClientSampleId :
GB2

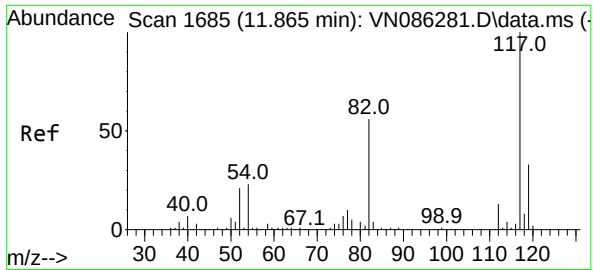
Tgt Ion: 69 Resp: 5289
Ion Ratio Lower Upper
69 100
41 52.8 51.7 77.5
39 26.2 26.3 39.5#



#62
4-Bromofluorobenzene
Concen: 49.877 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 95 Resp: 124373
Ion Ratio Lower Upper
95 100
174 72.5 0.0 133.4
176 69.4 0.0 129.2

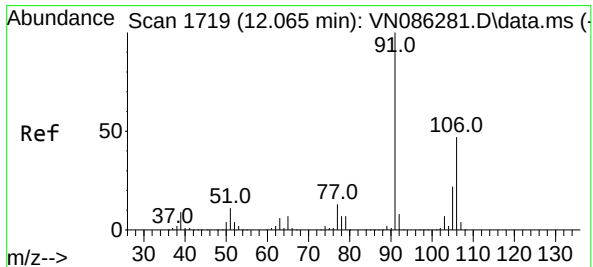
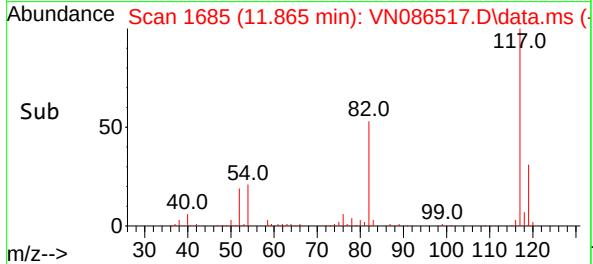
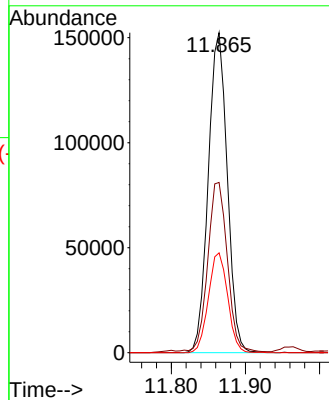
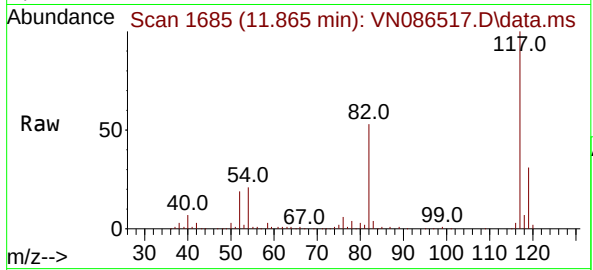




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

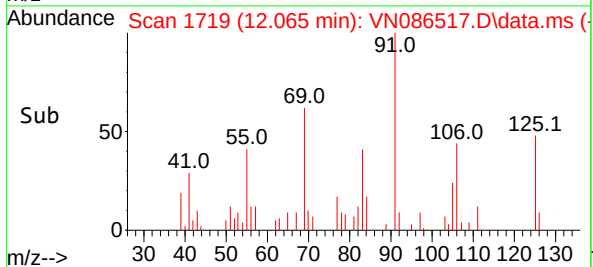
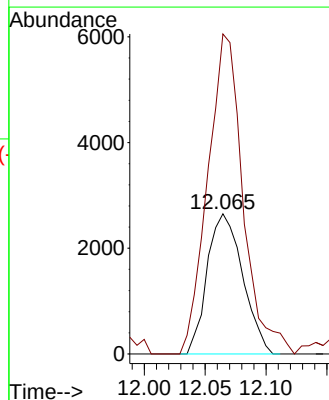
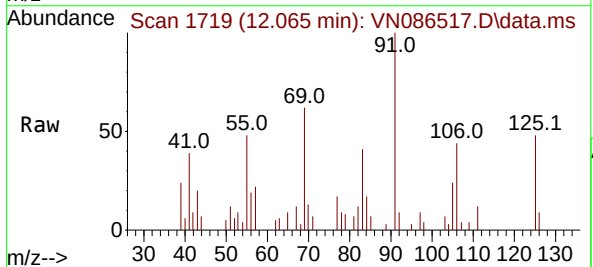
Instrument :
MSVOA_N
ClientSampleId :
GB2

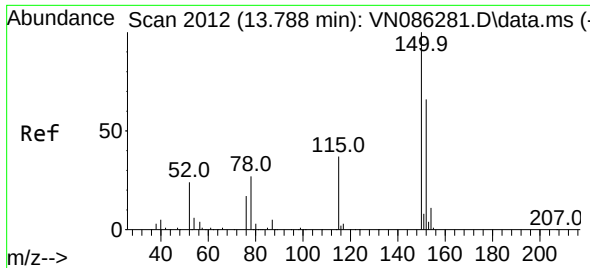
Tgt Ion:117 Resp: 271043
Ion Ratio Lower Upper
117 100
82 52.6 44.7 67.1
119 31.2 26.4 39.6



#68
m/p-Xylenes
Concen: 1.314 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion:106 Resp: 5374
Ion Ratio Lower Upper
106 100
91 227.0 166.5 249.7

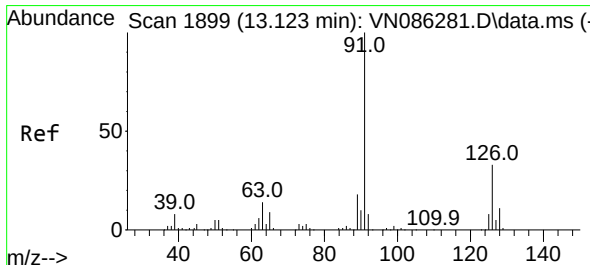
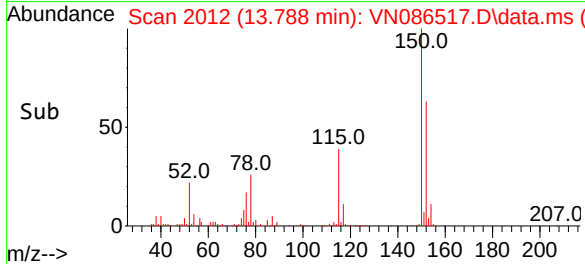
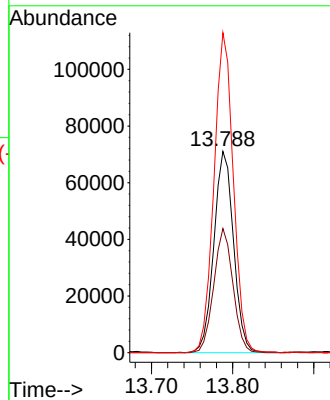
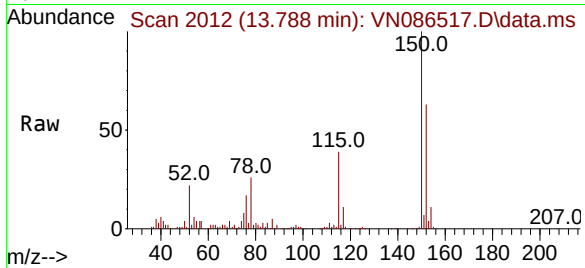




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

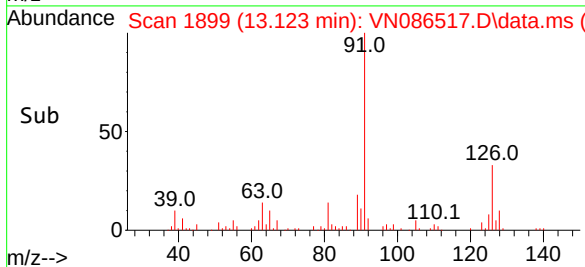
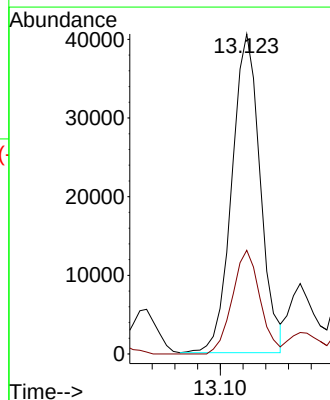
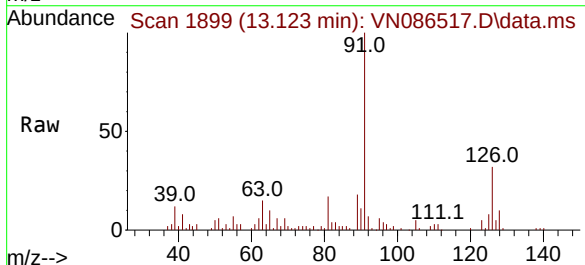
Instrument :
MSVOA_N
ClientSampleId :
GB2

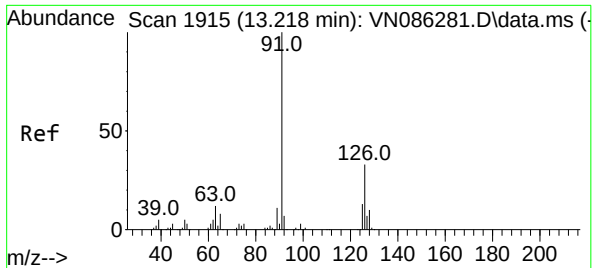
Tgt Ion:152 Resp: 119869
Ion Ratio Lower Upper
152 100
115 60.0 31.9 95.9
150 156.1 0.0 352.0



#79
2-Chlorotoluene
Concen: 9.746 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 91 Resp: 70464
Ion Ratio Lower Upper
91 100
126 31.7 16.1 48.2

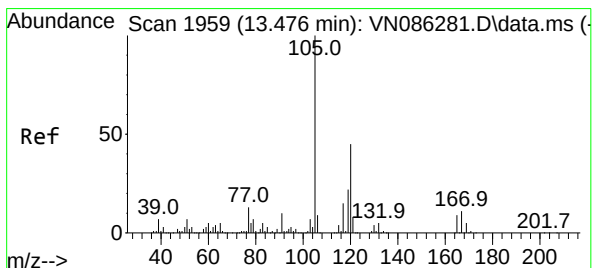
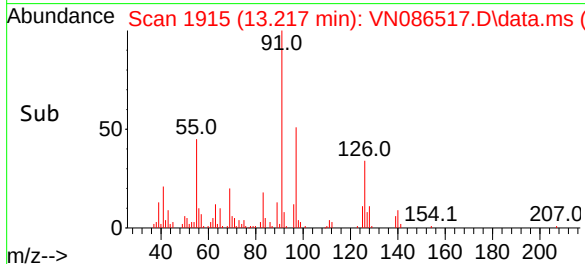
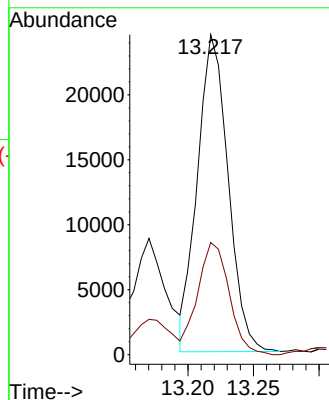
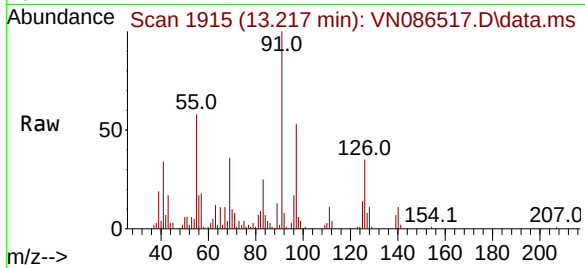




#82
4-Chlorotoluene
Concen: 5.534 ug/l
RT: 13.217 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

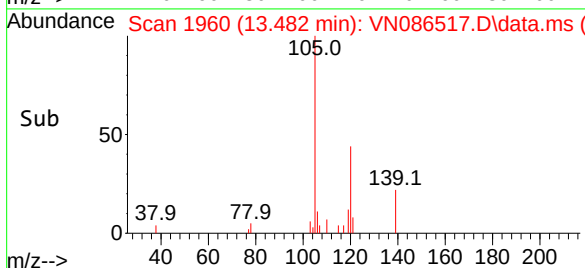
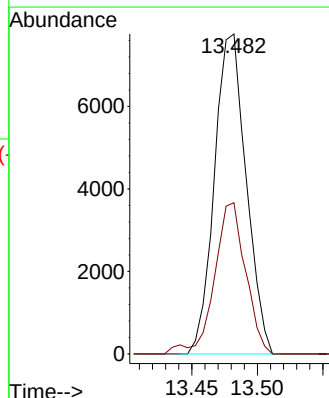
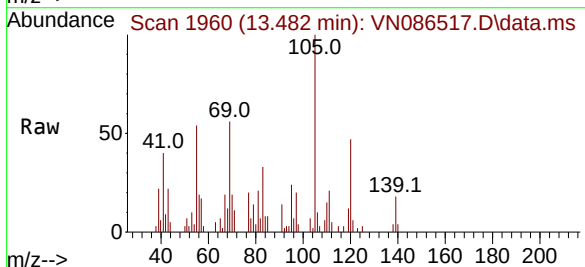
Instrument :
MSVOA_N
ClientSampleId :
GB2

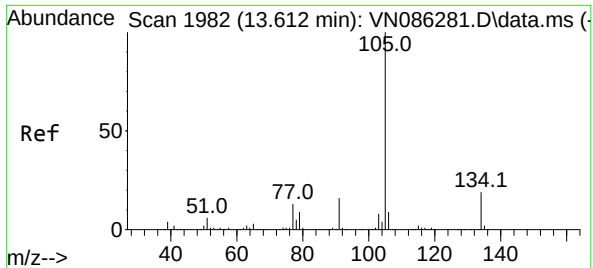
Tgt Ion: 91 Resp: 39744
Ion Ratio Lower Upper
91 100
126 36.3 16.2 48.6



#84
1,2,4-Trimethylbenzene
Concen: 1.596 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086517.D
Acq: 06 May 2025 16:11

Tgt Ion: 105 Resp: 13040
Ion Ratio Lower Upper
105 100
120 46.4 22.4 67.3

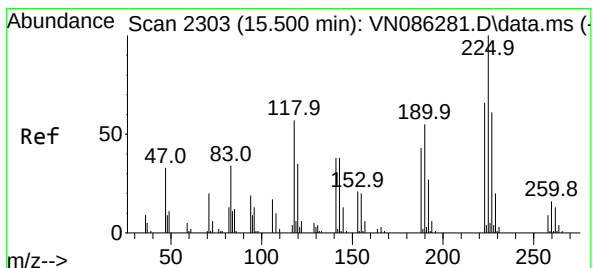
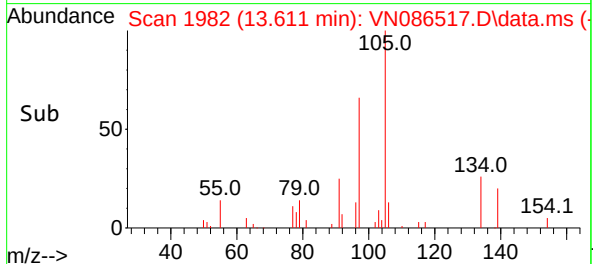
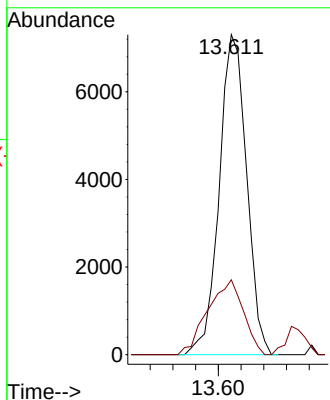
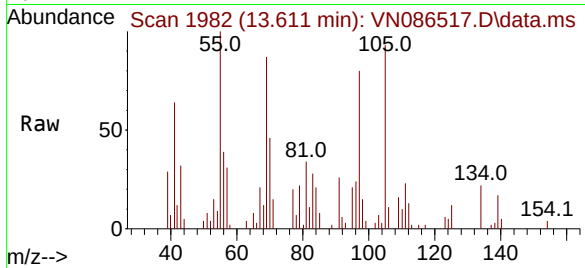




#85
 sec-Butylbenzene
 Concen: 1.266 ug/l
 RT: 13.611 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086517.D
 Acq: 06 May 2025 16:11

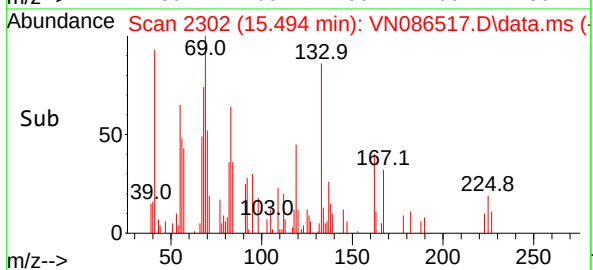
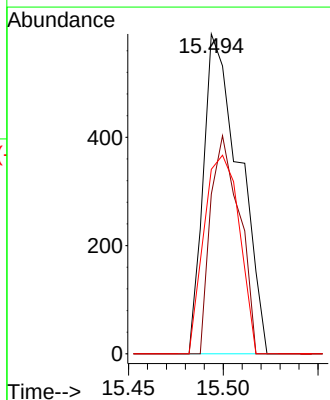
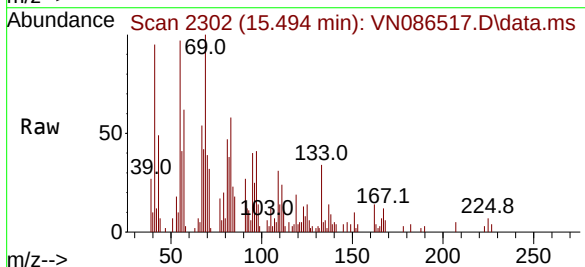
Instrument :
 MSVOA_N
 ClientSampleId :
 GB2

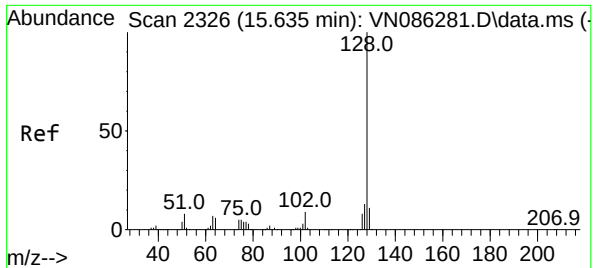
Tgt Ion:105 Resp: 12216
 Ion Ratio Lower Upper
 105 100
 134 30.5 9.7 29.1#



#94
 Hexachlorobutadiene
 Concen: 1.091 ug/l
 RT: 15.494 min Scan# 2302
 Delta R.T. -0.006 min
 Lab File: VN086517.D
 Acq: 06 May 2025 16:11

Tgt Ion:225 Resp: 781
 Ion Ratio Lower Upper
 225 100
 223 55.1 32.8 98.3
 227 61.2 31.4 94.0





#95

Naphthalene

Concen: 1.932 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086517.D

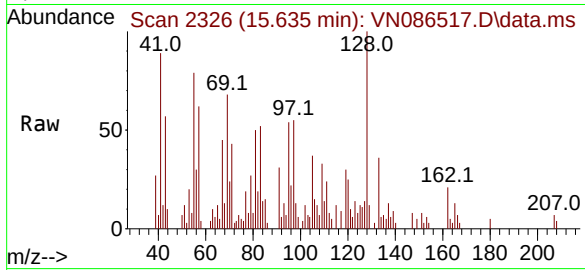
Acq: 06 May 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

GB2



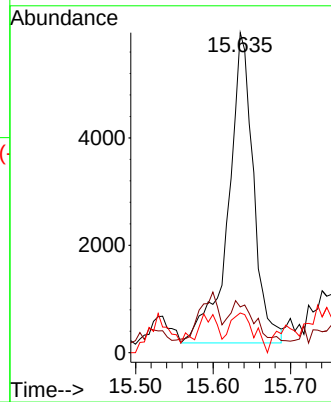
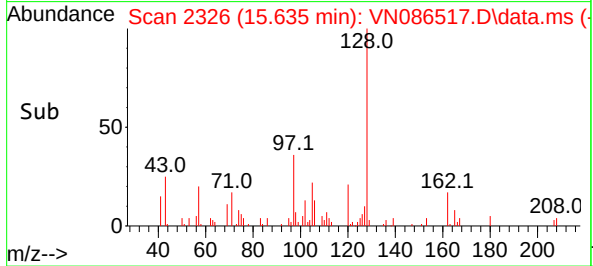
Tgt Ion:128 Resp: 12987

Ion Ratio Lower Upper

128 100

127 11.5 10.2 15.4

129 12.4 8.6 13.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086517.D
 Acq On : 06 May 2025 16:11
 Operator : JC\MD
 Sample : Q1939-03
 Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB2

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\82N041525W.M
 Title : SW846 8260

Signal : TIC: VN086517.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.800	136	144	147	rBV3	7505	17112	1.56%	0.110%
2	5.030	516	523	540	rVB3	4259	14613	1.33%	0.094%
3	8.159	1045	1055	1060	rBV	95850	235288	21.49%	1.509%
4	8.218	1060	1065	1077	rVB	201222	429203	39.21%	2.753%
5	8.571	1116	1125	1133	rBV	121996	274168	25.05%	1.758%
6	8.712	1142	1149	1155	rBV6	5893	17203	1.57%	0.110%
7	8.776	1157	1160	1166	rVV4	6758	15798	1.44%	0.101%
8	8.847	1167	1172	1181	rVB4	8123	18727	1.71%	0.120%
9	9.094	1206	1214	1226	rBV	305120	623333	56.94%	3.998%
10	9.594	1286	1299	1314	rBV5	39777	113743	10.39%	0.729%
11	9.859	1334	1344	1353	rVB4	14857	34431	3.15%	0.221%
12	10.000	1360	1368	1375	rBV3	19680	38485	3.52%	0.247%
13	10.141	1387	1392	1397	rBV2	8662	16663	1.52%	0.107%
14	10.323	1417	1423	1427	rBV2	10815	24025	2.19%	0.154%
15	10.365	1427	1430	1440	rVB2	9510	17125	1.56%	0.110%
16	10.565	1456	1464	1478	rBV	556289	1094659	100.00%	7.021%
17	10.688	1480	1485	1488	rBV4	11749	19988	1.83%	0.128%
18	10.741	1488	1494	1502	rVB4	33331	83607	7.64%	0.536%
19	10.859	1506	1514	1517	rBV3	15963	33271	3.04%	0.213%
20	10.906	1517	1522	1530	rVB	58202	108823	9.94%	0.698%
21	11.000	1531	1538	1548	rBV6	27928	79258	7.24%	0.508%
22	11.076	1548	1551	1558	rVB3	25009	40926	3.74%	0.262%
23	11.165	1558	1566	1573	rBV	68643	125743	11.49%	0.806%
24	11.265	1573	1583	1592	rBV	46986	112487	10.28%	0.721%
25	11.347	1592	1597	1600	rBV4	21882	38092	3.48%	0.244%
26	11.412	1600	1608	1612	rVV	58621	113308	10.35%	0.727%
27	11.465	1612	1617	1623	rVB	120591	222053	20.29%	1.424%
28	11.517	1623	1626	1630	rBV2	11723	15910	1.45%	0.102%
29	11.565	1630	1634	1639	rVV	77915	127925	11.69%	0.820%
30	11.612	1639	1642	1647	rVB3	32185	48744	4.45%	0.313%
31	11.670	1647	1652	1658	rVB	61322	101204	9.25%	0.649%
32	11.735	1658	1663	1668	rVB	24441	36061	3.29%	0.231%
33	11.800	1668	1674	1676	rBV6	6777	12696	1.16%	0.081%
34	11.865	1677	1685	1697	rBV	448058	820332	74.94%	5.261%
35	11.959	1697	1701	1704	rBV4	17147	23985	2.19%	0.154%
36	12.000	1704	1708	1711	rBV2	26776	42445	3.88%	0.272%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086517.D
 Acq On : 06 May 2025 16:11
 Operator : JC\MD
 Sample : Q1939-03
 Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB2

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\82N041525W.M
 Title : SW846 8260

37	12.041	1711	1715	1721	rVV6	41918	104485	9.54%	0.670%
38	12.106	1721	1726	1730	rVV	98122	170569	15.58%	1.094%
39	12.147	1730	1733	1739	rVB3	75691	125437	11.46%	0.804%
40	12.206	1739	1743	1751	rBV3	24629	63721	5.82%	0.409%
41	12.282	1751	1756	1763	rVB4	47615	93924	8.58%	0.602%
42	12.370	1763	1771	1782	rBV6	139208	416326	38.03%	2.670%
43	12.476	1783	1789	1794	rVB	188828	336389	30.73%	2.157%
44	12.588	1794	1808	1821	rBV4	232233	912310	83.34%	5.851%
45	12.729	1821	1832	1841	rVB8	95566	346905	31.69%	2.225%
46	12.847	1846	1852	1859	rVB	376450	628695	57.43%	4.032%
47	12.935	1859	1867	1870	rBV5	48185	103106	9.42%	0.661%
48	13.017	1876	1881	1887	rVB4	119650	223193	20.39%	1.431%
49	13.123	1887	1899	1902	rBV2	145631	403834	36.89%	2.590%
50	13.170	1902	1907	1912	rVV3	173993	404493	36.95%	2.594%
51	13.223	1912	1916	1922	rVB3	137937	229224	20.94%	1.470%
52	13.306	1925	1930	1934	rBV4	65479	113490	10.37%	0.728%
53	13.353	1934	1938	1940	rVV3	60408	78674	7.19%	0.505%
54	13.394	1940	1945	1951	rVB	208548	336090	30.70%	2.156%
55	13.517	1963	1966	1971	rVB2	46466	64611	5.90%	0.414%
56	13.570	1971	1975	1979	rVV3	62231	93118	8.51%	0.597%
57	13.611	1979	1982	1986	rVV3	29966	41030	3.75%	0.263%
58	13.676	1986	1993	1997	rVV4	124590	282793	25.83%	1.814%
59	13.711	1997	1999	2003	rVV2	77668	106339	9.71%	0.682%
60	13.788	2006	2012	2020	rVV	432351	762064	69.62%	4.888%
61	13.853	2020	2023	2030	rVB5	28438	55151	5.04%	0.354%
62	13.935	2031	2037	2041	rBV7	44198	85541	7.81%	0.549%
63	14.117	2061	2068	2071	rBV3	149299	292308	26.70%	1.875%
64	14.211	2080	2084	2087	rBV3	54385	82422	7.53%	0.529%
65	14.253	2087	2091	2096	rVV4	72042	140178	12.81%	0.899%
66	14.323	2100	2103	2107	rVV	65400	106671	9.74%	0.684%
67	14.358	2107	2109	2115	rVB	86189	125404	11.46%	0.804%
68	14.435	2116	2122	2127	rBV4	67933	138238	12.63%	0.887%
69	14.494	2128	2132	2138	rVB6	47368	82568	7.54%	0.530%
70	14.576	2142	2146	2149	rBV3	50391	90884	8.30%	0.583%
71	14.623	2149	2154	2158	rBV3	155420	229340	20.95%	1.471%
72	14.729	2168	2172	2175	rBV4	44106	67424	6.16%	0.432%
73	14.788	2179	2182	2185	rVV2	84466	145414	13.28%	0.933%
74	14.823	2185	2188	2195	rVB	144133	258228	23.59%	1.656%
75	15.035	2219	2224	2227	rBV4	128417	251903	23.01%	1.616%
76	15.076	2227	2231	2241	rVB2	181618	404378	36.94%	2.594%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

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\82N041525W.M
Title : SW846 8260

77	15.223	2253	2256	2259	rVB4	26810	30928	2.83%	0.198%
78	15.264	2259	2263	2266	rBV4	34033	53228	4.86%	0.341%
79	15.311	2267	2271	2276	rVB5	71697	122223	11.17%	0.784%
80	15.588	2313	2318	2327	rBV	175483	305988	27.95%	1.962%
81	15.941	2370	2378	2385	rBV8	89442	293463	26.81%	1.882%
82	16.011	2387	2390	2400	rVB8	67583	155718	14.23%	0.999%
83	16.605	2486	2491	2500	rVB	115019	235623	21.52%	1.511%
84	16.776	2514	2520	2522	rBV2	111178	206453	18.86%	1.324%

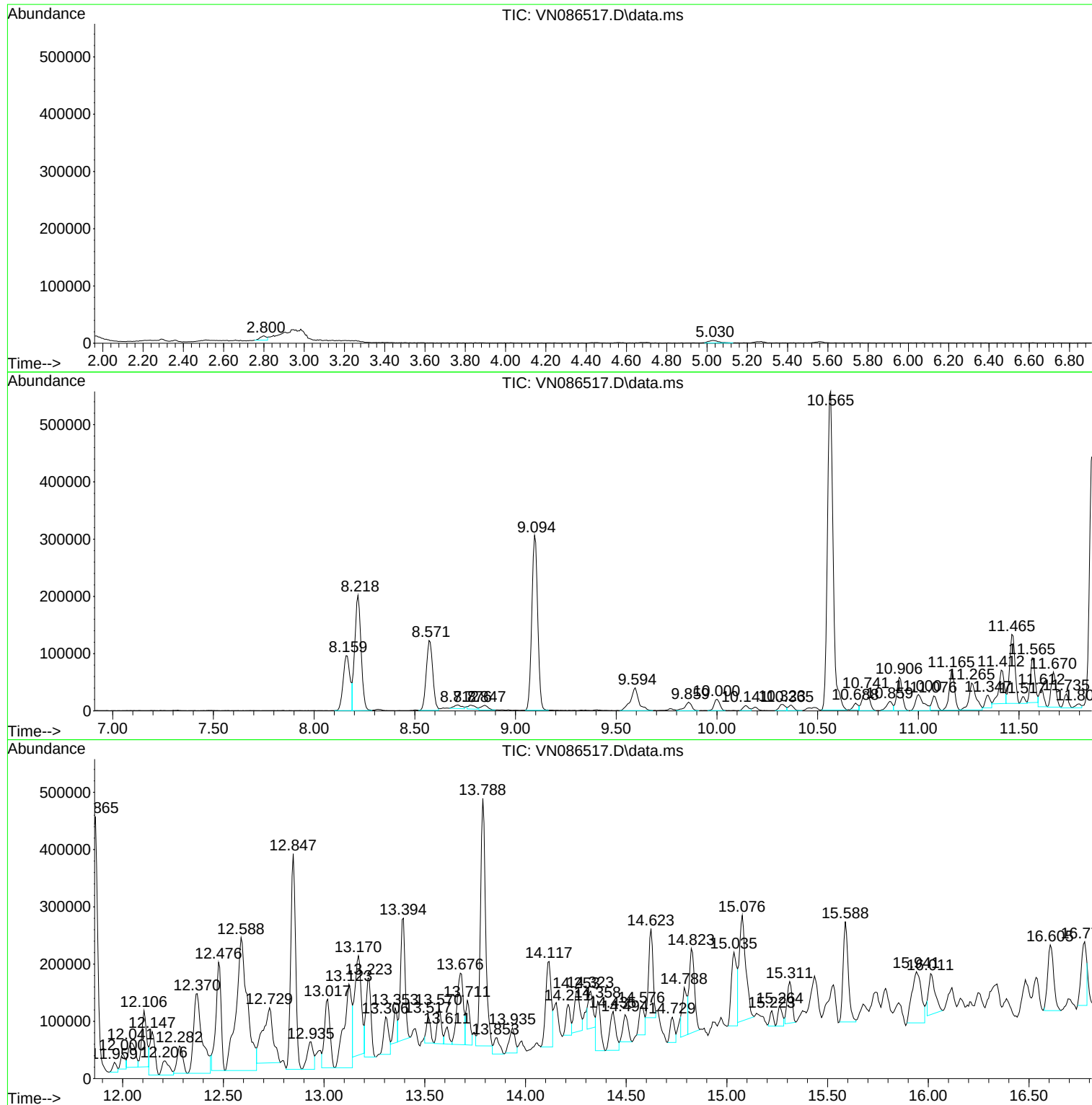
Sum of corrected areas: 15591930

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

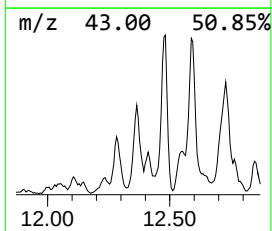
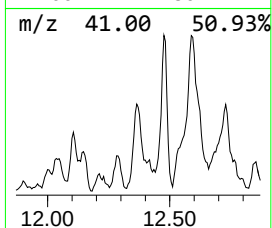
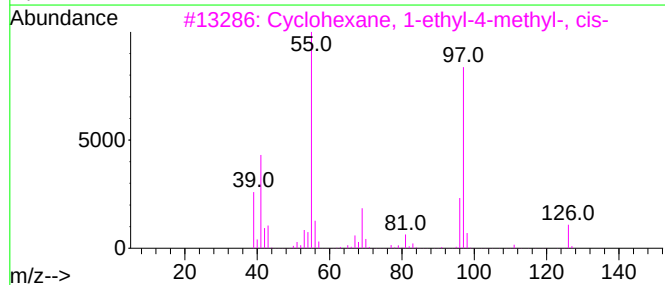
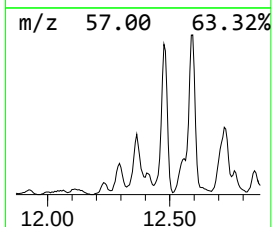
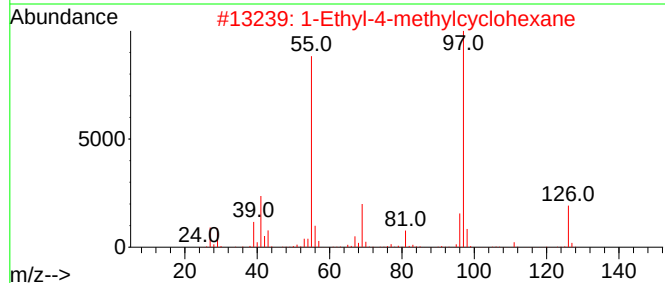
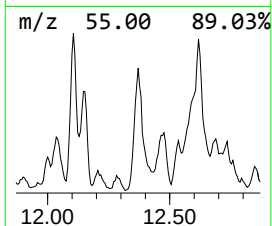
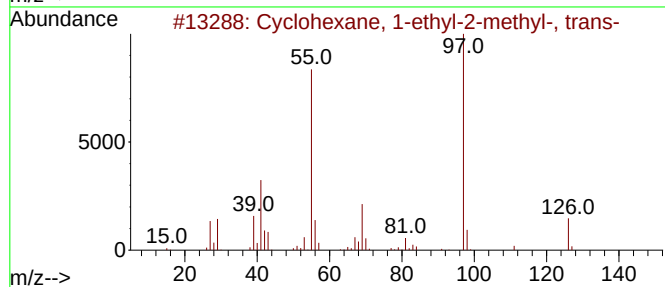
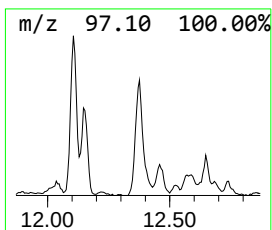
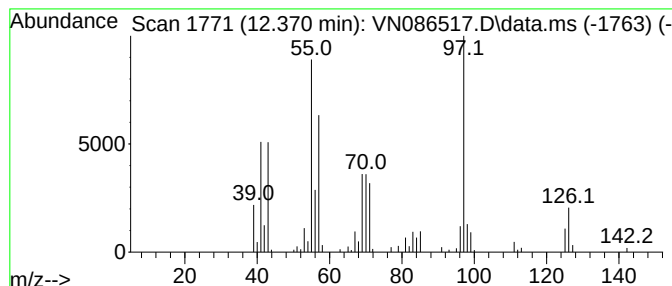
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Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.370	25.38 ug/l	416326	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	53
2			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	53
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
5			3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

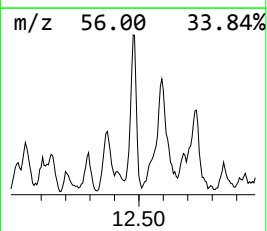
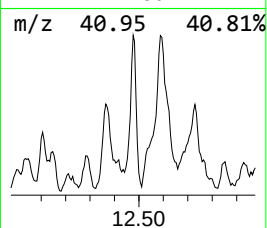
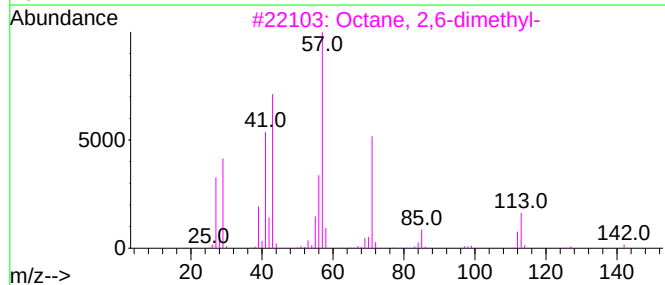
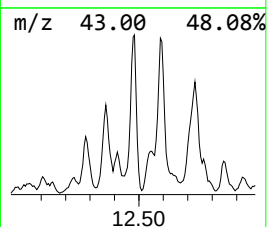
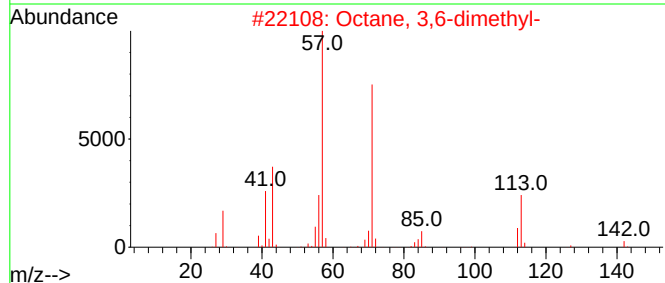
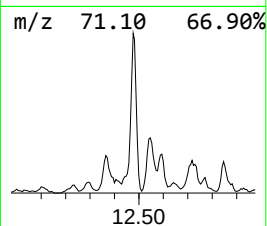
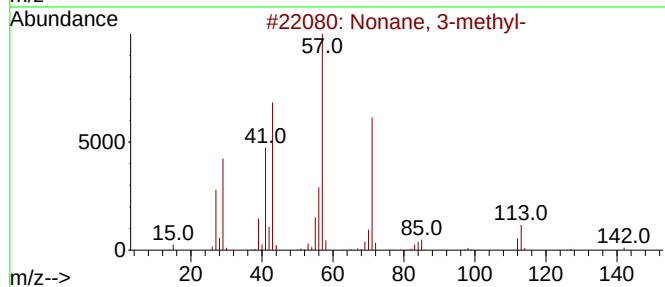
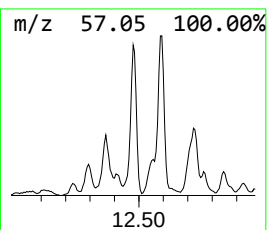
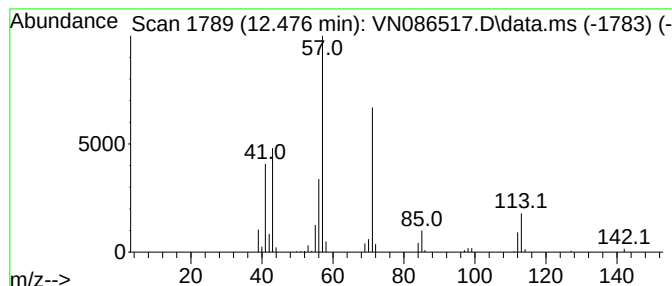
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Quant Title : SW846 8260

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

Peak Number 2 Nonane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.476	20.50 ug/l	336389	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
4			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
5			Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

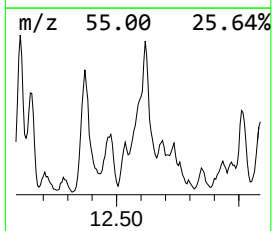
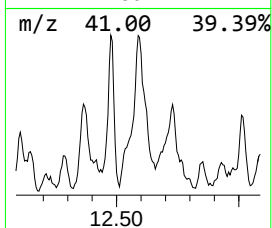
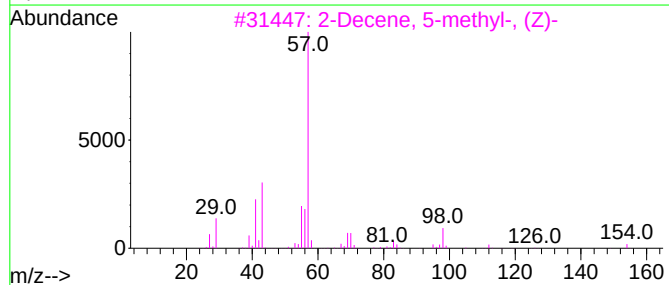
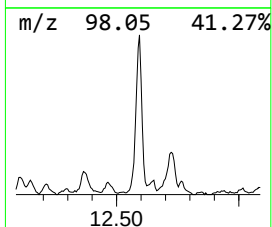
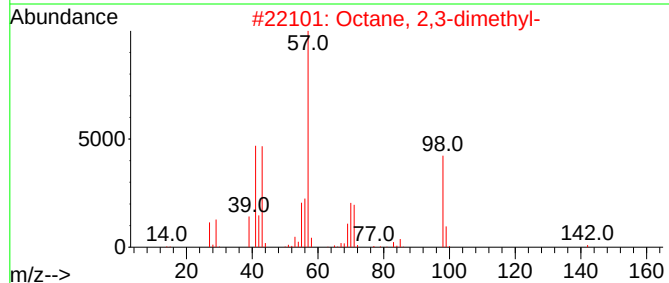
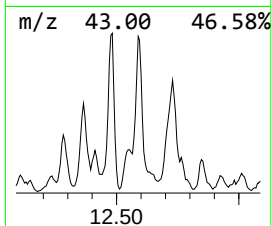
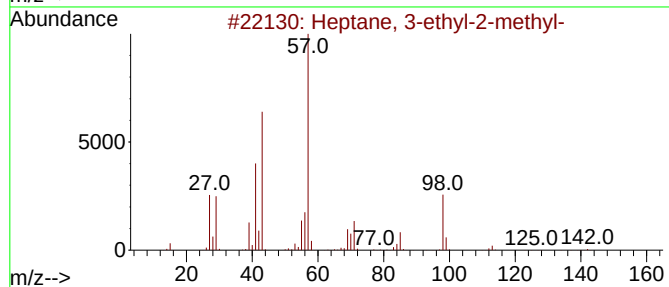
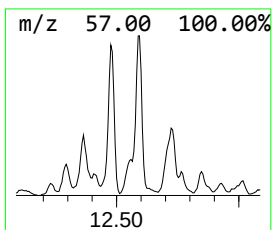
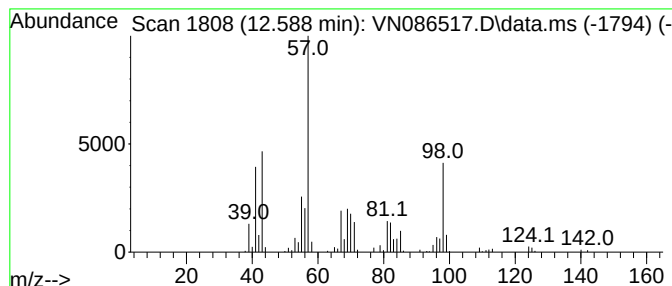
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.588	55.61 ug/l	912310	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	62
2			Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	53
3			2-Decene, 5-methyl-, (Z)-	154	C11H22	074645-86-6	38
4			1-Hexene, 4-methyl-	98	C7H14	003769-23-1	35
5			Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	27



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

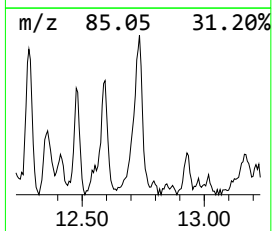
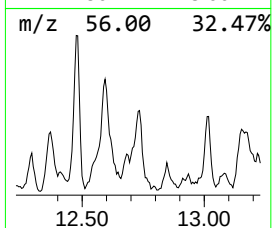
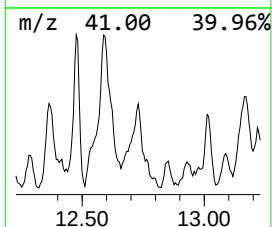
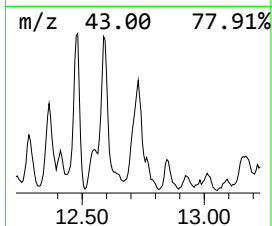
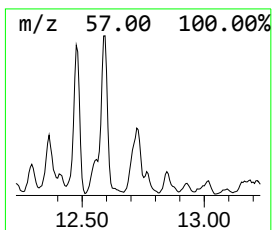
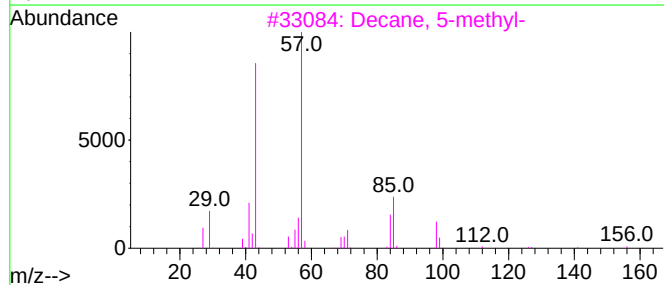
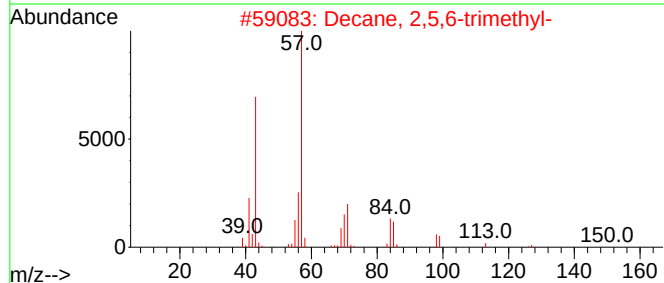
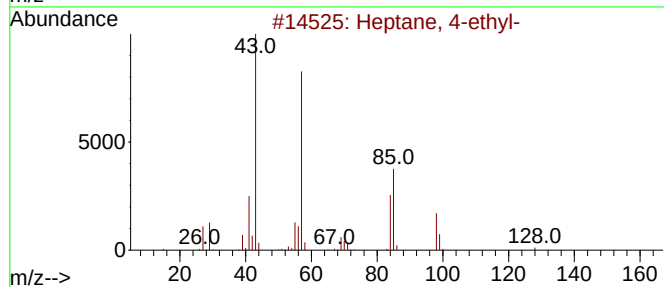
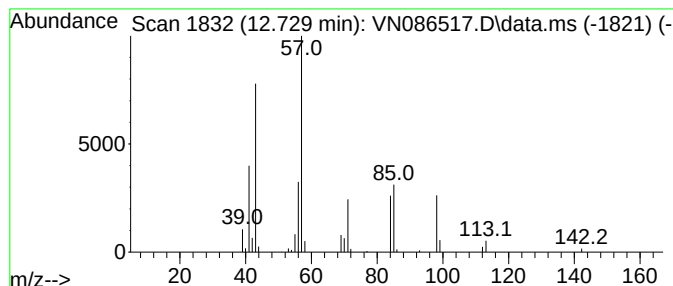
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Quant Title : SW846 8260

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

Peak Number 4 Heptane, 4-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.729	21.14 ug/l	346905	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
2			Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	53
3			Decane, 5-methyl-	156	C11H24	013151-35-4	50
4			Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	47
5			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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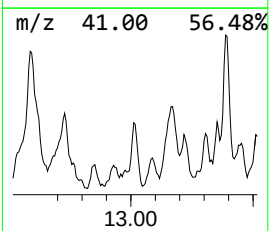
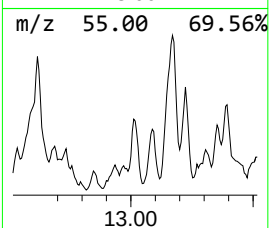
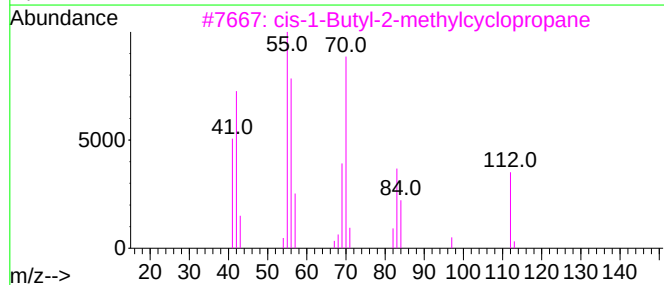
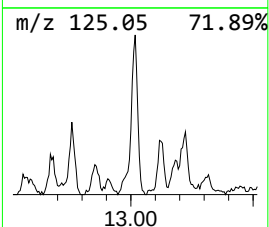
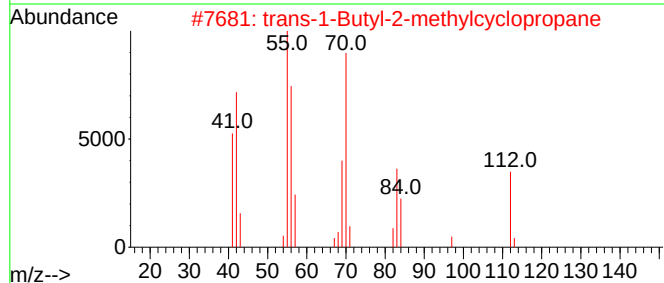
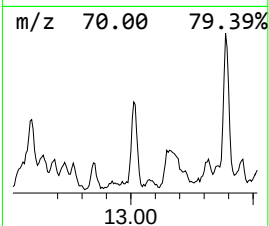
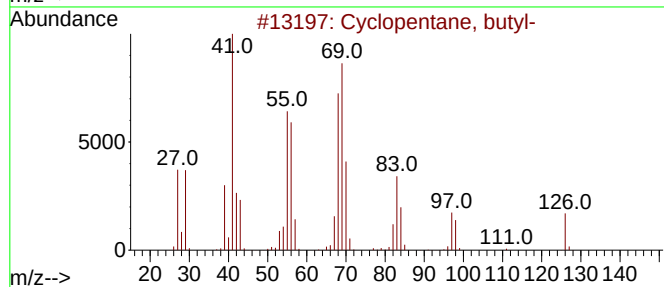
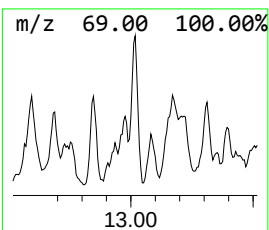
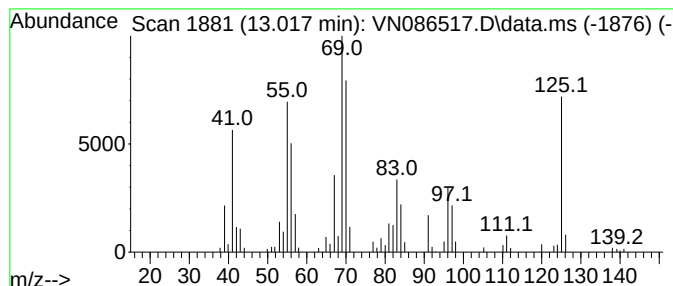
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, butyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.017	14.64 ug/l	223193	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, butyl-	126	C9H18	002040-95-1	52
2			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	50
3			cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	46
4			(1,2,4-Trimethylcyclohexyl)metha...	156	C10H20O	1000499-04-0	35
5			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	30



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

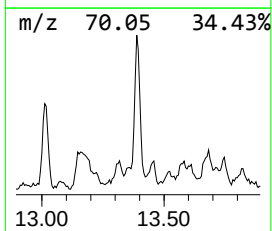
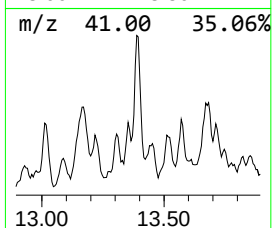
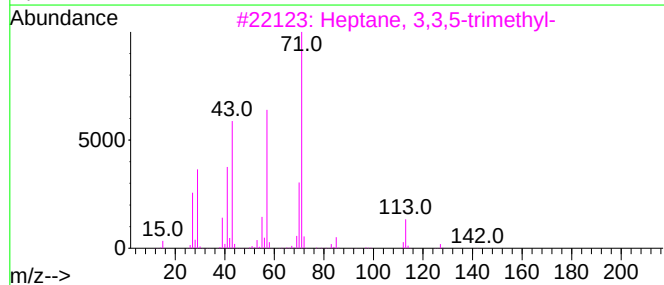
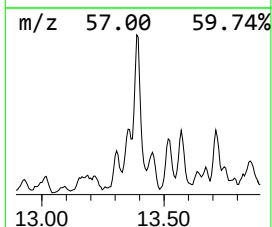
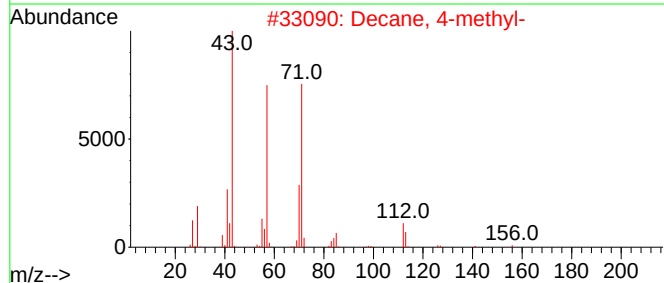
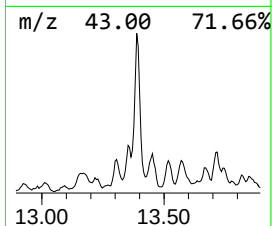
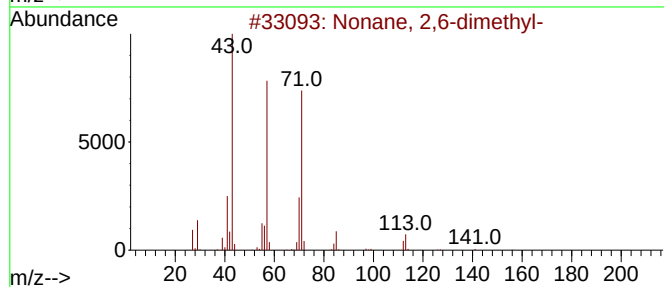
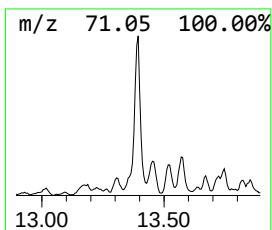
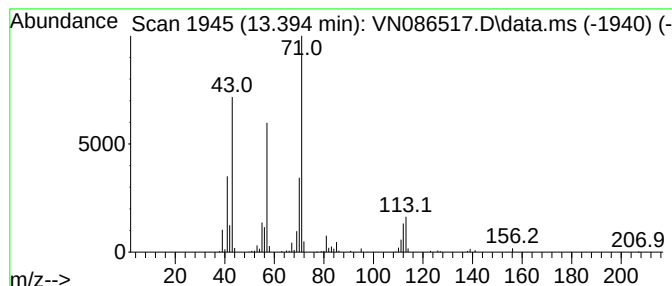
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Quant Title : SW846 8260

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

Peak Number 6 Nonane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.394	22.05 ug/l	336090	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	83
2			Decane, 4-methyl-	156	C11H24	002847-72-5	80
3			Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
4			Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	78
5			Octane, 3-ethyl-	142	C10H22	005881-17-4	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
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Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

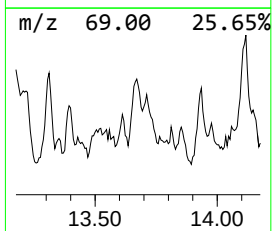
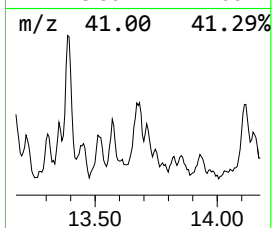
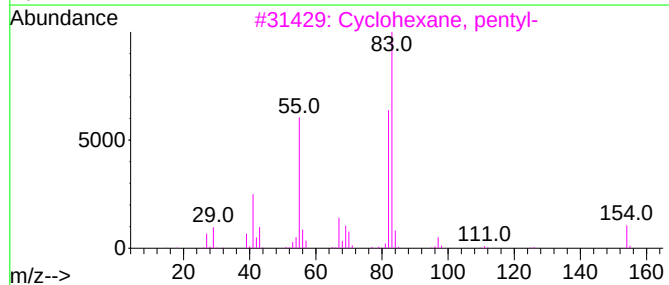
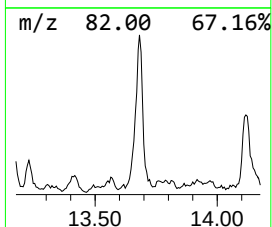
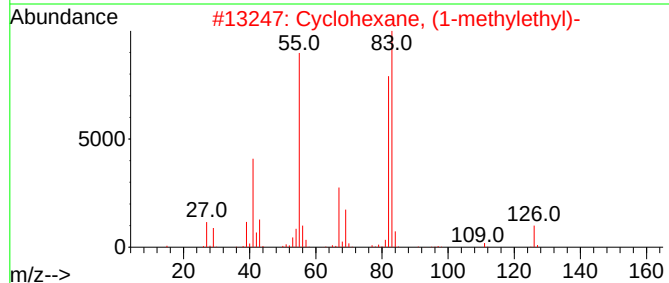
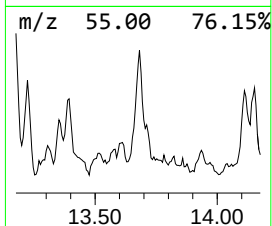
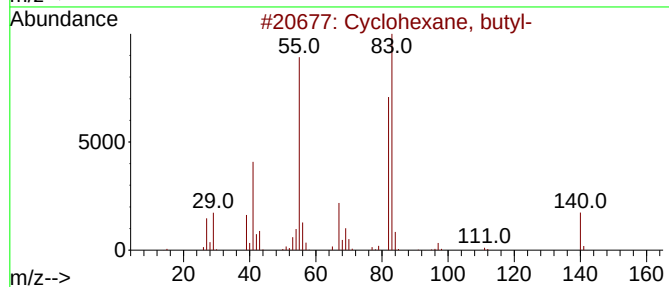
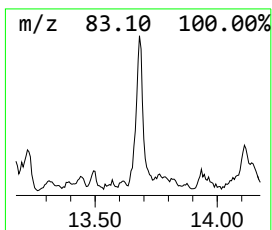
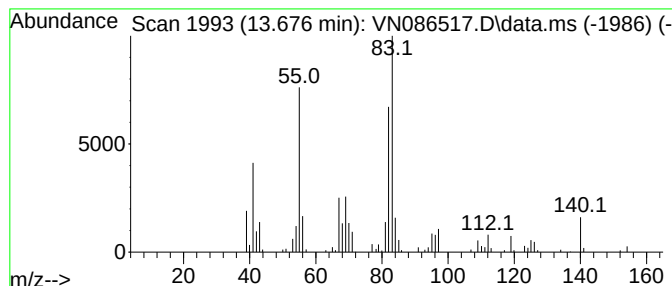
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Quant Title : SW846 8260

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

Peak Number 7 Cyclohexane, butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	18.55 ug/l	282793	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	80
2			Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
4			Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5			Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

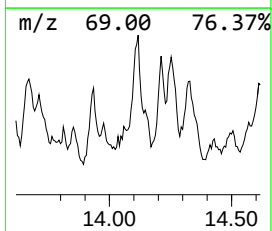
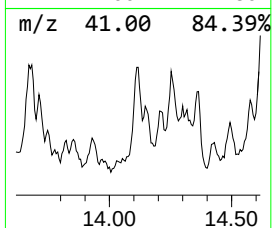
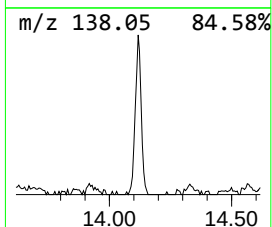
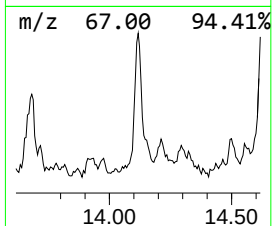
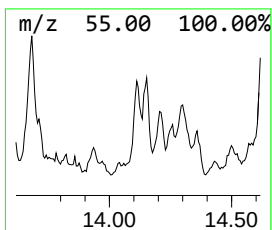
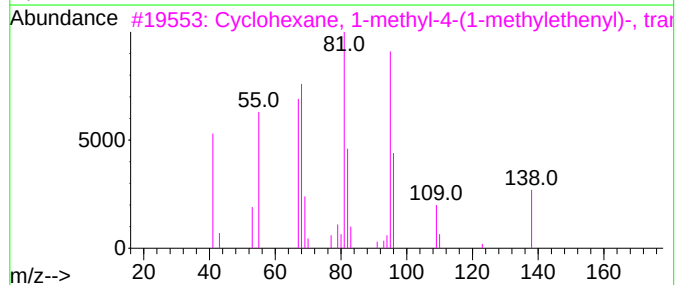
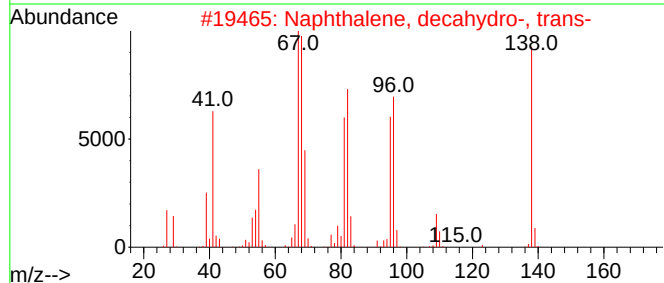
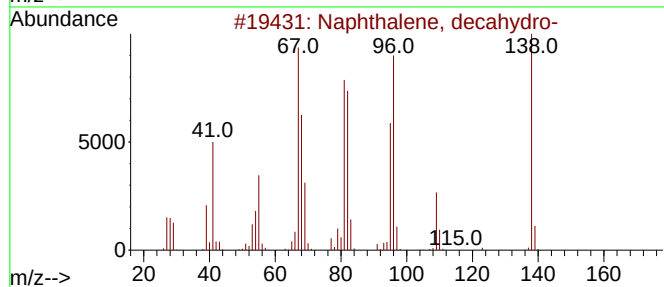
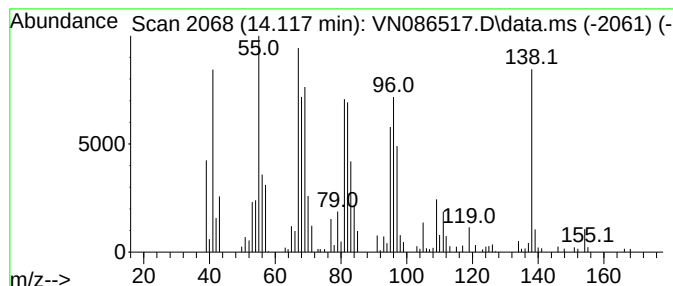
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, decahydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.117	19.18 ug/l	292308	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	97
2			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	92
3			Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	83
4			9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	74
5			Spiro[4.5]decane	138	C10H18	000176-63-6	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

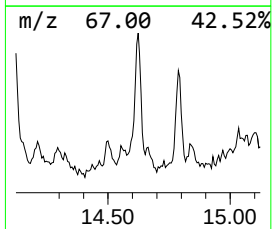
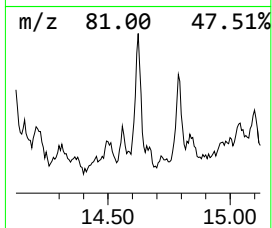
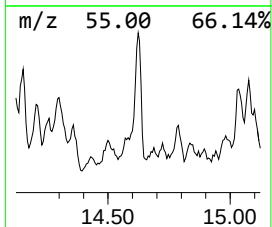
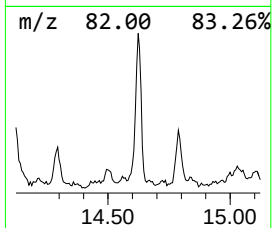
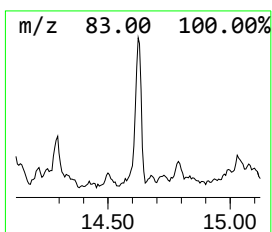
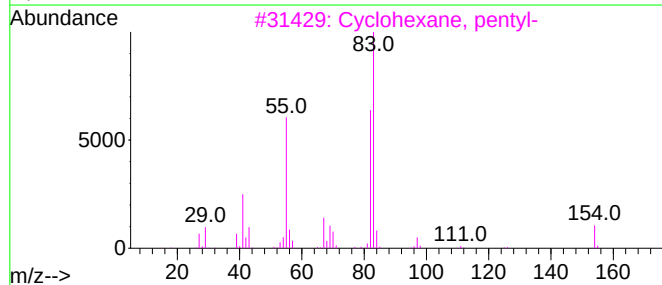
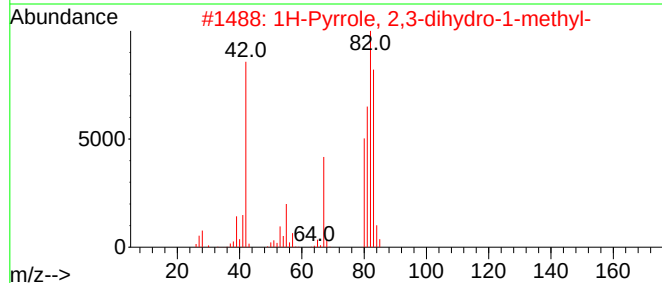
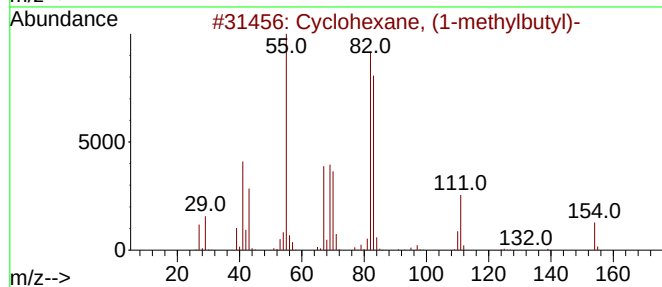
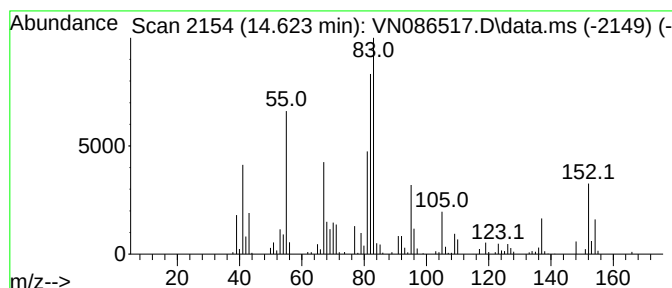
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, (1-methylbutyl)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.623	15.05 ug/l	229340	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (1-methylbutyl)-	154	C11H22	061208-94-4	58
2			1H-Pyrrole, 2,3-dihydro-1-methyl-	83	C5H9N	033838-11-8	52
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
4			Bicyclo[3.1.1]heptan-2-one, 3,6,...	152	C10H16O	016022-08-5	43
5			Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

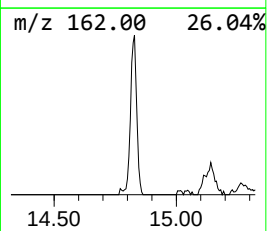
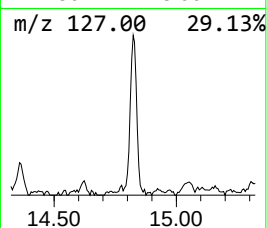
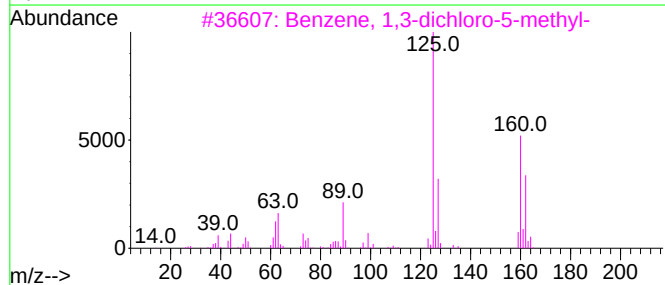
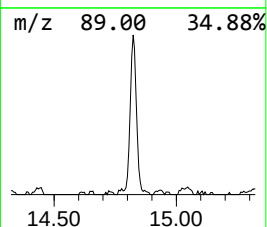
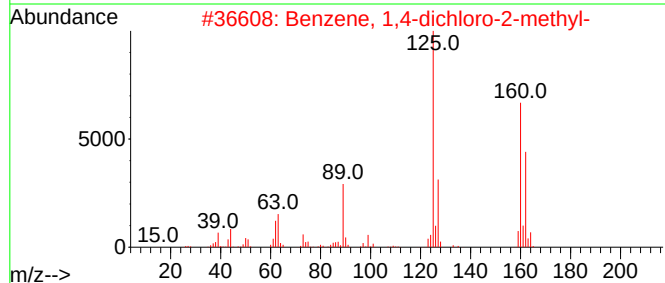
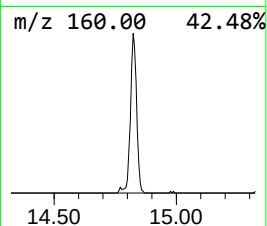
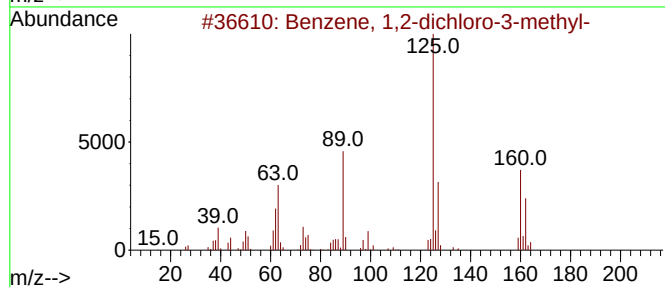
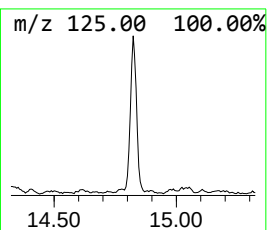
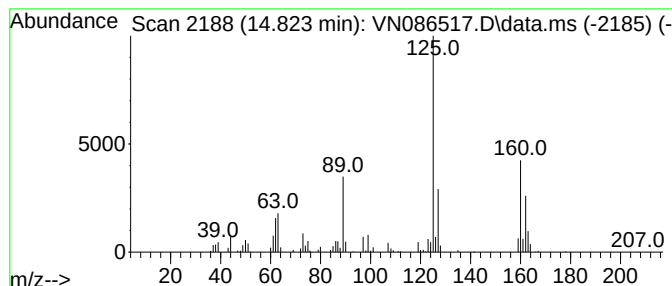
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1,2-dichloro-3-met... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.823	16.94 ug/l	258228	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	96
2			Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
3			Benzene, 1,3-dichloro-5-methyl-	160	C7H6Cl2	025186-47-4	96
4			Benzene, 1,2-dichloro-4-methyl-	160	C7H6Cl2	000095-75-0	95
5			Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

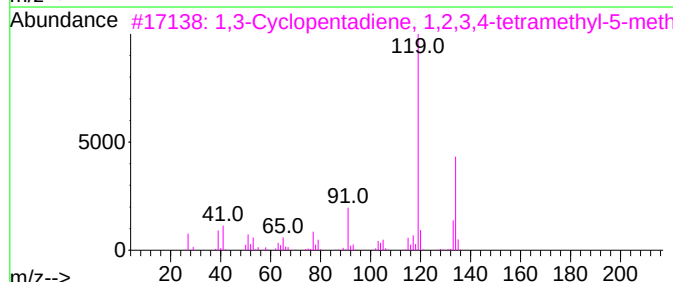
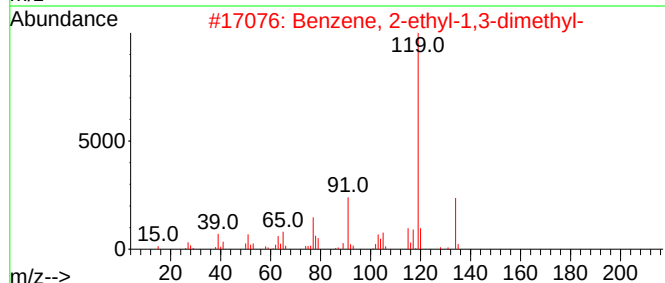
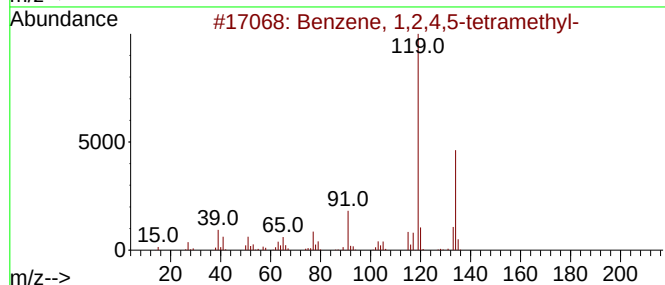
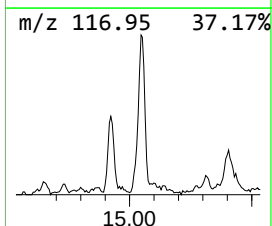
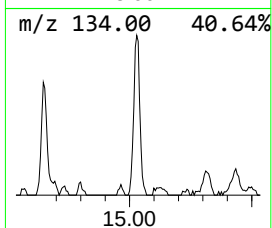
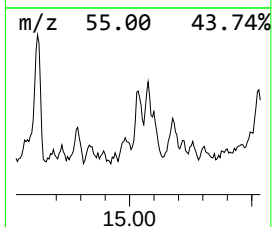
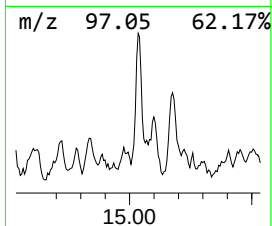
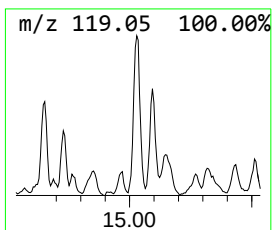
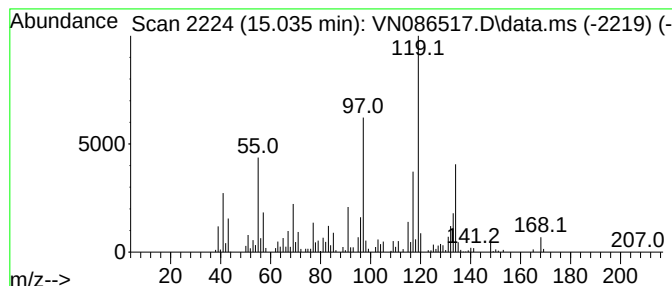
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Quant Title : SW846 8260

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

Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.035	16.53 ug/l	251903	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	90
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	87
3			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	60
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
5			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

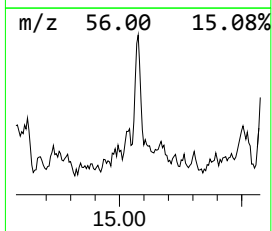
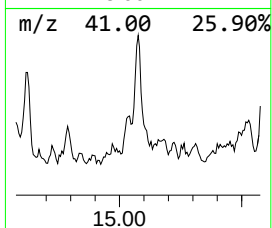
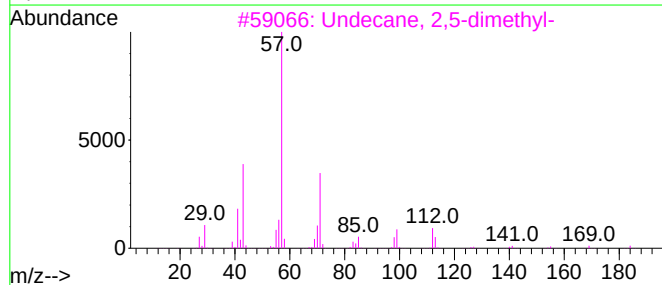
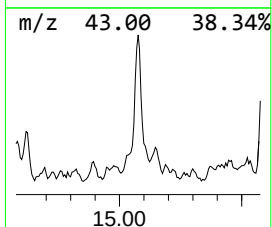
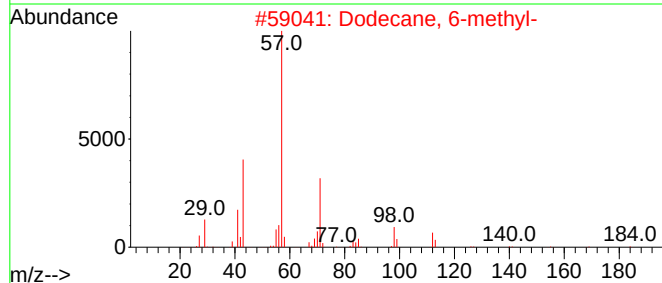
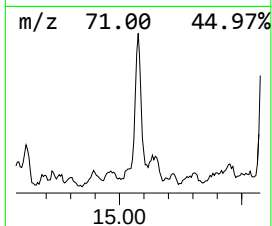
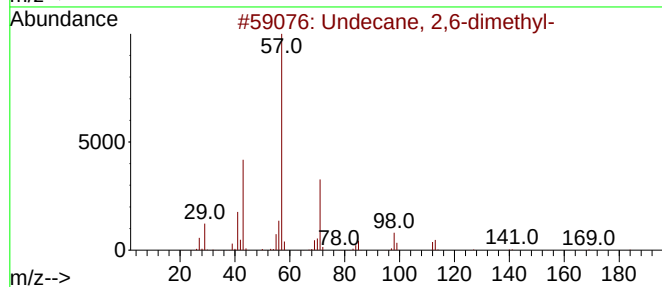
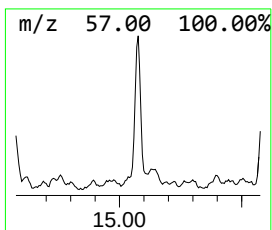
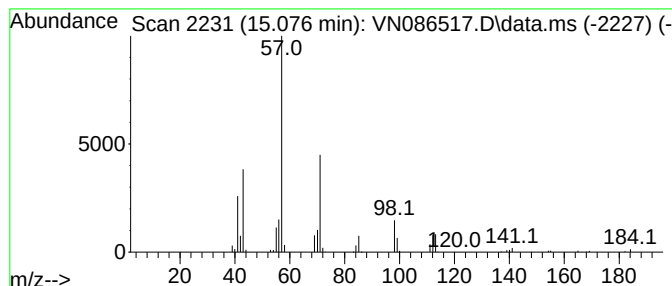
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Quant Title : SW846 8260

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

Peak Number 12 Undecane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.076	26.53 ug/l	404378	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	95
2			Dodecane, 6-methyl-	184	C13H28	006044-71-9	90
3			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	74
4			5-Ethyldecane	170	C12H26	017302-36-2	72
5			Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

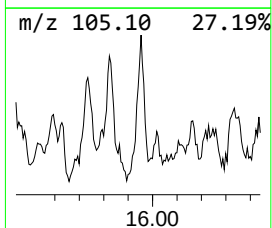
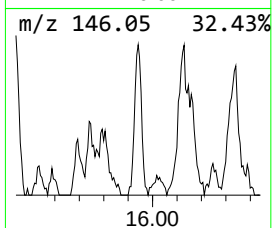
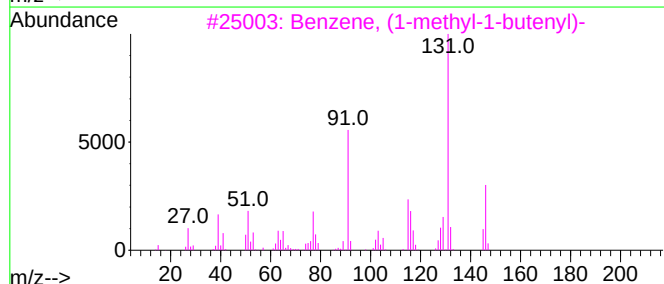
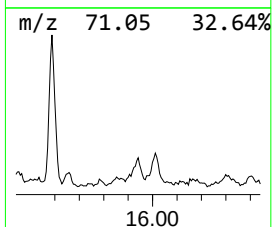
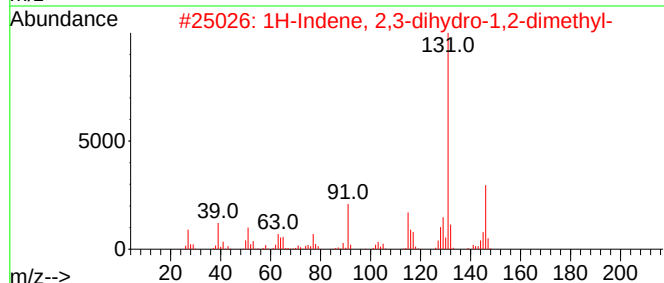
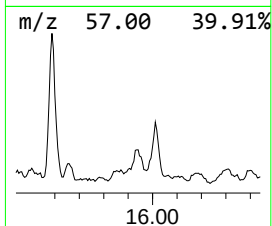
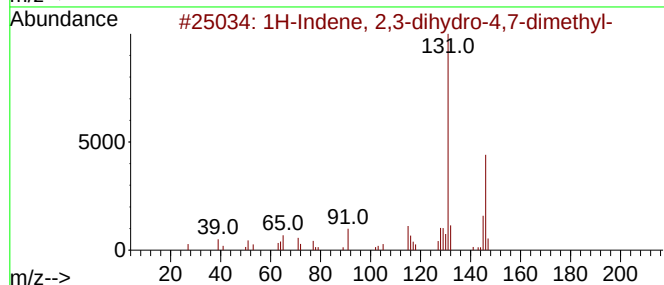
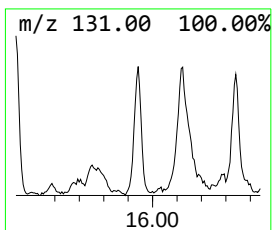
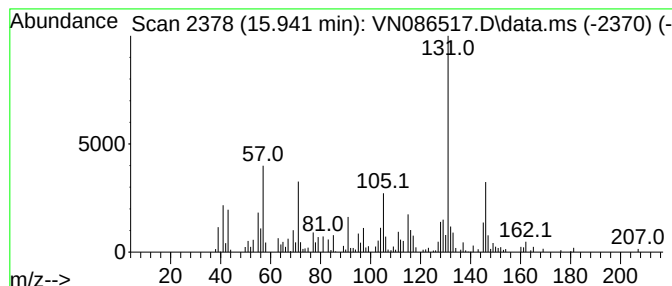
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Quant Title : SW846 8260

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

Peak Number 13 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.941	19.25 ug/l	293463	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
3			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93
4			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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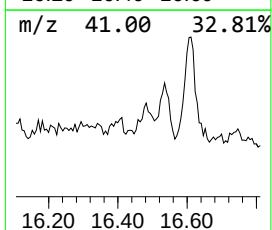
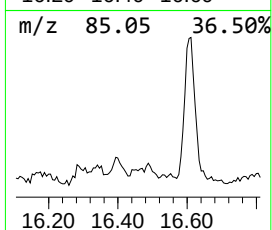
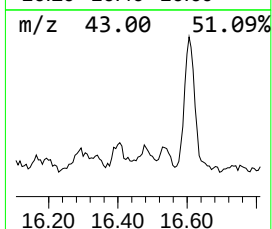
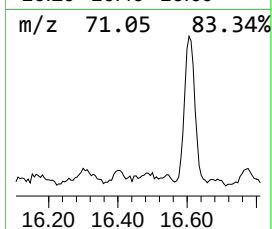
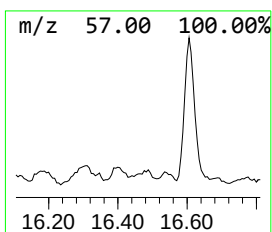
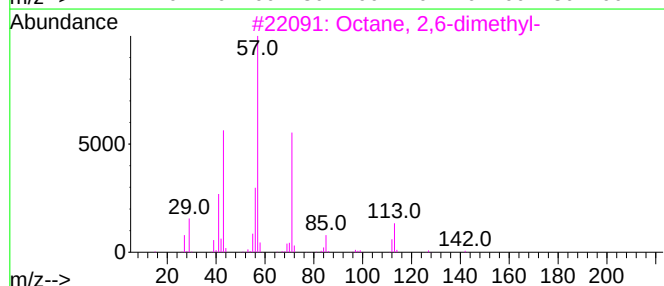
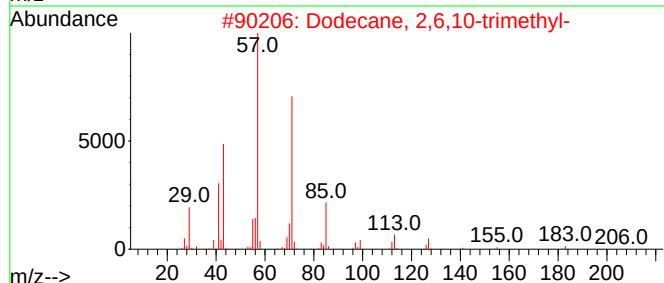
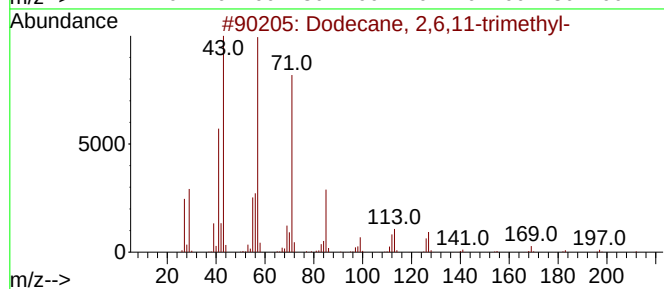
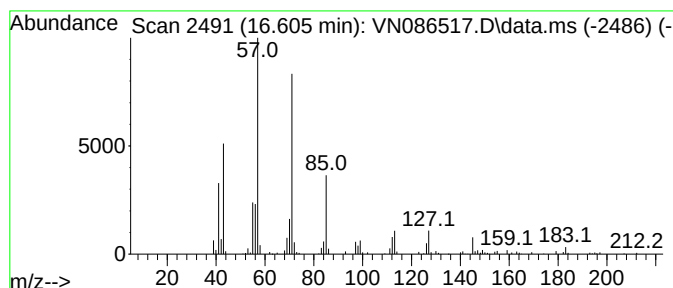
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Quant Title : SW846 8260

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

Peak Number 14 Dodecane, 2,6,11-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.605	15.46 ug/l	235623	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	91
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4			Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64
5			Decane, 5-propyl-	184	C13H28	017312-62-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

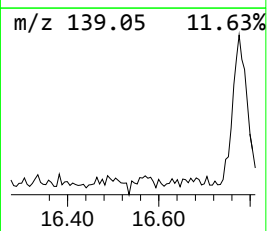
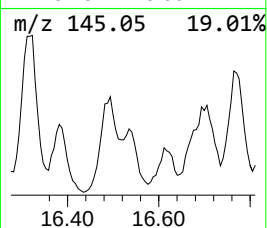
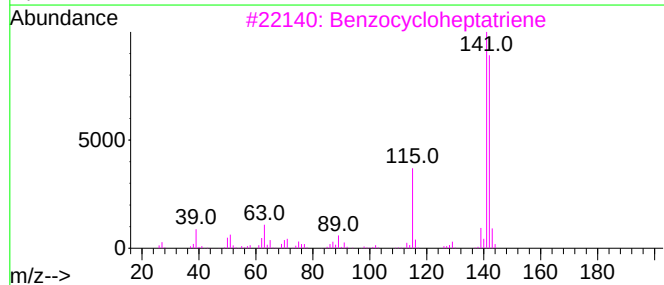
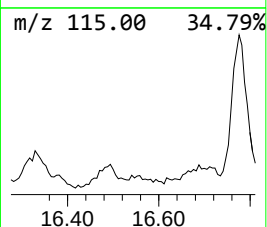
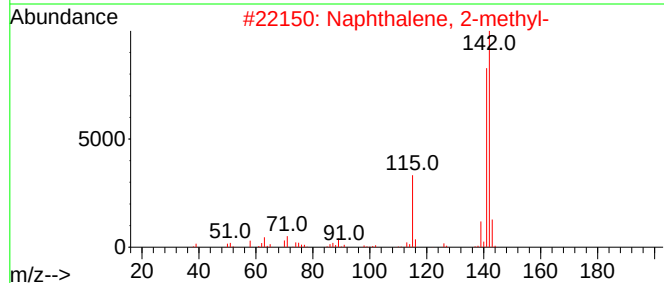
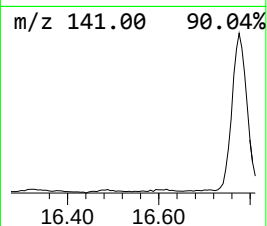
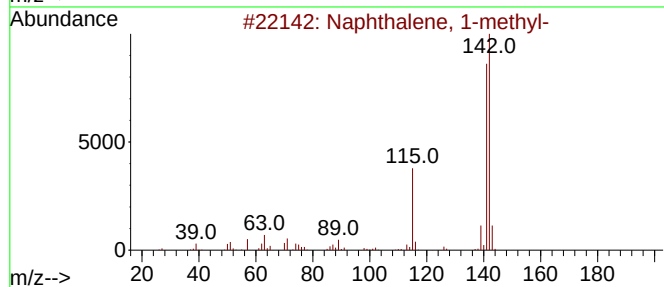
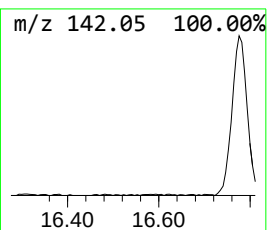
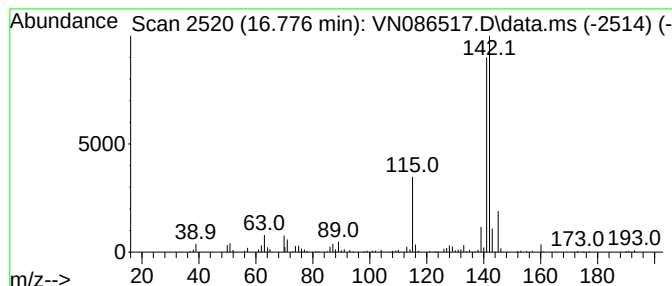
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Quant Title : SW846 8260

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

Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.776	13.55 ug/l	206453	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3			Benzocycloheptatriene	142	C11H10	000264-09-5	90
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086517.D
Acq On : 06 May 2025 16:11
Operator : JC\MD
Sample : Q1939-03
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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
Cyclohexane, 1-...	12.370	25.4	ug/l	416326	3	11.865	820332	50.0
Nonane, 3-methyl-	12.476	20.5	ug/l	336389	3	11.865	820332	50.0
Heptane, 3-ethy...	12.588	55.6	ug/l	912310	3	11.865	820332	50.0
Heptane, 4-ethyl-	12.729	21.1	ug/l	346905	3	11.865	820332	50.0
Cyclopentane, b...	13.017	14.6	ug/l	223193	4	13.788	762064	50.0
Nonane, 2,6-dim...	13.394	22.1	ug/l	336090	4	13.788	762064	50.0
Cyclohexane, bu...	13.676	18.6	ug/l	282793	4	13.788	762064	50.0
Naphthalene, de...	14.117	19.2	ug/l	292308	4	13.788	762064	50.0
Cyclohexane, (1...	14.623	15.1	ug/l	229340	4	13.788	762064	50.0
Benzene, 1,2-di...	14.823	16.9	ug/l	258228	4	13.788	762064	50.0
Benzene, 1,2,4,...	15.035	16.5	ug/l	251903	4	13.788	762064	50.0
Undecane, 2,6-d...	15.076	26.5	ug/l	404378	4	13.788	762064	50.0
1H-Indene, 2,3-...	15.941	19.3	ug/l	293463	4	13.788	762064	50.0
Dodecane, 2,6,1...	16.605	15.5	ug/l	235623	4	13.788	762064	50.0
Naphthalene, 1-...	16.776	13.6	ug/l	206453	4	13.788	762064	50.0

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2RE	SDG No.:	Q1939
Lab Sample ID:	Q1939-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086558.D	1		05/09/25 13:31	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	100	U	100	450	ug/Kg
74-87-3	Chloromethane	100	U	100	450	ug/Kg
75-01-4	Vinyl Chloride	70.7	U	70.7	450	ug/Kg
74-83-9	Bromomethane	95.8	U	95.8	450	ug/Kg
75-00-3	Chloroethane	110	U	110	450	ug/Kg
75-69-4	Trichlorofluoromethane	110	U	110	450	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	94.9	U	94.9	450	ug/Kg
75-35-4	1,1-Dichloroethene	89.5	U	89.5	450	ug/Kg
67-64-1	Acetone	420	U	420	2200	ug/Kg
75-15-0	Carbon Disulfide	94.9	U	94.9	450	ug/Kg
1634-04-4	Methyl tert-butyl Ether	65.4	U	65.4	450	ug/Kg
79-20-9	Methyl Acetate	340	J	140	450	ug/Kg
75-09-2	Methylene Chloride	320	U	320	900	ug/Kg
156-60-5	trans-1,2-Dichloroethene	77.0	U	77.0	450	ug/Kg
75-34-3	1,1-Dichloroethane	71.6	U	71.6	450	ug/Kg
110-82-7	Cyclohexane	70.7	U	70.7	450	ug/Kg
78-93-3	2-Butanone	590	U	590	2200	ug/Kg
56-23-5	Carbon Tetrachloride	86.8	U	86.8	450	ug/Kg
156-59-2	cis-1,2-Dichloroethene	67.1	U	67.1	450	ug/Kg
74-97-5	Bromochloromethane	100	U	100	450	ug/Kg
67-66-3	Chloroform	75.2	U	75.2	450	ug/Kg
71-55-6	1,1,1-Trichloroethane	83.3	U	83.3	450	ug/Kg
108-87-2	Methylcyclohexane	480		81.5	450	ug/Kg
71-43-2	Benzene	70.7	U	70.7	450	ug/Kg
107-06-2	1,2-Dichloroethane	70.7	U	70.7	450	ug/Kg
79-01-6	Trichloroethene	72.5	U	72.5	450	ug/Kg
78-87-5	1,2-Dichloropropane	81.5	U	81.5	450	ug/Kg
75-27-4	Bromodichloromethane	69.8	U	69.8	450	ug/Kg
108-10-1	4-Methyl-2-Pentanone	320	U	320	2200	ug/Kg
108-88-3	Toluene	69.8	U	69.8	450	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2RE	SDG No.:	Q1939
Lab Sample ID:	Q1939-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086558.D	1		05/09/25 13:31	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	58.2	U	58.2	450	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	55.5	U	55.5	450	ug/Kg
79-00-5	1,1,2-Trichloroethane	82.4	U	82.4	450	ug/Kg
591-78-6	2-Hexanone	330	U	330	2200	ug/Kg
124-48-1	Dibromochloromethane	77.9	U	77.9	450	ug/Kg
106-93-4	1,2-Dibromoethane	78.8	U	78.8	450	ug/Kg
127-18-4	Tetrachloroethene	94.0	U	94.0	450	ug/Kg
108-90-7	Chlorobenzene	81.5	U	81.5	450	ug/Kg
100-41-4	Ethyl Benzene	60.0	U	60.0	450	ug/Kg
179601-23-1	m/p-Xylenes	110	U	110	900	ug/Kg
95-47-6	o-Xylene	73.4	U	73.4	450	ug/Kg
100-42-5	Styrene	63.6	U	63.6	450	ug/Kg
75-25-2	Bromoform	77.0	U	77.0	450	ug/Kg
98-82-8	Isopropylbenzene	69.8	U	69.8	450	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	110	U	110	450	ug/Kg
541-73-1	1,3-Dichlorobenzene	150	U	150	450	ug/Kg
106-46-7	1,4-Dichlorobenzene	140	U	140	450	ug/Kg
95-50-1	1,2-Dichlorobenzene	130	U	130	450	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	160	U	160	450	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	270	U	270	450	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	280	U	280	450	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		70 (63) - 130 (155)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	62.8		70 (70) - 130 (134)	126%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	160000	8.218			
540-36-3	1,4-Difluorobenzene	300000	9.094			
3114-55-4	Chlorobenzene-d5	290000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2RE	SDG No.:	Q1939
Lab Sample ID:	Q1939-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	78
Sample Wt/Vol:	7.16 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086558.D	1		05/09/25 13:31	VN050925

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\VN050925\
 Data File : VN086558.D
 Acq On : 09 May 2025 13:31
 Operator : JC\MD
 Sample : Q1939-03RE
 Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB2RE

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:26:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	160486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	300494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	110945	47.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.340%		
35) Dibromofluoromethane	8.159	113	87540	62.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	125.540%#		
50) Toluene-d8	10.565	98	388474	52.119	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.240%		
62) 4-Bromofluorobenzene	12.847	95	140109	51.537	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.080%		
Target Compounds						
					Qvalue	
18) Methyl Acetate	5.018	43	10663	3.817	ug/l #	70
39) Methylcyclohexane	9.600	83	17676	5.339	ug/l	96
79) 2-Chlorotoluene	13.123	91	72183	9.142	ug/l	98
82) 4-Chlorotoluene	13.218	91	42374	5.403	ug/l	97
85) sec-Butylbenzene	13.612	105	10910	1.036	ug/l #	74
95) Naphthalene	15.635	128	10333m	1.408	ug/l	

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

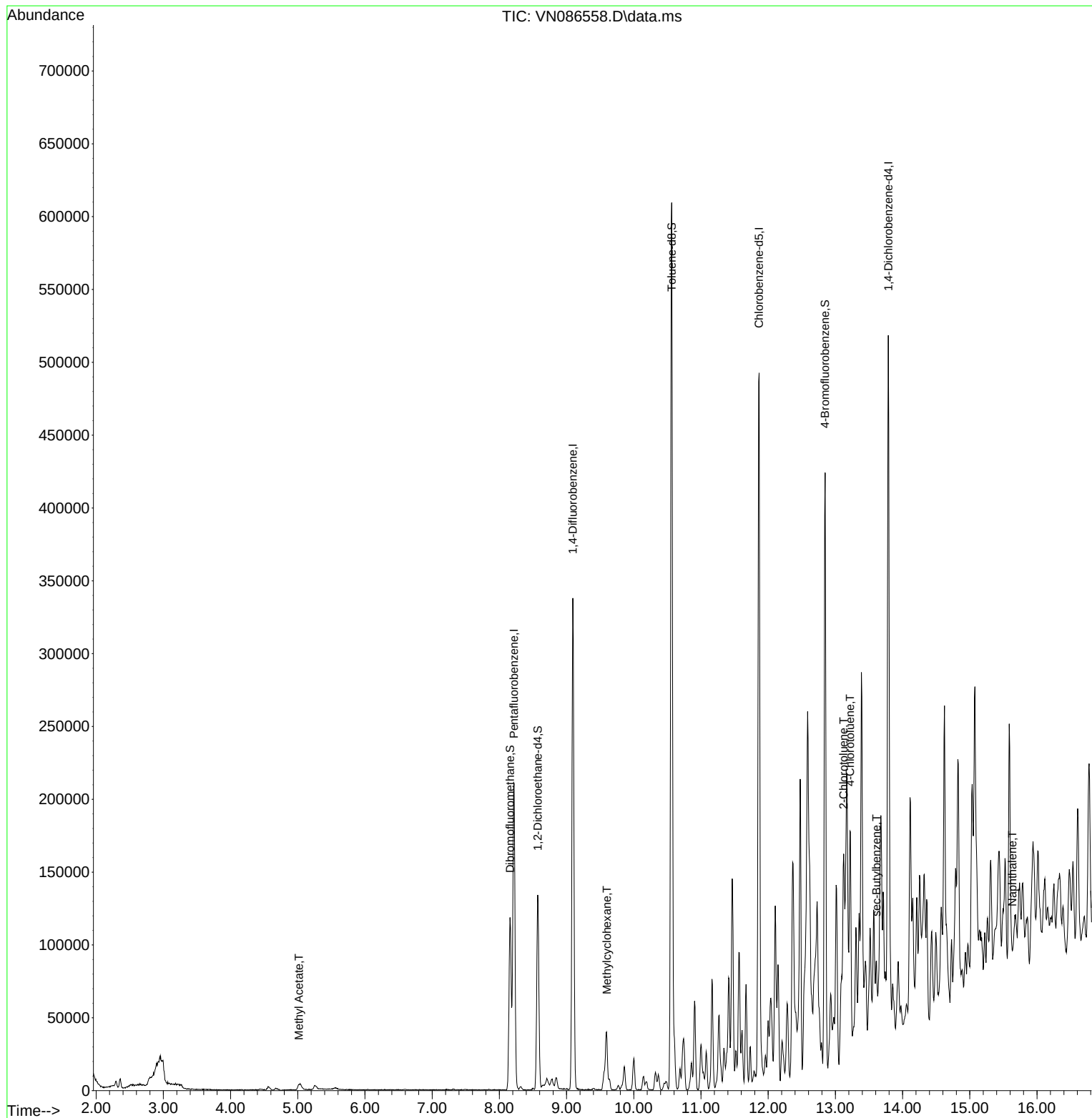
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Data File : VN086558.D
Acq On : 09 May 2025 13:31
Operator : JC\MD
Sample : Q1939-03RE
Misc : 7.16g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

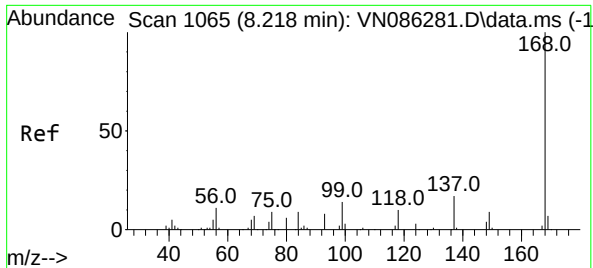
Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Manual Integrations
APPROVED

Reviewed By : John Carlone 05/12/2025
Supervised By : Mahesh Dadoda 05/12/2025

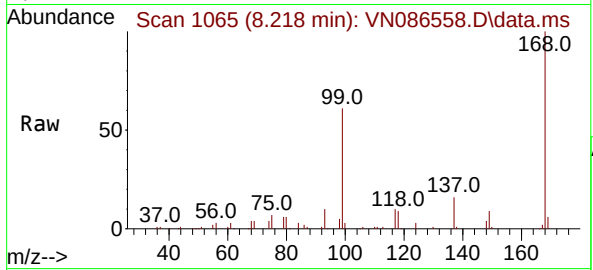
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

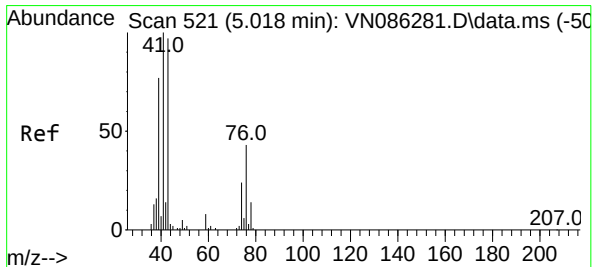
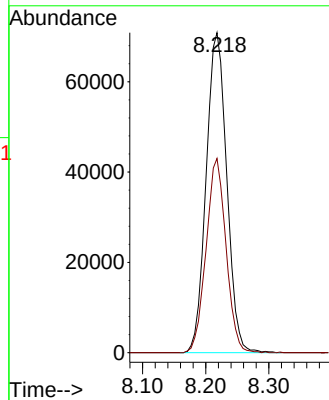
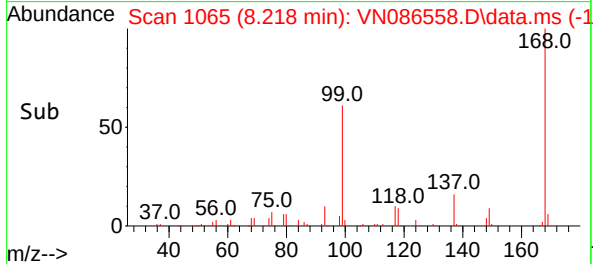
Instrument :
MSVOA_N
ClientSampleId :
GB2RE



Tgt Ion:168 Resp: 160480
Ion Ratio Lower Upper
168 100
99 60.7 52.5 78.7

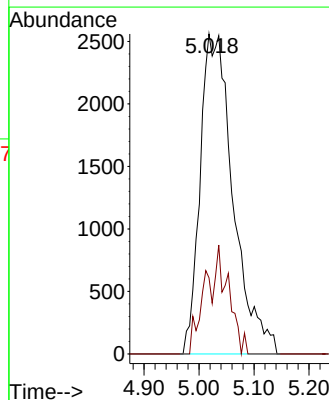
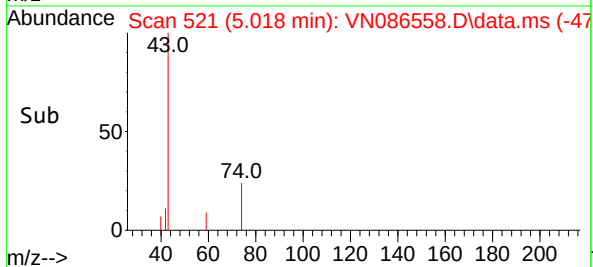
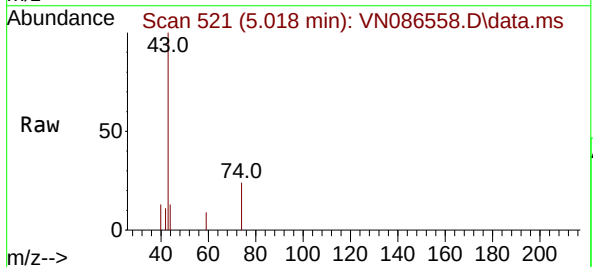
Manual Integrations
APPROVED

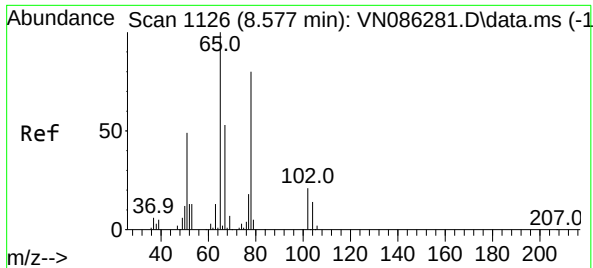
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#18
Methyl Acetate
Concen: 3.817 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 43 Resp: 10663
Ion Ratio Lower Upper
43 100
74 9.7 19.8 29.6#





#33

1,2-Dichloroethane-d4

Concen: 47.673 ug/l

RT: 8.571 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VN086558.D

Acq: 09 May 2025 13:31

Instrument :

MSVOA_N

ClientSampleId :

GB2RE

Tgt Ion: 65 Resp: 11094

Ion Ratio Lower Upper

65 100

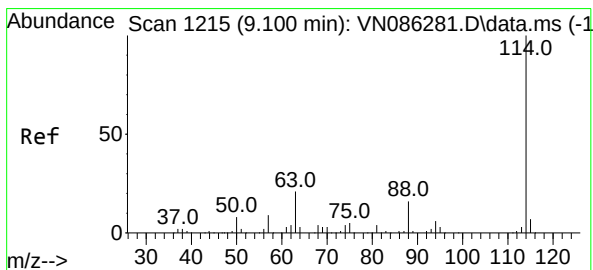
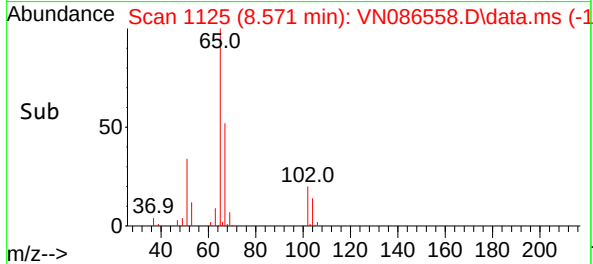
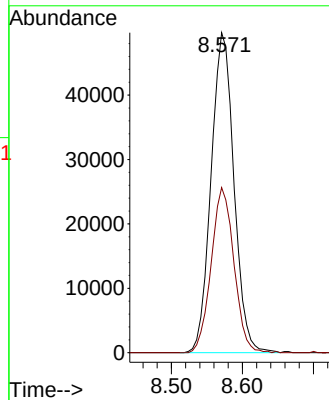
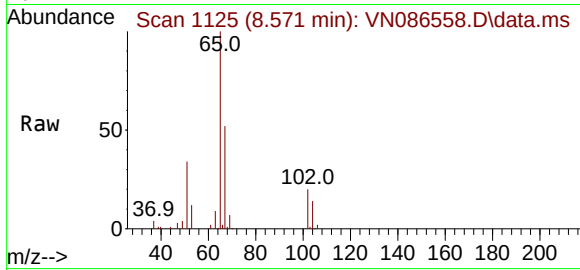
67 51.3 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/12/2025

Supervised By :Mahesh Dadoda 05/12/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086558.D

Acq: 09 May 2025 13:31

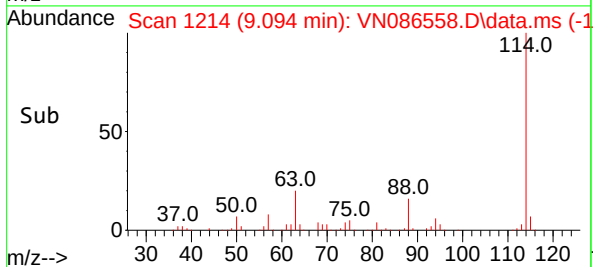
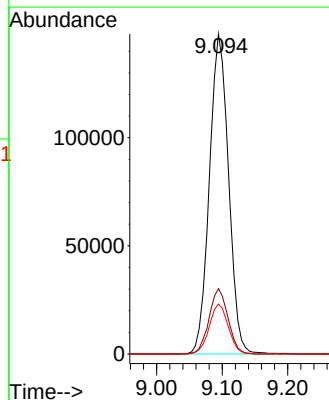
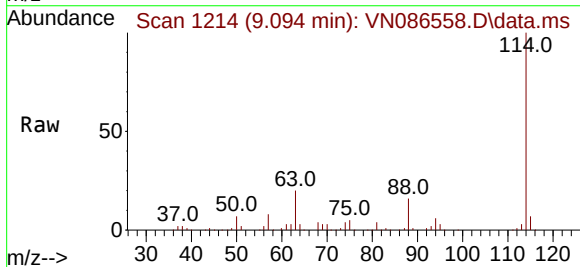
Tgt Ion:114 Resp: 300494

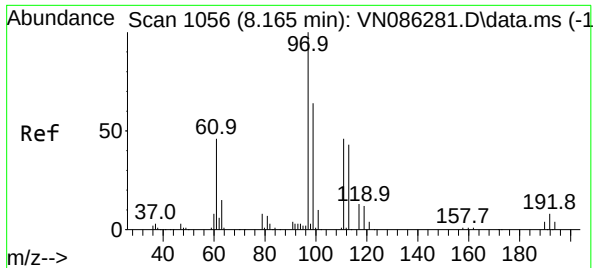
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 15.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 62.769 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086558.D

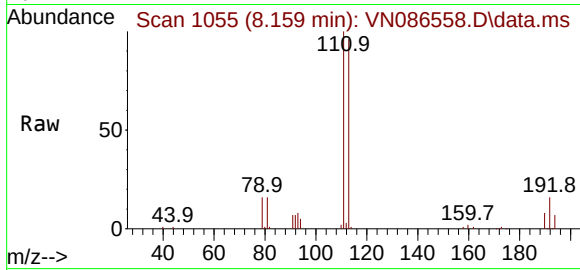
Acq: 09 May 2025 13:31

Instrument :

MSVOA_N

ClientSampleId :

GB2RE



Tgt Ion: 113 Resp: 87540

Ion Ratio Lower Upper

113 100

111 103.6 83.4 125.0

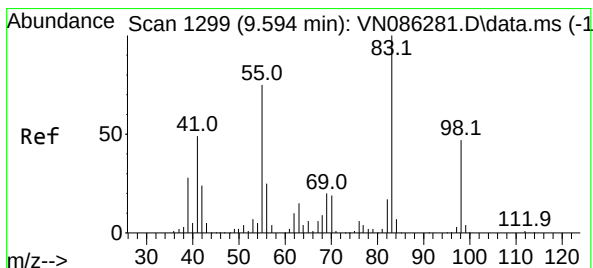
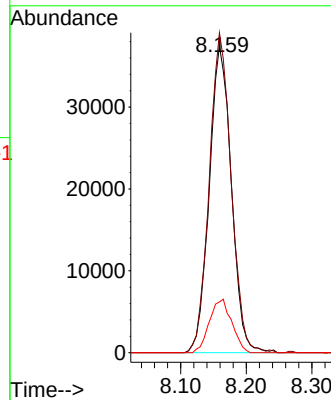
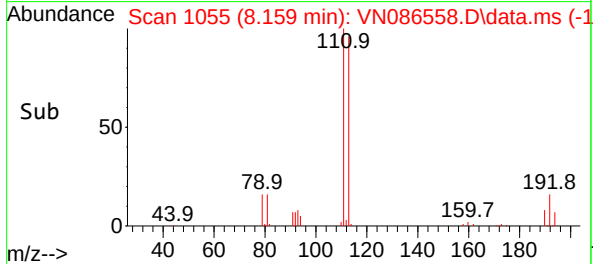
192 17.6 13.7 20.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/12/2025

Supervised By :Mahesh Dadoda 05/12/2025



#39

Methylcyclohexane

Concen: 5.339 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.006 min

Lab File: VN086558.D

Acq: 09 May 2025 13:31

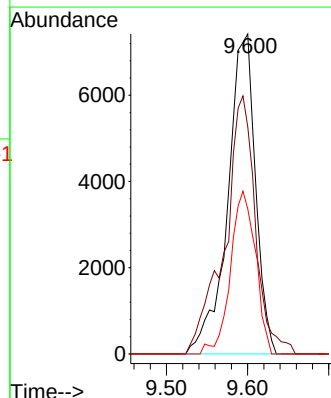
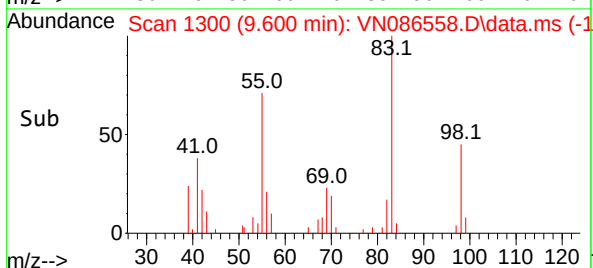
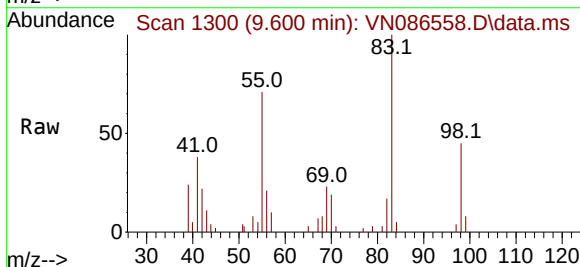
Tgt Ion: 83 Resp: 17676

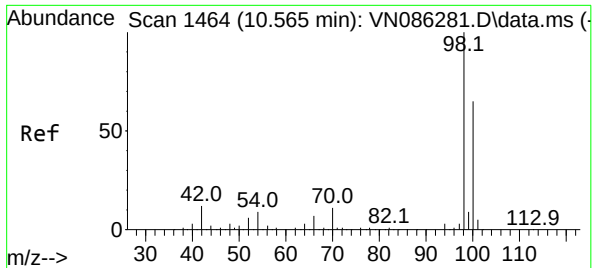
Ion Ratio Lower Upper

83 100

55 71.0 59.8 89.8

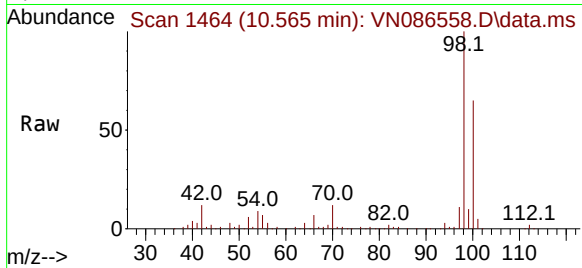
98 45.4 37.9 56.9





#50
Toluene-d8
Concen: 52.119 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

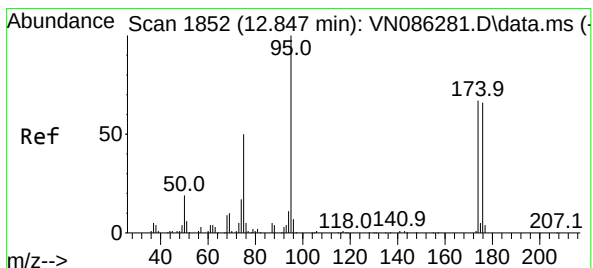
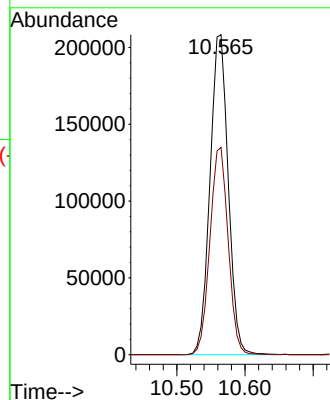
Instrument :
MSVOA_N
ClientSampleId :
GB2RE



Tgt Ion: 98 Resp: 388474
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7

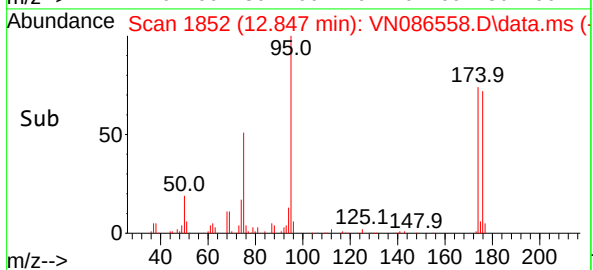
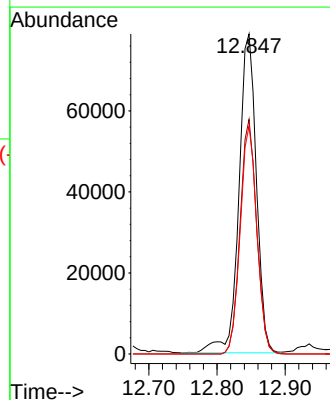
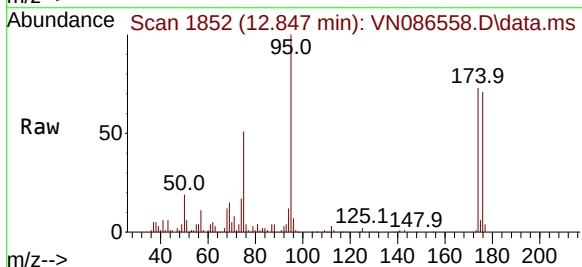
Manual Integrations
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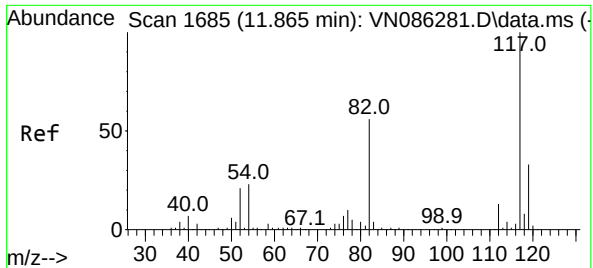
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#62
4-Bromofluorobenzene
Concen: 51.537 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

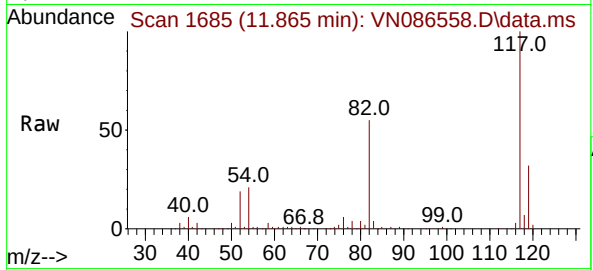
Tgt Ion: 95 Resp: 140109
Ion Ratio Lower Upper
95 100
174 69.4 0.0 133.4
176 67.8 0.0 129.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

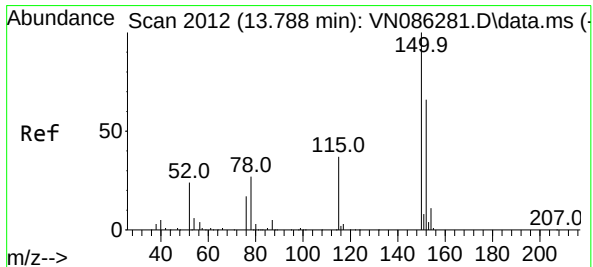
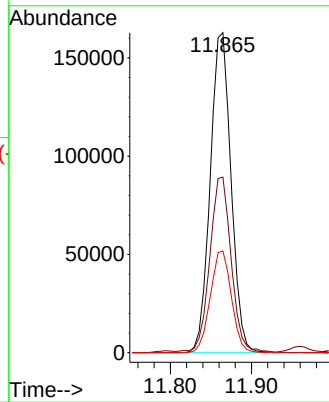
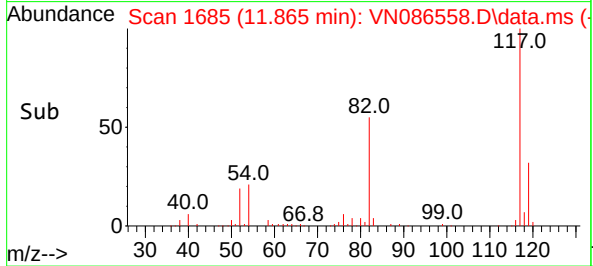
Instrument :
MSVOA_N
ClientSampleId :
GB2RE



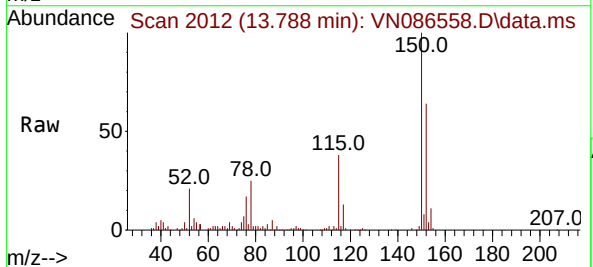
Tgt Ion:117 Resp: 289880
Ion Ratio Lower Upper
117 100
82 54.5 44.7 67.1
119 31.8 26.4 39.6

Manual Integrations
APPROVED

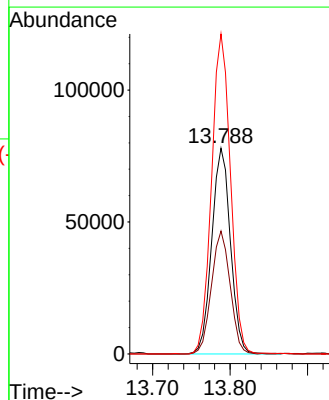
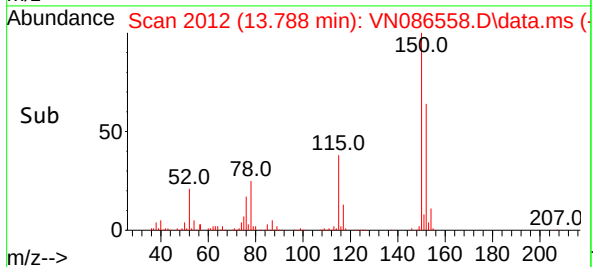
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

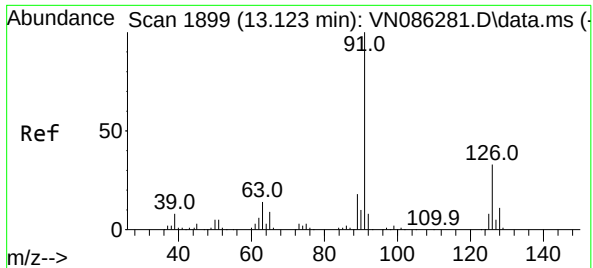


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31



Tgt Ion:152 Resp: 130900
Ion Ratio Lower Upper
152 100
115 59.6 31.9 95.9
150 156.8 0.0 352.0





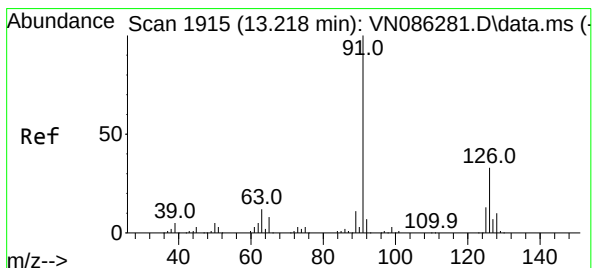
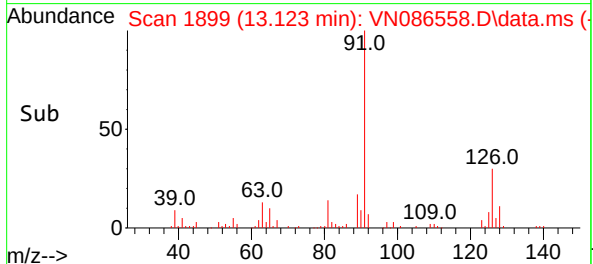
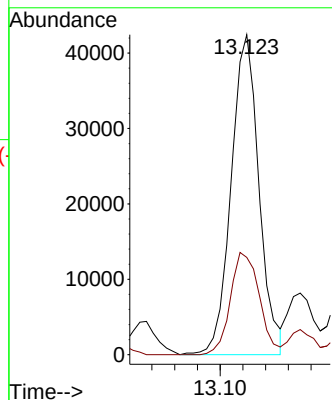
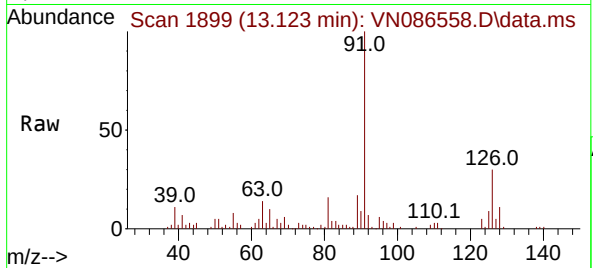
#79
2-Chlorotoluene
Concen: 9.142 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
GB2RE

Tgt Ion: 91 Resp: 7218
Ion Ratio Lower Upper
91 100
126 33.3 16.1 48.2

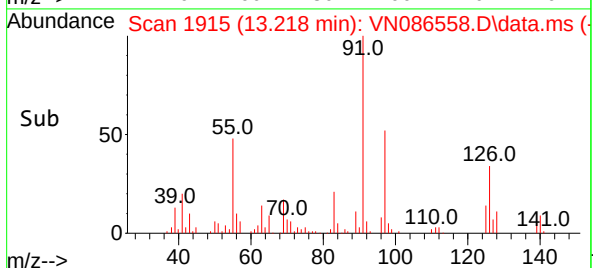
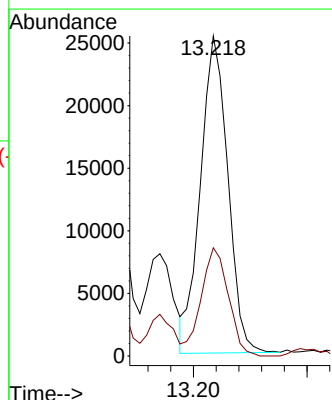
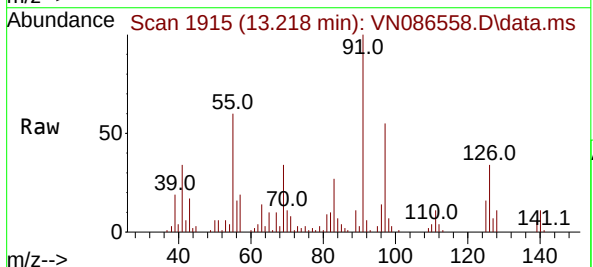
Manual Integrations
APPROVED

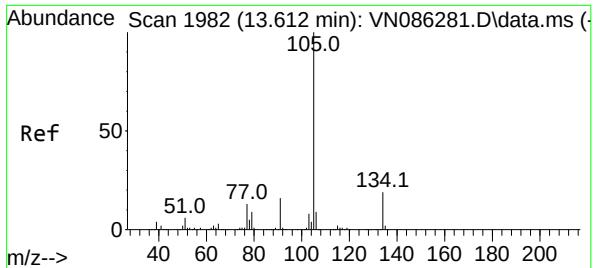
Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025



#82
4-Chlorotoluene
Concen: 5.403 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN086558.D
Acq: 09 May 2025 13:31

Tgt Ion: 91 Resp: 42374
Ion Ratio Lower Upper
91 100
126 34.1 16.2 48.6





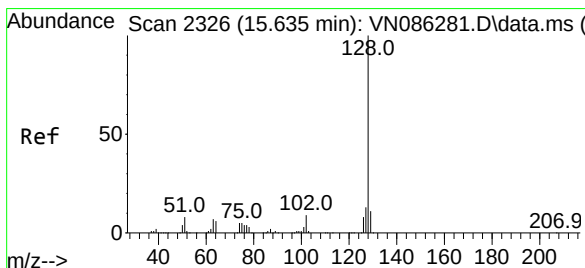
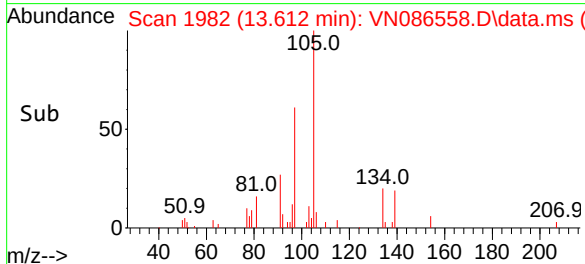
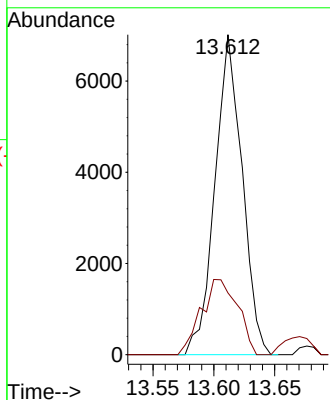
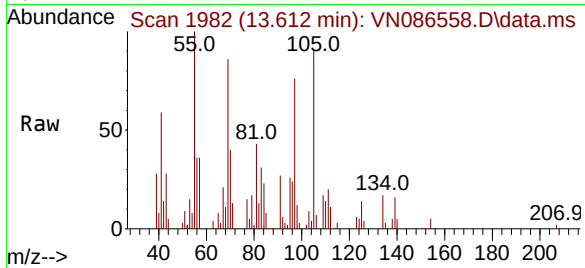
#85
 sec-Butylbenzene
 Concen: 1.036 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086558.D
 Acq: 09 May 2025 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 GB2RE

Tgt Ion:105 Resp: 10910
 Ion Ratio Lower Upper
 105 100
 134 31.4 9.7 29.1

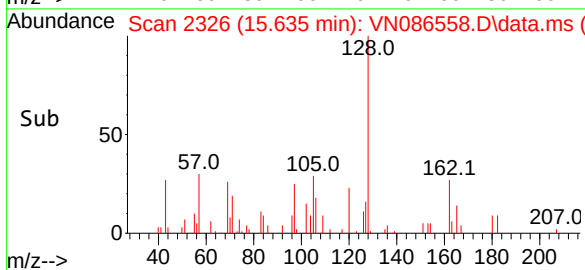
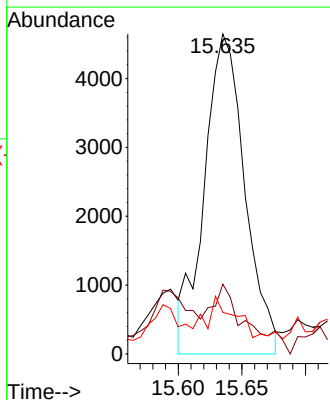
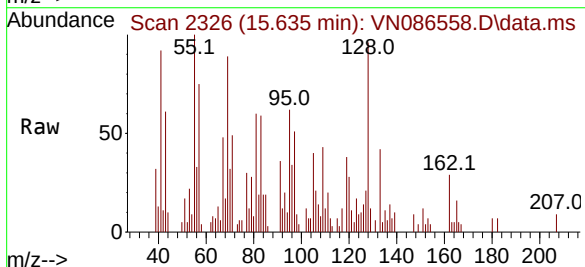
Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/12/2025
 Supervised By :Mahesh Dadoda 05/12/2025



#95
 Naphthalene
 Concen: 1.408 ug/l m
 RT: 15.635 min Scan# 2326
 Delta R.T. 0.000 min
 Lab File: VN086558.D
 Acq: 09 May 2025 13:31

Tgt Ion:128 Resp: 10333
 Ion Ratio Lower Upper
 128 100
 127 19.2 10.2 15.4#
 129 7.6 8.6 13.0#



Report of Analysis

Client:	G Environmental		Date Collected:	05/01/25	
Project:	Amsterdam		Date Received:	05/01/25	
Client Sample ID:	GB2B		SDG No.:	Q1939	
Lab Sample ID:	Q1939-04		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	85.4	
Sample Wt/Vol:	7.21	Units: g	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
VY022134.D	1		05/02/25 17:11	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	4.10	ug/Kg
74-87-3	Chloromethane	0.93	U	0.93	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.10	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.81	U	0.81	4.10	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.3	ug/Kg
75-15-0	Carbon Disulfide	0.86	U	0.86	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.59	U	0.59	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
110-82-7	Cyclohexane	0.64	U	0.64	4.10	ug/Kg
78-93-3	2-Butanone	5.30	U	5.30	20.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.79	U	0.79	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	4.10	ug/Kg
74-97-5	Bromochloromethane	0.93	U	0.93	4.10	ug/Kg
67-66-3	Chloroform	0.68	U	0.68	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
108-87-2	Methylcyclohexane	1.20	J	0.74	4.10	ug/Kg
71-43-2	Benzene	0.64	U	0.64	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.64	U	0.64	4.10	ug/Kg
79-01-6	Trichloroethene	0.66	U	0.66	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.74	U	0.74	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.3	ug/Kg
108-88-3	Toluene	0.63	U	0.63	4.10	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.4
Sample Wt/Vol:	7.21	Units: g	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
VY022134.D	1		05/02/25 17:11	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.75	U	0.75	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.3	ug/Kg
124-48-1	Dibromochloromethane	0.71	U	0.71	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.71	U	0.71	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.85	U	0.85	4.10	ug/Kg
108-90-7	Chlorobenzene	1.50	J	0.74	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.10	ug/Kg
179601-23-1	m/p-Xylenes	2.10	J	1.00	8.10	ug/Kg
95-47-6	o-Xylene	0.93	J	0.67	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.63	U	0.63	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.98	U	0.98	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.80	J	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		70 (38) - 130 (136)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	337000	7.707			
540-36-3	1,4-Difluorobenzene	634000	8.609			
3114-55-4	Chlorobenzene-d5	584000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	245000	13.346			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB2B	SDG No.:	Q1939
Lab Sample ID:	Q1939-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.4
Sample Wt/Vol:	7.21 Units: g	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
VY022134.D	1		05/02/25 17:11	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-49-8	2-Chlorotoluene	58.2	J		12.7	ug/Kg
106-43-4	4-Chlorotoluene	38.0	J		12.8	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	2.00	J		13.0	ug/Kg
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	8.50	J		13.9	ug/Kg
001560-06-1	Benzene, 2-butenyl-	4.50	J		14.0	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	4.10	J		14.2	ug/Kg
032768-54-0	Benzene, 1,2-dichloro-3-methyl-	38.8	J		14.4	ug/Kg
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	10.3	J		14.6	ug/Kg
017057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethy	5.80	J		14.9	ug/Kg
017059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethy	6.50	J		15.0	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	5.20	J		15.6	ug/Kg
000091-57-6	Naphthalene, 2-methyl-	8.60	J		16.4	ug/Kg

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_Y\Data\VY050225\
 Data File : VY022134.D
 Acq On : 02 May 2025 17:11
 Operator : SY/MD
 Sample : Q1939-04
 Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB2B

Quant Time: May 03 02:52:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

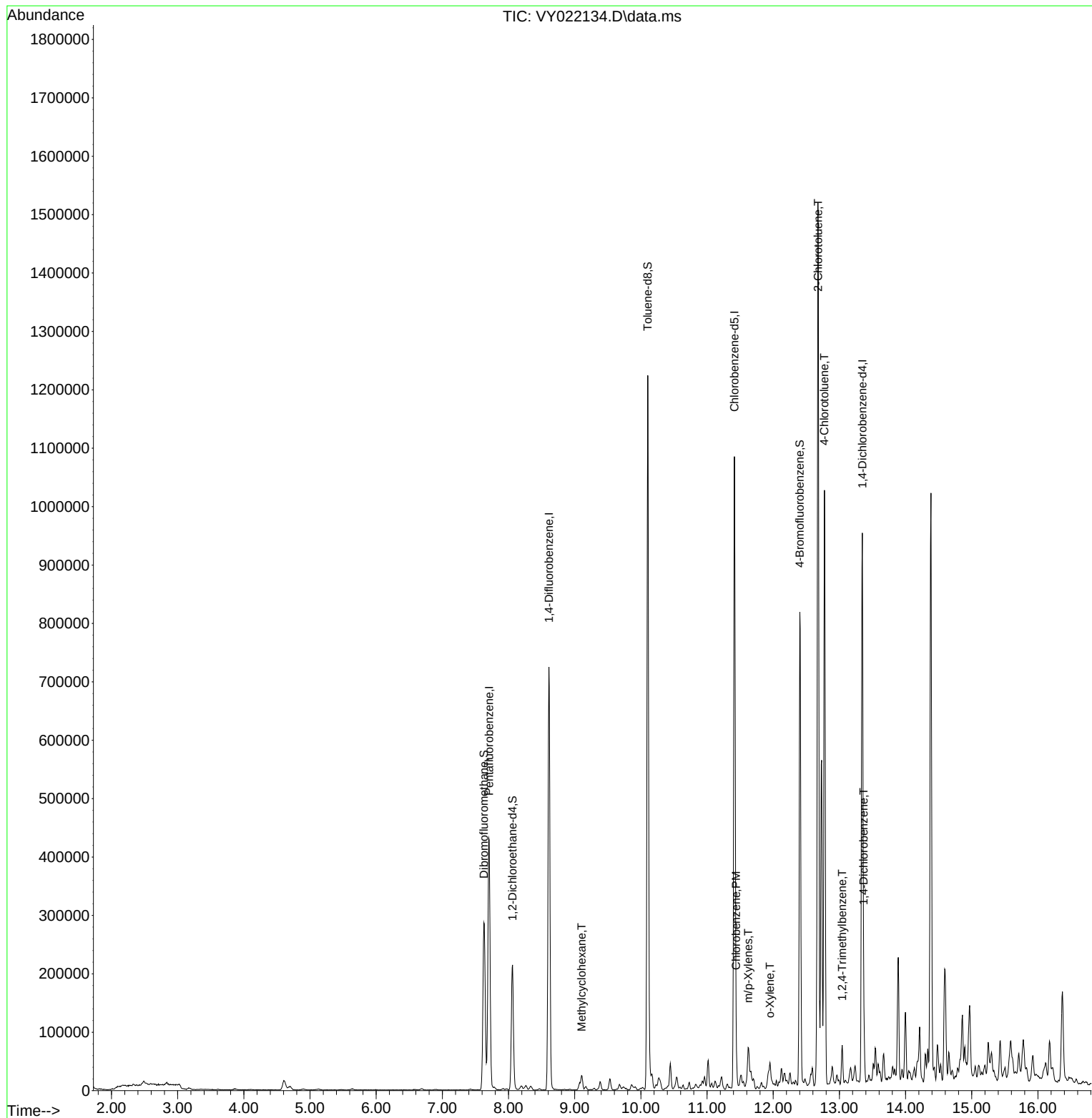
Internal Standards						
1) Pentafluorobenzene	7.707	168	337342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	633879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	583504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171793	55.133	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.260%			
35) Dibromofluoromethane	7.628	113	211594	50.527	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.060%			
50) Toluene-d8	10.103	98	771843	48.889	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.780%			
62) 4-Bromofluorobenzene	12.401	95	245481	46.188	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.380%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.103	83	10145	1.433	ug/l #	79
65) Chlorobenzene	11.438	112	24024	1.841	ug/l #	88
68) m/p-Xylenes	11.621	106	22301	2.626	ug/l	95
69) o-Xylene	11.950	106	8928	1.140	ug/l	94
79) 2-Chlorotoluene	12.676	91	814084	71.710	ug/l	98
82) 4-Chlorotoluene	12.773	91	552666	46.831	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	33886	2.508	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	39106	4.694	ug/l	94

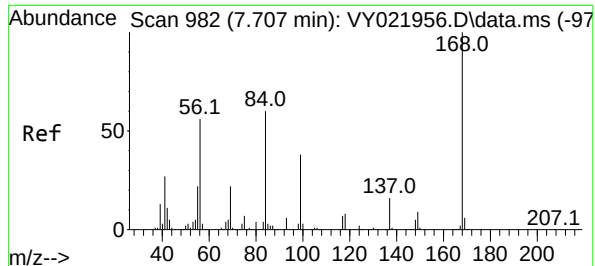
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Time: May 03 02:52:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

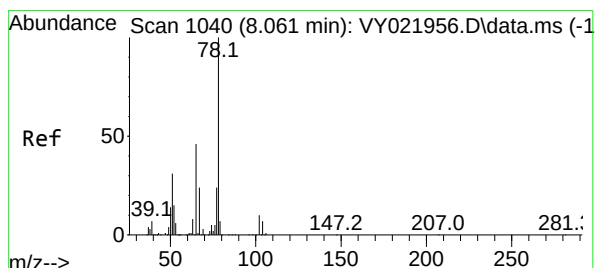
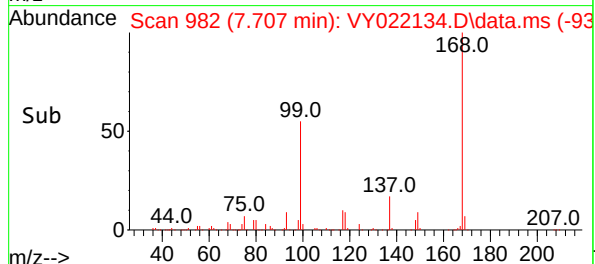
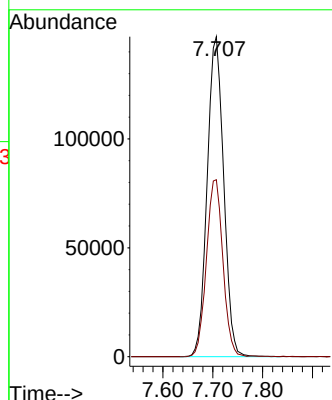
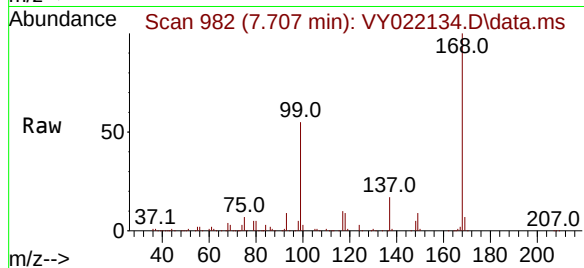




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

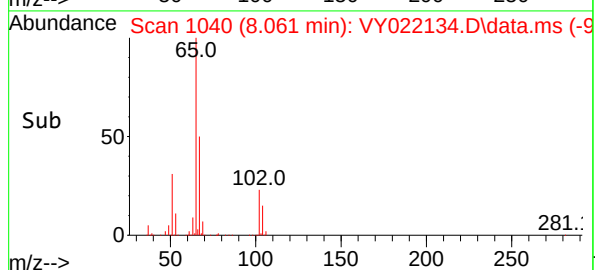
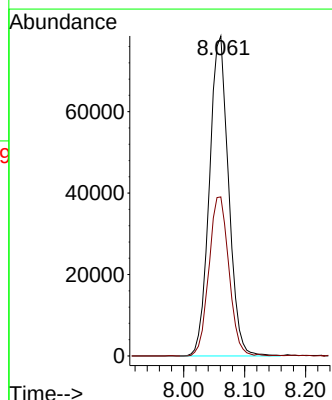
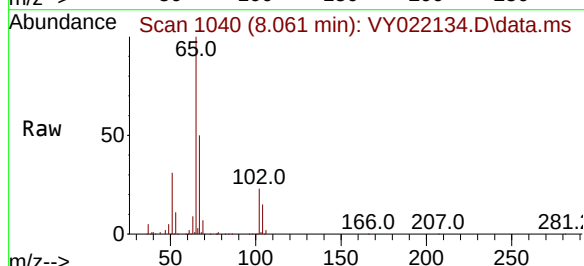
Instrument :
MSVOA_Y
ClientSampleId :
GB2B

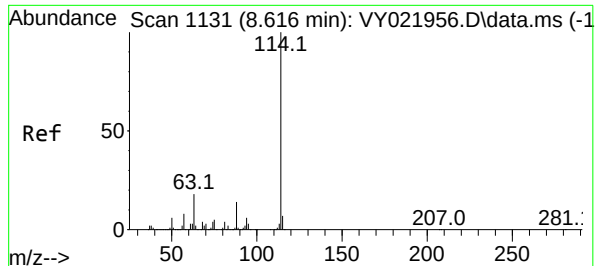
Tgt Ion:168 Resp: 337342
Ion Ratio Lower Upper
168 100
99 55.3 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 55.133 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 65 Resp: 171793
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

GB2B

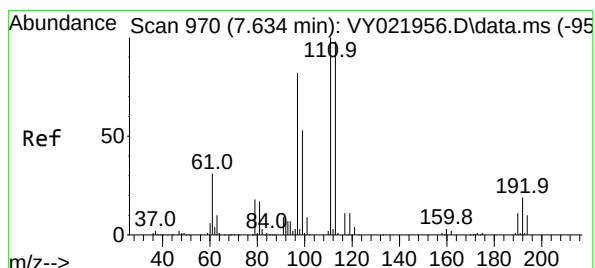
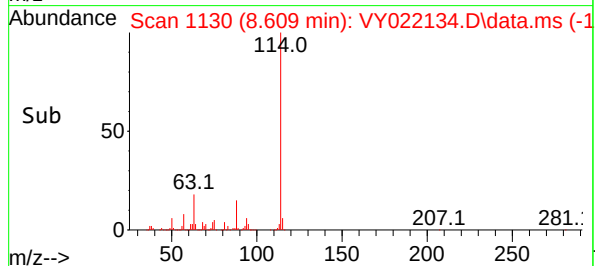
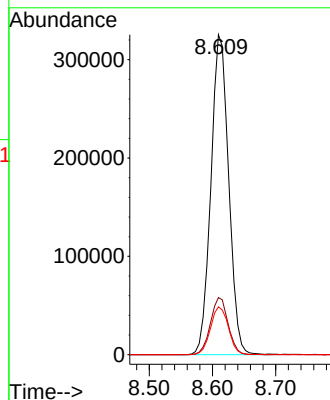
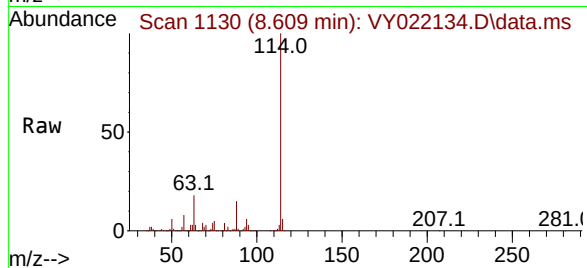
Tgt Ion:114 Resp: 633879

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

88 15.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.527 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

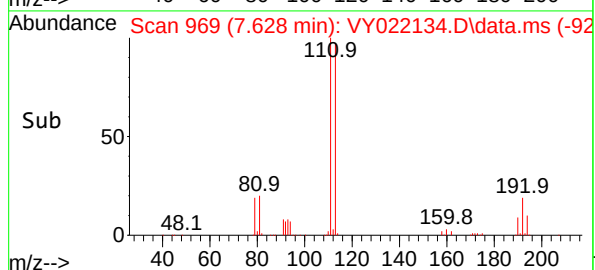
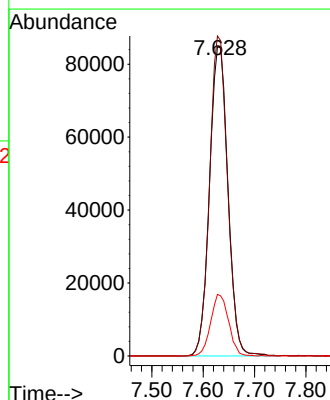
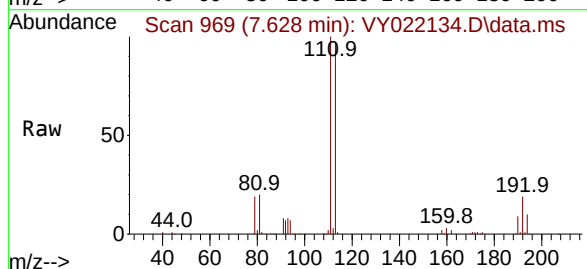
Tgt Ion:113 Resp: 211594

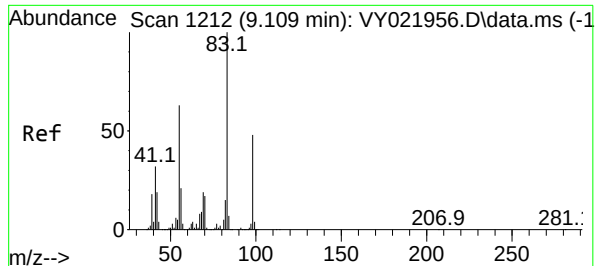
Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.8

192 19.3 15.6 23.4





#39

Methylcyclohexane

Concen: 1.433 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

GB2B

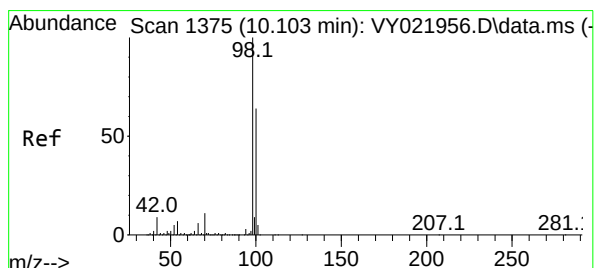
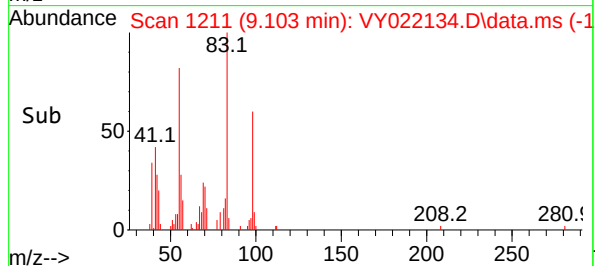
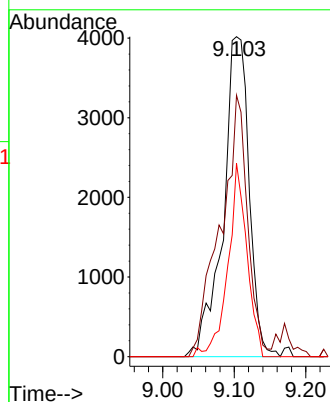
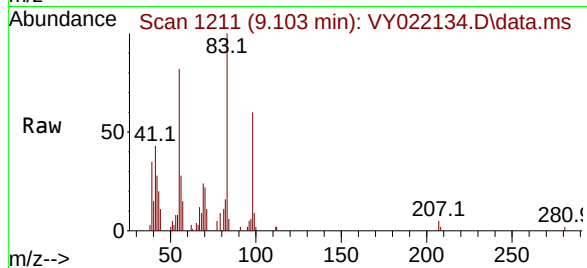
Tgt Ion: 83 Resp: 10145

Ion Ratio Lower Upper

83 100

55 81.7 50.6 75.8#

98 60.4 38.6 58.0#



#50

Toluene-d8

Concen: 48.889 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022134.D

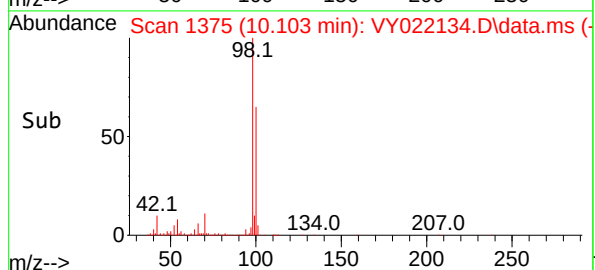
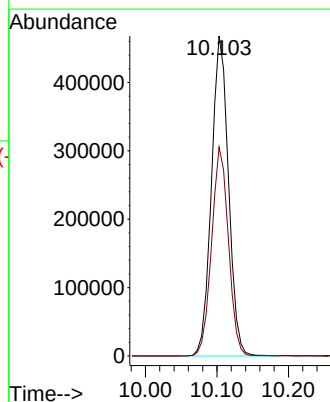
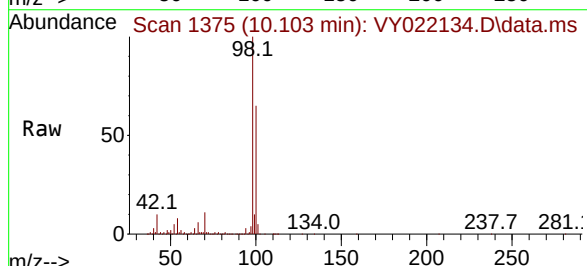
Acq: 02 May 2025 17:11

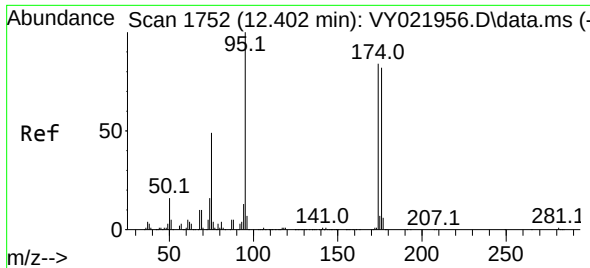
Tgt Ion: 98 Resp: 771843

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4

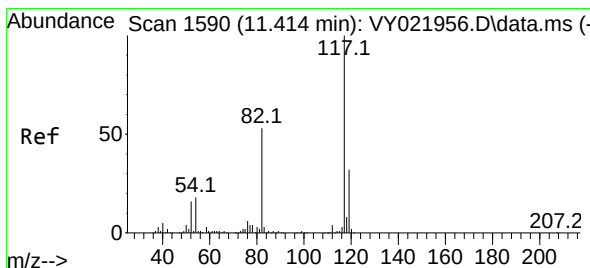
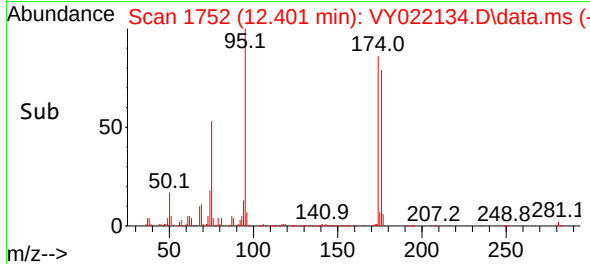
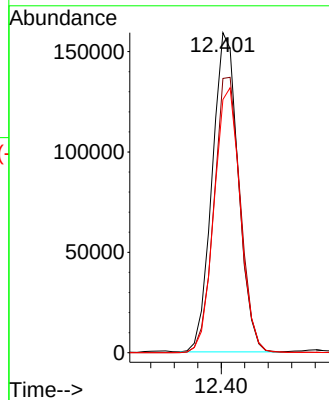
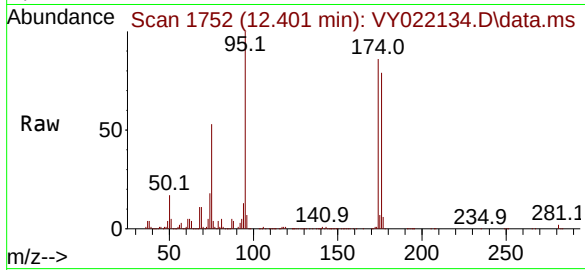




#62
4-Bromofluorobenzene
Concen: 46.188 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

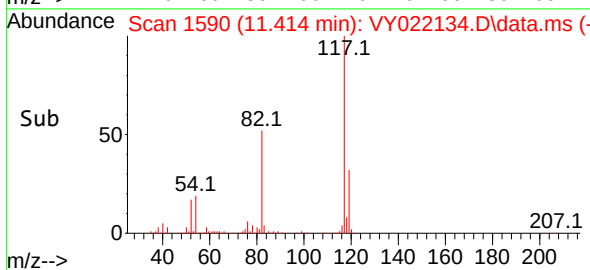
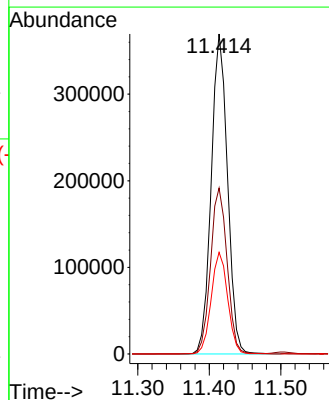
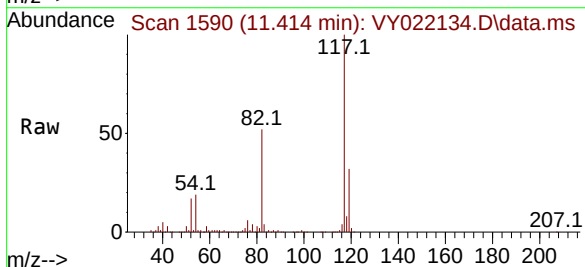
Instrument :
MSVOA_Y
ClientSampleId :
GB2B

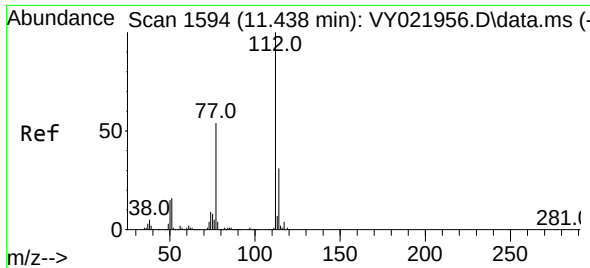
Tgt Ion: 95 Resp: 245481
Ion Ratio Lower Upper
95 100
174 87.3 0.0 179.0
176 83.4 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022134.D
Acq: 02 May 2025 17:11

Tgt Ion: 117 Resp: 583504
Ion Ratio Lower Upper
117 100
82 51.8 42.1 63.1
119 31.7 25.7 38.5





#65

Chlorobenzene

Concen: 1.841 ug/l

RT: 11.438 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

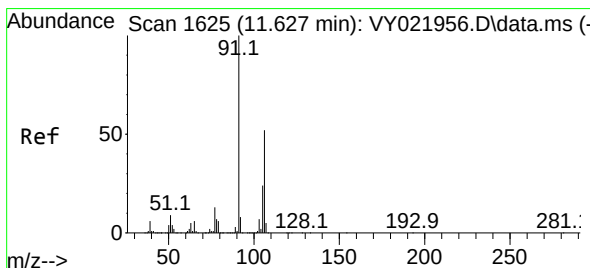
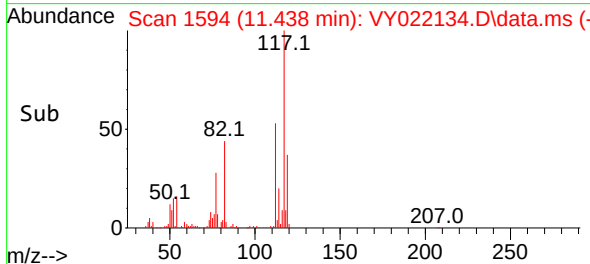
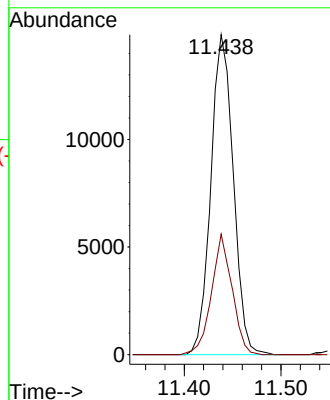
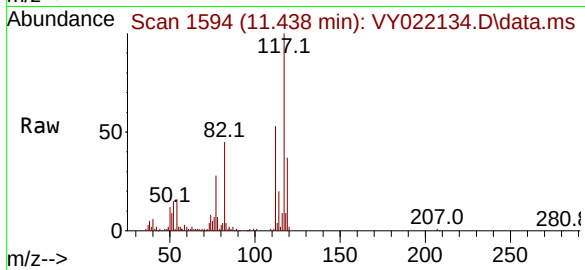
GB2B

Tgt Ion:112 Resp: 24024

Ion Ratio Lower Upper

112 100

114 37.6 25.0 37.4#



#68

m/p-Xylenes

Concen: 2.626 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.006 min

Lab File: VY022134.D

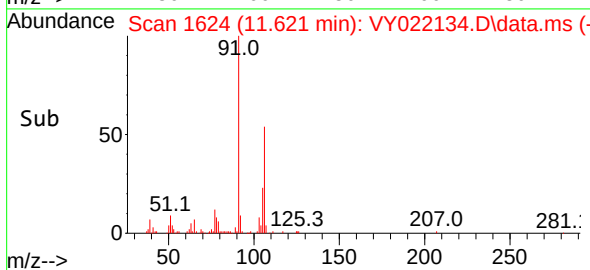
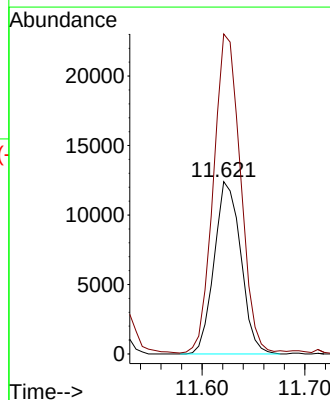
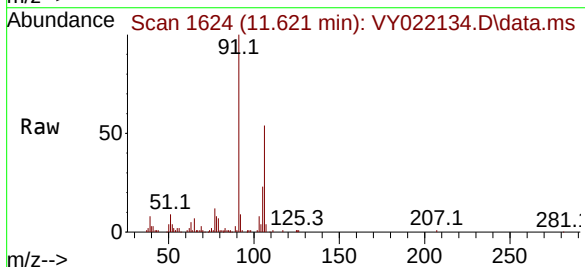
Acq: 02 May 2025 17:11

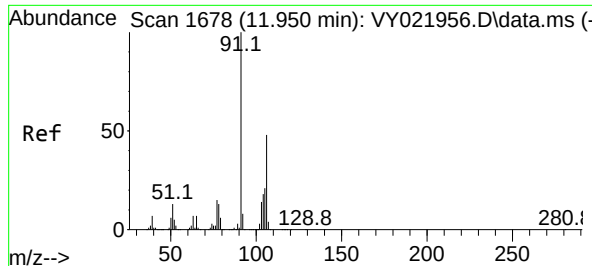
Tgt Ion:106 Resp: 22301

Ion Ratio Lower Upper

106 100

91 187.9 156.2 234.2





#69

o-Xylene

Concen: 1.140 ug/l

RT: 11.950 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

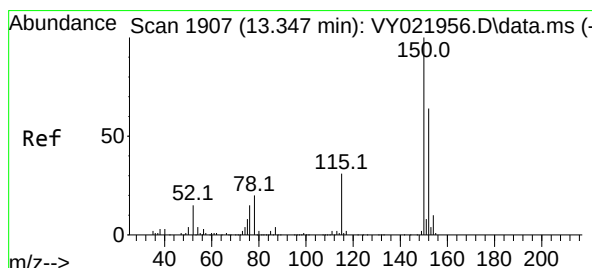
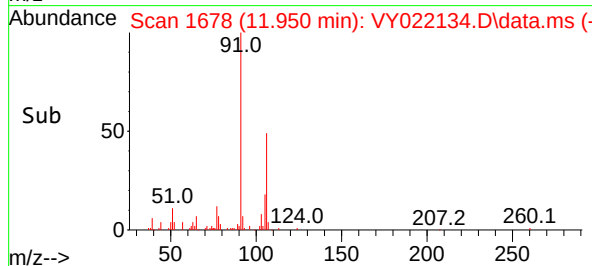
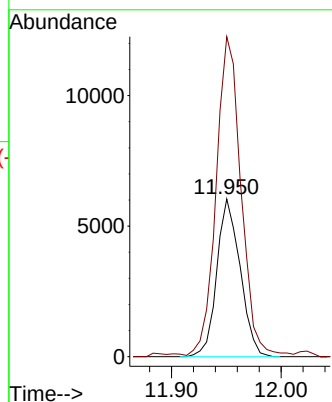
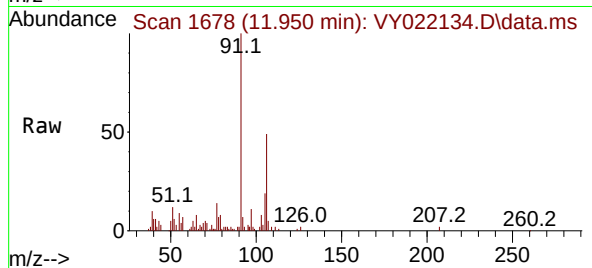
GB2B

Tgt Ion:106 Resp: 8928

Ion Ratio Lower Upper

106 100

91 214.6 103.0 308.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

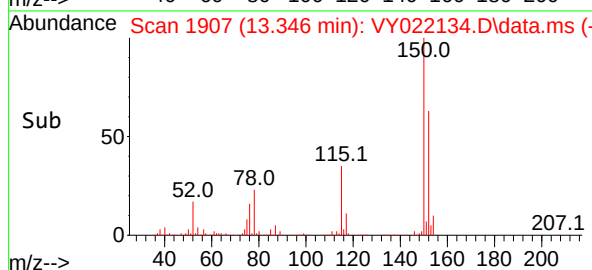
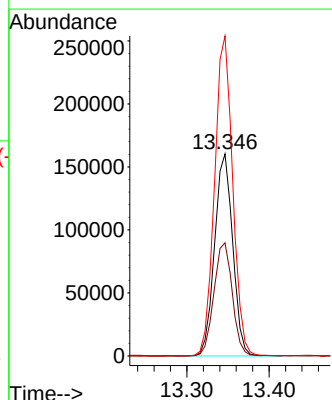
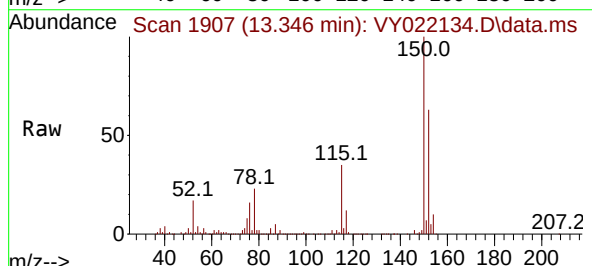
Tgt Ion:152 Resp: 245346

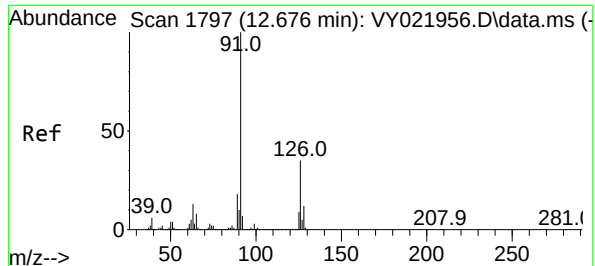
Ion Ratio Lower Upper

152 100

115 57.0 28.0 84.0

150 158.7 0.0 345.6





#79

2-Chlorotoluene

Concen: 71.710 ug/l

RT: 12.676 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

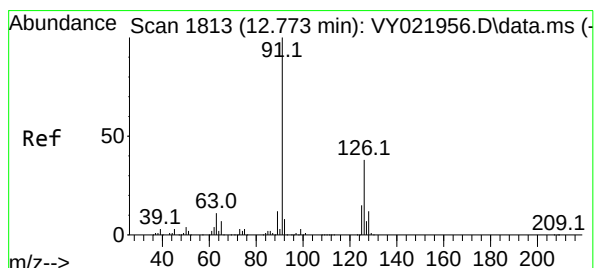
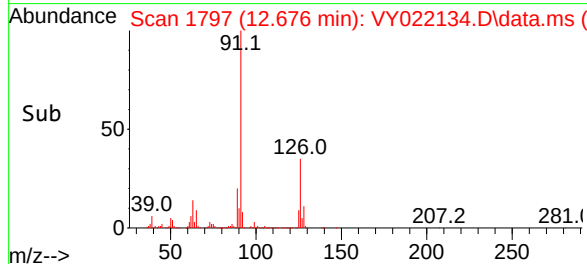
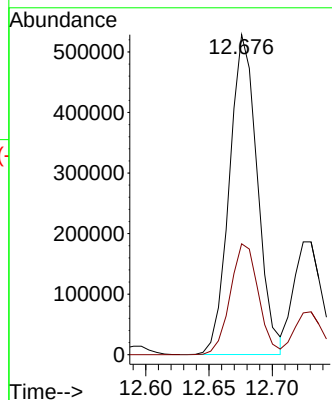
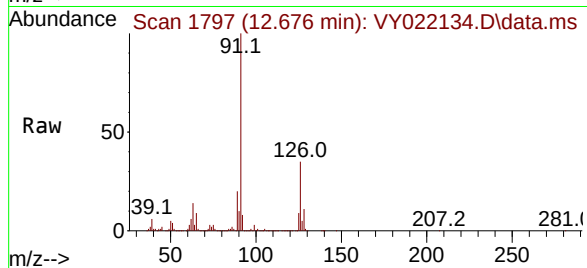
GB2B

Tgt Ion: 91 Resp: 814084

Ion Ratio Lower Upper

91 100

126 34.8 17.9 53.8



#82

4-Chlorotoluene

Concen: 46.831 ug/l

RT: 12.773 min Scan# 1813

Delta R.T. -0.000 min

Lab File: VY022134.D

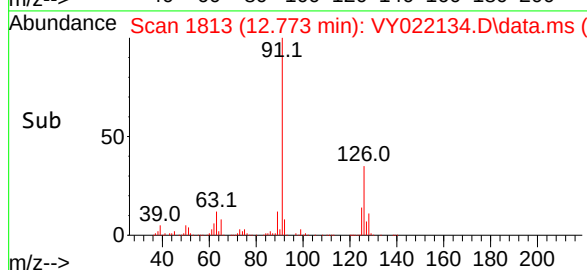
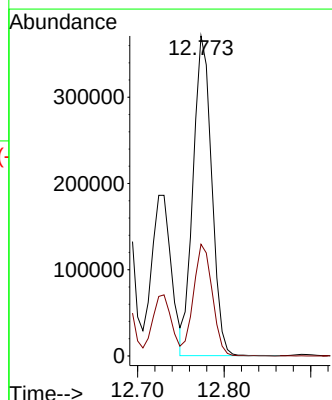
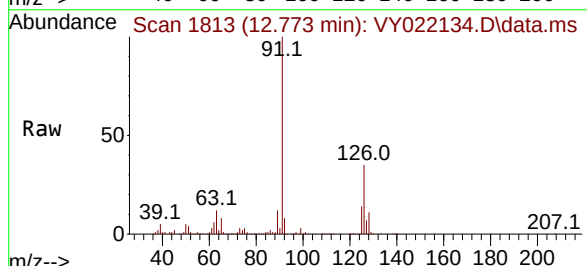
Acq: 02 May 2025 17:11

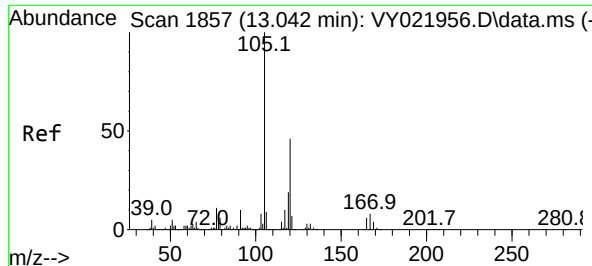
Tgt Ion: 91 Resp: 552666

Ion Ratio Lower Upper

91 100

126 35.5 17.9 53.8





#84

1,2,4-Trimethylbenzene

Concen: 2.508 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

Instrument :

MSVOA_Y

ClientSampleId :

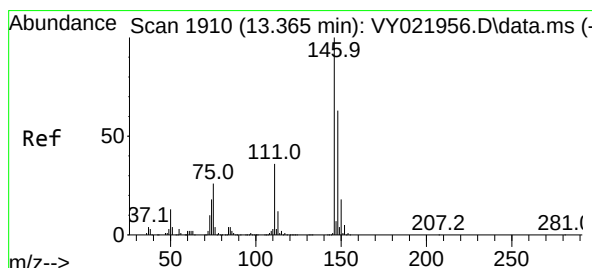
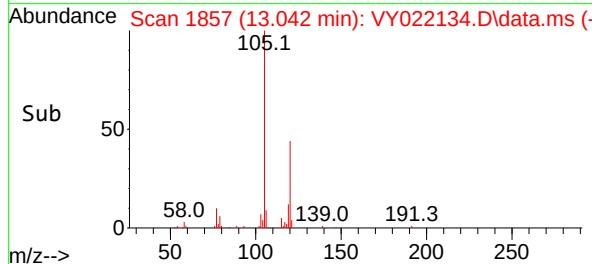
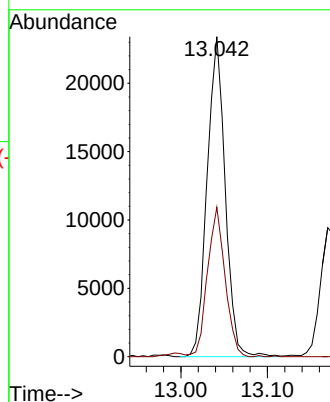
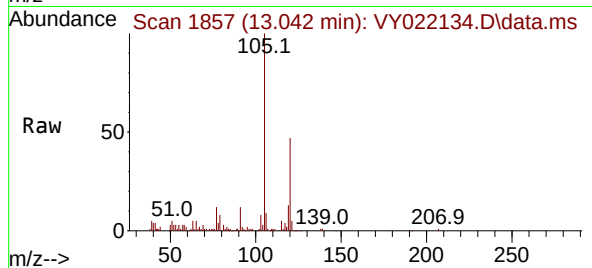
GB2B

Tgt Ion:105 Resp: 33886

Ion Ratio Lower Upper

105 100

120 45.5 23.4 70.0



#88

1,4-Dichlorobenzene

Concen: 4.694 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.000 min

Lab File: VY022134.D

Acq: 02 May 2025 17:11

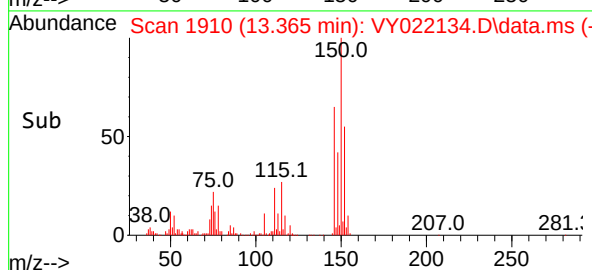
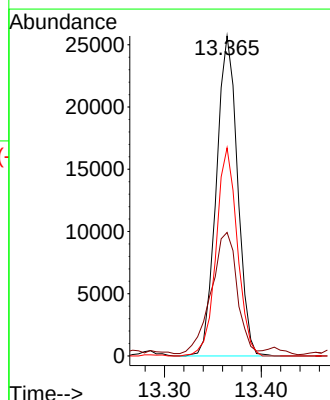
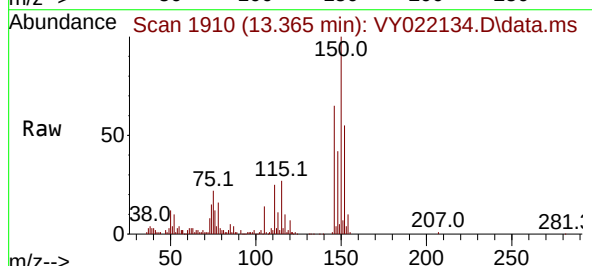
Tgt Ion:146 Resp: 39106

Ion Ratio Lower Upper

146 100

111 46.3 19.2 57.6

148 64.8 32.0 96.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022134.D
 Acq On : 02 May 2025 17:11
 Operator : SY/MD
 Sample : Q1939-04
 Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB2B

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_Y\methods\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY022134.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.604	464	473	482	rBV3	16143	53998	2.24%	0.250%
2	7.628	957	969	975	rBV	286316	696080	28.92%	3.220%
3	7.701	975	981	993	rVB	427853	990603	41.15%	4.583%
4	8.061	1030	1040	1052	rBV	213768	478484	19.88%	2.213%
5	8.609	1120	1130	1144	rBV	724477	1418807	58.94%	6.563%
6	9.103	1207	1211	1217	rVB4	23308	47537	1.97%	0.220%
7	9.384	1248	1257	1264	rBV	14080	29067	1.21%	0.134%
8	9.530	1272	1281	1291	rVB4	18825	39099	1.62%	0.181%
9	10.103	1367	1375	1383	rBV	1222472	2061017	85.62%	9.534%
10	10.274	1398	1403	1413	rVB5	20185	57677	2.40%	0.267%
11	10.444	1426	1431	1438	rVB2	43418	75046	3.12%	0.347%
12	10.536	1438	1446	1452	rBV4	20080	45666	1.90%	0.211%
13	11.018	1520	1525	1530	rVB	45673	75880	3.15%	0.351%
14	11.219	1552	1558	1566	rVB4	21204	48555	2.02%	0.225%
15	11.414	1583	1590	1600	rBV	1081267	1787938	74.27%	8.271%
16	11.511	1601	1606	1610	rBV2	17660	33497	1.39%	0.155%
17	11.621	1616	1624	1629	rBV	66825	149838	6.22%	0.693%
18	11.700	1635	1637	1643	rVB3	17565	26271	1.09%	0.122%
19	11.950	1666	1678	1687	rBV4	44219	142282	5.91%	0.658%
20	12.127	1702	1707	1710	rBV	23700	34810	1.45%	0.161%
21	12.255	1724	1728	1733	rVB	18950	27627	1.15%	0.128%
22	12.401	1746	1752	1762	rBV	809850	1285377	53.40%	5.946%
23	12.590	1773	1783	1788	rVB2	30639	71997	2.99%	0.333%
24	12.676	1788	1797	1802	rBV	1512267	2407271	100.00%	11.136%
25	12.731	1802	1806	1809	rVV	552043	858270	35.65%	3.970%
26	12.773	1809	1813	1821	rVB	1016952	1513474	62.87%	7.001%
27	12.889	1825	1832	1839	rBV	29629	59251	2.46%	0.274%
28	13.042	1852	1857	1862	rBV	67129	100528	4.18%	0.465%
29	13.170	1871	1878	1883	rBV2	26140	56024	2.33%	0.259%
30	13.237	1883	1889	1894	rVB5	26303	49289	2.05%	0.228%
31	13.346	1900	1907	1916	rVB	939848	1600072	66.47%	7.402%
32	13.511	1930	1934	1936	rBV2	28332	39590	1.64%	0.183%
33	13.541	1936	1939	1943	rVV2	49509	69571	2.89%	0.322%
34	13.584	1943	1946	1950	rVV2	19184	26105	1.08%	0.121%
35	13.669	1955	1960	1966	rBV4	47155	85126	3.54%	0.394%
36	13.804	1978	1982	1985	rBV2	19274	28626	1.19%	0.132%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

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_Y\methods\82Y042225S.M
Title : SW846 8260

37	13.889	1990	1996	2001	rVB2	209430	335320	13.93%	1.551%
38	13.944	2001	2005	2009	rBV	17826	26505	1.10%	0.123%
39	13.999	2009	2014	2019	rVB	113881	176030	7.31%	0.814%
40	14.133	2030	2036	2039	rBV4	20629	36652	1.52%	0.170%
41	14.182	2039	2044	2045	rVV4	28486	45656	1.90%	0.211%
42	14.212	2045	2049	2058	rVB2	94032	163134	6.78%	0.755%
43	14.297	2058	2063	2066	rBV2	47665	78964	3.28%	0.365%
44	14.334	2066	2069	2071	rVV2	40414	50788	2.11%	0.235%
45	14.383	2071	2077	2083	rVB	987896	1528543	63.50%	7.071%
46	14.480	2089	2093	2099	rBV3	59875	111891	4.65%	0.518%
47	14.529	2099	2101	2105	rVB4	27424	33221	1.38%	0.154%
48	14.590	2105	2111	2118	rBV2	190451	405718	16.85%	1.877%
49	14.651	2118	2121	2127	rVV2	46166	80890	3.36%	0.374%
50	14.858	2146	2155	2158	rVV3	104863	227195	9.44%	1.051%
51	14.895	2158	2161	2166	rVV3	49558	92961	3.86%	0.430%
52	14.968	2167	2173	2181	rVB2	120705	254263	10.56%	1.176%
53	15.053	2183	2187	2191	rVB4	18522	27783	1.15%	0.129%
54	15.102	2191	2195	2200	rBV3	20086	39627	1.65%	0.183%
55	15.200	2206	2211	2214	rBV6	16525	27626	1.15%	0.128%
56	15.248	2214	2219	2224	rVV2	53828	101059	4.20%	0.467%
57	15.297	2224	2227	2232	rVB3	33063	52281	2.17%	0.242%
58	15.431	2242	2249	2254	rBV2	66758	127500	5.30%	0.590%
59	15.505	2256	2261	2265	rVB4	17588	31061	1.29%	0.144%
60	15.590	2265	2275	2284	rBV3	62700	203615	8.46%	0.942%
61	15.712	2290	2295	2300	rBV2	33748	56173	2.33%	0.260%
62	15.779	2300	2306	2312	rBV4	54478	114351	4.75%	0.529%
63	15.925	2321	2330	2335	rBV3	43749	101848	4.23%	0.471%
64	16.114	2352	2361	2366	rBV8	25931	70877	2.94%	0.328%
65	16.175	2366	2371	2376	rBV	58164	108151	4.49%	0.500%
66	16.370	2395	2403	2415	rBV	152864	336886	13.99%	1.558%

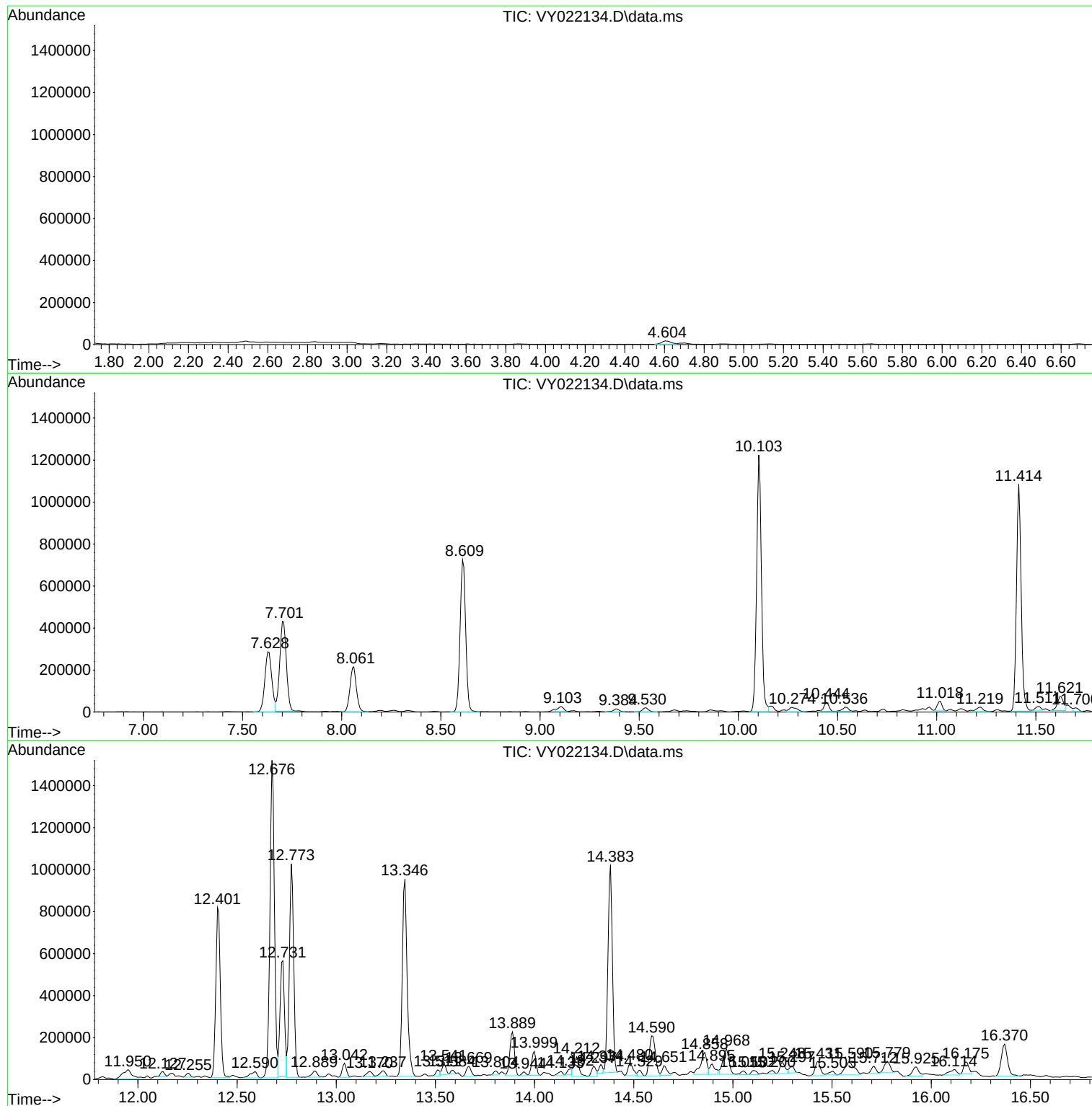
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

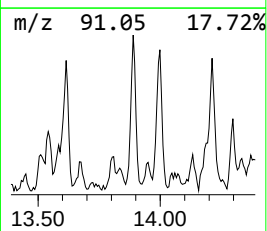
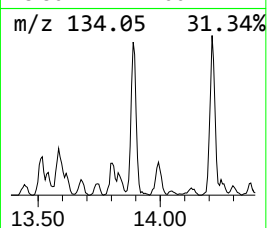
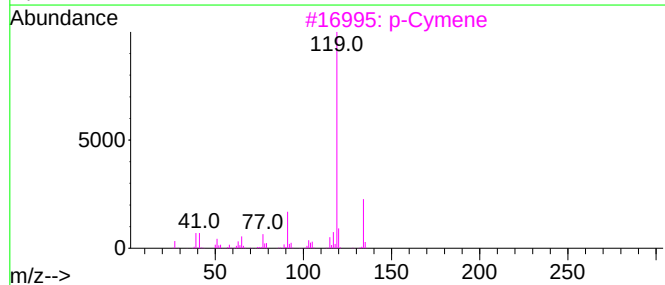
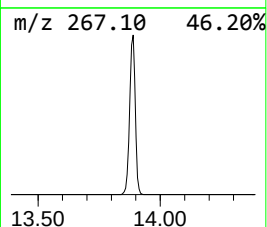
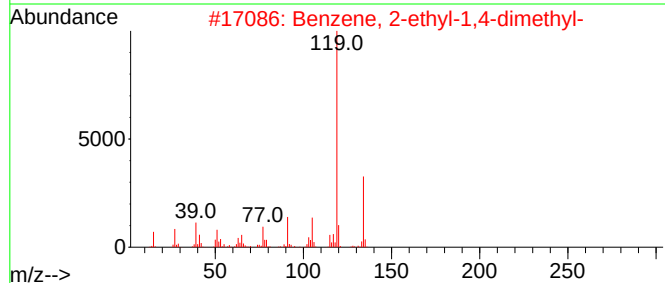
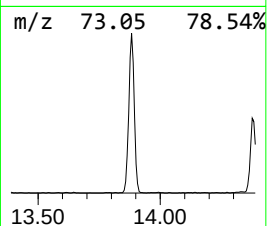
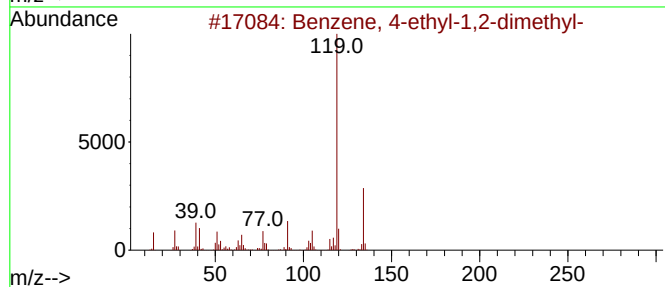
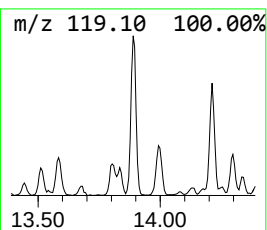
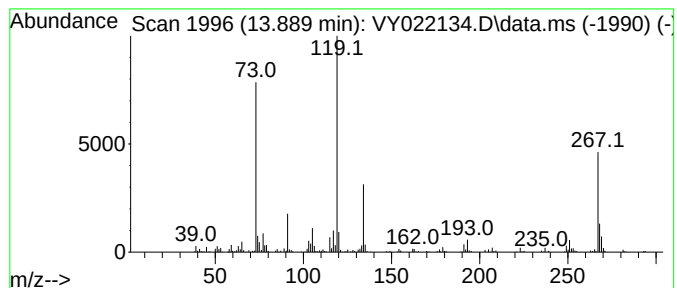
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	10.48 ug/l	335320	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3			p-Cymene	134	C10H14	000099-87-6	91
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5			o-Cymene	134	C10H14	000527-84-4	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

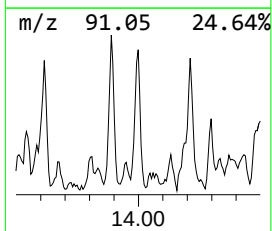
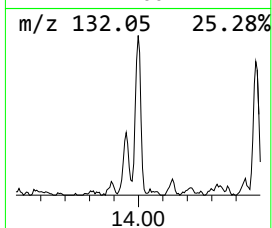
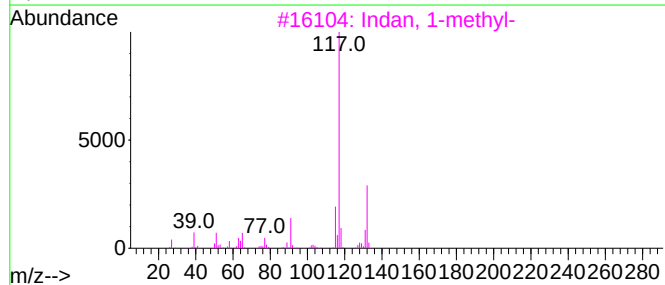
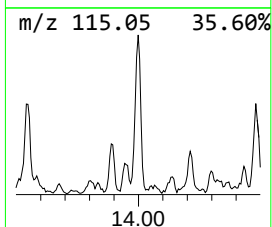
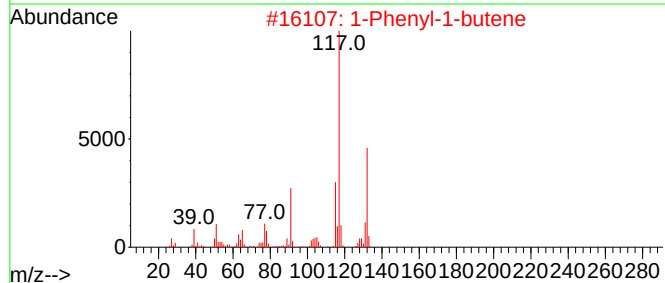
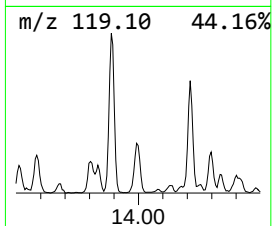
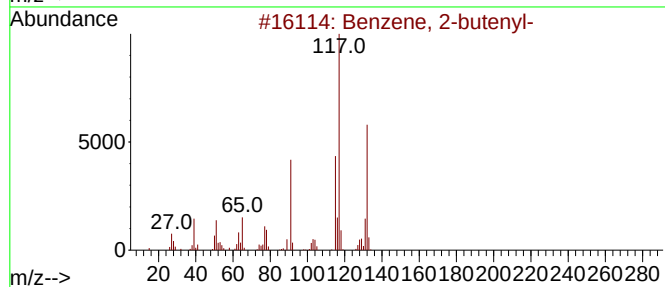
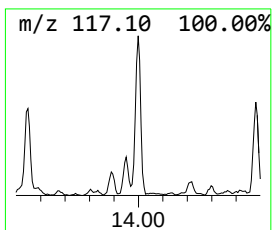
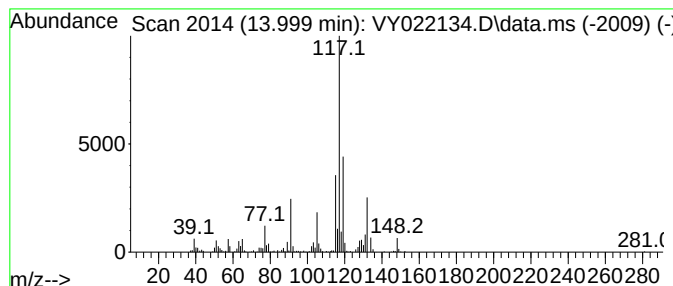
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 2-butenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	5.50 ug/l	176030	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-butenyl-	132	C10H12	001560-06-1	76
2			1-Phenyl-1-butene	132	C10H12	000824-90-8	70
3			Indan, 1-methyl-	132	C10H12	000767-58-8	62
4			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62
5			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	62



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

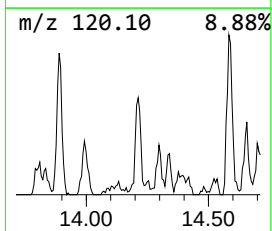
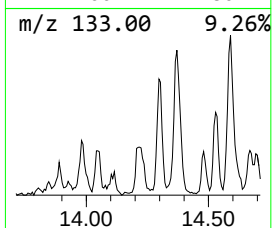
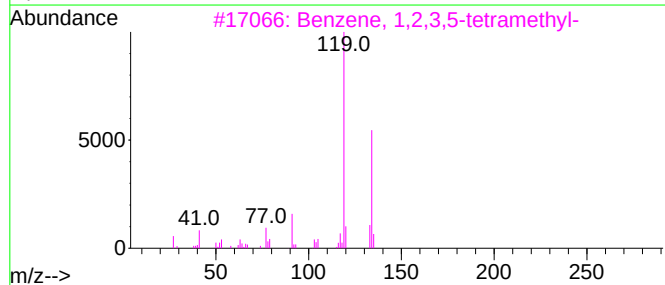
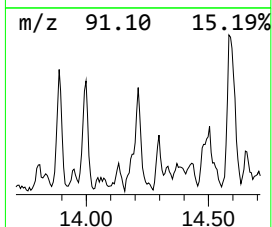
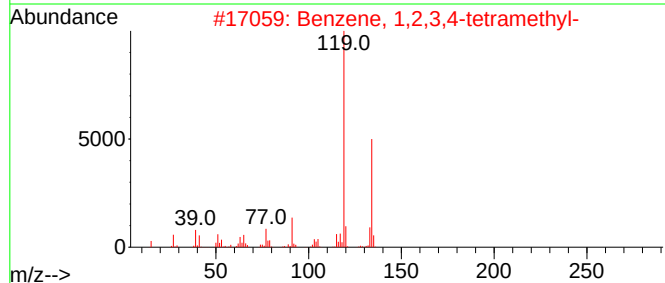
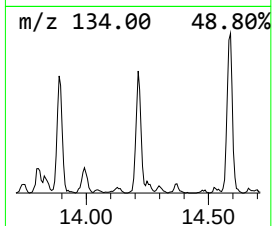
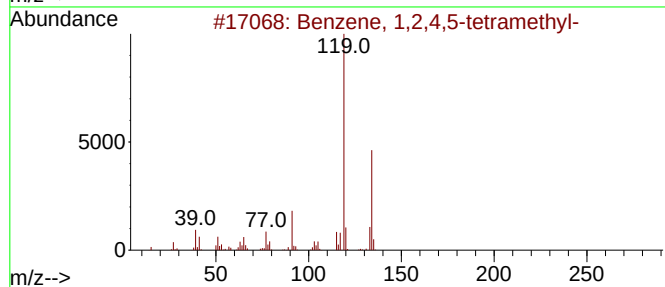
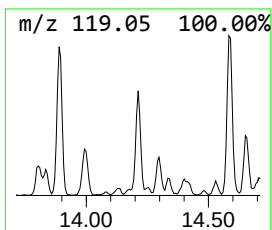
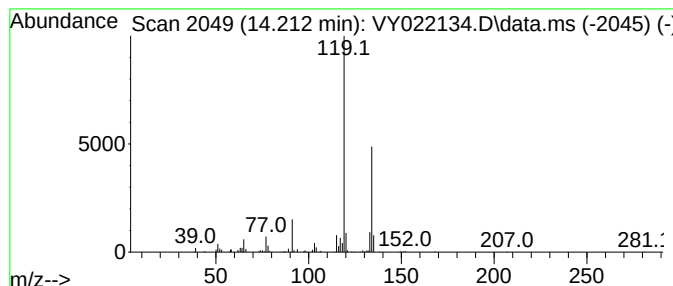
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	5.10 ug/l	163134	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

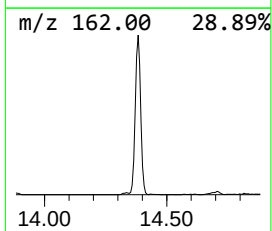
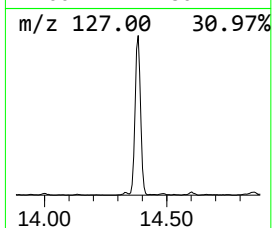
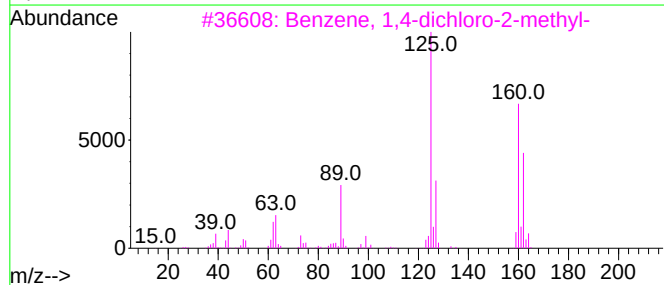
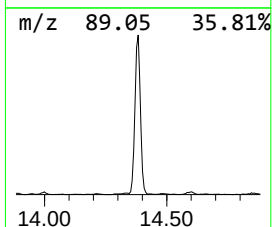
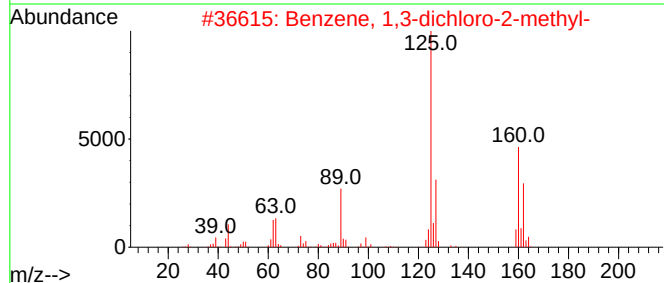
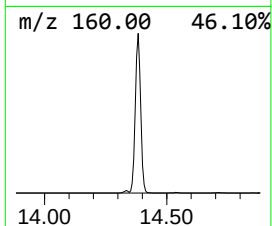
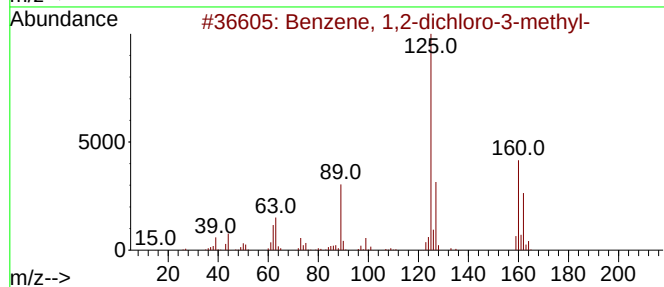
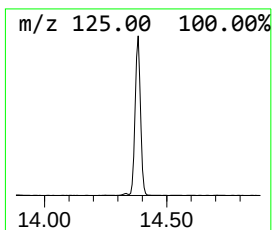
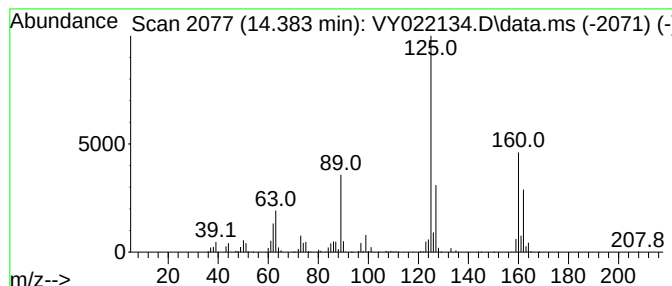
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1,2-dichloro-3-met... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.383	47.76 ug/l	1528540	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2-dichloro-3-methyl-	160	C7H6Cl2	032768-54-0	98
2			Benzene, 1,3-dichloro-2-methyl-	160	C7H6Cl2	000118-69-4	97
3			Benzene, 1,4-dichloro-2-methyl-	160	C7H6Cl2	019398-61-9	96
4			Benzene, 1,3-dichloro-5-methyl-	160	C7H6Cl2	025186-47-4	96
5			Benzene, 1-chloro-2-(chloromethyl)-	160	C7H6Cl2	000611-19-8	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

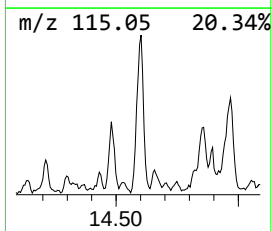
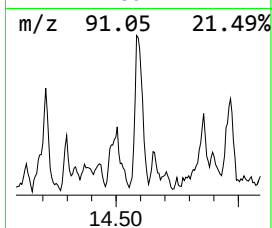
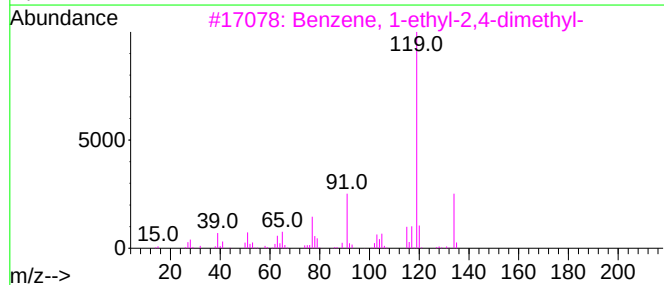
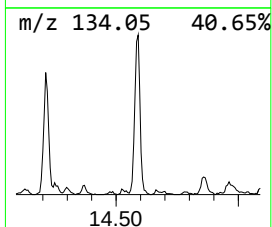
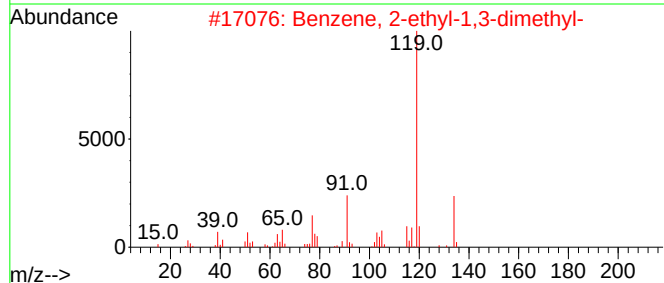
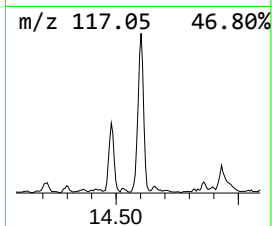
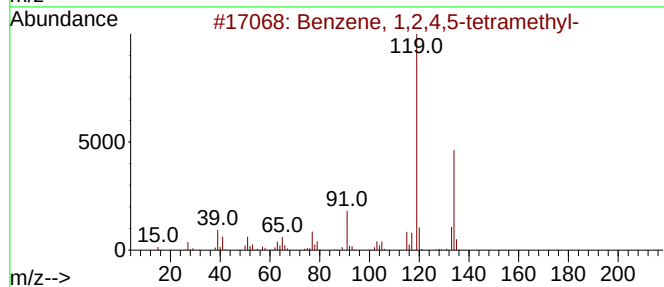
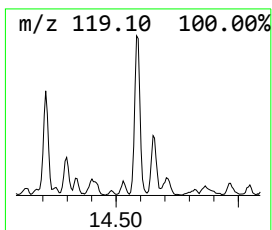
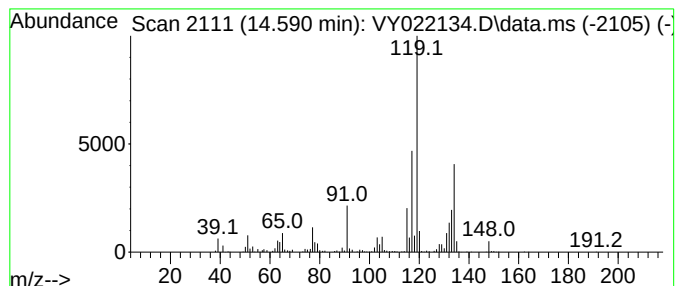
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	12.68 ug/l	405718	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	58
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

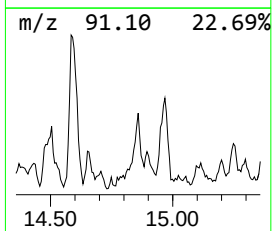
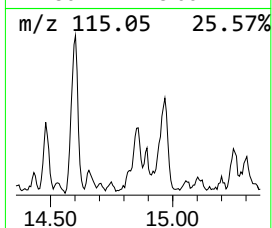
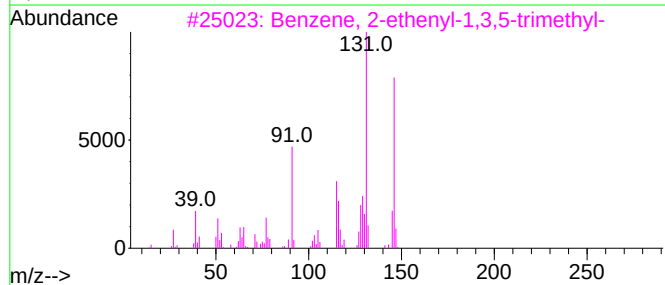
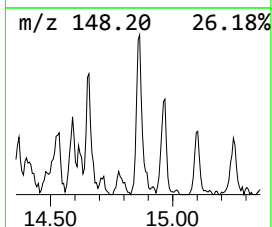
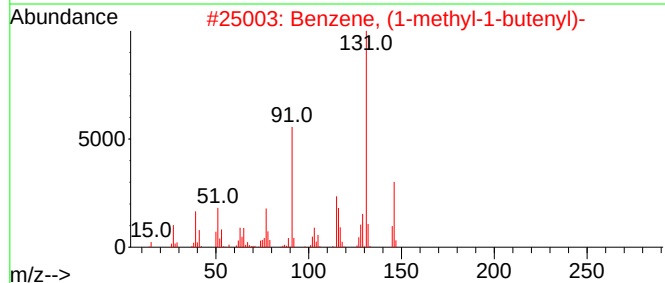
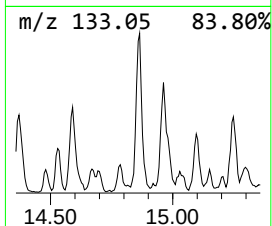
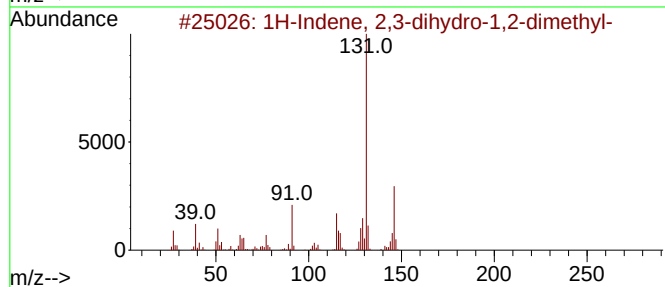
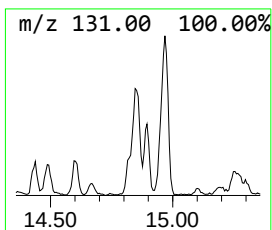
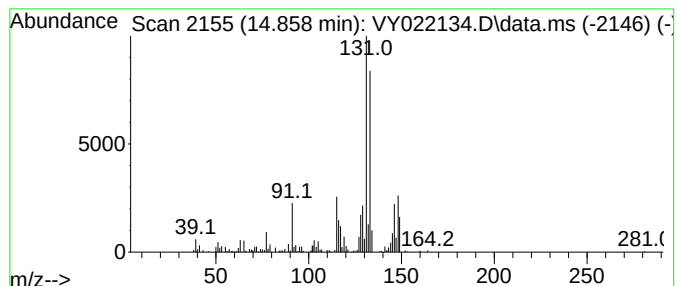
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.858	7.10 ug/l	227195	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
2			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	89
3			Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	55
4			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
5			Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

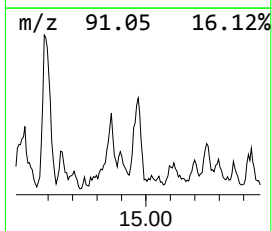
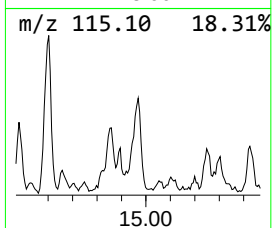
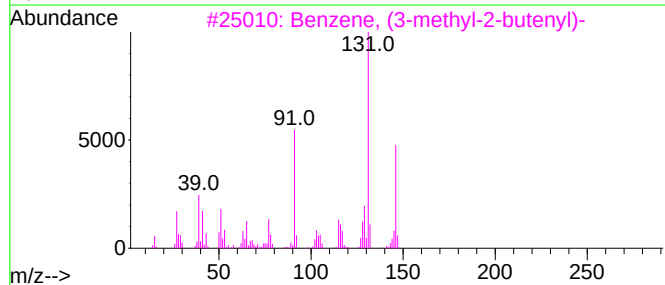
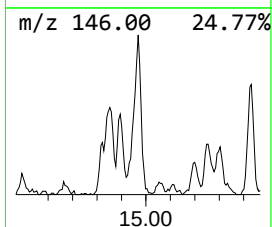
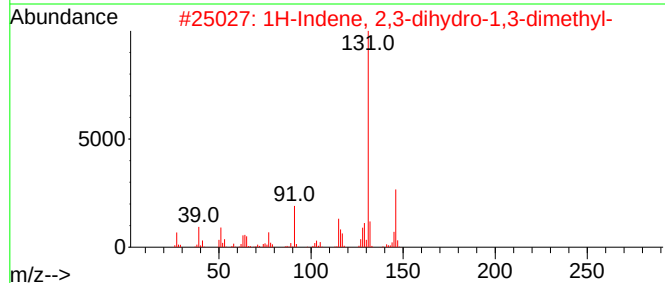
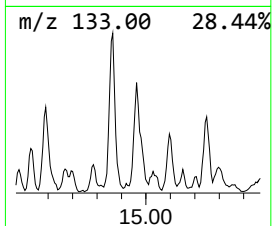
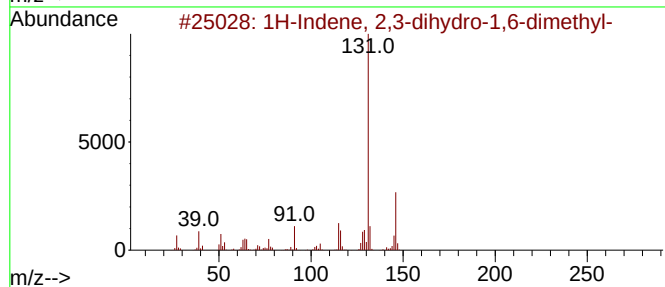
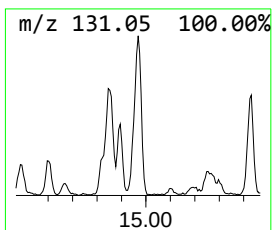
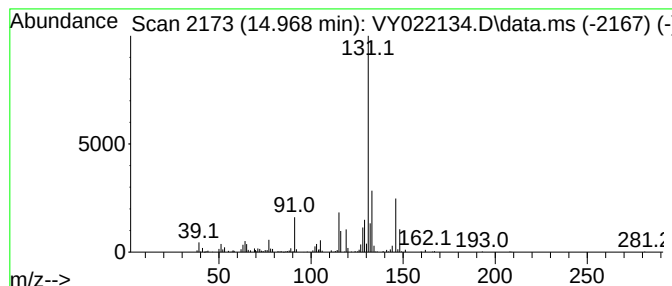
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Quant Title : SW846 8260

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

Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	7.95 ug/l	254263	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
2			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
3			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
4			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
5			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

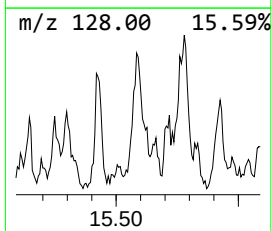
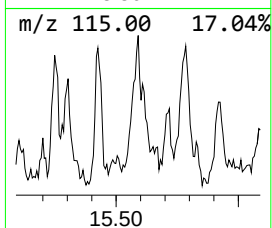
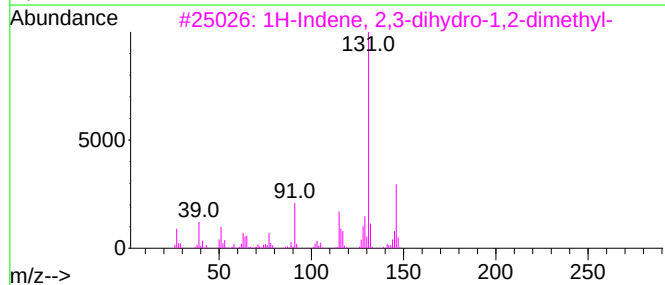
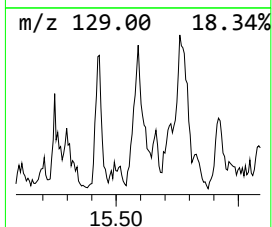
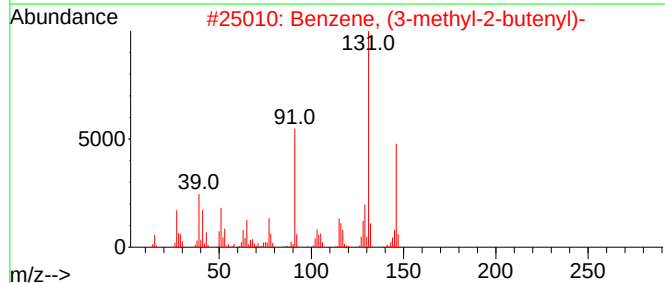
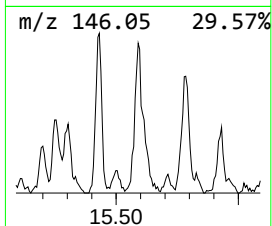
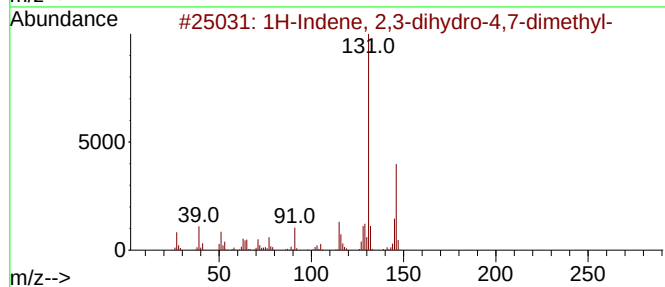
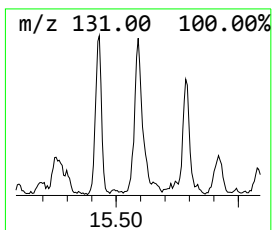
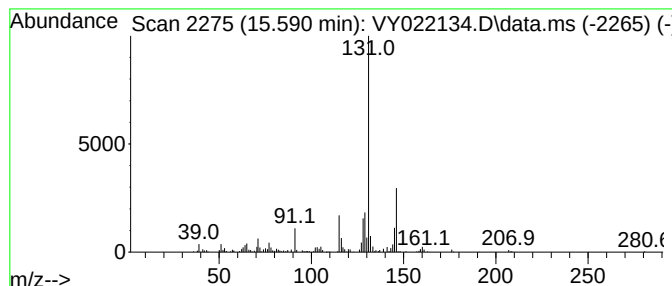
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.590	6.36 ug/l	203615	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
4			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

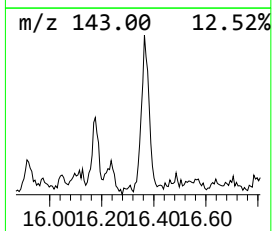
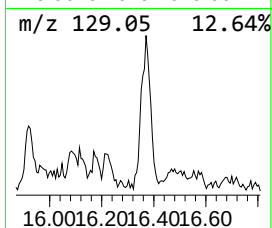
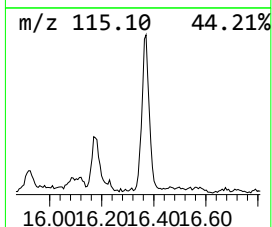
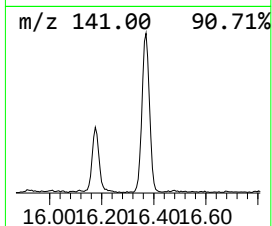
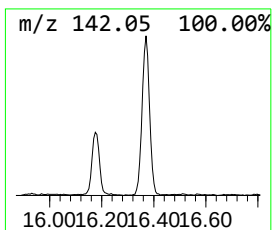
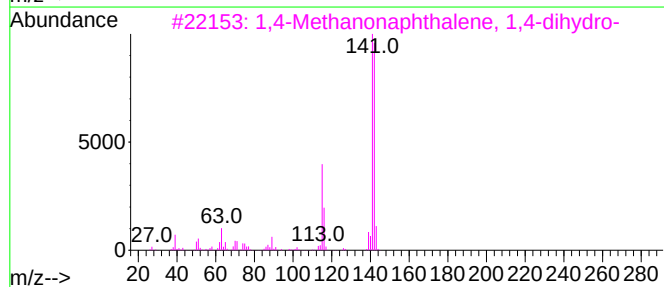
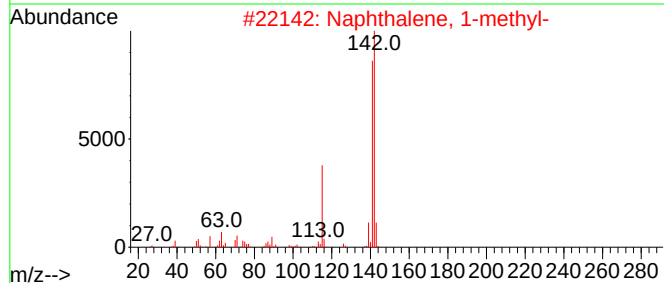
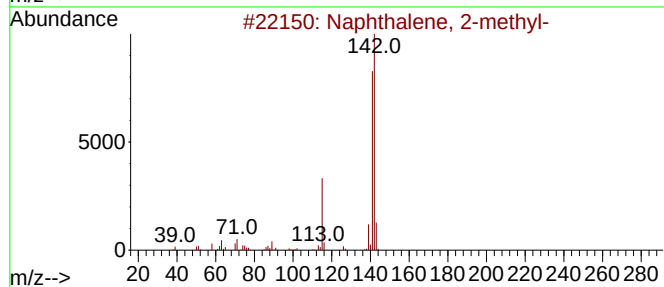
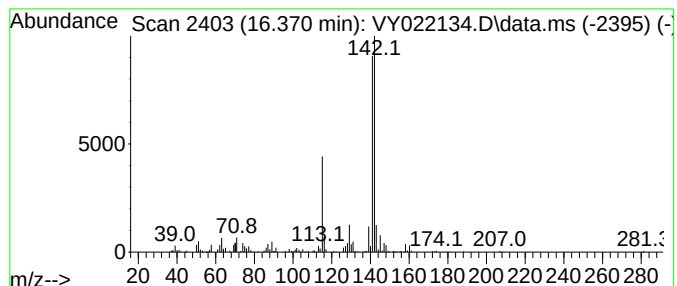
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.370	10.53 ug/l	336886	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
4			Benzocycloheptatriene	142	C11H10	000264-09-5	87
5			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022134.D
Acq On : 02 May 2025 17:11
Operator : SY/MD
Sample : Q1939-04
Misc : 7.21g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB2B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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
Benzene, 4-ethy...	13.889	10.5	ug/l	335320	4	13.346	1600070	50.0
Benzene, 2-bute...	13.999	5.5	ug/l	176030	4	13.346	1600070	50.0
Benzene, 1,2,4,...	14.212	5.1	ug/l	163134	4	13.346	1600070	50.0
Benzene, 1,2-di...	14.383	47.8	ug/l	1528540	4	13.346	1600070	50.0
Benzene, 2-ethy...	14.590	12.7	ug/l	405718	4	13.346	1600070	50.0
1H-Indene, 2,3-...	14.858	7.1	ug/l	227195	4	13.346	1600070	50.0
1H-Indene, 2,3-...	14.968	8.0	ug/l	254263	4	13.346	1600070	50.0
1H-Indene, 2,3-...	15.590	6.4	ug/l	203615	4	13.346	1600070	50.0
Naphthalene, 2-...	16.370	10.5	ug/l	336886	4	13.346	1600070	50.0

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3	SDG No.:	Q1939
Lab Sample ID:	Q1939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.6
Sample Wt/Vol:	6.35 Units: g	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
VY022135.D	1		05/02/25 17:35	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.50	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.72	U	0.72	4.50	ug/Kg
74-83-9	Bromomethane	0.97	U	0.97	4.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	4.50	ug/Kg
67-64-1	Acetone	4.30	U	4.30	22.7	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.50	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.50	ug/Kg
75-09-2	Methylene Chloride	3.20	U	3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	4.50	ug/Kg
110-82-7	Cyclohexane	0.72	U	0.72	4.50	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	22.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.88	U	0.88	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.50	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.50	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.85	U	0.85	4.50	ug/Kg
108-87-2	Methylcyclohexane	0.83	U	0.83	4.50	ug/Kg
71-43-2	Benzene	0.72	U	0.72	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.83	U	0.83	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.71	U	0.71	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	22.7	ug/Kg
108-88-3	Toluene	0.71	U	0.71	4.50	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3	SDG No.:	Q1939
Lab Sample ID:	Q1939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.6
Sample Wt/Vol:	6.35	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOCMS Group1
		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022135.D	1		05/02/25 17:35	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	4.50	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	22.7	ug/Kg
124-48-1	Dibromochloromethane	0.79	U	0.79	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.80	U	0.80	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.95	U	0.95	4.50	ug/Kg
108-90-7	Chlorobenzene	0.83	U	0.83	4.50	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	4.50	ug/Kg
179601-23-1	m/p-Xylenes	1.50	J	1.10	9.10	ug/Kg
95-47-6	o-Xylene	0.75	U	0.75	4.50	ug/Kg
100-42-5	Styrene	0.65	U	0.65	4.50	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.50	ug/Kg
98-82-8	Isopropylbenzene	0.71	U	0.71	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.70	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.90	4.50	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.2	70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6	70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	48.4	70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6	70 (38) - 130 (136)	89%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	359000	7.707
540-36-3	1,4-Difluorobenzene	672000	8.61
3114-55-4	Chlorobenzene-d5	604000	11.414
3855-82-1	1,4-Dichlorobenzene-d4	246000	13.346

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3	SDG No.:	Q1939
Lab Sample ID:	Q1939-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.6
Sample Wt/Vol:	6.35 Units: g	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
VY022135.D	1		05/02/25 17:35	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	0.95	J		13.0	ug/Kg

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_Y\Data\VY050225\
 Data File : VY022135.D
 Acq On : 02 May 2025 17:35
 Operator : SY/MD
 Sample : Q1939-05
 Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB3

Quant Time: May 03 02:52:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

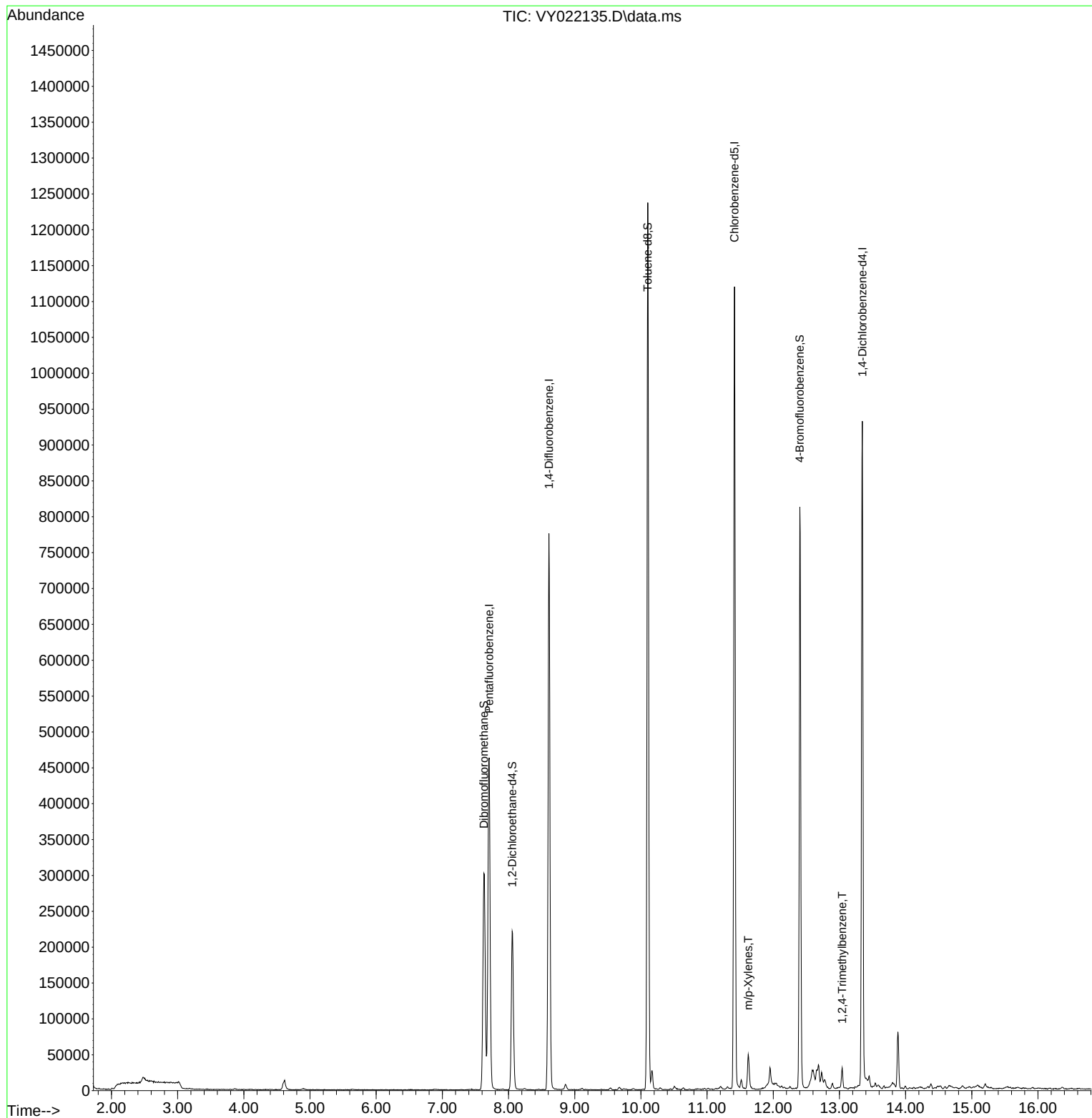
Internal Standards						
1) Pentafluorobenzene	7.707	168	358545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	672036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	603590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	176211	53.207	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.420%
35) Dibromofluoromethane	7.628	113	220250	49.608	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.220%
50) Toluene-d8	10.103	98	810645	48.431	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.860%
62) 4-Bromofluorobenzene	12.402	95	251156	44.573	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.140%
Target Compounds						
68) m/p-Xylenes	11.621	106	14341	1.632	ug/l	92
84) 1,2,4-Trimethylbenzene	13.042	105	14082	1.042	ug/l	96

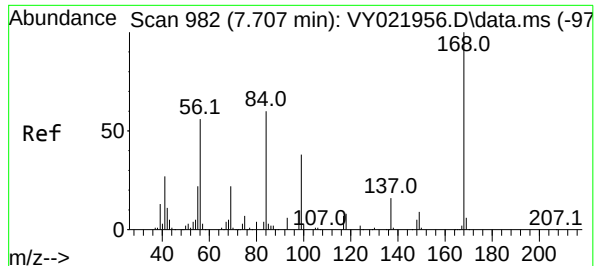
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Time: May 03 02:52:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

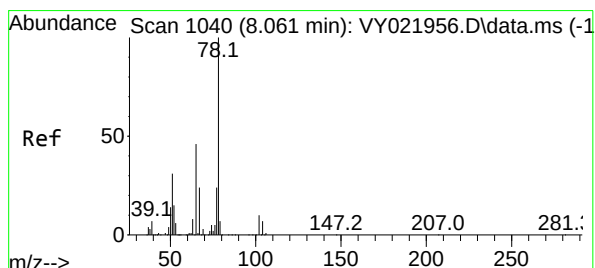
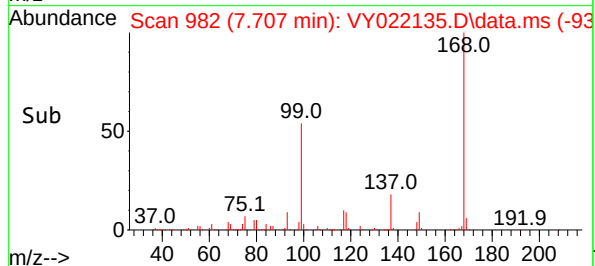
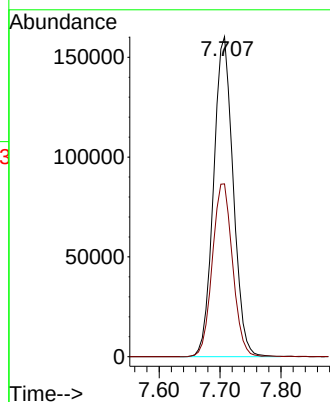
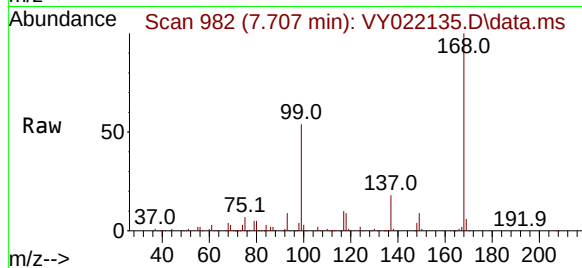




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

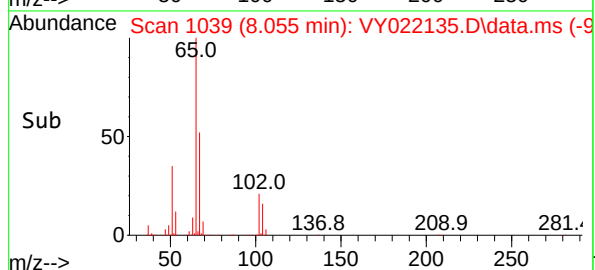
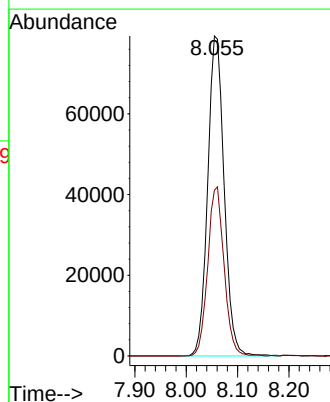
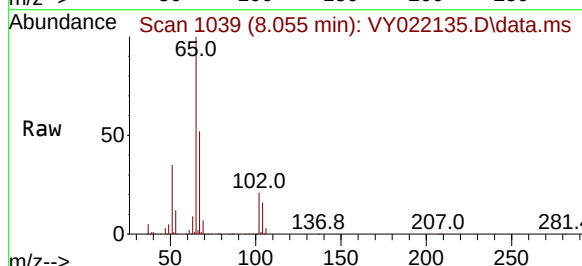
Instrument :
MSVOA_Y
ClientSampleId :
GB3

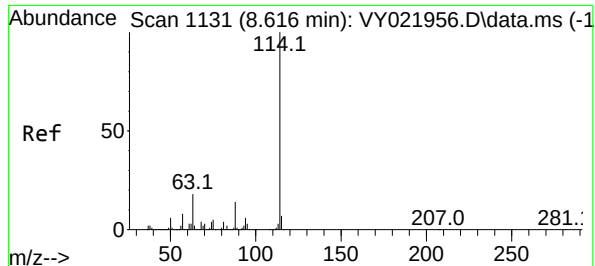
Tgt Ion:168 Resp: 358545
Ion Ratio Lower Upper
168 100
99 54.0 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 53.207 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022135.D
Acq: 02 May 2025 17:35

Tgt Ion: 65 Resp: 176211
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY022135.D

Acq: 02 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

GB3

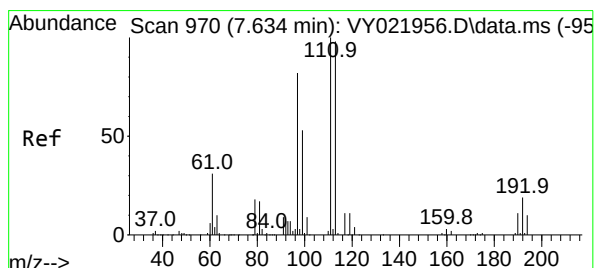
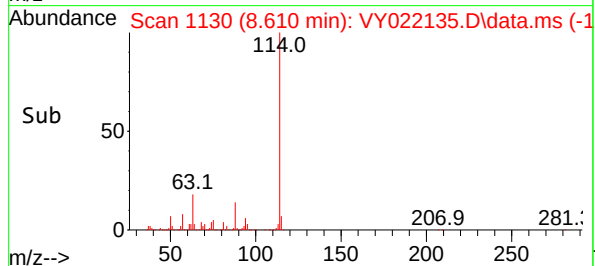
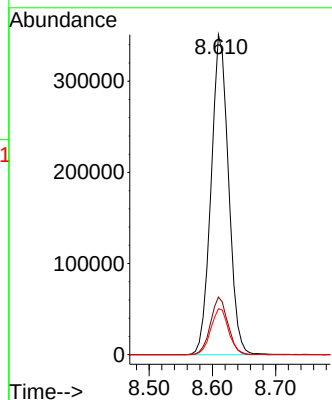
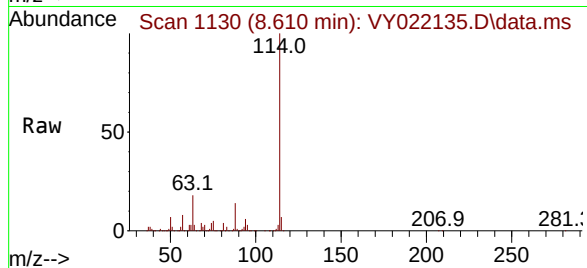
Tgt Ion:114 Resp: 672036

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 49.608 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY022135.D

Acq: 02 May 2025 17:35

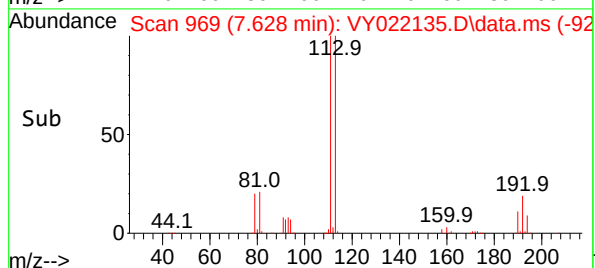
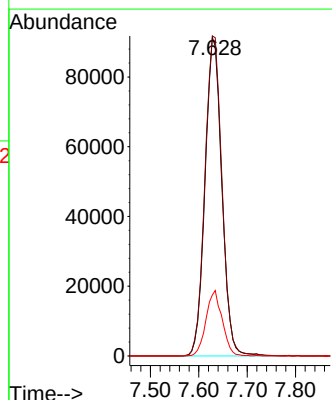
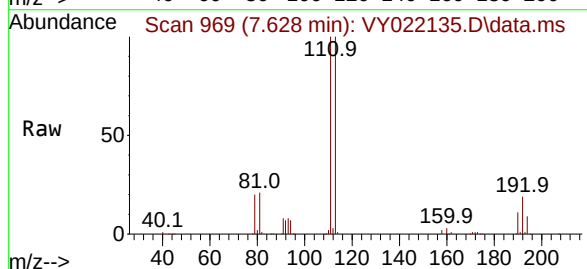
Tgt Ion:113 Resp: 220250

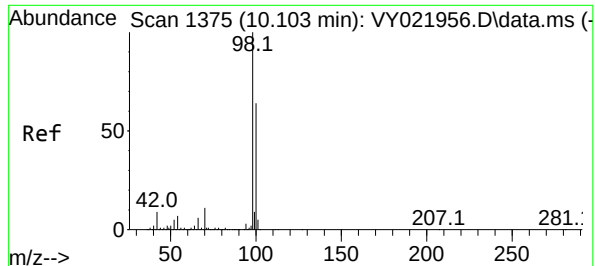
Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

192 19.9 15.6 23.4





#50

Toluene-d8

Concen: 48.431 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022135.D

Acq: 02 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

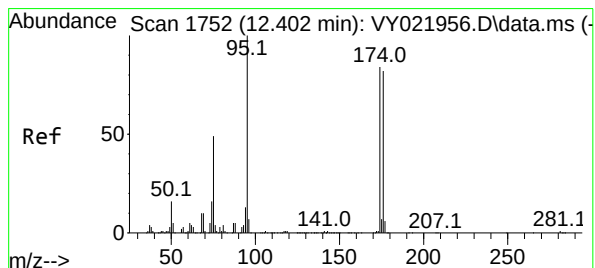
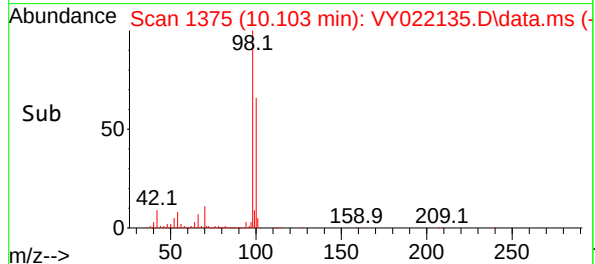
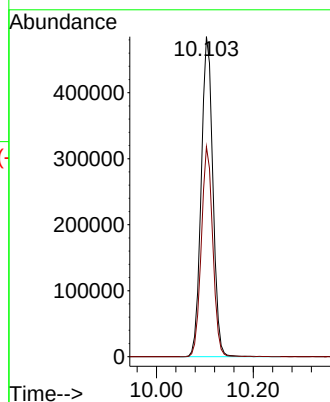
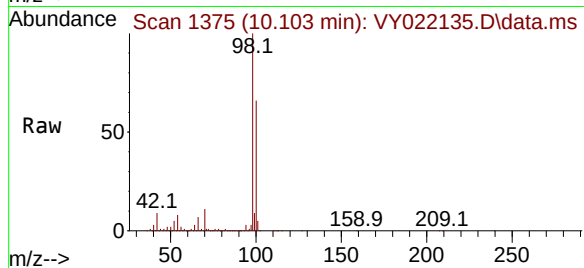
GB3

Tgt Ion: 98 Resp: 810645

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 44.573 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VY022135.D

Acq: 02 May 2025 17:35

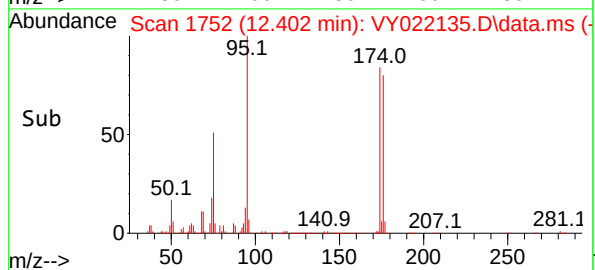
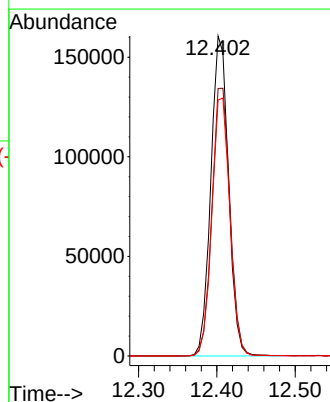
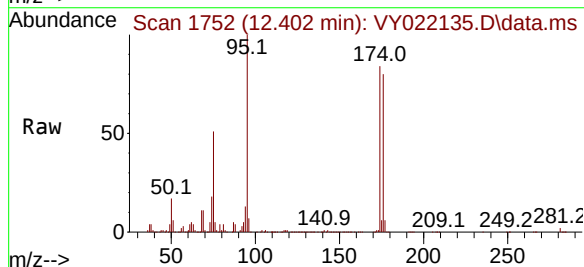
Tgt Ion: 95 Resp: 251156

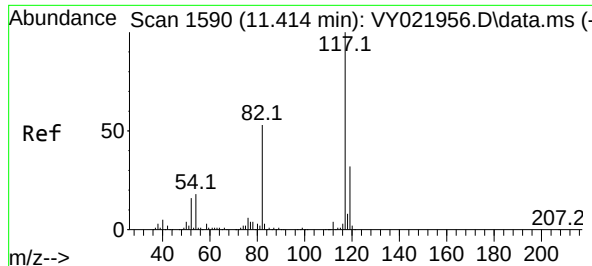
Ion Ratio Lower Upper

95 100

174 86.5 0.0 179.0

176 82.4 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022135.D

Acq: 02 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

GB3

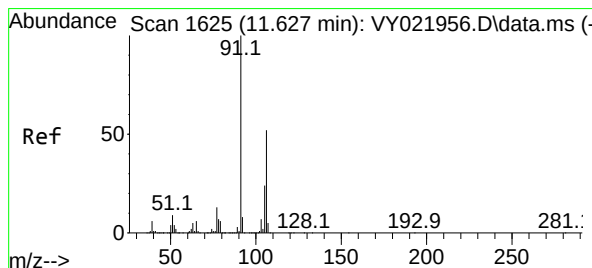
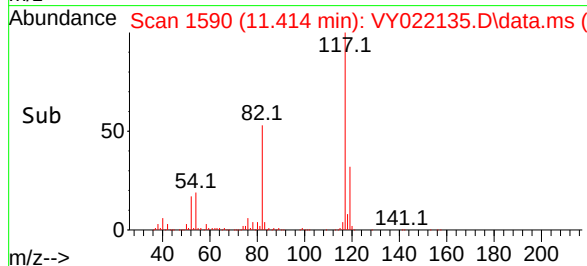
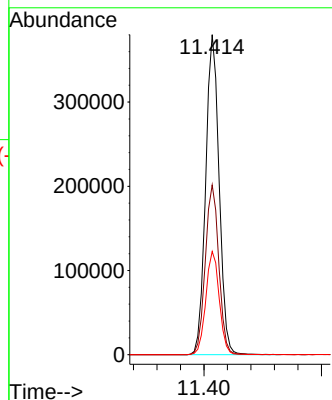
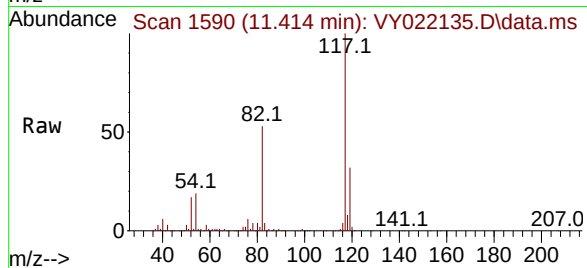
Tgt Ion:117 Resp: 603590

Ion Ratio Lower Upper

117 100

82 53.1 42.1 63.1

119 32.2 25.7 38.5



#68

m/p-Xylenes

Concen: 1.632 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.006 min

Lab File: VY022135.D

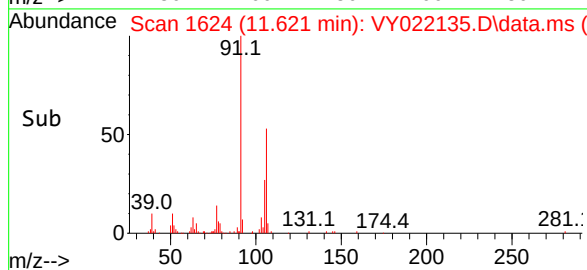
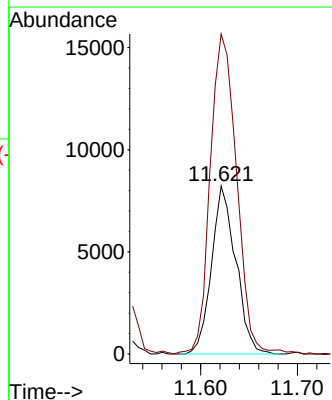
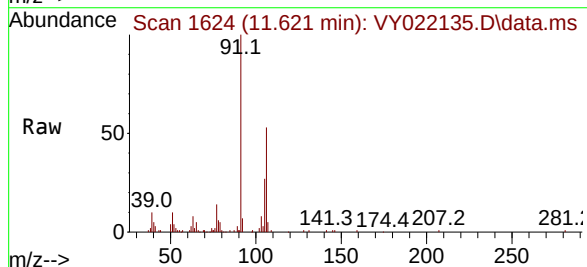
Acq: 02 May 2025 17:35

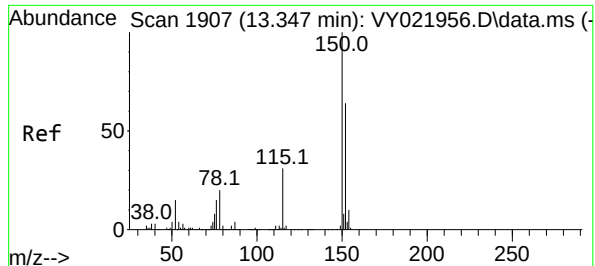
Tgt Ion:106 Resp: 14341

Ion Ratio Lower Upper

106 100

91 207.6 156.2 234.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022135.D

Acq: 02 May 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

GB3

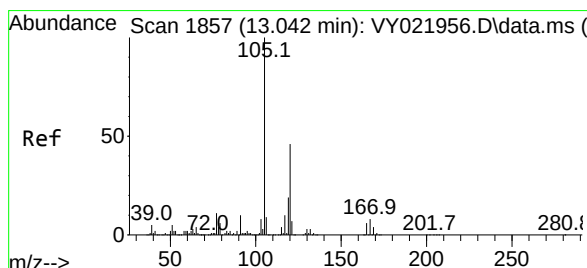
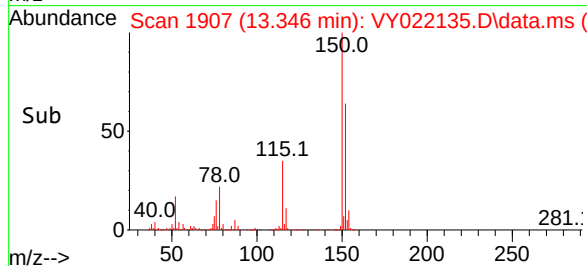
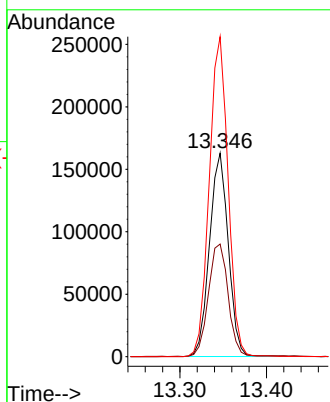
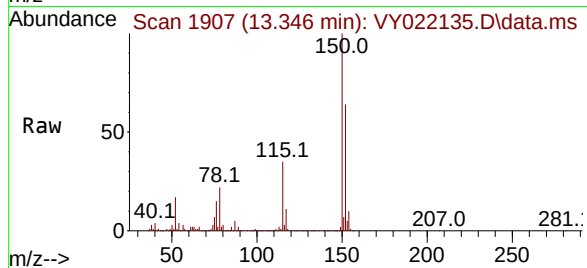
Tgt Ion:152 Resp: 245556

Ion Ratio Lower Upper

152 100

115 58.0 28.0 84.0

150 157.5 0.0 345.6



#84

1,2,4-Trimethylbenzene

Concen: 1.042 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY022135.D

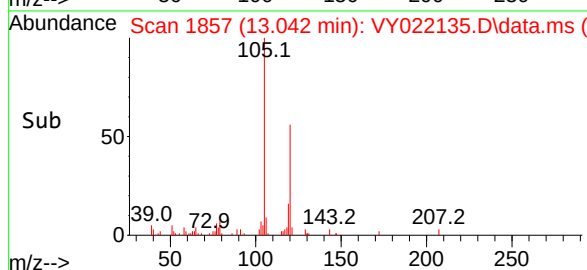
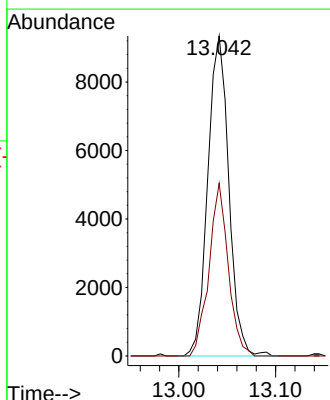
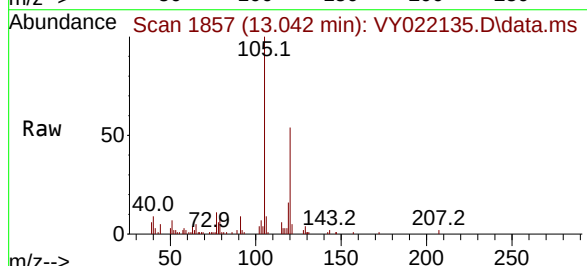
Acq: 02 May 2025 17:35

Tgt Ion:105 Resp: 14082

Ion Ratio Lower Upper

105 100

120 49.5 23.4 70.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022135.D
 Acq On : 02 May 2025 17:35
 Operator : SY/MD
 Sample : Q1939-05
 Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB3

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_Y\methods\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY022135.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.013	210	212	223	rVB3	9498	21661	1.05%	0.195%
2	4.616	464	475	481	rBV2	13504	37214	1.80%	0.334%
3	7.628	957	969	975	rBV	301732	730262	35.35%	6.561%
4	7.707	975	982	1002	rVB	462975	1075988	52.08%	9.668%
5	8.055	1031	1039	1051	rBV	220727	493414	23.88%	4.433%
6	8.610	1121	1130	1145	rBV	775382	1499524	72.58%	13.473%
7	10.103	1367	1375	1382	rBV	1236441	2065926	100.00%	18.562%
8	10.170	1382	1386	1394	rVB	25662	46857	2.27%	0.421%
9	11.414	1581	1590	1603	rBV	1117974	1789317	86.61%	16.077%
10	11.621	1618	1624	1631	rBV	47508	90276	4.37%	0.811%
11	11.950	1665	1678	1686	rBV	28108	72484	3.51%	0.651%
12	12.402	1744	1752	1764	rBV	810522	1311000	63.46%	11.779%
13	12.591	1769	1783	1790	rVV6	25120	96718	4.68%	0.869%
14	12.658	1790	1794	1795	rVV	25053	38717	1.87%	0.348%
15	12.682	1796	1798	1802	rVV2	31869	48643	2.35%	0.437%
16	12.731	1802	1806	1811	rVV4	21216	43469	2.10%	0.391%
17	13.042	1851	1857	1864	rVB	28193	42813	2.07%	0.385%
18	13.346	1900	1907	1915	rBV	925863	1451096	70.24%	13.038%
19	13.450	1921	1924	1928	rVB2	14732	21542	1.04%	0.194%
20	13.804	1974	1982	1990	rBV10	6684	21558	1.04%	0.194%
21	13.883	1990	1995	2002	rVB2	78816	131215	6.35%	1.179%

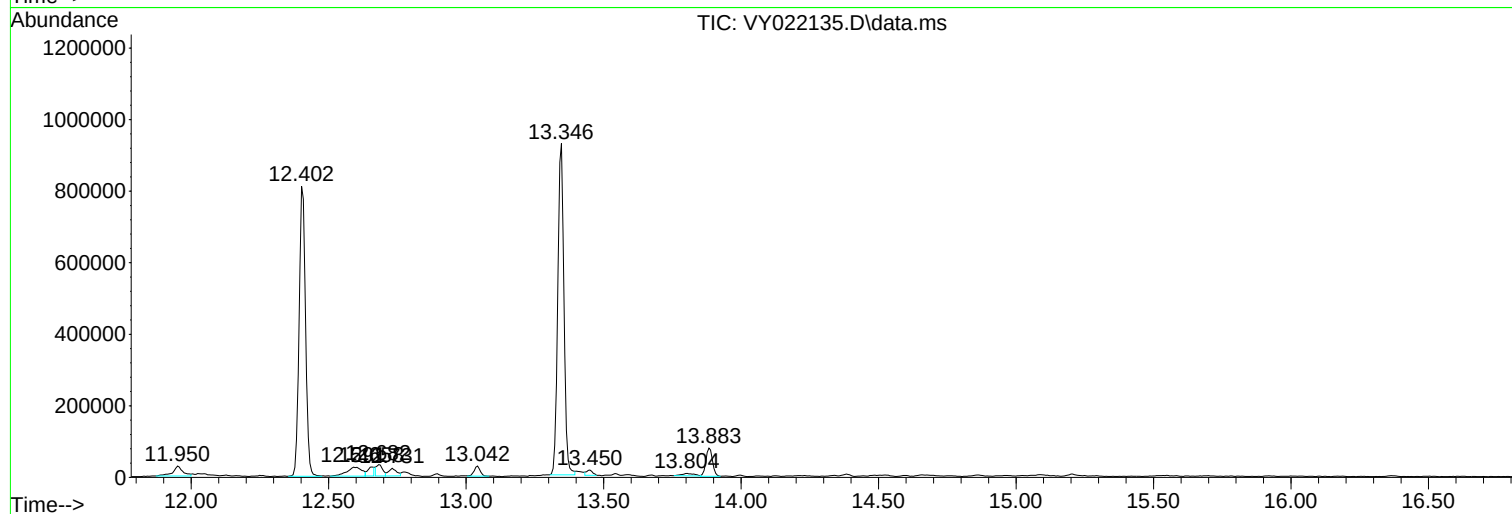
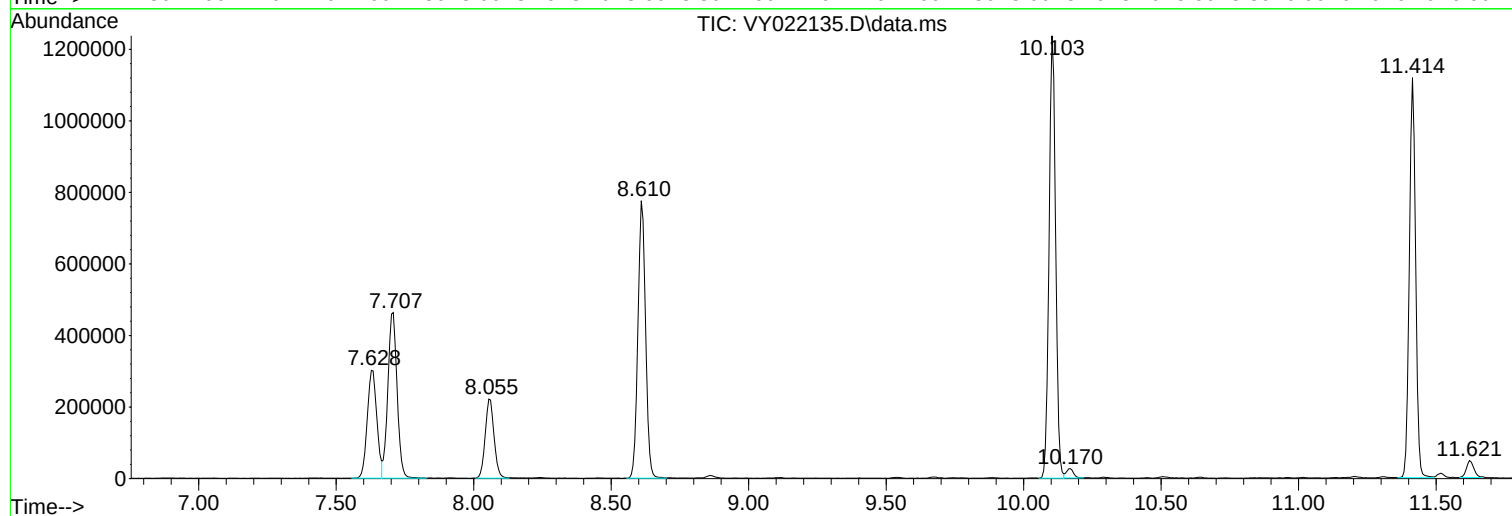
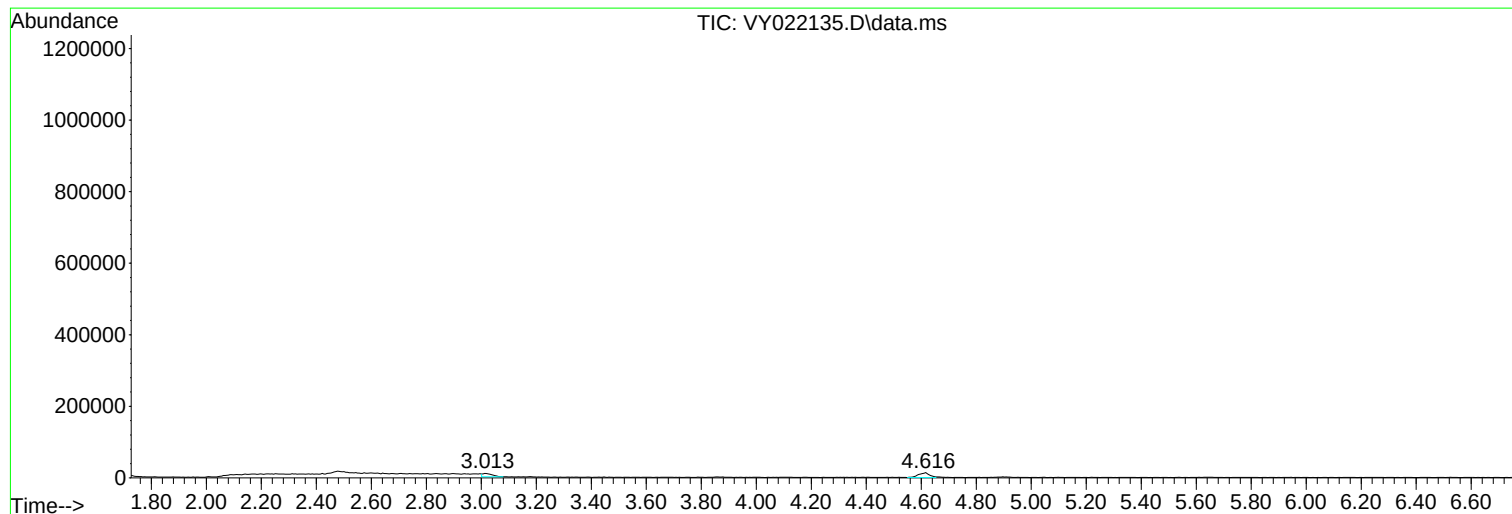
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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_Y\Data\VY050225\
Data File : VY022135.D
Acq On : 02 May 2025 17:35
Operator : SY/MD
Sample : Q1939-05
Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GB3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.07	Units:	g
Soil Aliquot Vol:	100		uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086500.D	20		05/05/25 20:50	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800	U	1800	8000	ug/Kg
74-87-3	Chloromethane	1800	U	1800	8000	ug/Kg
75-01-4	Vinyl Chloride	1300	U	1300	8000	ug/Kg
74-83-9	Bromomethane	1700	U	1700	8000	ug/Kg
75-00-3	Chloroethane	2000	U	2000	8000	ug/Kg
75-69-4	Trichlorofluoromethane	1900	U	1900	8000	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1700	U	1700	8000	ug/Kg
75-35-4	1,1-Dichloroethene	1600	U	1600	8000	ug/Kg
67-64-1	Acetone	7600	U	7600	40000	ug/Kg
75-15-0	Carbon Disulfide	1700	U	1700	8000	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1200	U	1200	8000	ug/Kg
79-20-9	Methyl Acetate	2500	U	2500	8000	ug/Kg
75-09-2	Methylene Chloride	5600	U	5600	16000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1400	U	1400	8000	ug/Kg
75-34-3	1,1-Dichloroethane	1300	U	1300	8000	ug/Kg
110-82-7	Cyclohexane	1300	U	1300	8000	ug/Kg
78-93-3	2-Butanone	10500	U	10500	40000	ug/Kg
56-23-5	Carbon Tetrachloride	1600	U	1600	8000	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1200	U	1200	8000	ug/Kg
74-97-5	Bromochloromethane	1800	U	1800	8000	ug/Kg
67-66-3	Chloroform	1300	U	1300	8000	ug/Kg
71-55-6	1,1,1-Trichloroethane	1500	U	1500	8000	ug/Kg
108-87-2	Methylcyclohexane	45400		1500	8000	ug/Kg
71-43-2	Benzene	1300	U	1300	8000	ug/Kg
107-06-2	1,2-Dichloroethane	1300	U	1300	8000	ug/Kg
79-01-6	Trichloroethene	1300	U	1300	8000	ug/Kg
78-87-5	1,2-Dichloropropane	1500	U	1500	8000	ug/Kg
75-27-4	Bromodichloromethane	1200	U	1200	8000	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5700	U	5700	40000	ug/Kg
108-88-3	Toluene	1200	U	1200	8000	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.07	Units:	g
Soil Aliquot Vol:	100		uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	MED

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086500.D	20		05/05/25 20:50	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1000	U	1000	8000	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	990	U	990	8000	ug/Kg
79-00-5	1,1,2-Trichloroethane	1500	U	1500	8000	ug/Kg
591-78-6	2-Hexanone	5900	U	5900	40000	ug/Kg
124-48-1	Dibromochloromethane	1400	U	1400	8000	ug/Kg
106-93-4	1,2-Dibromoethane	1400	U	1400	8000	ug/Kg
127-18-4	Tetrachloroethene	1700	U	1700	8000	ug/Kg
108-90-7	Chlorobenzene	1500	U	1500	8000	ug/Kg
100-41-4	Ethyl Benzene	1100	U	1100	8000	ug/Kg
179601-23-1	m/p-Xylenes	2000	U	2000	16000	ug/Kg
95-47-6	o-Xylene	1300	U	1300	8000	ug/Kg
100-42-5	Styrene	1100	U	1100	8000	ug/Kg
75-25-2	Bromoform	1400	U	1400	8000	ug/Kg
98-82-8	Isopropylbenzene	7200	J	1200	8000	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900	U	1900	8000	ug/Kg
541-73-1	1,3-Dichlorobenzene	2700	U	2700	8000	ug/Kg
106-46-7	1,4-Dichlorobenzene	2500	U	2500	8000	ug/Kg
95-50-1	1,2-Dichlorobenzene	2300	U	2300	8000	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2900	U	2900	8000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4700	U	4700	8000	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5100	U	5100	8000	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	46.8	70 (63) - 130 (155)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	59.3	70 (70) - 130 (134)	119%	SPK: 50
2037-26-5	Toluene-d8	54.9	70 (74) - 130 (123)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.3	70 (38) - 130 (136)	113%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	176000	8.224
540-36-3	1,4-Difluorobenzene	330000	9.1
3114-55-4	Chlorobenzene-d5	317000	11.865
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.788

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	G Environmental	Date Collected:	05/01/25
Project:	Amsterdam	Date Received:	05/01/25
Client Sample ID:	GB3B	SDG No.:	Q1939
Lab Sample ID:	Q1939-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086500.D	20		05/05/25 20:50	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001072-05-5	Heptane, 2,6-dimethyl-	65400	J		11.2	ug/Kg
002216-30-0	Heptane, 2,5-dimethyl-	57300	J		11.3	ug/Kg
001678-91-7	Cyclohexane, ethyl-	52300	J		11.4	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	109000	J		11.5	ug/Kg
000619-99-8	Hexane, 3-ethyl-	60300	J		11.6	ug/Kg
003728-56-1	1-Ethyl-4-methylcyclohexane	77200	J		12.1	ug/Kg
014129-48-7	4-Octen-3-one	50800	J		12.1	ug/Kg
004926-78-7	unknown12.365	129000	J		12.4	ug/Kg
005911-04-6	Nonane, 3-methyl-	119000	J		12.5	ug/Kg
014676-29-0	unknown12.588	352000	J		12.6	ug/Kg
103-65-1	n-propylbenzene	12200	J		13.0	ug/Kg
004291-79-6	Cyclohexane, 1-methyl-2-propyl-	91000	J		13.2	ug/Kg
98-06-6	tert-Butylbenzene	2200	J		13.4	ug/Kg
135-98-8	sec-Butylbenzene	8000	J		13.6	ug/Kg
001678-93-9	Cyclohexane, butyl-	58500	J		13.7	ug/Kg
104-51-8	n-Butylbenzene	3400	J		14.1	ug/Kg
000091-17-8	Naphthalene, decahydro-	52900	J		14.1	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	56500	J		15.0	ug/Kg
004453-90-1	1,4-Methanonaphthalene, 1,4-dihydro-	87600	J		16.8	ug/Kg

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\VN050525\
 Data File : VN086500.D
 Acq On : 05 May 2025 20:50
 Operator : JC\MD
 Sample : Q1939-06 20X
 Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB3B

Quant Time: May 06 01:48:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

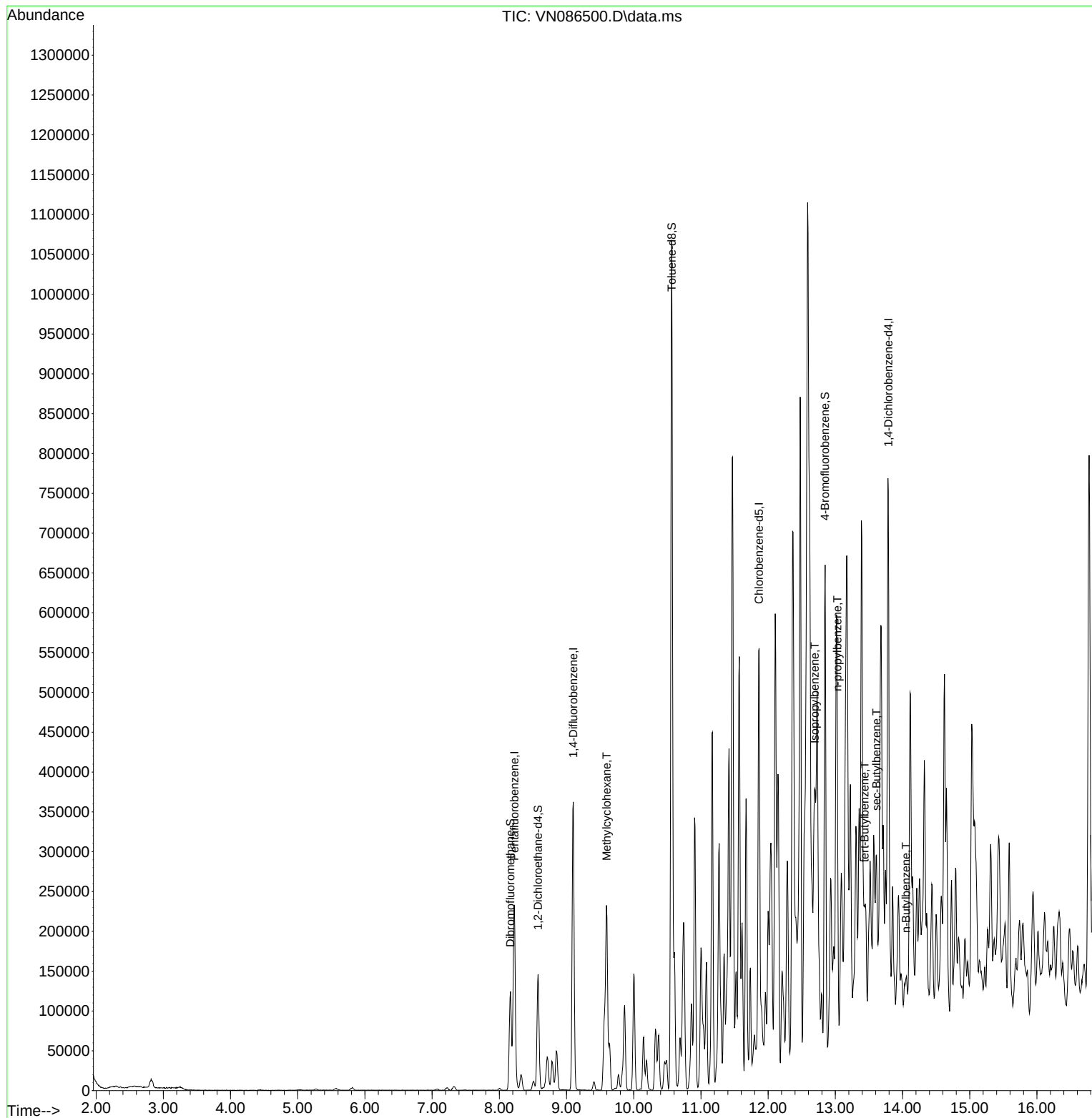
Internal Standards						
1) Pentafluorobenzene	8.224	168	176014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	330285	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119417	46.787	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.580%
35) Dibromofluoromethane	8.165	113	90948	59.331	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	118.660%
50) Toluene-d8	10.565	98	449439	54.860	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.720%
62) 4-Bromofluorobenzene	12.847	95	168278	56.315	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.620%
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.594	83	103464	28.431	ug/l	99
73) Isopropylbenzene	12.694	105	56356	4.494	ug/l	97
78) n-propylbenzene	13.029	91	112868	7.637	ug/l	100
83) tert-Butylbenzene	13.435	119	12456	1.400	ug/l	86
85) sec-Butylbenzene	13.612	105	62042	5.029	ug/l #	70
89) n-Butylbenzene	14.053	91	19294	2.141	ug/l #	85

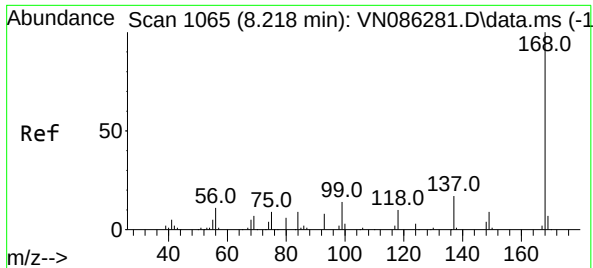
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

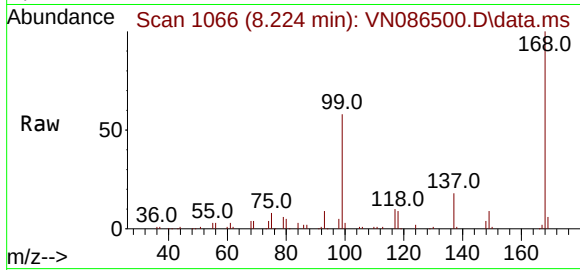
Quant Time: May 06 01:48:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



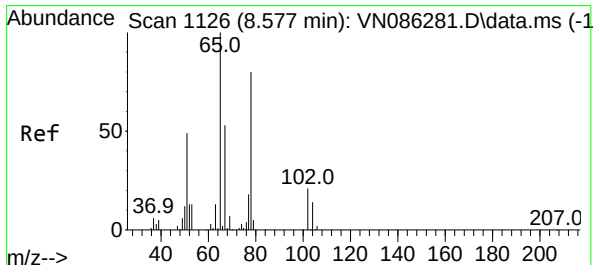
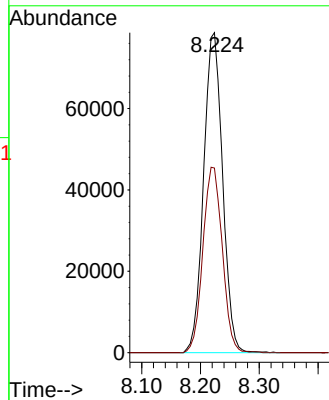
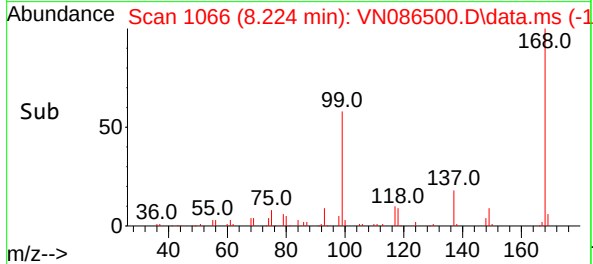


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Instrument :
MSVOA_N
ClientSampleId :
GB3B

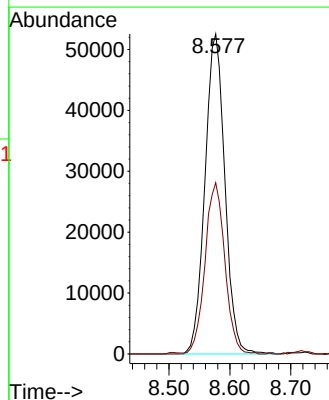
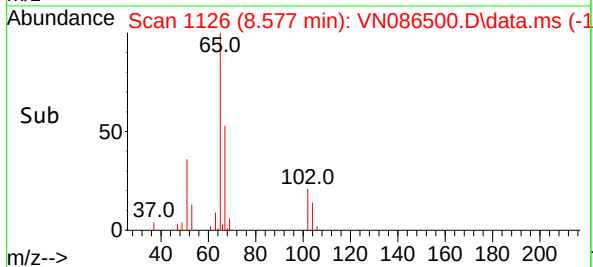
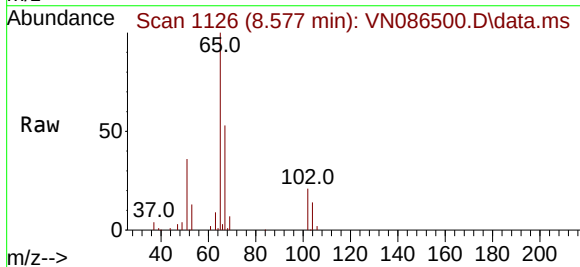


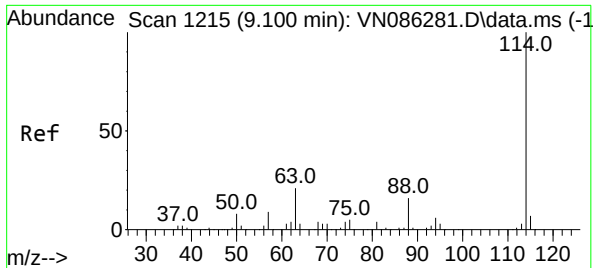
Tgt Ion:168 Resp: 176014
Ion Ratio Lower Upper
168 100
99 57.7 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 46.787 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 65 Resp: 119417
Ion Ratio Lower Upper
65 100
67 53.2 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086500.D

Acq: 05 May 2025 20:50

Instrument :

MSVOA_N

ClientSampleId :

GB3B

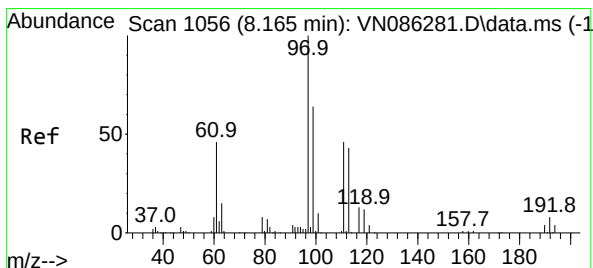
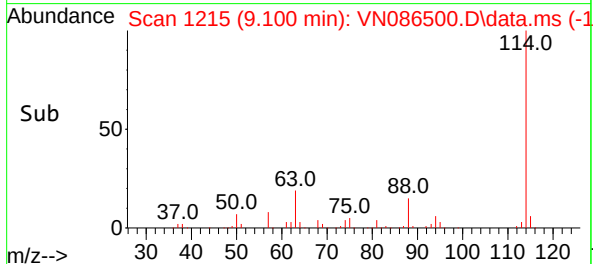
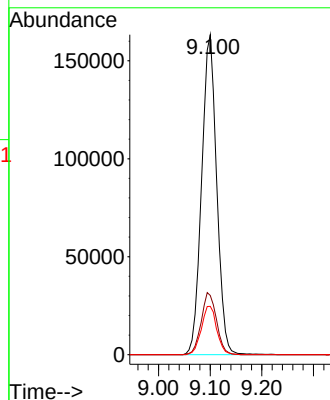
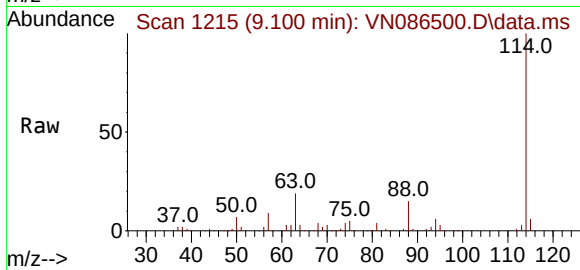
Tgt Ion:114 Resp: 330285

Ion Ratio Lower Upper

114 100

63 18.5 0.0 42.6

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 59.331 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086500.D

Acq: 05 May 2025 20:50

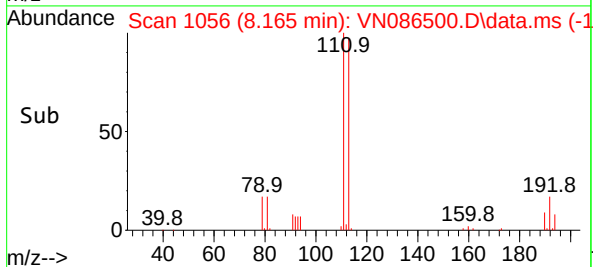
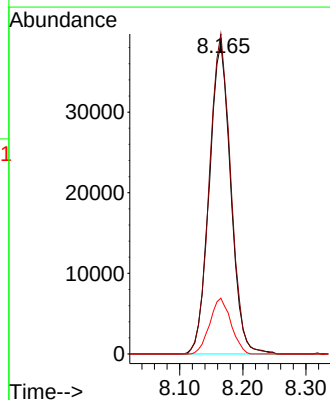
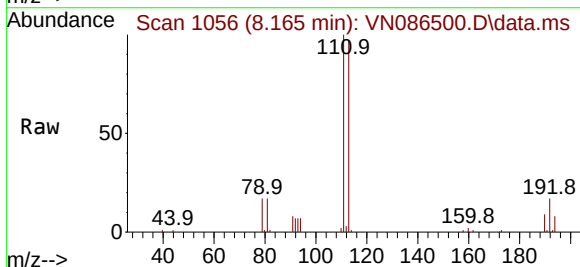
Tgt Ion:113 Resp: 90948

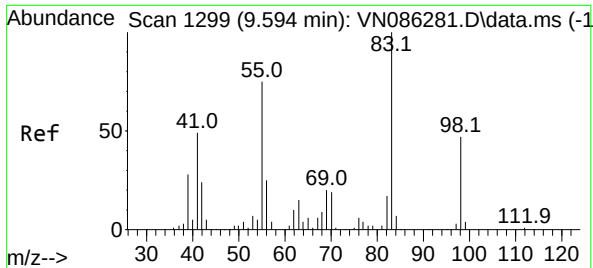
Ion Ratio Lower Upper

113 100

111 102.6 83.4 125.0

192 17.7 13.7 20.5





#39

Methylcyclohexane

Concen: 28.431 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. 0.000 min

Lab File: VN086500.D

Acq: 05 May 2025 20:50

Instrument :

MSVOA_N

ClientSampleId :

GB3B

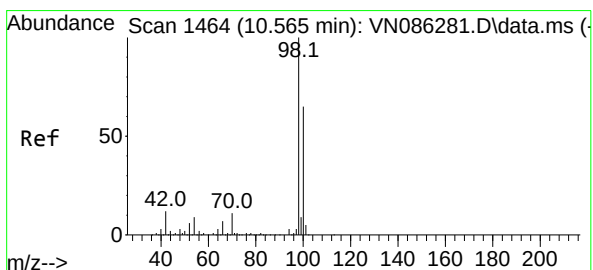
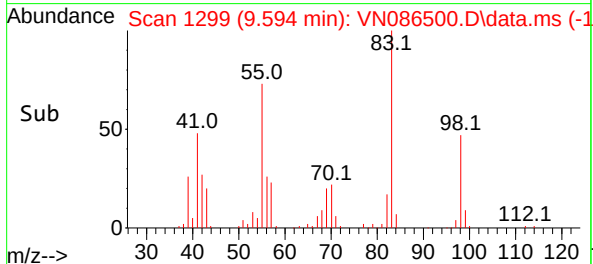
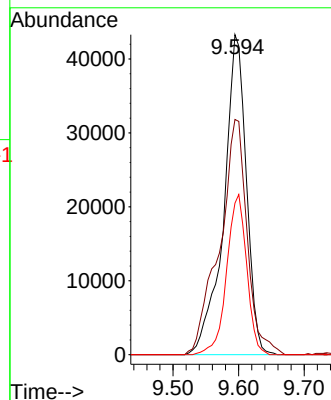
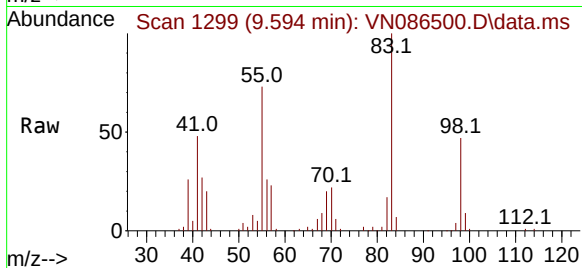
Tgt Ion: 83 Resp: 103464

Ion Ratio Lower Upper

83 100

55 73.5 59.8 89.8

98 47.3 37.9 56.9



#50

Toluene-d8

Concen: 54.860 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086500.D

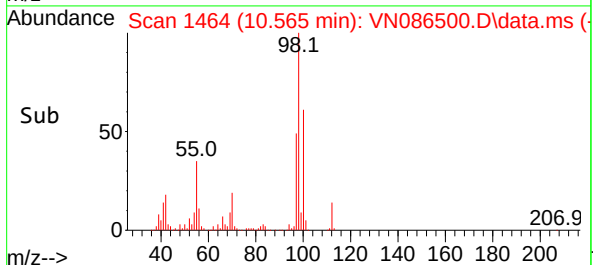
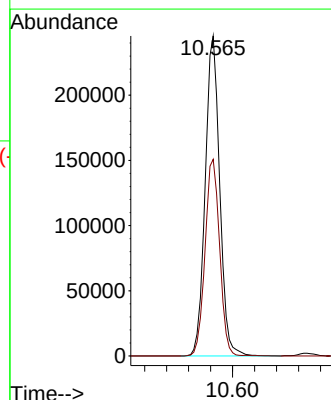
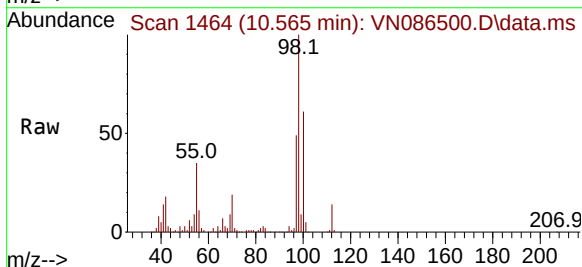
Acq: 05 May 2025 20:50

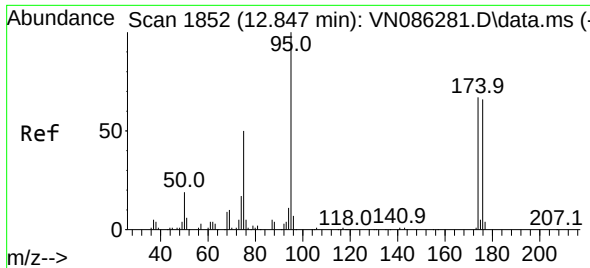
Tgt Ion: 98 Resp: 449439

Ion Ratio Lower Upper

98 100

100 61.7 52.5 78.7

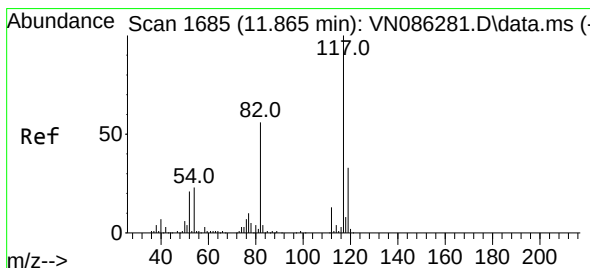
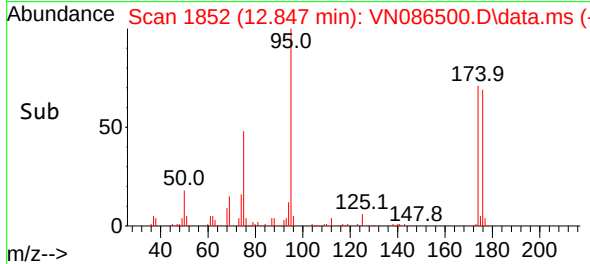
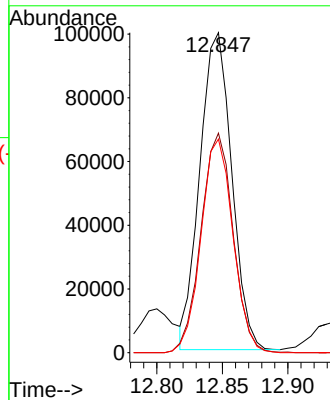
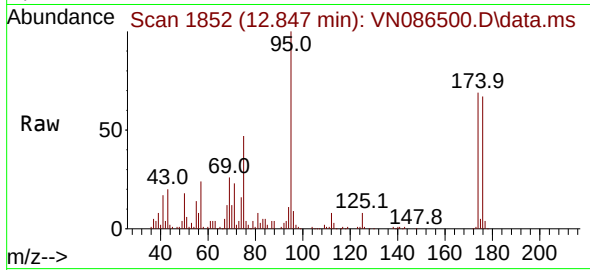




#62
4-Bromofluorobenzene
Concen: 56.315 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

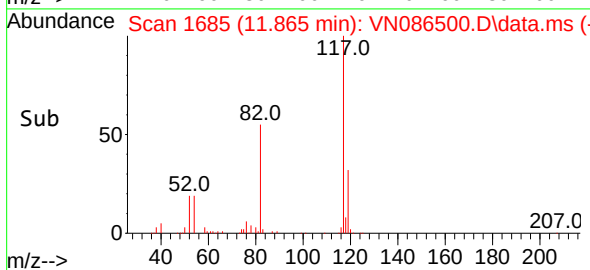
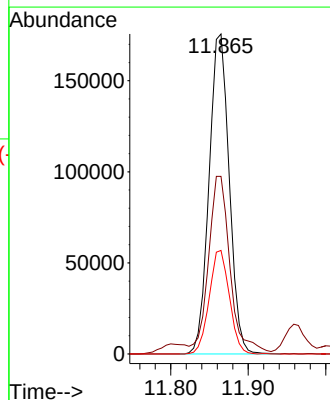
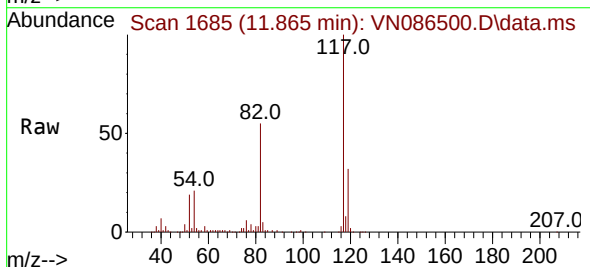
Instrument :
MSVOA_N
ClientSampleId :
GB3B

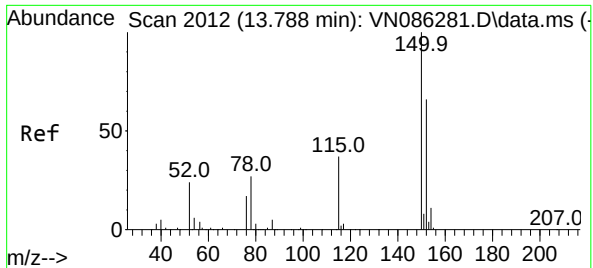
Tgt Ion: 95 Resp: 168278
Ion Ratio Lower Upper
95 100
174 69.8 0.0 133.4
176 67.6 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 117 Resp: 317139
Ion Ratio Lower Upper
117 100
82 52.8 44.7 67.1
119 32.4 26.4 39.6

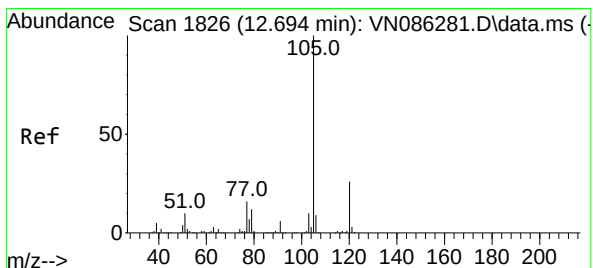
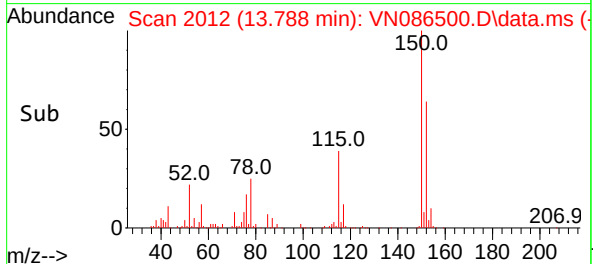
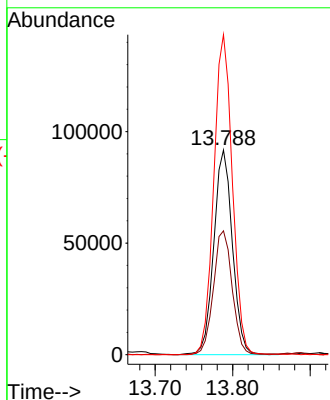
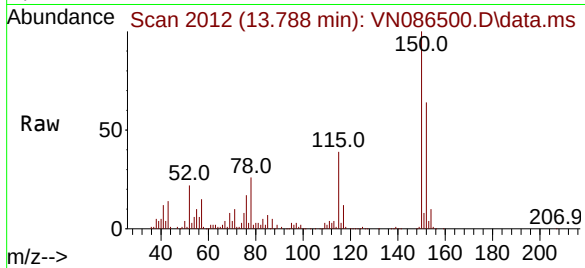




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

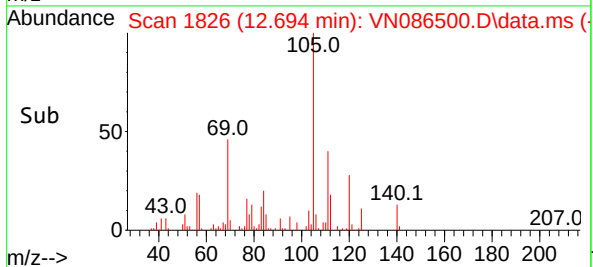
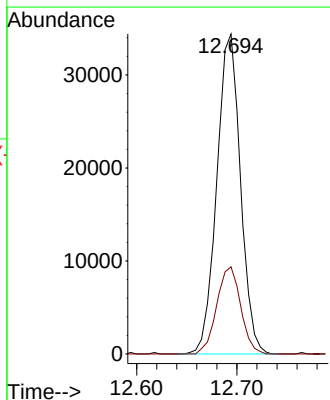
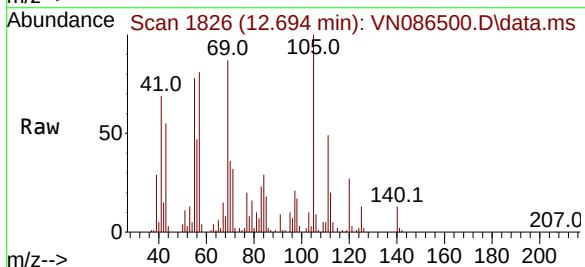
Instrument :
MSVOA_N
ClientSampleId :
GB3B

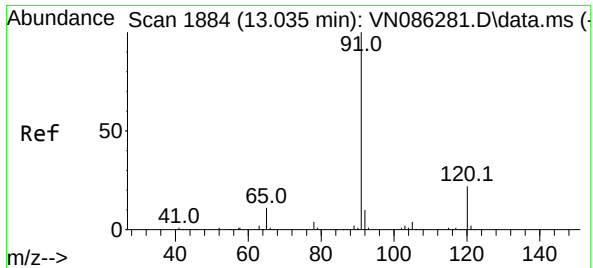
Tgt Ion:152 Resp: 153312
Ion Ratio Lower Upper
152 100
115 61.0 31.9 95.9
150 155.4 0.0 352.0



#73
Isopropylbenzene
Concen: 4.494 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion:105 Resp: 56356
Ion Ratio Lower Upper
105 100
120 27.5 13.1 39.3

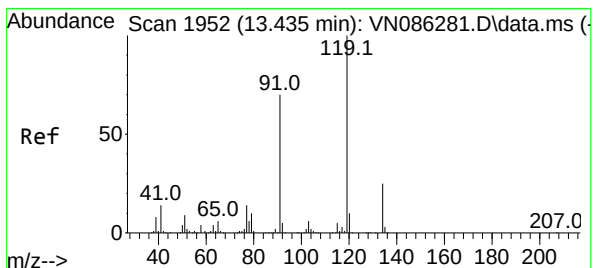
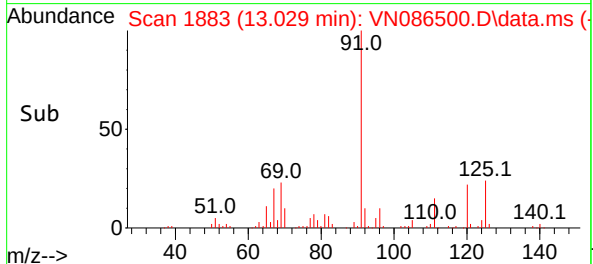
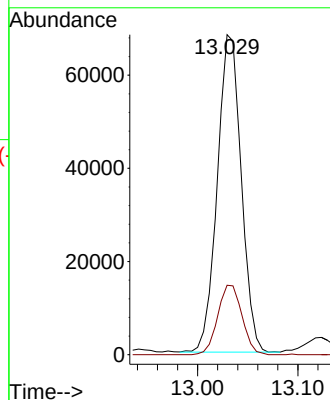
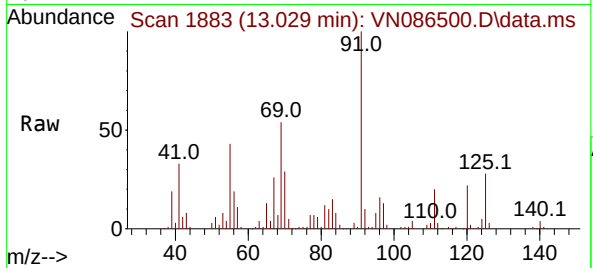




#78
n-propylbenzene
Concen: 7.637 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

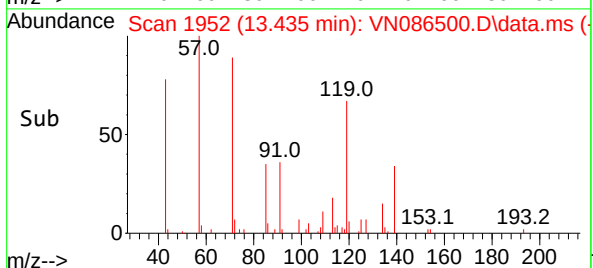
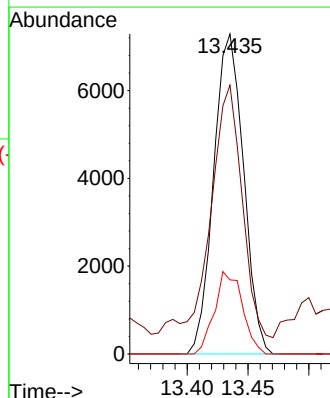
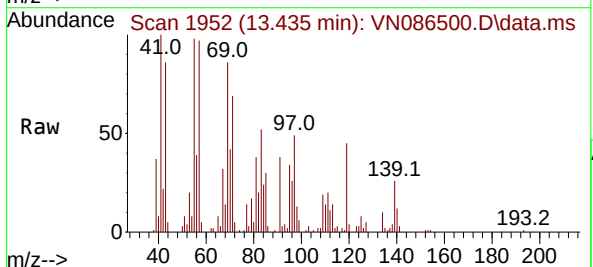
Instrument :
MSVOA_N
ClientSampleId :
GB3B

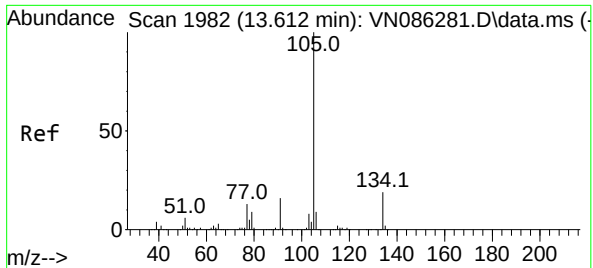
Tgt Ion: 91 Resp: 112868
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.3



#83
tert-Butylbenzene
Concen: 1.400 ug/l
RT: 13.435 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 119 Resp: 12456
Ion Ratio Lower Upper
119 100
91 83.1 34.4 103.3
134 24.0 13.0 39.0

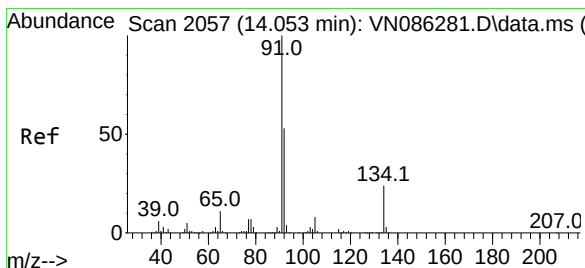
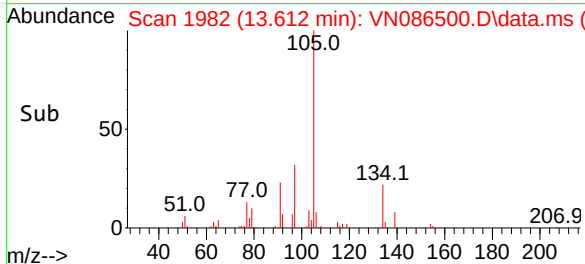
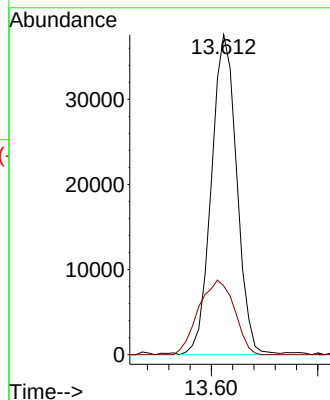
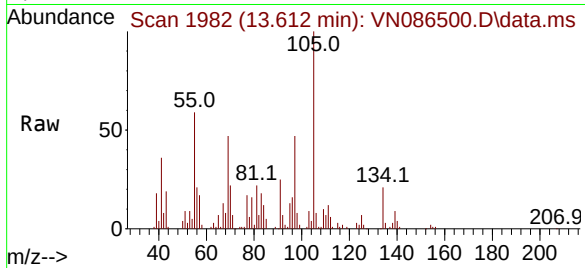




#85
sec-Butylbenzene
Concen: 5.029 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

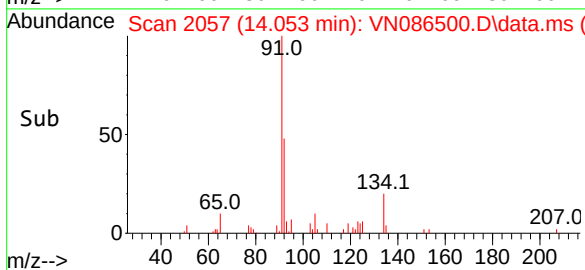
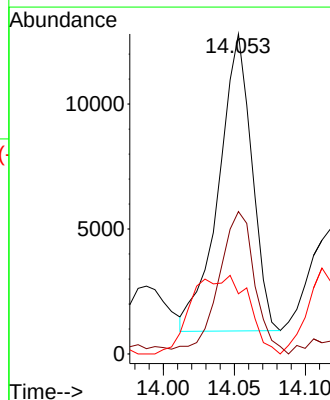
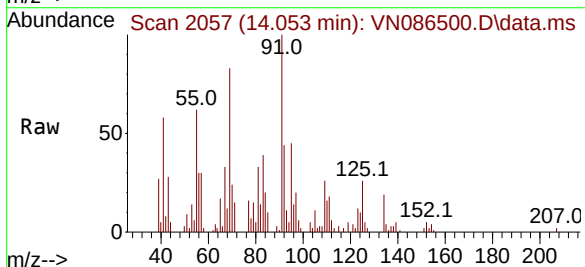
Instrument :
MSVOA_N
ClientSampleId :
GB3B

Tgt Ion:105 Resp: 62042
Ion Ratio Lower Upper
105 100
134 32.9 9.7 29.1#



#89
n-Butylbenzene
Concen: 2.141 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086500.D
Acq: 05 May 2025 20:50

Tgt Ion: 91 Resp: 19294
Ion Ratio Lower Upper
91 100
92 52.1 26.8 80.4
134 45.3 12.2 36.6#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086500.D
 Acq On : 05 May 2025 20:50
 Operator : JC\MD
 Sample : Q1939-06 20X
 Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB3B

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\82N041525W.M
 Title : SW846 8260

Signal : TIC: VN086500.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV	124143	286260	6.67%	0.641%
2	8.224	1060	1066	1076	rVV	232405	545663	12.72%	1.222%
3	8.324	1076	1083	1091	rVB2	19830	48546	1.13%	0.109%
4	8.577	1118	1126	1135	rVB	143777	316640	7.38%	0.709%
5	8.712	1141	1149	1156	rBV4	38394	97050	2.26%	0.217%
6	8.783	1156	1161	1167	rVV2	34345	76199	1.78%	0.171%
7	8.847	1167	1172	1183	rVB3	48924	111407	2.60%	0.249%
8	9.100	1205	1215	1225	rBV	361954	744938	17.36%	1.668%
9	9.594	1286	1299	1305	rBV3	231860	677309	15.79%	1.516%
10	9.865	1334	1345	1356	rVB2	106636	249474	5.81%	0.558%
11	10.000	1360	1368	1381	rBV2	146374	292062	6.81%	0.654%
12	10.147	1386	1393	1397	rBV	65462	127513	2.97%	0.285%
13	10.188	1397	1400	1415	rVB2	37554	69095	1.61%	0.155%
14	10.324	1415	1423	1427	rBV3	77166	161389	3.76%	0.361%
15	10.371	1427	1431	1439	rVB2	68093	126390	2.95%	0.283%
16	10.459	1439	1446	1448	rBV2	34345	62790	1.46%	0.141%
17	10.565	1456	1464	1469	rBV	1065219	2000653	46.63%	4.479%
18	10.688	1479	1485	1488	rBV3	60986	112178	2.61%	0.251%
19	10.741	1488	1494	1503	rVB4	209194	518866	12.09%	1.162%
20	10.859	1503	1514	1517	rBV	107155	217153	5.06%	0.486%
21	10.906	1517	1522	1530	rVB	338623	639105	14.89%	1.431%
22	11.000	1530	1538	1547	rBV3	175412	484107	11.28%	1.084%
23	11.082	1547	1552	1558	rVB	152562	273098	6.36%	0.611%
24	11.171	1558	1567	1573	rBV	441363	798037	18.60%	1.787%
25	11.271	1573	1584	1592	rBV	299862	698649	16.28%	1.564%
26	11.347	1592	1597	1600	rBV2	137567	229181	5.34%	0.513%
27	11.418	1600	1609	1612	rBV	346646	637943	14.87%	1.428%
28	11.471	1612	1618	1623	rVB	717119	1323089	30.84%	2.962%
29	11.524	1623	1627	1630	rBV	70618	91301	2.13%	0.204%
30	11.571	1630	1635	1639	rBV2	451998	735435	17.14%	1.646%
31	11.612	1639	1642	1647	rVB2	186213	290070	6.76%	0.649%
32	11.671	1647	1652	1658	rBV	342009	588335	13.71%	1.317%
33	11.735	1658	1663	1667	rVB	121576	176509	4.11%	0.395%
34	11.794	1667	1673	1677	rBV5	37519	75490	1.76%	0.169%
35	11.865	1678	1685	1697	rBV	502510	974370	22.71%	2.181%
36	11.959	1697	1701	1704	rBV	66365	93534	2.18%	0.209%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086500.D
 Acq On : 05 May 2025 20:50
 Operator : JC\MD
 Sample : Q1939-06 20X
 Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB3B

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\82N041525W.M
 Title : SW846 8260

37	12.000	1704	1708	1711	rBV	141874	231803	5.40%	0.519%
38	12.041	1711	1715	1721	rVB4	234403	484326	11.29%	1.084%
39	12.106	1721	1726	1730	rBV	522144	941675	21.95%	2.108%
40	12.147	1730	1733	1739	rVB3	362687	619984	14.45%	1.388%
41	12.206	1739	1743	1750	rBV3	116049	278094	6.48%	0.623%
42	12.282	1750	1756	1763	rVB4	241693	487996	11.37%	1.092%
43	12.365	1763	1770	1777	rBV3	655719	1574916	36.70%	3.526%
44	12.476	1783	1789	1794	rVB2	810475	1452954	33.86%	3.253%
45	12.588	1794	1808	1821	rBV4	1054513	4290818	100.00%	9.606%
46	12.694	1821	1826	1828	rVV5	276381	593441	13.83%	1.329%
47	12.729	1829	1832	1840	rVB3	412111	746287	17.39%	1.671%
48	12.794	1840	1843	1846	rVB	48648	59589	1.39%	0.133%
49	12.847	1846	1852	1858	rVB	605250	1004948	23.42%	2.250%
50	12.929	1858	1866	1871	rBV4	211834	495179	11.54%	1.109%
51	13.018	1876	1881	1887	rVB3	515778	1026636	23.93%	2.298%
52	13.088	1887	1893	1898	rBV5	191463	422586	9.85%	0.946%
53	13.171	1898	1907	1912	rBV5	510113	1320881	30.78%	2.957%
54	13.223	1912	1916	1921	rVB2	267890	445724	10.39%	0.998%
55	13.306	1925	1930	1934	rBV3	189649	323475	7.54%	0.724%
56	13.353	1934	1938	1941	rBV2	162315	242296	5.65%	0.542%
57	13.388	1941	1944	1950	rVB	484184	718339	16.74%	1.608%
58	13.518	1959	1966	1971	rBV3	176065	428278	9.98%	0.959%
59	13.570	1971	1975	1979	rVV3	146355	237787	5.54%	0.532%
60	13.612	1979	1982	1986	rVB2	112494	150973	3.52%	0.338%
61	13.676	1986	1993	1997	rBV4	401105	848835	19.78%	1.900%
62	13.747	2002	2005	2007	rVV	150328	218407	5.09%	0.489%
63	13.782	2007	2011	2019	rVV2	639035	1159910	27.03%	2.597%
64	13.853	2019	2023	2030	rVB2	148112	248351	5.79%	0.556%
65	13.941	2031	2038	2042	rBV5	130450	267975	6.25%	0.600%
66	14.112	2061	2067	2072	rBV2	379378	768187	17.90%	1.720%
67	14.212	2080	2084	2087	rBV3	100643	155018	3.61%	0.347%
68	14.253	2087	2091	2095	rVV4	93465	155529	3.62%	0.348%
69	14.323	2099	2103	2108	rVB	210935	323424	7.54%	0.724%
70	14.435	2117	2122	2128	rVB3	143707	276974	6.46%	0.620%
71	14.500	2129	2133	2139	rVV6	102005	181797	4.24%	0.407%
72	14.576	2142	2146	2149	rVV4	120620	233723	5.45%	0.523%
73	14.623	2149	2154	2157	rVV2	396819	714115	16.64%	1.599%
74	14.653	2157	2159	2167	rVB2	280627	422771	9.85%	0.946%
75	14.729	2167	2172	2176	rBV3	165116	257871	6.01%	0.577%
76	14.788	2178	2182	2187	rVV3	143783	255033	5.94%	0.571%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086500.D
 Acq On : 05 May 2025 20:50
 Operator : JC\MD
 Sample : Q1939-06 20X
 Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GB3B

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\82N041525W.M
 Title : SW846 8260

77	14.835	2187	2190	2197	rVB6	62456	111416	2.60%	0.249%
78	14.929	2201	2206	2210	rBV3	75054	149366	3.48%	0.334%
79	15.029	2218	2223	2229	rBV3	323061	820126	19.11%	1.836%
80	15.265	2259	2263	2266	rBV5	71191	124596	2.90%	0.279%
81	15.312	2266	2271	2276	rVB3	152169	287936	6.71%	0.645%
82	15.429	2286	2291	2298	rVB4	156890	381348	8.89%	0.854%
83	15.588	2313	2318	2327	rVB3	205289	400084	9.32%	0.896%
84	15.941	2370	2378	2385	rBV4	149459	426554	9.94%	0.955%
85	16.017	2387	2391	2397	rVB4	58069	122017	2.84%	0.273%
86	16.247	2428	2430	2436	rVB3	64303	95537	2.23%	0.214%
87	16.329	2437	2444	2450	rVB5	79358	237565	5.54%	0.532%
88	16.488	2464	2471	2476	rBV6	85022	224237	5.23%	0.502%
89	16.776	2512	2520	2522	rBV	667258	1271279	29.63%	2.846%

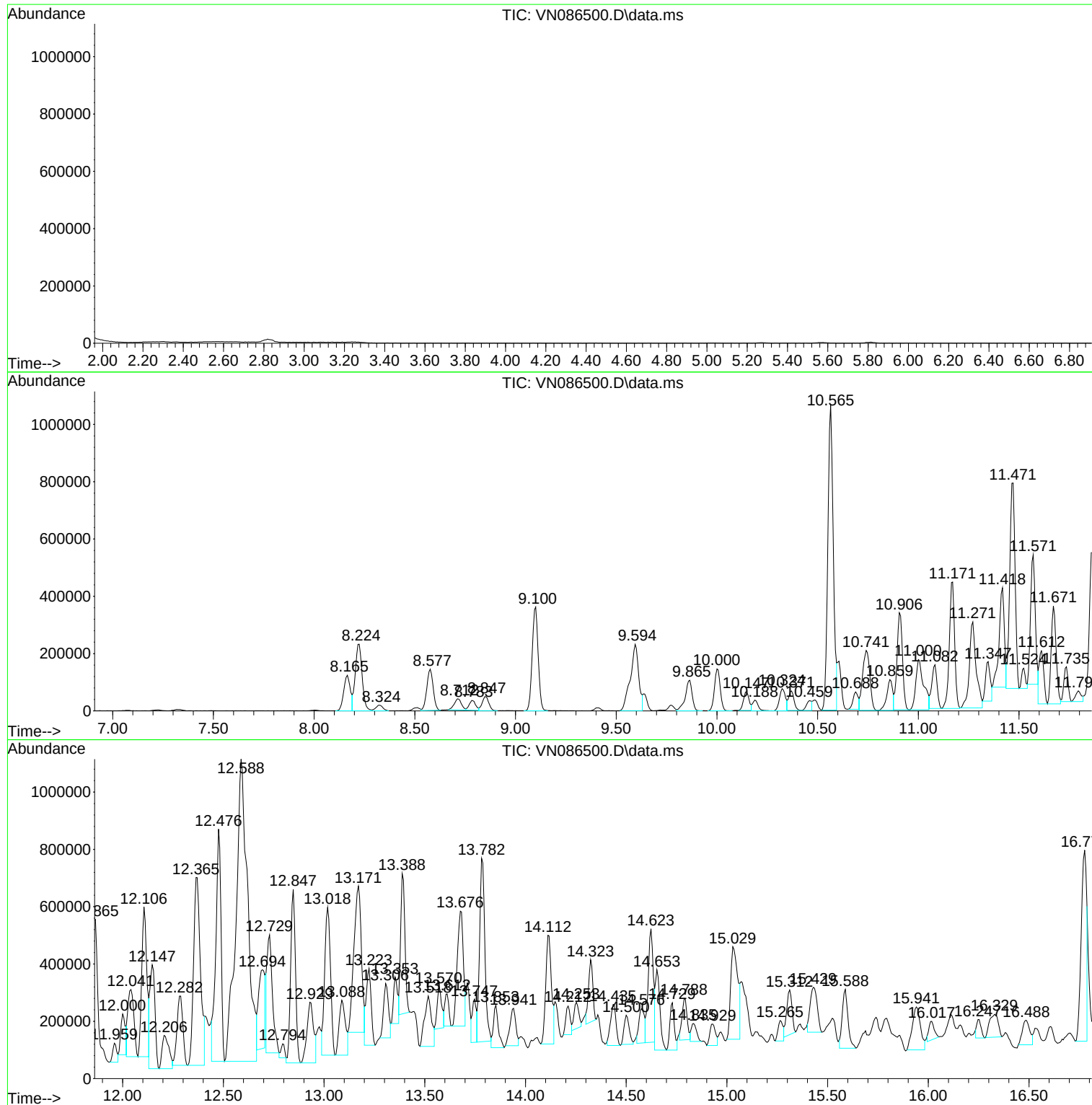
Sum of corrected areas: 44668794

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

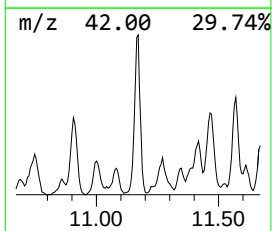
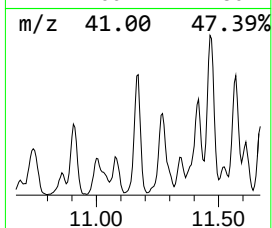
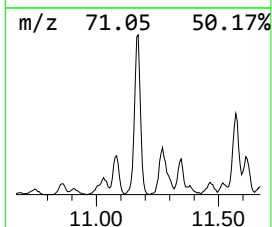
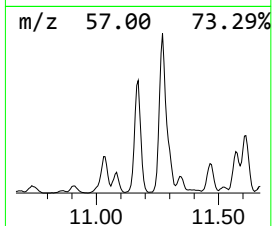
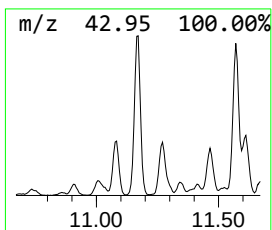
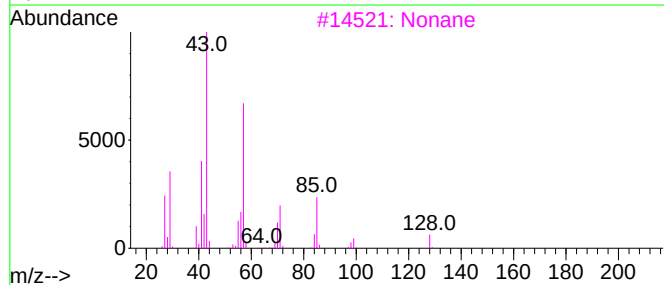
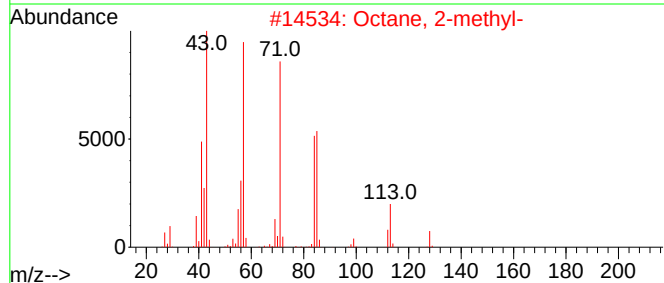
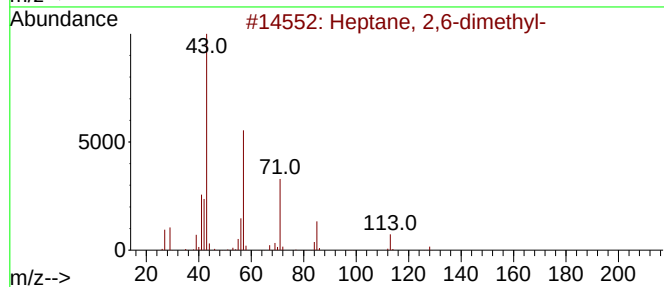
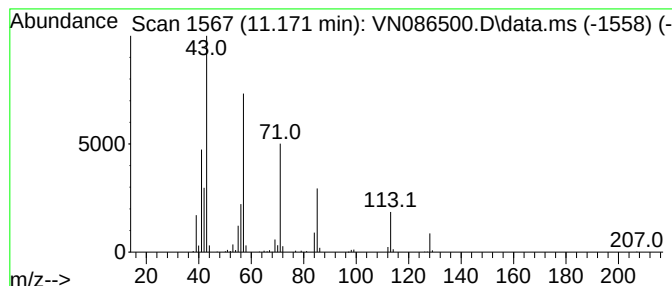
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Quant Title : SW846 8260

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

Peak Number 1 Heptane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.171	40.95 ug/l	798037	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	91
2			Octane, 2-methyl-	128	C9H20	003221-61-2	91
3			Nonane	128	C9H20	000111-84-2	64
4			Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	59
5			Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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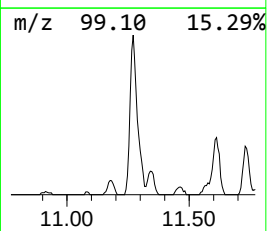
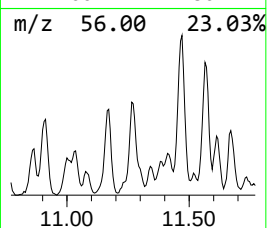
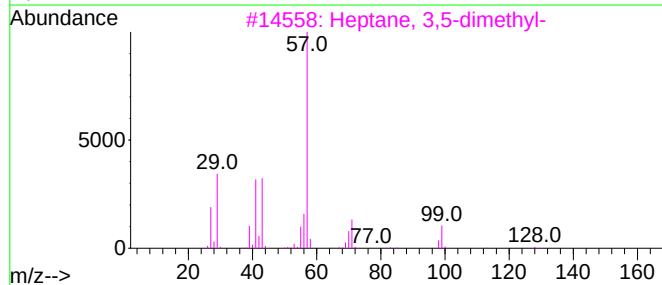
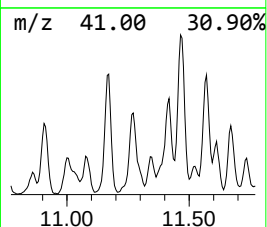
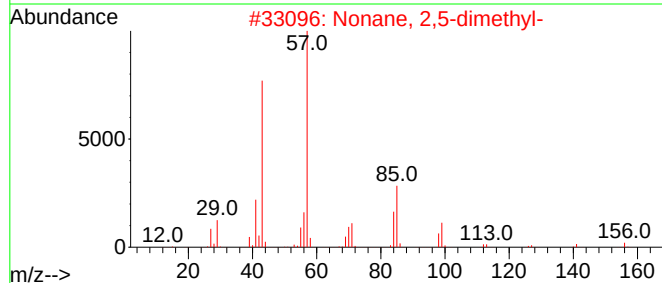
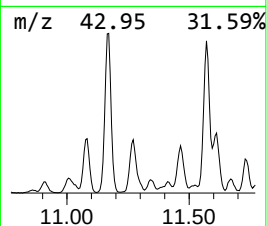
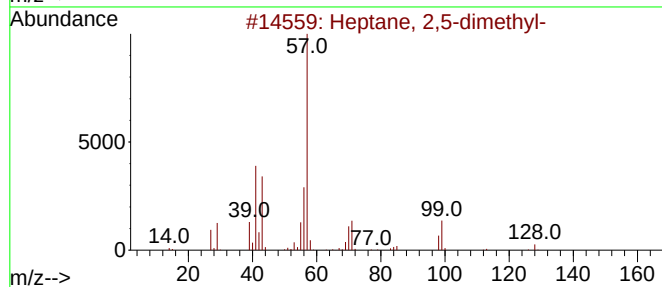
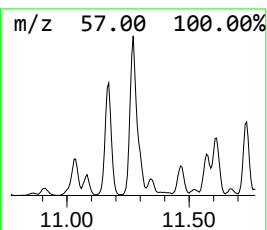
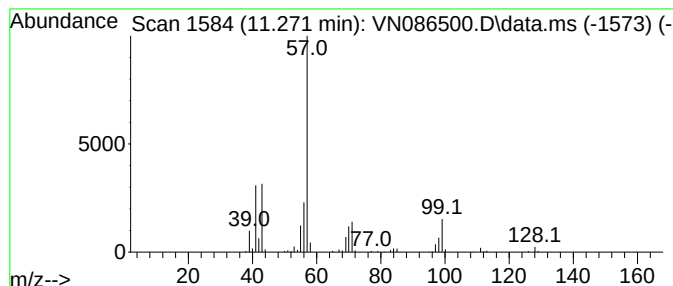
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Quant Title : SW846 8260

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

Peak Number 2 Heptane, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.271	35.85 ug/l	698649	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2			Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	72
3			Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	72
4			Octane, 3-methyl-	128	C9H20	002216-33-3	64
5			Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

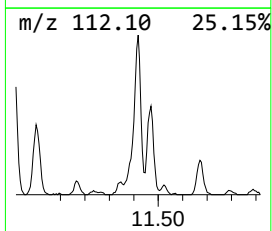
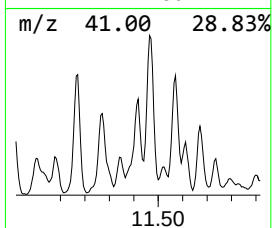
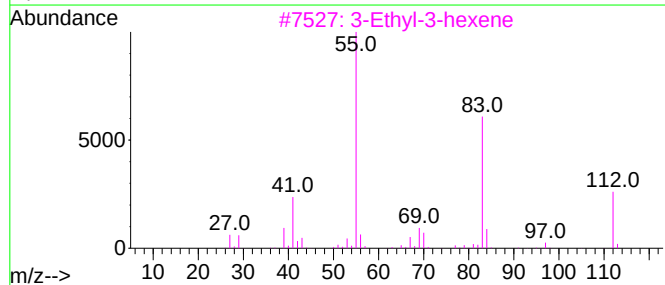
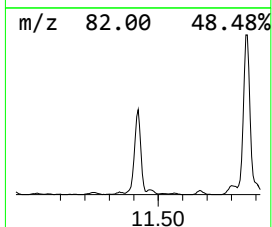
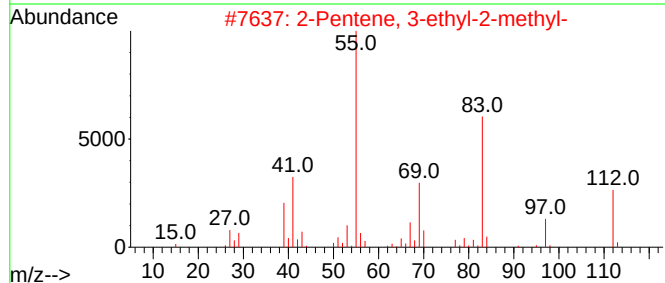
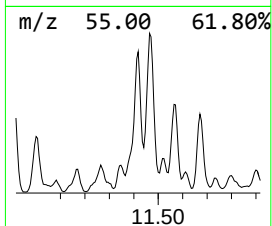
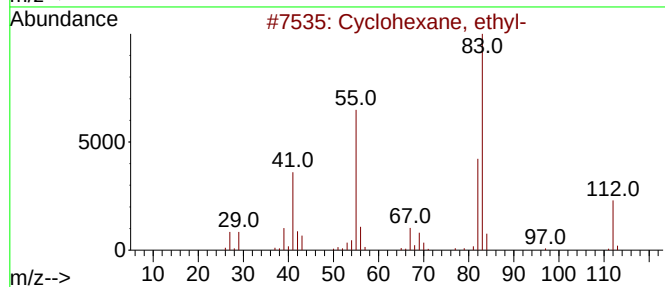
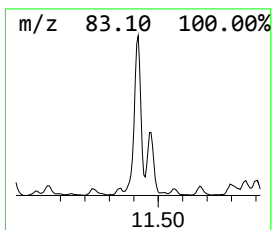
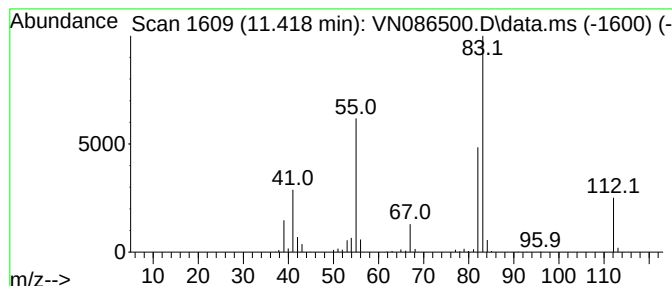
Instrument :
MSVOA_N
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

Peak Number 3 Cyclohexane, ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.418	32.74 ug/l	637943	Chlorobenzene-d5		11.865	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-		112	C8H16	001678-91-7	90
2	2-Pentene, 3-ethyl-2-methyl-		112	C8H16	019780-67-7	59
3	3-Ethyl-3-hexene		112	C8H16	016789-51-8	58
4	2-Hexene, 2,3-dimethyl-		112	C8H16	007145-20-2	53
5	3-Hexene, 2,2-dimethyl-, (Z)-		112	C8H16	000690-92-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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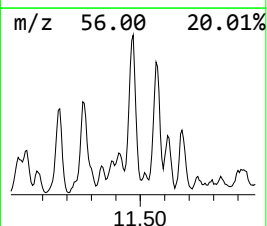
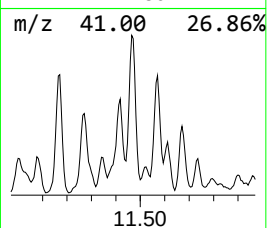
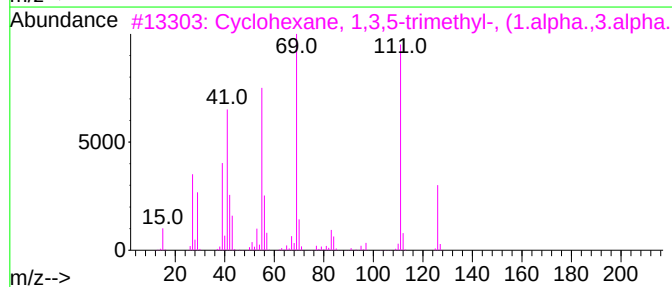
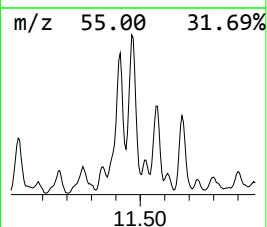
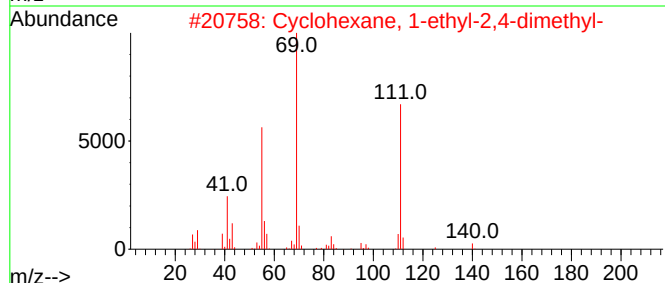
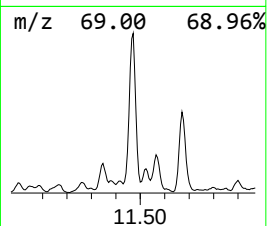
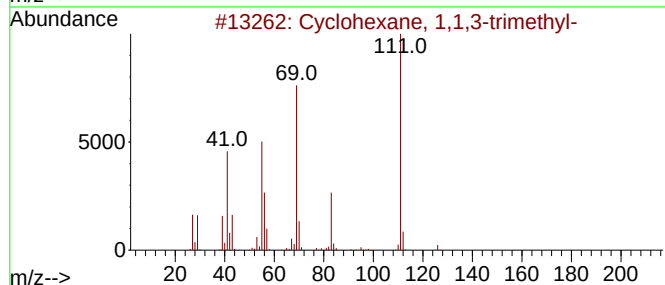
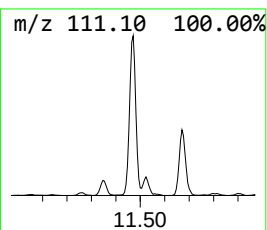
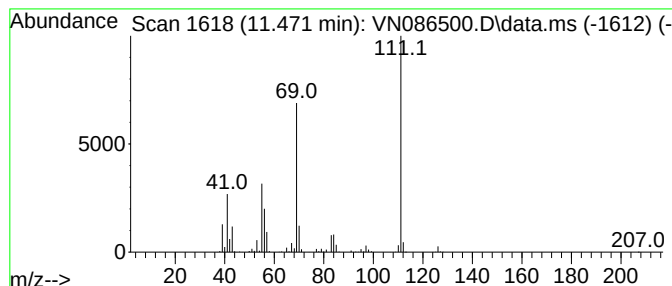
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Quant Title : SW846 8260

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

Peak Number 4 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.471	67.89 ug/l	1323090	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	86
2			Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	50
3			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	45
4			Cyclooctane, butyl-	168	C12H24	016538-93-5	38
5			1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	37



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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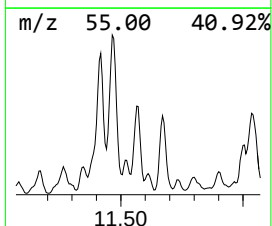
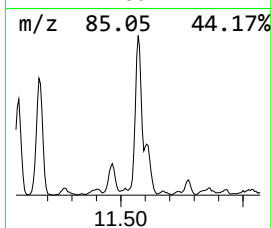
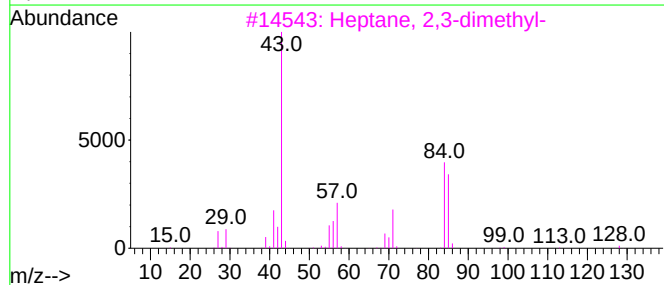
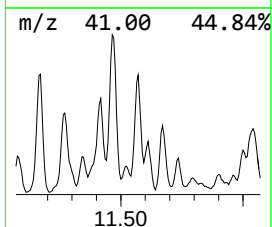
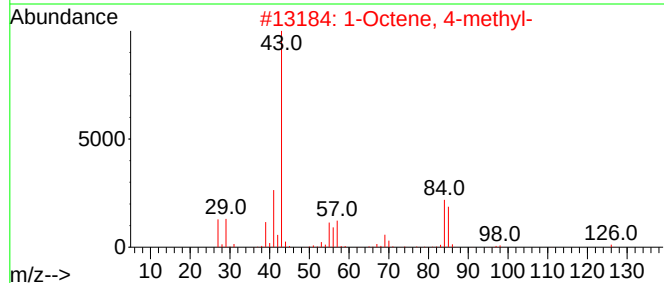
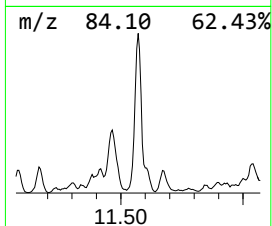
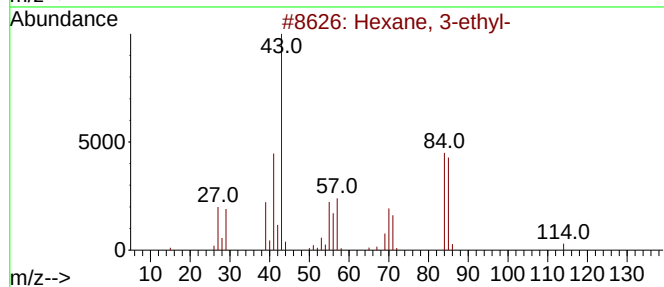
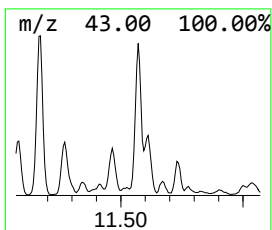
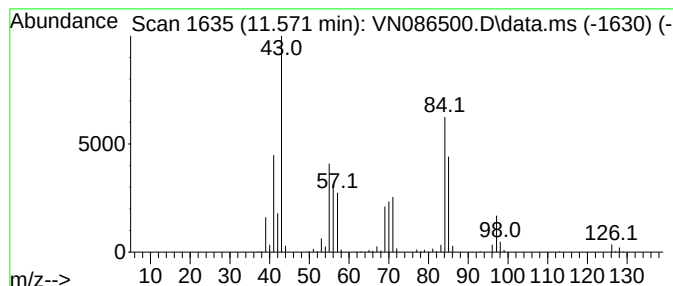
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

Peak Number 5 Hexane, 3-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.571	37.74 ug/l	735435	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
2			1-Octene, 4-methyl-	126	C9H18	013151-12-7	52
3			Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	50
4			Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
5			Formic acid, 2-ethylbutyl ester	130	C7H14O2	1000367-92-2	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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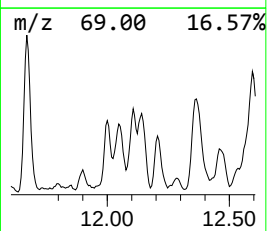
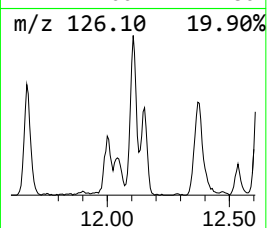
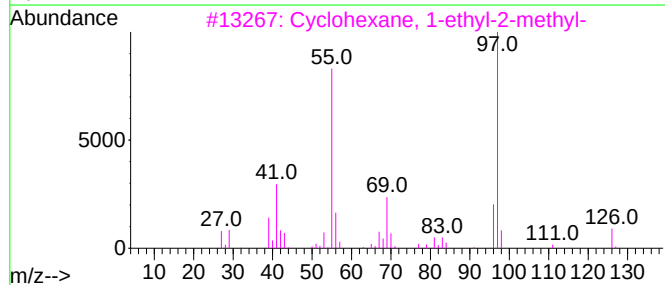
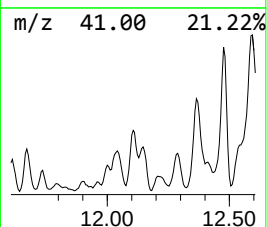
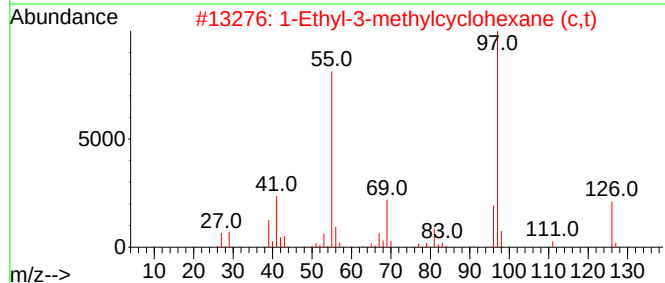
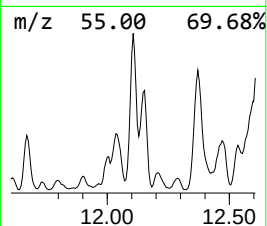
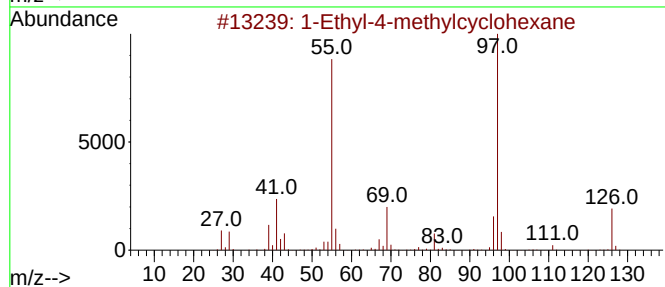
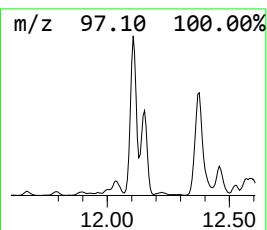
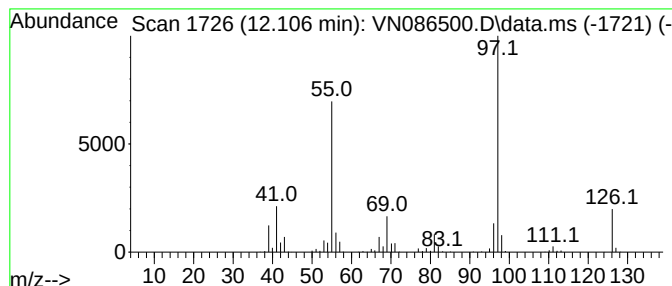
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Quant Title : SW846 8260

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

Peak Number 6 1-Ethyl-4-methylcyclohexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.106	48.32 ug/l	941675	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2			1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	94
3			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	91
4			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	90
5			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

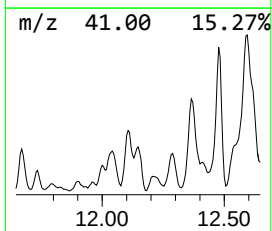
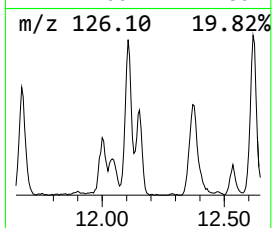
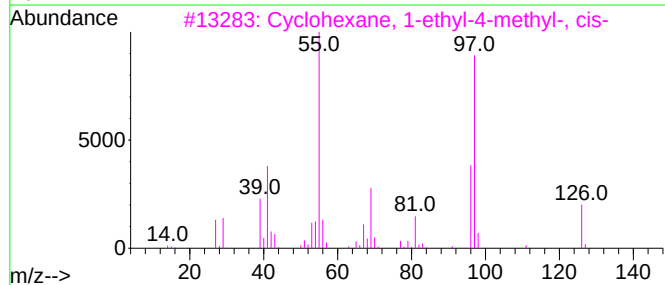
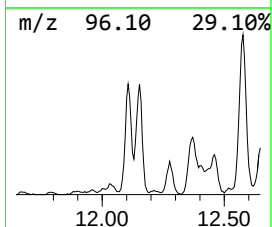
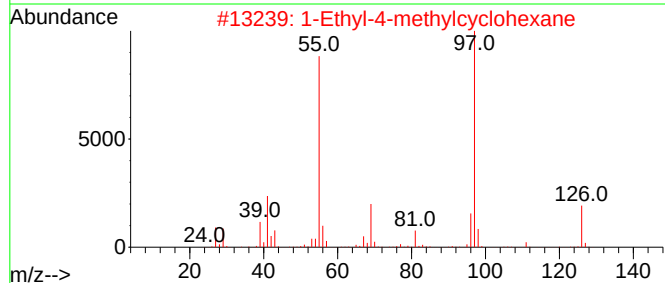
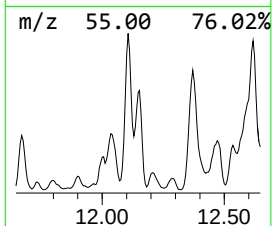
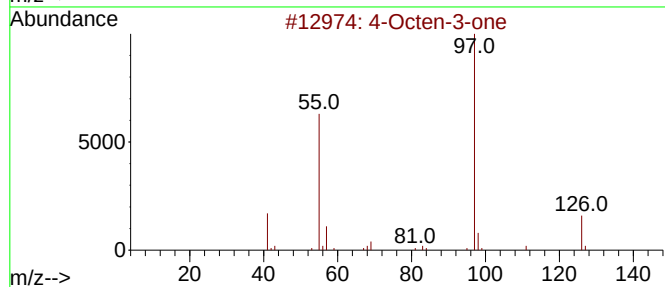
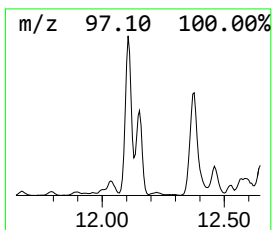
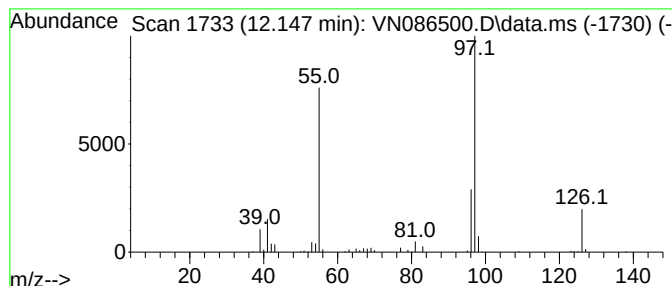
Instrument :
MSVOA_N
ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

Peak Number 7 4-Octen-3-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.147	31.81 ug/l	619984	Chlorobenzene-d5	11.865	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octen-3-one	126	C8H14O	014129-48-7	64
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	56
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	56
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	50
5	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

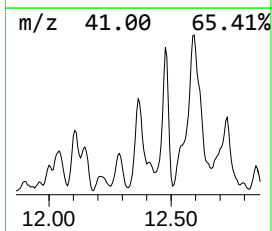
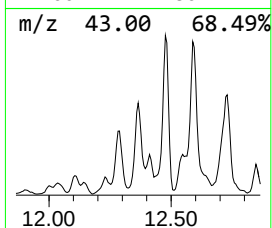
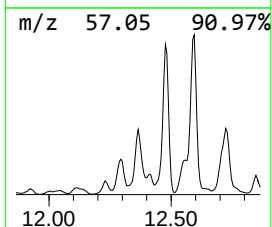
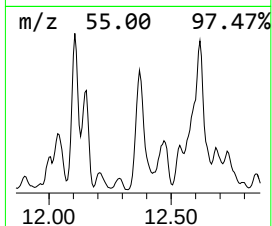
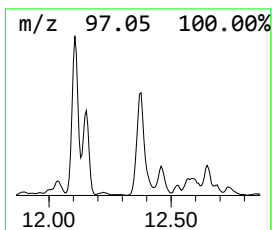
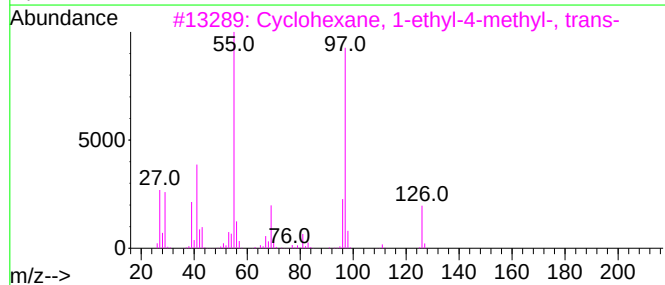
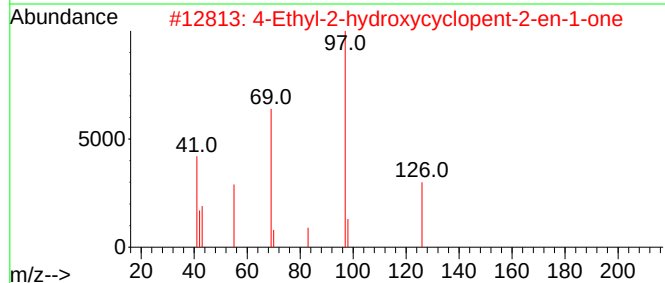
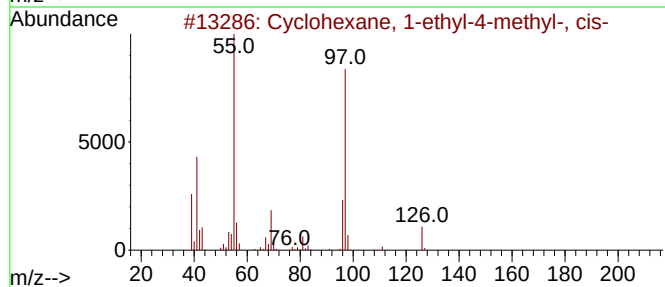
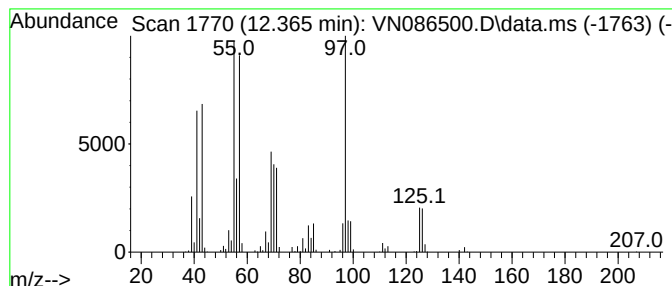
Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

Peak Number 8 unknown12.365 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.365	80.82 ug/l	1574920	Chlorobenzene-d5	11.865	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	41
2	4-Ethyl-2-hydroxycyclopent-2-en-...	126	C7H10O2	028017-62-1	38
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	38
4	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	38
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

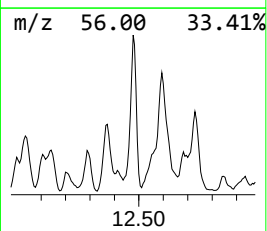
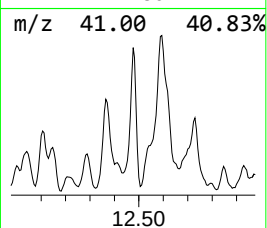
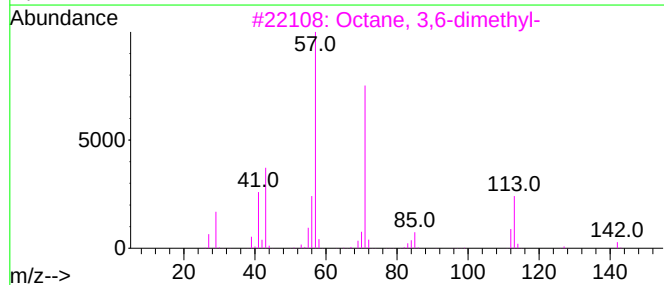
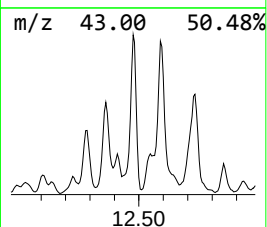
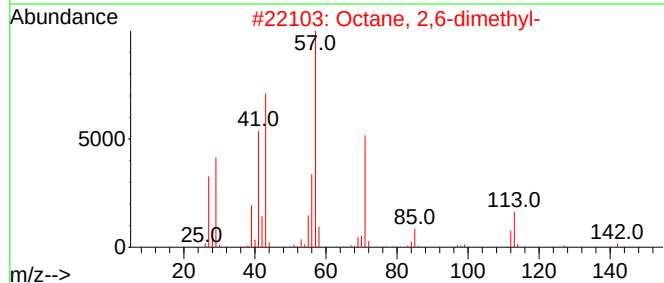
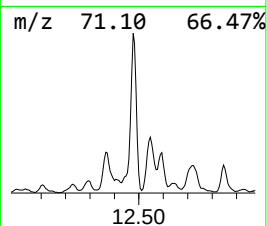
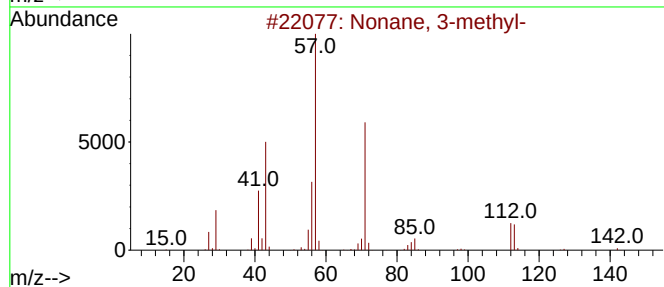
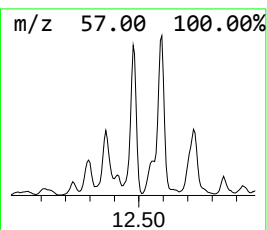
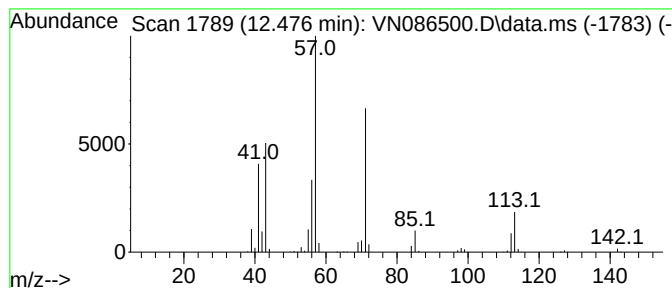
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Quant Title : SW846 8260

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

Peak Number 9 Nonane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.477	74.56 ug/l	1452950	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
3			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
4			Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
5			Sulfurous acid, 2-ethylhexyl iso...	250	C12H26O3S	1000309-18-7	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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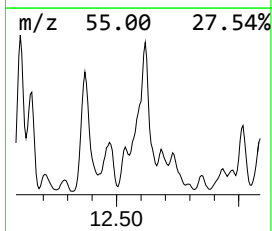
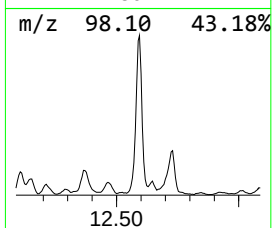
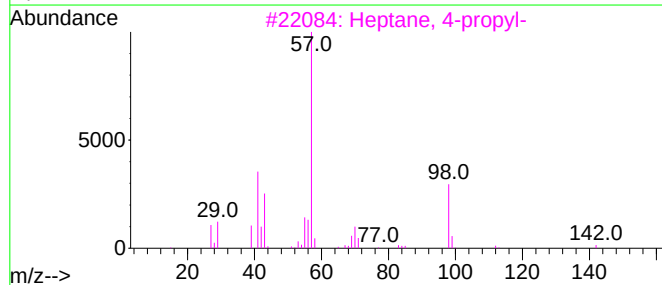
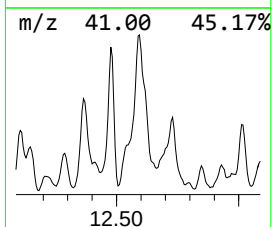
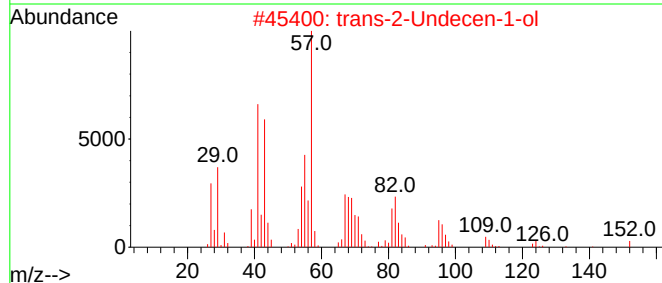
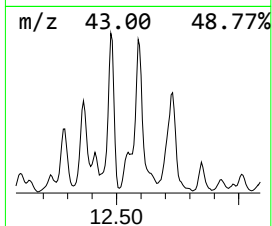
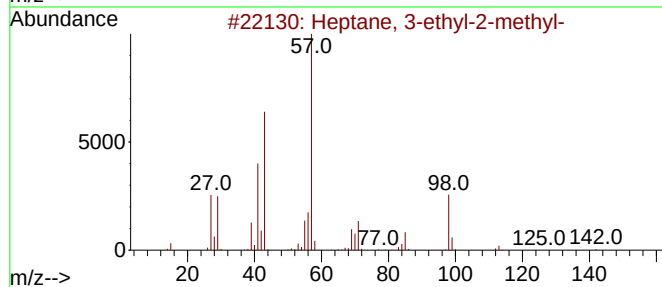
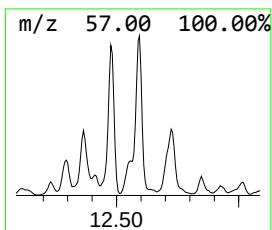
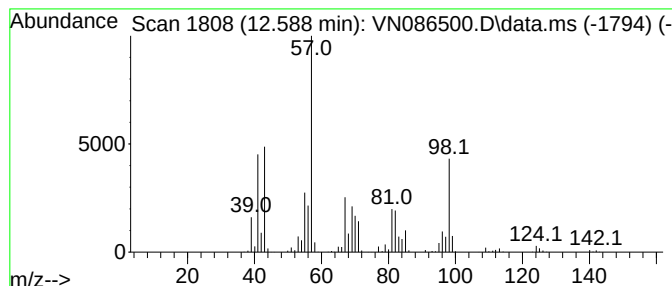
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Quant Title : SW846 8260

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

Peak Number 10 unknown12.588 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.588	220.18 ug/l	4290820	Chlorobenzene-d5	11.865

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	49
2			trans-2-Undecen-1-ol	170	C11H22O	075039-84-8	38
3			Heptane, 4-propyl-	142	C10H22	003178-29-8	38
4			2-Hexen-1-ol, (E)-	100	C6H12O	000928-95-0	38
5			2-Nonen-1-ol	142	C9H18O	022104-79-6	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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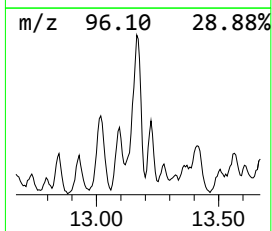
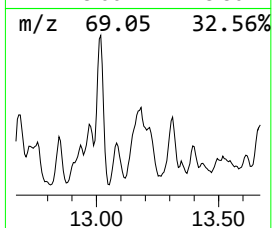
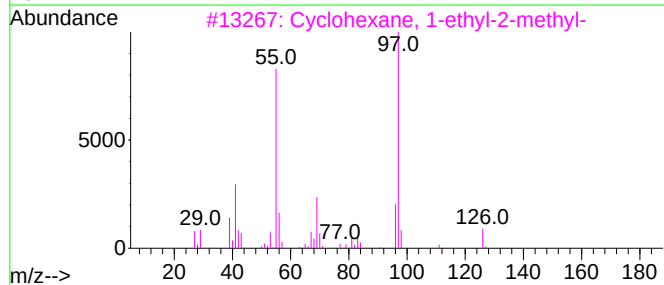
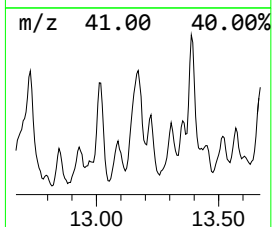
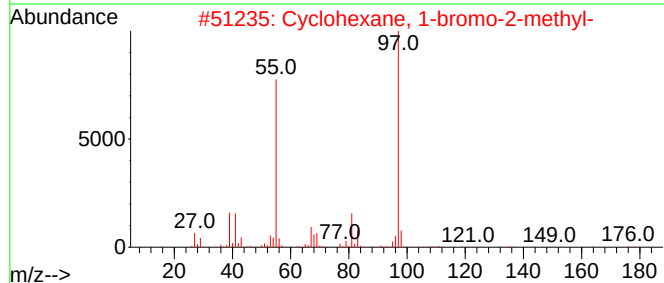
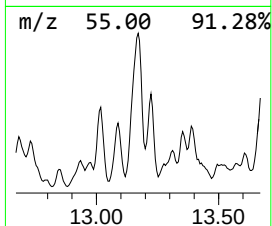
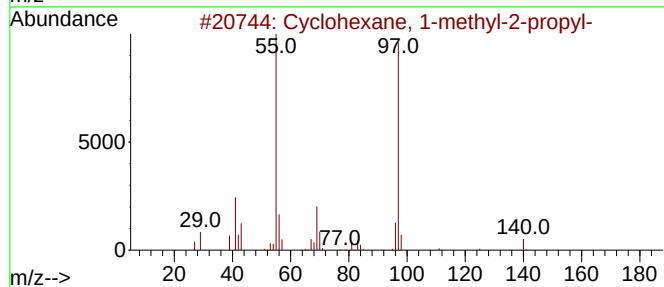
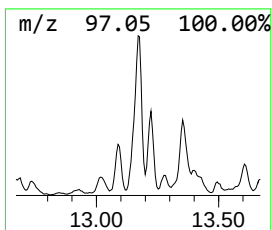
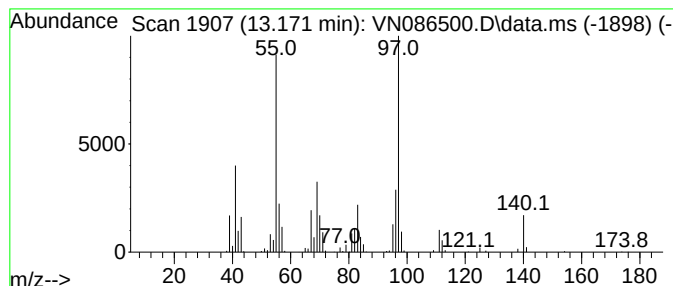
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Quant Title : SW846 8260

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

Peak Number 11 Cyclohexane, 1-methyl-2-pro... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.171	56.94 ug/l	1320880	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	53
2			Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	53
3			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
4			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50
5			Cyclohexane, 1-methyl-4-(1-methyl...	140	C10H20	006069-98-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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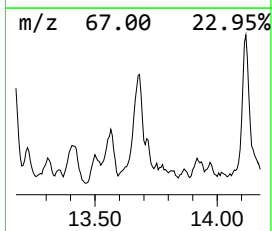
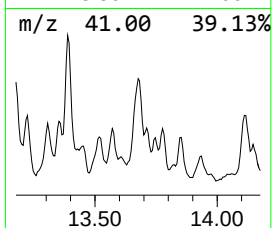
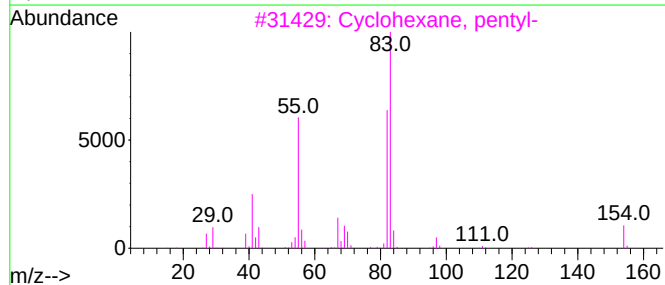
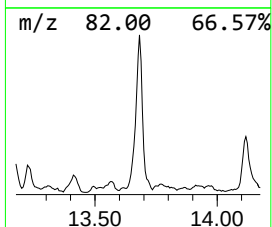
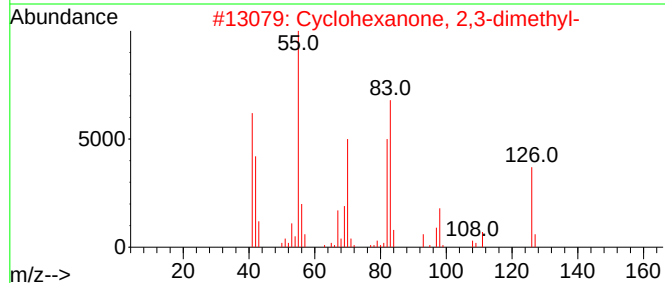
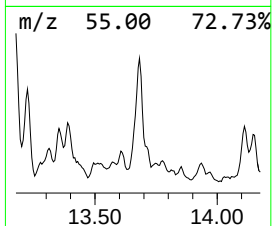
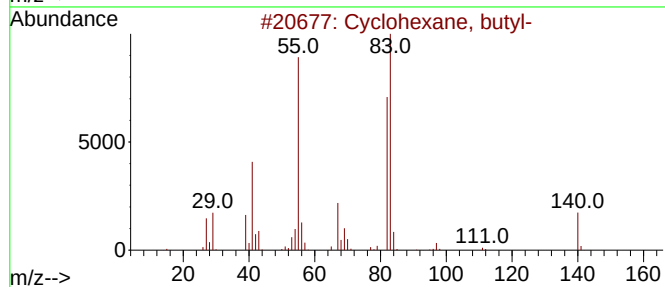
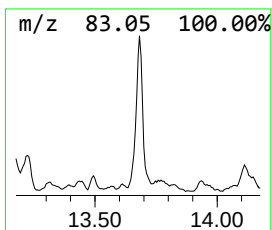
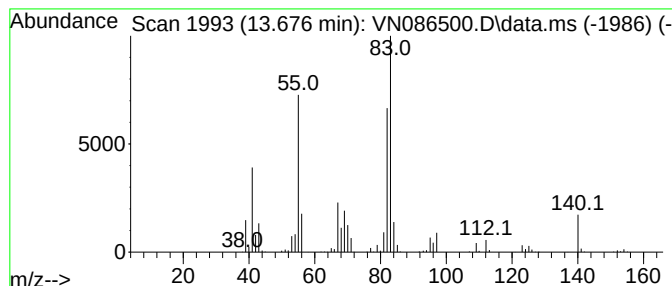
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Quant Title : SW846 8260

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

Peak Number 12 Cyclohexane, butyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	36.59 ug/l	848835	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	80
2			Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	74
3			Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
4			Cyclohexane, octyl-	196	C14H28	001795-15-9	72
5			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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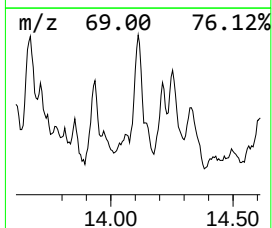
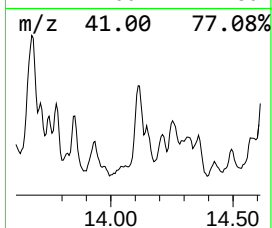
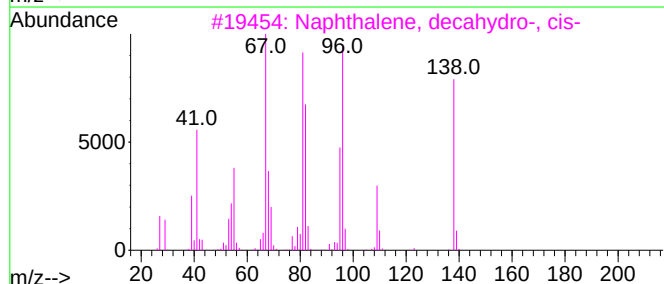
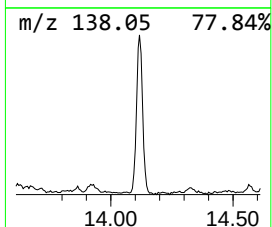
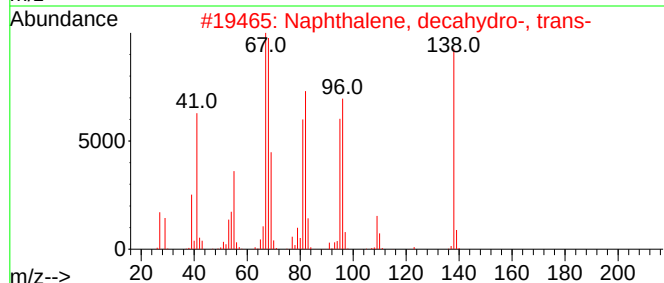
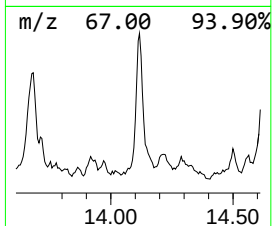
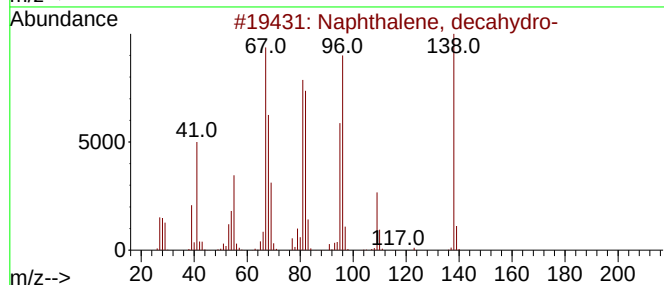
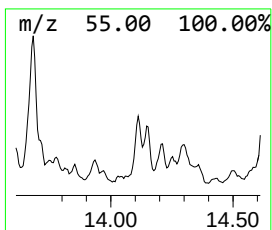
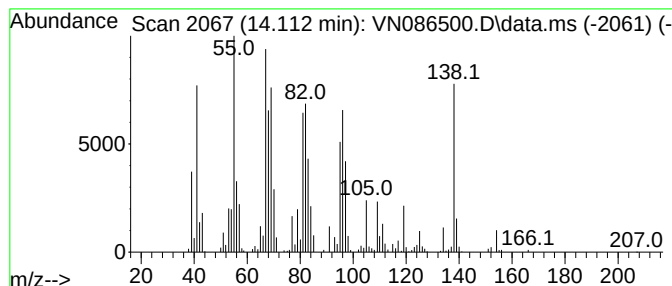
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Quant Title : SW846 8260

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

Peak Number 13 Naphthalene, decahydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.112	33.11 ug/l	768187	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	95
2			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
3			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
4			Spiro[4.5]decane	138	C10H18	000176-63-6	87
5			(Z)-Dec-4-enyl isobutyl carbonate	256	C15H28O3	1000372-79-2	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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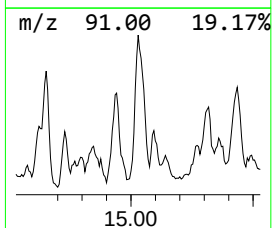
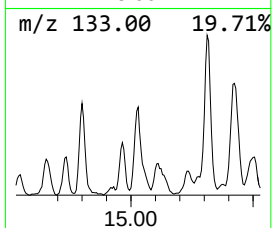
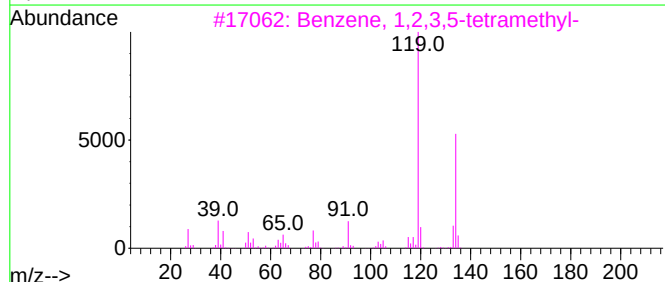
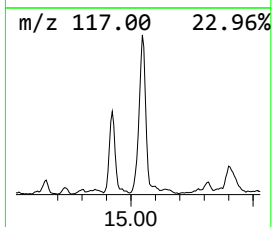
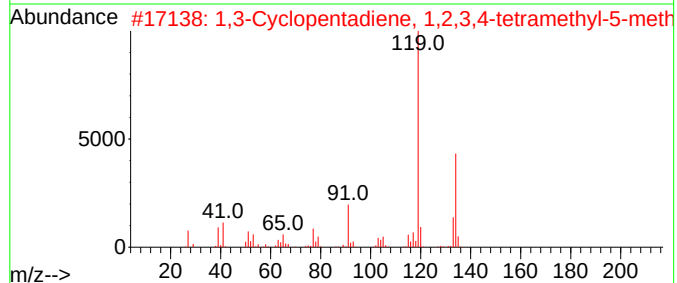
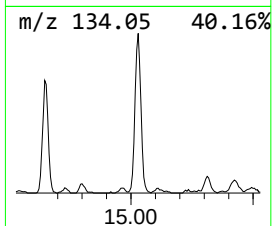
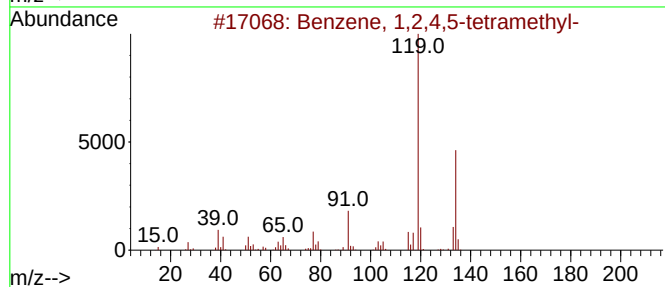
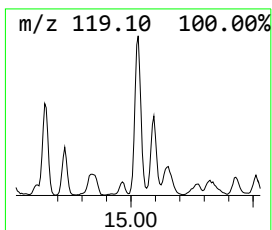
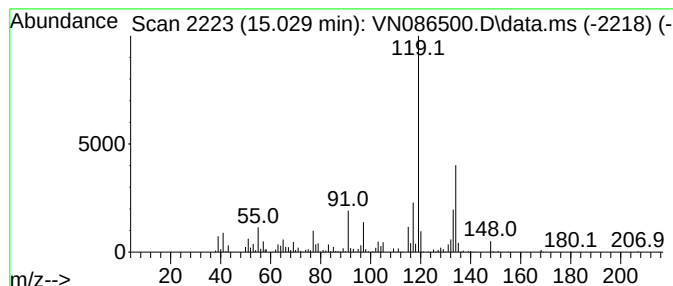
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.029	35.35 ug/l	820126	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	93
2			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70
4			o-Cymene	134	C10H14	000527-84-4	70
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

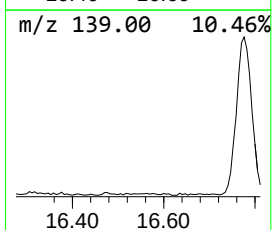
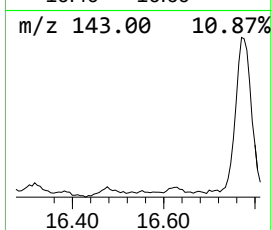
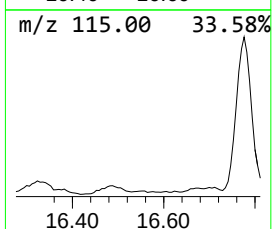
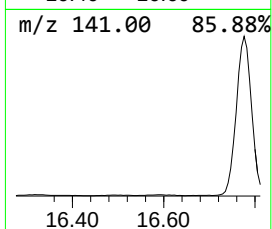
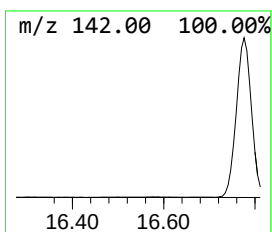
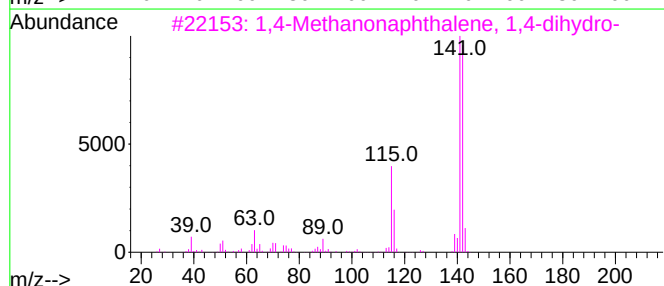
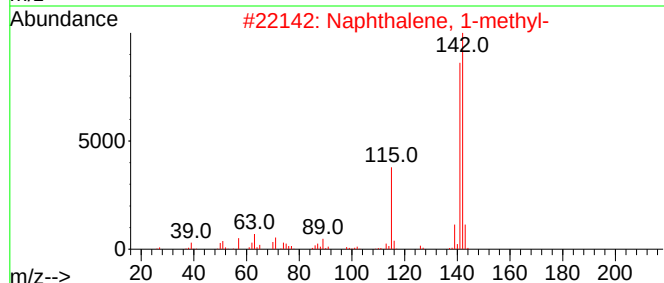
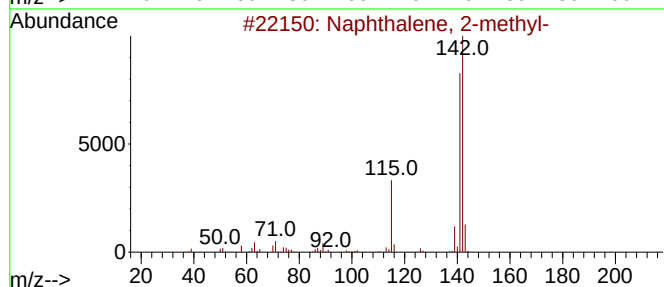
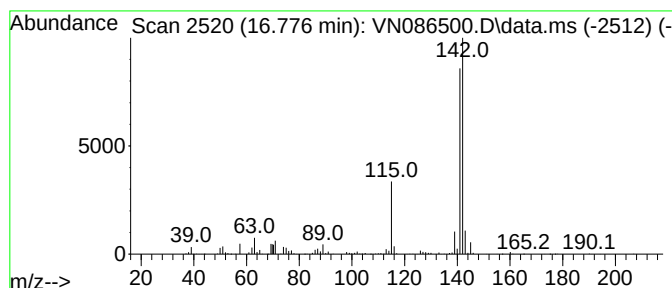
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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

Peak Number 15 1,4-Methanonaphthalene, 1,4... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.776	54.80 ug/l	1271280	1,4-Dichlorobenzene-d4	13.788

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4			Benzocycloheptatriene	142	C11H10	000264-09-5	91
5			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086500.D
Acq On : 05 May 2025 20:50
Operator : JC\MD
Sample : Q1939-06 20X
Misc : 7.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
GB3B

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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
Heptane, 2,6-di...	11.171	41.0	ug/l	798037	3	11.865	974370	50.0
Heptane, 2,5-di...	11.271	35.9	ug/l	698649	3	11.865	974370	50.0
Cyclohexane, et...	11.418	32.7	ug/l	637943	3	11.865	974370	50.0
Cyclohexane, 1,...	11.471	67.9	ug/l	1323090	3	11.865	974370	50.0
Hexane, 3-ethyl-	11.571	37.7	ug/l	735435	3	11.865	974370	50.0
1-Ethyl-4-methy...	12.106	48.3	ug/l	941675	3	11.865	974370	50.0
4-Octen-3-one	12.147	31.8	ug/l	619984	3	11.865	974370	50.0
unknown12.365	12.365	80.8	ug/l	1574920	3	11.865	974370	50.0
Nonane, 3-methyl-	12.477	74.6	ug/l	1452950	3	11.865	974370	50.0
unknown12.588	12.588	220.2	ug/l	4290820	3	11.865	974370	50.0
Cyclohexane, 1-...	13.171	56.9	ug/l	1320880	4	13.788	1159910	50.0
Cyclohexane, bu...	13.676	36.6	ug/l	848835	4	13.788	1159910	50.0
Naphthalene, de...	14.112	33.1	ug/l	768187	4	13.788	1159910	50.0
Benzene, 1,2,4,...	15.029	35.4	ug/l	820126	4	13.788	1159910	50.0
1,4-Methanonaph...	16.776	54.8	ug/l	1271280	4	13.788	1159910	50.0



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939
 Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086277.D		RRF005 = VN086278.D		RRF010 = VN086279.D			
		RRF020 = VN086280.D		RRF050 = VN086281.D		RRF100 = VN086282.D			
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD	
Dichlorodifluoromethane	0.606	0.561	0.582	0.624	0.591	0.593	0.593	3.6	
Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.5	
Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.4	
Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.5	
Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.3	
Trichlorofluoromethane	0.988	0.951	0.859	0.927	0.863	0.875	0.911	5.9	
1,1,2-Trichlorotrifluoroethane	0.577	0.581	0.522	0.567	0.526	0.532	0.551	4.9	
1,1-Dichloroethene	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.6	
Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.2	
Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.3	
Methyl tert-butyl Ether	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.8	
Methyl Acetate	1.024	0.912	0.819	0.864	0.781	0.822	0.870	10	
Methylene Chloride	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.7	
trans-1,2-Dichloroethene	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.1	
1,1-Dichloroethane	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.6	
Cyclohexane		1.439	1.140	1.169	1.066	1.062	1.175	13.1	
2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.7	
Carbon Tetrachloride	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.9	
cis-1,2-Dichloroethene	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.3	
Bromochloromethane	0.545	0.608	0.436	0.465	0.495	0.506	0.509	12	
Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.3	
1,1,1-Trichloroethane	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.8	
Methylcyclohexane	0.611	0.579	0.513	0.549	0.524	0.531	0.551	6.8	
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8	
1,2-Dichloroethane	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.1	
Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.8	
1,2-Dichloropropane	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.2	
Bromodichloromethane	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.4	
4-Methyl-2-Pentanone	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.9	
Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.6	

* 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: GENV01
 Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939
 Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086277.D		RRF005 = VN086278.D		RRF010 = VN086279.D			
		RRF020 = VN086280.D		RRF050 = VN086281.D		RRF100 = VN086282.D			
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD	
t-1,3-Dichloropropene	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.4	
cis-1,3-Dichloropropene	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.5	
1,1,2-Trichloroethane	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.9	
2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.3	
Dibromochloromethane	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.5	
1,2-Dibromoethane	0.359	0.342	0.319	0.350	0.324	0.323	0.336	4.9	
Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.8	
Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.8	
Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.4	
m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.4	
o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.2	
Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.3	
Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7	
Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.9	
1,1,2,2-Tetrachloroethane	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.1	
1,3-Dichlorobenzene	1.866	1.822	1.618	1.698	1.610	1.608	1.704	6.7	
1,4-Dichlorobenzene	1.942	1.815	1.615	1.713	1.614	1.597	1.716	8	
1,2-Dichlorobenzene	1.819	1.820	1.565	1.646	1.559	1.502	1.652	8.4	
1,2-Dibromo-3-Chloropropane	0.234	0.274	0.229	0.251	0.222	0.213	0.237	9.2	
1,2,4-Trichlorobenzene	0.822	0.865	0.730	0.793	0.765	0.771	0.791	6	
1,2,3-Trichlorobenzene	0.819	0.810	0.697	0.749	0.708	0.709	0.749	7.2	
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6	
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8	
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8	
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	4	

* 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 : 82N041525W.M
 Title : SW846 8260
 Last Update : Wed Apr 16 04:19:23 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN086277.D 5 =VN086278.D 10 =VN086279.D 20 =VN086280.D 50 =VN086281.D 100 =VN086282.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.606	0.561	0.582	0.624	0.591	0.593	0.593	3.56
3) P	Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.46
4) C	Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.36#
5) T	Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.53
6) T	Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.31
7) T	Trichlorofluor...	0.988	0.951	0.859	0.927	0.863	0.875	0.911	5.87
8) T	Diethyl Ether	0.423	0.421	0.375	0.415	0.374	0.377	0.398	6.12
9) T	1,1,2-Trichlor...	0.577	0.581	0.522	0.567	0.526	0.532	0.551	4.93
10) T	Methyl Iodide		0.598	0.564	0.636	0.599	0.631	0.606	4.84
11) T	Tert butyl alc...		0.145	0.135	0.142	0.124	0.115	0.132	9.44
12) CM	1,1-Dichloroet...	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.59#
13) T	Acrolein		0.121	0.070	0.065	0.061	0.060	0.075	34.06
14) T	Allyl chloride	1.330	1.082	0.957	1.025	0.929	0.954	1.046	14.33
15) T	Acrylonitrile	0.332	0.349	0.308	0.343	0.317	0.313	0.327	5.13
16) T	Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.22
17) T	Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.28
18) T	Methyl Acetate	1.024	0.912	0.819	0.864	0.781	0.822	0.870	10.04
19) T	Methyl tert-bu...	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.76
20) T	Methylene Chlo...	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.71
21) T	trans-1,2-Dich...	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.11
22) T	Diisopropyl ether	2.660	2.385	2.107	2.266	2.109	2.128	2.276	9.58
23) T	Vinyl Acetate	1.743	1.757	1.524	1.643	1.483	1.396	1.591	9.21
24) P	1,1-Dichloroet...	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.57
25) T	2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.73
26) T	2,2-Dichloropr...	1.174	1.154	1.024	1.084	0.983	1.032	1.075	7.07
27) T	cis-1,2-Dichlo...	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.32
28) T	Bromochloromet...	0.545	0.608	0.436	0.465	0.495	0.506	0.509	11.96
29) T	Tetrahydrofuran	0.337	0.319	0.286	0.314	0.281	0.273	0.302	8.30
30) C	Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.29#
31) T	Cyclohexane		1.439	1.140	1.169	1.066	1.062	1.175	13.14
32) T	1,1,1-Trichlor...	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.79
33) S	1,2-Dichloroet...		0.746	0.745	0.707	0.719	0.708	0.725	2.63
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.267	0.255	0.230	0.215	0.194	0.232	12.85
36) T	1,1-Dichloropr...	0.509	0.488	0.426	0.466	0.443	0.448	0.463	6.68
37) T	Ethyl Acetate	0.585	0.509	0.458	0.491	0.446	0.439	0.488	11.15
38) T	Carbon Tetrach...	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.93
39) T	Methylcyclohexane	0.611	0.579	0.513	0.549	0.524	0.531	0.551	6.83
40) TM	Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.81
41) T	Methacrylonitrile	0.327	0.285	0.278	0.283	0.264	0.259	0.283	8.57
42) TM	1,2-Dichloroet...	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.09
43) T	Isopropyl Acetate	2.155	1.263	0.969	0.975	0.866	0.833	1.177	42.71
44) TM	Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.83
45) C	1,2-Dichloropr...	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.24#
46) T	Dibromomethane	0.234	0.244	0.220	0.239	0.227	0.226	0.232	3.74
47) T	Bromodichlorom...	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.39
48) T	Methyl methacr...	0.517	0.436	0.404	0.433	0.395	0.386	0.429	11.14
49) T	1,4-Dioxane	0.009	0.008	0.007	0.008	0.007	0.006	0.007	15.51
50) S	Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.81
51) T	4-Methyl-2-Pen...	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.90
52) CM	Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.60#
53) T	t-1,3-Dichloro...	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.38
54) T	cis-1,3-Dichlo...	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.52
55) T	1,1,2-Trichlor...	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.91
56) T	Ethyl methacry...	0.668	0.644	0.578	0.623	0.579	0.585	0.613	6.23

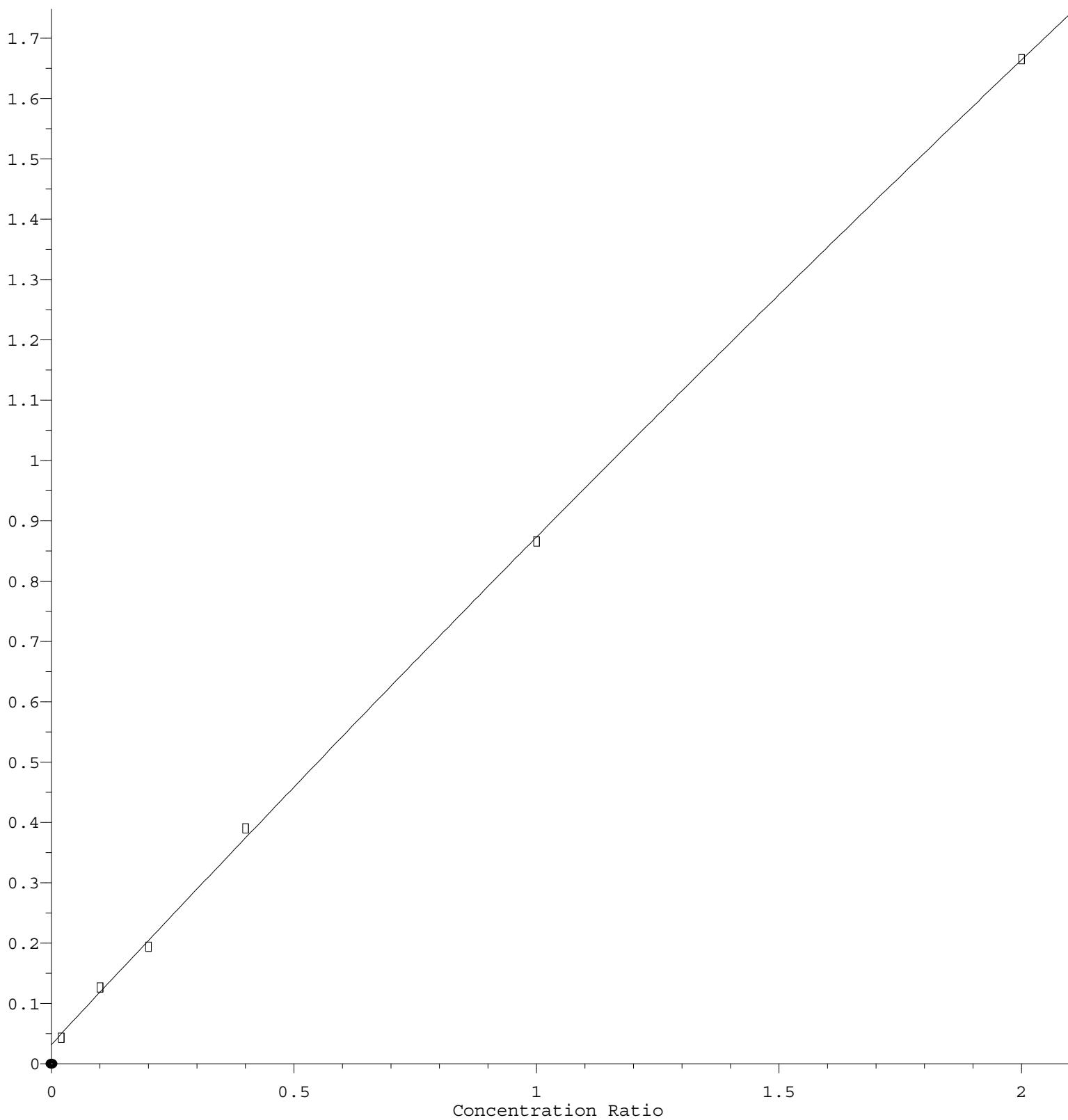
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N041525W.M

57)	T	1,3-Dichloropr...	0.629	0.617	0.567	0.602	0.564	0.571	0.592	4.75
58)	T	2-Chloroethyl ...	0.294	0.354	0.242	0.275	0.287	0.294	0.291	12.51
59)	T	2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.28
60)	T	Dibromochlorom...	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.48
61)	T	1,2-Dibromoethane	0.359	0.342	0.319	0.350	0.324	0.323	0.336	4.94
62)	S	4-Bromofluorob...	0.459	0.456	0.421	0.459	0.467	0.452		4.02
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.83
65)	PM	Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.78
66)	T	1,1,1,2-Tetrac...	0.400	0.396	0.349	0.368	0.347	0.348	0.368	6.70
67)	C	Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.39#
68)	T	m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.38
69)	T	o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.16
70)	T	Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.28
71)	P	Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7.03
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.89
74)	T	N-amyl acetate	2.690	2.110	1.879	2.000	1.778	1.760	2.036	17.03
75)	P	1,1,2,2-Tetrac...	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.07
76)	T	1,2,3-Trichlor...	1.518	1.144	1.153	1.182	1.042	1.040	1.180	14.93
77)	T	Bromobenzene	0.968	0.935	0.905	0.946	0.850	0.833	0.906	5.99
78)	T	n-propylbenzene	5.366	5.072	4.629	4.862	4.488	4.501	4.820	7.26
79)	T	2-Chlorotoluene	3.378	3.247	2.908	3.058	2.759	2.745	3.016	8.61
80)	T	1,3,5-Trimethy...	3.800	3.518	3.178	3.418	3.083	3.088	3.348	8.50
81)	T	trans-1,4-Dich...	0.526	0.493	0.494	0.461	0.482	0.491		4.81
82)	T	4-Chlorotoluene	3.304	3.152	2.851	3.047	2.810	2.812	2.996	6.86
83)	T	tert-Butylbenzene	3.382	3.057	2.795	2.886	2.608	2.675	2.901	9.80
84)	T	1,2,4-Trimethy...	3.782	3.644	3.262	3.431	3.171	3.156	3.408	7.62
85)	T	sec-Butylbenzene	4.451	4.309	3.897	3.991	3.763	3.729	4.023	7.34
86)	T	p-Isopropyltol...	3.603	3.487	3.174	3.290	3.158	3.185	3.316	5.63
87)	T	1,3-Dichlorobe...	1.866	1.822	1.618	1.698	1.610	1.608	1.704	6.72
88)	T	1,4-Dichlorobe...	1.942	1.815	1.615	1.713	1.614	1.597	1.716	8.05
89)	T	n-Butylbenzene	3.209	3.013	2.746	2.921	2.838	2.910	2.939	5.43
90)	T	Hexachloroethane	0.617	0.586	0.530	0.557	0.518	0.538	0.558	6.74
91)	T	1,2-Dichlorobe...	1.819	1.820	1.565	1.646	1.559	1.502	1.652	8.35
92)	T	1,2-Dibromo-3-...	0.234	0.274	0.229	0.251	0.222	0.213	0.237	9.21
93)	T	1,2,4-Trichlor...	0.822	0.865	0.730	0.793	0.765	0.771	0.791	5.99
94)	T	Hexachlorobuta...	0.308	0.339	0.286	0.301	0.280	0.278	0.299	7.61
95)	T	Naphthalene	3.012	2.955	2.601	2.904	2.675	2.674	2.804	6.20
96)	T	1,2,3-Trichlor...	0.819	0.810	0.697	0.749	0.708	0.709	0.749	7.25

(#) = Out of Range

Isopropyl Acetate

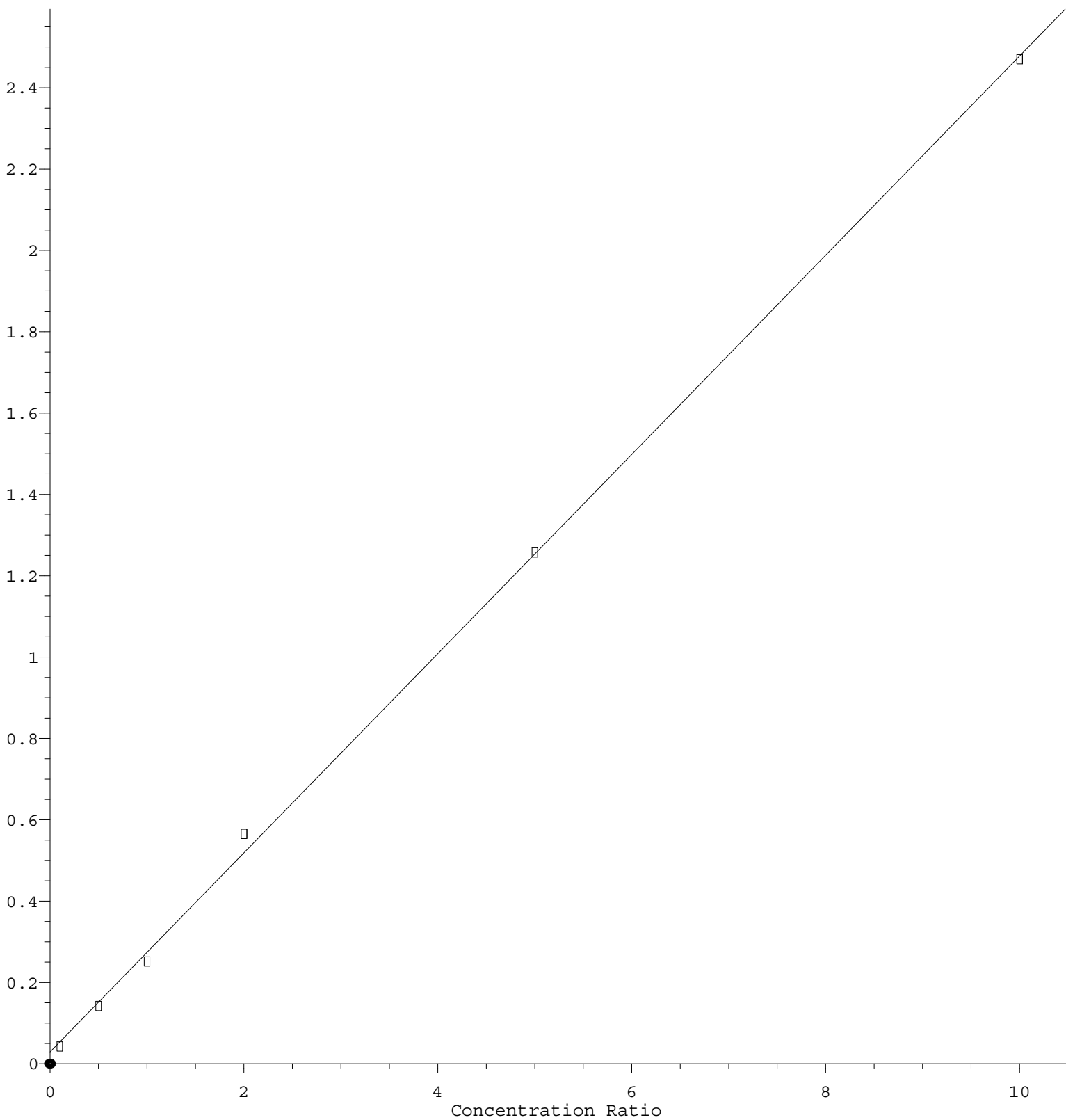
Response Ratio



$R = -2.483e-002 A^2 + 8.654e-001 A + 3.238e-002$
Coef of Det (r^2) = 0.999735 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Acetone

Response Ratio



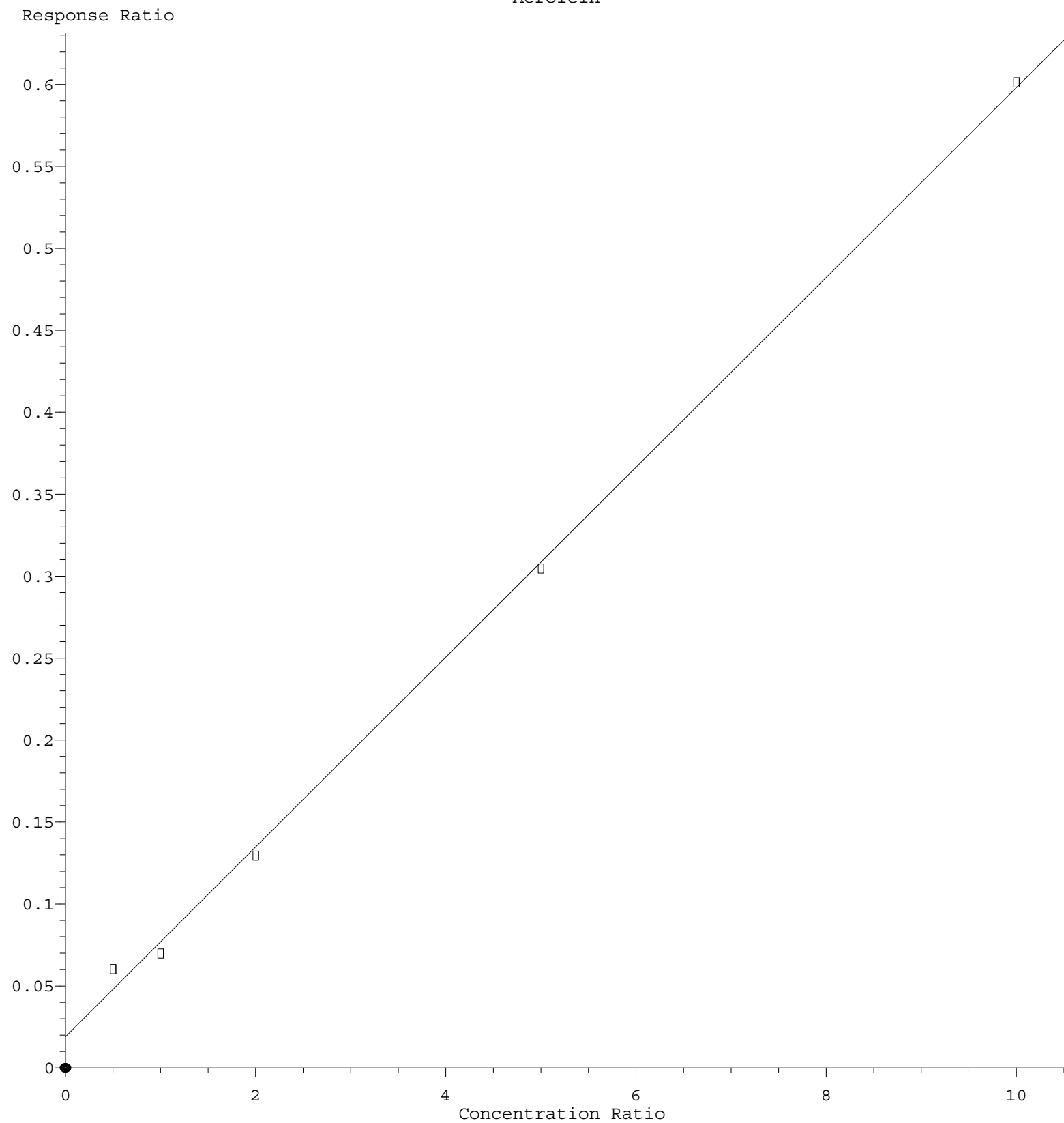
$$\text{Response} = 2.450\text{e-}001 * \text{Amt} + 2.861\text{e-}002$$

Coef of Det (r^2) = 0.999327 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M

Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Acrolein



Response = 5.796e-002 * Amt + 1.861e-002
 Coef of Det (r^2) = 0.998771 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
 Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086277.D
 Acq On : 15 Apr 2025 11:29
 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 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:54:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	218868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	404752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145129	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	74 - 125	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	2651	1.022	ug/l	95
3) Chloromethane	2.360	50	4871	1.292	ug/l	93
4) Vinyl Chloride	2.518	62	3928	1.092	ug/l	94
6) Chloroethane	3.124	64	2846	1.182	ug/l #	86
7) Trichlorofluoromethane	3.495	101	4327	1.086	ug/l #	79
8) Diethyl Ether	3.965	74	1853	1.065	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	2525	1.047	ug/l #	84
12) 1,1-Dichloroethene	4.342	96	2890	1.122	ug/l	97
14) Allyl chloride	5.018	41	5821	1.272	ug/l	94
15) Acrylonitrile	5.730	53	7256	5.069	ug/l	100
16) Acetone	4.430	43	9264m	2.774	ug/l	
17) Carbon Disulfide	4.706	76	10177	1.319	ug/l	97
18) Methyl Acetate	5.024	43	4481	1.176	ug/l	92
19) Methyl tert-butyl Ether	5.789	73	10847	1.145	ug/l #	91
20) Methylene Chloride	5.271	84	3423	1.167	ug/l #	94
21) trans-1,2-Dichloroethene	5.783	96	3079	1.143	ug/l #	84
22) Diisopropyl ether	6.665	45	11644	1.169	ug/l	98
23) Vinyl Acetate	6.606	43	38143	5.479	ug/l	96
24) 1,1-Dichloroethane	6.565	63	5756	1.095	ug/l #	85
25) 2-Butanone	7.489	43	11026	5.581	ug/l	99
26) 2,2-Dichloropropane	7.494	77	5139	1.092	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	3859	1.154	ug/l	90
28) Bromochloromethane	7.800	49	2387	1.071	ug/l #	92
29) Tetrahydrofuran	7.841	42	7367	5.577	ug/l	93
30) Chloroform	7.959	83	5771	1.118	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	4792	1.085	ug/l #	51
36) 1,1-Dichloropropene	8.371	75	4123	1.099	ug/l	94
37) Ethyl Acetate	7.559	43	4732	1.198	ug/l #	91
38) Carbon Tetrachloride	8.359	117	3808	1.066	ug/l	100
39) Methylcyclohexane	9.594	83	4950	1.110	ug/l	96
40) Benzene	8.606	78	13340	1.110	ug/l	97
41) Methacrylonitrile	7.765	41	2651	1.158	ug/l #	94
42) 1,2-Dichloroethane	8.665	62	4258	1.111	ug/l	96
43) Isopropyl Acetate	8.683	43	17444	0.619	ug/l #	75
44) Trichloroethene	9.353	130	3157	1.108	ug/l	87
45) 1,2-Dichloropropane	9.612	63	3063	1.041	ug/l #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086277.D
 Acq On : 15 Apr 2025 11:29
 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 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:54:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

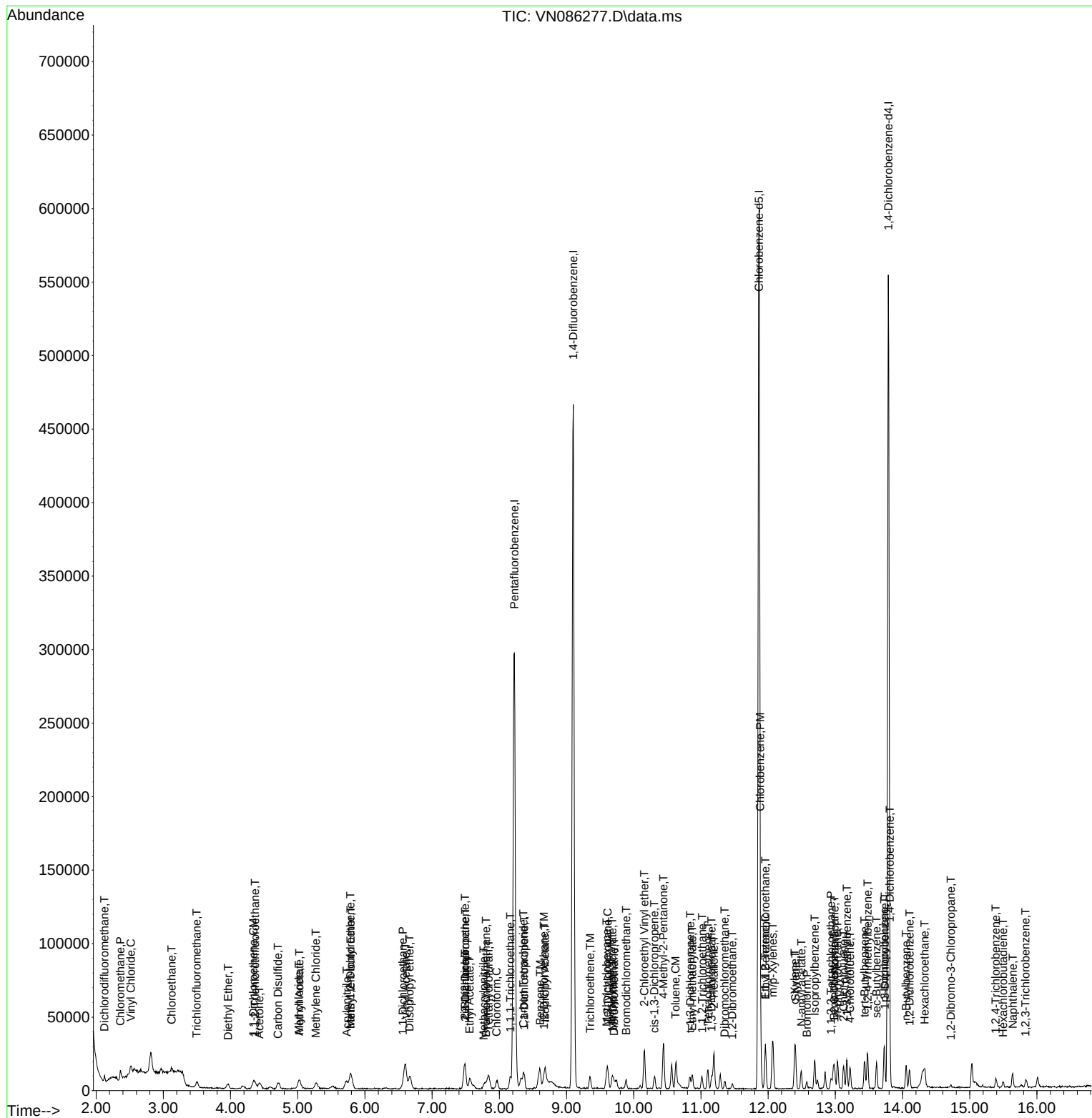
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	1891	1.009	ug/l	91
47) Bromodichloromethane	9.888	83	4302	1.062	ug/l #	97
48) Methyl methacrylate	9.683	41	4185	1.206	ug/l	94
49) 1,4-Dioxane	9.688	88	1477	25.032	ug/l #	76
51) 4-Methyl-2-Pentanone	10.441	43	21143	5.227	ug/l	98
52) Toluene	10.624	92	8120	1.083	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	4663	1.032	ug/l	93
54) cis-1,3-Dichloropropene	10.306	75	5497	1.107	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	2967	1.099	ug/l	93
56) Ethyl methacrylate	10.871	69	5409	1.090	ug/l	90
57) 1,3-Dichloropropane	11.159	76	5091	1.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	11885	5.048	ug/l	97
59) 2-Hexanone	11.194	43	15945	5.315	ug/l	98
60) Dibromochloromethane	11.353	129	3054	1.031	ug/l	96
61) 1,2-Dibromoethane	11.465	107	2908	1.068	ug/l	90
64) Tetrachloroethene	11.106	164	2864	1.090	ug/l	95
65) Chlorobenzene	11.882	112	8440	1.107	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2734	1.087	ug/l #	62
67) Ethyl Benzene	11.959	91	15099	1.097	ug/l	96
68) m/p-Xylenes	12.071	106	11055	2.144	ug/l	98
69) o-Xylene	12.394	106	5408	1.061	ug/l	97
70) Styrene	12.406	104	8925	1.051	ug/l	96
71) Bromoform	12.576	173	2089	1.103	ug/l #	80
73) Isopropylbenzene	12.694	105	13542	1.141	ug/l	98
74) N-amyl acetate	12.494	43	7807	1.321	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	3910	1.145	ug/l	94
76) 1,2,3-Trichloropropane	12.988	75	4407m	1.293	ug/l	
77) Bromobenzene	12.982	156	2811	1.069	ug/l	90
78) n-propylbenzene	13.029	91	15576	1.113	ug/l	98
79) 2-Chlorotoluene	13.124	91	9804	1.120	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	11029	1.135	ug/l	99
82) 4-Chlorotoluene	13.218	91	9589	1.103	ug/l	98
83) tert-Butylbenzene	13.435	119	9817	1.166	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	10977	1.110	ug/l	96
85) sec-Butylbenzene	13.612	105	12920	1.106	ug/l	98
86) p-Isopropyltoluene	13.729	119	10458	1.086	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	5415	1.095	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	5636m	1.132	ug/l	
89) n-Butylbenzene	14.053	91	9315	1.092	ug/l	99
90) Hexachloroethane	14.329	117	1792	1.107	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	5279	1.101	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.718	75	679	0.987	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	2387	1.040	ug/l	93
94) Hexachlorobutadiene	15.494	225	893	1.030	ug/l	78
95) Naphthalene	15.641	128	8743	1.074	ug/l	97
96) 1,2,3-Trichlorobenzene	15.829	180	2378	1.094	ug/l	91

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086278.D
 Acq On : 15 Apr 2025 12:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	234470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	436245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	17487	5.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.280%#		
35) Dibromofluoromethane	8.171	113	11660	5.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.520%#		
50) Toluene-d8	10.565	98	54403	5.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.060%#		
62) 4-Bromofluorobenzene	12.847	95	20034	5.076	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.160%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	13162	4.735	ug/l	95
3) Chloromethane	2.359	50	21191	5.246	ug/l	96
4) Vinyl Chloride	2.512	62	19342	5.018	ug/l	99
5) Bromomethane	2.948	94	8981	5.180	ug/l	91
6) Chloroethane	3.112	64	13592	5.268	ug/l	98
7) Trichlorofluoromethane	3.495	101	22304	5.223	ug/l	92
8) Diethyl Ether	3.959	74	9862	5.291	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	13633	5.278	ug/l	99
10) Methyl Iodide	4.589	142	14033	4.941	ug/l	94
11) Tert butyl alcohol	5.518	59	16966	27.348	ug/l #	88
12) 1,1-Dichloroethene	4.342	96	14583	5.284	ug/l	94
13) Acrolein	4.177	56	14133	35.938	ug/l	91
14) Allyl chloride	5.018	41	25369	5.174	ug/l	98
15) Acrylonitrile	5.712	53	40960	26.709	ug/l	99
16) Acetone	4.430	43	33298	23.124	ug/l	100
17) Carbon Disulfide	4.712	76	43706	5.289	ug/l	98
18) Methyl Acetate	5.024	43	21384	5.239	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	53138	5.238	ug/l	92
20) Methylene Chloride	5.277	84	16566	5.270	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	15380	5.331	ug/l	98
22) Diisopropyl ether	6.665	45	55913	5.239	ug/l #	98
23) Vinyl Acetate	6.600	43	205955m	27.614	ug/l	
24) 1,1-Dichloroethane	6.559	63	29865	5.304	ug/l	99
25) 2-Butanone	7.483	43	55470	26.210	ug/l	100
26) 2,2-Dichloropropane	7.488	77	27048	5.365	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	18982	5.301	ug/l	97
28) Bromochloromethane	7.806	49	14246	5.967	ug/l	95
29) Tetrahydrofuran	7.841	42	37437	26.453	ug/l	99
30) Chloroform	7.965	83	28901	5.225	ug/l	98
31) Cyclohexane	8.253	56	33730	6.122	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	25387	5.365	ug/l	89
36) 1,1-Dichloropropene	8.371	75	21310	5.270	ug/l	100
37) Ethyl Acetate	7.559	43	22206	5.216	ug/l	99
38) Carbon Tetrachloride	8.359	117	20544	5.335	ug/l	92
39) Methylcyclohexane	9.594	83	25242	5.251	ug/l	99
40) Benzene	8.600	78	67406	5.202	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086278.D
 Acq On : 15 Apr 2025 12:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Quant Title : SW846 8260

QLast Update : Wed Apr 16 03:42:50 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	12454	5.047	ug/l	95
42) 1,2-Dichloroethane	8.671	62	21638	5.237	ug/l	100
43) Isopropyl Acetate	8.682	43	55105	5.444	ug/l #	90
44) Trichloroethene	9.353	130	15562	5.067	ug/l	95
45) 1,2-Dichloropropane	9.618	63	16719	5.272	ug/l	94
46) Dibromomethane	9.706	93	10633	5.262	ug/l	97
47) Bromodichloromethane	9.888	83	23118	5.297	ug/l	95
48) Methyl methacrylate	9.682	41	19018	5.087	ug/l	98
49) 1,4-Dioxane	9.688	88	6722	105.699	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	113773	26.097	ug/l	100
52) Toluene	10.624	92	42032	5.199	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	25020	5.136	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	27737	5.183	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	15559	5.349	ug/l	98
56) Ethyl methacrylate	10.871	69	28102	5.256	ug/l	97
57) 1,3-Dichloropropane	11.159	76	26905	5.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	77113	30.387	ug/l	100
59) 2-Hexanone	11.194	43	84443	26.113	ug/l	99
60) Dibromochloromethane	11.359	129	16611	5.201	ug/l	100
61) 1,2-Dibromoethane	11.471	107	14929	5.087	ug/l	97
64) Tetrachloroethene	11.100	164	14998	5.188	ug/l	96
65) Chlorobenzene	11.888	112	44164	5.265	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	14896	5.383	ug/l	98
67) Ethyl Benzene	11.959	91	79376	5.244	ug/l	97
68) m/p-Xylenes	12.071	106	59758	10.537	ug/l	99
69) o-Xylene	12.394	106	29751	5.305	ug/l	98
70) Styrene	12.406	104	48407	5.180	ug/l	99
71) Bromoform	12.576	173	11065	5.311	ug/l #	97
73) Isopropylbenzene	12.694	105	71658	5.221	ug/l	100
74) N-amyl acetate	12.488	43	35409	5.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	21720	5.503	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	19196m	4.870	ug/l	
77) Bromobenzene	12.976	156	15681	5.156	ug/l	93
78) n-propylbenzene	13.035	91	85101	5.261	ug/l	99
79) 2-Chlorotoluene	13.123	91	54490	5.384	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	59035	5.255	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	8832m	5.357	ug/l	
82) 4-Chlorotoluene	13.217	91	52887	5.260	ug/l	99
83) tert-Butylbenzene	13.435	119	51302	5.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	61145	5.347	ug/l	98
85) sec-Butylbenzene	13.612	105	72305	5.355	ug/l	99
86) p-Isopropyltoluene	13.723	119	58514	5.258	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	30570	5.347	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	30447	5.287	ug/l	94
89) n-Butylbenzene	14.053	91	50562	5.126	ug/l	99
90) Hexachloroethane	14.329	117	9832	5.252	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	30546	5.511	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4593	5.772	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	14506	5.465	ug/l	99
94) Hexachlorobutadiene	15.500	225	5680	5.669	ug/l	97
95) Naphthalene	15.641	128	49586	5.270	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	13599	5.412	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

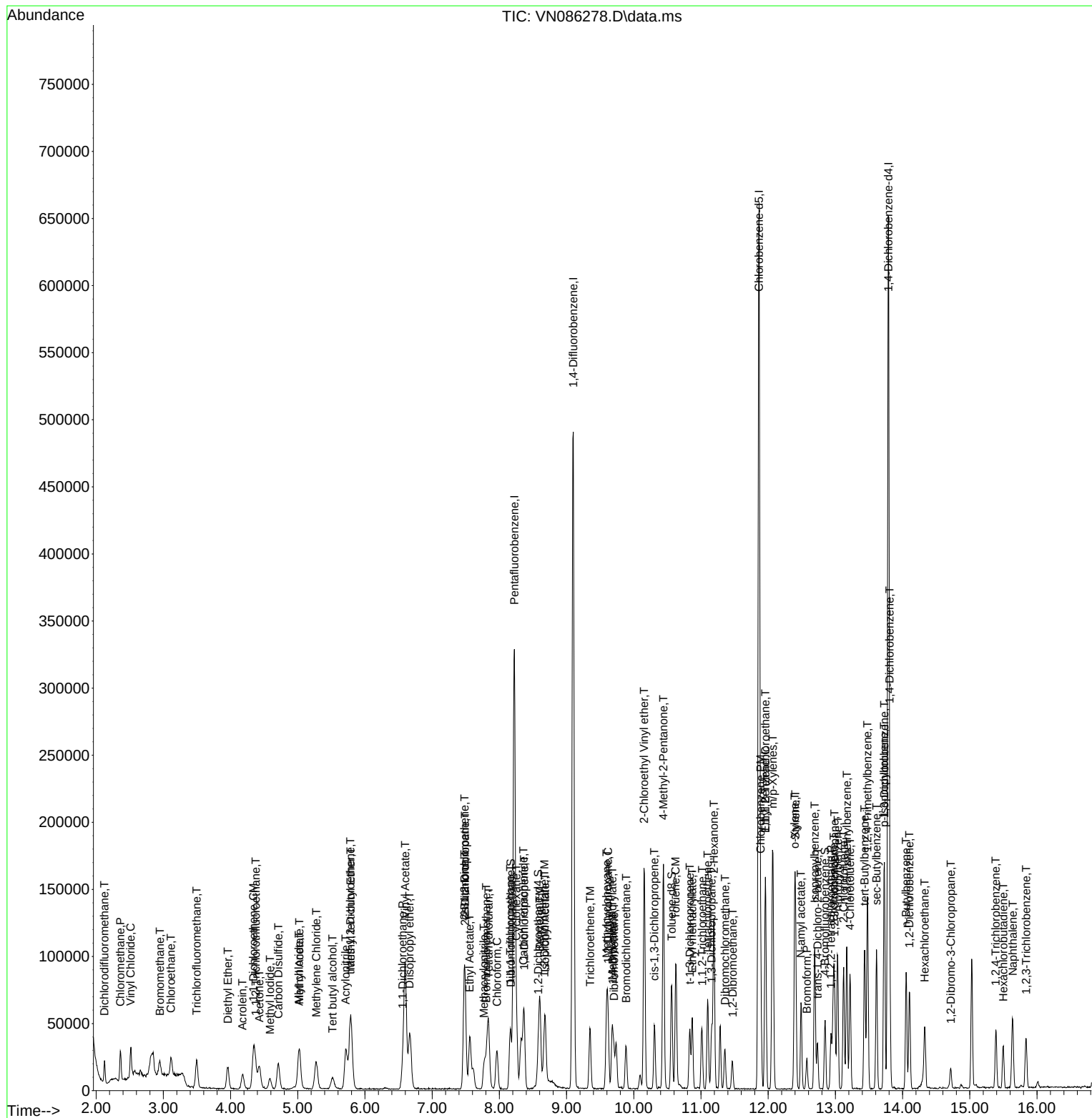
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086279.D
 Acq On : 15 Apr 2025 12:45
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	253576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	468933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	411009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	37770	10.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.540%#		
35) Dibromofluoromethane	8.159	113	23907	10.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	21.960%#		
50) Toluene-d8	10.565	98	120121	10.327	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.660%#		
62) 4-Bromofluorobenzene	12.847	95	42791	10.086	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	20.180%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	29521	9.821	ug/l	96
3) Chloromethane	2.359	50	39728	9.094	ug/l	94
4) Vinyl Chloride	2.518	62	39819	9.551	ug/l	99
5) Bromomethane	2.965	94	18776	10.013	ug/l	87
6) Chloroethane	3.124	64	26337	9.439	ug/l	92
7) Trichlorofluoromethane	3.506	101	43539	9.428	ug/l	99
8) Diethyl Ether	3.959	74	19000	9.425	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	26478	9.478	ug/l	99
10) Methyl Iodide	4.589	142	28586	9.308	ug/l	98
11) Tert butyl alcohol	5.506	59	34343	51.188	ug/l	99
12) 1,1-Dichloroethene	4.342	96	28022	9.389	ug/l	90
13) Acrolein	4.183	56	17703	44.165	ug/l	99
14) Allyl chloride	5.024	41	48555m	9.157	ug/l	
15) Acrylonitrile	5.718	53	78184	47.141	ug/l	97
16) Acetone	4.430	43	63789	45.485	ug/l	99
17) Carbon Disulfide	4.712	76	81234	9.090	ug/l	99
18) Methyl Acetate	5.024	43	41546	9.413	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	102069	9.304	ug/l	95
20) Methylene Chloride	5.277	84	31218	9.183	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	28271	9.060	ug/l	99
22) Diisopropyl ether	6.671	45	106867	9.259	ug/l	97
23) Vinyl Acetate	6.600	43	386388	47.903	ug/l	100
24) 1,1-Dichloroethane	6.571	63	56906	9.345	ug/l	96
25) 2-Butanone	7.477	43	106429	46.500	ug/l	98
26) 2,2-Dichloropropane	7.488	77	51934	9.525	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	35180	9.084	ug/l	99
28) Bromochloromethane	7.806	49	22094	8.557	ug/l	98
29) Tetrahydrofuran	7.835	42	72642	47.462	ug/l	100
30) Chloroform	7.965	83	56896	9.511	ug/l	95
31) Cyclohexane	8.253	56	57797	9.699	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	48313	9.441	ug/l	93
36) 1,1-Dichloropropene	8.371	75	39999	9.202	ug/l	98
37) Ethyl Acetate	7.559	43	42951	9.385	ug/l	99
38) Carbon Tetrachloride	8.359	117	38345	9.263	ug/l	99
39) Methylcyclohexane	9.594	83	48076	9.305	ug/l	98
40) Benzene	8.606	78	130256	9.352	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086279.D
 Acq On : 15 Apr 2025 12:45
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26058	9.824	ug/l	98
42) 1,2-Dichloroethane	8.671	62	41980	9.452	ug/l	100
43) Isopropyl Acetate	8.682	43	90916	9.381	ug/l	95
44) Trichloroethene	9.347	130	31281	9.476	ug/l	94
45) 1,2-Dichloropropane	9.618	63	33270	9.759	ug/l	98
46) Dibromomethane	9.706	93	20677	9.519	ug/l	97
47) Bromodichloromethane	9.882	83	44773	9.543	ug/l	97
48) Methyl methacrylate	9.676	41	37900	9.430	ug/l	98
49) 1,4-Dioxane	9.688	88	13198	193.063	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	224548	47.916	ug/l	98
52) Toluene	10.623	92	81084	9.330	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	49510	9.454	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	54411	9.459	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	29512	9.439	ug/l	93
56) Ethyl methacrylate	10.871	69	54203	9.431	ug/l	98
57) 1,3-Dichloropropane	11.159	76	53151	9.581	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	113279	41.526	ug/l	99
59) 2-Hexanone	11.194	43	166643	47.941	ug/l	100
60) Dibromochloromethane	11.353	129	33195	9.668	ug/l	98
61) 1,2-Dibromoethane	11.465	107	29886	9.473	ug/l	99
64) Tetrachloroethene	11.100	164	29467	9.321	ug/l	99
65) Chlorobenzene	11.888	112	86997	9.485	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	28657	9.471	ug/l	97
67) Ethyl Benzene	11.959	91	153929	9.300	ug/l	99
68) m/p-Xylenes	12.065	106	115926	18.692	ug/l	99
69) o-Xylene	12.394	106	58314	9.508	ug/l	99
70) Styrene	12.406	104	95045	9.301	ug/l	100
71) Bromoform	12.576	173	21240	9.323	ug/l #	100
73) Isopropylbenzene	12.694	105	142461	9.757	ug/l	100
74) N-amyl acetate	12.488	43	67074	9.228	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	42167	10.045	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	41148m	9.813	ug/l	
77) Bromobenzene	12.976	156	32305	9.986	ug/l	99
78) n-propylbenzene	13.035	91	165250	9.605	ug/l	99
79) 2-Chlorotoluene	13.123	91	103789	9.641	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	113458	9.494	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	17595	10.033	ug/l	92
82) 4-Chlorotoluene	13.217	91	101784	9.518	ug/l	99
83) tert-Butylbenzene	13.435	119	99779	9.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	116448	9.573	ug/l	99
85) sec-Butylbenzene	13.612	105	139108	9.686	ug/l	99
86) p-Isopropyltoluene	13.729	119	113316	9.572	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	57753	9.497	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	57656	9.412	ug/l	98
89) n-Butylbenzene	14.053	91	98010	9.340	ug/l	99
90) Hexachloroethane	14.329	117	18922	9.503	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	55856	9.473	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8165	9.646	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	26050	9.227	ug/l	99
94) Hexachlorobutadiene	15.494	225	10205	9.575	ug/l	97
95) Naphthalene	15.635	128	92844	9.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	24879	9.308	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086279.D
 Acq On : 15 Apr 2025 12:45
 Operator : JC\MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025

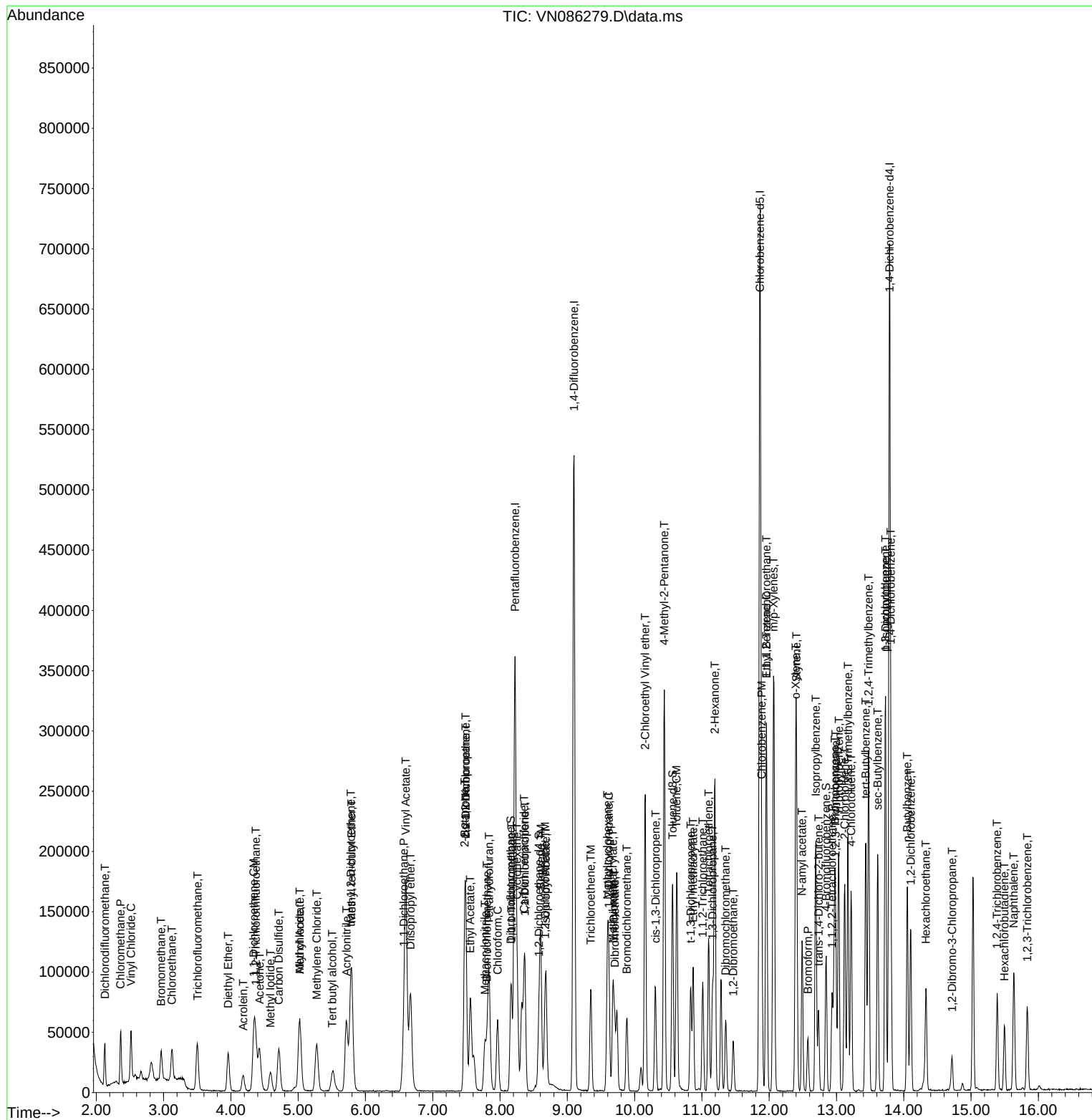
Quant Time: Apr 16 03:56:05 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Quant Title : SW846 8260

QLast Update : Wed Apr 16 03:42:50 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086280.D
 Acq On : 15 Apr 2025 13:09
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	217195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	404366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	61458	19.513	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.020%#		
35) Dibromofluoromethane	8.165	113	37195	19.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.640%#		
50) Toluene-d8	10.565	98	191691	19.112	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.220%#		
62) 4-Bromofluorobenzene	12.847	95	68030	18.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.200%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	54177	21.042	ug/l	99
3) Chloromethane	2.359	50	71193	19.026	ug/l	98
4) Vinyl Chloride	2.518	62	73472	20.576	ug/l	99
5) Bromomethane	2.959	94	34343	21.382	ug/l	98
6) Chloroethane	3.124	64	47157	19.732	ug/l	99
7) Trichlorofluoromethane	3.501	101	80568	20.369	ug/l	98
8) Diethyl Ether	3.959	74	36034	20.868	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	49252	20.584	ug/l	99
10) Methyl Iodide	4.589	142	55289	21.017	ug/l	99
11) Tert butyl alcohol	5.512	59	61718	107.400	ug/l	97
12) 1,1-Dichloroethene	4.348	96	51127	20.000	ug/l	98
13) Acrolein	4.183	56	28121	95.627	ug/l	99
14) Allyl chloride	5.024	41	89076	19.612	ug/l	99
15) Acrylonitrile	5.712	53	148850	104.781	ug/l	100
16) Acetone	4.424	43	122726	109.479	ug/l	98
17) Carbon Disulfide	4.712	76	149518	19.534	ug/l	100
18) Methyl Acetate	5.024	43	75070	19.857	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	191056	20.332	ug/l	97
20) Methylene Chloride	5.277	84	58230	19.999	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	53894	20.165	ug/l	99
22) Diisopropyl ether	6.671	45	196831	19.911	ug/l	98
23) Vinyl Acetate	6.600	43	713534m	103.278	ug/l	
24) 1,1-Dichloroethane	6.565	63	104777	20.087	ug/l	99
25) 2-Butanone	7.477	43	202298	103.191	ug/l	99
26) 2,2-Dichloropropane	7.489	77	94147	20.159	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	66347	20.001	ug/l	99
28) Bromochloromethane	7.812	49	40391	18.263	ug/l	100
29) Tetrahydrofuran	7.836	42	136348	104.008	ug/l	99
30) Chloroform	7.965	83	103881	20.274	ug/l	100
31) Cyclohexane	8.253	56	101546	19.895	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	89173	20.344	ug/l	97
36) 1,1-Dichloropropene	8.365	75	75426	20.122	ug/l	99
37) Ethyl Acetate	7.553	43	79383	20.115	ug/l	99
38) Carbon Tetrachloride	8.359	117	72704	20.367	ug/l	99
39) Methylcyclohexane	9.594	83	88728	19.915	ug/l	98
40) Benzene	8.600	78	243918	20.310	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086280.D
 Acq On : 15 Apr 2025 13:09
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Quant Title : SW846 8260

QLast Update : Wed Apr 16 03:42:50 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	45760	20.007	ug/l	100
42) 1,2-Dichloroethane	8.665	62	77932	20.348	ug/l	100
43) Isopropyl Acetate	8.683	43	157753	20.921	ug/l	99
44) Trichloroethene	9.353	130	56926	19.998	ug/l	99
45) 1,2-Dichloropropane	9.618	63	59599	20.273	ug/l	98
46) Dibromomethane	9.706	93	38601	20.608	ug/l	98
47) Bromodichloromethane	9.888	83	82517	20.397	ug/l	98
48) Methyl methacrylate	9.677	41	69986	20.195	ug/l	99
49) 1,4-Dioxane	9.694	88	24362	413.277	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	421471	104.297	ug/l	100
52) Toluene	10.630	92	152248	20.317	ug/l	99
53) t-1,3-Dichloropropene	10.830	75	92441	20.470	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	100415	20.245	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	53630	19.891	ug/l	97
56) Ethyl methacrylate	10.871	69	100712	20.321	ug/l	99
57) 1,3-Dichloropropane	11.159	76	97363	20.353	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	222766	94.702	ug/l	100
59) 2-Hexanone	11.194	43	309954	103.408	ug/l	100
60) Dibromochloromethane	11.359	129	60596	20.467	ug/l	100
61) 1,2-Dibromoethane	11.465	107	56679	20.834	ug/l	99
64) Tetrachloroethene	11.100	164	55481	20.282	ug/l	97
65) Chlorobenzene	11.888	112	158917	20.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	52389	20.010	ug/l	98
67) Ethyl Benzene	11.959	91	288483	20.144	ug/l	99
68) m/p-Xylenes	12.071	106	215301	40.122	ug/l	99
69) o-Xylene	12.394	106	107161	20.193	ug/l	99
70) Styrene	12.406	104	177099	20.029	ug/l	99
71) Bromoform	12.576	173	39697	20.138	ug/l #	98
73) Isopropylbenzene	12.694	105	264607	20.443	ug/l	99
74) N-amyl acetate	12.488	43	126575	19.643	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	76740	20.620	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	74829m	20.130	ug/l	
77) Bromobenzene	12.976	156	59889	20.882	ug/l	99
78) n-propylbenzene	13.029	91	307737	20.176	ug/l	100
79) 2-Chlorotoluene	13.124	91	193569	20.281	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	216364	20.423	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	31256m	20.104	ug/l	
82) 4-Chlorotoluene	13.218	91	192849	20.341	ug/l	99
83) tert-Butylbenzene	13.435	119	182683	19.901	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	217135	20.135	ug/l	100
85) sec-Butylbenzene	13.612	105	252593	19.838	ug/l	99
86) p-Isopropyltoluene	13.723	119	208256	19.844	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	107491	19.938	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	108412	19.964	ug/l	99
89) n-Butylbenzene	14.053	91	184852	19.871	ug/l	99
90) Hexachloroethane	14.329	117	35250	19.968	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	104185	19.932	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15863	21.139	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	50179	20.048	ug/l	99
94) Hexachlorobutadiene	15.494	225	19024	20.135	ug/l	99
95) Naphthalene	15.635	128	183816	20.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	47425	20.013	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

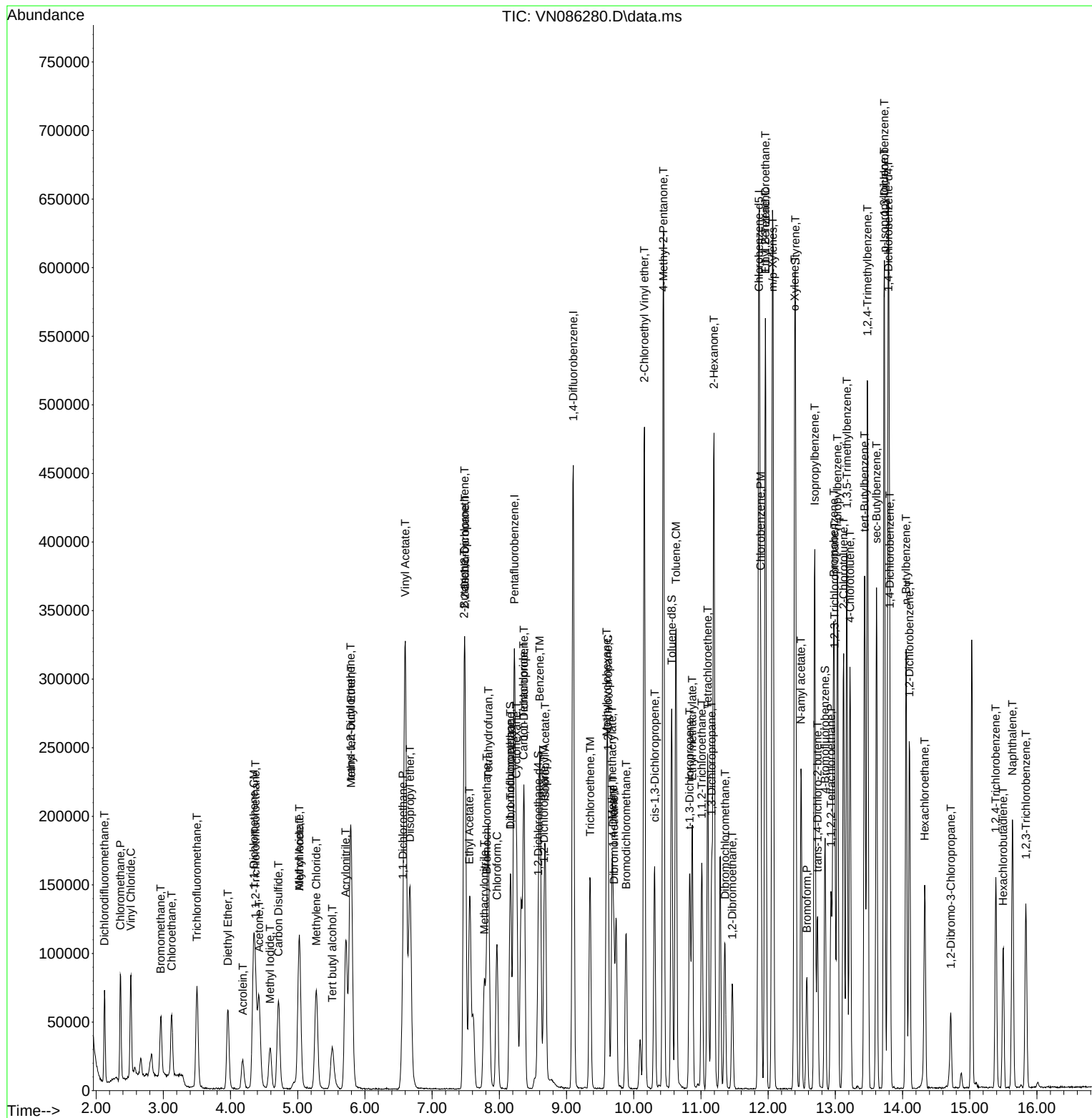
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086281.D
 Acq On : 15 Apr 2025 13:51
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	223468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	413969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	367304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160758	49.609	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.220%		
35) Dibromofluoromethane	8.165	113	88836	46.238	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.480%		
50) Toluene-d8	10.565	98	517785	50.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.860%		
62) 4-Bromofluorobenzene	12.847	95	190049	50.744	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	132017	49.836	ug/l	100
3) Chloromethane	2.359	50	168565	43.783	ug/l	100
4) Vinyl Chloride	2.518	62	176686	48.092	ug/l	100
5) Bromomethane	2.953	94	79546	48.135	ug/l	100
6) Chloroethane	3.118	64	111725	45.437	ug/l	100
7) Trichlorofluoromethane	3.501	101	192876	47.395	ug/l	100
8) Diethyl Ether	3.959	74	83664	47.092	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	117478	47.719	ug/l	100
10) Methyl Iodide	4.589	142	133779	49.427	ug/l	100
11) Tert butyl alcohol	5.512	59	138743	234.659	ug/l	100
12) 1,1-Dichloroethene	4.342	96	123106	46.805	ug/l	100
13) Acrolein	4.177	56	68075	246.717	ug/l	100
14) Allyl chloride	5.024	41	207525	44.409	ug/l	100
15) Acrylonitrile	5.712	53	354632	242.632	ug/l	100
16) Acetone	4.424	43	280935	250.761	ug/l	100
17) Carbon Disulfide	4.712	76	348133	44.205	ug/l	100
18) Methyl Acetate	5.018	43	174600	44.886	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	449127	46.453	ug/l	100
20) Methylene Chloride	5.271	84	138293	46.163	ug/l	100
21) trans-1,2-Dichloroethene	5.789	96	128404	46.696	ug/l	100
22) Diisopropyl ether	6.665	45	471385	46.345	ug/l	100
23) Vinyl Acetate	6.600	43	1657348	233.153	ug/l	100
24) 1,1-Dichloroethane	6.565	63	253896	47.310	ug/l	100
25) 2-Butanone	7.477	43	475281	235.633	ug/l	100
26) 2,2-Dichloropropane	7.483	77	219735	45.729	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	159460	46.722	ug/l	100
28) Bromochloromethane	7.806	49	110726	48.660	ug/l	100
29) Tetrahydrofuran	7.836	42	313920	232.739	ug/l	100
30) Chloroform	7.965	83	246843	46.823	ug/l	100
31) Cyclohexane	8.253	56	238117	45.343	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	212021	47.013	ug/l	100
36) 1,1-Dichloropropene	8.365	75	183246	47.752	ug/l	100
37) Ethyl Acetate	7.553	43	184834	45.750	ug/l	100
38) Carbon Tetrachloride	8.359	117	175094	47.912	ug/l	100
39) Methylcyclohexane	9.594	83	216725	47.515	ug/l	100
40) Benzene	8.600	78	583316	47.443	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086281.D
 Acq On : 15 Apr 2025 13:51
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	109214	46.643	ug/l	100
42) 1,2-Dichloroethane	8.665	62	183854	46.892	ug/l	100
43) Isopropyl Acetate	8.683	43	358327	49.550	ug/l	100
44) Trichloroethene	9.347	130	139993	48.039	ug/l	100
45) 1,2-Dichloropropane	9.618	63	144496	48.011	ug/l	100
46) Dibromomethane	9.706	93	93965	49.002	ug/l	100
47) Bromodichloromethane	9.882	83	196793	47.516	ug/l	100
48) Methyl methacrylate	9.677	41	163719	46.146	ug/l	100
49) 1,4-Dioxane	9.694	88	53851	892.337	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	1000994	241.959	ug/l	100
52) Toluene	10.629	92	369349	48.144	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	226518	48.996	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	238764	47.021	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	131721	47.721	ug/l	100
56) Ethyl methacrylate	10.871	69	239654	47.235	ug/l	100
57) 1,3-Dichloropropane	11.159	76	233548	47.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	594475	246.859	ug/l	100
59) 2-Hexanone	11.194	43	734660	239.414	ug/l	100
60) Dibromochloromethane	11.359	129	146318	48.274	ug/l	100
61) 1,2-Dibromoethane	11.465	107	134281	48.213	ug/l	100
64) Tetrachloroethene	11.100	164	136116	48.177	ug/l	100
65) Chlorobenzene	11.888	112	385849	47.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	127627	47.197	ug/l	100
67) Ethyl Benzene	11.959	91	704474	47.627	ug/l	100
68) m/p-Xylenes	12.065	106	533742	96.302	ug/l	100
69) o-Xylene	12.394	106	261904	47.783	ug/l	100
70) Styrene	12.406	104	447486	48.998	ug/l	100
71) Bromoform	12.576	173	95822	47.065	ug/l #	100
73) Isopropylbenzene	12.694	105	647490	45.568	ug/l	100
74) N-amyl acetate	12.488	43	308916	43.670	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	179865	44.025	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	181010m	44.357	ug/l	
77) Bromobenzene	12.976	156	147720	46.919	ug/l	100
78) n-propylbenzene	13.035	91	779530	46.556	ug/l	100
79) 2-Chlorotoluene	13.123	91	479235	45.740	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	535465	46.042	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	80078m	46.919	ug/l	
82) 4-Chlorotoluene	13.218	91	488049	46.893	ug/l	100
83) tert-Butylbenzene	13.435	119	452999	44.954	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	550727	46.521	ug/l	100
85) sec-Butylbenzene	13.612	105	653679	46.767	ug/l	100
86) p-Isopropyltoluene	13.723	119	548528	47.611	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	279645	47.249	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	280378	47.032	ug/l	100
89) n-Butylbenzene	14.053	91	492941	48.271	ug/l	100
90) Hexachloroethane	14.329	117	90009	46.447	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	270731	47.181	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	38625	46.887	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	132919	48.375	ug/l	100
94) Hexachlorobutadiene	15.500	225	48694	46.947	ug/l	100
95) Naphthalene	15.635	128	464685	47.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	122910	47.249	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086281.D
 Acq On : 15 Apr 2025 13:51
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_N

Client Sample Id :

VSTDICCC050

Manual Integrations

APPROVED

Reviewed By : John Carlone 04/16/2025

Supervised By : Semsettin Yesilyurt 04/16/2025

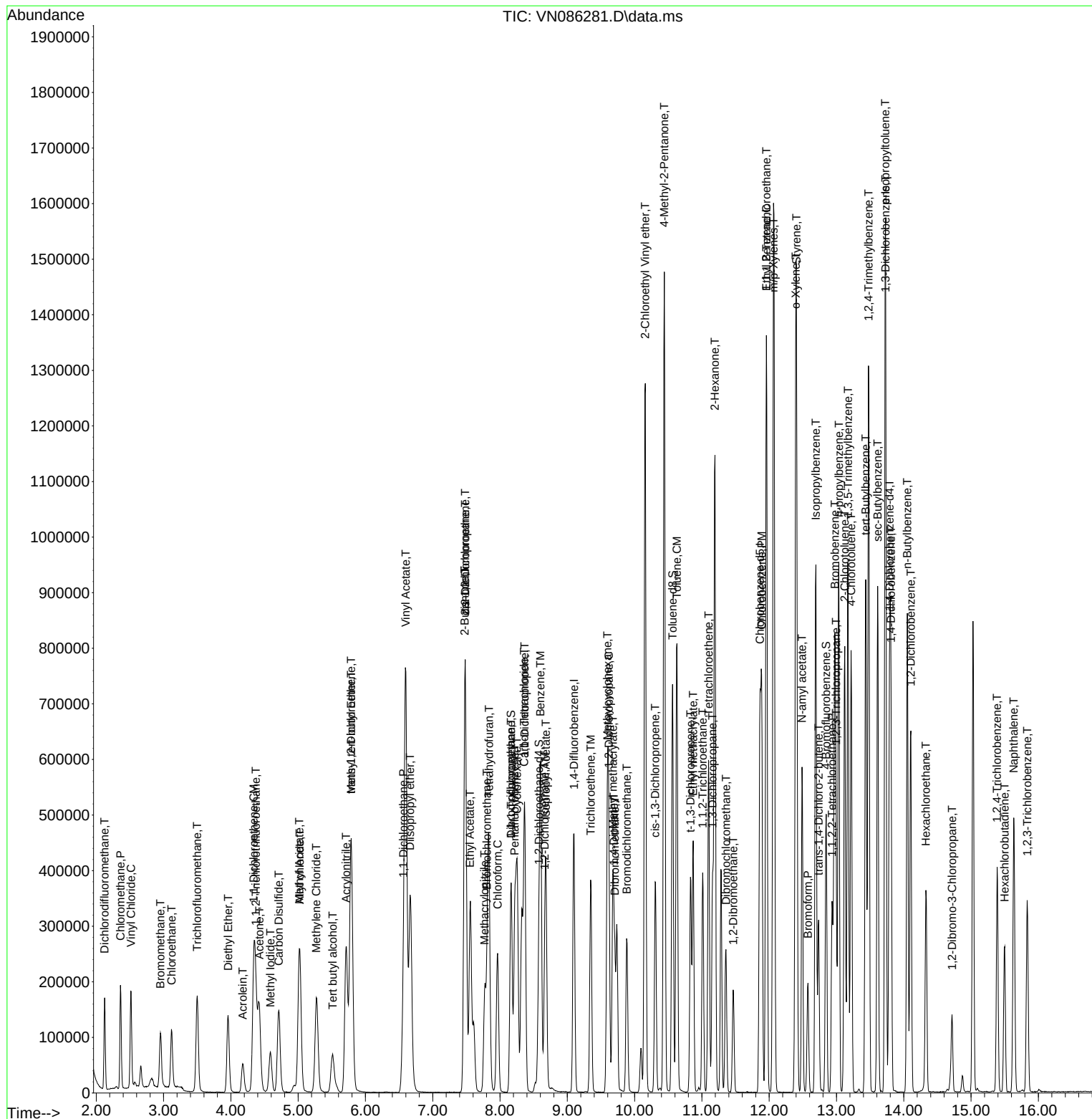
Quant Time: Apr 16 03:57:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Quant Title : SW846 8260

QLast Update : Wed Apr 16 03:42:50 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086282.D
 Acq On : 15 Apr 2025 14:29
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	228089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	422902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	322920	97.633	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 195.260%#			
35) Dibromofluoromethane	8.165	113	163696	83.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 166.800%#			
50) Toluene-d8	10.565	98	1046538	99.767	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 199.540%#			
62) 4-Bromofluorobenzene	12.847	95	394671	103.153	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.300%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	270450	100.025	ug/l	100
3) Chloromethane	2.359	50	362586	92.270	ug/l	99
4) Vinyl Chloride	2.512	62	359654	95.910	ug/l	99
5) Bromomethane	2.930	94	157044	93.105	ug/l	99
6) Chloroethane	3.106	64	232218	92.528	ug/l	98
7) Trichlorofluoromethane	3.494	101	398967	96.050	ug/l	97
8) Diethyl Ether	3.959	74	172130	94.924	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	242697	96.585	ug/l	99
10) Methyl Iodide	4.583	142	287740	104.156	ug/l	99
11) Tert butyl alcohol	5.518	59	262412	434.831	ug/l	99
12) 1,1-Dichloroethene	4.336	96	254035	94.627	ug/l	97
13) Acrolein	4.171	56	137131	502.553	ug/l	97
14) Allyl chloride	5.018	41	435112	91.225	ug/l	98
15) Acrylonitrile	5.712	53	713644	478.368	ug/l	99
16) Acetone	4.424	43	563323	498.290	ug/l	99
17) Carbon Disulfide	4.712	76	685619	85.294	ug/l	99
18) Methyl Acetate	5.018	43	374831	94.410	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	918634	93.089	ug/l	99
20) Methylene Chloride	5.271	84	286733	93.774	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	264504	94.241	ug/l	100
22) Diisopropyl ether	6.665	45	970652	93.497	ug/l	99
23) Vinyl Acetate	6.600	43	3184505	438.915	ug/l	99
24) 1,1-Dichloroethane	6.565	63	525385	95.914	ug/l	100
25) 2-Butanone	7.477	43	958217	465.437	ug/l	99
26) 2,2-Dichloropropane	7.488	77	470852	96.005	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	328329	94.252	ug/l	100
28) Bromochloromethane	7.812	49	230762	99.357	ug/l	99
29) Tetrahydrofuran	7.835	42	623822	453.130	ug/l	100
30) Chloroform	7.959	83	503712	93.611	ug/l	100
31) Cyclohexane	8.253	56	484648	90.418	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	432964	94.058	ug/l	97
36) 1,1-Dichloropropene	8.365	75	378663	96.591	ug/l	100
37) Ethyl Acetate	7.553	43	371298	89.962	ug/l	100
38) Carbon Tetrachloride	8.359	117	360081	96.450	ug/l	99
39) Methylcyclohexane	9.600	83	448842	96.325	ug/l	98
40) Benzene	8.600	78	1193479	95.020	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086282.D
 Acq On : 15 Apr 2025 14:29
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	219337	91.695	ug/l	100
42) 1,2-Dichloroethane	8.665	62	377081	94.143	ug/l	99
43) Isopropyl Acetate	8.682	43	704184	100.085	ug/l	100
44) Trichloroethene	9.347	130	288832	97.020	ug/l	98
45) 1,2-Dichloropropane	9.618	63	293625	95.501	ug/l	99
46) Dibromomethane	9.706	93	191324	97.667	ug/l	100
47) Bromodichloromethane	9.882	83	403514	95.372	ug/l	97
48) Methyl methacrylate	9.676	41	326384	90.052	ug/l	98
49) 1,4-Dioxane	9.688	88	98711	1601.137	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	1989761	470.803	ug/l	99
52) Toluene	10.629	92	757019	96.592	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	468739	99.248	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	496721	95.755	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	264481	93.795	ug/l	97
56) Ethyl methacrylate	10.870	69	494791	95.461	ug/l	100
57) 1,3-Dichloropropane	11.159	76	482562	96.455	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	1242387	505.011	ug/l	99
59) 2-Hexanone	11.194	43	1476474	470.996	ug/l	100
60) Dibromochloromethane	11.359	129	301498	97.371	ug/l	100
61) 1,2-Dibromoethane	11.465	107	273587	96.156	ug/l	100
64) Tetrachloroethene	11.100	164	281669	96.294	ug/l	97
65) Chlorobenzene	11.888	112	805194	94.881	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	264532	94.488	ug/l	100
67) Ethyl Benzene	11.959	91	1476238	96.398	ug/l	100
68) m/p-Xylenes	12.070	106	1117098	194.681	ug/l	98
69) o-Xylene	12.394	106	546019	96.221	ug/l	99
70) Styrene	12.406	104	947293	100.188	ug/l	100
71) Bromoform	12.576	173	201110	95.410	ug/l #	99
73) Isopropylbenzene	12.694	105	1351009	90.597	ug/l	100
74) N-amyl acetate	12.488	43	641647	86.431	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	359278	83.793	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	379247m	88.555	ug/l	
77) Bromobenzene	12.976	156	303696	91.913	ug/l	98
78) n-propylbenzene	13.035	91	1640989	93.386	ug/l	99
79) 2-Chlorotoluene	13.123	91	1000943	91.031	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1125981	92.254	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	175887m	98.197	ug/l	
82) 4-Chlorotoluene	13.217	91	1025113	93.852	ug/l	99
83) tert-Butylbenzene	13.435	119	975268	92.219	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1150791	92.628	ug/l	100
85) sec-Butylbenzene	13.611	105	1359583	92.684	ug/l	99
86) p-Isopropyltoluene	13.723	119	1161224	96.040	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	586366	94.402	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	582329	93.077	ug/l	100
89) n-Butylbenzene	14.053	91	1061099	99.009	ug/l	99
90) Hexachloroethane	14.329	117	196292	96.516	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	547527	90.920	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	77795	89.984	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	281040	97.461	ug/l	100
94) Hexachlorobutadiene	15.500	225	101506	93.251	ug/l	99
95) Naphthalene	15.635	128	975079	95.390	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	258567	94.712	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDIC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_N

Client Sample Id :

VSTDIC100

Manual Integrations

APPROVED

Reviewed By : John Carlone 04/16/2025

Supervised By : Semsettin Yesilyurt 04/16/2025

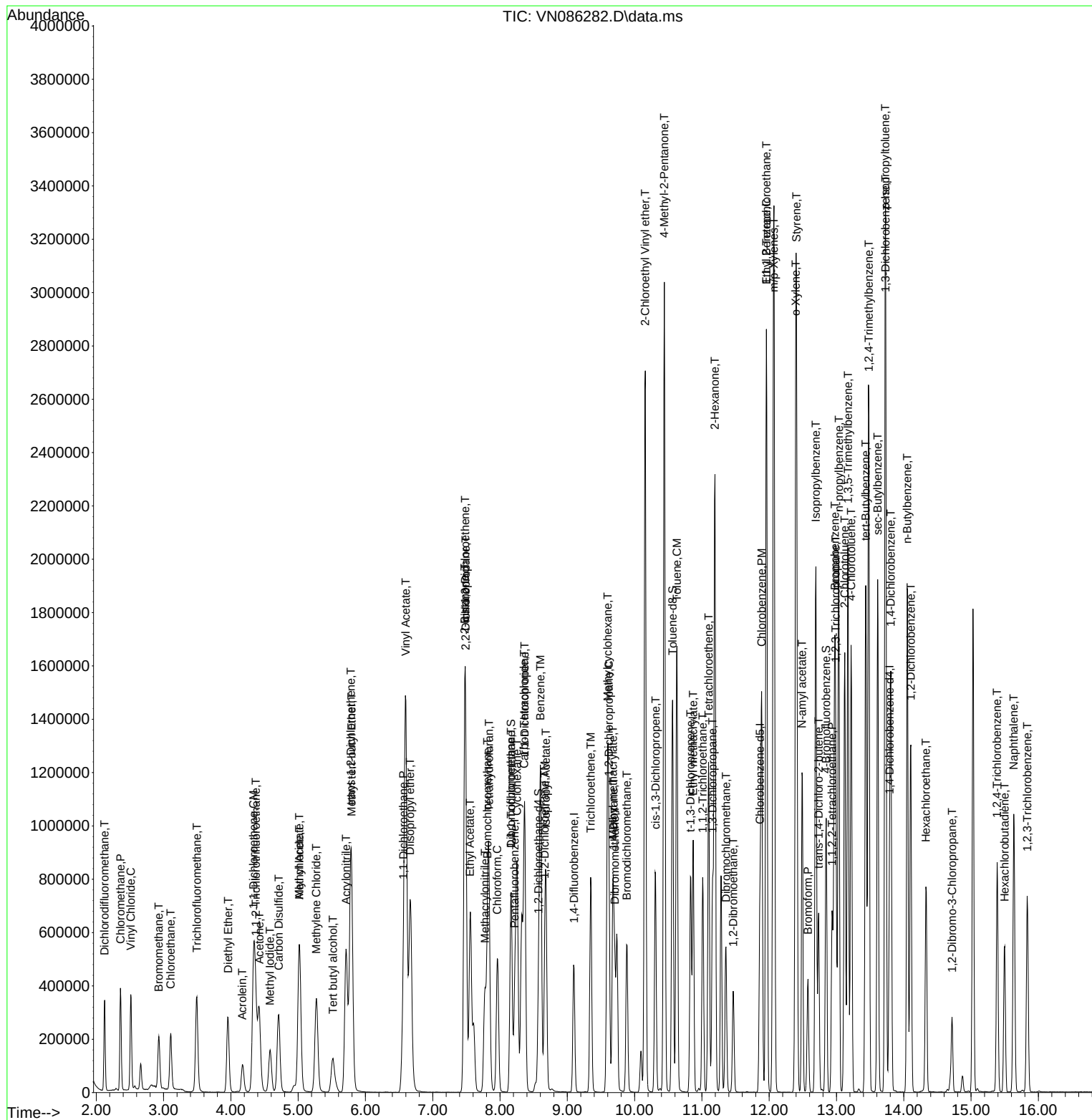
Quant Time: Apr 16 03:58:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Quant Title : SW846 8260

QLast Update : Wed Apr 16 03:42:50 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	232806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	435528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	384601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	169181	50.114	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.220%			
35) Dibromofluoromethane	8.165	113	96752	47.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	10.565	98	542858	50.251	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.847	95	196820	49.950	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	138594	50.220	ug/l	100
3) Chloromethane	2.359	50	185786	46.321	ug/l	99
4) Vinyl Chloride	2.518	62	183873	48.040	ug/l	98
5) Bromomethane	2.953	94	88943	51.662	ug/l	98
6) Chloroethane	3.118	64	119261	46.557	ug/l	99
7) Trichlorofluoromethane	3.500	101	203630	48.030	ug/l	96
8) Diethyl Ether	3.959	74	88034	47.564	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	124024	48.357	ug/l	99
10) Methyl Iodide	4.589	142	148899	52.806	ug/l	98
11) Tert butyl alcohol	5.512	59	143880	233.586	ug/l	99
12) 1,1-Dichloroethene	4.336	96	129546	47.278	ug/l	98
13) Acrolein	4.177	56	72276	251.743	ug/l	99
14) Allyl chloride	5.024	41	220559	45.280	ug/l	99
15) Acrylonitrile	5.712	53	372009	244.312	ug/l	99
16) Acetone	4.424	43	297097	254.646	ug/l	100
17) Carbon Disulfide	4.712	76	360863	43.983	ug/l	99
18) Methyl Acetate	5.018	43	184731	45.586	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	474584	47.117	ug/l	99
20) Methylene Chloride	5.271	84	145872	46.740	ug/l	100
21) trans-1,2-Dichloroethene	5.788	96	134526	46.960	ug/l	99
22) Diisopropyl ether	6.665	45	491946	46.426	ug/l	98
23) Vinyl Acetate	6.600	43	1738360	234.680	ug/l	100
24) 1,1-Dichloroethane	6.565	63	264324	47.277	ug/l	99
25) 2-Butanone	7.477	43	501652	238.732	ug/l	98
26) 2,2-Dichloropropane	7.488	77	233882	46.721	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	167485	47.105	ug/l	98
28) Bromochloromethane	7.812	49	113893	48.044	ug/l	100
29) Tetrahydrofuran	7.835	42	326414	232.296	ug/l	100
30) Chloroform	7.959	83	258393	47.047	ug/l	99
31) Cyclohexane	8.253	56	247077	45.162	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	222630	47.385	ug/l	97
36) 1,1-Dichloropropene	8.371	75	191295	47.382	ug/l	100
37) Ethyl Acetate	7.553	43	195455	45.984	ug/l	100
38) Carbon Tetrachloride	8.359	117	182531	47.475	ug/l	98
39) Methylcyclohexane	9.594	83	220275	45.902	ug/l	97
40) Benzene	8.600	78	610128	47.168	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	113052	45.892	ug/l	98
42) 1,2-Dichloroethane	8.665	62	195922	47.496	ug/l	100
43) Isopropyl Acetate	8.682	43	370579	48.649	ug/l	100
44) Trichloroethene	9.347	130	145334	47.403	ug/l	99
45) 1,2-Dichloropropane	9.618	63	149775	47.302	ug/l	98
46) Dibromomethane	9.706	93	98395	48.772	ug/l	100
47) Bromodichloromethane	9.882	83	207763	47.682	ug/l	99
48) Methyl methacrylate	9.676	41	170007	45.546	ug/l	98
49) 1,4-Dioxane	9.688	88	59040	929.893	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	1036849	238.220	ug/l	99
52) Toluene	10.629	92	383010	47.453	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	235221	48.360	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	250676	46.923	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	136227	46.911	ug/l	97
56) Ethyl methacrylate	10.871	69	253092	47.414	ug/l	99
57) 1,3-Dichloropropane	11.159	76	246129	47.770	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	612932	241.924	ug/l	99
59) 2-Hexanone	11.188	43	759846	235.364	ug/l	99
60) Dibromochloromethane	11.353	129	152321	47.767	ug/l	99
61) 1,2-Dibromoethane	11.465	107	139994	47.777	ug/l	100
64) Tetrachloroethene	11.100	164	140342	47.439	ug/l	99
65) Chlorobenzene	11.888	112	401122	46.735	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	133755	47.238	ug/l	99
67) Ethyl Benzene	11.959	91	730984	47.196	ug/l	100
68) m/p-Xylenes	12.070	106	551289	94.994	ug/l	100
69) o-Xylene	12.394	106	269992	47.043	ug/l	100
70) Styrene	12.406	104	460331	48.138	ug/l	100
71) Bromoform	12.576	173	101548	47.634	ug/l #	98
73) Isopropylbenzene	12.694	105	667602	46.930	ug/l	100
74) N-amyl acetate	12.488	43	320394	45.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	186111	45.501	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	187464m	45.680	ug/l	
77) Bromobenzene	12.976	156	150856	47.860	ug/l	98
78) n-propylbenzene	13.029	91	794892	47.420	ug/l	99
79) 2-Chlorotoluene	13.123	91	493124	47.012	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	550039	47.241	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	84822m	49.639	ug/l	
82) 4-Chlorotoluene	13.217	91	495478	47.552	ug/l	99
83) tert-Butylbenzene	13.435	119	461626	45.757	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	561084	47.342	ug/l	100
85) sec-Butylbenzene	13.612	105	650246	46.468	ug/l	99
86) p-Isopropyltoluene	13.729	119	546663	47.395	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	278387	46.983	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	282403	47.319	ug/l	99
89) n-Butylbenzene	14.053	91	482335	47.178	ug/l	100
90) Hexachloroethane	14.329	117	92416	47.634	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	273135	47.545	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39601	48.017	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	131639	47.854	ug/l	100
94) Hexachlorobutadiene	15.500	225	48079	46.301	ug/l	100
95) Naphthalene	15.635	128	472042	48.408	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	123220	47.314	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

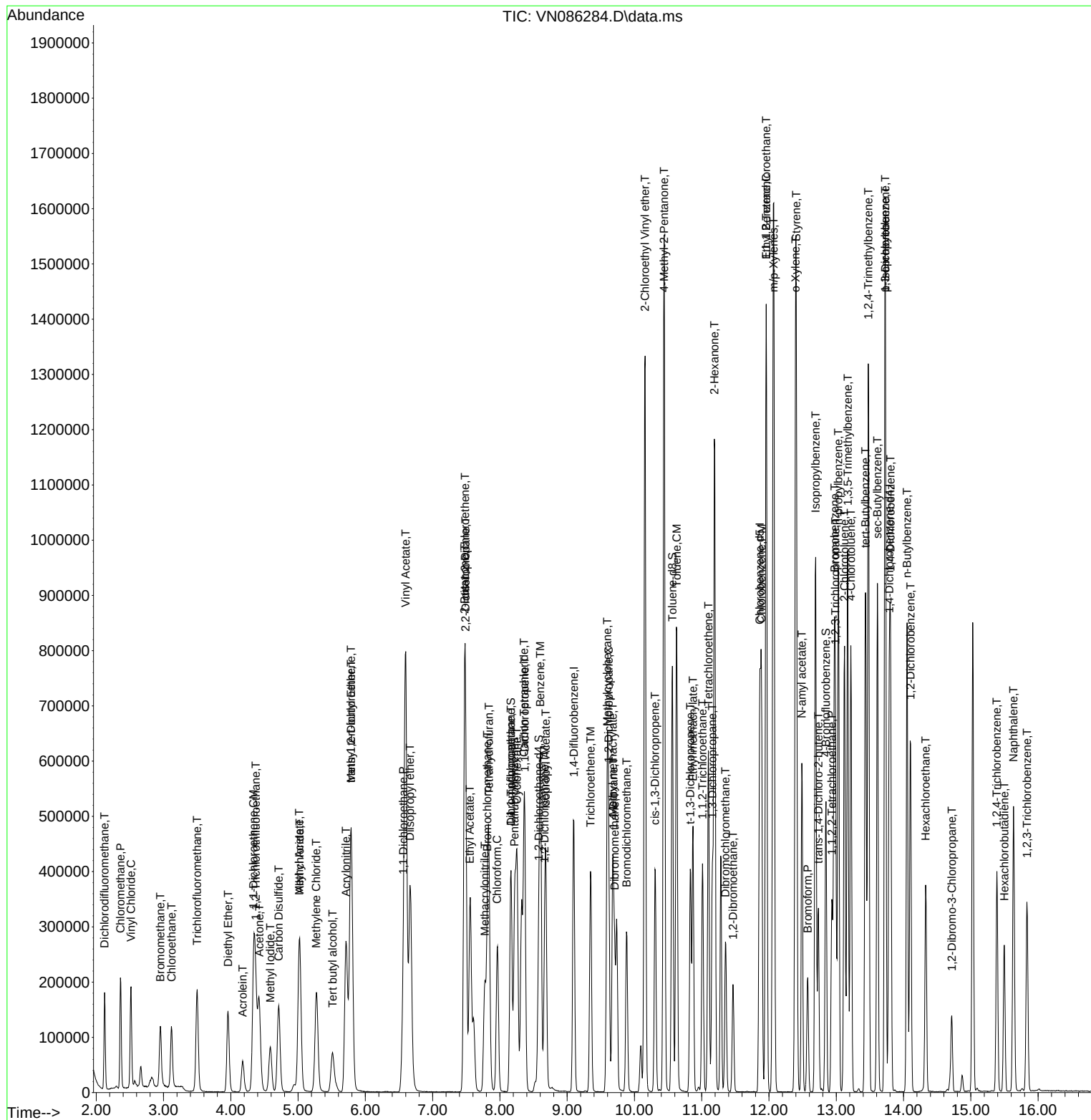
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	104	0.00
2 T	Dichlorodifluoromethane	0.593	0.595	-0.3	105	0.00
3 P	Chloromethane	0.861	0.798	7.3	110	0.00
4 C	Vinyl Chloride	0.822	0.790	3.9#	104	0.00
5 T	Bromomethane	0.370	0.382	-3.2	112	0.00
6 T	Chloroethane	0.550	0.512	6.9	107	0.00
7 T	Trichlorofluoromethane	0.911	0.875	4.0	106	0.00
8 T	Diethyl Ether	0.398	0.378	5.0	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.533	3.3	106	0.00
10 T	Methyl Iodide	0.606	0.640	-5.6	111	0.00
11 T	Tert butyl alcohol	0.132	0.124	6.1	104	0.00
12 CM	1,1-Dichloroethene	0.588	0.556	5.4#	105	0.00
13 T	Acrolein	0.075	0.062	17.3	106	0.00
14 T	Allyl chloride	1.046	0.947	9.5	106	0.00
15 T	Acrylonitrile	0.327	0.320	2.1	105	0.00
16 T	Acetone	0.290	0.255	12.1	106	0.00
17 T	Carbon Disulfide	1.762	1.550	12.0	104	0.00
18 T	Methyl Acetate	0.870	0.793	8.9	106	0.00
19 T	Methyl tert-butyl Ether	2.163	2.039	5.7	106	0.00
20 T	Methylene Chloride	0.670	0.627	6.4	105	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.578	6.0	105	0.00
22 T	Diisopropyl ether	2.276	2.113	7.2	104	0.00
23 T	Vinyl Acetate	1.591	1.493	6.2	105	0.00
24 P	1,1-Dichloroethane	1.201	1.135	5.5	104	0.00
25 T	2-Butanone	0.451	0.431	4.4	106	0.00
26 T	2,2-Dichloropropane	1.075	1.005	6.5	106	0.00
27 T	cis-1,2-Dichloroethene	0.764	0.719	5.9	105	0.00
28 T	Bromochloromethane	0.509	0.489	3.9	103	0.00
29 T	Tetrahydrofuran	0.302	0.280	7.3	104	0.00
30 C	Chloroform	1.180	1.110	5.9#	105	0.00
31 T	Cyclohexane	1.175	1.061	9.7	104	0.00
32 T	1,1,1-Trichloroethane	1.009	0.956	5.3	105	0.00
33 S	1,2-Dichloroethane-d4	0.725	0.727	-0.3	105	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.232	0.222	4.3	109	0.00
36 T	1,1-Dichloropropene	0.463	0.439	5.2	104	0.00
37 T	Ethyl Acetate	0.488	0.449	8.0	106	0.00
38 T	Carbon Tetrachloride	0.441	0.419	5.0	104	0.00
39 T	Methylcyclohexane	0.551	0.506	8.2	102	0.00
40 TM	Benzene	1.485	1.401	5.7	105	0.00
41 T	Methacrylonitrile	0.283	0.260	8.1	104	0.00
42 TM	1,2-Dichloroethane	0.474	0.450	5.1	107	0.00
43 T	Isopropyl Acetate	1.177	0.851	27.7#	103	0.00
44 TM	Trichloroethene	0.352	0.334	5.1	104	0.00
45 C	1,2-Dichloropropane	0.364	0.344	5.5#	104	0.00
46 T	Dibromomethane	0.232	0.226	2.6	105	0.00
47 T	Bromodichloromethane	0.500	0.477	4.6	106	0.00
48 T	Methyl methacrylate	0.429	0.390	9.1	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	0.007	0.007	0.0	110	0.00
50 S	Toluene-d8	1.240	1.246	-0.5	105	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.476	4.8	104	0.00
52 CM	Toluene	0.927	0.879	5.2#	104	0.00
53 T	t-1,3-Dichloropropene	0.558	0.540	3.2	104	0.00
54 T	cis-1,3-Dichloropropene	0.613	0.576	6.0	105	0.00
55 T	1,1,2-Trichloroethane	0.333	0.313	6.0	103	0.00
56 T	Ethyl methacrylate	0.613	0.581	5.2	106	0.00
57 T	1,3-Dichloropropane	0.592	0.565	4.6	105	0.00
58 T	2-Chloroethyl Vinyl ether	0.291	0.281	3.4	103	0.00
59 T	2-Hexanone	0.371	0.349	5.9	103	0.00
60 T	Dibromochloromethane	0.366	0.350	4.4	104	0.00
61 T	1,2-Dibromoethane	0.336	0.321	4.5	104	0.00
62 S	4-Bromofluorobenzene	0.452	0.452	0.0	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.385	0.365	5.2	103	0.00
65 PM	Chlorobenzene	1.116	1.043	6.5	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.368	0.348	5.4	105	0.00
67 C	Ethyl Benzene	2.014	1.901	5.6#	104	0.00
68 T	m/p-Xylenes	0.754	0.717	4.9	103	0.00
69 T	o-Xylene	0.746	0.702	5.9	103	0.00
70 T	Styrene	1.243	1.197	3.7	103	0.00
71 P	Bromoform	0.277	0.264	4.7	106	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	4.090	3.839	6.1	103	0.00
74 T	N-amyl acetate	2.036	1.842	9.5	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.176	1.070	9.0	103	0.00
76 T	1,2,3-Trichloropropane	1.180	1.078	8.6	104	0.00
77 T	Bromobenzene	0.906	0.867	4.3	102	0.00
78 T	n-propylbenzene	4.820	4.571	5.2	102	0.00
79 T	2-Chlorotoluene	3.016	2.836	6.0	103	0.00
80 T	1,3,5-Trimethylbenzene	3.348	3.163	5.5	103	0.00
81 T	trans-1,4-Dichloro-2-butene	0.491	0.488	0.6	106	0.00
82 T	4-Chlorotoluene	2.996	2.849	4.9	102	0.00
83 T	tert-Butylbenzene	2.901	2.655	8.5	102	0.00
84 T	1,2,4-Trimethylbenzene	3.408	3.226	5.3	102	0.00
85 T	sec-Butylbenzene	4.023	3.739	7.1	99	0.00
86 T	p-Isopropyltoluene	3.316	3.144	5.2	100	0.00
87 T	1,3-Dichlorobenzene	1.704	1.601	6.0	100	0.00
88 T	1,4-Dichlorobenzene	1.716	1.624	5.4	101	0.00
89 T	n-Butylbenzene	2.939	2.774	5.6	98	0.00
90 T	Hexachloroethane	0.558	0.531	4.8	103	0.00
91 T	1,2-Dichlorobenzene	1.652	1.571	4.9	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.228	3.8	103	0.00
93 T	1,2,4-Trichlorobenzene	0.791	0.757	4.3	99	0.00
94 T	Hexachlorobutadiene	0.299	0.276	7.7	99	0.00
95 T	Naphthalene	2.804	2.714	3.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	0.749	0.709	5.3	100	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	104	0.00
2 T	Dichlorodifluoromethane	50.000	50.220	-0.4	105	0.00
3 P	Chloromethane	50.000	46.321	7.4	110	0.00
4 C	Vinyl Chloride	50.000	48.040	3.9#	104	0.00
5 T	Bromomethane	50.000	51.662	-3.3	112	0.00
6 T	Chloroethane	50.000	46.557	6.9	107	0.00
7 T	Trichlorofluoromethane	50.000	48.030	3.9	106	0.00
8 T	Diethyl Ether	50.000	47.564	4.9	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.357	3.3	106	0.00
10 T	Methyl Iodide	50.000	52.806	-5.6	111	0.00
11 T	Tert butyl alcohol	250.000	233.586	6.6	104	0.00
12 CM	1,1-Dichloroethene	50.000	47.278	5.4#	105	0.00
13 T	Acrolein	250.000	251.743	-0.7	106	0.00
14 T	Allyl chloride	50.000	45.280	9.4	106	0.00
15 T	Acrylonitrile	250.000	244.312	2.3	105	0.00
16 T	Acetone	250.000	254.646	-1.9	106	0.00
17 T	Carbon Disulfide	50.000	43.983	12.0	104	0.00
18 T	Methyl Acetate	50.000	45.586	8.8	106	0.00
19 T	Methyl tert-butyl Ether	50.000	47.117	5.8	106	0.00
20 T	Methylene Chloride	50.000	46.740	6.5	105	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.960	6.1	105	0.00
22 T	Diisopropyl ether	50.000	46.426	7.1	104	0.00
23 T	Vinyl Acetate	250.000	234.680	6.1	105	0.00
24 P	1,1-Dichloroethane	50.000	47.277	5.4	104	0.00
25 T	2-Butanone	250.000	238.732	4.5	106	0.00
26 T	2,2-Dichloropropane	50.000	46.721	6.6	106	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.105	5.8	105	0.00
28 T	Bromochloromethane	50.000	48.044	3.9	103	0.00
29 T	Tetrahydrofuran	250.000	232.296	7.1	104	0.00
30 C	Chloroform	50.000	47.047	5.9#	105	0.00
31 T	Cyclohexane	50.000	45.162	9.7	104	0.00
32 T	1,1,1-Trichloroethane	50.000	47.385	5.2	105	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.114	-0.2	105	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	47.865	4.3	109	0.00
36 T	1,1-Dichloropropene	50.000	47.382	5.2	104	0.00
37 T	Ethyl Acetate	50.000	45.984	8.0	106	0.00
38 T	Carbon Tetrachloride	50.000	47.475	5.0	104	0.00
39 T	Methylcyclohexane	50.000	45.902	8.2	102	0.00
40 TM	Benzene	50.000	47.168	5.7	105	0.00
41 T	Methacrylonitrile	50.000	45.892	8.2	104	0.00
42 TM	1,2-Dichloroethane	50.000	47.496	5.0	107	0.00
43 T	Isopropyl Acetate	50.000	48.649	2.7	103	0.00
44 TM	Trichloroethene	50.000	47.403	5.2	104	0.00
45 C	1,2-Dichloropropane	50.000	47.302	5.4#	104	0.00
46 T	Dibromomethane	50.000	48.772	2.5	105	0.00
47 T	Bromodichloromethane	50.000	47.682	4.6	106	0.00
48 T	Methyl methacrylate	50.000	45.546	8.9	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	929.893	7.0	110	0.00
50 S	Toluene-d8	50.000	50.251	-0.5	105	0.00
51 T	4-Methyl-2-Pentanone	250.000	238.220	4.7	104	0.00
52 CM	Toluene	50.000	47.453	5.1#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	48.360	3.3	104	0.00
54 T	cis-1,3-Dichloropropene	50.000	46.923	6.2	105	0.00
55 T	1,1,2-Trichloroethane	50.000	46.911	6.2	103	0.00
56 T	Ethyl methacrylate	50.000	47.414	5.2	106	0.00
57 T	1,3-Dichloropropane	50.000	47.770	4.5	105	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	241.924	3.2	103	0.00
59 T	2-Hexanone	250.000	235.364	5.9	103	0.00
60 T	Dibromochloromethane	50.000	47.767	4.5	104	0.00
61 T	1,2-Dibromoethane	50.000	47.777	4.4	104	0.00
62 S	4-Bromofluorobenzene	50.000	49.950	0.1	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	47.439	5.1	103	0.00
65 PM	Chlorobenzene	50.000	46.735	6.5	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	47.238	5.5	105	0.00
67 C	Ethyl Benzene	50.000	47.196	5.6#	104	0.00
68 T	m/p-Xylenes	100.000	94.994	5.0	103	0.00
69 T	o-Xylene	50.000	47.043	5.9	103	0.00
70 T	Styrene	50.000	48.138	3.7	103	0.00
71 P	Bromoform	50.000	47.634	4.7	106	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	46.930	6.1	103	0.00
74 T	N-ethyl acetate	50.000	45.241	9.5	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.501	9.0	103	0.00
76 T	1,2,3-Trichloropropane	50.000	45.680	8.6	104	0.00
77 T	Bromobenzene	50.000	47.860	4.3	102	0.00
78 T	n-propylbenzene	50.000	47.420	5.2	102	0.00
79 T	2-Chlorotoluene	50.000	47.012	6.0	103	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.241	5.5	103	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.639	0.7	106	0.00
82 T	4-Chlorotoluene	50.000	47.552	4.9	102	0.00
83 T	tert-Butylbenzene	50.000	45.757	8.5	102	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.342	5.3	102	0.00
85 T	sec-Butylbenzene	50.000	46.468	7.1	99	0.00
86 T	p-Isopropyltoluene	50.000	47.395	5.2	100	0.00
87 T	1,3-Dichlorobenzene	50.000	46.983	6.0	100	0.00
88 T	1,4-Dichlorobenzene	50.000	47.319	5.4	101	0.00
89 T	n-Butylbenzene	50.000	47.178	5.6	98	0.00
90 T	Hexachloroethane	50.000	47.634	4.7	103	0.00
91 T	1,2-Dichlorobenzene	50.000	47.545	4.9	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.017	4.0	103	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.854	4.3	99	0.00
94 T	Hexachlorobutadiene	50.000	46.301	7.4	99	0.00
95 T	Naphthalene	50.000	48.408	3.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICV VN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	47.314	5.4	100	0.00

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939
 Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY021953.D	RRF010 = VY021954.D	RRF020 = VY021955.D	RRF050 = VY021956.D	RRF100 = VY021957.D	RRF150 = VY021958.D		
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.7
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Trichlorofluoromethane	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.9
1,1,2-Trichlorotrifluoroethane	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.8
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.2
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.6
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Bromochloromethane	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.2
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	6
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4

* 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: GENV01
 Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939
 Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VY021953.D		RRF010 = VY021954.D		RRF020 = VY021955.D			
		RRF050 = VY021956.D		RRF100 = VY021957.D		RRF150 = VY021958.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7	
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3	
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8	
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5	
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2	
1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.3	
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6	
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5	
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1	
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3	
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3	
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2	
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5	
Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2	
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4	
1,3-Dichlorobenzene	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.5	
1,4-Dichlorobenzene	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.7	
1,2-Dichlorobenzene	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.8	
1,2-Dibromo-3-Chloropropane	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.9	
1,2,4-Trichlorobenzene	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.1	
1,2,3-Trichlorobenzene	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.2	
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3	
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3	
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2	
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.8	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y042225S.M
 Title : SW846 8260
 Last Update : Wed Apr 23 02:30:30 2025
 Response Via : Initial Calibration

Calibration Files

5 =VY021953.D 10 =VY021954.D 20 =VY021955.D 50 =VY021956.D 100 =VY021957.D 150 =VY021958.D

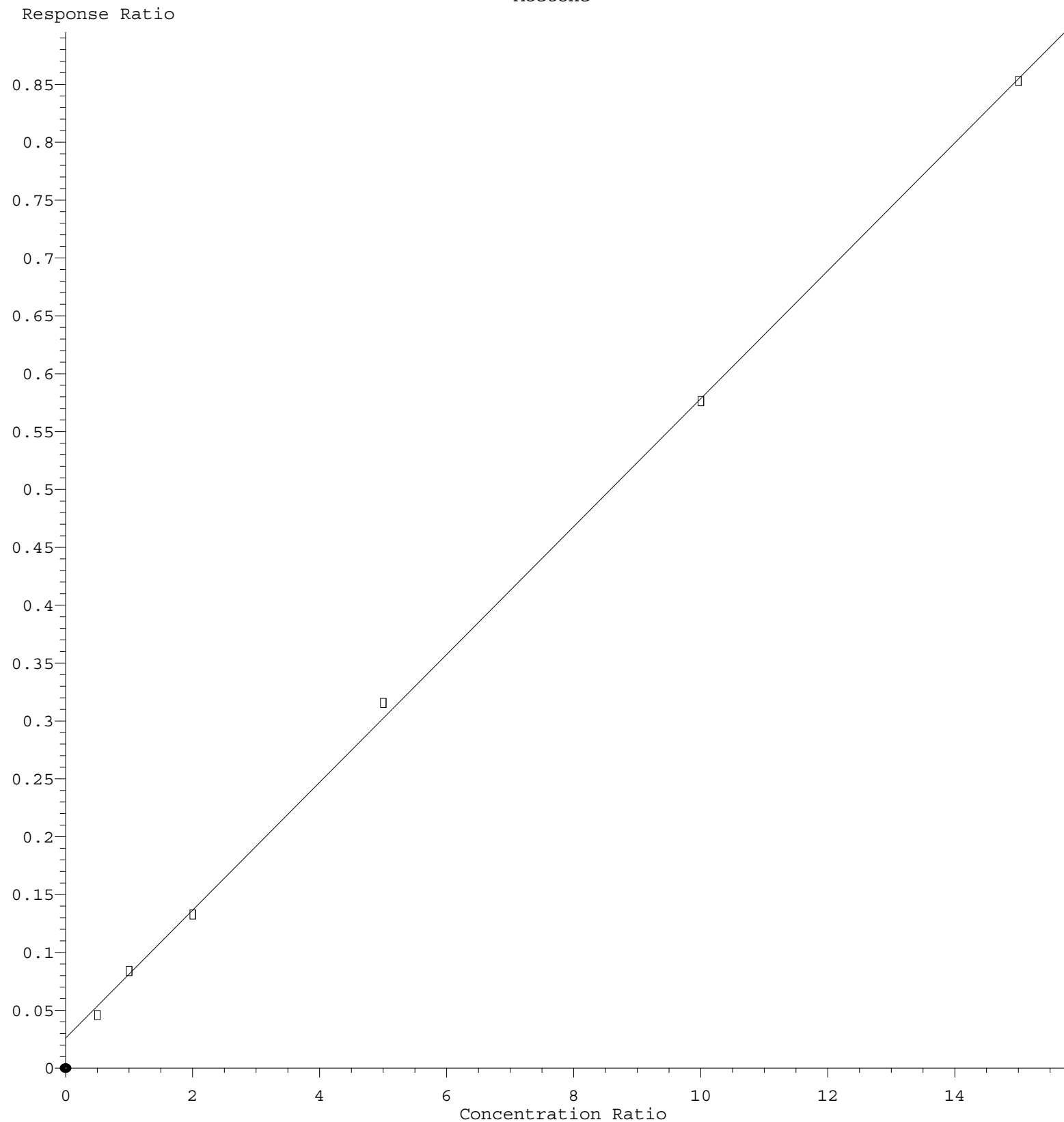
	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.66
3) P	Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.24
4) C	Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.14#
5) T	Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.29
6) T	Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.60
7) T	Trichlorofluor...	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.87
8) T	Diethyl Ether	0.283	0.266	0.253	0.247	0.246	0.240	0.256	6.23
9) T	1,1,2-Trichlor...	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.83
10) T	Methyl Iodide	0.573	0.619	0.604	0.629	0.651	0.628	0.617	4.33
11) T	Tert butyl alc...	0.027	0.024	0.027	0.026	0.023	0.025	0.025	6.35
12) CM	1,1-Dichloroet...	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5.05#
13) T	Acrolein	0.053	0.045	0.051	0.042	0.040	0.042	0.046	11.55
14) T	Allyl chloride	0.620	0.607	0.558	0.555	0.575	0.557	0.579	4.82
15) T	Acrylonitrile	0.103	0.090	0.099	0.093	0.088	0.088	0.094	6.56
16) T	Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.66
17) T	Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.75
18) T	Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.16
19) T	Methyl tert-bu...	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.57
20) T	Methylene Chlo...	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.72
21) T	trans-1,2-Dich...	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.29
22) T	Diisopropyl ether	1.282	1.292	1.316	1.290	1.300	1.248	1.288	1.78
23) T	Vinyl Acetate	0.657	0.684	0.700	0.716	0.713	0.694	0.694	3.15
24) P	1,1-Dichloroet...	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.89
25) T	2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.53
26) T	2,2-Dichloropr...	0.841	0.830	0.763	0.743	0.770	0.748	0.782	5.42
27) T	cis-1,2-Dichlo...	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.08
28) T	Bromochloromet...	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.18
29) T	Tetrahydrofuran	0.067	0.065	0.072	0.073	0.066	0.067	0.068	4.92
30) C	Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.17#
31) T	Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.59
32) T	1,1,1-Trichlor...	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.78
33) S	1,2-Dichloroet...	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.29
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.34
36) T	1,1-Dichloropr...	0.455	0.470	0.424	0.425	0.450	0.437	0.444	4.10
37) T	Ethyl Acetate	0.166	0.161	0.163	0.161	0.153	0.151	0.159	3.67
38) T	Carbon Tetrach...	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.90
39) T	Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	5.95
40) TM	Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.14
41) T	Methacrylonitrile	0.076	0.086	0.104	0.092	0.082	0.084	0.087	11.20
42) TM	1,2-Dichloroet...	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.27
43) T	Isopropyl Acetate	0.301	0.293	0.314	0.312	0.309	0.308	0.306	2.52
44) TM	Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.28
45) C	1,2-Dichloropr...	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.36#
46) T	Dibromomethane	0.202	0.193	0.192	0.187	0.191	0.187	0.192	2.95
47) T	Bromodichlorom...	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.08
48) T	Methyl methacr...	0.120	0.130	0.147	0.150	0.150	0.151	0.141	9.21
49) T	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	5.90
50) S	Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2.04
51) T	4-Methyl-2-Pen...	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.94
52) CM	Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.35#
53) T	t-1,3-Dichloro...	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.70
54) T	cis-1,3-Dichlo...	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.32
55) T	1,1,2-Trichlor...	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.82
56) T	Ethyl methacry...	0.234	0.259	0.290	0.316	0.332	0.329	0.293	13.69

Method Path : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\
 Method File : 82Y042225S.M

57)	T	1,3-Dichloropr...	0.413	0.420	0.405	0.409	0.417	0.404	0.411	1.58
58)	T	2-Chloroethyl ...	0.118	0.121	0.146	0.161	0.154	0.161	0.143	13.40
59)	T	2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.46
60)	T	Dibromochlorom...	0.345	0.355	0.354	0.352	0.367	0.357	0.355	1.96
61)	T	1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.27
62)	S	4-Bromofluorob...	0.408	0.429	0.401	0.426	0.423	0.428	0.419	2.77
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.64
65)	PM	Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.46
66)	T	1,1,1,2-Tetrac...	0.401	0.409	0.376	0.386	0.401	0.388	0.394	3.12
67)	C	Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.06#
68)	T	m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.28
69)	T	o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.32
70)	T	Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.16
71)	P	Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.48
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.24
74)	T	N-amyl acetate	0.528	0.530	0.553	0.591	0.615	0.626	0.574	7.48
75)	P	1,1,2,2-Tetrac...	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.42
76)	T	1,2,3-Trichlor...	0.498	0.445	0.418	0.405	0.408	0.397	0.428	8.83
77)	T	Bromobenzene	0.855	0.831	0.780	0.828	0.890	0.881	0.844	4.76
78)	T	n-propylbenzene	3.708	3.996	3.778	3.977	4.258	4.152	3.978	5.30
79)	T	2-Chlorotoluene	2.253	2.343	2.179	2.280	2.435	2.391	2.314	4.07
80)	T	1,3,5-Trimethy...	2.467	2.757	2.614	2.800	2.978	2.898	2.752	6.80
81)	T	trans-1,4-Dich...	0.185	0.174	0.170	0.177	0.181	0.181	0.178	2.93
82)	T	4-Chlorotoluene	2.313	2.501	2.270	2.380	2.521	2.445	2.405	4.23
83)	T	tert-Butylbenzene	2.246	2.382	2.263	2.494	2.725	2.701	2.468	8.48
84)	T	1,2,4-Trimethy...	2.415	2.717	2.631	2.784	3.027	2.945	2.753	8.01
85)	T	sec-Butylbenzene	3.254	3.724	3.409	3.602	3.898	3.786	3.612	6.72
86)	T	p-Isopropyltol...	2.717	3.016	2.869	3.094	3.386	3.321	3.067	8.39
87)	T	1,3-Dichlorobe...	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.53
88)	T	1,4-Dichlorobe...	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.73
89)	T	n-Butylbenzene	2.477	2.790	2.545	2.742	2.976	2.919	2.742	7.24
90)	T	Hexachloroethane	0.715	0.710	0.614	0.638	0.689	0.677	0.674	6.01
91)	T	1,2-Dichlorobe...	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.84
92)	T	1,2-Dibromo-3-...	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.90
93)	T	1,2,4-Trichlor...	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.11
94)	T	Hexachlorobuta...	0.522	0.545	0.483	0.480	0.555	0.544	0.521	6.28
95)	T	Naphthalene	1.186	1.113	1.284	1.436	1.690	1.738	1.408	18.56
96)	T	1,2,3-Trichlor...	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.25

(#) = Out of Range

Acetone



Response = $5.529e-002 * Amt + 2.582e-002$
 Coef of Det (r^2) = 0.999482 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA Y\methods\82Y042225S.M
 Calibration Table Last Updated: Wed Apr 23 02:30:30 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021953.D
 Acq On : 22 Apr 2025 13:39
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	280613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462995	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	410723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	205526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14719	5.679	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	11.360%#		
35) Dibromofluoromethane	7.634	113	15517	5.073	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.140%#		
50) Toluene-d8	10.109	98	56501	4.900	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.800%#		
62) 4-Bromofluorobenzene	12.407	95	18902	4.869	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	9.740%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	13157	5.503	ug/l	93
3) Chloromethane	2.068	50	19759	5.803	ug/l	92
4) Vinyl Chloride	2.202	62	23262	5.560	ug/l	98
5) Bromomethane	2.598	94	21956	6.091	ug/l	99
6) Chloroethane	2.732	64	16527	5.800	ug/l	90
7) Trichlorofluoromethane	3.055	101	29399	5.329	ug/l	93
8) Diethyl Ether	3.452	74	7949	5.536	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	16959	5.667	ug/l	97
10) Methyl Iodide	4.000	142	16072	4.638	ug/l	97
11) Tert butyl alcohol	4.866	59	3727m	26.192	ug/l	
12) 1,1-Dichloroethene	3.793	96	14742	5.285	ug/l	97
13) Acrolein	3.659	56	7419	29.049	ug/l	97
14) Allyl chloride	4.372	41	17385	5.352	ug/l	98
15) Acrylonitrile	5.055	53	14464	27.514	ug/l	97
16) Acetone	3.872	43	12844	18.039	ug/l #	83
17) Carbon Disulfide	4.104	76	48701	5.475	ug/l	98
18) Methyl Acetate	4.391	43	5994	4.951	ug/l	92
19) Methyl tert-butyl Ether	5.110	73	30819	4.936	ug/l	98
20) Methylene Chloride	4.610	84	21309	6.502	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	17357	5.556	ug/l	92
22) Diisopropyl ether	6.012	45	35963	4.975	ug/l	91
23) Vinyl Acetate	5.963	43	92152	23.655	ug/l	95
24) 1,1-Dichloroethane	5.915	63	27705	5.529	ug/l	98
25) 2-Butanone	6.896	43	15627	26.449	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	23594	5.373	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	17569	5.029	ug/l	96
28) Bromochloromethane	7.244	49	10541	5.416	ug/l	98
29) Tetrahydrofuran	7.262	42	9424	24.559	ug/l	97
30) Chloroform	7.421	83	30418	5.473	ug/l	97
31) Cyclohexane	7.707	56	23446	5.472	ug/l #	77
32) 1,1,1-Trichloroethane	7.622	97	27271	5.424	ug/l	96
36) 1,1-Dichloropropene	7.829	75	21076	5.130	ug/l	96
37) Ethyl Acetate	6.982	43	7691m	5.283	ug/l	
38) Carbon Tetrachloride	7.811	117	25016	5.095	ug/l	97
39) Methylcyclohexane	9.109	83	24303	4.700	ug/l	97
40) Benzene	8.079	78	65878	5.129	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021953.D
 Acq On : 22 Apr 2025 13:39
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	3506m	4.345	ug/l	
42) 1,2-Dichloroethane	8.158	62	16046	5.046	ug/l	96
43) Isopropyl Acetate	8.195	43	13940	4.919	ug/l #	86
44) Trichloroethene	8.865	130	18611	5.231	ug/l	96
45) 1,2-Dichloropropane	9.146	63	14827	5.220	ug/l	99
46) Dibromomethane	9.231	93	9367	5.268	ug/l	96
47) Bromodichloromethane	9.420	83	22170	4.991	ug/l #	96
48) Methyl methacrylate	9.225	41	5570	4.252	ug/l	94
49) 1,4-Dioxane	9.231	88	1703	89.863	ug/l #	90
51) 4-Methyl-2-Pentanone	9.999	43	33298	22.414	ug/l	98
52) Toluene	10.170	92	38784	4.665	ug/l	97
53) t-1,3-Dichloropropene	10.396	75	17712	4.649	ug/l #	87
54) cis-1,3-Dichloropropene	9.853	75	21582	4.765	ug/l	92
55) 1,1,2-Trichloroethane	10.572	97	11582	4.877	ug/l	94
56) Ethyl methacrylate	10.444	69	10816	3.982	ug/l	96
57) 1,3-Dichloropropane	10.719	76	19113	5.020	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	27363	20.606	ug/l	100
59) 2-Hexanone	10.761	43	21558	22.001	ug/l	92
60) Dibromochloromethane	10.914	129	15992	4.863	ug/l	97
61) 1,2-Dibromoethane	11.017	107	11020	4.915	ug/l	98
64) Tetrachloroethene	10.646	164	20545	5.302	ug/l	91
65) Chlorobenzene	11.444	112	48805	5.314	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.517	131	16483	5.097	ug/l	98
67) Ethyl Benzene	11.517	91	69548	4.629	ug/l	97
68) m/p-Xylenes	11.627	106	54518	9.119	ug/l	100
69) o-Xylene	11.956	106	24611	4.466	ug/l	98
70) Styrene	11.969	104	39016	4.217	ug/l	97
71) Bromoform	12.133	173	9608	5.111	ug/l #	98
73) Isopropylbenzene	12.255	105	62917	4.582	ug/l	97
74) N-amyl acetate	12.072	43	10843	4.596	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	12362	5.340	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	10228m	5.648	ug/l	
77) Bromobenzene	12.535	156	17570	5.064	ug/l	100
78) n-propylbenzene	12.596	91	76210	4.660	ug/l	100
79) 2-Chlorotoluene	12.682	91	46298	4.868	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	50699	4.481	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	3795	5.191	ug/l	98
82) 4-Chlorotoluene	12.779	91	47541	4.809	ug/l	98
83) tert-Butylbenzene	12.999	119	46171	4.550	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	49642	4.387	ug/l	99
85) sec-Butylbenzene	13.176	105	66872	4.504	ug/l	99
86) p-Isopropyltoluene	13.291	119	55850	4.430	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	35553	5.045	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	37426	5.362	ug/l	95
89) n-Butylbenzene	13.621	91	50918	4.518	ug/l	99
90) Hexachloroethane	13.883	117	14703	5.308	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	31298	5.092	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2000	5.430	ug/l	86
93) 1,2,4-Trichlorobenzene	14.919	180	15346	4.406	ug/l	94
94) Hexachlorobutadiene	15.023	225	10723	5.004	ug/l	98
95) Naphthalene	15.145	128	24368	4.212	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	13785	4.585	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

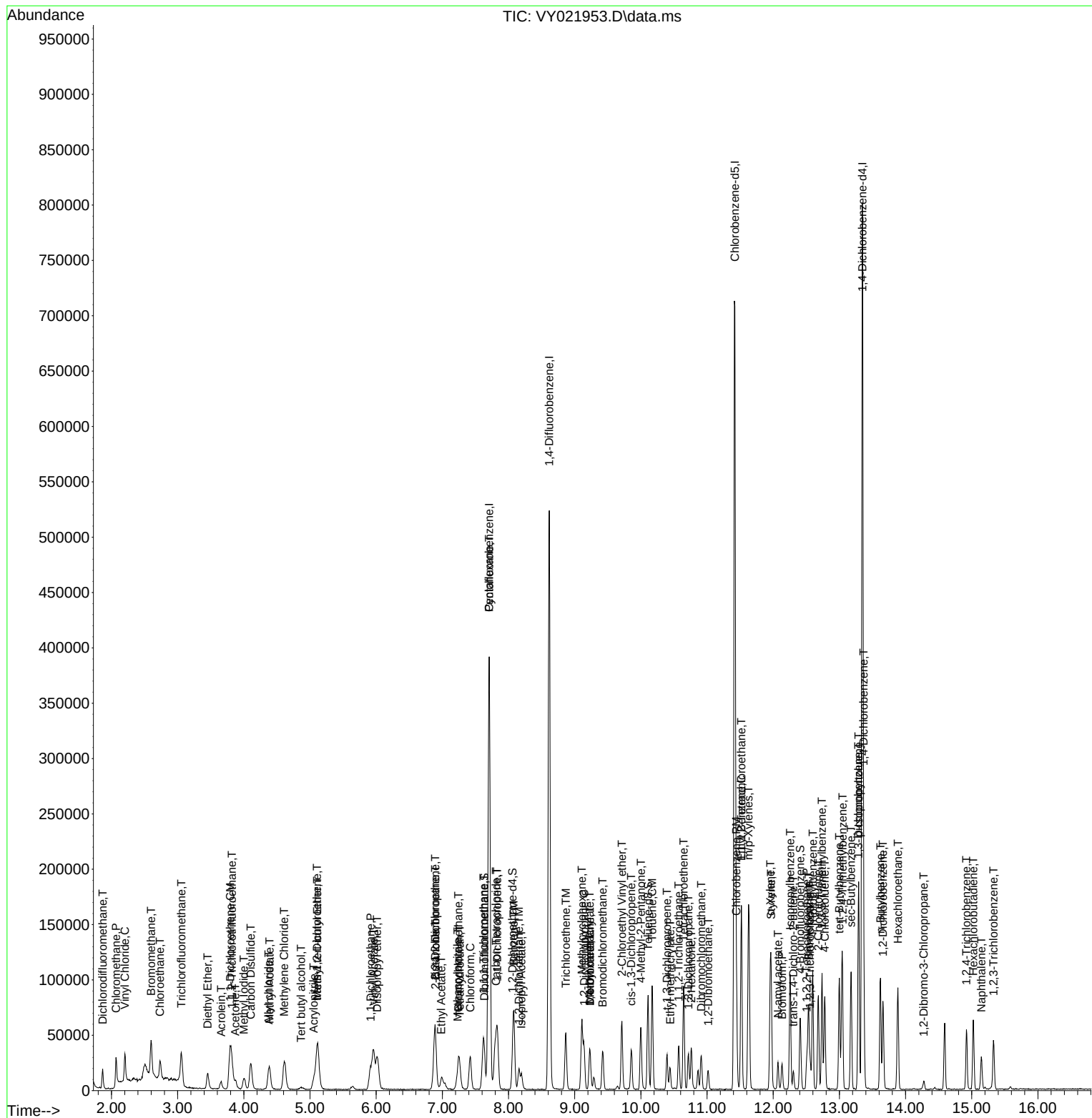
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021953.D
Acq On : 22 Apr 2025 13:39
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:07:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021954.D
 Acq On : 22 Apr 2025 14:44
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	292096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	462235	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	418471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	217358	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27856	10.325	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.640%#		
35) Dibromofluoromethane	7.634	113	31560	10.335	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.660%#		
50) Toluene-d8	10.103	98	116480	10.118	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	20.240%#		
62) 4-Bromofluorobenzene	12.407	95	39704	10.244	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.480%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	27882	11.202	ug/l	95
3) Chloromethane	2.068	50	39169	11.052	ug/l	91
4) Vinyl Chloride	2.202	62	48475	11.131	ug/l	98
5) Bromomethane	2.598	94	40742	10.859	ug/l	98
6) Chloroethane	2.732	64	32122	10.830	ug/l	95
7) Trichlorofluoromethane	3.055	101	62819	10.939	ug/l	94
8) Diethyl Ether	3.452	74	15517	10.381	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	34542	11.088	ug/l	99
10) Methyl Iodide	4.000	142	36146	10.021	ug/l	99
11) Tert butyl alcohol	4.866	59	7087	47.846	ug/l	95
12) 1,1-Dichloroethene	3.787	96	31073	10.701	ug/l	94
13) Acrolein	3.647	56	13091	49.243	ug/l	96
14) Allyl chloride	4.378	41	35457	10.487	ug/l	97
15) Acrylonitrile	5.055	53	26314	48.088	ug/l	96
16) Acetone	3.872	43	24497	52.492	ug/l	99
17) Carbon Disulfide	4.104	76	101496	10.962	ug/l	96
18) Methyl Acetate	4.378	43	11687	9.273	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	62306	9.587	ug/l	96
20) Methylene Chloride	4.610	84	36539	10.710	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	33752	10.379	ug/l	97
22) Diisopropyl ether	6.012	45	75451	10.028	ug/l	94
23) Vinyl Acetate	5.957	43	199753	49.260	ug/l	99
24) 1,1-Dichloroethane	5.915	63	55067	10.558	ug/l	97
25) 2-Butanone	6.890	43	31349	50.973	ug/l	100
26) 2,2-Dichloropropane	6.884	77	48501	10.610	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	37281	10.253	ug/l	99
28) Bromochloromethane	7.238	49	21122	10.426	ug/l	99
29) Tetrahydrofuran	7.262	42	18883	47.274	ug/l	100
30) Chloroform	7.414	83	61088	10.559	ug/l	99
31) Cyclohexane	7.701	56	50083	11.229	ug/l #	96
32) 1,1,1-Trichloroethane	7.616	97	55163	10.540	ug/l	97
36) 1,1-Dichloropropene	7.835	75	43496	10.604	ug/l	98
37) Ethyl Acetate	6.982	43	14895m	10.248	ug/l	
38) Carbon Tetrachloride	7.817	117	52079	10.625	ug/l	100
39) Methylcyclohexane	9.109	83	52625	10.194	ug/l	95
40) Benzene	8.079	78	133010	10.373	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021954.D
 Acq On : 22 Apr 2025 14:44
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	7906m	9.813	ug/l	
42) 1,2-Dichloroethane	8.152	62	33939	10.690	ug/l	99
43) Isopropyl Acetate	8.195	43	27087	9.574	ug/l	98
44) Trichloroethene	8.865	130	37414	10.534	ug/l	91
45) 1,2-Dichloropropane	9.140	63	29327	10.342	ug/l	98
46) Dibromomethane	9.231	93	17848	10.055	ug/l	98
47) Bromodichloromethane	9.420	83	46552	10.498	ug/l	97
48) Methyl methacrylate	9.219	41	12035	9.202	ug/l	97
49) 1,4-Dioxane	9.231	88	3781	199.843	ug/l #	96
51) 4-Methyl-2-Pentanone	9.999	43	68951	46.490	ug/l	98
52) Toluene	10.170	92	84571	10.189	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	37699	9.911	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	45133	9.982	ug/l	95
55) 1,1,2-Trichloroethane	10.572	97	24166	10.192	ug/l	98
56) Ethyl methacrylate	10.438	69	23924	8.823	ug/l	98
57) 1,3-Dichloropropane	10.719	76	38787	10.204	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.707	63	55900	42.164	ug/l	98
59) 2-Hexanone	10.761	43	44419	45.407	ug/l	97
60) Dibromochloromethane	10.914	129	32807	9.994	ug/l	99
61) 1,2-Dibromoethane	11.011	107	22427	10.019	ug/l	99
64) Tetrachloroethene	10.646	164	43205	10.944	ug/l	99
65) Chlorobenzene	11.444	112	96442	10.306	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	34237	10.392	ug/l	99
67) Ethyl Benzene	11.517	91	153977	10.058	ug/l	96
68) m/p-Xylenes	11.627	106	120544	19.789	ug/l	100
69) o-Xylene	11.956	106	53458	9.521	ug/l	98
70) Styrene	11.969	104	90382	9.588	ug/l	99
71) Bromoform	12.133	173	18480	9.648	ug/l #	99
73) Isopropylbenzene	12.255	105	144167	9.928	ug/l	100
74) N-amyl acetate	12.072	43	23058	9.242	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	24413	9.971	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	19328m	10.092	ug/l	
77) Bromobenzene	12.529	156	36127	9.845	ug/l	97
78) n-propylbenzene	12.596	91	173723	10.045	ug/l	98
79) 2-Chlorotoluene	12.682	91	101855	10.127	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	119871	10.018	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	7556	9.773	ug/l	98
82) 4-Chlorotoluene	12.779	91	108734	10.400	ug/l	100
83) tert-Butylbenzene	12.999	119	103541	9.649	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	118119	9.870	ug/l	100
85) sec-Butylbenzene	13.176	105	161907	10.311	ug/l	100
86) p-Isopropyltoluene	13.291	119	131120	9.834	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	77538	10.404	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	75043	10.167	ug/l	98
89) n-Butylbenzene	13.621	91	121297	10.177	ug/l	99
90) Hexachloroethane	13.877	117	30881	10.541	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	66159	10.178	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3955	10.153	ug/l	83
93) 1,2,4-Trichlorobenzene	14.919	180	34793	9.446	ug/l	98
94) Hexachlorobutadiene	15.023	225	23698	10.457	ug/l	98
95) Naphthalene	15.145	128	48366	7.904	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	29276	9.207	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021954.D
Acq On : 22 Apr 2025 14:44
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:08:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

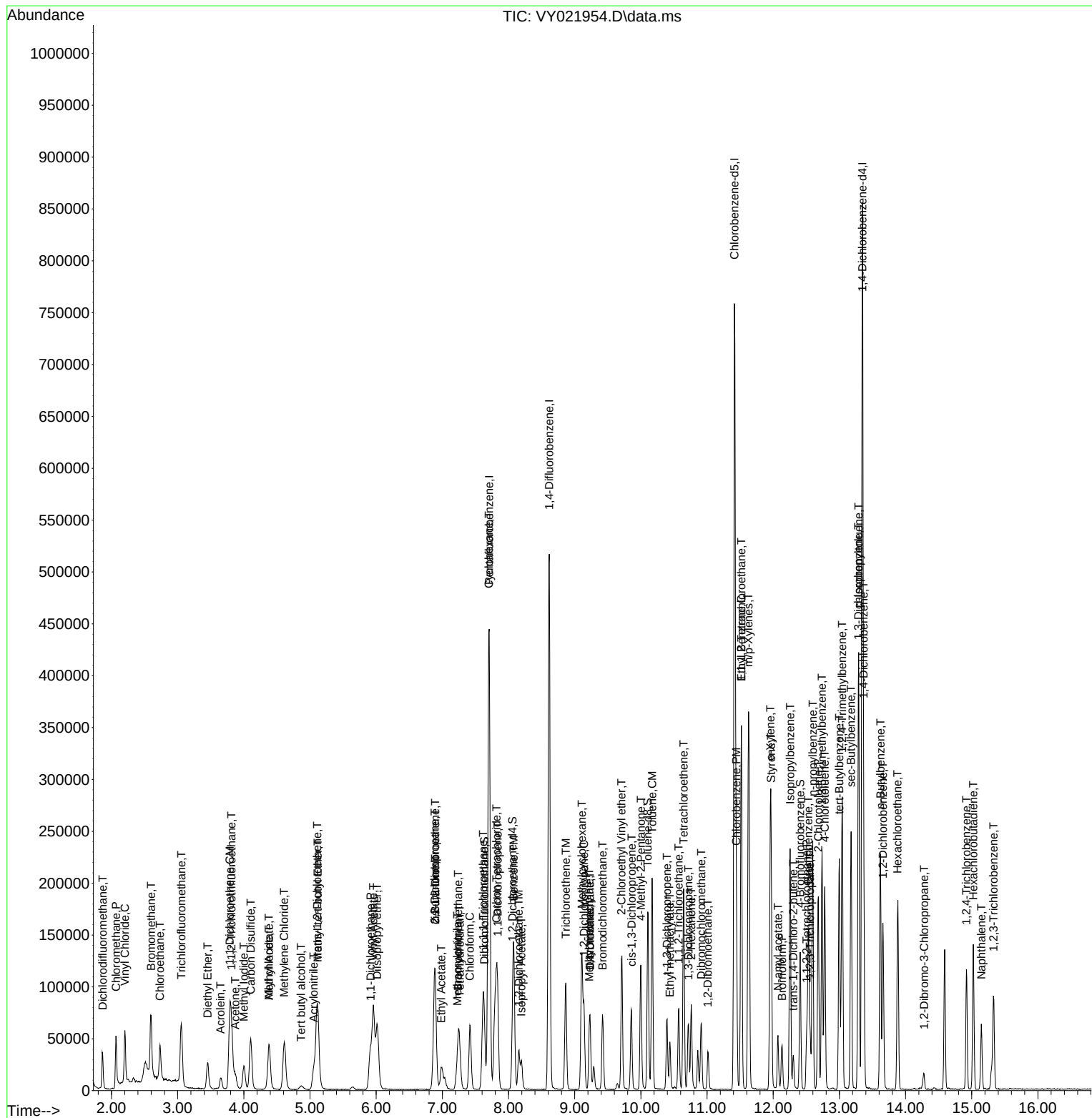
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC010

Manual Integrations

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021955.D
 Acq On : 22 Apr 2025 15:07
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	302781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	443014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55629	19.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.780%#		
35) Dibromofluoromethane	7.634	113	63419	20.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.000%#		
50) Toluene-d8	10.103	98	232431	19.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.900%#		
62) 4-Bromofluorobenzene	12.408	95	77034	19.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.280%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	49065	19.018	ug/l	94
3) Chloromethane	2.062	50	76990	20.957	ug/l	99
4) Vinyl Chloride	2.202	62	91757	20.326	ug/l	100
5) Bromomethane	2.586	94	81602	20.981	ug/l	95
6) Chloroethane	2.726	64	63501	20.654	ug/l	99
7) Trichlorofluoromethane	3.050	101	119529	20.079	ug/l	97
8) Diethyl Ether	3.452	74	30609	19.755	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	64172	19.872	ug/l	99
10) Methyl Iodide	4.001	142	73189	19.575	ug/l	100
11) Tert butyl alcohol	4.866	59	16584	108.012	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	58505	19.437	ug/l	97
13) Acrolein	3.653	56	30883	112.069	ug/l	98
14) Allyl chloride	4.379	41	67622	19.294	ug/l	99
15) Acrylonitrile	5.061	53	59926	105.648	ug/l	98
16) Acetone	3.873	43	40190	96.689	ug/l	94
17) Carbon Disulfide	4.098	76	189988	19.796	ug/l	95
18) Methyl Acetate	4.385	43	27988	21.423	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	133523	19.820	ug/l	98
20) Methylene Chloride	4.610	84	69571	19.673	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	64547	19.148	ug/l	92
22) Diisopropyl ether	6.012	45	159414	20.439	ug/l	96
23) Vinyl Acetate	5.958	43	424128	100.901	ug/l	100
24) 1,1-Dichloroethane	5.915	63	108156	20.006	ug/l	99
25) 2-Butanone	6.896	43	65464	102.688	ug/l	96
26) 2,2-Dichloropropane	6.878	77	92415	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73114	19.398	ug/l	97
28) Bromochloromethane	7.244	49	44154	21.027	ug/l	99
29) Tetrahydrofuran	7.262	42	43665	105.459	ug/l	99
30) Chloroform	7.421	83	117934	19.666	ug/l	97
31) Cyclohexane	7.701	56	89380	19.333	ug/l	91
32) 1,1,1-Trichloroethane	7.610	97	108468	19.993	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81459	19.127	ug/l	99
37) Ethyl Acetate	6.982	43	31319	20.755	ug/l	99
38) Carbon Tetrachloride	7.817	117	98308	19.318	ug/l	98
39) Methylcyclohexane	9.109	83	99570	18.578	ug/l	95
40) Benzene	8.079	78	259371	19.482	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021955.D
 Acq On : 22 Apr 2025 15:07
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	19946m	23.846	ug/l	
42) 1,2-Dichloroethane	8.158	62	67235	20.398	ug/l	100
43) Isopropyl Acetate	8.195	43	60204	20.495	ug/l #	87
44) Trichloroethene	8.866	130	70896	19.226	ug/l	96
45) 1,2-Dichloropropane	9.140	63	57934	19.678	ug/l	98
46) Dibromomethane	9.225	93	36893	20.018	ug/l	97
47) Bromodichloromethane	9.420	83	89049	19.341	ug/l	99
48) Methyl methacrylate	9.219	41	28211	20.775	ug/l	97
49) 1,4-Dioxane	9.237	88	8497	432.566	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	159902	103.844	ug/l	99
52) Toluene	10.170	92	168035	19.499	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	76629	19.404	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	92726	19.753	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	50105	20.353	ug/l	99
56) Ethyl methacrylate	10.438	69	55703	19.786	ug/l	99
57) 1,3-Dichloropropane	10.713	76	77652	19.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	140435	102.027	ug/l	99
59) 2-Hexanone	10.762	43	104321	102.714	ug/l	98
60) Dibromochloromethane	10.908	129	67988	19.948	ug/l	99
61) 1,2-Dibromoethane	11.012	107	46699	20.093	ug/l	98
64) Tetrachloroethene	10.646	164	81915	19.600	ug/l	98
65) Chlorobenzene	11.438	112	186901	18.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	66586	19.091	ug/l	99
67) Ethyl Benzene	11.518	91	304501	18.789	ug/l	99
68) m/p-Xylenes	11.627	106	247677	38.407	ug/l	99
69) o-Xylene	11.956	106	112603	18.945	ug/l	100
70) Styrene	11.969	104	191106	19.149	ug/l	99
71) Bromoform	12.133	173	39690	19.573	ug/l #	98
73) Isopropylbenzene	12.255	105	293481	18.570	ug/l	100
74) N-amyl acetate	12.072	43	52325	19.271	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52524	19.713	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	39530m	18.965	ug/l	
77) Bromobenzene	12.530	156	73838	18.490	ug/l	97
78) n-propylbenzene	12.597	91	357438	18.992	ug/l	99
79) 2-Chlorotoluene	12.676	91	206212	18.840	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	247372	18.997	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	16123	19.163	ug/l	96
82) 4-Chlorotoluene	12.773	91	214776	18.876	ug/l	100
83) tert-Butylbenzene	12.999	119	214149	18.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	248902	19.110	ug/l	99
85) sec-Butylbenzene	13.176	105	322522	18.873	ug/l	100
86) p-Isopropyltoluene	13.292	119	271440	18.706	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	150873	18.602	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	151864	18.905	ug/l	99
89) n-Butylbenzene	13.615	91	240816	18.566	ug/l	98
90) Hexachloroethane	13.877	117	58060	18.211	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	135650	19.175	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8864	20.910	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	74289	18.532	ug/l	99
94) Hexachlorobutadiene	15.023	225	45722	18.538	ug/l	98
95) Naphthalene	15.145	128	121454	18.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	64735	18.707	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021955.D
Acq On : 22 Apr 2025 15:07
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021956.D
 Acq On : 22 Apr 2025 15:29
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	321453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	499724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	458508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	245926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149695	50.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.840%			
35) Dibromofluoromethane	7.634	113	164867	49.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.880%			
50) Toluene-d8	10.103	98	637767	51.241	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.480%			
62) 4-Bromofluorobenzene	12.402	95	212936	50.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	126242	46.089	ug/l	100
3) Chloromethane	2.062	50	193657	49.653	ug/l	100
4) Vinyl Chloride	2.196	62	234756	48.981	ug/l	100
5) Bromomethane	2.592	94	191530	46.385	ug/l	100
6) Chloroethane	2.733	64	158887	48.677	ug/l	100
7) Trichlorofluoromethane	3.050	101	308523	48.817	ug/l	100
8) Diethyl Ether	3.452	74	79512	48.337	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	157297	45.881	ug/l	100
10) Methyl Iodide	4.001	142	202276	50.959	ug/l	100
11) Tert butyl alcohol	4.879	59	41968	257.462	ug/l	100
12) 1,1-Dichloroethene	3.787	96	151531	47.419	ug/l	100
13) Acrolein	3.653	56	68275	233.366	ug/l	100
14) Allyl chloride	4.379	41	178559	47.988	ug/l	100
15) Acrylonitrile	5.055	53	150181	249.387	ug/l	100
16) Acetone	3.879	43	101417	261.973	ug/l	100
17) Carbon Disulfide	4.098	76	479842	47.094	ug/l	100
18) Methyl Acetate	4.385	43	71756	51.735	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	364107	50.907	ug/l	100
20) Methylene Chloride	4.610	84	171472	45.671	ug/l	100
21) trans-1,2-Dichloroethene	5.104	96	171054	47.796	ug/l	100
22) Diisopropyl ether	6.019	45	414816	50.096	ug/l	100
23) Vinyl Acetate	5.958	43	1151100	257.942	ug/l	100
24) 1,1-Dichloroethane	5.915	63	274136	47.762	ug/l	100
25) 2-Butanone	6.896	43	169727	250.772	ug/l	100
26) 2,2-Dichloropropane	6.884	77	238816	47.472	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	196712	49.157	ug/l	100
28) Bromochloromethane	7.244	49	110399	49.520	ug/l	100
29) Tetrahydrofuran	7.262	42	117311	266.870	ug/l	100
30) Chloroform	7.421	83	307243	48.259	ug/l	100
31) Cyclohexane	7.701	56	227735	46.398	ug/l	100
32) 1,1,1-Trichloroethane	7.616	97	274062	47.581	ug/l	100
36) 1,1-Dichloropropene	7.835	75	212523	47.923	ug/l	100
37) Ethyl Acetate	6.982	43	80627	51.312	ug/l	100
38) Carbon Tetrachloride	7.817	117	253502	47.838	ug/l	100
39) Methylcyclohexane	9.109	83	274408	49.170	ug/l	100
40) Benzene	8.079	78	667899	48.179	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021956.D
 Acq On : 22 Apr 2025 15:29
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	45898	52.696	ug/l	100
42) 1,2-Dichloroethane	8.158	62	167612	48.835	ug/l	100
43) Isopropyl Acetate	8.195	43	155835	50.948	ug/l	100
44) Trichloroethene	8.860	130	183327	47.744	ug/l	100
45) 1,2-Dichloropropane	9.140	63	149687	48.827	ug/l	100
46) Dibromomethane	9.231	93	93536	48.740	ug/l	100
47) Bromodichloromethane	9.420	83	234964	49.010	ug/l	100
48) Methyl methacrylate	9.219	41	75057	53.082	ug/l	100
49) 1,4-Dioxane	9.238	88	20303	992.601	ug/l	100
51) 4-Methyl-2-Pentanone	10.000	43	428635	267.326	ug/l	100
52) Toluene	10.170	92	446525	49.760	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	208479	50.698	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	241637	49.432	ug/l	100
55) 1,1,2-Trichloroethane	10.573	97	128082	49.965	ug/l	100
56) Ethyl methacrylate	10.439	69	157986	53.893	ug/l	100
57) 1,3-Dichloropropane	10.713	76	204196	49.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	401030	279.797	ug/l	100
59) 2-Hexanone	10.762	43	286755	271.141	ug/l	100
60) Dibromochloromethane	10.908	129	176120	49.624	ug/l	100
61) 1,2-Dibromoethane	11.012	107	120604	49.835	ug/l	100
64) Tetrachloroethene	10.646	164	208756	48.263	ug/l	100
65) Chlorobenzene	11.438	112	496647	48.437	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	177151	49.075	ug/l	100
67) Ethyl Benzene	11.518	91	841384	50.163	ug/l	100
68) m/p-Xylenes	11.627	106	673159	100.858	ug/l	100
69) o-Xylene	11.950	106	315731	51.325	ug/l	100
70) Styrene	11.969	104	535957	51.890	ug/l	100
71) Bromoform	12.133	173	105166	50.110	ug/l #	100
73) Isopropylbenzene	12.255	105	817740	49.770	ug/l	100
74) N-amyl acetate	12.066	43	145415	51.512	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	134856	48.682	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	99679m	45.999	ug/l	
77) Bromobenzene	12.530	156	203522	49.021	ug/l	100
78) n-propylbenzene	12.591	91	977958	49.981	ug/l	100
79) 2-Chlorotoluene	12.676	91	560805	49.283	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	688578	50.863	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	43472	49.698	ug/l	100
82) 4-Chlorotoluene	12.773	91	585277	49.478	ug/l	100
83) tert-Butylbenzene	12.993	119	613293	50.513	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	684634	50.560	ug/l	100
85) sec-Butylbenzene	13.176	105	885790	49.857	ug/l	100
86) p-Isopropyltoluene	13.292	119	760829	50.431	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	405153	48.048	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	398336	47.697	ug/l	100
89) n-Butylbenzene	13.615	91	674346	50.008	ug/l	100
90) Hexachloroethane	13.877	117	156957	47.353	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	357028	48.544	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20698	46.964	ug/l	100
93) 1,2,4-Trichlorobenzene	14.919	180	202386	48.561	ug/l	100
94) Hexachlorobutadiene	15.023	225	117976	46.009	ug/l	100
95) Naphthalene	15.139	128	353130	51.007	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	173778	48.304	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

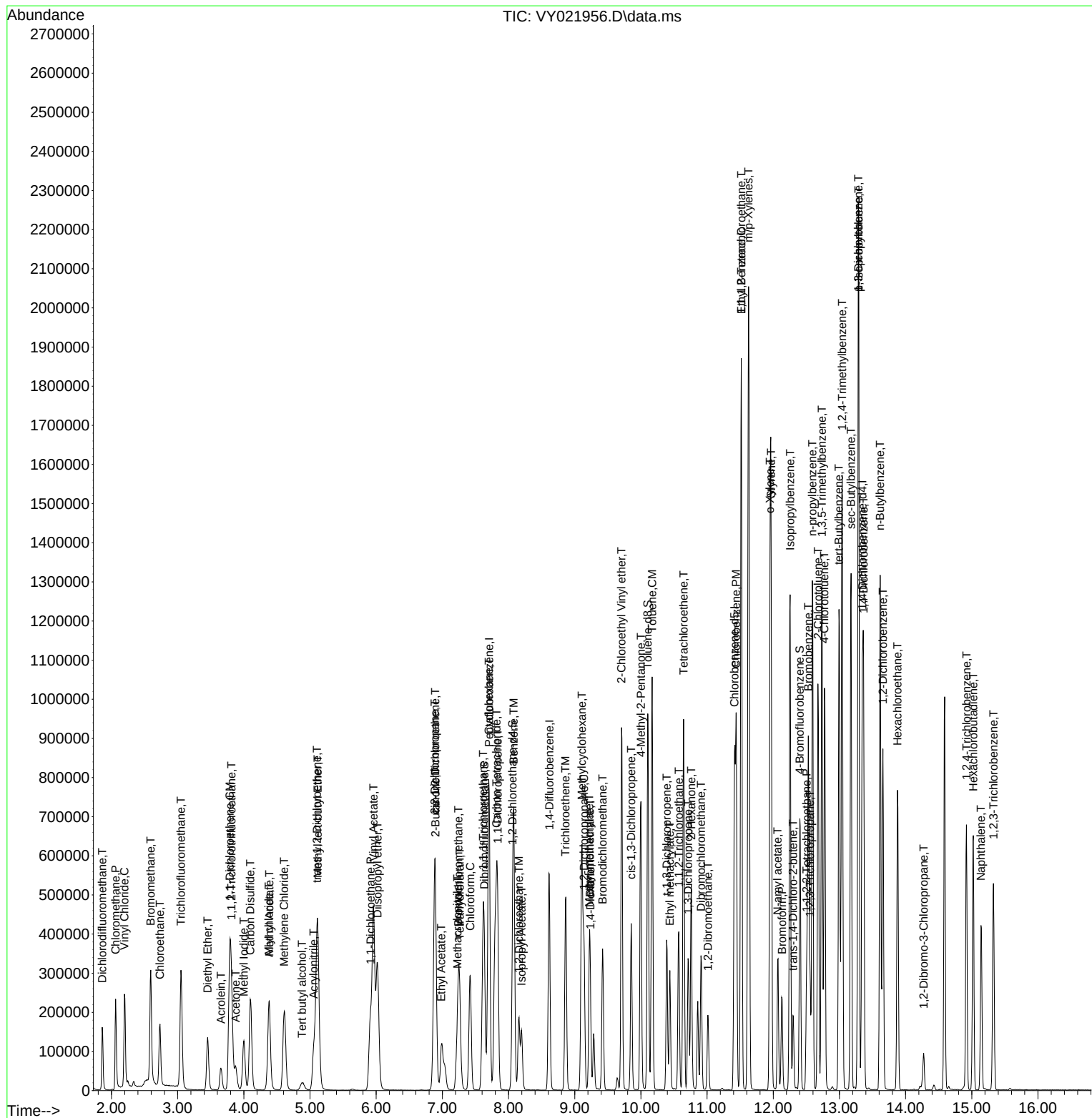
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021956.D
Acq On : 22 Apr 2025 15:29
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:11:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021957.D
 Acq On : 22 Apr 2025 15:52
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	344392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	517970	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	479774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	253936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	287743	90.454	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.900%#			
35) Dibromofluoromethane	7.634	113	329983	96.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 192.860%#			
50) Toluene-d8	10.103	98	1288287	99.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 199.720%#			
62) 4-Bromofluorobenzene	12.402	95	437911	100.832	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 201.660%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	280742	95.668	ug/l	99
3) Chloromethane	2.068	50	364659	87.270	ug/l	99
4) Vinyl Chloride	2.202	62	468044	91.152	ug/l	100
5) Bromomethane	2.586	94	381632	86.267	ug/l	98
6) Chloroethane	2.733	64	317008	90.651	ug/l	98
7) Trichlorofluoromethane	3.050	101	634632	93.728	ug/l	97
8) Diethyl Ether	3.452	74	169496	96.177	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	342220	93.171	ug/l	99
10) Methyl Iodide	4.001	142	448644	105.498	ug/l	100
11) Tert butyl alcohol	4.872	59	79446	454.915	ug/l	97
12) 1,1-Dichloroethene	3.787	96	335292	97.935	ug/l	98
13) Acrolein	3.647	56	137299	438.034	ug/l	97
14) Allyl chloride	4.379	41	395924	99.318	ug/l	99
15) Acrylonitrile	5.055	53	303243	470.017	ug/l	100
16) Acetone	3.873	43	198486	497.873	ug/l	92
17) Carbon Disulfide	4.104	76	1044296	95.665	ug/l	99
18) Methyl Acetate	4.385	43	142939	96.193	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	785760	102.542	ug/l	97
20) Methylene Chloride	4.610	84	356477	88.623	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	376278	98.137	ug/l	97
22) Diisopropyl ether	6.019	45	895700	100.965	ug/l	98
23) Vinyl Acetate	5.958	43	2455946	513.679	ug/l	99
24) 1,1-Dichloroethane	5.909	63	589137	95.806	ug/l	98
25) 2-Butanone	6.890	43	342128	471.826	ug/l	99
26) 2,2-Dichloropropane	6.884	77	530549	98.439	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	436196	101.743	ug/l	100
28) Bromochloromethane	7.244	49	221300	92.652	ug/l	97
29) Tetrahydrofuran	7.262	42	228438	485.059	ug/l	96
30) Chloroform	7.421	83	659805	96.733	ug/l	100
31) Cyclohexane	7.701	56	502812	95.618	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	595919	96.568	ug/l	99
36) 1,1-Dichloropropene	7.835	75	466424	101.471	ug/l	99
37) Ethyl Acetate	6.982	43	158846	97.530	ug/l	98
38) Carbon Tetrachloride	7.817	117	554665	100.983	ug/l	97
39) Methylcyclohexane	9.109	83	621199	107.388	ug/l	98
40) Benzene	8.079	78	1466182	102.038	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021957.D
 Acq On : 22 Apr 2025 15:52
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	84524	93.624	ug/l #	89
42) 1,2-Dichloroethane	8.158	62	348314	97.908	ug/l	100
43) Isopropyl Acetate	8.195	43	319666	100.828	ug/l	98
44) Trichloroethene	8.866	130	401139	100.789	ug/l	99
45) 1,2-Dichloropropane	9.140	63	318648	100.279	ug/l	99
46) Dibromomethane	9.231	93	197509	99.293	ug/l	99
47) Bromodichloromethane	9.420	83	507797	102.188	ug/l	99
48) Methyl methacrylate	9.219	41	155528	106.117	ug/l	97
49) 1,4-Dioxane	9.231	88	43176	2036.490	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	859904	517.403	ug/l	99
52) Toluene	10.170	92	986553	106.068	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	452714	106.213	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	532092	105.017	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	267477	100.667	ug/l	99
56) Ethyl methacrylate	10.438	69	343556	113.068	ug/l	100
57) 1,3-Dichloropropane	10.713	76	432340	101.498	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	796991	536.469	ug/l	99
59) 2-Hexanone	10.762	43	573925	523.558	ug/l	99
60) Dibromochloromethane	10.908	129	380014	103.302	ug/l	99
61) 1,2-Dibromoethane	11.012	107	256079	102.087	ug/l	98
64) Tetrachloroethene	10.646	164	446995	98.761	ug/l	99
65) Chlorobenzene	11.438	112	1092542	101.831	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	384924	101.907	ug/l	99
67) Ethyl Benzene	11.518	91	1909638	108.806	ug/l	100
68) m/p-Xylenes	11.627	106	1528954	218.926	ug/l	98
69) o-Xylene	11.956	106	716652	111.334	ug/l	99
70) Styrene	11.969	104	1220634	112.940	ug/l	99
71) Bromoform	12.133	173	226072	102.945	ug/l #	98
73) Isopropylbenzene	12.255	105	1848306	108.944	ug/l	99
74) N-amyl acetate	12.066	43	312577	107.236	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	281769	98.509	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	207056m	92.537	ug/l	
77) Bromobenzene	12.530	156	451913	105.415	ug/l	98
78) n-propylbenzene	12.597	91	2162620	107.039	ug/l	99
79) 2-Chlorotoluene	12.676	91	1236457	105.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	1512269	108.183	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	91833	101.673	ug/l	97
82) 4-Chlorotoluene	12.773	91	1280377	104.825	ug/l	99
83) tert-Butylbenzene	12.993	119	1383923	110.389	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1537175	109.940	ug/l	99
85) sec-Butylbenzene	13.176	105	1979821	107.920	ug/l	100
86) p-Isopropyltoluene	13.292	119	1719877	110.405	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	908577	104.350	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	880300	102.083	ug/l	99
89) n-Butylbenzene	13.615	91	1511238	108.535	ug/l	99
90) Hexachloroethane	13.877	117	349860	102.221	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	780600	102.789	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	43006	94.503	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	492590	114.465	ug/l	100
94) Hexachlorobutadiene	15.023	225	281711	106.397	ug/l	99
95) Naphthalene	15.145	128	858079	120.033	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	420859	113.294	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021957.D
Acq On : 22 Apr 2025 15:52
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:12:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

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

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

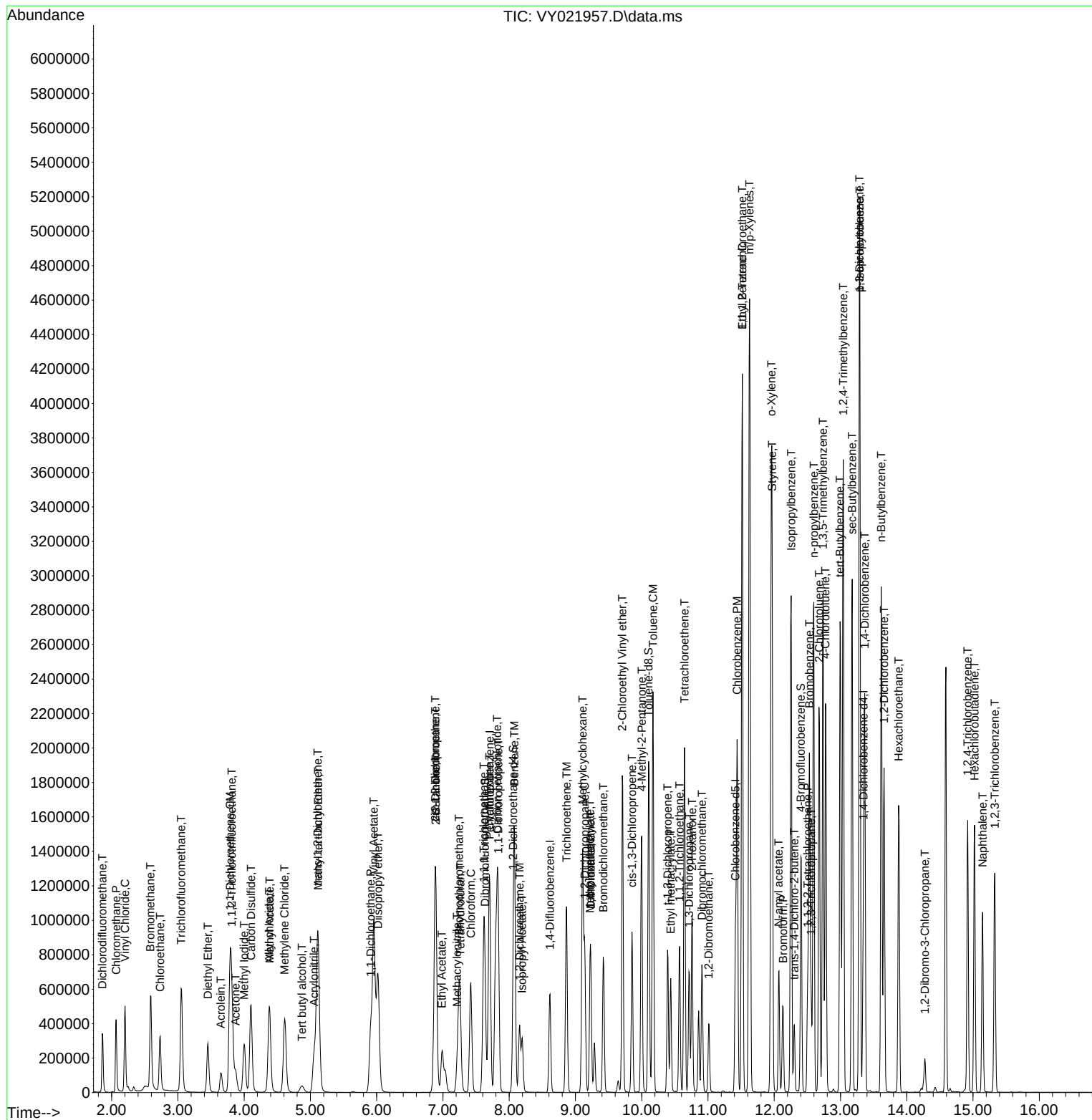
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021957.D
 Acq On : 22 Apr 2025 15:52
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Quant Time: Apr 23 02:12:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021958.D
 Acq On : 22 Apr 2025 16:15
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	355777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	536479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	502246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	256233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	455676	138.662	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 277.320%#			
35) Dibromofluoromethane	7.634	113	525659	148.312	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.620%#			
50) Toluene-d8	10.103	98	2029557	151.892	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 303.780%#			
62) 4-Bromofluorobenzene	12.402	95	688061	152.965	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 305.940%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	431961	142.488	ug/l	99
3) Chloromethane	2.068	50	531232	123.066	ug/l	98
4) Vinyl Chloride	2.202	62	690264	130.127	ug/l	99
5) Bromomethane	2.580	94	587136	128.474	ug/l	100
6) Chloroethane	2.727	64	457467	126.630	ug/l	100
7) Trichlorofluoromethane	3.050	101	968200	138.417	ug/l	98
8) Diethyl Ether	3.452	74	256284	140.770	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.812	101	520779	137.247	ug/l	99
10) Methyl Iodide	4.001	142	670370	152.592	ug/l	99
11) Tert butyl alcohol	4.866	59	132009	731.707	ug/l	98
12) 1,1-Dichloroethene	3.781	96	516411	146.010	ug/l	99
13) Acrolein	3.647	56	224148	692.230	ug/l	97
14) Allyl chloride	4.379	41	595004	144.481	ug/l	99
15) Acrylonitrile	5.055	53	471687	707.705	ug/l	99
16) Acetone	3.873	43	303420	747.934	ug/l	93
17) Carbon Disulfide	4.098	76	1556842	138.054	ug/l	99
18) Methyl Acetate	4.379	43	233664	152.216	ug/l	100
19) Methyl tert-butyl Ether	5.110	73	1210655	152.936	ug/l	98
20) Methylene Chloride	4.610	84	526924	126.805	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	568174	143.443	ug/l	96
22) Diisopropyl ether	6.019	45	1331652	145.303	ug/l	99
23) Vinyl Acetate	5.958	43	3706076	750.348	ug/l	99
24) 1,1-Dichloroethane	5.909	63	881143	138.707	ug/l	98
25) 2-Butanone	6.890	43	533125	711.701	ug/l	98
26) 2,2-Dichloropropane	6.884	77	797978	143.320	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	663284	149.760	ug/l	99
28) Bromochloromethane	7.244	49	335269	135.876	ug/l	93
29) Tetrahydrofuran	7.262	42	357581	734.980	ug/l	95
30) Chloroform	7.421	83	986793	140.042	ug/l	98
31) Cyclohexane	7.701	56	759349	139.782	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	903077	141.659	ug/l	99
36) 1,1-Dichloropropene	7.835	75	702870	147.634	ug/l	99
37) Ethyl Acetate	6.982	43	243196	144.169	ug/l	98
38) Carbon Tetrachloride	7.817	117	841409	147.902	ug/l	99
39) Methylcyclohexane	9.103	83	947546	158.153	ug/l	97
40) Benzene	8.079	78	2184995	146.818	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021958.D
 Acq On : 22 Apr 2025 16:15
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
 Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	135364	144.765	ug/l #	90
42) 1,2-Dichloroethane	8.152	62	522909	141.914	ug/l	100
43) Isopropyl Acetate	8.195	43	495904	151.020	ug/l #	85
44) Trichloroethene	8.866	130	603635	146.435	ug/l	99
45) 1,2-Dichloropropane	9.140	63	473210	143.782	ug/l	100
46) Dibromomethane	9.225	93	300473	145.844	ug/l	99
47) Bromodichloromethane	9.420	83	758771	147.426	ug/l	100
48) Methyl methacrylate	9.219	41	243168	160.190	ug/l	97
49) 1,4-Dioxane	9.225	88	66528	3029.677	ug/l	99
51) 4-Methyl-2-Pentanone	9.994	43	1331129	773.306	ug/l	99
52) Toluene	10.170	92	1470005	152.593	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	683926	154.922	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	804716	153.345	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	405335	147.287	ug/l	99
56) Ethyl methacrylate	10.439	69	530305	168.507	ug/l	99
57) 1,3-Dichloropropane	10.713	76	650614	147.471	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	1292633	840.076	ug/l	98
59) 2-Hexanone	10.756	43	896663	789.752	ug/l	99
60) Dibromochloromethane	10.908	129	574423	150.763	ug/l	100
61) 1,2-Dibromoethane	11.012	107	386950	148.938	ug/l	100
64) Tetrachloroethene	10.646	164	648295	136.828	ug/l	99
65) Chlorobenzene	11.438	112	1644879	146.452	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	584913	147.925	ug/l	100
67) Ethyl Benzene	11.518	91	2859582	155.641	ug/l	99
68) m/p-Xylenes	11.627	106	2270756	310.594	ug/l	99
69) o-Xylene	11.950	106	1079036	160.131	ug/l	99
70) Styrene	11.969	104	1821333	160.979	ug/l	100
71) Bromoform	12.127	173	345783	150.413	ug/l #	99
73) Isopropylbenzene	12.255	105	2766822	161.622	ug/l	99
74) N-amyl acetate	12.066	43	481095	163.570	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	428838	148.581	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	304860m	135.026	ug/l	
77) Bromobenzene	12.530	156	677176	156.545	ug/l	98
78) n-propylbenzene	12.591	91	3191904	156.567	ug/l	99
79) 2-Chlorotoluene	12.676	91	1838218	155.043	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	2227887	157.948	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	138838	152.337	ug/l	98
82) 4-Chlorotoluene	12.774	91	1879346	152.484	ug/l	99
83) tert-Butylbenzene	12.993	119	2076003	164.108	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	2263509	160.437	ug/l	100
85) sec-Butylbenzene	13.176	105	2910397	157.224	ug/l	99
86) p-Isopropyltoluene	13.292	119	2552924	162.413	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	1339029	152.409	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	1293200	148.621	ug/l	98
89) n-Butylbenzene	13.615	91	2244063	159.720	ug/l	99
90) Hexachloroethane	13.877	117	520392	150.683	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	1156637	150.940	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	66731	145.323	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	737198	169.770	ug/l	99
94) Hexachlorobutadiene	15.023	225	417808	156.384	ug/l	99
95) Naphthalene	15.145	128	1336140	185.231	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	634152	169.182	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021958.D
Acq On : 22 Apr 2025 16:15
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:13:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:02:03 2025
Response via : Initial Calibration

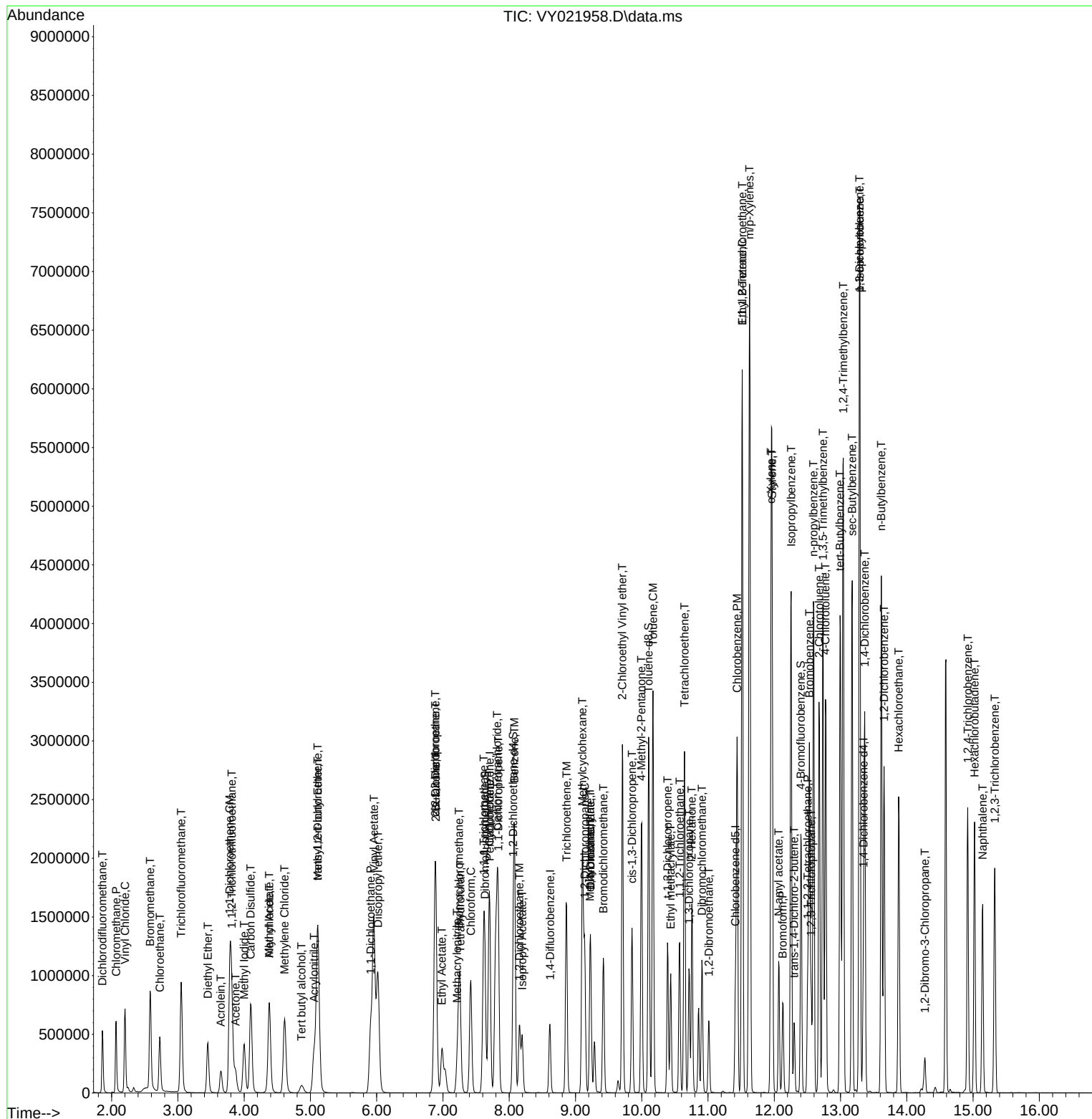
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/23/2025
Supervised By :Mahesh Dadoda 04/23/2025





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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.536		-9.61	20
Chloromethane	0.861	0.805	0.1	-6.5	20
Vinyl Chloride	0.822	0.759		-7.66	20
Bromomethane	0.370	0.461		24.59	20
Chloroethane	0.550	0.523		-4.91	20
Trichlorofluoromethane	0.911	0.869		-4.61	20
1,1,2-Trichlorotrifluoroethane	0.551	0.537		-2.54	20
1,1-Dichloroethene	0.588	0.557		-5.27	20
Acetone	0.290	0.278		-4.14	20
Carbon Disulfide	1.762	1.533		-13	20
Methyl tert-butyl Ether	2.163	2.360		9.11	20
Methyl Acetate	0.870	0.830		-4.6	20
Methylene Chloride	0.670	0.729		8.81	20
trans-1,2-Dichloroethene	0.615	0.632		2.76	20
1,1-Dichloroethane	1.201	1.259	0.1	4.83	20
Cyclohexane	1.175	0.999		-14.98	20
2-Butanone	0.451	0.469		3.99	20
Carbon Tetrachloride	0.441	0.442		0.23	20
cis-1,2-Dichloroethene	0.764	0.829		8.51	20
Bromochloromethane	0.509	0.533		4.72	20
Chloroform	1.180	1.306		10.68	20
1,1,1-Trichloroethane	1.009	1.049		3.96	20
Methylcyclohexane	0.551	0.492		-10.71	20
Benzene	1.485	1.541		3.77	20
1,2-Dichloroethane	0.474	0.533		12.45	20
Trichloroethene	0.352	0.372		5.68	20
1,2-Dichloropropane	0.364	0.382		4.95	20
Bromodichloromethane	0.500	0.559		11.8	20
4-Methyl-2-Pentanone	0.500	0.527		5.4	20
Toluene	0.927	0.979		5.61	20
t-1,3-Dichloropropene	0.558	0.627		12.37	20
cis-1,3-Dichloropropene	0.613	0.648		5.71	20
1,1,2-Trichloroethane	0.333	0.382		14.72	20
2-Hexanone	0.371	0.388		4.58	20
Dibromochloromethane	0.366	0.426		16.39	20
1,2-Dibromoethane	0.336	0.394		17.26	20
Tetrachloroethene	0.385	0.386		0.26	20
Chlorobenzene	1.116	1.173	0.3	5.11	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.999		-0.75	20
m/p-Xylenes	0.754	0.772		2.39	20
o-Xylene	0.746	0.767		2.82	20
Styrene	1.243	1.334		7.32	20
Bromoform	0.277	0.312	0.1	12.64	20
Isopropylbenzene	4.090	3.762		-8.02	20
1,1,2,2-Tetrachloroethane	1.176	1.187	0.3	0.94	20
1,3-Dichlorobenzene	1.704	1.787		4.87	20
1,4-Dichlorobenzene	1.716	1.810		5.48	20
1,2-Dichlorobenzene	1.652	1.755		6.24	20
1,2-Dibromo-3-Chloropropane	0.237	0.233		-1.69	20
1,2,4-Trichlorobenzene	0.791	0.848		7.21	20
1,2,3-Trichlorobenzene	0.749	0.800		6.81	20
1,2-Dichloroethane-d4	0.725	0.817		12.69	20
Dibromofluoromethane	0.232	0.264		13.79	20
Toluene-d8	1.240	1.280		3.23	20
4-Bromofluorobenzene	0.452	0.478		5.75	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\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 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 05/06/2025
 Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	154484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126143	56.310	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.620%	
35) Dibromofluoromethane	8.165	113	78358	56.788	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.580%	
50) Toluene-d8	10.565	98	380448	51.589	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.180%	
62) 4-Bromofluorobenzene	12.847	95	142048	52.810	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.620%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	82797	45.212	ug/l	97
3) Chloromethane	2.359	50	124341	46.718	ug/l	97
4) Vinyl Chloride	2.512	62	117200	46.145	ug/l	99
5) Bromomethane	2.953	94	71282	62.395	ug/l	99
6) Chloroethane	3.118	64	80740	47.499	ug/l	99
7) Trichlorofluoromethane	3.495	101	134221	47.709	ug/l	98
8) Diethyl Ether	3.953	74	64966	52.896	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	83015	48.778	ug/l	99
10) Methyl Iodide	4.589	142	114063	60.961	ug/l	100
11) Tert butyl alcohol	5.518	59	108474	265.389	ug/l	99
12) 1,1-Dichloroethene	4.342	96	86114	47.361	ug/l	98
13) Acrolein	4.177	56	68891	368.613	ug/l	96
14) Allyl chloride	5.024	41	142017	43.937	ug/l	94
15) Acrylonitrile	5.718	53	270801	268.011	ug/l	100
16) Acetone	4.424	43	215081	278.344	ug/l	99
17) Carbon Disulfide	4.712	76	236748	43.485	ug/l	98
18) Methyl Acetate	5.018	43	128186	47.670	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	364510	54.536	ug/l	99
20) Methylene Chloride	5.271	84	112578	54.360	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	97661	51.375	ug/l	97
22) Diisopropyl ether	6.671	45	363854	51.747	ug/l	98
23) Vinyl Acetate	6.600	43	1330427	270.668	ug/l	99
24) 1,1-Dichloroethane	6.571	63	194515	52.430	ug/l	100
25) 2-Butanone	7.477	43	362574	260.025	ug/l	98
26) 2,2-Dichloropropane	7.488	77	165135	49.713	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	128100	54.294	ug/l	95
28) Bromochloromethane	7.812	49	82364	52.359	ug/l	93
29) Tetrahydrofuran	7.835	42	240446	257.870	ug/l	97
30) Chloroform	7.965	83	201773	55.364	ug/l	98
31) Cyclohexane	8.253	56	154302	42.503	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	161979	51.955	ug/l	98
36) 1,1-Dichloropropene	8.371	75	132456	48.061	ug/l	99
37) Ethyl Acetate	7.559	43	144768	49.894	ug/l	100
38) Carbon Tetrachloride	8.359	117	131483	50.096	ug/l	97
39) Methylcyclohexane	9.600	83	146265	44.650	ug/l	99
40) Benzene	8.600	78	458081	51.877	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 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 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	87486	52.024	ug/l	98
42) 1,2-Dichloroethane	8.665	62	158498	56.287	ug/l	99
43) Isopropyl Acetate	8.682	43	281615	54.566	ug/l	100
44) Trichloroethene	9.347	130	110489	52.792	ug/l	97
45) 1,2-Dichloropropane	9.618	63	113518	52.519	ug/l	100
46) Dibromomethane	9.706	93	80677	58.582	ug/l	97
47) Bromodichloromethane	9.882	83	166167	55.865	ug/l	98
48) Methyl methacrylate	9.677	41	126557	49.669	ug/l	96
49) 1,4-Dioxane	9.694	88	46836	1080.631	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	783175	263.592	ug/l	98
52) Toluene	10.629	92	290954	52.807	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	186288	56.106	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	192540	52.796	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	113496	57.253	ug/l	95
56) Ethyl methacrylate	10.871	69	196399	53.899	ug/l	98
57) 1,3-Dichloropropane	11.159	76	197019	56.016	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	412328	238.408	ug/l	98
59) 2-Hexanone	11.194	43	576127	261.423	ug/l	99
60) Dibromochloromethane	11.359	129	126605	58.161	ug/l	98
61) 1,2-Dibromoethane	11.465	107	117011	58.498	ug/l	100
64) Tetrachloroethene	11.100	164	106562	50.118	ug/l	99
65) Chlorobenzene	11.888	112	324322	52.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	110992	54.541	ug/l	99
67) Ethyl Benzene	11.959	91	552537	49.637	ug/l	99
68) m/p-Xylenes	12.070	106	426898	102.350	ug/l	98
69) o-Xylene	12.394	106	211945	51.383	ug/l	99
70) Styrene	12.406	104	368683	53.644	ug/l	99
71) Bromoform	12.576	173	86154	56.230	ug/l #	98
73) Isopropylbenzene	12.694	105	503533	45.987	ug/l	99
74) N-amyl acetate	12.488	43	248033	45.503	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	158899	50.472	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	152035m	48.132	ug/l	
77) Bromobenzene	12.976	156	128740	53.065	ug/l	93
78) n-propylbenzene	13.035	91	597398	46.301	ug/l	100
79) 2-Chlorotoluene	13.123	91	388583	48.130	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	426330	47.572	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	68858	52.354	ug/l	87
82) 4-Chlorotoluene	13.217	91	394754	49.221	ug/l	99
83) tert-Butylbenzene	13.435	119	353792	45.561	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	445744	48.864	ug/l	99
85) sec-Butylbenzene	13.612	105	493958	45.861	ug/l	100
86) p-Isopropyltoluene	13.723	119	425158	47.890	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	239188	52.446	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	242338	52.755	ug/l	98
89) n-Butylbenzene	14.053	91	366963	46.633	ug/l	99
90) Hexachloroethane	14.329	117	69887	46.800	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	234928	53.131	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31129	49.038	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	113531	53.621	ug/l	99
94) Hexachlorobutadiene	15.494	225	36952	46.233	ug/l	100
95) Naphthalene	15.635	128	385090	51.308	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	107122	53.440	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 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 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

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

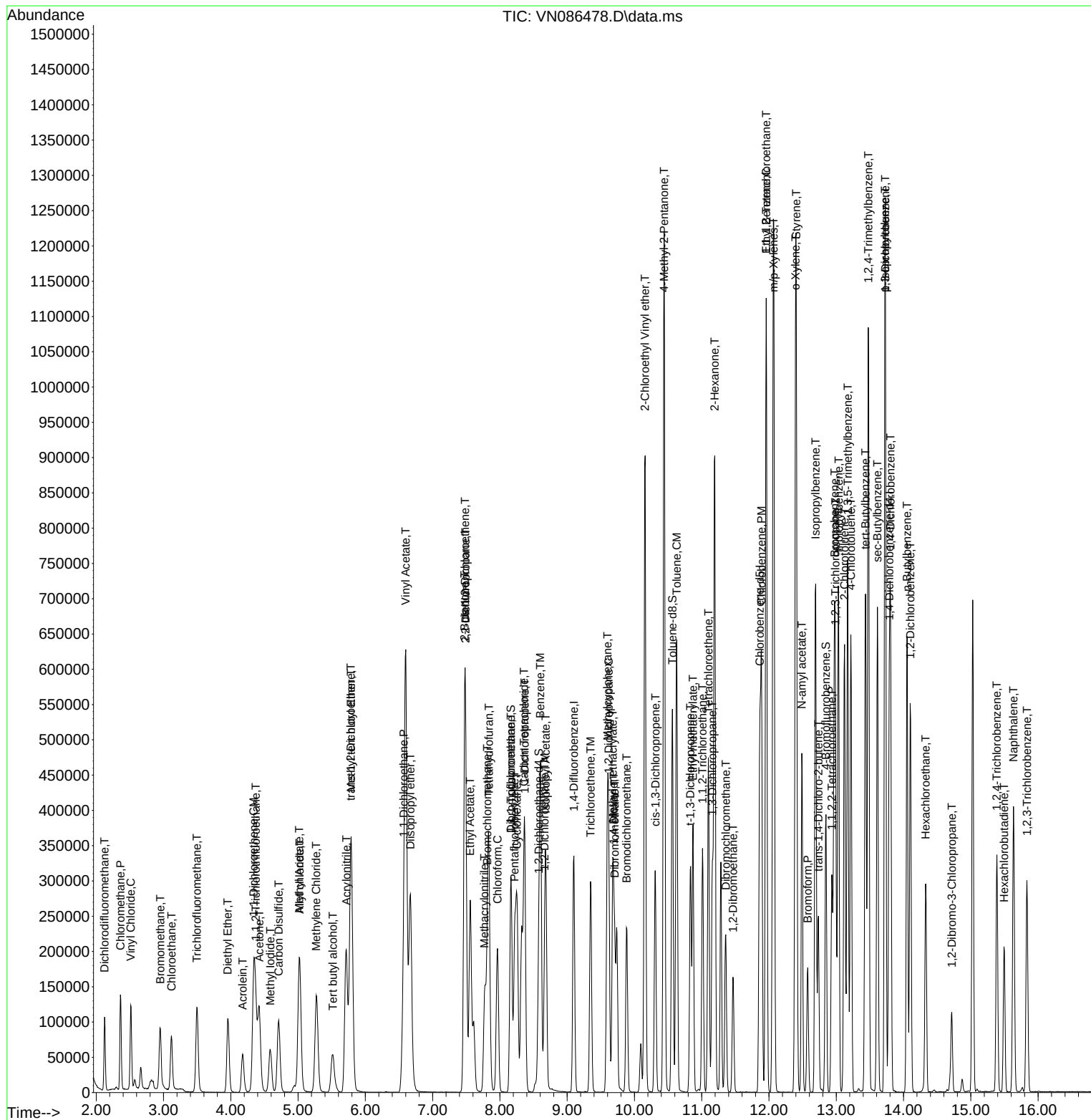
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 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: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	69	0.00
2 T	Dichlorodifluoromethane	0.593	0.536	9.6	63	0.00
3 P	Chloromethane	0.861	0.805	6.5	74	0.00
4 C	Vinyl Chloride	0.822	0.759	7.7#	66	0.00
5 T	Bromomethane	0.370	0.461	-24.6	90	0.00
6 T	Chloroethane	0.550	0.523	4.9	72	0.00
7 T	Trichlorofluoromethane	0.911	0.869	4.6	70	0.00
8 T	Diethyl Ether	0.398	0.421	-5.8	78	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.537	2.5	71	0.00
10 T	Methyl Iodide	0.606	0.738	-21.8	85	0.00
11 T	Tert butyl alcohol	0.132	0.140	-6.1	78	0.00
12 CM	1,1-Dichloroethene	0.588	0.557	5.3#	70	0.00
13 T	Acrolein	0.075	0.089	-18.7	101	0.00
14 T	Allyl chloride	1.046	0.919	12.1	68	0.00
15 T	Acrylonitrile	0.327	0.351	-7.3	76	0.00
16 T	Acetone	0.290	0.278	4.1	77	0.00
17 T	Carbon Disulfide	1.762	1.533	13.0	68	0.00
18 T	Methyl Acetate	0.870	0.830	4.6	73	0.00
19 T	Methyl tert-butyl Ether	2.163	2.360	-9.1	81	0.00
20 T	Methylene Chloride	0.670	0.729	-8.8	81	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.632	-2.8	76	0.00
22 T	Diisopropyl ether	2.276	2.355	-3.5	77	0.00
23 T	Vinyl Acetate	1.591	1.722	-8.2	80	0.00
24 P	1,1-Dichloroethane	1.201	1.259	-4.8	77	0.00
25 T	2-Butanone	0.451	0.469	-4.0	76	0.00
26 T	2,2-Dichloropropane	1.075	1.069	0.6	75	0.00
27 T	cis-1,2-Dichloroethene	0.764	0.829	-8.5	80	0.00
28 T	Bromochloromethane	0.509	0.533	-4.7	74	0.00
29 T	Tetrahydrofuran	0.302	0.311	-3.0	77	0.00
30 C	Chloroform	1.180	1.306	-10.7#	82	0.00
31 T	Cyclohexane	1.175	0.999	15.0	65	0.00
32 T	1,1,1-Trichloroethane	1.009	1.049	-4.0	76	0.00
33 S	1,2-Dichloroethane-d4	0.725	0.817	-12.7	78	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
35 S	Dibromofluoromethane	0.232	0.264	-13.8	88	0.00
36 T	1,1-Dichloropropene	0.463	0.446	3.7	72	0.00
37 T	Ethyl Acetate	0.488	0.487	0.2	78	0.00
38 T	Carbon Tetrachloride	0.441	0.442	-0.2	75	0.00
39 T	Methylcyclohexane	0.551	0.492	10.7	67	0.00
40 TM	Benzene	1.485	1.541	-3.8	79	0.00
41 T	Methacrylonitrile	0.283	0.294	-3.9	80	0.00
42 TM	1,2-Dichloroethane	0.474	0.533	-12.4	86	0.00
43 T	Isopropyl Acetate	1.177	0.947	19.5	79	0.00
44 TM	Trichloroethene	0.352	0.372	-5.7	79	0.00
45 C	1,2-Dichloropropane	0.364	0.382	-4.9#	79	0.00
46 T	Dibromomethane	0.232	0.271	-16.8	86	0.00
47 T	Bromodichloromethane	0.500	0.559	-11.8	84	0.00
48 T	Methyl methacrylate	0.429	0.426	0.7	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 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: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	0.007	0.008	-14.3	87	0.00
50 S	Toluene-d8	1.240	1.280	-3.2	73	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.527	-5.4	78	0.00
52 CM	Toluene	0.927	0.979	-5.6#	79	0.00
53 T	t-1,3-Dichloropropene	0.558	0.627	-12.4	82	0.00
54 T	cis-1,3-Dichloropropene	0.613	0.648	-5.7	81	0.00
55 T	1,1,2-Trichloroethane	0.333	0.382	-14.7	86	0.00
56 T	Ethyl methacrylate	0.613	0.661	-7.8	82	0.00
57 T	1,3-Dichloropropane	0.592	0.663	-12.0	84	0.00
58 T	2-Chloroethyl Vinyl ether	0.291	0.277	4.8	69	0.00
59 T	2-Hexanone	0.371	0.388	-4.6	78	0.00
60 T	Dibromochloromethane	0.366	0.426	-16.4	87	0.00
61 T	1,2-Dibromoethane	0.336	0.394	-17.3	87	0.00
62 S	4-Bromofluorobenzene	0.452	0.478	-5.8	75	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
64 T	Tetrachloroethene	0.385	0.386	-0.3	78	0.00
65 PM	Chlorobenzene	1.116	1.173	-5.1	84	0.00
66 T	1,1,1,2-Tetrachloroethane	0.368	0.402	-9.2	87	0.00
67 C	Ethyl Benzene	2.014	1.999	0.7#	78	0.00
68 T	m/p-Xylenes	0.754	0.772	-2.4	80	0.00
69 T	o-Xylene	0.746	0.767	-2.8	81	0.00
70 T	Styrene	1.243	1.334	-7.3	82	0.00
71 P	Bromoform	0.277	0.312	-12.6	90	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73 T	Isopropylbenzene	4.090	3.762	8.0	78	0.00
74 T	N-amyl acetate	2.036	1.853	9.0	80	0.00
75 P	1,1,2,2-Tetrachloroethane	1.176	1.187	-0.9	88	0.00
76 T	1,2,3-Trichloropropane	1.180	1.136	3.7	84	0.00
77 T	Bromobenzene	0.906	0.962	-6.2	87	0.00
78 T	n-propylbenzene	4.820	4.463	7.4	77	0.00
79 T	2-Chlorotoluene	3.016	2.903	3.7	81	0.00
80 T	1,3,5-Trimethylbenzene	3.348	3.185	4.9	80	0.00
81 T	trans-1,4-Dichloro-2-butene	0.491	0.514	-4.7	86	0.00
82 T	4-Chlorotoluene	2.996	2.949	1.6	81	0.00
83 T	tert-Butylbenzene	2.901	2.643	8.9	78	0.00
84 T	1,2,4-Trimethylbenzene	3.408	3.330	2.3	81	0.00
85 T	sec-Butylbenzene	4.023	3.690	8.3	76	0.00
86 T	p-Isopropyltoluene	3.316	3.176	4.2	78	0.00
87 T	1,3-Dichlorobenzene	1.704	1.787	-4.9	86	0.00
88 T	1,4-Dichlorobenzene	1.716	1.810	-5.5	86	0.00
89 T	n-Butylbenzene	2.939	2.742	6.7	74	0.00
90 T	Hexachloroethane	0.558	0.522	6.5	78	0.00
91 T	1,2-Dichlorobenzene	1.652	1.755	-6.2	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.233	1.7	81	0.00
93 T	1,2,4-Trichlorobenzene	0.791	0.848	-7.2	85	0.00
94 T	Hexachlorobutadiene	0.299	0.276	7.7	76	0.00
95 T	Naphthalene	2.804	2.877	-2.6	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 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: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	0.749	0.800	-6.8	87	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 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: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	69	0.00
2 T	Dichlorodifluoromethane	50.000	45.212	9.6	63	0.00
3 P	Chloromethane	50.000	46.718	6.6	74	0.00
4 C	Vinyl Chloride	50.000	46.145	7.7#	66	0.00
5 T	Bromomethane	50.000	62.395	-24.8	90	0.00
6 T	Chloroethane	50.000	47.499	5.0	72	0.00
7 T	Trichlorofluoromethane	50.000	47.709	4.6	70	0.00
8 T	Diethyl Ether	50.000	52.896	-5.8	78	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.778	2.4	71	0.00
10 T	Methyl Iodide	50.000	60.961	-21.9	85	0.00
11 T	Tert butyl alcohol	250.000	265.389	-6.2	78	0.00
12 CM	1,1-Dichloroethene	50.000	47.361	5.3#	70	0.00
13 T	Acrolein	250.000	368.613	-47.4#	101	0.00
14 T	Allyl chloride	50.000	43.937	12.1	68	0.00
15 T	Acrylonitrile	250.000	268.011	-7.2	76	0.00
16 T	Acetone	250.000	278.344	-11.3	77	0.00
17 T	Carbon Disulfide	50.000	43.485	13.0	68	0.00
18 T	Methyl Acetate	50.000	47.670	4.7	73	0.00
19 T	Methyl tert-butyl Ether	50.000	54.536	-9.1	81	0.00
20 T	Methylene Chloride	50.000	54.360	-8.7	81	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.375	-2.8	76	0.00
22 T	Diisopropyl ether	50.000	51.747	-3.5	77	0.00
23 T	Vinyl Acetate	250.000	270.668	-8.3	80	0.00
24 P	1,1-Dichloroethane	50.000	52.430	-4.9	77	0.00
25 T	2-Butanone	250.000	260.025	-4.0	76	0.00
26 T	2,2-Dichloropropane	50.000	49.713	0.6	75	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.294	-8.6	80	0.00
28 T	Bromochloromethane	50.000	52.359	-4.7	74	0.00
29 T	Tetrahydrofuran	250.000	257.870	-3.1	77	0.00
30 C	Chloroform	50.000	55.364	-10.7#	82	0.00
31 T	Cyclohexane	50.000	42.503	15.0	65	0.00
32 T	1,1,1-Trichloroethane	50.000	51.955	-3.9	76	0.00
33 S	1,2-Dichloroethane-d4	50.000	56.310	-12.6	78	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	72	0.00
35 S	Dibromofluoromethane	50.000	56.788	-13.6	88	0.00
36 T	1,1-Dichloropropene	50.000	48.061	3.9	72	0.00
37 T	Ethyl Acetate	50.000	49.894	0.2	78	0.00
38 T	Carbon Tetrachloride	50.000	50.096	-0.2	75	0.00
39 T	Methylcyclohexane	50.000	44.650	10.7	67	0.00
40 TM	Benzene	50.000	51.877	-3.8	79	0.00
41 T	Methacrylonitrile	50.000	52.024	-4.0	80	0.00
42 TM	1,2-Dichloroethane	50.000	56.287	-12.6	86	0.00
43 T	Isopropyl Acetate	50.000	54.566	-9.1	79	0.00
44 TM	Trichloroethene	50.000	52.792	-5.6	79	0.00
45 C	1,2-Dichloropropane	50.000	52.519	-5.0#	79	0.00
46 T	Dibromomethane	50.000	58.582	-17.2	86	0.00
47 T	Bromodichloromethane	50.000	55.865	-11.7	84	0.00
48 T	Methyl methacrylate	50.000	49.669	0.7	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 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: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	1080.631	-8.1	87	0.00
50 S	Toluene-d8	50.000	51.589	-3.2	73	0.00
51 T	4-Methyl-2-Pentanone	250.000	263.592	-5.4	78	0.00
52 CM	Toluene	50.000	52.807	-5.6#	79	0.00
53 T	t-1,3-Dichloropropene	50.000	56.106	-12.2	82	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.796	-5.6	81	0.00
55 T	1,1,2-Trichloroethane	50.000	57.253	-14.5	86	0.00
56 T	Ethyl methacrylate	50.000	53.899	-7.8	82	0.00
57 T	1,3-Dichloropropane	50.000	56.016	-12.0	84	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	238.408	4.6	69	0.00
59 T	2-Hexanone	250.000	261.423	-4.6	78	0.00
60 T	Dibromochloromethane	50.000	58.161	-16.3	87	0.00
61 T	1,2-Dibromoethane	50.000	58.498	-17.0	87	0.00
62 S	4-Bromofluorobenzene	50.000	52.810	-5.6	75	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	75	0.00
64 T	Tetrachloroethene	50.000	50.118	-0.2	78	0.00
65 PM	Chlorobenzene	50.000	52.576	-5.2	84	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.541	-9.1	87	0.00
67 C	Ethyl Benzene	50.000	49.637	0.7#	78	0.00
68 T	m/p-Xylenes	100.000	102.350	-2.3	80	0.00
69 T	o-Xylene	50.000	51.383	-2.8	81	0.00
70 T	Styrene	50.000	53.644	-7.3	82	0.00
71 P	Bromoform	50.000	56.230	-12.5	90	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73 T	Isopropylbenzene	50.000	45.987	8.0	78	0.00
74 T	N-amyl acetate	50.000	45.503	9.0	80	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.472	-0.9	88	0.00
76 T	1,2,3-Trichloropropane	50.000	48.132	3.7	84	0.00
77 T	Bromobenzene	50.000	53.065	-6.1	87	0.00
78 T	n-propylbenzene	50.000	46.301	7.4	77	0.00
79 T	2-Chlorotoluene	50.000	48.130	3.7	81	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.572	4.9	80	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.354	-4.7	86	0.00
82 T	4-Chlorotoluene	50.000	49.221	1.6	81	0.00
83 T	tert-Butylbenzene	50.000	45.561	8.9	78	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.864	2.3	81	0.00
85 T	sec-Butylbenzene	50.000	45.861	8.3	76	0.00
86 T	p-Isopropyltoluene	50.000	47.890	4.2	78	0.00
87 T	1,3-Dichlorobenzene	50.000	52.446	-4.9	86	0.00
88 T	1,4-Dichlorobenzene	50.000	52.755	-5.5	86	0.00
89 T	n-Butylbenzene	50.000	46.633	6.7	74	0.00
90 T	Hexachloroethane	50.000	46.800	6.4	78	0.00
91 T	1,2-Dichlorobenzene	50.000	53.131	-6.3	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.038	1.9	81	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.621	-7.2	85	0.00
94 T	Hexachlorobutadiene	50.000	46.233	7.5	76	0.00
95 T	Naphthalene	50.000	51.308	-2.6	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 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: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	53.440	-6.9	87	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/06/2025 10:35

Lab File ID: VN086504.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.516		-12.98	20
Chloromethane	0.861	0.689	0.1	-19.98	20
Vinyl Chloride	0.822	0.657		-20.07	20
Bromomethane	0.370	0.402		8.65	20
Chloroethane	0.550	0.451		-18	20
Trichlorofluoromethane	0.911	0.858		-5.82	20
1,1,2-Trichlorotrifluoroethane	0.551	0.522		-5.26	20
1,1-Dichloroethene	0.588	0.522		-11.22	20
Acetone	0.290	0.245		-15.52	20
Carbon Disulfide	1.762	1.369		-22.3	20
Methyl tert-butyl Ether	2.163	2.165		0.09	20
Methyl Acetate	0.870	0.727		-16.44	20
Methylene Chloride	0.670	0.662		-1.19	20
trans-1,2-Dichloroethene	0.615	0.591		-3.9	20
1,1-Dichloroethane	1.201	1.115	0.1	-7.16	20
Cyclohexane	1.175	0.920		-21.7	20
2-Butanone	0.451	0.405		-10.2	20
Carbon Tetrachloride	0.441	0.447		1.36	20
cis-1,2-Dichloroethene	0.764	0.771		0.92	20
Bromochloromethane	0.509	0.438		-13.95	20
Chloroform	1.180	1.187		0.59	20
1,1,1-Trichloroethane	1.009	0.973		-3.57	20
Methylcyclohexane	0.551	0.494		-10.35	20
Benzene	1.485	1.462		-1.55	20
1,2-Dichloroethane	0.474	0.511		7.81	20
Trichloroethene	0.352	0.379		7.67	20
1,2-Dichloropropane	0.364	0.360		-1.1	20
Bromodichloromethane	0.500	0.542		8.4	20
4-Methyl-2-Pentanone	0.500	0.480		-4	20
Toluene	0.927	0.953		2.81	20
t-1,3-Dichloropropene	0.558	0.591		5.91	20
cis-1,3-Dichloropropene	0.613	0.628		2.45	20
1,1,2-Trichloroethane	0.333	0.362		8.71	20
2-Hexanone	0.371	0.352		-5.12	20
Dibromochloromethane	0.366	0.419		14.48	20
1,2-Dibromoethane	0.336	0.376		11.9	20
Tetrachloroethene	0.385	0.415		7.79	20
Chlorobenzene	1.116	1.152	0.3	3.23	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/06/2025 10:35

Lab File ID: VN086504.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.981		-1.64	20
m/p-Xylenes	0.754	0.762		1.06	20
o-Xylene	0.746	0.762		2.14	20
Styrene	1.243	1.312		5.55	20
Bromoform	0.277	0.306	0.1	10.47	20
Isopropylbenzene	4.090	3.729		-8.83	20
1,1,2,2-Tetrachloroethane	1.176	1.085	0.3	-7.74	20
1,3-Dichlorobenzene	1.704	1.774		4.11	20
1,4-Dichlorobenzene	1.716	1.798		4.78	20
1,2-Dichlorobenzene	1.652	1.724		4.36	20
1,2-Dibromo-3-Chloropropane	0.237	0.214		-9.7	20
1,2,4-Trichlorobenzene	0.791	0.816		3.16	20
1,2,3-Trichlorobenzene	0.749	0.767		2.4	20
1,2-Dichloroethane-d4	0.725	0.698		-3.72	20
Dibromofluoromethane	0.232	0.250		7.76	20
Toluene-d8	1.240	1.178		-5	20
4-Bromofluorobenzene	0.452	0.460		1.77	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\VN050625\
 Data File : VN086504.D
 Acq On : 06 May 2025 10:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/07/2025
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:53:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	186971	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	338775	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	314072	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155373	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130550	48.151	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.300%
35) Dibromofluoromethane	8.165	113	84639	53.831	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.660%
50) Toluene-d8	10.565	98	399114	47.496	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.000%
62) 4-Bromofluorobenzene	12.847	95	155922	50.872	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.740%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.124	85	96414	43.500	ug/l 98
3) Chloromethane	2.360	50	128807	39.987	ug/l 96
4) Vinyl Chloride	2.512	62	122759	39.936	ug/l 98
5) Bromomethane	2.954	94	75110	54.322	ug/l 96
6) Chloroethane	3.118	64	84296	40.974	ug/l 99
7) Trichlorofluoromethane	3.501	101	160328	47.087	ug/l 99
8) Diethyl Ether	3.959	74	73202	49.246	ug/l 88
9) 1,1,2-Trichlorotrifluo...	4.371	101	97567	47.367	ug/l 97
10) Methyl Iodide	4.583	142	128968	56.950	ug/l 98
11) Tert butyl alcohol	5.512	59	113258	228.947	ug/l 100
12) 1,1-Dichloroethene	4.342	96	97515	44.312	ug/l 99
13) Acrolein	4.177	56	67136	293.679	ug/l 96
14) Allyl chloride	5.024	41	153180	39.156	ug/l 93
15) Acrylonitrile	5.712	53	287153	234.814	ug/l 99
16) Acetone	4.424	43	229166	244.342	ug/l 99
17) Carbon Disulfide	4.712	76	255907	38.837	ug/l 98
18) Methyl Acetate	5.018	43	135966	41.778	ug/l 96
19) Methyl tert-butyl Ether	5.795	73	404824	50.044	ug/l 98
20) Methylene Chloride	5.271	84	123698	49.351	ug/l 94
21) trans-1,2-Dichloroethene	5.783	96	110590	48.068	ug/l 91
22) Diisopropyl ether	6.671	45	385514	45.301	ug/l 97
23) Vinyl Acetate	6.600	43	1390916	233.806	ug/l 97
24) 1,1-Dichloroethane	6.565	63	208432	46.419	ug/l 99
25) 2-Butanone	7.477	43	378939	224.541	ug/l 96
26) 2,2-Dichloropropane	7.489	77	187192	46.561	ug/l 99
27) cis-1,2-Dichloroethene	7.483	96	144092	50.460	ug/l 93
28) Bromochloromethane	7.812	49	81811	42.971	ug/l 86
29) Tetrahydrofuran	7.836	42	249166	220.791	ug/l 94
30) Chloroform	7.959	83	221894	50.306	ug/l 99
31) Cyclohexane	8.253	56	171927	39.129	ug/l 94
32) 1,1,1-Trichloroethane	8.165	97	181942	48.218	ug/l 99
36) 1,1-Dichloropropene	8.371	75	147497	46.967	ug/l 98
37) Ethyl Acetate	7.553	43	152654	46.172	ug/l 99
38) Carbon Tetrachloride	8.359	117	151505	50.659	ug/l 99
39) Methylcyclohexane	9.594	83	167497	44.873	ug/l 98
40) Benzene	8.600	78	495357	49.232	ug/l 99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086504.D
 Acq On : 06 May 2025 10:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/07/2025
 Supervised By :Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:53:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	88517	46.194	ug/l	96
42) 1,2-Dichloroethane	8.665	62	173196	53.978	ug/l	100
43) Isopropyl Acetate	8.683	43	281871	47.497	ug/l	96
44) Trichloroethene	9.347	130	128400	53.841	ug/l	95
45) 1,2-Dichloropropane	9.618	63	121835	49.467	ug/l	99
46) Dibromomethane	9.706	93	88683	56.513	ug/l	96
47) Bromodichloromethane	9.883	83	183659	54.188	ug/l	97
48) Methyl methacrylate	9.677	41	132393	45.599	ug/l	94
49) 1,4-Dioxane	9.694	88	51227	1037.266	ug/l	93
51) 4-Methyl-2-Pentanone	10.441	43	813318	240.230	ug/l	98
52) Toluene	10.630	92	323020	51.451	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	200053	52.877	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	212799	51.209	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	122629	54.288	ug/l	96
56) Ethyl methacrylate	10.871	69	210673	50.739	ug/l	97
57) 1,3-Dichloropropane	11.159	76	210645	52.560	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	422017	214.142	ug/l	96
59) 2-Hexanone	11.194	43	597003	237.737	ug/l	98
60) Dibromochloromethane	11.353	129	141817	57.174	ug/l	99
61) 1,2-Dibromoethane	11.465	107	127362	55.879	ug/l	99
64) Tetrachloroethene	11.100	164	130234	53.908	ug/l	98
65) Chlorobenzene	11.888	112	361793	51.618	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	123598	53.454	ug/l	99
67) Ethyl Benzene	11.959	91	622129	49.188	ug/l	100
68) m/p-Xylenes	12.065	106	478687	101.007	ug/l	97
69) o-Xylene	12.394	106	239320	51.063	ug/l	97
70) Styrene	12.406	104	412138	52.777	ug/l	99
71) Bromoform	12.576	173	96103	55.203	ug/l #	99
73) Isopropylbenzene	12.688	105	579388	45.586	ug/l	99
74) N-amyl acetate	12.488	43	252471	39.902	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	168619	46.141	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	164079m	44.750	ug/l	
77) Bromobenzene	12.976	156	149126	52.953	ug/l	90
78) n-propylbenzene	13.029	91	680807	45.457	ug/l	99
79) 2-Chlorotoluene	13.124	91	438870	46.829	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	485554	46.676	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	75202	49.258	ug/l	87
82) 4-Chlorotoluene	13.218	91	445950	47.903	ug/l	98
83) tert-Butylbenzene	13.435	119	410708	45.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	502742	47.478	ug/l	100
85) sec-Butylbenzene	13.612	105	569846	45.578	ug/l	98
86) p-Isopropyltoluene	13.723	119	490968	47.642	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	275607	52.061	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	279296	52.379	ug/l	98
89) n-Butylbenzene	14.053	91	419349	45.909	ug/l	99
90) Hexachloroethane	14.329	117	79373	45.790	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	267864	52.188	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	33271	45.153	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	126722	51.561	ug/l	98
94) Hexachlorobutadiene	15.494	225	44262	47.708	ug/l	99
95) Naphthalene	15.635	128	419212	48.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	119191	51.224	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

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

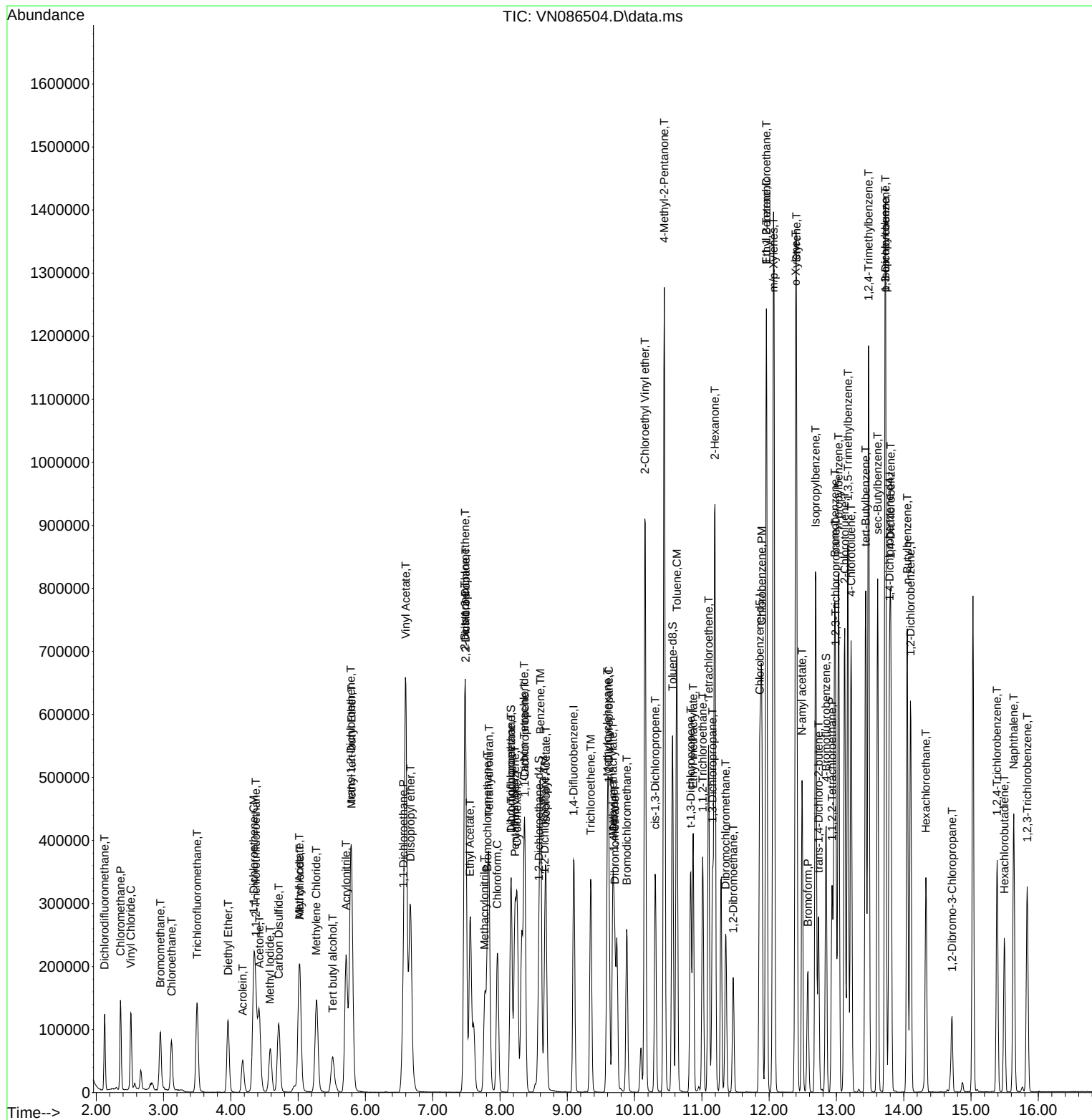
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086504.D
 Acq On : 06 May 2025 10:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 07 02:53:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	84	0.00
2 T	Dichlorodifluoromethane	0.593	0.516	13.0	73	0.00
3 P	Chloromethane	0.861	0.689	20.0	76	0.00
4 C	Vinyl Chloride	0.822	0.657	20.1#	69	0.00
5 T	Bromomethane	0.370	0.402	-8.6	94	0.00
6 T	Chloroethane	0.550	0.451	18.0	75	0.00
7 T	Trichlorofluoromethane	0.911	0.858	5.8	83	0.00
8 T	Diethyl Ether	0.398	0.392	1.5	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.522	5.3	83	0.00
10 T	Methyl Iodide	0.606	0.690	-13.9	96	0.00
11 T	Tert butyl alcohol	0.132	0.121	8.3	82	0.00
12 CM	1,1-Dichloroethene	0.588	0.522	11.2#	79	0.00
13 T	Acrolein	0.075	0.072	4.0	99	0.00
14 T	Allyl chloride	1.046	0.819	21.7	74	0.00
15 T	Acrylonitrile	0.327	0.307	6.1	81	0.00
16 T	Acetone	0.290	0.245	15.5	82	0.00
17 T	Carbon Disulfide	1.762	1.369	22.3	74	0.00
18 T	Methyl Acetate	0.870	0.727	16.4	78	0.00
19 T	Methyl tert-butyl Ether	2.163	2.165	-0.1	90	0.00
20 T	Methylene Chloride	0.670	0.662	1.2	89	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.591	3.9	86	0.00
22 T	Diisopropyl ether	2.276	2.062	9.4	82	0.00
23 T	Vinyl Acetate	1.591	1.488	6.5	84	0.00
24 P	1,1-Dichloroethane	1.201	1.115	7.2	82	0.00
25 T	2-Butanone	0.451	0.405	10.2	80	0.00
26 T	2,2-Dichloropropane	1.075	1.001	6.9	85	0.00
27 T	cis-1,2-Dichloroethene	0.764	0.771	-0.9	90	0.00
28 T	Bromochloromethane	0.509	0.438	13.9	74	0.00
29 T	Tetrahydrofuran	0.302	0.267	11.6	79	0.00
30 C	Chloroform	1.180	1.187	-0.6#	90	0.00
31 T	Cyclohexane	1.175	0.920	21.7	72	0.00
32 T	1,1,1-Trichloroethane	1.009	0.973	3.6	86	0.00
33 S	1,2-Dichloroethane-d4	0.725	0.698	3.7	81	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	82	0.00
35 S	Dibromofluoromethane	0.232	0.250	-7.8	95	0.00
36 T	1,1-Dichloropropene	0.463	0.435	6.0	80	0.00
37 T	Ethyl Acetate	0.488	0.451	7.6	83	0.00
38 T	Carbon Tetrachloride	0.441	0.447	-1.4	87	0.00
39 T	Methylcyclohexane	0.551	0.494	10.3	77	0.00
40 TM	Benzene	1.485	1.462	1.5	85	0.00
41 T	Methacrylonitrile	0.283	0.261	7.8	81	0.00
42 TM	1,2-Dichloroethane	0.474	0.511	-7.8	94	0.00
43 T	Isopropyl Acetate	1.177	0.832	29.3#	79	0.00
44 TM	Trichloroethene	0.352	0.379	-7.7	92	0.00
45 C	1,2-Dichloropropane	0.364	0.360	1.1#	84	0.00
46 T	Dibromomethane	0.232	0.262	-12.9	94	0.00
47 T	Bromodichloromethane	0.500	0.542	-8.4	93	0.00
48 T	Methyl methacrylate	0.429	0.391	8.9	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086504.D
 Acq On : 06 May 2025 10:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 07 02:53:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	0.007	0.008	-14.3	95	0.00
50 S	Toluene-d8	1.240	1.178	5.0	77	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.480	4.0	81	0.00
52 CM	Toluene	0.927	0.953	-2.8#	87	0.00
53 T	t-1,3-Dichloropropene	0.558	0.591	-5.9	88	0.00
54 T	cis-1,3-Dichloropropene	0.613	0.628	-2.4	89	0.00
55 T	1,1,2-Trichloroethane	0.333	0.362	-8.7	93	0.00
56 T	Ethyl methacrylate	0.613	0.622	-1.5	88	0.00
57 T	1,3-Dichloropropane	0.592	0.622	-5.1	90	0.00
58 T	2-Chloroethyl Vinyl ether	0.291	0.249	14.4	71	0.00
59 T	2-Hexanone	0.371	0.352	5.1	81	0.00
60 T	Dibromochloromethane	0.366	0.419	-14.5	97	0.00
61 T	1,2-Dibromoethane	0.336	0.376	-11.9	95	0.00
62 S	4-Bromofluorobenzene	0.452	0.460	-1.8	82	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
64 T	Tetrachloroethene	0.385	0.415	-7.8	96	0.00
65 PM	Chlorobenzene	1.116	1.152	-3.2	94	0.00
66 T	1,1,1,2-Tetrachloroethane	0.368	0.394	-7.1	97	0.00
67 C	Ethyl Benzene	2.014	1.981	1.6#	88	0.00
68 T	m/p-Xylenes	0.754	0.762	-1.1	90	0.00
69 T	o-Xylene	0.746	0.762	-2.1	91	0.00
70 T	Styrene	1.243	1.312	-5.6	92	0.00
71 P	Bromoform	0.277	0.306	-10.5	100	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
73 T	Isopropylbenzene	4.090	3.729	8.8	89	0.00
74 T	N-amyl acetate	2.036	1.625	20.2	82	0.00
75 P	1,1,2,2-Tetrachloroethane	1.176	1.085	7.7	94	0.00
76 T	1,2,3-Trichloropropane	1.180	1.056	10.5	91	0.00
77 T	Bromobenzene	0.906	0.960	-6.0	101	0.00
78 T	n-propylbenzene	4.820	4.382	9.1	87	0.00
79 T	2-Chlorotoluene	3.016	2.825	6.3	92	0.00
80 T	1,3,5-Trimethylbenzene	3.348	3.125	6.7	91	0.00
81 T	trans-1,4-Dichloro-2-butene	0.491	0.484	1.4	94	0.00
82 T	4-Chlorotoluene	2.996	2.870	4.2	91	0.00
83 T	tert-Butylbenzene	2.901	2.643	8.9	91	0.00
84 T	1,2,4-Trimethylbenzene	3.408	3.236	5.0	91	0.00
85 T	sec-Butylbenzene	4.023	3.668	8.8	87	0.00
86 T	p-Isopropyltoluene	3.316	3.160	4.7	90	0.00
87 T	1,3-Dichlorobenzene	1.704	1.774	-4.1	99	0.00
88 T	1,4-Dichlorobenzene	1.716	1.798	-4.8	100	0.00
89 T	n-Butylbenzene	2.939	2.699	8.2	85	0.00
90 T	Hexachloroethane	0.558	0.511	8.4	88	0.00
91 T	1,2-Dichlorobenzene	1.652	1.724	-4.4	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.214	9.7	86	0.00
93 T	1,2,4-Trichlorobenzene	0.791	0.816	-3.2	95	0.00
94 T	Hexachlorobutadiene	0.299	0.285	4.7	91	0.00
95 T	Naphthalene	2.804	2.698	3.8	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	0.749	0.767	-2.4	97	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086504.D
 Acq On : 06 May 2025 10:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 07 02:53:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	84	0.00
2 T	Dichlorodifluoromethane	50.000	43.500	13.0	73	0.00
3 P	Chloromethane	50.000	39.987	20.0	76	0.00
4 C	Vinyl Chloride	50.000	39.936	20.1#	69	0.00
5 T	Bromomethane	50.000	54.322	-8.6	94	0.00
6 T	Chloroethane	50.000	40.974	18.1	75	0.00
7 T	Trichlorofluoromethane	50.000	47.087	5.8	83	0.00
8 T	Diethyl Ether	50.000	49.246	1.5	87	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	47.367	5.3	83	0.00
10 T	Methyl Iodide	50.000	56.950	-13.9	96	0.00
11 T	Tert butyl alcohol	250.000	228.947	8.4	82	0.00
12 CM	1,1-Dichloroethene	50.000	44.312	11.4#	79	0.00
13 T	Acrolein	250.000	293.679	-17.5	99	0.00
14 T	Allyl chloride	50.000	39.156	21.7	74	0.00
15 T	Acrylonitrile	250.000	234.814	6.1	81	0.00
16 T	Acetone	250.000	244.342	2.3	82	0.00
17 T	Carbon Disulfide	50.000	38.837	22.3	74	0.00
18 T	Methyl Acetate	50.000	41.778	16.4	78	0.00
19 T	Methyl tert-butyl Ether	50.000	50.044	-0.1	90	0.00
20 T	Methylene Chloride	50.000	49.351	1.3	89	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.068	3.9	86	0.00
22 T	Diisopropyl ether	50.000	45.301	9.4	82	0.00
23 T	Vinyl Acetate	250.000	233.806	6.5	84	0.00
24 P	1,1-Dichloroethane	50.000	46.419	7.2	82	0.00
25 T	2-Butanone	250.000	224.541	10.2	80	0.00
26 T	2,2-Dichloropropane	50.000	46.561	6.9	85	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.460	-0.9	90	0.00
28 T	Bromochloromethane	50.000	42.971	14.1	74	0.00
29 T	Tetrahydrofuran	250.000	220.791	11.7	79	0.00
30 C	Chloroform	50.000	50.306	-0.6#	90	0.00
31 T	Cyclohexane	50.000	39.129	21.7	72	0.00
32 T	1,1,1-Trichloroethane	50.000	48.218	3.6	86	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.151	3.7	81	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	82	0.00
35 S	Dibromofluoromethane	50.000	53.831	-7.7	95	0.00
36 T	1,1-Dichloropropene	50.000	46.967	6.1	80	0.00
37 T	Ethyl Acetate	50.000	46.172	7.7	83	0.00
38 T	Carbon Tetrachloride	50.000	50.659	-1.3	87	0.00
39 T	Methylcyclohexane	50.000	44.873	10.3	77	0.00
40 TM	Benzene	50.000	49.232	1.5	85	0.00
41 T	Methacrylonitrile	50.000	46.194	7.6	81	0.00
42 TM	1,2-Dichloroethane	50.000	53.978	-8.0	94	0.00
43 T	Isopropyl Acetate	50.000	47.497	5.0	79	0.00
44 TM	Trichloroethene	50.000	53.841	-7.7	92	0.00
45 C	1,2-Dichloropropane	50.000	49.467	1.1#	84	0.00
46 T	Dibromomethane	50.000	56.513	-13.0	94	0.00
47 T	Bromodichloromethane	50.000	54.188	-8.4	93	0.00
48 T	Methyl methacrylate	50.000	45.599	8.8	81	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086504.D
 Acq On : 06 May 2025 10:35
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 07 02:53:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	1037.266	-3.7	95	0.00
50 S	Toluene-d8	50.000	47.496	5.0	77	0.00
51 T	4-Methyl-2-Pentanone	250.000	240.230	3.9	81	0.00
52 CM	Toluene	50.000	51.451	-2.9#	87	0.00
53 T	t-1,3-Dichloropropene	50.000	52.877	-5.8	88	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.209	-2.4	89	0.00
55 T	1,1,2-Trichloroethane	50.000	54.288	-8.6	93	0.00
56 T	Ethyl methacrylate	50.000	50.739	-1.5	88	0.00
57 T	1,3-Dichloropropane	50.000	52.560	-5.1	90	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	214.142	14.3	71	0.00
59 T	2-Hexanone	250.000	237.737	4.9	81	0.00
60 T	Dibromochloromethane	50.000	57.174	-14.3	97	0.00
61 T	1,2-Dibromoethane	50.000	55.879	-11.8	95	0.00
62 S	4-Bromofluorobenzene	50.000	50.872	-1.7	82	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	86	0.00
64 T	Tetrachloroethene	50.000	53.908	-7.8	96	0.00
65 PM	Chlorobenzene	50.000	51.618	-3.2	94	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	53.454	-6.9	97	0.00
67 C	Ethyl Benzene	50.000	49.188	1.6#	88	0.00
68 T	m/p-Xylenes	100.000	101.007	-1.0	90	0.00
69 T	o-Xylene	50.000	51.063	-2.1	91	0.00
70 T	Styrene	50.000	52.777	-5.6	92	0.00
71 P	Bromoform	50.000	55.203	-10.4	100	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	89	0.00
73 T	Isopropylbenzene	50.000	45.586	8.8	89	0.00
74 T	N-ethyl acetate	50.000	39.902	20.2	82	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.141	7.7	94	0.00
76 T	1,2,3-Trichloropropane	50.000	44.750	10.5	91	0.00
77 T	Bromobenzene	50.000	52.953	-5.9	101	0.00
78 T	n-propylbenzene	50.000	45.457	9.1	87	0.00
79 T	2-Chlorotoluene	50.000	46.829	6.3	92	0.00
80 T	1,3,5-Trimethylbenzene	50.000	46.676	6.6	91	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.258	1.5	94	0.00
82 T	4-Chlorotoluene	50.000	47.903	4.2	91	0.00
83 T	tert-Butylbenzene	50.000	45.565	8.9	91	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.478	5.0	91	0.00
85 T	sec-Butylbenzene	50.000	45.578	8.8	87	0.00
86 T	p-Isopropyltoluene	50.000	47.642	4.7	90	0.00
87 T	1,3-Dichlorobenzene	50.000	52.061	-4.1	99	0.00
88 T	1,4-Dichlorobenzene	50.000	52.379	-4.8	100	0.00
89 T	n-Butylbenzene	50.000	45.909	8.2	85	0.00
90 T	Hexachloroethane	50.000	45.790	8.4	88	0.00
91 T	1,2-Dichlorobenzene	50.000	52.188	-4.4	99	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.153	9.7	86	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.561	-3.1	95	0.00
94 T	Hexachlorobutadiene	50.000	47.708	4.6	91	0.00
95 T	Naphthalene	50.000	48.117	3.8	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086504.D
Acq On : 06 May 2025 10:35
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 07 02:53:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	51.224	-2.4	97	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/09/2025 11:00

Lab File ID: VN086553.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.554		-6.58	20
Chloromethane	0.861	0.818	0.1	-4.99	20
Vinyl Chloride	0.822	0.720		-12.41	20
Bromomethane	0.370	0.458		23.78	20
Chloroethane	0.550	0.502		-8.73	20
Trichlorofluoromethane	0.911	0.850		-6.7	20
1,1,2-Trichlorotrifluoroethane	0.551	0.499		-9.44	20
1,1-Dichloroethene	0.588	0.531		-9.69	20
Acetone	0.290	0.255		-12.07	20
Carbon Disulfide	1.762	1.520		-13.73	20
Methyl tert-butyl Ether	2.163	2.212		2.27	20
Methyl Acetate	0.870	0.693		-20.34	20
Methylene Chloride	0.670	0.700		4.48	20
trans-1,2-Dichloroethene	0.615	0.619		0.65	20
1,1-Dichloroethane	1.201	1.188	0.1	-1.08	20
Cyclohexane	1.175	0.915		-22.13	20
2-Butanone	0.451	0.421		-6.65	20
Carbon Tetrachloride	0.441	0.427		-3.17	20
cis-1,2-Dichloroethene	0.764	0.788		3.14	20
Bromochloromethane	0.509	0.572		12.38	20
Chloroform	1.180	1.227		3.98	20
1,1,1-Trichloroethane	1.009	0.980		-2.87	20
Methylcyclohexane	0.551	0.458		-16.88	20
Benzene	1.485	1.483		-0.14	20
1,2-Dichloroethane	0.474	0.505		6.54	20
Trichloroethene	0.352	0.355		0.85	20
1,2-Dichloropropane	0.364	0.364		0	20
Bromodichloromethane	0.500	0.535		7	20
4-Methyl-2-Pentanone	0.500	0.476		-4.8	20
Toluene	0.927	0.941		1.51	20
t-1,3-Dichloropropene	0.558	0.593		6.27	20
cis-1,3-Dichloropropene	0.613	0.613		0	20
1,1,2-Trichloroethane	0.333	0.363		9.01	20
2-Hexanone	0.371	0.351		-5.39	20
Dibromochloromethane	0.366	0.411		12.3	20
1,2-Dibromoethane	0.336	0.379		12.8	20
Tetrachloroethene	0.385	0.377		-2.08	20
Chlorobenzene	1.116	1.131	0.3	1.34	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_N Calibration Date/Time: 05/09/2025 11:00

Lab File ID: VN086553.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.922		-4.57	20
m/p-Xylenes	0.754	0.750		-0.53	20
o-Xylene	0.746	0.750		0.54	20
Styrene	1.243	1.284		3.3	20
Bromoform	0.277	0.292	0.1	5.41	20
Isopropylbenzene	4.090	3.486		-14.77	20
1,1,2,2-Tetrachloroethane	1.176	1.097	0.3	-6.72	20
1,3-Dichlorobenzene	1.704	1.686		-1.06	20
1,4-Dichlorobenzene	1.716	1.692		-1.4	20
1,2-Dichlorobenzene	1.652	1.638		-0.85	20
1,2-Dibromo-3-Chloropropane	0.237	0.205		-13.5	20
1,2,4-Trichlorobenzene	0.791	0.758		-4.17	20
1,2,3-Trichlorobenzene	0.749	0.716		-4.41	20
1,2-Dichloroethane-d4	0.725	0.756		4.28	20
Dibromofluoromethane	0.232	0.299		28.88	20
Toluene-d8	1.240	1.213		-2.18	20
4-Bromofluorobenzene	0.452	0.471		4.2	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\VN050925\
 Data File : VN086553.D
 Acq On : 09 May 2025 11:00
 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 05/12/2025
 Supervised By :Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:23:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	164970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	308838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124788	52.164	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.320%			
35) Dibromofluoromethane	8.165	113	92235	64.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 128.700%#			
50) Toluene-d8	10.565	98	374478	48.884	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.760%			
62) 4-Bromofluorobenzene	12.847	95	145456	52.058	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.120%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	91322	46.698	ug/l	98
3) Chloromethane	2.359	50	134987	47.494	ug/l	100
4) Vinyl Chloride	2.512	62	118785	43.797	ug/l	97
5) Bromomethane	2.953	94	75585	61.956	ug/l	96
6) Chloroethane	3.118	64	82777	45.602	ug/l	100
7) Trichlorofluoromethane	3.495	101	140189	46.663	ug/l	94
8) Diethyl Ether	3.959	74	67152	51.201	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.371	101	82252	45.258	ug/l	97
10) Methyl Iodide	4.583	142	121564	60.840	ug/l	99
11) Tert butyl alcohol	5.512	59	98909	226.606	ug/l	100
12) 1,1-Dichloroethene	4.342	96	87676	45.155	ug/l	96
13) Acrolein	4.171	56	80236	403.483	ug/l	96
14) Allyl chloride	5.024	41	144675	41.914	ug/l	96
15) Acrylonitrile	5.712	53	268596	248.931	ug/l	100
16) Acetone	4.418	43	210673	254.826	ug/l	99
17) Carbon Disulfide	4.712	76	250720	43.125	ug/l	99
18) Methyl Acetate	5.018	43	114266	39.792	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	364917	51.127	ug/l	99
20) Methylene Chloride	5.271	84	115441	52.199	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	102049	50.271	ug/l	94
22) Diisopropyl ether	6.665	45	357314	47.587	ug/l	97
23) Vinyl Acetate	6.600	43	1490829	284.022	ug/l	98
24) 1,1-Dichloroethane	6.565	63	195980	49.467	ug/l	99
25) 2-Butanone	7.477	43	347138	233.130	ug/l	97
26) 2,2-Dichloropropane	7.483	77	165108	46.545	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	129922	51.566	ug/l	94
28) Bromochloromethane	7.812	49	94310	56.142	ug/l	88
29) Tetrahydrofuran	7.836	42	229018	230.002	ug/l	95
30) Chloroform	7.965	83	202413	52.010	ug/l	100
31) Cyclohexane	8.253	56	150930	38.932	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	161704	48.570	ug/l	99
36) 1,1-Dichloropropene	8.365	75	130497	45.582	ug/l	98
37) Ethyl Acetate	7.553	43	142462	47.266	ug/l	100
38) Carbon Tetrachloride	8.359	117	131759	48.327	ug/l	99
39) Methylcyclohexane	9.594	83	141360	41.542	ug/l	97
40) Benzene	8.600	78	457856	49.916	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086553.D
 Acq On : 09 May 2025 11:00
 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 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:23:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	79722	45.637	ug/l	95
42) 1,2-Dichloroethane	8.665	62	155910	53.301	ug/l	100
43) Isopropyl Acetate	8.683	43	264977	49.084	ug/l	98
44) Trichloroethene	9.347	130	109599	50.412	ug/l	97
45) 1,2-Dichloropropane	9.618	63	112528	50.117	ug/l	100
46) Dibromomethane	9.706	93	79800	55.781	ug/l	95
47) Bromodichloromethane	9.882	83	165350	53.515	ug/l	99
48) Methyl methacrylate	9.677	41	119592	45.183	ug/l	94
49) 1,4-Dioxane	9.688	88	45216	1004.302	ug/l	94
51) 4-Methyl-2-Pentanone	10.441	43	734535	237.991	ug/l	97
52) Toluene	10.624	92	290733	50.797	ug/l	98
53) t-1,3-Dichloropropene	10.829	75	183037	53.069	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	189250	49.956	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	112050	54.413	ug/l	98
56) Ethyl methacrylate	10.871	69	189819	50.148	ug/l	98
57) 1,3-Dichloropropane	11.159	76	195084	53.395	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.153	63	402617	224.102	ug/l	96
59) 2-Hexanone	11.194	43	542701	237.062	ug/l	98
60) Dibromochloromethane	11.353	129	126954	56.143	ug/l	99
61) 1,2-Dibromoethane	11.465	107	116993	56.305	ug/l	100
64) Tetrachloroethene	11.100	164	108622	48.977	ug/l	99
65) Chlorobenzene	11.888	112	326231	50.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	109975	51.809	ug/l	99
67) Ethyl Benzene	11.959	91	554186	47.729	ug/l	100
68) m/p-Xylenes	12.065	106	432493	99.409	ug/l	97
69) o-Xylene	12.394	106	216292	50.271	ug/l	97
70) Styrene	12.406	104	370272	51.650	ug/l	99
71) Bromoform	12.576	173	84231	52.704	ug/l #	100
73) Isopropylbenzene	12.694	105	505719	42.615	ug/l	99
74) N-amyl acetate	12.488	43	235324	39.832	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.935	83	159094	46.626	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	151048m	44.121	ug/l	
77) Bromobenzene	12.976	156	133238	50.671	ug/l	92
78) n-propylbenzene	13.029	91	600610	42.950	ug/l	100
79) 2-Chlorotoluene	13.123	91	392304	44.833	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	430886	44.362	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	61938m	43.451	ug/l	
82) 4-Chlorotoluene	13.218	91	396861	45.657	ug/l	97
83) tert-Butylbenzene	13.435	119	359820	42.754	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	444269	44.935	ug/l	99
85) sec-Butylbenzene	13.612	105	496451	42.528	ug/l	99
86) p-Isopropyltoluene	13.723	119	427842	44.465	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	244634	49.491	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	245475	49.305	ug/l	98
89) n-Butylbenzene	14.053	91	361348	42.368	ug/l	99
90) Hexachloroethane	14.329	117	70415	43.507	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	237682	49.596	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29687	43.149	ug/l	91
93) 1,2,4-Trichlorobenzene	15.388	180	109897	47.890	ug/l	98
94) Hexachlorobutadiene	15.494	225	37832	43.673	ug/l	99
95) Naphthalene	15.635	128	370187	45.507	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	103927	47.836	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086553.D
Acq On : 09 May 2025 11:00
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 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

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

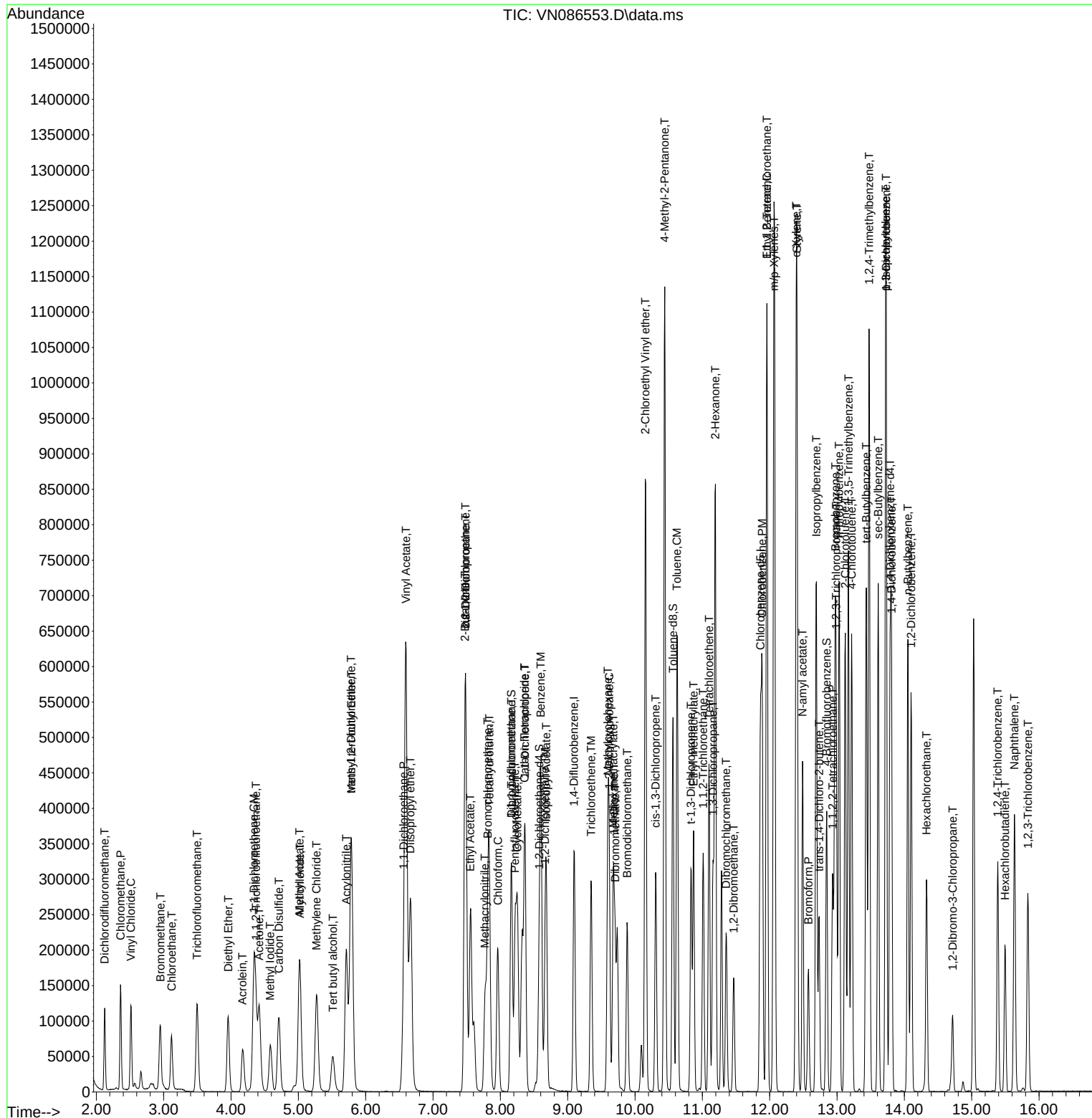
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086553.D
Acq On : 09 May 2025 11:00
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By : John Carlone 05/12/2025
Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086553.D
 Acq On : 09 May 2025 11:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 09 23:23:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	74	0.00
2 T	Dichlorodifluoromethane	0.593	0.554	6.6	69	0.00
3 P	Chloromethane	0.861	0.818	5.0	80	0.00
4 C	Vinyl Chloride	0.822	0.720	12.4#	67	0.00
5 T	Bromomethane	0.370	0.458	-23.8	95	0.00
6 T	Chloroethane	0.550	0.502	8.7	74	0.00
7 T	Trichlorofluoromethane	0.911	0.850	6.7	73	0.00
8 T	Diethyl Ether	0.398	0.407	-2.3	80	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.499	9.4	70	0.00
10 T	Methyl Iodide	0.606	0.737	-21.6	91	0.00
11 T	Tert butyl alcohol	0.132	0.120	9.1	71	0.00
12 CM	1,1-Dichloroethene	0.588	0.531	9.7#	71	0.00
13 T	Acrolein	0.075	0.097	-29.3#	118	0.00
14 T	Allyl chloride	1.046	0.877	16.2	70	0.00
15 T	Acrylonitrile	0.327	0.326	0.3	76	0.00
16 T	Acetone	0.290	0.255	12.1	75	0.00
17 T	Carbon Disulfide	1.762	1.520	13.7	72	0.00
18 T	Methyl Acetate	0.870	0.693	20.3	65	0.00
19 T	Methyl tert-butyl Ether	2.163	2.212	-2.3	81	0.00
20 T	Methylene Chloride	0.670	0.700	-4.5	83	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.619	-0.7	79	0.00
22 T	Diisopropyl ether	2.276	2.166	4.8	76	0.00
23 T	Vinyl Acetate	1.591	1.807	-13.6	90	0.00
24 P	1,1-Dichloroethane	1.201	1.188	1.1	77	0.00
25 T	2-Butanone	0.451	0.421	6.7	73	0.00
26 T	2,2-Dichloropropane	1.075	1.001	6.9	75	0.00
27 T	cis-1,2-Dichloroethene	0.764	0.788	-3.1	81	0.00
28 T	Bromochloromethane	0.509	0.572	-12.4	85	0.00
29 T	Tetrahydrofuran	0.302	0.278	7.9	73	0.00
30 C	Chloroform	1.180	1.227	-4.0#	82	0.00
31 T	Cyclohexane	1.175	0.915	22.1	63	0.00
32 T	1,1,1-Trichloroethane	1.009	0.980	2.9	76	0.00
33 S	1,2-Dichloroethane-d4	0.725	0.756	-4.3	78	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	75	0.00
35 S	Dibromofluoromethane	0.232	0.299	-28.9#	104	0.00
36 T	1,1-Dichloropropene	0.463	0.423	8.6	71	0.00
37 T	Ethyl Acetate	0.488	0.461	5.5	77	0.00
38 T	Carbon Tetrachloride	0.441	0.427	3.2	75	0.00
39 T	Methylcyclohexane	0.551	0.458	16.9	65	0.00
40 TM	Benzene	1.485	1.483	0.1	78	0.00
41 T	Methacrylonitrile	0.283	0.258	8.8	73	0.00
42 TM	1,2-Dichloroethane	0.474	0.505	-6.5	85	0.00
43 T	Isopropyl Acetate	1.177	0.858	27.1#	74	0.00
44 TM	Trichloroethene	0.352	0.355	-0.9	78	0.00
45 C	1,2-Dichloropropane	0.364	0.364	0.0	78	0.00
46 T	Dibromomethane	0.232	0.258	-11.2	85	0.00
47 T	Bromodichloromethane	0.500	0.535	-7.0	84	0.00
48 T	Methyl methacrylate	0.429	0.387	9.8	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086553.D
 Acq On : 09 May 2025 11:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 09 23:23:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	0.007	0.007	0.0	84	0.00
50 S	Toluene-d8	1.240	1.213	2.2	72	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.476	4.8	73	0.00
52 CM	Toluene	0.927	0.941	-1.5#	79	0.00
53 T	t-1,3-Dichloropropene	0.558	0.593	-6.3	81	0.00
54 T	cis-1,3-Dichloropropene	0.613	0.613	0.0	79	0.00
55 T	1,1,2-Trichloroethane	0.333	0.363	-9.0	85	0.00
56 T	Ethyl methacrylate	0.613	0.615	-0.3	79	0.00
57 T	1,3-Dichloropropane	0.592	0.632	-6.8	84	0.00
58 T	2-Chloroethyl Vinyl ether	0.291	0.261	10.3	68	0.00
59 T	2-Hexanone	0.371	0.351	5.4	74	0.00
60 T	Dibromochloromethane	0.366	0.411	-12.3	87	0.00
61 T	1,2-Dibromoethane	0.336	0.379	-12.8	87	0.00
62 S	4-Bromofluorobenzene	0.452	0.471	-4.2	77	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	78	0.00
64 T	Tetrachloroethene	0.385	0.377	2.1	80	0.00
65 PM	Chlorobenzene	1.116	1.131	-1.3	85	0.00
66 T	1,1,1,2-Tetrachloroethane	0.368	0.381	-3.5	86	0.00
67 C	Ethyl Benzene	2.014	1.922	4.6#	79	0.00
68 T	m/p-Xylenes	0.754	0.750	0.5	81	0.00
69 T	o-Xylene	0.746	0.750	-0.5	83	0.00
70 T	Styrene	1.243	1.284	-3.3	83	0.00
71 P	Bromoform	0.277	0.292	-5.4	88	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
73 T	Isopropylbenzene	4.090	3.486	14.8	78	0.00
74 T	N-amyl acetate	2.036	1.622	20.3	76	0.00
75 P	1,1,2,2-Tetrachloroethane	1.176	1.097	6.7	88	0.00
76 T	1,2,3-Trichloropropane	1.180	1.041	11.8	83	0.00
77 T	Bromobenzene	0.906	0.918	-1.3	90	0.00
78 T	n-propylbenzene	4.820	4.140	14.1	77	0.00
79 T	2-Chlorotoluene	3.016	2.704	10.3	82	0.00
80 T	1,3,5-Trimethylbenzene	3.348	2.970	11.3	80	0.00
81 T	trans-1,4-Dichloro-2-butene	0.491	0.427	13.0	77	0.00
82 T	4-Chlorotoluene	2.996	2.736	8.7	81	0.00
83 T	tert-Butylbenzene	2.901	2.480	14.5	79	0.00
84 T	1,2,4-Trimethylbenzene	3.408	3.062	10.2	81	0.00
85 T	sec-Butylbenzene	4.023	3.422	14.9	76	0.00
86 T	p-Isopropyltoluene	3.316	2.949	11.1	78	0.00
87 T	1,3-Dichlorobenzene	1.704	1.686	1.1	87	0.00
88 T	1,4-Dichlorobenzene	1.716	1.692	1.4	88	0.00
89 T	n-Butylbenzene	2.939	2.491	15.2	73	0.00
90 T	Hexachloroethane	0.558	0.485	13.1	78	0.00
91 T	1,2-Dichlorobenzene	1.652	1.638	0.8	88	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.205	13.5	77	0.00
93 T	1,2,4-Trichlorobenzene	0.791	0.758	4.2	83	0.00
94 T	Hexachlorobutadiene	0.299	0.261	12.7	78	0.00
95 T	Naphthalene	2.804	2.552	9.0	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086553.D
Acq On : 09 May 2025 11:00
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 09 23:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	0.749	0.716	4.4	85	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086553.D
 Acq On : 09 May 2025 11:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 09 23:23:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	74	0.00
2 T	Dichlorodifluoromethane	50.000	46.698	6.6	69	0.00
3 P	Chloromethane	50.000	47.494	5.0	80	0.00
4 C	Vinyl Chloride	50.000	43.797	12.4#	67	0.00
5 T	Bromomethane	50.000	61.956	-23.9	95	0.00
6 T	Chloroethane	50.000	45.602	8.8	74	0.00
7 T	Trichlorofluoromethane	50.000	46.663	6.7	73	0.00
8 T	Diethyl Ether	50.000	51.201	-2.4	80	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	45.258	9.5	70	0.00
10 T	Methyl Iodide	50.000	60.840	-21.7	91	0.00
11 T	Tert butyl alcohol	250.000	226.606	9.4	71	0.00
12 CM	1,1-Dichloroethene	50.000	45.155	9.7#	71	0.00
13 T	Acrolein	250.000	403.483	-61.4#	118	0.00
14 T	Allyl chloride	50.000	41.914	16.2	70	0.00
15 T	Acrylonitrile	250.000	248.931	0.4	76	0.00
16 T	Acetone	250.000	254.826	-1.9	75	0.00
17 T	Carbon Disulfide	50.000	43.125	13.8	72	0.00
18 T	Methyl Acetate	50.000	39.792	20.4	65	0.00
19 T	Methyl tert-butyl Ether	50.000	51.127	-2.3	81	0.00
20 T	Methylene Chloride	50.000	52.199	-4.4	83	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.271	-0.5	79	0.00
22 T	Diisopropyl ether	50.000	47.587	4.8	76	0.00
23 T	Vinyl Acetate	250.000	284.022	-13.6	90	0.00
24 P	1,1-Dichloroethane	50.000	49.467	1.1	77	0.00
25 T	2-Butanone	250.000	233.130	6.7	73	0.00
26 T	2,2-Dichloropropane	50.000	46.545	6.9	75	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.566	-3.1	81	0.00
28 T	Bromochloromethane	50.000	56.142	-12.3	85	0.00
29 T	Tetrahydrofuran	250.000	230.002	8.0	73	0.00
30 C	Chloroform	50.000	52.010	-4.0#	82	0.00
31 T	Cyclohexane	50.000	38.932	22.1	63	0.00
32 T	1,1,1-Trichloroethane	50.000	48.570	2.9	76	0.00
33 S	1,2-Dichloroethane-d4	50.000	52.164	-4.3	78	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	75	0.00
35 S	Dibromofluoromethane	50.000	64.349	-28.7#	104	0.00
36 T	1,1-Dichloropropene	50.000	45.582	8.8	71	0.00
37 T	Ethyl Acetate	50.000	47.266	5.5	77	0.00
38 T	Carbon Tetrachloride	50.000	48.327	3.3	75	0.00
39 T	Methylcyclohexane	50.000	41.542	16.9	65	0.00
40 TM	Benzene	50.000	49.916	0.2	78	0.00
41 T	Methacrylonitrile	50.000	45.637	8.7	73	0.00
42 TM	1,2-Dichloroethane	50.000	53.301	-6.6	85	0.00
43 T	Isopropyl Acetate	50.000	49.084	1.8	74	0.00
44 TM	Trichloroethene	50.000	50.412	-0.8	78	0.00
45 C	1,2-Dichloropropane	50.000	50.117	-0.2#	78	0.00
46 T	Dibromomethane	50.000	55.781	-11.6	85	0.00
47 T	Bromodichloromethane	50.000	53.515	-7.0	84	0.00
48 T	Methyl methacrylate	50.000	45.183	9.6	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086553.D
 Acq On : 09 May 2025 11:00
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 09 23:23:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	1004.302	-0.4	84	0.00
50 S	Toluene-d8	50.000	48.884	2.2	72	0.00
51 T	4-Methyl-2-Pentanone	250.000	237.991	4.8	73	0.00
52 CM	Toluene	50.000	50.797	-1.6#	79	0.00
53 T	t-1,3-Dichloropropene	50.000	53.069	-6.1	81	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.956	0.1	79	0.00
55 T	1,1,2-Trichloroethane	50.000	54.413	-8.8	85	0.00
56 T	Ethyl methacrylate	50.000	50.148	-0.3	79	0.00
57 T	1,3-Dichloropropane	50.000	53.395	-6.8	84	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	224.102	10.4	68	0.00
59 T	2-Hexanone	250.000	237.062	5.2	74	0.00
60 T	Dibromochloromethane	50.000	56.143	-12.3	87	0.00
61 T	1,2-Dibromoethane	50.000	56.305	-12.6	87	0.00
62 S	4-Bromofluorobenzene	50.000	52.058	-4.1	77	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	78	0.00
64 T	Tetrachloroethene	50.000	48.977	2.0	80	0.00
65 PM	Chlorobenzene	50.000	50.701	-1.4	85	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	51.809	-3.6	86	0.00
67 C	Ethyl Benzene	50.000	47.729	4.5#	79	0.00
68 T	m/p-Xylenes	100.000	99.409	0.6	81	0.00
69 T	o-Xylene	50.000	50.271	-0.5	83	0.00
70 T	Styrene	50.000	51.650	-3.3	83	0.00
71 P	Bromoform	50.000	52.704	-5.4	88	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	84	0.00
73 T	Isopropylbenzene	50.000	42.615	14.8	78	0.00
74 T	N-amyl acetate	50.000	39.832	20.3	76	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.626	6.7	88	0.00
76 T	1,2,3-Trichloropropane	50.000	44.121	11.8	83	0.00
77 T	Bromobenzene	50.000	50.671	-1.3	90	0.00
78 T	n-propylbenzene	50.000	42.950	14.1	77	0.00
79 T	2-Chlorotoluene	50.000	44.833	10.3	82	0.00
80 T	1,3,5-Trimethylbenzene	50.000	44.362	11.3	80	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	43.451	13.1	77	0.00
82 T	4-Chlorotoluene	50.000	45.657	8.7	81	0.00
83 T	tert-Butylbenzene	50.000	42.754	14.5	79	0.00
84 T	1,2,4-Trimethylbenzene	50.000	44.935	10.1	81	0.00
85 T	sec-Butylbenzene	50.000	42.528	14.9	76	0.00
86 T	p-Isopropyltoluene	50.000	44.465	11.1	78	0.00
87 T	1,3-Dichlorobenzene	50.000	49.491	1.0	87	0.00
88 T	1,4-Dichlorobenzene	50.000	49.305	1.4	88	0.00
89 T	n-Butylbenzene	50.000	42.368	15.3	73	0.00
90 T	Hexachloroethane	50.000	43.507	13.0	78	0.00
91 T	1,2-Dichlorobenzene	50.000	49.596	0.8	88	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	43.149	13.7	77	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.890	4.2	83	0.00
94 T	Hexachlorobutadiene	50.000	43.673	12.7	78	0.00
95 T	Naphthalene	50.000	45.507	9.0	80	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086553.D
Acq On : 09 May 2025 11:00
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 09 23:23:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	47.836	4.3	85	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_Y Calibration Date/Time: 05/02/2025 10:56

Lab File ID: VY022119.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.371		-12.91	20
Chloromethane	0.607	0.522	0.1	-14	20
Vinyl Chloride	0.745	0.656		-11.95	20
Bromomethane	0.642	0.557		-13.24	20
Chloroethane	0.508	0.453		-10.83	20
Trichlorofluoromethane	0.983	0.881		-10.38	20
1,1,2-Trichlorotrifluoroethane	0.533	0.498		-6.57	20
1,1-Dichloroethene	0.497	0.477		-4.02	20
Acetone	0.070	0.061		-12.86	20
Carbon Disulfide	1.585	1.399		-11.73	20
Methyl tert-butyl Ether	1.113	1.212		8.9	20
Methyl Acetate	0.216	0.267		23.61	20
Methylene Chloride	0.584	0.557		-4.62	20
trans-1,2-Dichloroethene	0.557	0.540		-3.05	20
1,1-Dichloroethane	0.893	0.872	0.1	-2.35	20
Cyclohexane	0.763	0.697		-8.65	20
2-Butanone	0.105	0.104		-0.95	20
Carbon Tetrachloride	0.530	0.522		-1.51	20
cis-1,2-Dichloroethene	0.622	0.636		2.25	20
Bromochloromethane	0.347	0.340		-2.02	20
Chloroform	0.990	1.003		1.31	20
1,1,1-Trichloroethane	0.896	0.912		1.79	20
Methylcyclohexane	0.558	0.540		-3.23	20
Benzene	1.387	1.341		-3.32	20
1,2-Dichloroethane	0.343	0.350		2.04	20
Trichloroethene	0.384	0.376		-2.08	20
1,2-Dichloropropane	0.307	0.300		-2.28	20
Bromodichloromethane	0.480	0.486		1.25	20
4-Methyl-2-Pentanone	0.160	0.168		5	20
Toluene	0.898	0.899		0.11	20
t-1,3-Dichloropropene	0.411	0.424		3.16	20
cis-1,3-Dichloropropene	0.489	0.493		0.82	20
1,1,2-Trichloroethane	0.256	0.256		0	20
2-Hexanone	0.106	0.112		5.66	20
Dibromochloromethane	0.355	0.359		1.13	20
1,2-Dibromoethane	0.242	0.246		1.65	20
Tetrachloroethene	0.472	0.466		-1.27	20
Chlorobenzene	1.118	1.109	0.3	-0.81	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: GENV01

Lab Code: CHEM Case No.: Q1939 SAS No.: Q1939 SDG No.: Q1939

Instrument ID: MSVOA_Y Calibration Date/Time: 05/02/2025 10:56

Lab File ID: VY022119.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.829	1.865		1.97	20
m/p-Xylenes	0.728	0.741		1.79	20
o-Xylene	0.671	0.700		4.32	20
Styrene	1.126	1.184		5.15	20
Bromoform	0.229	0.235	0.1	2.62	20
Isopropylbenzene	3.341	3.620		8.35	20
1,1,2,2-Tetrachloroethane	0.563	0.579	0.3	2.84	20
1,3-Dichlorobenzene	1.714	1.718		0.23	20
1,4-Dichlorobenzene	1.698	1.699		0.06	20
1,2-Dichlorobenzene	1.495	1.533		2.54	20
1,2-Dibromo-3-Chloropropane	0.090	0.095		5.56	20
1,2,4-Trichlorobenzene	0.847	0.904		6.73	20
1,2,3-Trichlorobenzene	0.731	0.791		8.21	20
1,2-Dichloroethane-d4	0.462	0.449		-2.81	20
Dibromofluoromethane	0.330	0.313		-5.15	20
Toluene-d8	1.245	1.174		-5.7	20
4-Bromofluorobenzene	0.419	0.412		-1.67	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_Y\Data\VY050225\
 Data File : VY022119.D
 Acq On : 02 May 2025 10:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/05/2025
 Supervised By : Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	360455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	570969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	519282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	263357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	162010	48.660	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.320%		
35) Dibromofluoromethane	7.634	113	178727	47.381	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.760%		
50) Toluene-d8	10.103	98	670593	47.155	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.320%		
62) 4-Bromofluorobenzene	12.408	95	235461	49.184	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	133738	43.543	ug/l	99
3) Chloromethane	2.068	50	188216	43.037	ug/l	99
4) Vinyl Chloride	2.202	62	236560	44.017	ug/l	99
5) Bromomethane	2.592	94	200685	43.343	ug/l	100
6) Chloroethane	2.733	64	163106	44.563	ug/l	98
7) Trichlorofluoromethane	3.056	101	317713	44.832	ug/l	98
8) Diethyl Ether	3.452	74	92064	49.912	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	179351	46.653	ug/l	99
10) Methyl Iodide	4.001	142	237483	53.355	ug/l	99
11) Tert butyl alcohol	4.879	59	48977	267.949	ug/l	100
12) 1,1-Dichloroethene	3.787	96	172050	48.014	ug/l	97
13) Acrolein	3.653	56	44690	136.224	ug/l	97
14) Allyl chloride	4.385	41	200496	48.053	ug/l	98
15) Acrylonitrile	5.061	53	164157	243.100	ug/l	100
16) Acetone	3.873	43	109843	252.240	ug/l	95
17) Carbon Disulfide	4.104	76	504364	44.144	ug/l	99
18) Methyl Acetate	4.385	43	96326	61.935	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	436787	54.461	ug/l	98
20) Methylene Chloride	4.610	84	200730	47.679	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	194761	48.532	ug/l	99
22) Diisopropyl ether	6.019	45	467363	50.334	ug/l	99
23) Vinyl Acetate	5.958	43	1238000	247.398	ug/l	99
24) 1,1-Dichloroethane	5.909	63	314172	48.814	ug/l	98
25) 2-Butanone	6.890	43	187834	247.497	ug/l	97
26) 2,2-Dichloropropane	6.884	77	286563	50.800	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	229297	51.100	ug/l	100
28) Bromochloromethane	7.238	49	122562	49.027	ug/l	94
29) Tetrahydrofuran	7.262	42	126677	256.996	ug/l	95
30) Chloroform	7.421	83	361467	50.632	ug/l	97
31) Cyclohexane	7.701	56	251348	45.668	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	328570	50.872	ug/l	99
36) 1,1-Dichloropropene	7.835	75	241085	47.580	ug/l	100
37) Ethyl Acetate	6.982	43	86073	47.298	ug/l	97
38) Carbon Tetrachloride	7.817	117	298330	49.273	ug/l	99
39) Methylcyclohexane	9.110	83	308462	48.375	ug/l	97
40) Benzene	8.079	78	765775	48.347	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022119.D
 Acq On : 02 May 2025 10:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	52636	52.911	ug/l	98
42) 1,2-Dichloroethane	8.152	62	199762	50.939	ug/l	99
43) Isopropyl Acetate	8.195	43	179537	51.373	ug/l	99
44) Trichloroethene	8.866	130	214824	48.966	ug/l	97
45) 1,2-Dichloropropane	9.140	63	171050	48.833	ug/l	99
46) Dibromomethane	9.231	93	109796	50.074	ug/l	98
47) Bromodichloromethane	9.420	83	277344	50.632	ug/l	100
48) Methyl methacrylate	9.219	41	82061	50.793	ug/l	94
49) 1,4-Dioxane	9.231	88	24167	1034.081	ug/l #	96
51) 4-Methyl-2-Pentanone	10.000	43	480789	262.438	ug/l	100
52) Toluene	10.170	92	513310	50.065	ug/l	98
53) t-1,3-Dichloropropene	10.390	75	241919	51.489	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	281472	50.397	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	146011	49.851	ug/l	97
56) Ethyl methacrylate	10.439	69	180514	53.894	ug/l	97
57) 1,3-Dichloropropane	10.719	76	234959	50.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	437480	267.142	ug/l	99
59) 2-Hexanone	10.762	43	319192	264.152	ug/l	100
60) Dibromochloromethane	10.914	129	205255	50.617	ug/l	100
61) 1,2-Dibromoethane	11.012	107	140502	50.813	ug/l	100
64) Tetrachloroethene	10.646	164	241840	49.368	ug/l	98
65) Chlorobenzene	11.444	112	575703	49.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	207113	50.661	ug/l	99
67) Ethyl Benzene	11.518	91	968706	50.995	ug/l	99
68) m/p-Xylenes	11.627	106	769944	101.858	ug/l	99
69) o-Xylene	11.957	106	363730	52.207	ug/l	99
70) Styrene	11.969	104	614740	52.552	ug/l	99
71) Bromoform	12.133	173	122153	51.392	ug/l #	100
73) Isopropylbenzene	12.255	105	953243	54.177	ug/l	100
74) N-amyl acetate	12.072	43	164911	54.552	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	152489	51.404	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	114326m	50.681	ug/l	
77) Bromobenzene	12.530	156	233646	52.552	ug/l	99
78) n-propylbenzene	12.597	91	1116491	53.284	ug/l	100
79) 2-Chlorotoluene	12.676	91	644165	52.862	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	784334	54.102	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	49097	52.413	ug/l	99
82) 4-Chlorotoluene	12.780	91	671998	53.049	ug/l	99
83) tert-Butylbenzene	12.999	119	709525	54.571	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	788661	54.388	ug/l	99
85) sec-Butylbenzene	13.176	105	1027164	53.988	ug/l	99
86) p-Isopropyltoluene	13.292	119	863360	53.440	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	452469	50.107	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	447467	50.034	ug/l	99
89) n-Butylbenzene	13.615	91	761262	52.717	ug/l	99
90) Hexachloroethane	13.877	117	181534	51.142	ug/l	99
91) 1,2-Dichlorobenzene	13.658	146	403723	51.260	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	25081	53.143	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	238016	53.330	ug/l	99
94) Hexachlorobutadiene	15.023	225	140513	51.171	ug/l	99
95) Naphthalene	15.145	128	426928	57.585	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	208289	54.065	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022119.D
Acq On : 02 May 2025 10:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

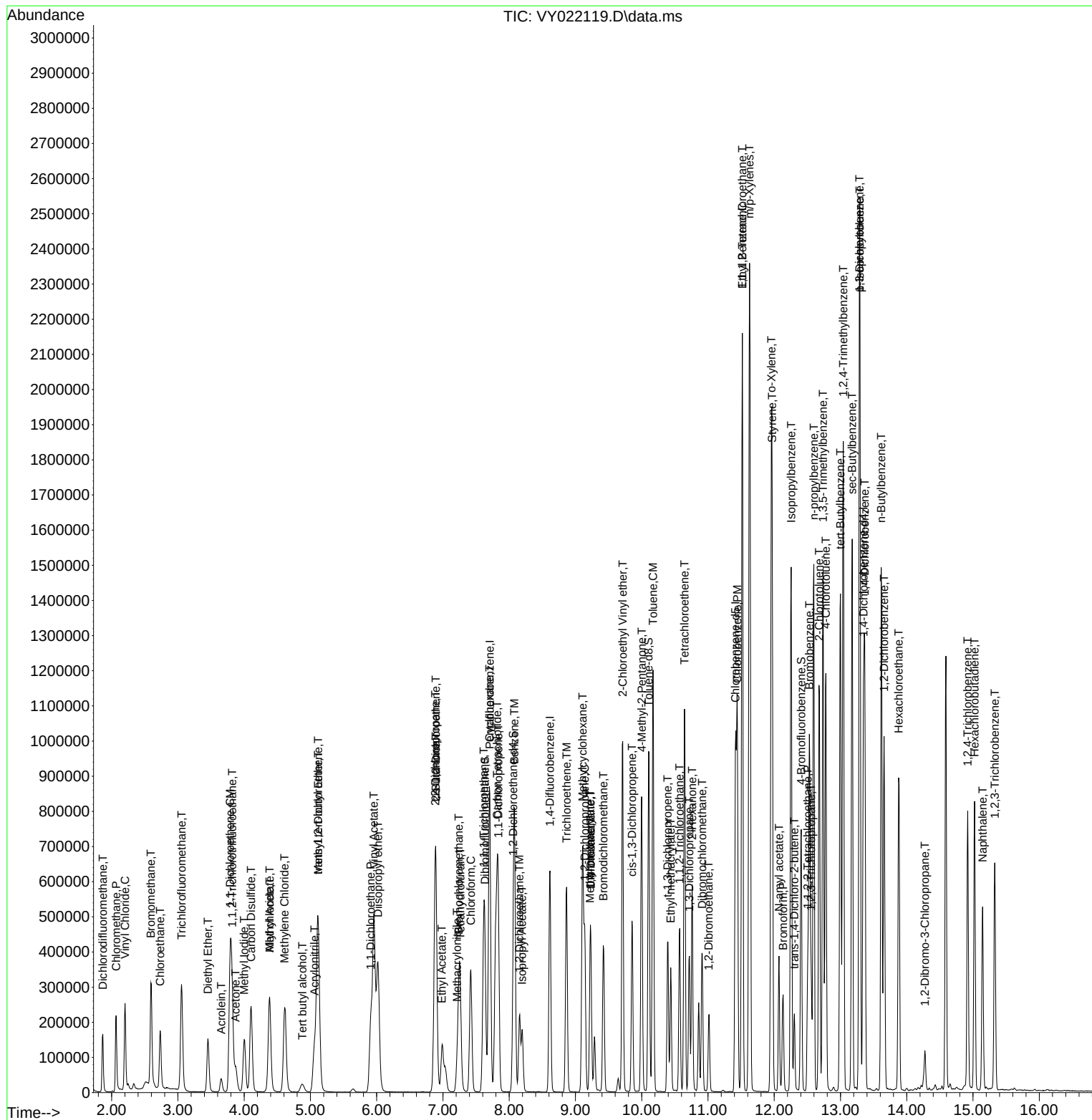
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022119.D
 Acq On : 02 May 2025 10:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: May 03 02:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 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	112	0.00
2 T	Dichlorodifluoromethane	0.426	0.371	12.9	106	0.00
3 P	Chloromethane	0.607	0.522	14.0	97	0.00
4 C	Vinyl Chloride	0.745	0.656	11.9#	101	0.00
5 T	Bromomethane	0.642	0.557	13.2	105	0.00
6 T	Chloroethane	0.508	0.453	10.8	103	0.00
7 T	Trichlorofluoromethane	0.983	0.881	10.4	103	0.00
8 T	Diethyl Ether	0.256	0.255	0.4	116	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.533	0.498	6.6	114	0.00
10 T	Methyl Iodide	0.617	0.659	-6.8	117	0.00
11 T	Tert butyl alcohol	0.025	0.027	-8.0	117	0.00
12 CM	1,1-Dichloroethene	0.497	0.477	4.0#	114	0.00
13 T	Acrolein	0.046	0.025	45.7#	65	0.00
14 T	Allyl chloride	0.579	0.556	4.0	112	0.00
15 T	Acrylonitrile	0.094	0.091	3.2	109	0.00
16 T	Acetone	0.070	0.061	12.9	108	0.00
17 T	Carbon Disulfide	1.585	1.399	11.7	105	0.00
18 T	Methyl Acetate	0.216	0.267	-23.6	134	0.00
19 T	Methyl tert-butyl Ether	1.113	1.212	-8.9	120	0.00
20 T	Methylene Chloride	0.584	0.557	4.6	117	0.00
21 T	trans-1,2-Dichloroethene	0.557	0.540	3.1	114	0.01
22 T	Diisopropyl ether	1.288	1.297	-0.7	113	0.00
23 T	Vinyl Acetate	0.694	0.687	1.0	108	0.00
24 P	1,1-Dichloroethane	0.893	0.872	2.4	115	0.00
25 T	2-Butanone	0.105	0.104	1.0	111	0.00
26 T	2,2-Dichloropropane	0.782	0.795	-1.7	120	0.00
27 T	cis-1,2-Dichloroethene	0.622	0.636	-2.3	117	0.00
28 T	Bromochloromethane	0.347	0.340	2.0	111	0.00
29 T	Tetrahydrofuran	0.068	0.070	-2.9	108	0.00
30 C	Chloroform	0.990	1.003	-1.3#	118	0.00
31 T	Cyclohexane	0.763	0.697	8.7	110	0.00
32 T	1,1,1-Trichloroethane	0.896	0.912	-1.8	120	0.00
33 S	1,2-Dichloroethane-d4	0.462	0.449	2.8	108	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
35 S	Dibromofluoromethane	0.330	0.313	5.2	108	0.00
36 T	1,1-Dichloropropene	0.444	0.422	5.0	113	0.00
37 T	Ethyl Acetate	0.159	0.151	5.0	107	0.00
38 T	Carbon Tetrachloride	0.530	0.522	1.5	118	0.00
39 T	Methylcyclohexane	0.558	0.540	3.2	112	0.00
40 TM	Benzene	1.387	1.341	3.3	115	0.00
41 T	Methacrylonitrile	0.087	0.092	-5.7	115	-0.01
42 TM	1,2-Dichloroethane	0.343	0.350	-2.0	119	0.00
43 T	Isopropyl Acetate	0.306	0.314	-2.6	115	0.00
44 TM	Trichloroethene	0.384	0.376	2.1	117	0.00
45 C	1,2-Dichloropropane	0.307	0.300	2.3#	114	0.00
46 T	Dibromomethane	0.192	0.192	0.0	117	0.00
47 T	Bromodichloromethane	0.480	0.486	-1.3	118	0.00
48 T	Methyl methacrylate	0.141	0.144	-2.1	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022119.D
 Acq On : 02 May 2025 10:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: May 03 02:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 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	0.002	0.002	0.0	119	0.00
50 S	Toluene-d8	1.245	1.174	5.7	105	0.00
51 T	4-Methyl-2-Pentanone	0.160	0.168	-5.0	112	0.00
52 CM	Toluene	0.898	0.899	-0.1#	115	0.00
53 T	t-1,3-Dichloropropene	0.411	0.424	-3.2	116	0.00
54 T	cis-1,3-Dichloropropene	0.489	0.493	-0.8	116	0.00
55 T	1,1,2-Trichloroethane	0.256	0.256	0.0	114	0.00
56 T	Ethyl methacrylate	0.293	0.316	-7.8	114	0.00
57 T	1,3-Dichloropropane	0.411	0.412	-0.2	115	0.00
58 T	2-Chloroethyl Vinyl ether	0.143	0.153	-7.0	109	0.00
59 T	2-Hexanone	0.106	0.112	-5.7	111	0.00
60 T	Dibromochloromethane	0.355	0.359	-1.1	117	0.00
61 T	1,2-Dibromoethane	0.242	0.246	-1.7	116	0.00
62 S	4-Bromofluorobenzene	0.419	0.412	1.7	111	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	113	0.00
64 T	Tetrachloroethene	0.472	0.466	1.3	116	0.00
65 PM	Chlorobenzene	1.118	1.109	0.8	116	0.00
66 T	1,1,1,2-Tetrachloroethane	0.394	0.399	-1.3	117	0.00
67 C	Ethyl Benzene	1.829	1.865	-2.0#	115	0.00
68 T	m/p-Xylenes	0.728	0.741	-1.8	114	0.00
69 T	o-Xylene	0.671	0.700	-4.3	115	0.00
70 T	Styrene	1.126	1.184	-5.2	115	0.00
71 P	Bromoform	0.229	0.235	-2.6	116	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73 T	Isopropylbenzene	3.341	3.620	-8.4	117	0.00
74 T	N-amyl acetate	0.574	0.626	-9.1	113	0.00
75 P	1,1,2,2-Tetrachloroethane	0.563	0.579	-2.8	113	0.00
76 T	1,2,3-Trichloropropane	0.428	0.434	-1.4	115	0.00
77 T	Bromobenzene	0.844	0.887	-5.1	115	0.00
78 T	n-propylbenzene	3.978	4.239	-6.6	114	0.00
79 T	2-Chlorotoluene	2.314	2.446	-5.7	115	0.00
80 T	1,3,5-Trimethylbenzene	2.752	2.978	-8.2	114	0.00
81 T	trans-1,4-Dichloro-2-butene	0.178	0.186	-4.5	113	0.00
82 T	4-Chlorotoluene	2.405	2.552	-6.1	115	0.00
83 T	tert-Butylbenzene	2.468	2.694	-9.2	116	0.00
84 T	1,2,4-Trimethylbenzene	2.753	2.995	-8.8	115	0.00
85 T	sec-Butylbenzene	3.612	3.900	-8.0	116	0.00
86 T	p-Isopropyltoluene	3.067	3.278	-6.9	113	0.00
87 T	1,3-Dichlorobenzene	1.714	1.718	-0.2	112	0.00
88 T	1,4-Dichlorobenzene	1.698	1.699	-0.1	112	0.00
89 T	n-Butylbenzene	2.742	2.891	-5.4	113	0.00
90 T	Hexachloroethane	0.674	0.689	-2.2	116	0.00
91 T	1,2-Dichlorobenzene	1.495	1.533	-2.5	113	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.090	0.095	-5.6	121	0.00
93 T	1,2,4-Trichlorobenzene	0.847	0.904	-6.7	118	0.00
94 T	Hexachlorobutadiene	0.521	0.534	-2.5	119	0.00
95 T	Naphthalene	1.408	1.621	-15.1	121	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022119.D
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Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 03 02:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	0.731	0.791	-8.2	120	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022119.D
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 Operator : SY/MD
 Sample : VSTDCCC050
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 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	112	0.00
2 T	Dichlorodifluoromethane	50.000	43.543	12.9	106	0.00
3 P	Chloromethane	50.000	43.037	13.9	97	0.00
4 C	Vinyl Chloride	50.000	44.017	12.0#	101	0.00
5 T	Bromomethane	50.000	43.343	13.3	105	0.00
6 T	Chloroethane	50.000	44.563	10.9	103	0.00
7 T	Trichlorofluoromethane	50.000	44.832	10.3	103	0.00
8 T	Diethyl Ether	50.000	49.912	0.2	116	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.653	6.7	114	0.00
10 T	Methyl Iodide	50.000	53.355	-6.7	117	0.00
11 T	Tert butyl alcohol	250.000	267.949	-7.2	117	0.00
12 CM	1,1-Dichloroethene	50.000	48.014	4.0#	114	0.00
13 T	Acrolein	250.000	136.224	45.5#	65	0.00
14 T	Allyl chloride	50.000	48.053	3.9	112	0.00
15 T	Acrylonitrile	250.000	243.100	2.8	109	0.00
16 T	Acetone	250.000	252.240	-0.9	108	0.00
17 T	Carbon Disulfide	50.000	44.144	11.7	105	0.00
18 T	Methyl Acetate	50.000	61.935	-23.9	134	0.00
19 T	Methyl tert-butyl Ether	50.000	54.461	-8.9	120	0.00
20 T	Methylene Chloride	50.000	47.679	4.6	117	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.532	2.9	114	0.01
22 T	Diisopropyl ether	50.000	50.334	-0.7	113	0.00
23 T	Vinyl Acetate	250.000	247.398	1.0	108	0.00
24 P	1,1-Dichloroethane	50.000	48.814	2.4	115	0.00
25 T	2-Butanone	250.000	247.497	1.0	111	0.00
26 T	2,2-Dichloropropane	50.000	50.800	-1.6	120	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.100	-2.2	117	0.00
28 T	Bromochloromethane	50.000	49.027	1.9	111	0.00
29 T	Tetrahydrofuran	250.000	256.996	-2.8	108	0.00
30 C	Chloroform	50.000	50.632	-1.3#	118	0.00
31 T	Cyclohexane	50.000	45.668	8.7	110	0.00
32 T	1,1,1-Trichloroethane	50.000	50.872	-1.7	120	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.660	2.7	108	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	114	0.00
35 S	Dibromofluoromethane	50.000	47.381	5.2	108	0.00
36 T	1,1-Dichloropropene	50.000	47.580	4.8	113	0.00
37 T	Ethyl Acetate	50.000	47.298	5.4	107	0.00
38 T	Carbon Tetrachloride	50.000	49.273	1.5	118	0.00
39 T	Methylcyclohexane	50.000	48.375	3.3	112	0.00
40 TM	Benzene	50.000	48.347	3.3	115	0.00
41 T	Methacrylonitrile	50.000	52.911	-5.8	115	-0.01
42 TM	1,2-Dichloroethane	50.000	50.939	-1.9	119	0.00
43 T	Isopropyl Acetate	50.000	51.373	-2.7	115	0.00
44 TM	Trichloroethene	50.000	48.966	2.1	117	0.00
45 C	1,2-Dichloropropane	50.000	48.833	2.3#	114	0.00
46 T	Dibromomethane	50.000	50.074	-0.1	117	0.00
47 T	Bromodichloromethane	50.000	50.632	-1.3	118	0.00
48 T	Methyl methacrylate	50.000	50.793	-1.6	109	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022119.D
 Acq On : 02 May 2025 10:56
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 LabSampleId :
 VSTDCCC050

Quant Time: May 03 02:48:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 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	1034.081	-3.4	119	0.00
50 S	Toluene-d8	50.000	47.155	5.7	105	0.00
51 T	4-Methyl-2-Pentanone	250.000	262.438	-5.0	112	0.00
52 CM	Toluene	50.000	50.065	-0.1#	115	0.00
53 T	t-1,3-Dichloropropene	50.000	51.489	-3.0	116	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.397	-0.8	116	0.00
55 T	1,1,2-Trichloroethane	50.000	49.851	0.3	114	0.00
56 T	Ethyl methacrylate	50.000	53.894	-7.8	114	0.00
57 T	1,3-Dichloropropane	50.000	50.040	-0.1	115	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	267.142	-6.9	109	0.00
59 T	2-Hexanone	250.000	264.152	-5.7	111	0.00
60 T	Dibromochloromethane	50.000	50.617	-1.2	117	0.00
61 T	1,2-Dibromoethane	50.000	50.813	-1.6	116	0.00
62 S	4-Bromofluorobenzene	50.000	49.184	1.6	111	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	113	0.00
64 T	Tetrachloroethene	50.000	49.368	1.3	116	0.00
65 PM	Chlorobenzene	50.000	49.576	0.8	116	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.661	-1.3	117	0.00
67 C	Ethyl Benzene	50.000	50.995	-2.0#	115	0.00
68 T	m/p-Xylenes	100.000	101.858	-1.9	114	0.00
69 T	o-Xylene	50.000	52.207	-4.4	115	0.00
70 T	Styrene	50.000	52.552	-5.1	115	0.00
71 P	Bromoform	50.000	51.392	-2.8	116	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73 T	Isopropylbenzene	50.000	54.177	-8.4	117	0.00
74 T	N-amyl acetate	50.000	54.552	-9.1	113	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.404	-2.8	113	0.00
76 T	1,2,3-Trichloropropane	50.000	50.681	-1.4	115	0.00
77 T	Bromobenzene	50.000	52.552	-5.1	115	0.00
78 T	n-propylbenzene	50.000	53.284	-6.6	114	0.00
79 T	2-Chlorotoluene	50.000	52.862	-5.7	115	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.102	-8.2	114	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.413	-4.8	113	0.00
82 T	4-Chlorotoluene	50.000	53.049	-6.1	115	0.00
83 T	tert-Butylbenzene	50.000	54.571	-9.1	116	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.388	-8.8	115	0.00
85 T	sec-Butylbenzene	50.000	53.988	-8.0	116	0.00
86 T	p-Isopropyltoluene	50.000	53.440	-6.9	113	0.00
87 T	1,3-Dichlorobenzene	50.000	50.107	-0.2	112	0.00
88 T	1,4-Dichlorobenzene	50.000	50.034	-0.1	112	0.00
89 T	n-Butylbenzene	50.000	52.717	-5.4	113	0.00
90 T	Hexachloroethane	50.000	51.142	-2.3	116	0.00
91 T	1,2-Dichlorobenzene	50.000	51.260	-2.5	113	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.143	-6.3	121	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.330	-6.7	118	0.00
94 T	Hexachlorobutadiene	50.000	51.171	-2.3	119	0.00
95 T	Naphthalene	50.000	57.585	-15.2	121	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022119.D
Acq On : 02 May 2025 10:56
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
LabSampleId :
VSTDCCC050

Quant Time: May 03 02:48:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 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	54.065	-8.1	120	0.00

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



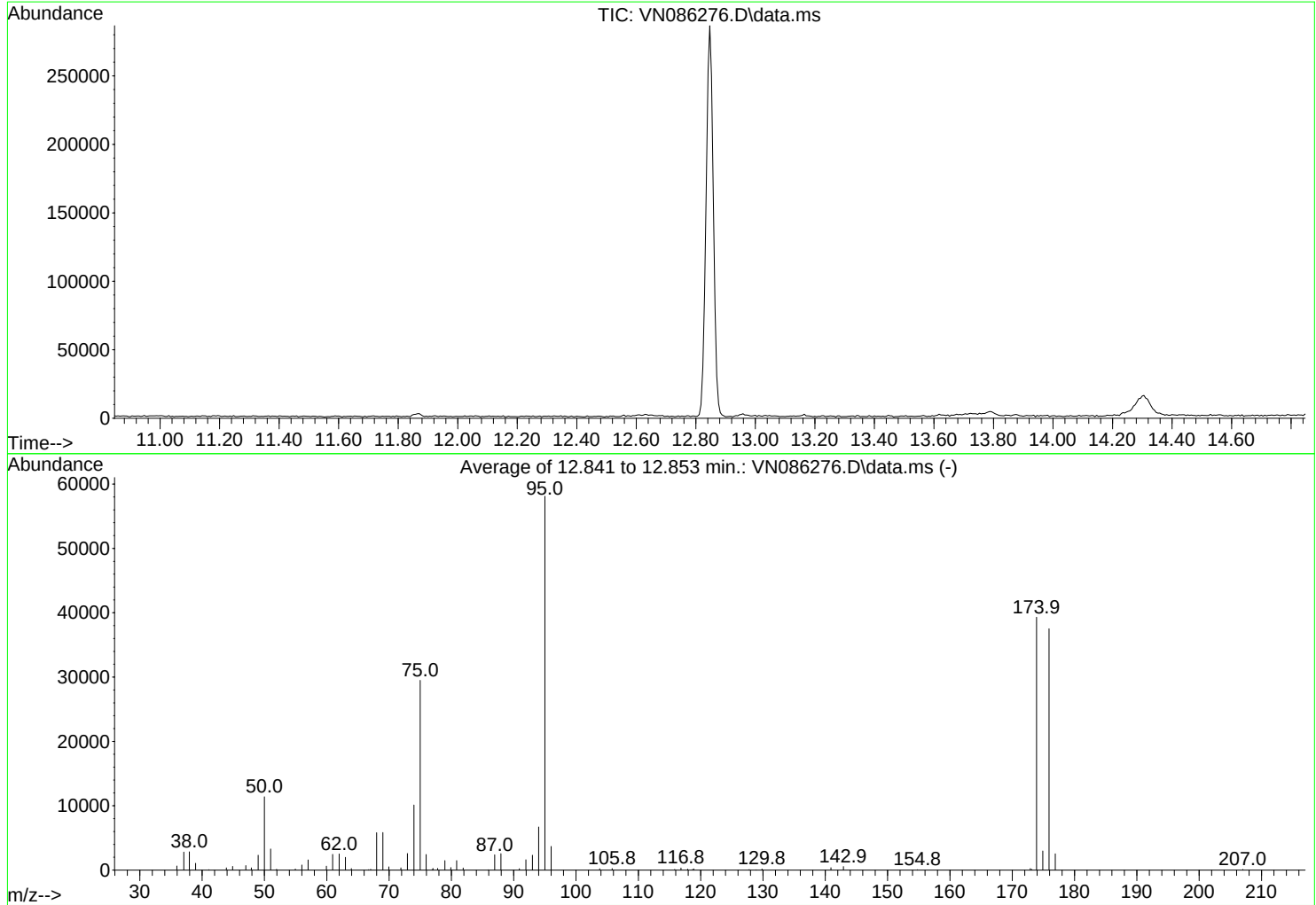
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086276.D
Acq On : 15 Apr 2025 10:47
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\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 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	19.6	11398	PASS
75	95	30	60	50.8	29499	PASS
95	95	100	100	100.0	58112	PASS
96	95	5	9	6.3	3682	PASS
173	174	0.00	2	0.6	240	PASS
174	95	50	100	67.6	39296	PASS
175	174	5	9	7.6	2977	PASS
176	174	95	101	95.5	37528	PASS
177	176	5	9	6.7	2533	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	635	51.00	3286	67.05	140	77.80	271
37.05	2796	51.95	128	68.00	5813	78.95	147
37.95	2853	54.95	179	69.00	5847	79.90	39
38.95	1053	56.00	804	69.95	514	80.85	148
41.10	67	57.00	1592	71.90	363	81.90	335
43.90	345	59.95	619	72.95	2581	85.90	51
44.90	579	60.95	2450	74.00	10128	86.95	2372
47.00	701	62.00	2513	75.00	29499	87.95	2557
47.90	354	63.00	1986	75.95	2430	90.90	233
49.00	2323	63.95	246	76.90	99	91.95	1612
50.00	11398	66.70	59	77.05	268	93.00	2327

Average of 12.841 to 12.853 min.: VN086276.D\data.ms

BFB

Modified:subtracted

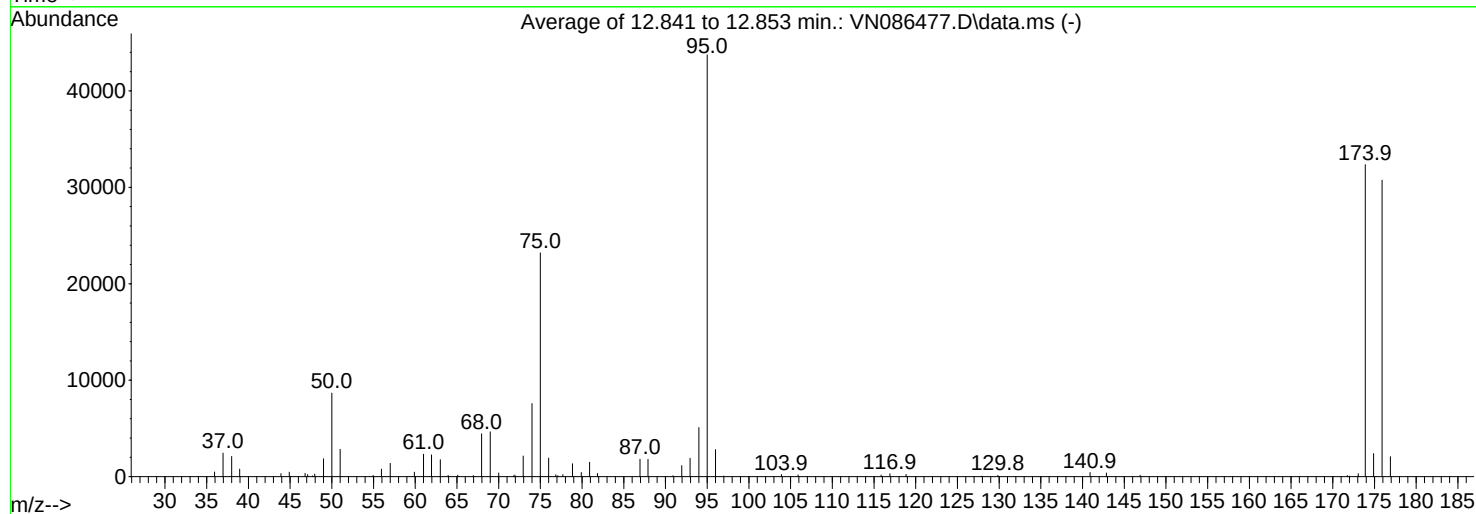
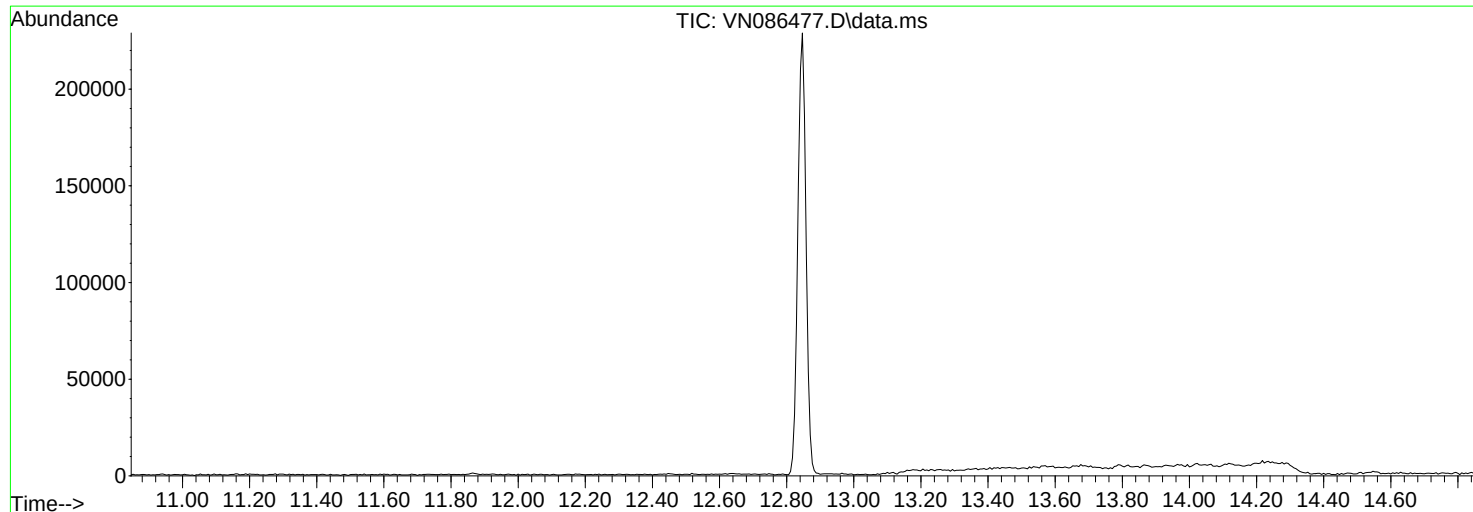
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	6693	128.90	53	207.00	112		
95.00	58112	129.85	189				
96.00	3682	140.90	380				
103.80	224	142.90	552				
105.80	239	154.80	75				
115.85	118	172.90	240				
116.85	326	173.10	131				
117.90	152	173.90	39296				
118.70	112	174.90	2977				
118.90	196	175.90	37528				
127.80	80	176.90	2533				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086477.D
Acq On : 05 May 2025 10:23
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\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 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	19.8	8661	PASS
75	95	30	60	53.1	23221	PASS
95	95	100	100	100.0	43739	PASS
96	95	5	9	6.4	2801	PASS
173	174	0.00	2	1.0	319	PASS
174	95	50	100	74.0	32349	PASS
175	174	5	9	7.4	2398	PASS
176	174	95	101	95.0	30739	PASS
177	176	5	9	6.8	2079	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	478	50.00	8661	66.95	115	77.10	101
36.95	2433	51.00	2835	67.95	4441	77.70	211
38.00	2086	54.95	140	69.00	4646	78.85	134
38.95	787	55.95	782	70.00	386	79.90	43
43.90	320	57.00	1377	71.80	89	80.90	1487
44.90	463	59.90	462	71.95	170	81.85	333
46.80	352	61.00	2317	72.95	2149	86.95	1803
47.10	210	61.95	2250	74.00	7577	87.90	1800
47.70	83	63.00	1766	75.00	23221	90.90	107
47.95	261	63.95	129	76.00	1918	91.95	1145
49.00	1858	65.10	145	76.85	201	92.95	1909

Average of 12.841 to 12.853 min.: VN086477.D\data.ms

BFB

Modified:subtracted

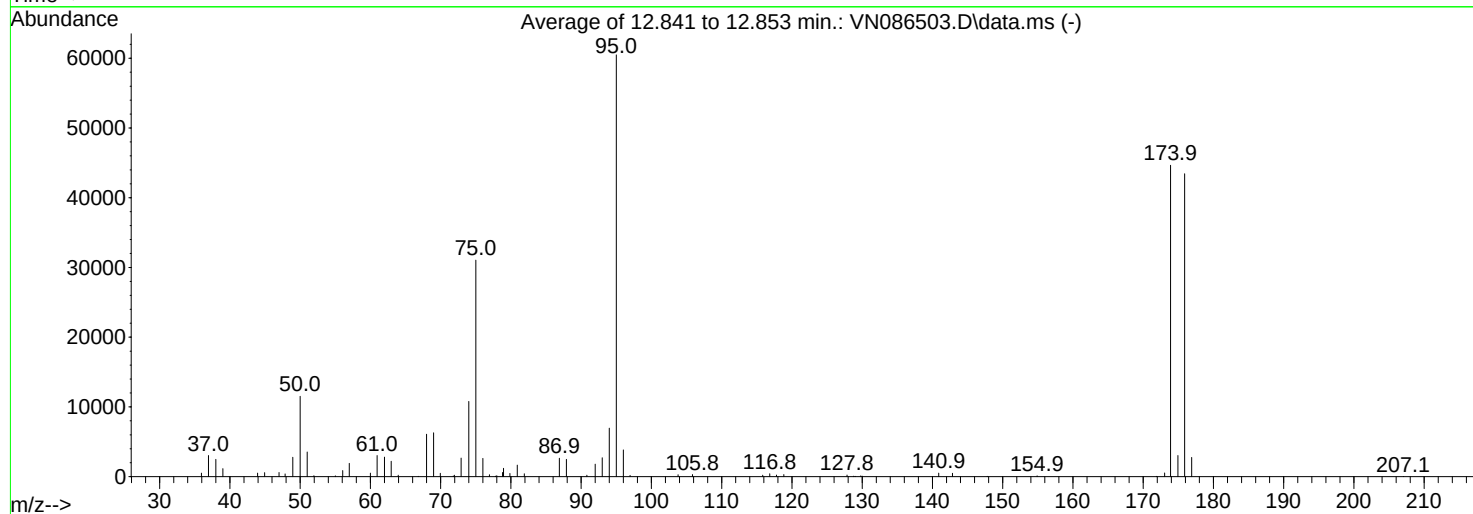
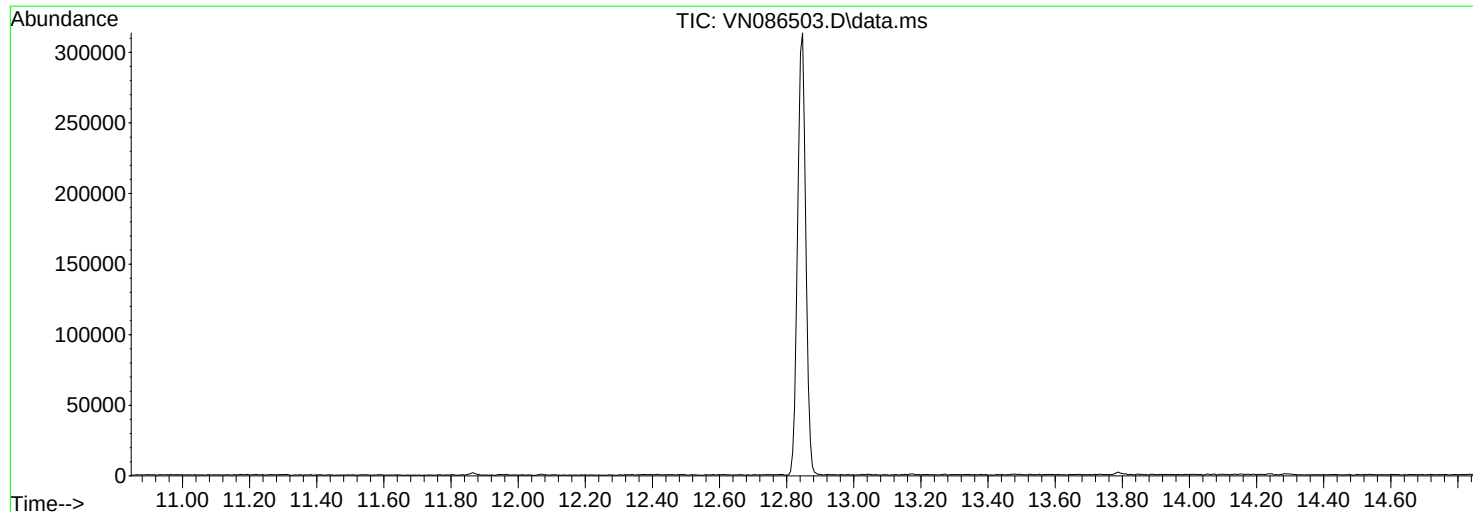
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	5096	140.90	431				
95.00	43739	142.85	380				
96.00	2801	146.90	148				
97.00	64	171.75	119				
103.90	213	172.00	59				
105.90	178	173.05	319				
115.85	164	173.90	32349				
116.90	299	174.90	2398				
118.85	240	175.90	30739				
127.90	50	176.90	2079				
129.85	136						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086503.D
Acq On : 06 May 2025 09:13
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\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1842

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	19.0	11520	PASS
75	95	30	60	51.3	31056	PASS
95	95	100	100	100.0	60491	PASS
96	95	5	9	6.3	3832	PASS
173	174	0.00	2	1.2	539	PASS
174	95	50	100	73.8	44659	PASS
175	174	5	9	6.8	3021	PASS
176	174	95	101	97.3	43437	PASS
177	176	5	9	6.3	2756	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	507	51.95	135	69.00	6299	78.80	591
36.95	3031	55.00	127	69.95	481	78.95	1191
38.00	2483	56.05	885	71.80	101	79.85	46
39.00	1154	57.00	1899	71.95	215	80.90	166
43.95	496	60.00	516	72.90	2665	81.90	414
44.95	564	60.95	3027	74.00	10779	86.90	2649
47.00	597	62.00	2808	75.00	31056	87.90	2490
47.85	403	62.95	2206	76.00	2621	90.80	207
48.95	2772	63.95	205	76.95	272	92.00	1786
50.00	11520	66.80	51	77.80	63	93.00	2708
51.00	3534	68.00	6084	78.00	136	94.00	6954

Average of 12.841 to 12.853 min.: VN086503.D\data.ms

BFB

Modified:subtracted

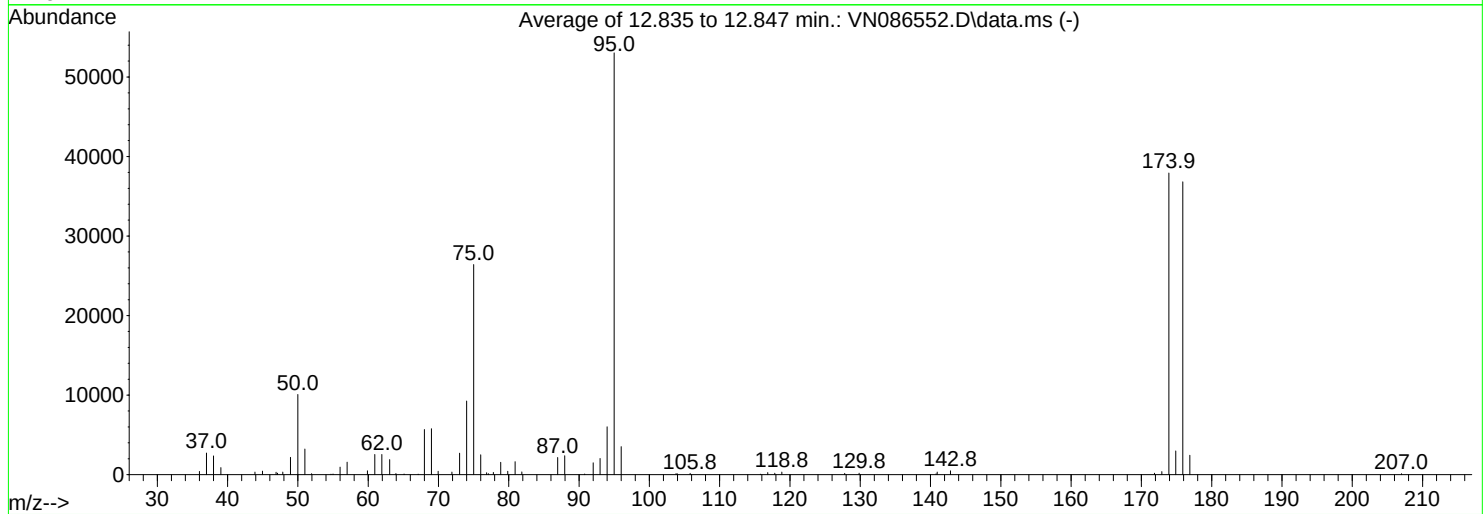
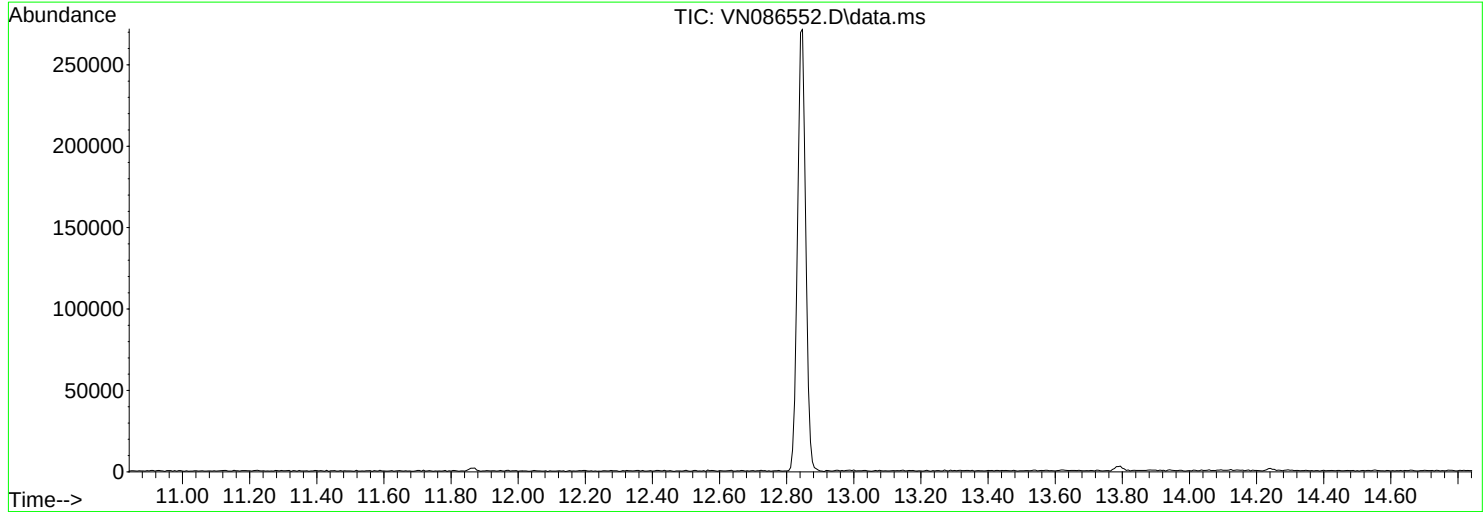
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	60491	129.00	53	175.90	43437		
96.00	3832	129.80	124	176.90	2756		
96.95	181	130.00	76	207.05	20		
103.80	273	140.90	498				
105.85	290	142.85	477				
115.85	197	147.80	56				
116.85	419	154.90	118				
117.80	227	171.90	50				
118.85	291	173.05	539				
127.85	222	173.90	44659				
128.80	66	174.95	3021				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086552.D
Acq On : 09 May 2025 09:49
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\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025



AutoFind: Scans 1850, 1851, 1852; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	10073	PASS
75	95	30	60	49.8	26408	PASS
95	95	100	100	100.0	53037	PASS
96	95	5	9	6.7	3528	PASS
173	174	0.00	2	1.0	383	PASS
174	95	50	100	71.5	37923	PASS
175	174	5	9	7.9	2983	PASS
176	174	95	101	97.1	36827	PASS
177	176	5	9	6.6	2445	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	410	51.00	3219	65.10	77	77.10	111
37.00	2720	51.95	115	67.10	61	77.80	281
38.00	2349	54.70	55	68.00	5679	78.85	155
39.05	892	55.00	74	69.00	5774	79.85	43
43.90	314	56.00	946	69.95	426	80.90	1628
44.95	447	57.00	1564	71.90	324	81.85	334
46.90	309	59.90	484	73.00	2706	86.95	2157
47.10	191	60.95	2528	74.00	9264	87.95	2368
47.85	328	61.95	2542	75.00	26408	90.80	76
48.95	2181	63.05	1894	76.00	2488	92.00	1480
50.00	10073	63.95	148	76.85	239	93.00	2027

Average of 12.835 to 12.847 min.: VN086552.D\data.ms

BFB

Modified:subtracted

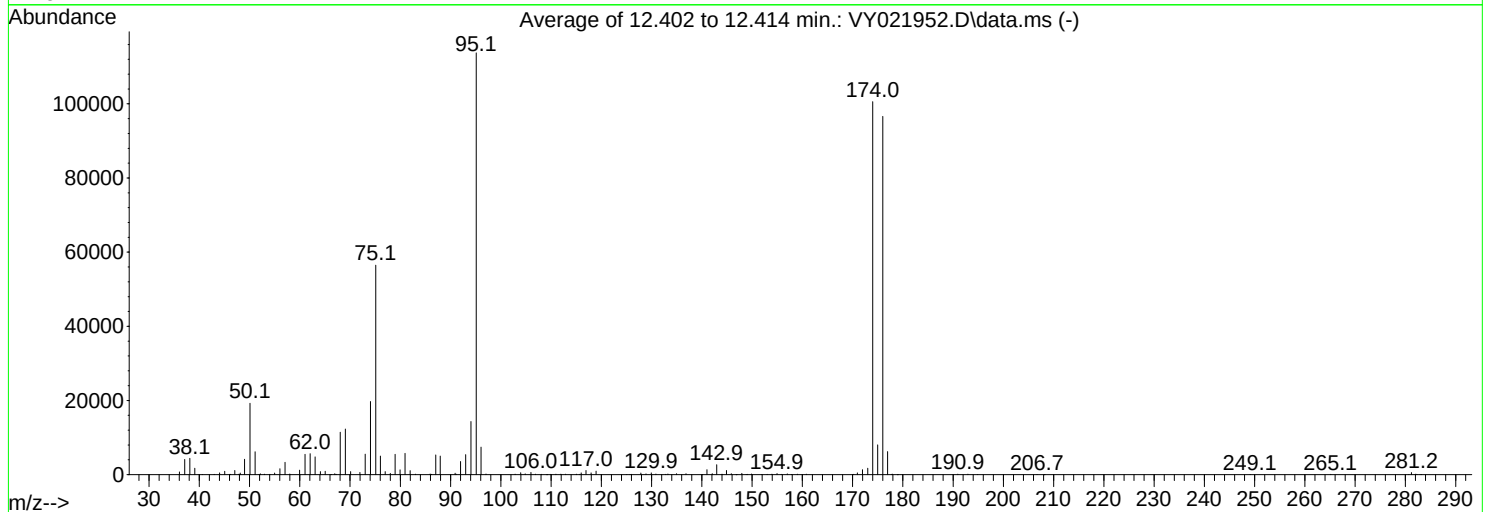
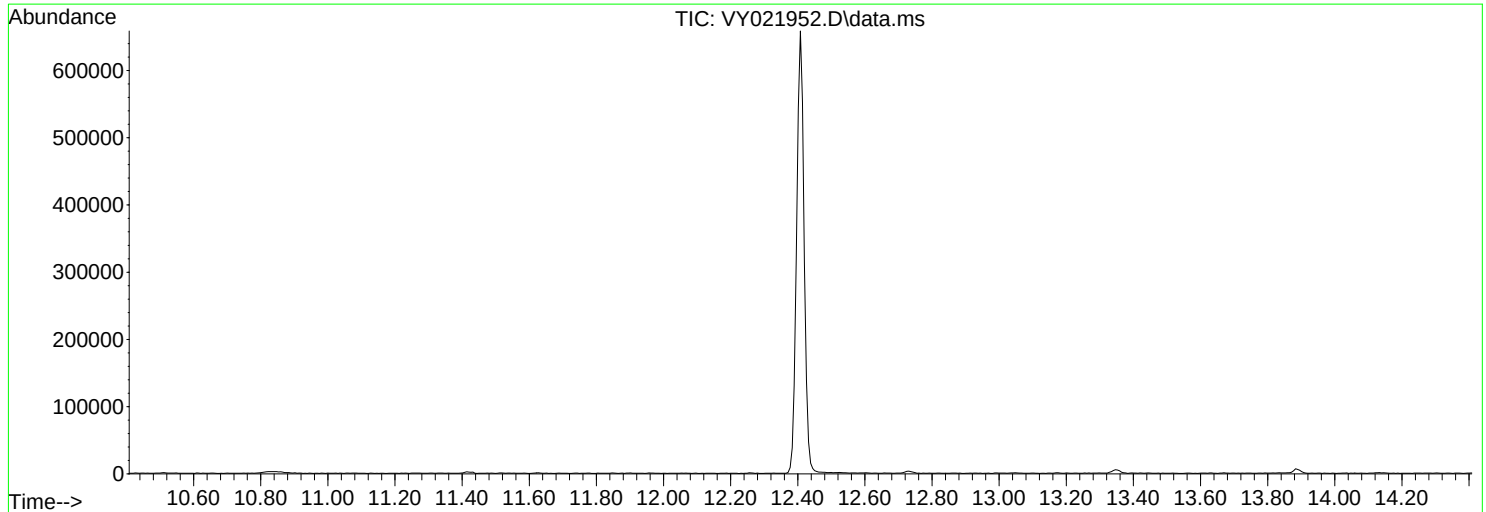
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	6027	129.85	180				
95.00	53037	140.80	92				
96.00	3528	140.95	332				
103.80	145	142.85	474				
104.00	98	171.85	175				
105.80	161	172.90	383				
115.80	58	173.90	37923				
116.85	261	174.90	2983				
117.85	186	175.90	36827				
118.85	315	176.90	2445				
127.80	159	207.00	120				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
Data File : VY021952.D
Acq On : 22 Apr 2025 11:33
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

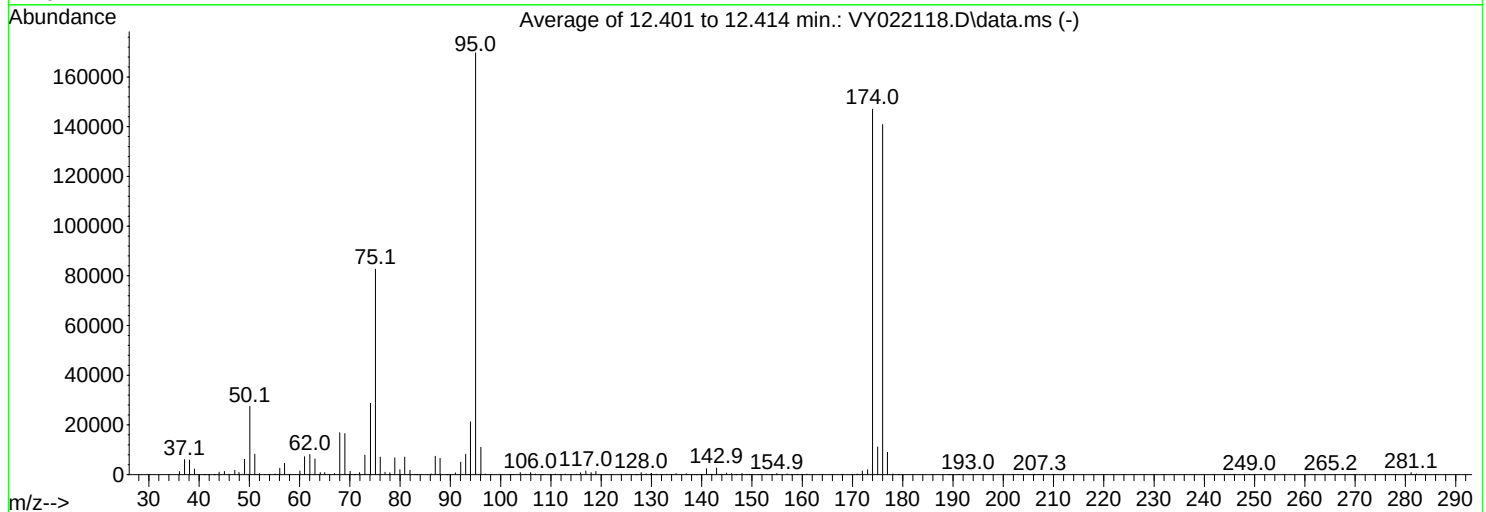
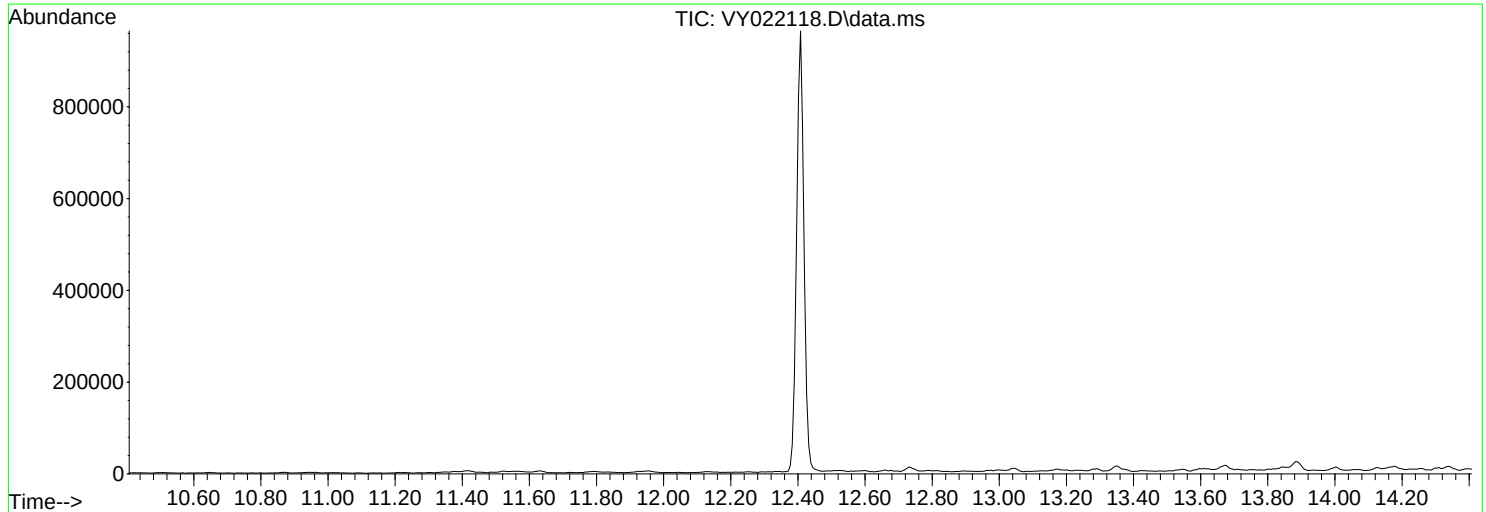
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	19237	PASS
75	95	30	60	49.7	56504	PASS
95	95	100	100	100.0	113749	PASS
96	95	5	9	6.5	7410	PASS
173	174	0.00	2	1.7	1741	PASS
174	95	50	100	88.4	100587	PASS
175	174	5	9	8.0	8046	PASS
176	174	95	101	96.1	96621	PASS
177	176	5	9	6.4	6205	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022118.D
Acq On : 02 May 2025 10:26
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Title : SW846 8260
Last Update : Wed Apr 23 02:30:30 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1745

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	27488	PASS
75	95	30	60	48.7	82669	PASS
95	95	100	100	100.0	169707	PASS
96	95	5	9	6.5	10992	PASS
173	174	0.00	2	1.3	1953	PASS
174	95	50	100	86.6	147021	PASS
175	174	5	9	7.6	11129	PASS
176	174	95	101	95.8	140891	PASS
177	176	5	9	6.4	9006	PASS

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086479.D	1		05/05/25 12:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086479.D	1		05/05/25 12:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	60.5		70 (70) - 130 (134)	121%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	8.224			
540-36-3	1,4-Difluorobenzene	299000	9.1			
3114-55-4	Chlorobenzene-d5	278000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.788			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086479.D	1		05/05/25 12:13	VN050525

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\VN050525\
 Data File : VN086479.D
 Acq On : 05 May 2025 12:13
 Operator : JC\MD
 Sample : VN0505MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505MBL01

Quant Time: May 06 01:43:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	156968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117072	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	110140	48.388	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.780%
35) Dibromofluoromethane	8.165	113	83915	60.507	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	121.020%
50) Toluene-d8	10.565	98	378837	51.111	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.220%
62) 4-Bromofluorobenzene	12.847	95	131288	48.562	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.120%

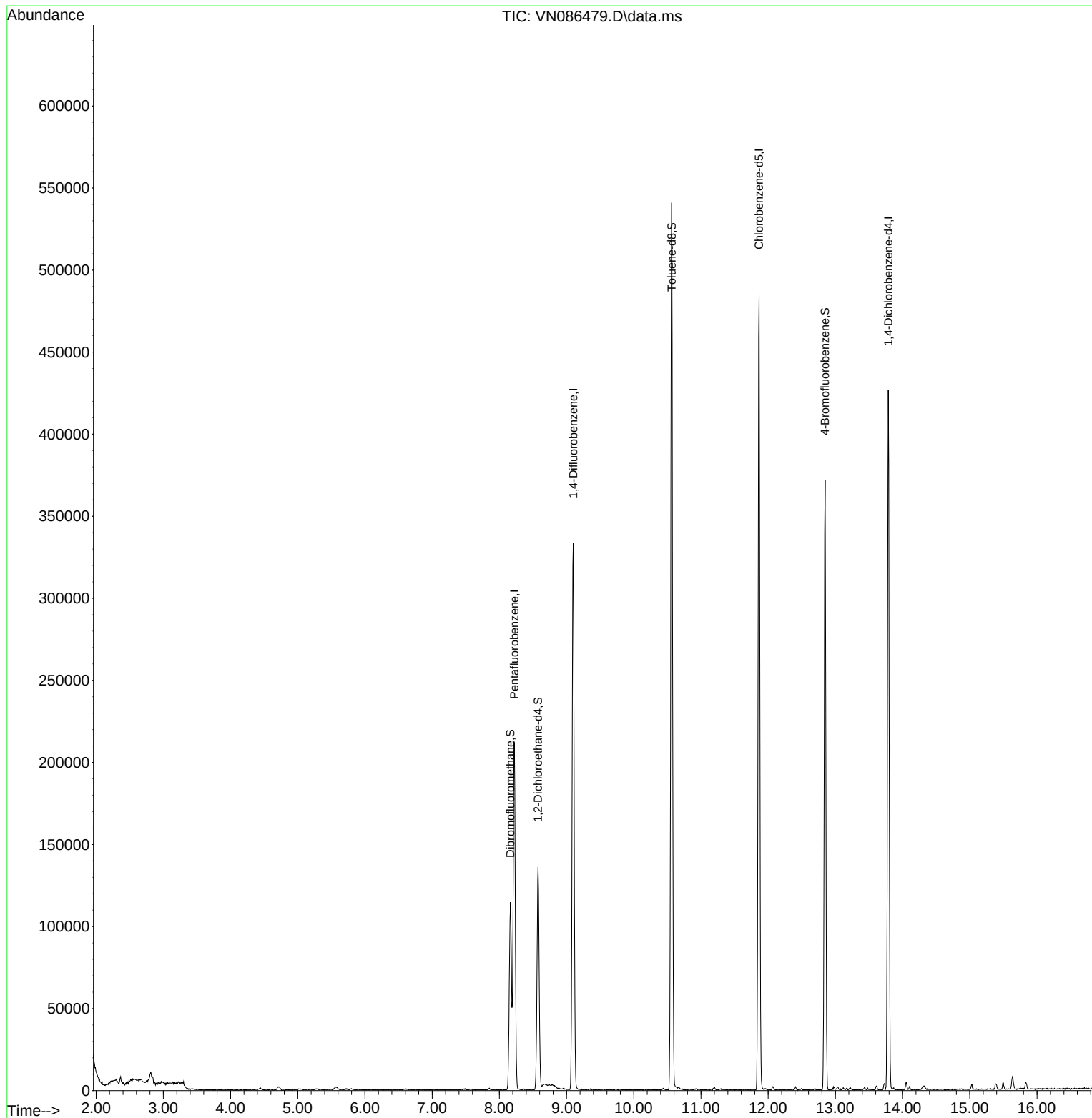
Target Compounds	Qvalue

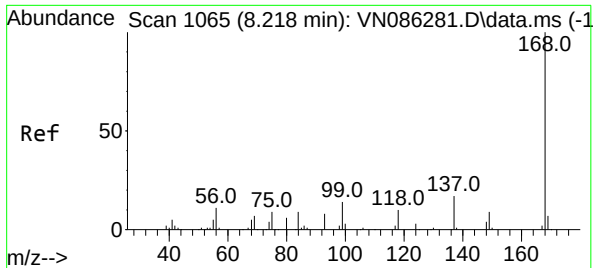
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

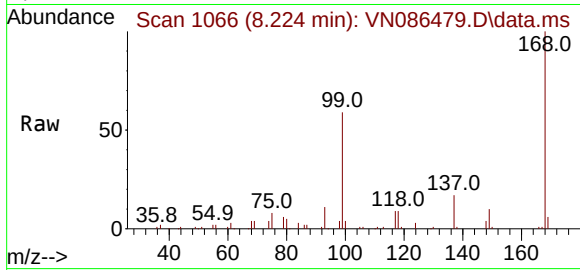
Quant Time: May 06 01:43:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



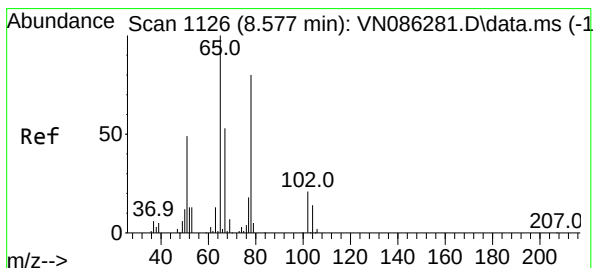
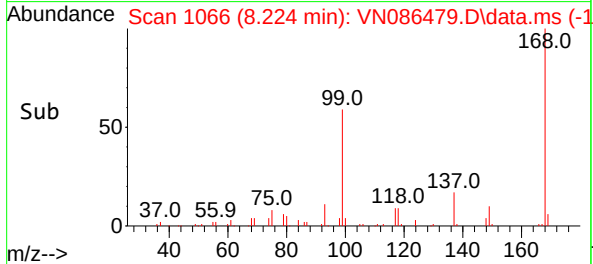
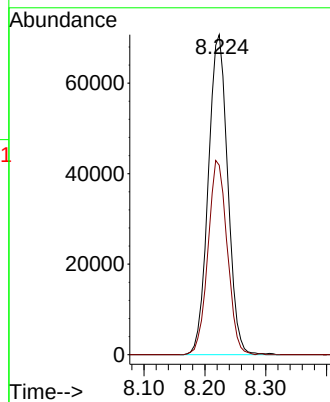


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

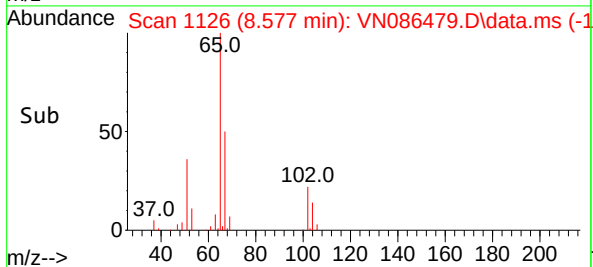
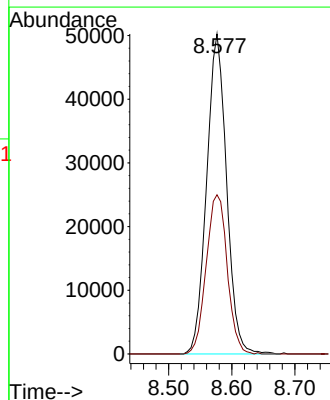
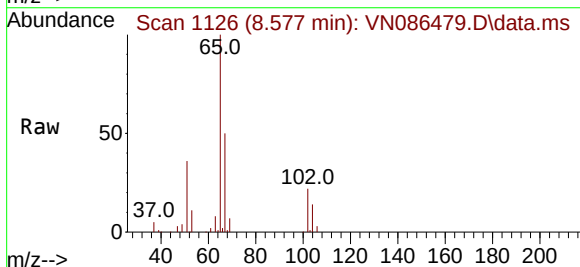


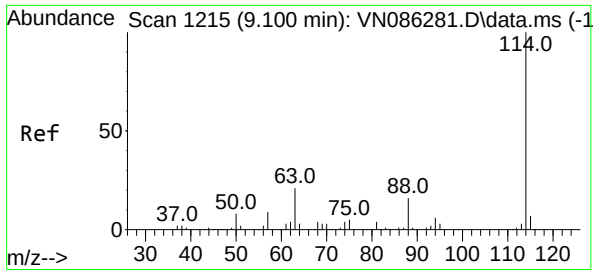
Tgt Ion:168 Resp: 156968
Ion Ratio Lower Upper
168 100
99 59.2 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 48.388 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion: 65 Resp: 110140
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086479.D

Acq: 05 May 2025 12:13

Instrument :

MSVOA_N

ClientSampleId :

VN0505MBL01

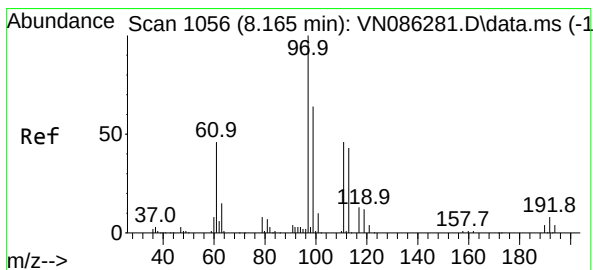
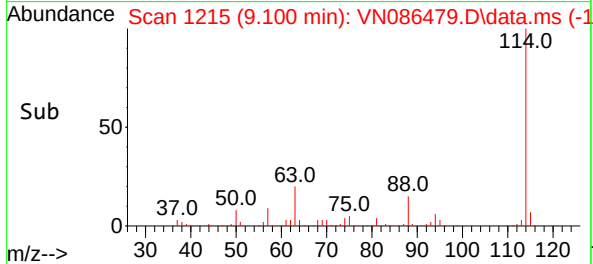
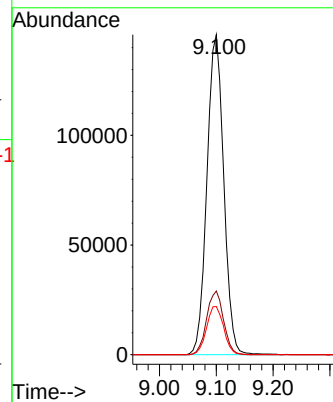
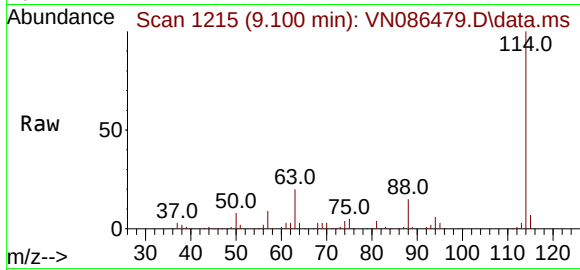
Tgt Ion:114 Resp: 298822

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.507 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086479.D

Acq: 05 May 2025 12:13

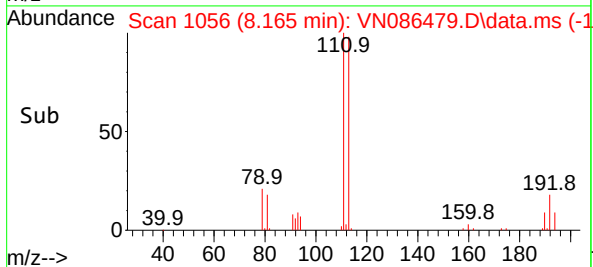
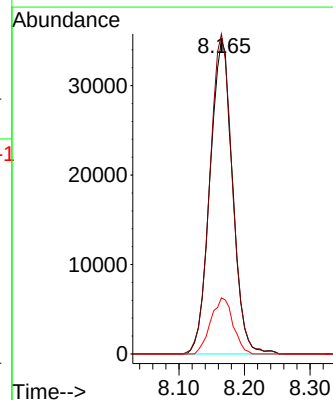
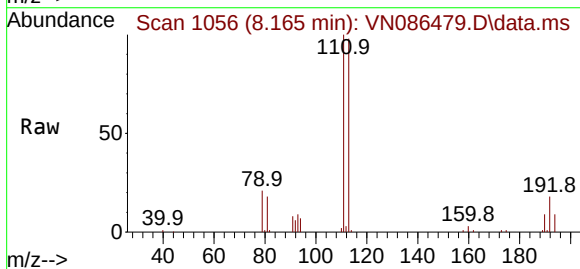
Tgt Ion:113 Resp: 83915

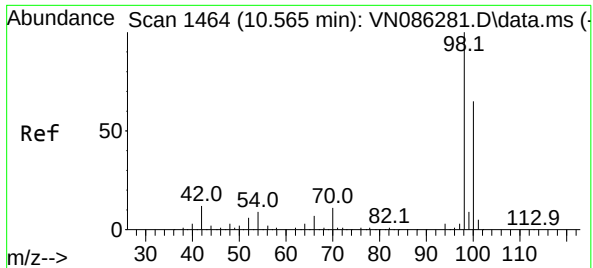
Ion Ratio Lower Upper

113 100

111 101.7 83.4 125.0

192 17.6 13.7 20.5

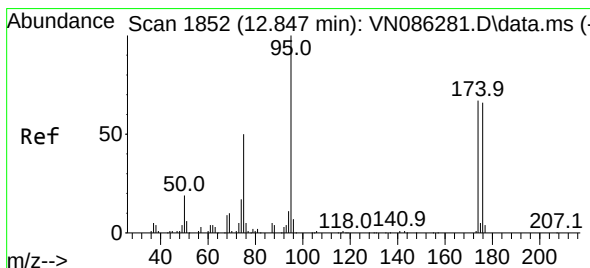
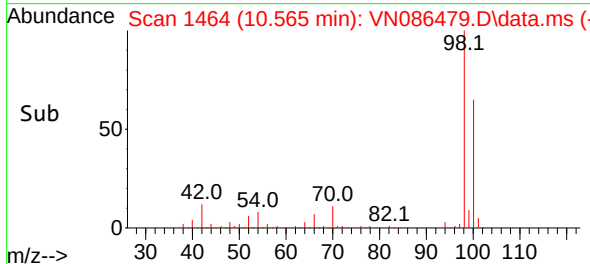
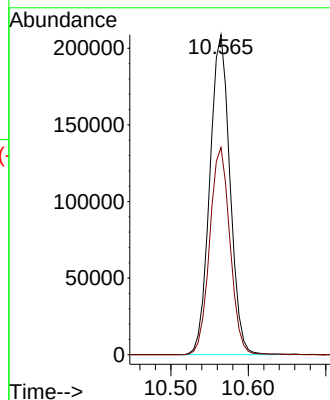
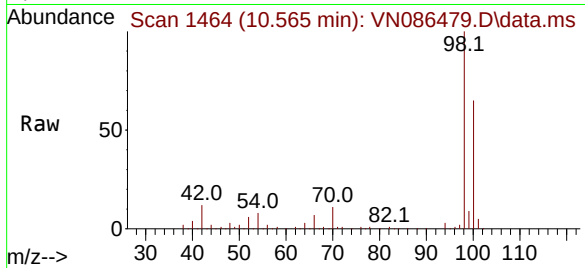




#50
Toluene-d8
Concen: 51.111 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

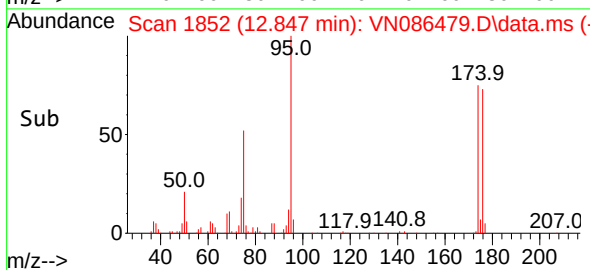
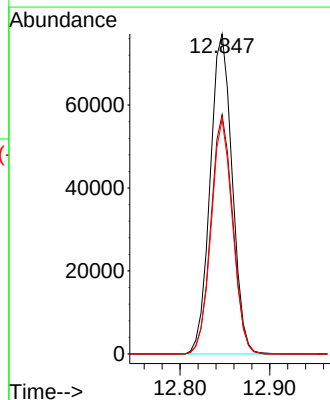
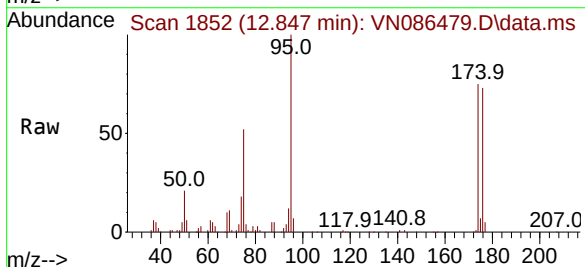
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

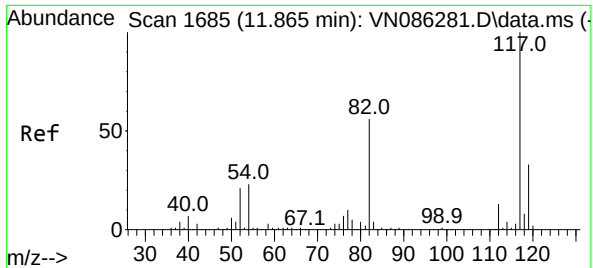
Tgt Ion: 98 Resp: 378837
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 48.562 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion: 95 Resp: 131288
Ion Ratio Lower Upper
95 100
174 74.1 0.0 133.4
176 71.7 0.0 129.2

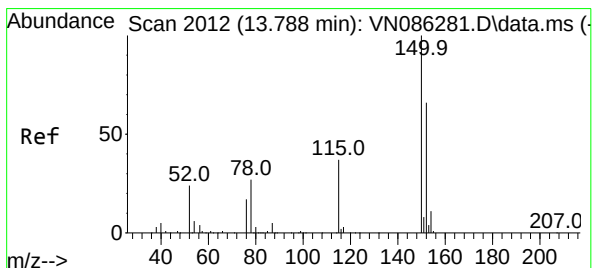
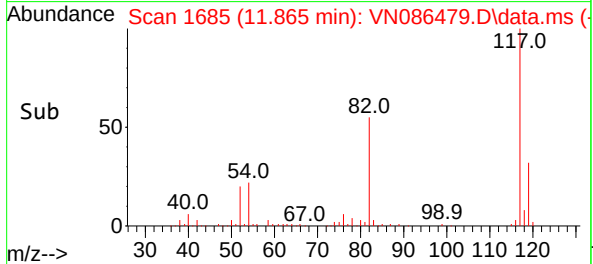
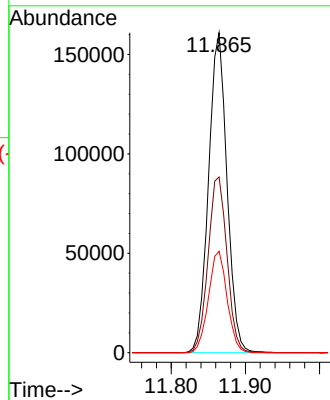
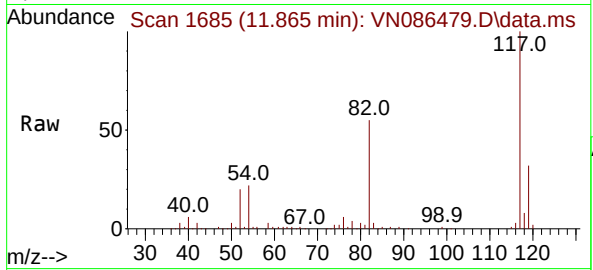




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

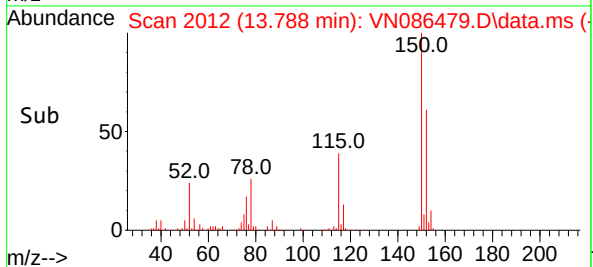
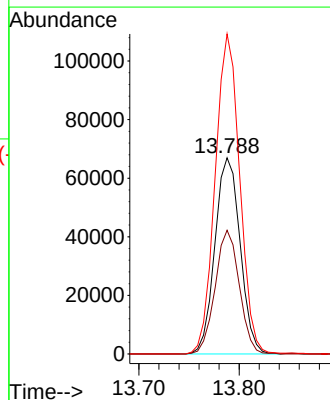
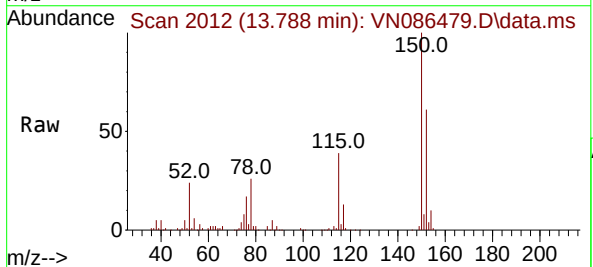
Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Tgt Ion:117 Resp: 277824
Ion Ratio Lower Upper
117 100
82 54.9 44.7 67.1
119 31.7 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086479.D
Acq: 05 May 2025 12:13

Tgt Ion:152 Resp: 117072
Ion Ratio Lower Upper
152 100
115 60.3 31.9 95.9
150 159.0 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

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\82N041525W.M

Title : SW846 8260

Signal : TIC: VN086479.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1045	1056	1060	rBV	114316	261128	26.38%	5.306%
2	8.218	1060	1065	1076	rVB	211808	469907	47.47%	9.548%
3	8.577	1116	1126	1136	rBV	135903	303241	30.63%	6.161%
4	9.100	1206	1215	1228	rBV	333244	680955	68.79%	13.836%
5	10.565	1456	1464	1479	rBV	540690	989964	100.00%	20.114%
6	11.865	1677	1685	1698	rBV	484864	851861	86.05%	17.308%
7	12.847	1844	1852	1860	rVB	371645	622553	62.89%	12.649%
8	13.788	2005	2012	2021	rVV	425917	727382	73.48%	14.779%
9	15.641	2320	2327	2334	rVB	8019	14721	1.49%	0.299%

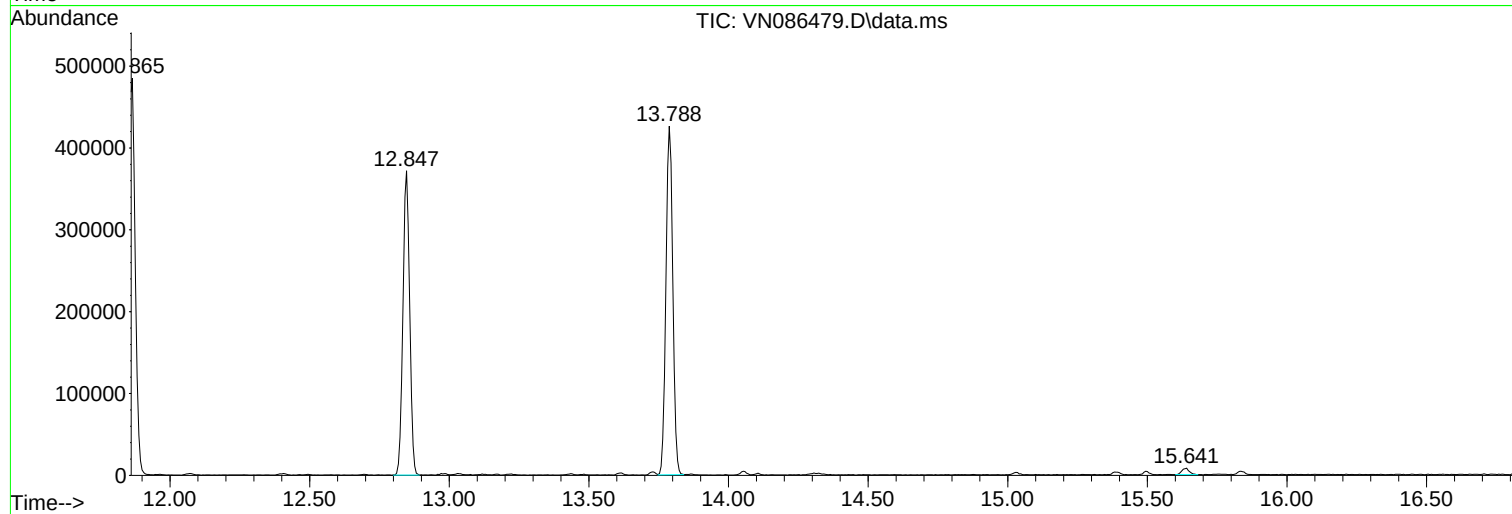
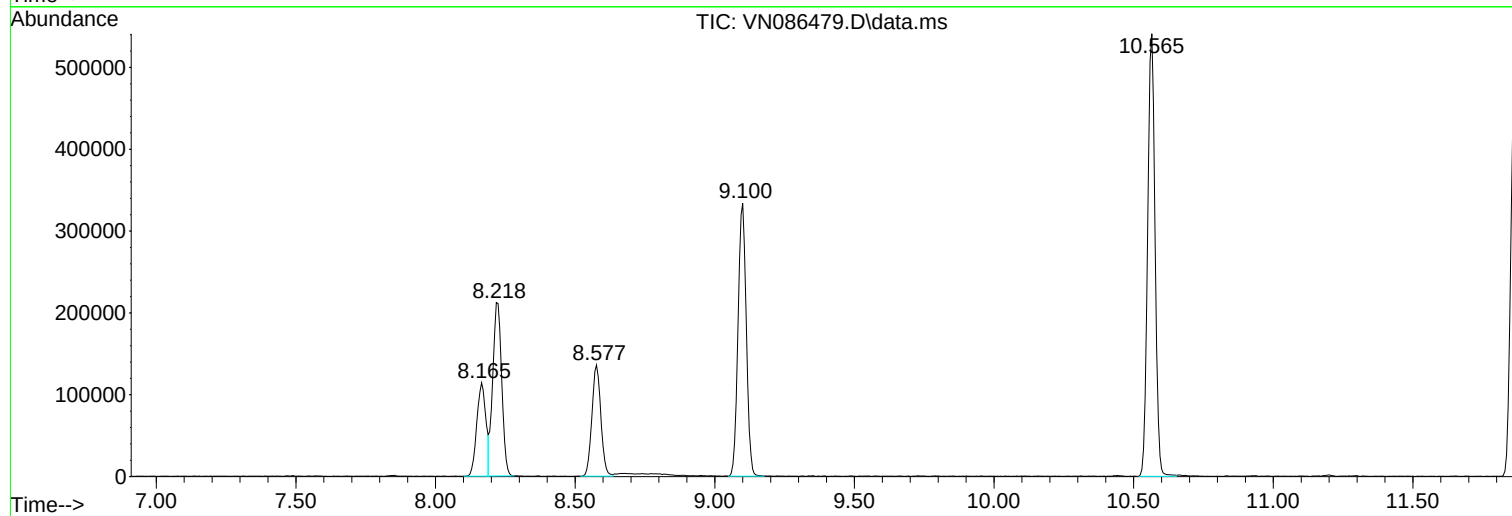
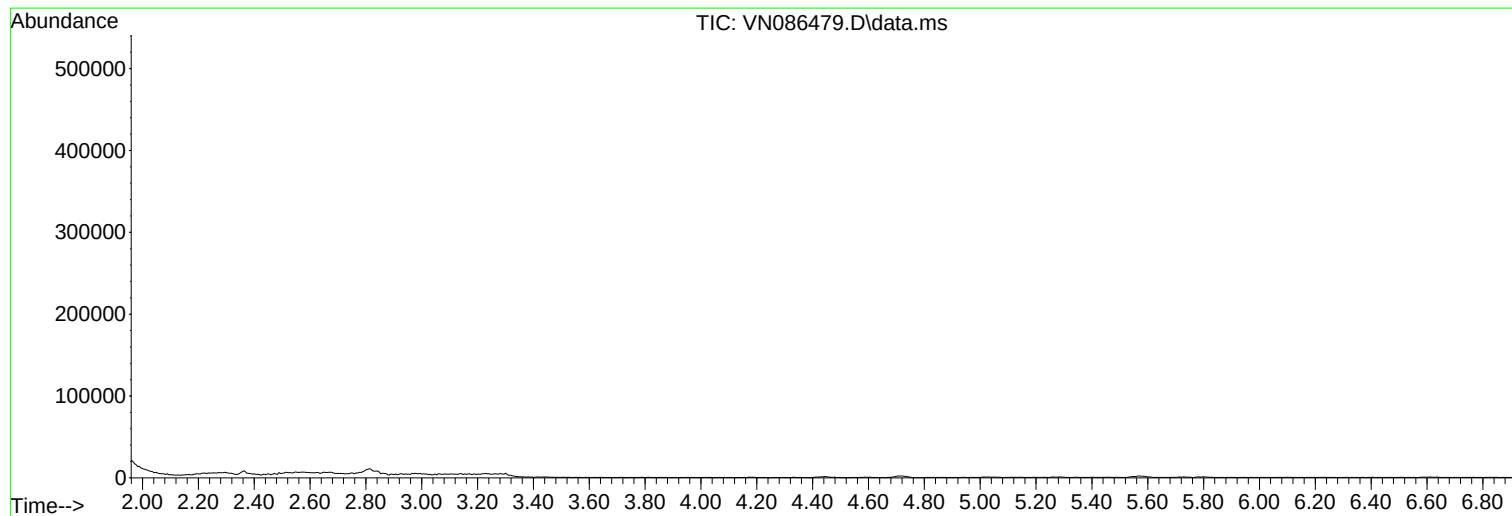
Sum of corrected areas: 4921712

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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\VN050525\
Data File : VN086479.D
Acq On : 05 May 2025 12:13
Operator : JC\MD
Sample : VN0505MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086505.D	1		05/06/25 11:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086505.D	1		05/06/25 11:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (63) - 130 (155)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	60.6		70 (70) - 130 (134)	121%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.224			
540-36-3	1,4-Difluorobenzene	361000	9.1			
3114-55-4	Chlorobenzene-d5	339000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.788			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086505.D	1		05/06/25 11:11	VN050625

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\VN050625\
 Data File : VN086505.D
 Acq On : 06 May 2025 11:11
 Operator : JC\MD
 Sample : VN0506MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBL01

Quant Time: May 07 02:53:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	194854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	360705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	339328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132474	46.884	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.760%
35) Dibromofluoromethane	8.165	113	101375	60.556	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	121.120%
50) Toluene-d8	10.565	98	453908	50.733	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.460%
62) 4-Bromofluorobenzene	12.847	95	158981	48.717	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.440%

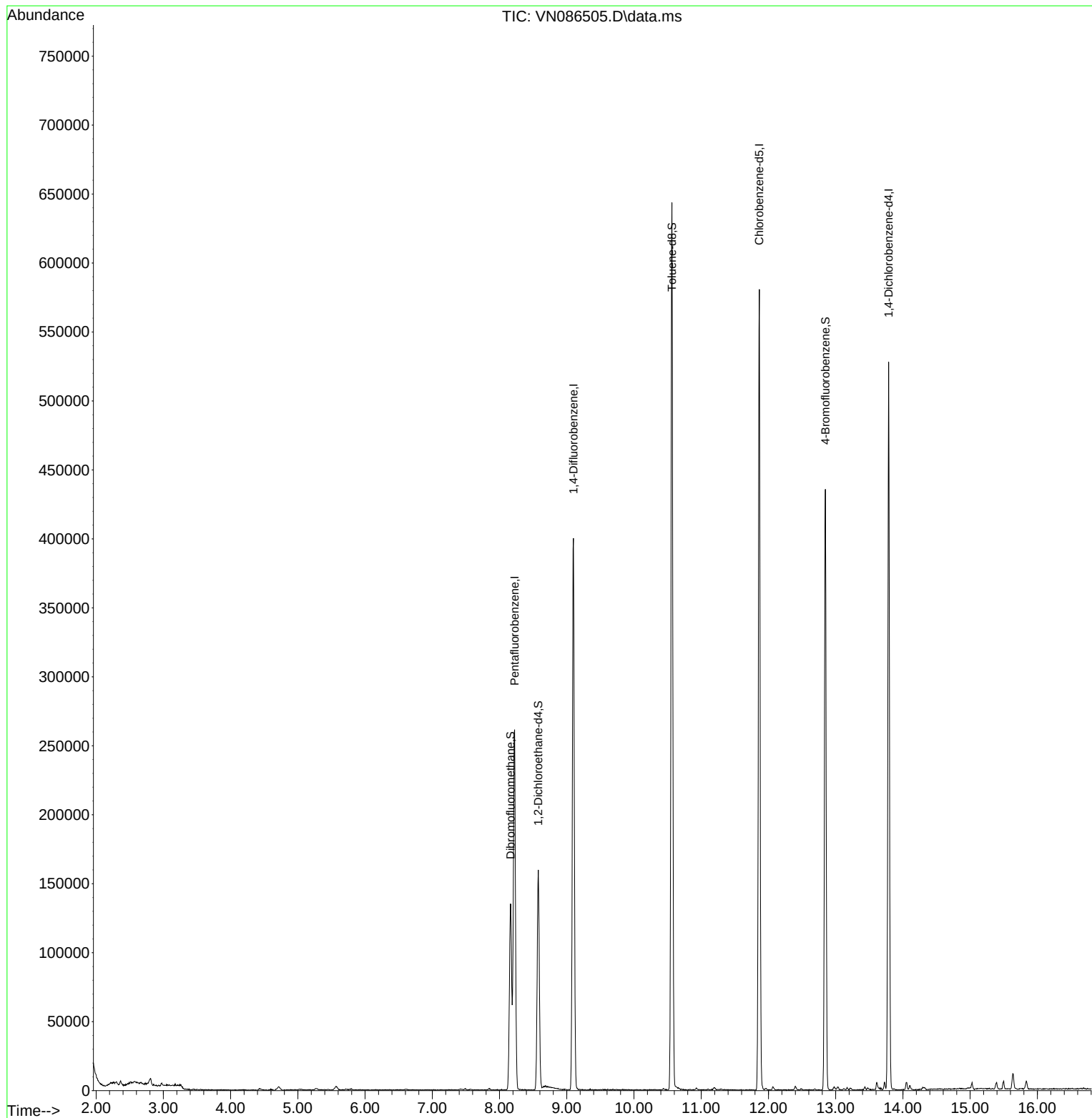
Target Compounds	Qvalue

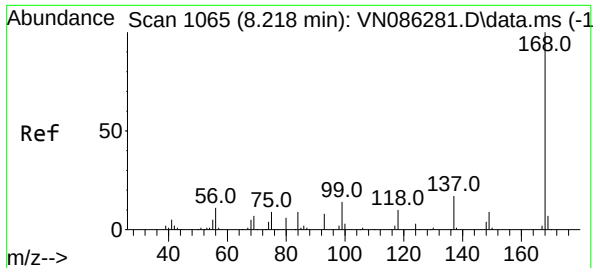
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Time: May 07 02:53:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

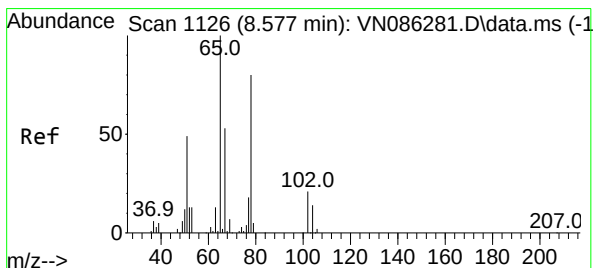
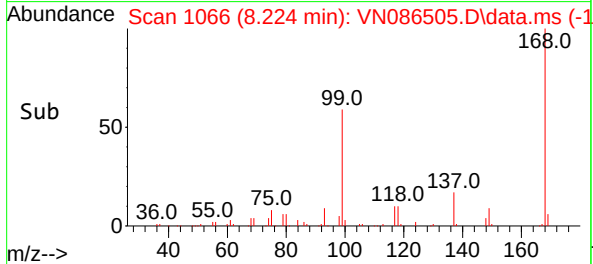
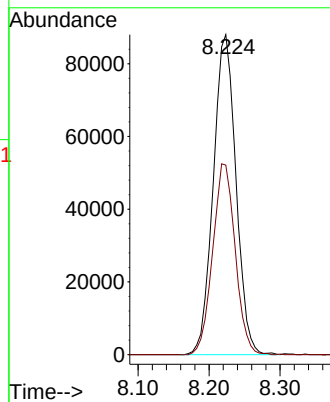
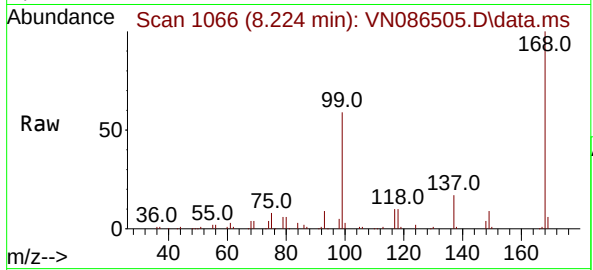




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

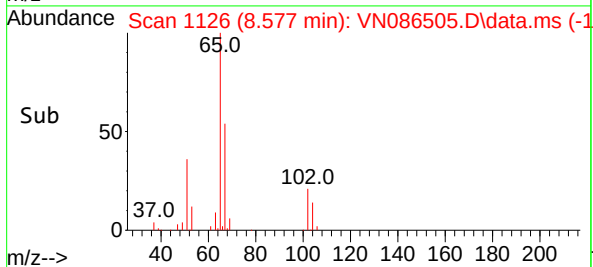
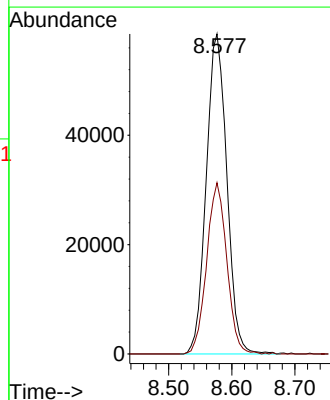
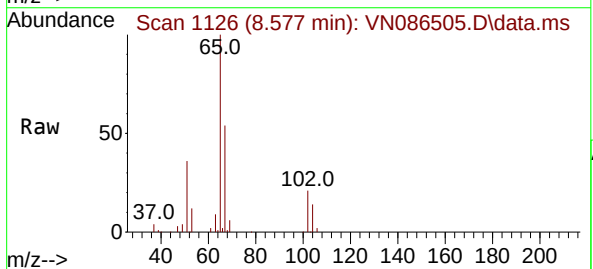
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

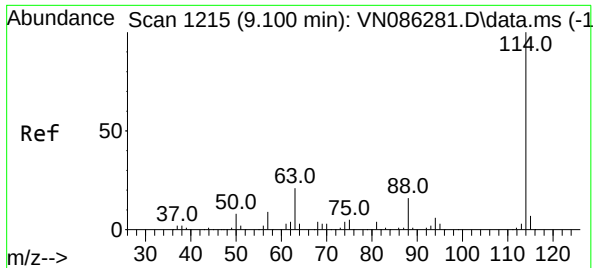
Tgt Ion:168 Resp: 194854
Ion Ratio Lower Upper
168 100
99 59.3 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 46.884 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion: 65 Resp: 132474
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086505.D

Acq: 06 May 2025 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0506MBL01

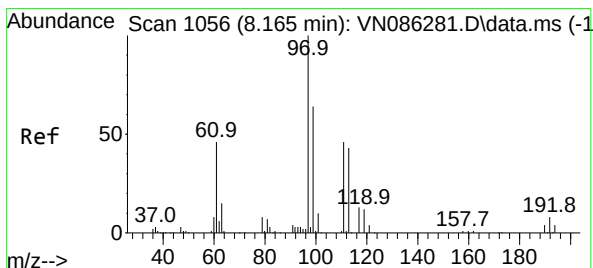
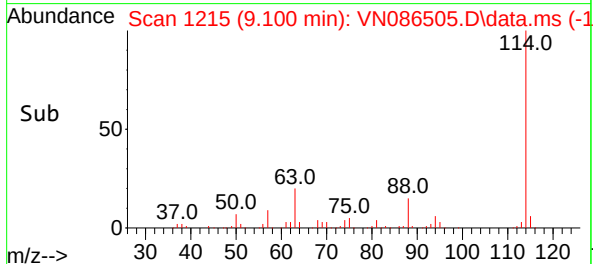
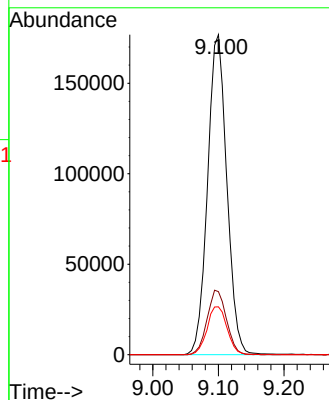
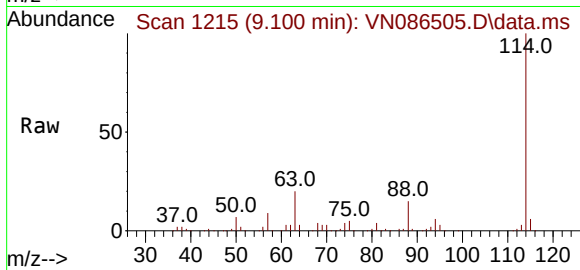
Tgt Ion:114 Resp: 360705

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.556 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086505.D

Acq: 06 May 2025 11:11

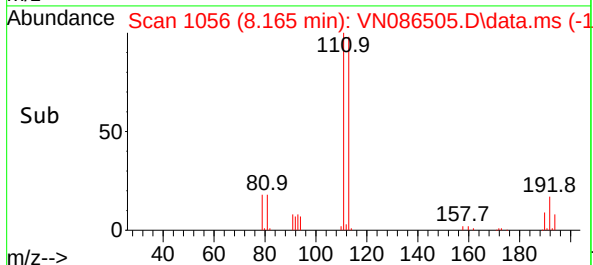
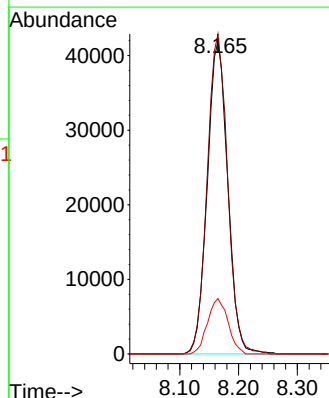
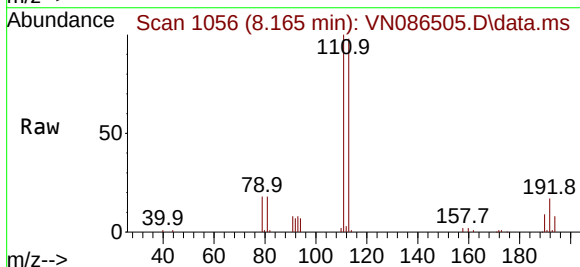
Tgt Ion:113 Resp: 101375

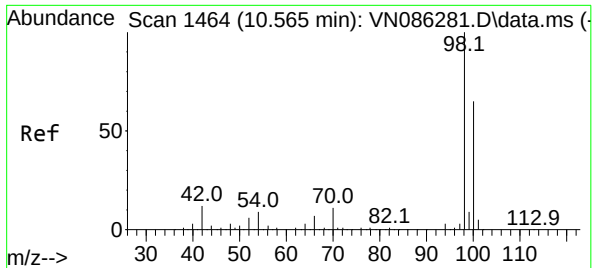
Ion Ratio Lower Upper

113 100

111 102.0 83.4 125.0

192 17.8 13.7 20.5

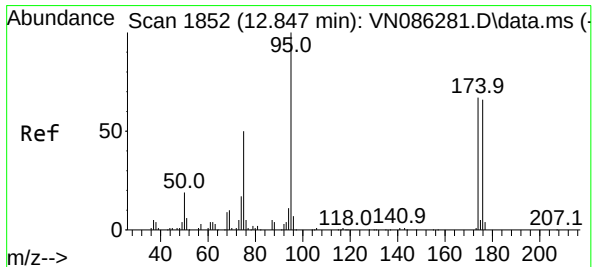
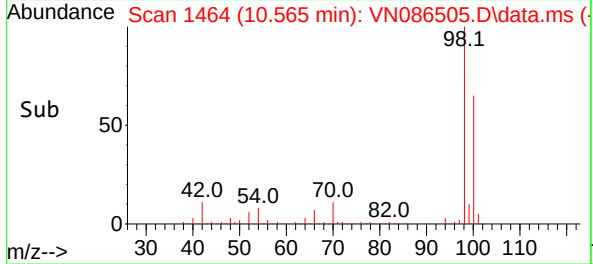
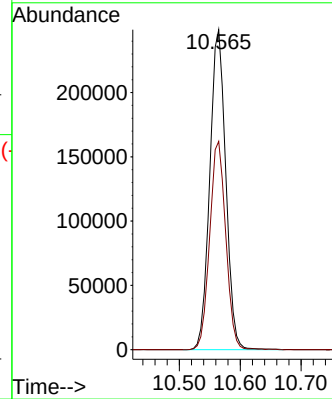
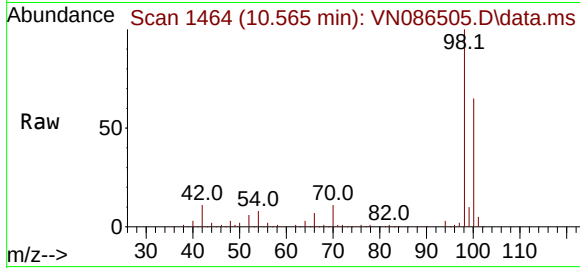




#50
Toluene-d8
Concen: 50.733 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

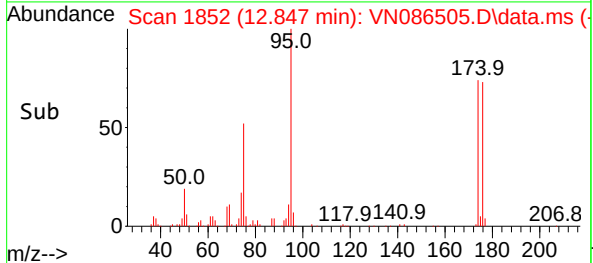
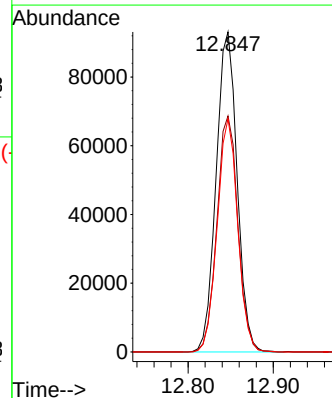
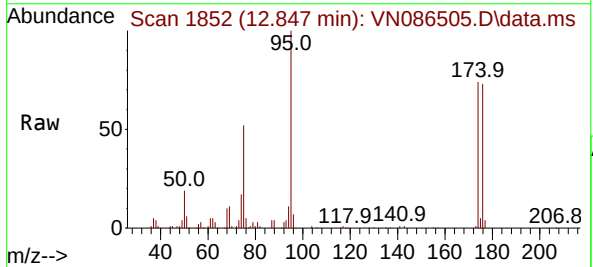
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

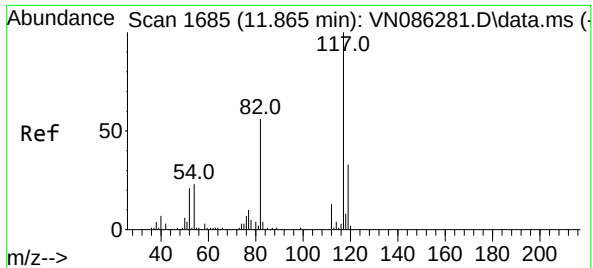
Tgt Ion: 98 Resp: 453908
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 48.717 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion: 95 Resp: 158981
Ion Ratio Lower Upper
95 100
174 74.0 0.0 133.4
176 71.1 0.0 129.2

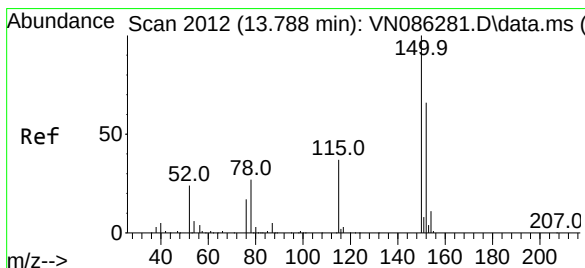
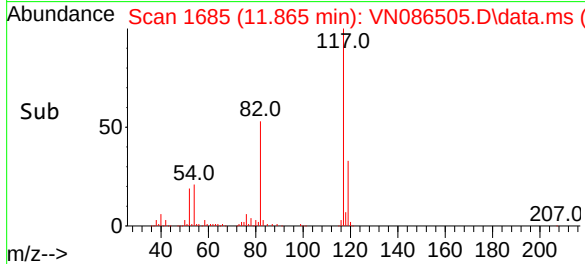
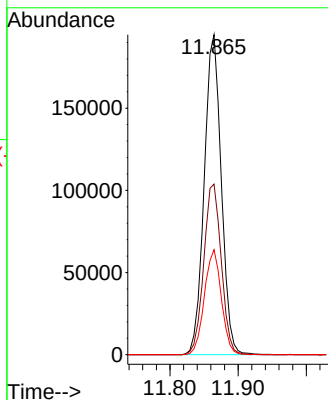
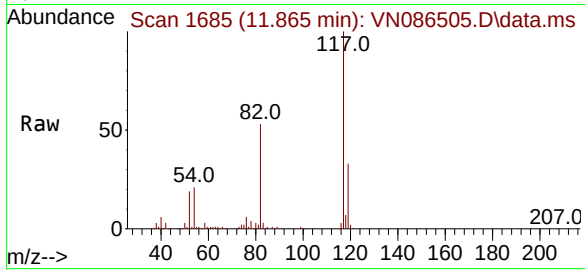




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

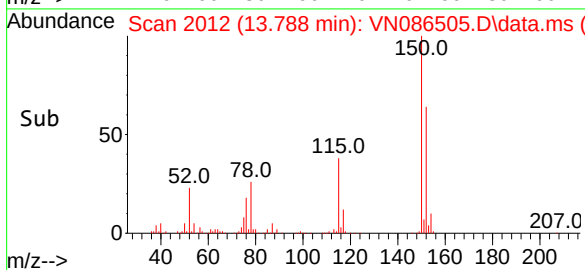
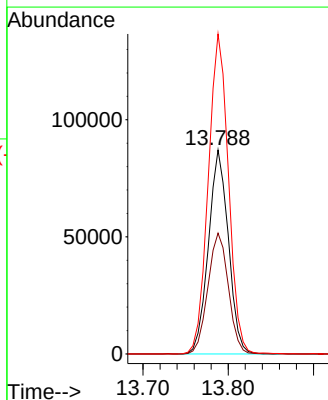
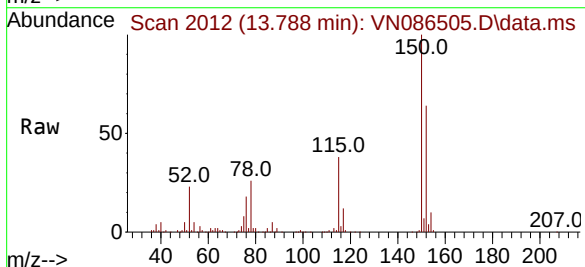
Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Tgt Ion:117 Resp: 339328
Ion Ratio Lower Upper
117 100
82 53.3 44.7 67.1
119 32.8 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086505.D
Acq: 06 May 2025 11:11

Tgt Ion:152 Resp: 141530
Ion Ratio Lower Upper
152 100
115 60.8 31.9 95.9
150 159.0 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

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\82N041525W.M

Title : SW846 8260

Signal : TIC: VN086505.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1046	1056	1060	rBV	134957	316199	26.80%	5.357%
2	8.224	1060	1066	1075	rVB	260623	577799	48.98%	9.789%
3	8.577	1116	1126	1135	rBV	159575	357947	30.34%	6.064%
4	9.100	1205	1215	1227	rBV	399919	815470	69.12%	13.815%
5	10.565	1452	1464	1479	rBV	643372	1179719	100.00%	19.986%
6	11.865	1677	1685	1697	rBV	580629	1023125	86.73%	17.333%
7	12.847	1844	1852	1862	rVB	435530	742483	62.94%	12.579%
8	13.788	2005	2012	2023	rVB	527403	868228	73.60%	14.709%
9	15.635	2321	2326	2338	rVB	11364	21638	1.83%	0.367%

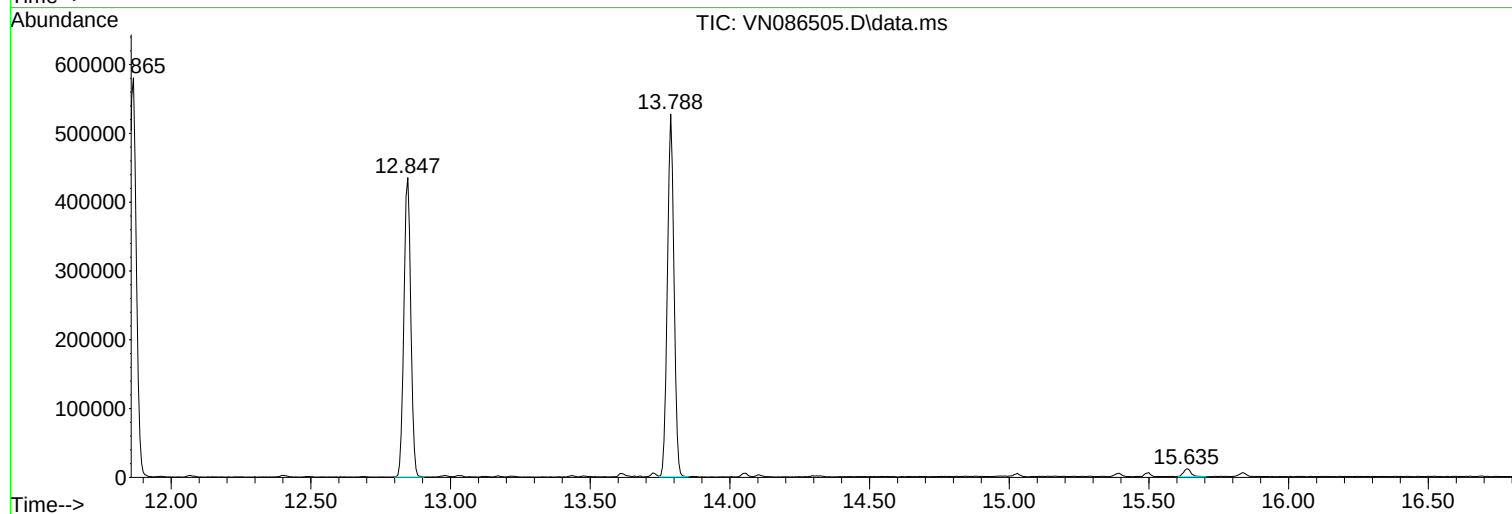
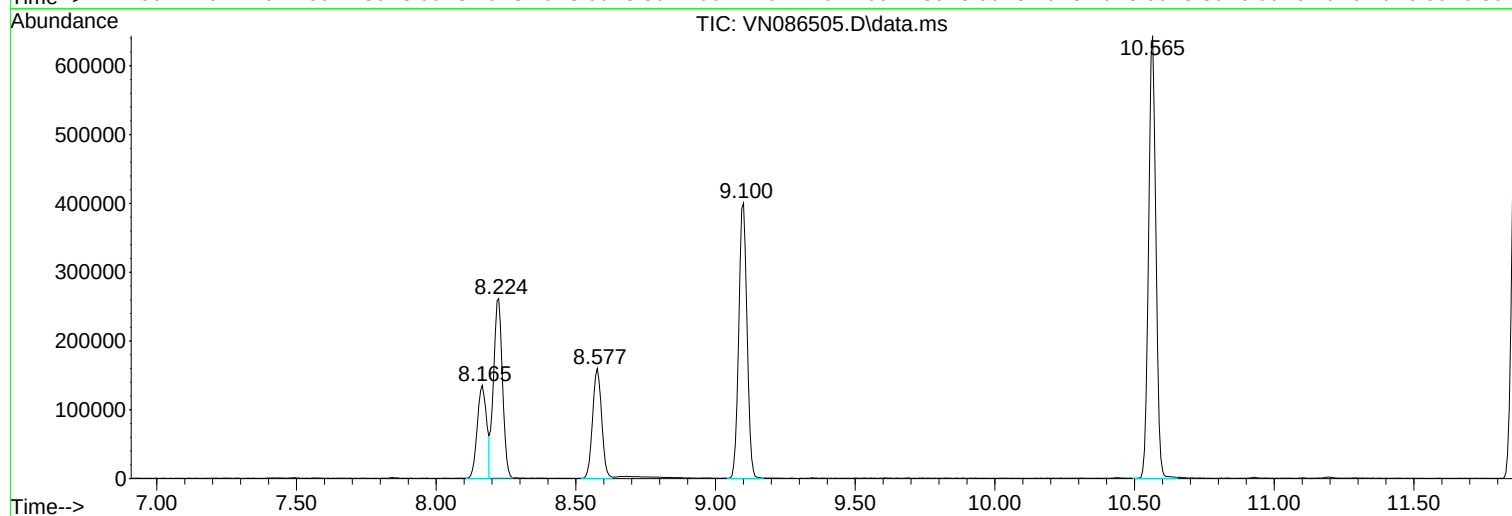
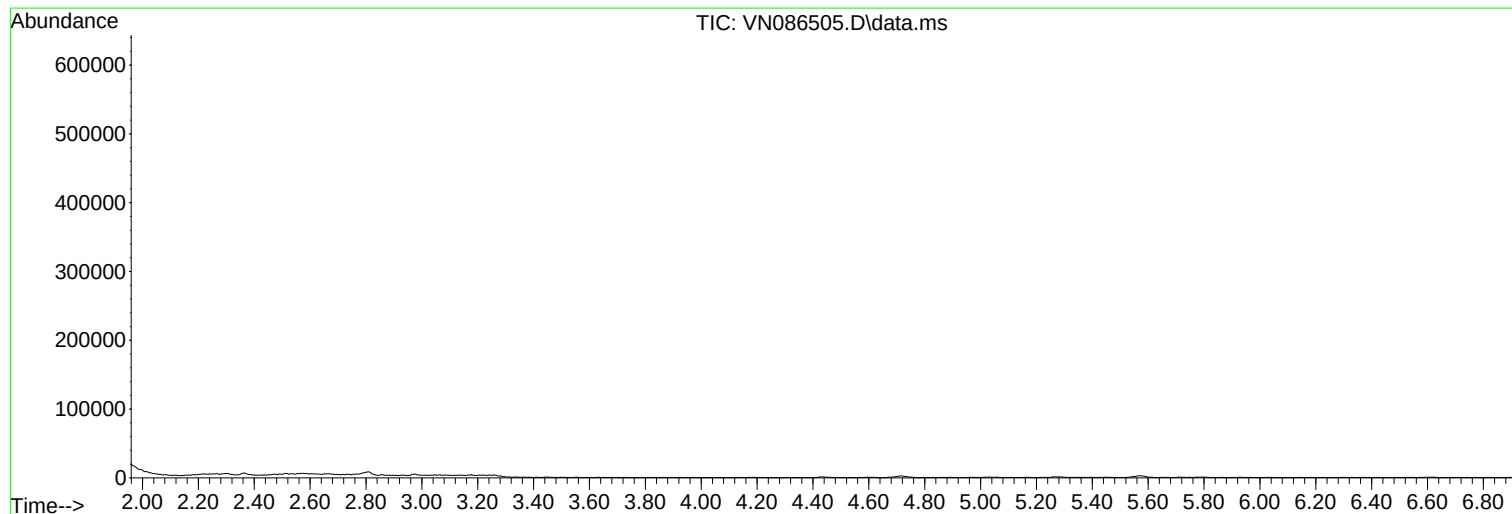
Sum of corrected areas: 5902608

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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\VN050625\
Data File : VN086505.D
Acq On : 06 May 2025 11:11
Operator : JC\MD
Sample : VN0506MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0509MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086554.D	1		05/09/25 11:34	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0509MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086554.D	1		05/09/25 11:34	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	63.4		70 (70) - 130 (134)	127%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	8.218			
540-36-3	1,4-Difluorobenzene	305000	9.1			
3114-55-4	Chlorobenzene-d5	284000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBL01	SDG No.:	Q1939
Lab Sample ID:	VN0509MBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086554.D	1		05/09/25 11:34	VN050925

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\VN050925\
 Data File : VN086554.D
 Acq On : 09 May 2025 11:34
 Operator : JC\MD
 Sample : VN0509MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBL01

Quant Time: May 09 23:24:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	161578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	304753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123333	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	114071	48.685	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.380%
35) Dibromofluoromethane	8.159	113	89742	63.449	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	126.900%#
50) Toluene-d8	10.565	98	382413	50.589	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.180%
62) 4-Bromofluorobenzene	12.847	95	133637	48.469	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.940%

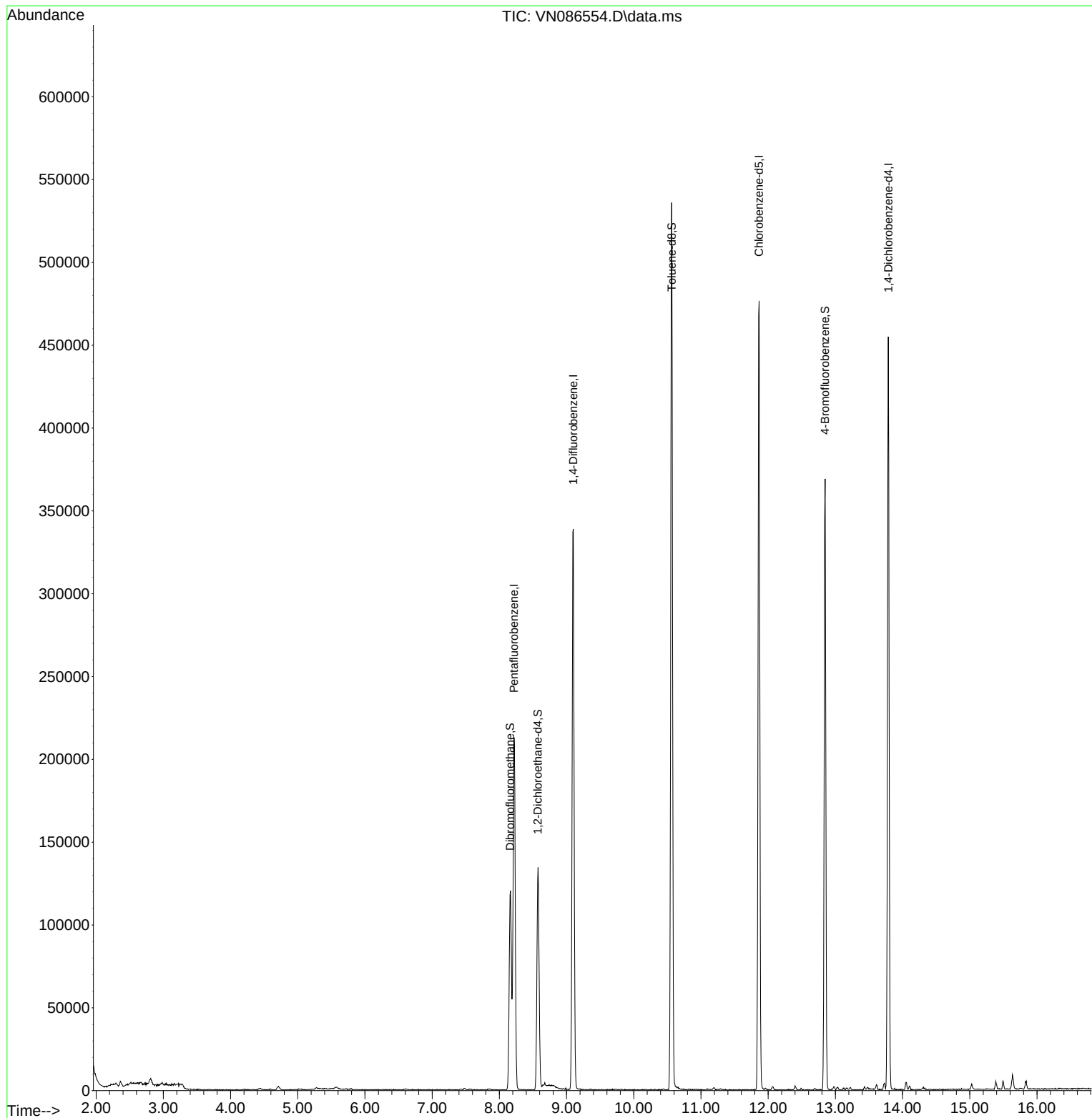
Target Compounds	Qvalue

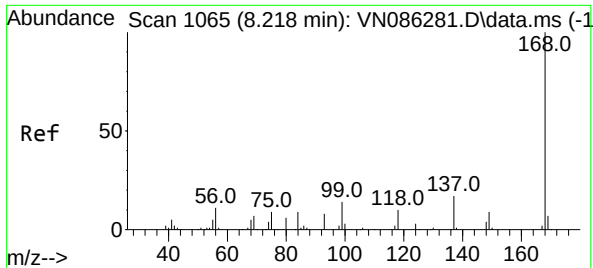
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Time: May 09 23:24:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

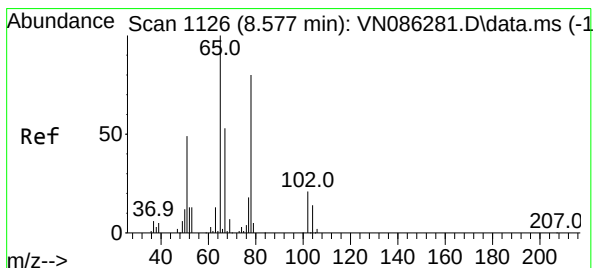
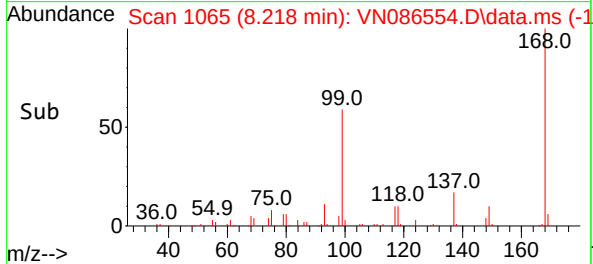
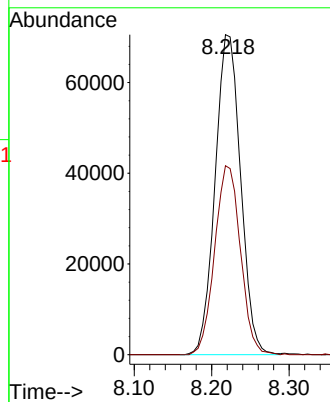
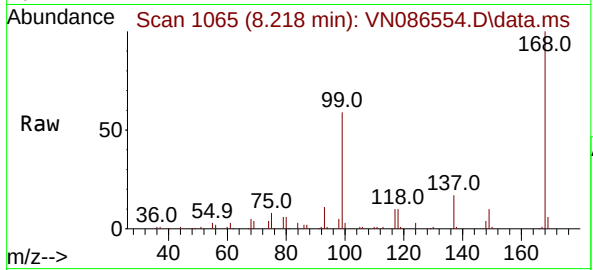




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

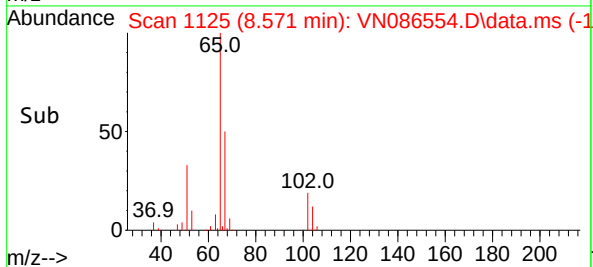
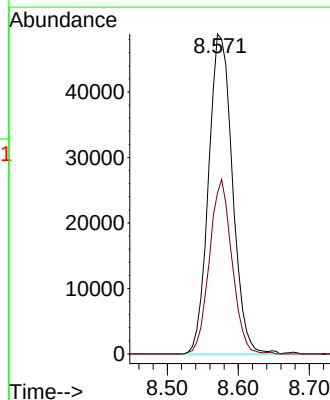
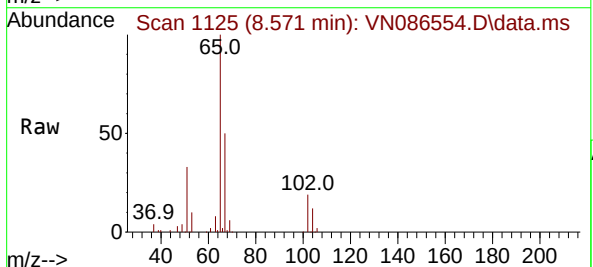
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

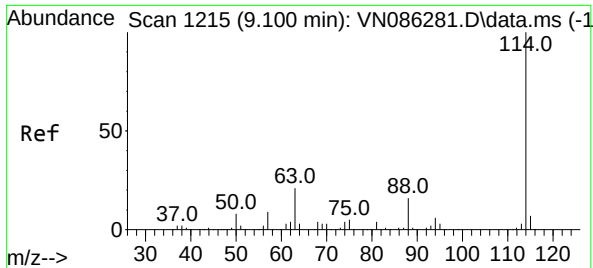
Tgt Ion:168 Resp: 161578
Ion Ratio Lower Upper
168 100
99 59.1 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 48.685 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion: 65 Resp: 114071
Ion Ratio Lower Upper
65 100
67 51.6 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086554.D

Acq: 09 May 2025 11:34

Instrument :

MSVOA_N

ClientSampleId :

VN0509MBL01

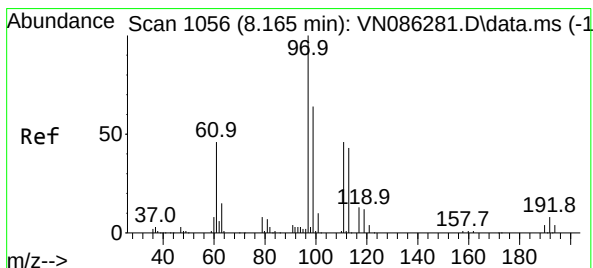
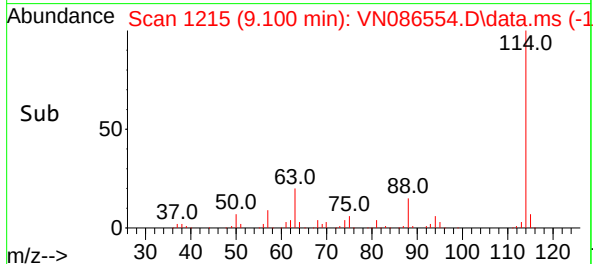
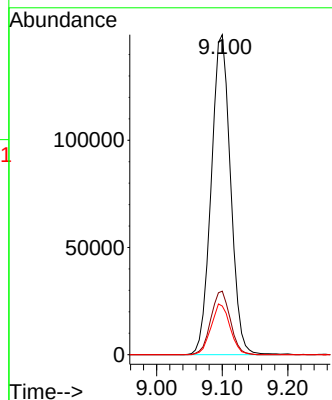
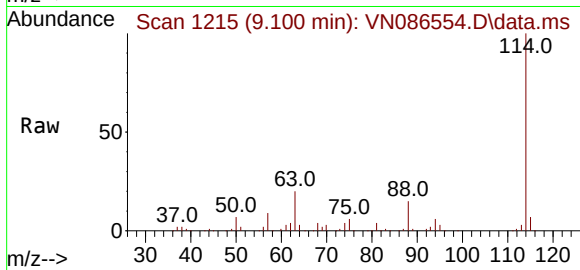
Tgt Ion:114 Resp: 304753

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.6

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.449 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086554.D

Acq: 09 May 2025 11:34

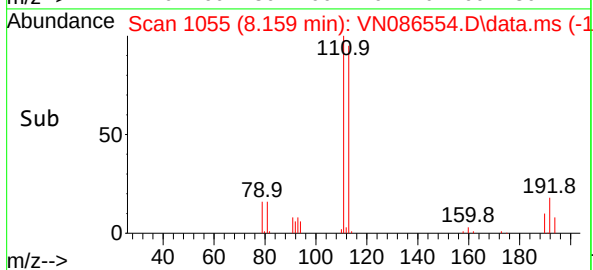
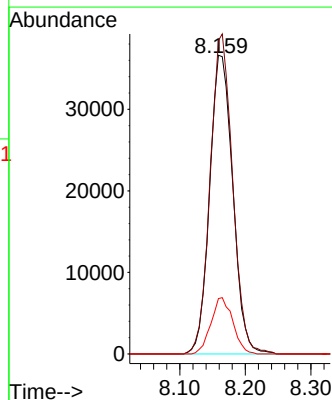
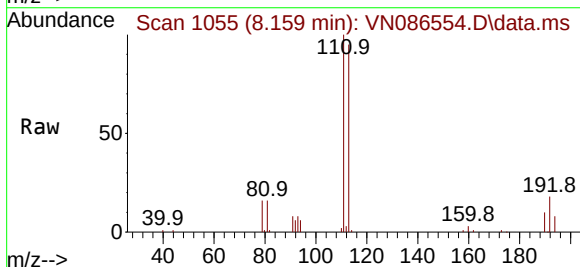
Tgt Ion:113 Resp: 89742

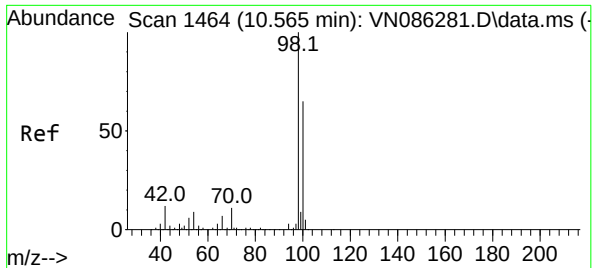
Ion Ratio Lower Upper

113 100

111 103.9 83.4 125.0

192 17.8 13.7 20.5

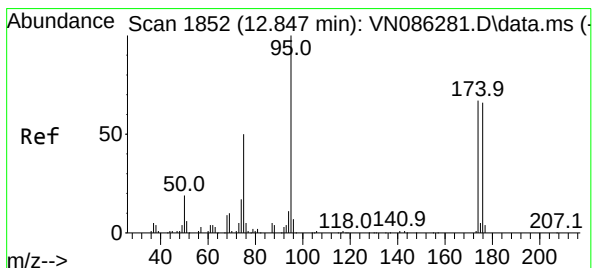
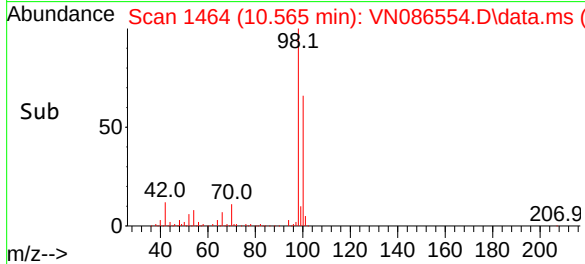
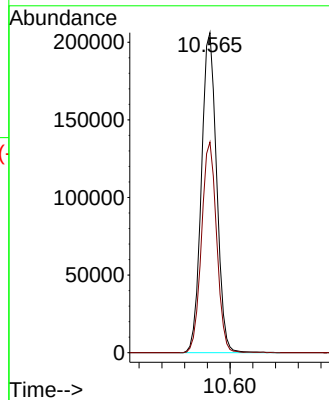
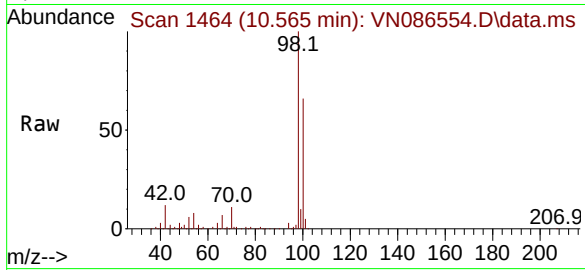




#50
Toluene-d8
Concen: 50.589 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

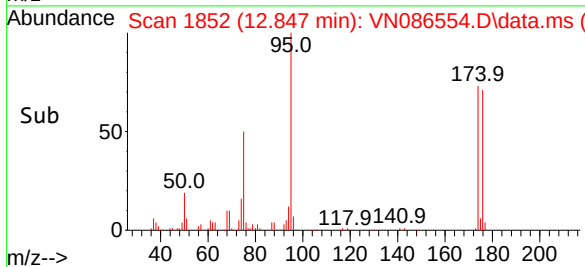
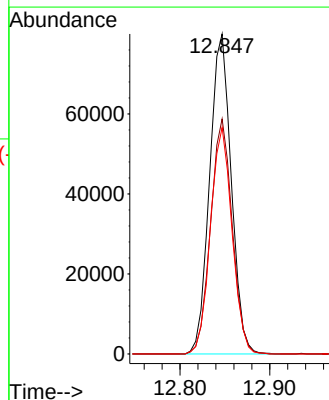
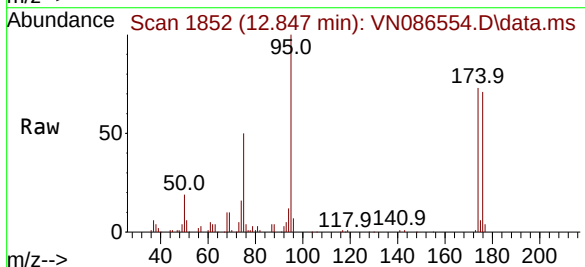
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

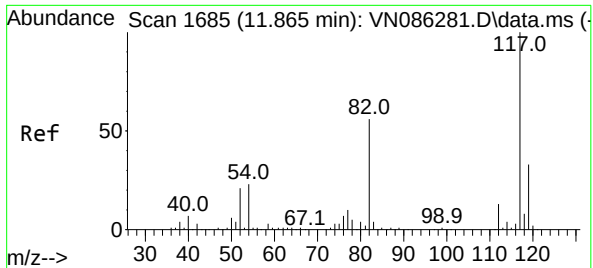
Tgt Ion: 98 Resp: 382413
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 48.469 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion: 95 Resp: 133637
Ion Ratio Lower Upper
95 100
174 73.6 0.0 133.4
176 70.7 0.0 129.2

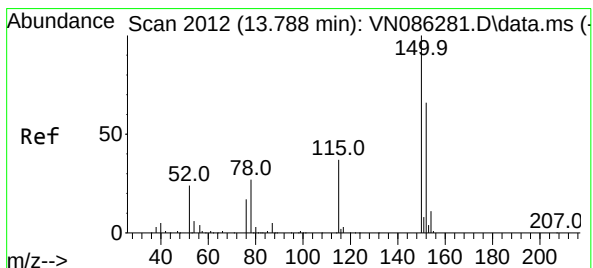
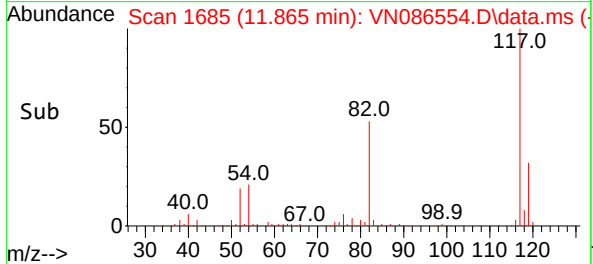
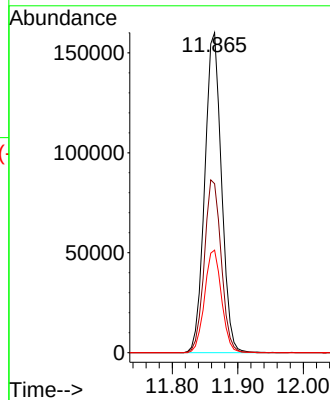
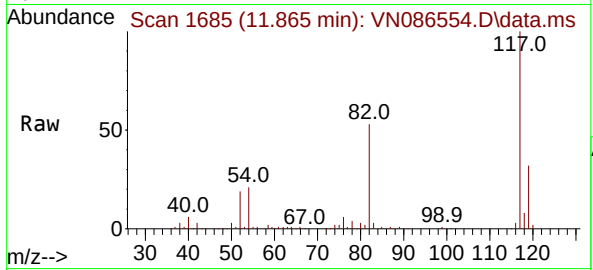




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

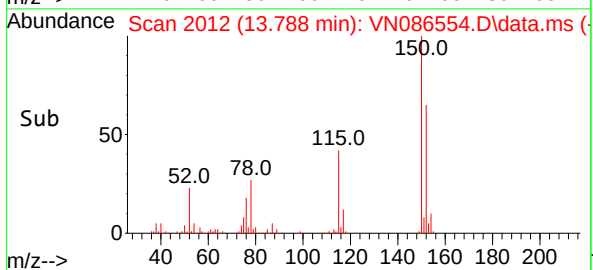
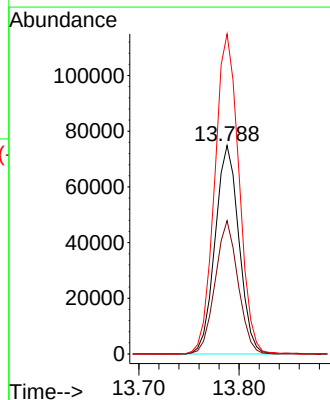
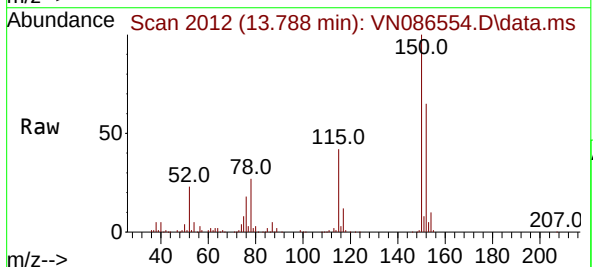
Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Tgt Ion:117 Resp: 283891
Ion Ratio Lower Upper
117 100
82 52.8 44.7 67.1
119 32.0 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086554.D
Acq: 09 May 2025 11:34

Tgt Ion:152 Resp: 123333
Ion Ratio Lower Upper
152 100
115 61.4 31.9 95.9
150 156.6 0.0 352.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

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\82N041525W.M

Title : SW846 8260

Signal : TIC: VN086554.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1043	1056	1060	rBV	120353	284947	28.78%	5.702%
2	8.218	1060	1065	1077	rVB	212574	479622	48.44%	9.598%
3	8.577	1116	1126	1135	rBV	134233	306350	30.94%	6.130%
4	9.100	1203	1215	1225	rBV	338531	691651	69.86%	13.841%
5	10.565	1456	1464	1474	rBV	535605	990074	100.00%	19.813%
6	11.865	1676	1685	1697	rBV	476266	856334	86.49%	17.136%
7	12.847	1845	1852	1863	rBV	368977	623248	62.95%	12.472%
8	13.788	2005	2012	2021	rVB	454178	748709	75.62%	14.983%
9	15.635	2320	2326	2337	rBV	8736	16217	1.64%	0.325%

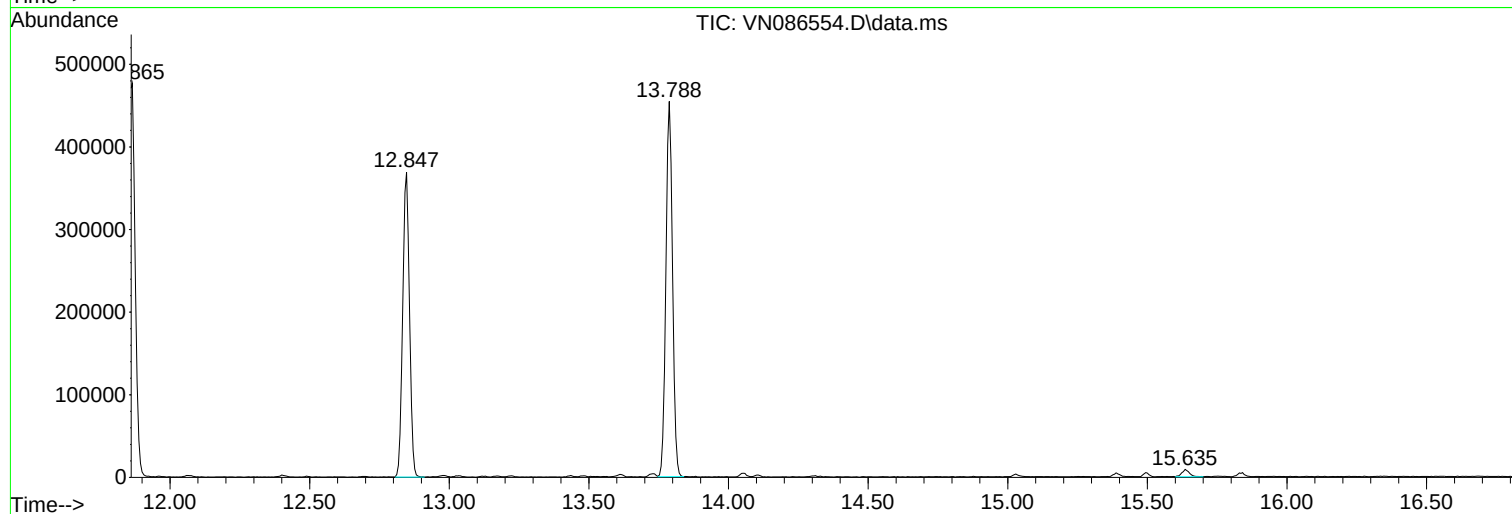
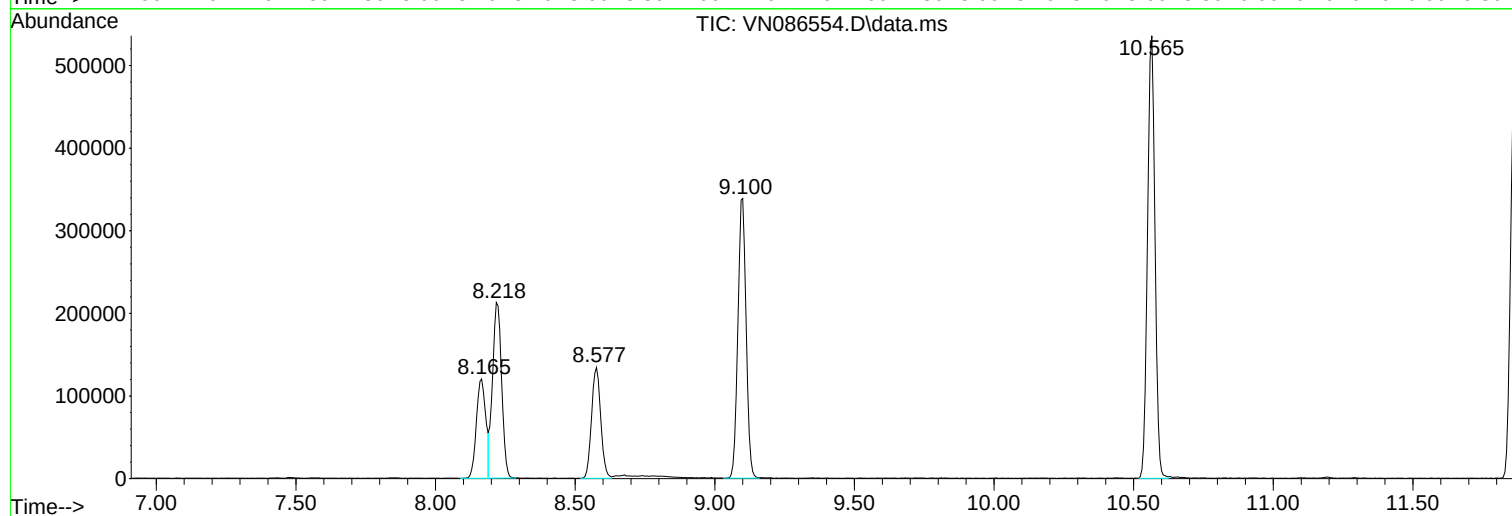
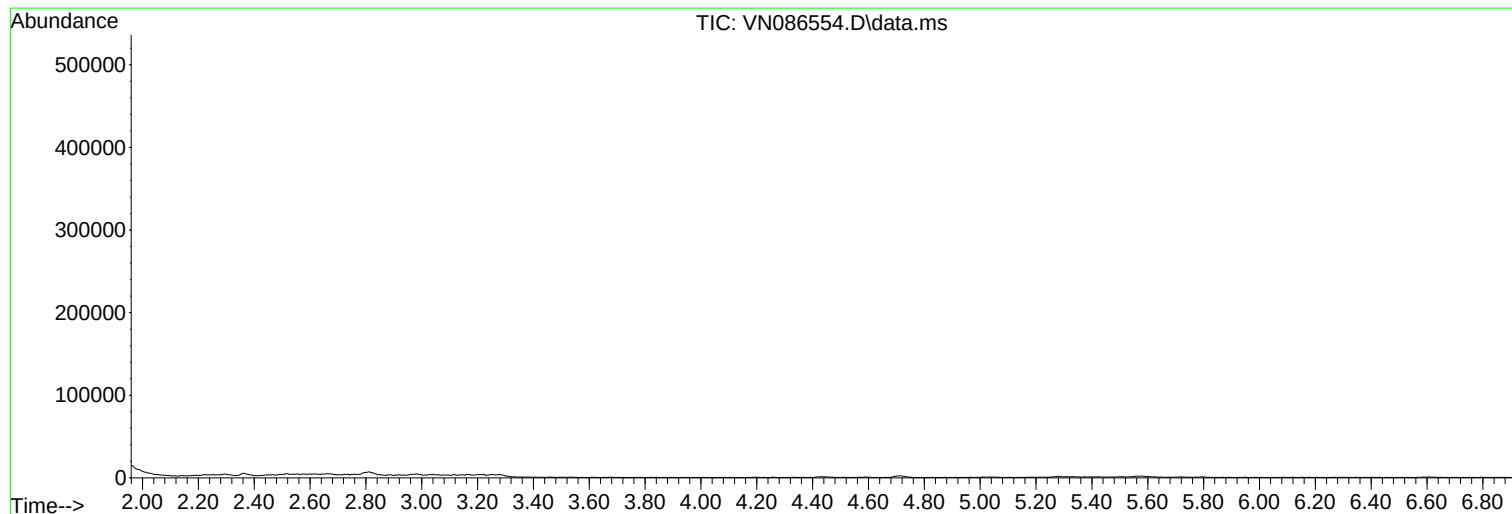
Sum of corrected areas: 4997152

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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\VN050925\
Data File : VN086554.D
Acq On : 09 May 2025 11:34
Operator : JC\MD
Sample : VN0509MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.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:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBL01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY022120.D	1		05/02/25 11:25	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VY0502SBL01		SDG No.:	Q1939
Lab Sample ID:	VY0502SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	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
VY022120.D	1		05/02/25 11:25	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	47.0		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.7		70 (38) - 130 (136)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	421000	7.707			
540-36-3	1,4-Difluorobenzene	767000	8.616			
3114-55-4	Chlorobenzene-d5	655000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	243000	13.346			



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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VY0502SBL01		SDG No.:	Q1939
Lab Sample ID:	VY0502SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	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
VY022120.D	1		05/02/25 11:25	VY050225

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_Y\Data\VY050225\
 Data File : VY022120.D
 Acq On : 02 May 2025 11:25
 Operator : SY/MD
 Sample : VY0502SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0502SBL01

Quant Time: May 03 02:49:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	420631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	766740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	655107	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	242655	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	190184	48.950	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.900%
35) Dibromofluoromethane	7.634	113	246463	48.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.320%
50) Toluene-d8	10.103	98	896764	46.959	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.920%
62) 4-Bromofluorobenzene	12.408	95	364820	56.748	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	113.500%

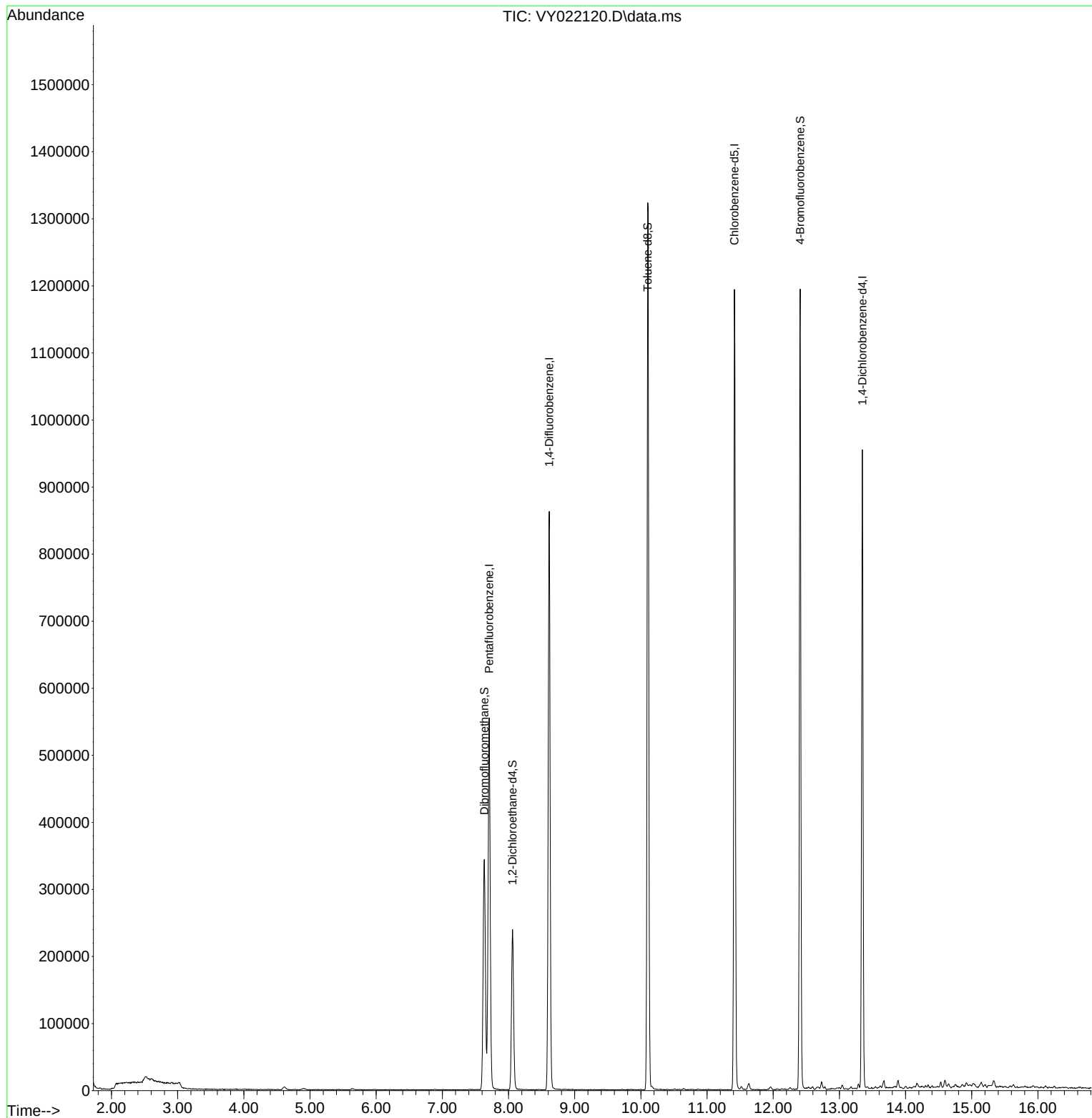
Target Compounds	Qvalue

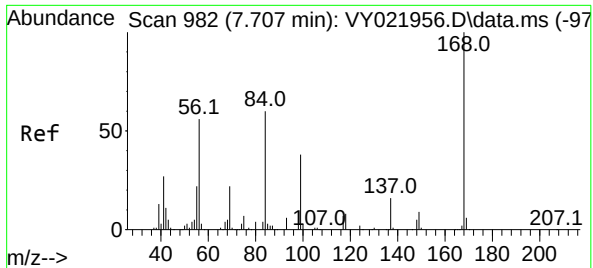
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Time: May 03 02:49:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

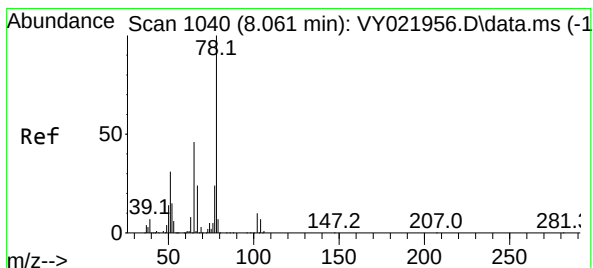
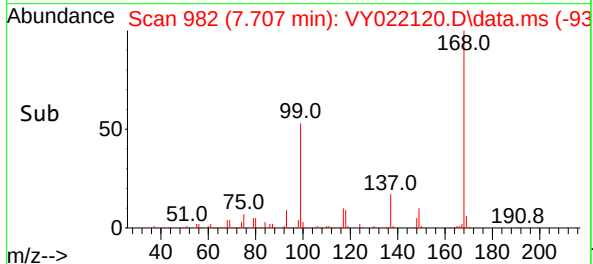
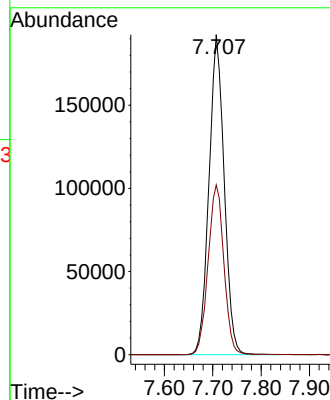
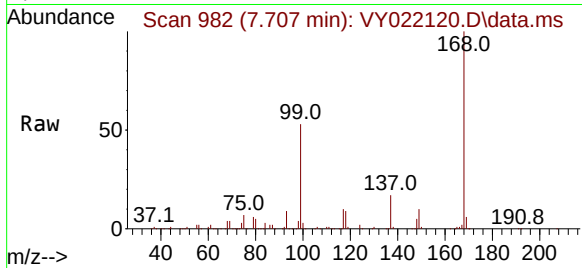




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

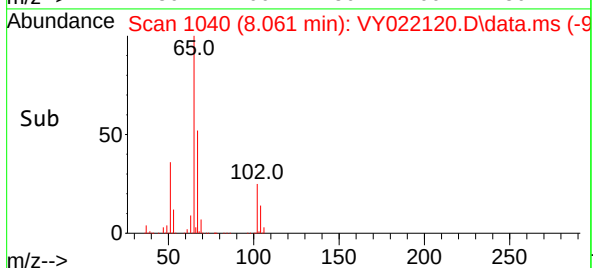
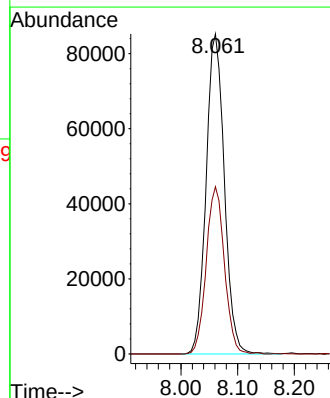
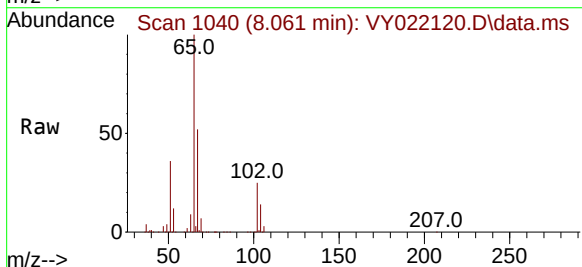
Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

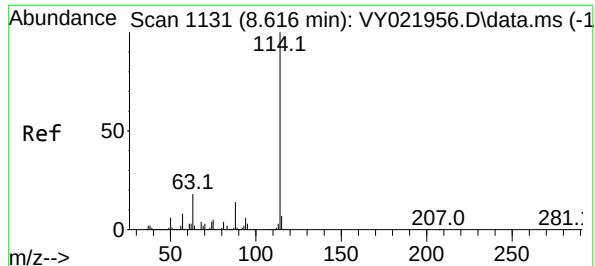
Tgt Ion:168 Resp: 420631
Ion Ratio Lower Upper
168 100
99 53.1 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 48.950 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Tgt Ion: 65 Resp: 190184
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022120.D

Acq: 02 May 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0502SBL01

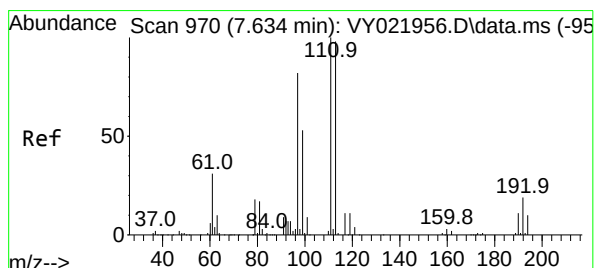
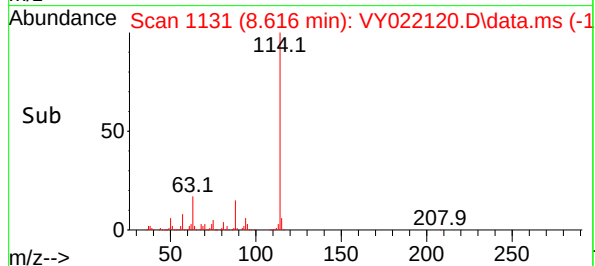
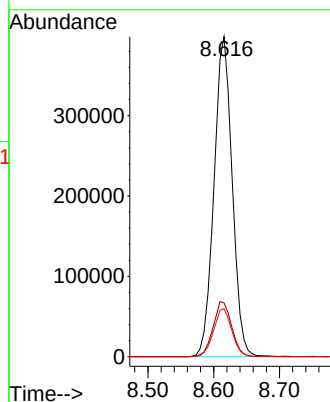
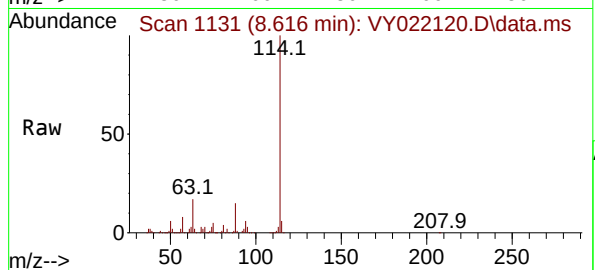
Tgt Ion:114 Resp: 766740

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.4

88 15.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 48.655 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY022120.D

Acq: 02 May 2025 11:25

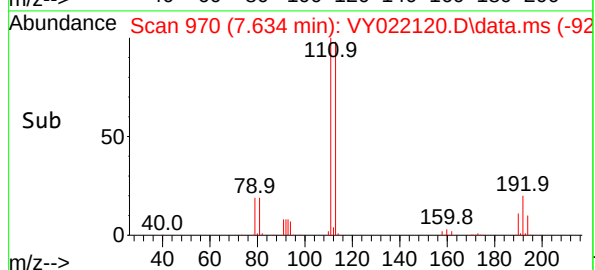
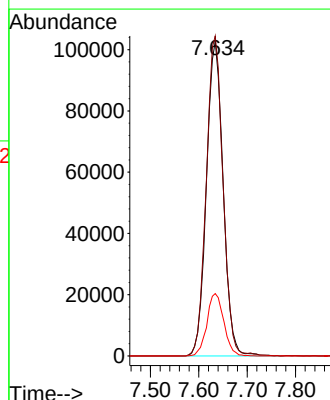
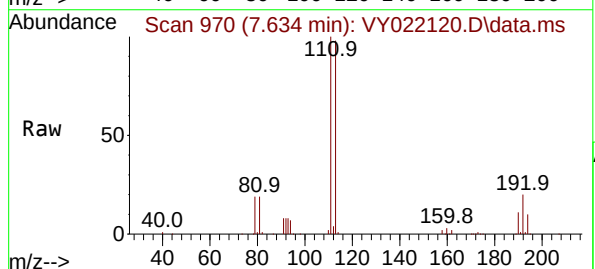
Tgt Ion:113 Resp: 246463

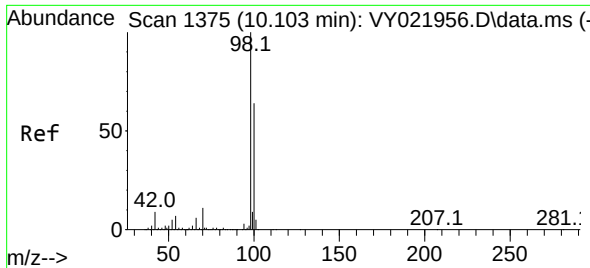
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 20.1 15.6 23.4

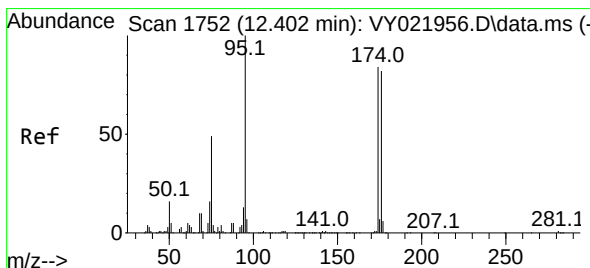
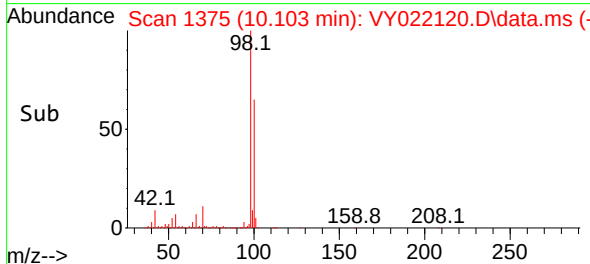
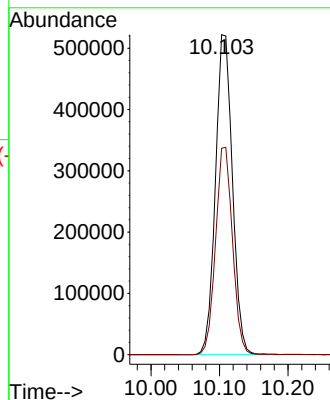
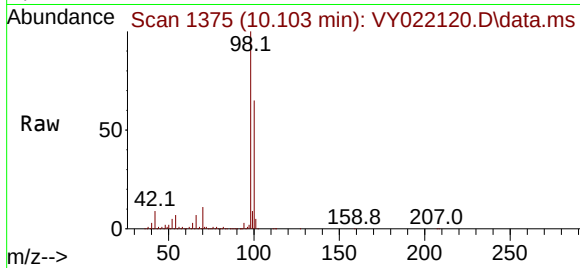




#50
Toluene-d8
Concen: 46.959 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

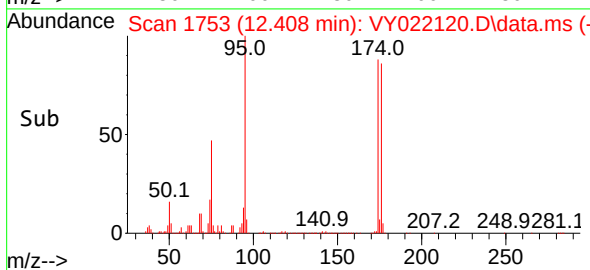
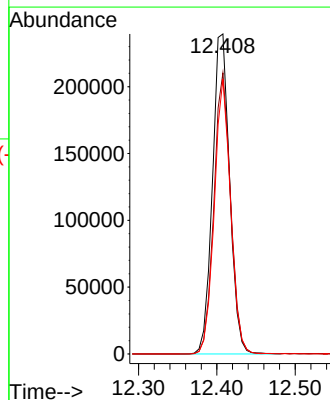
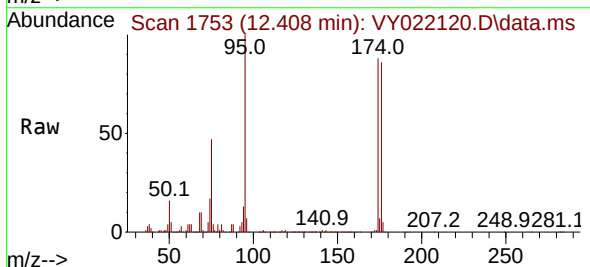
Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

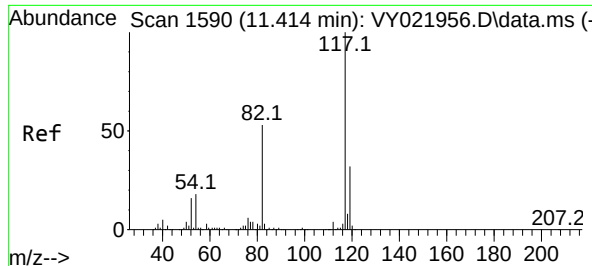
Tgt Ion: 98 Resp: 896764
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 56.748 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022120.D
Acq: 02 May 2025 11:25

Tgt Ion: 95 Resp: 364820
Ion Ratio Lower Upper
95 100
174 85.7 0.0 179.0
176 81.7 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY022120.D

Acq: 02 May 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

VY0502SBL01

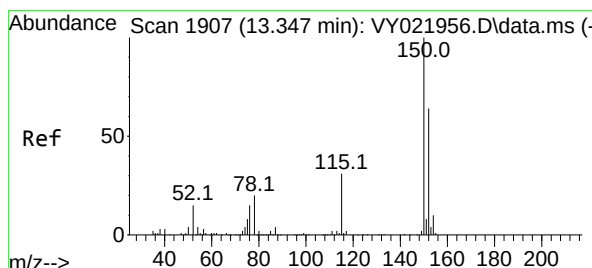
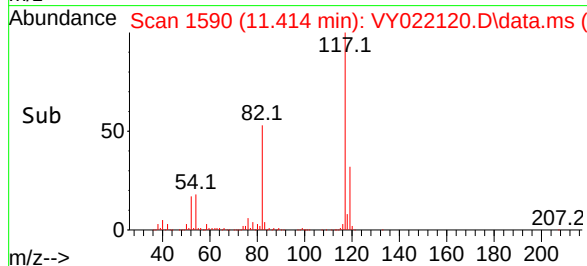
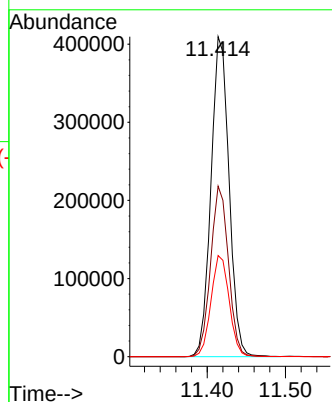
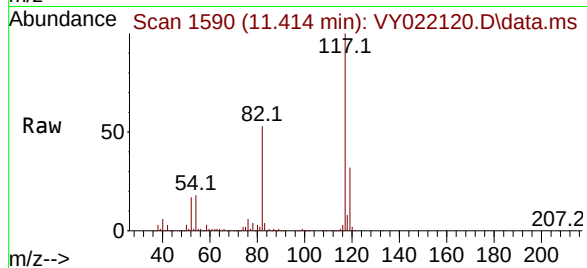
Tgt Ion:117 Resp: 655107

Ion Ratio Lower Upper

117 100

82 53.3 42.1 63.1

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022120.D

Acq: 02 May 2025 11:25

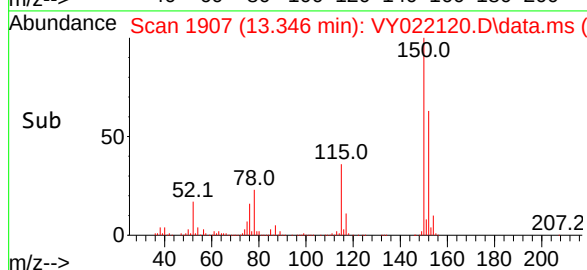
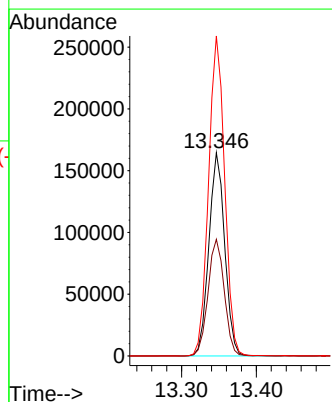
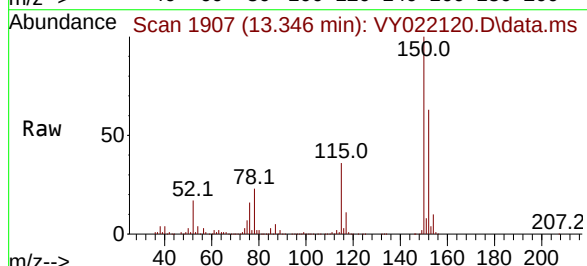
Tgt Ion:152 Resp: 242655

Ion Ratio Lower Upper

152 100

115 58.8 28.0 84.0

150 159.3 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022120.D
 Acq On : 02 May 2025 11:25
 Operator : SY/MD
 Sample : VY0502SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0502SBL01

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_Y\methods\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY022120.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.519	122	131	136	rBV	8996	32828	1.44%	0.280%
2	7.634	959	970	976	rBV	343509	827032	36.31%	7.050%
3	7.707	976	982	994	rVB	553341	1209579	53.10%	10.311%
4	8.061	1030	1040	1051	rBV	239018	533300	23.41%	4.546%
5	8.616	1121	1131	1144	rBV	862571	1693889	74.36%	14.439%
6	10.103	1367	1375	1384	rBV	1322863	2277928	100.00%	19.418%
7	11.414	1583	1590	1601	rBV	1193287	1914021	84.02%	16.316%
8	12.408	1744	1753	1764	rBV	1193430	1817946	79.81%	15.497%
9	13.346	1900	1907	1916	rVB	951125	1424719	62.54%	12.145%

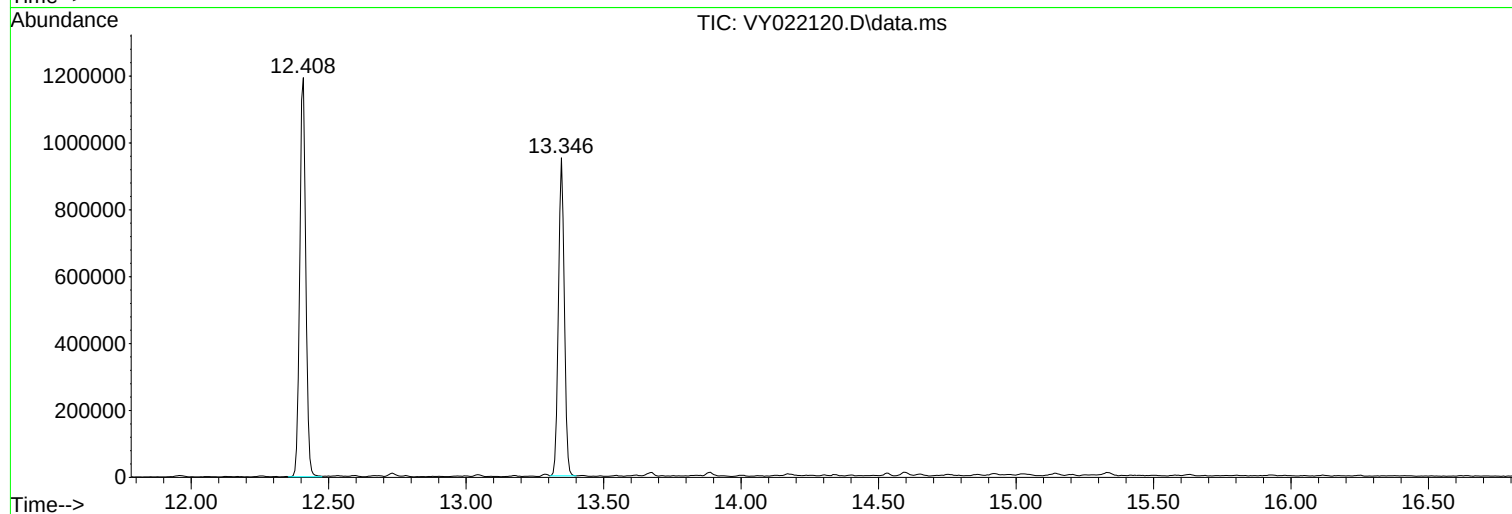
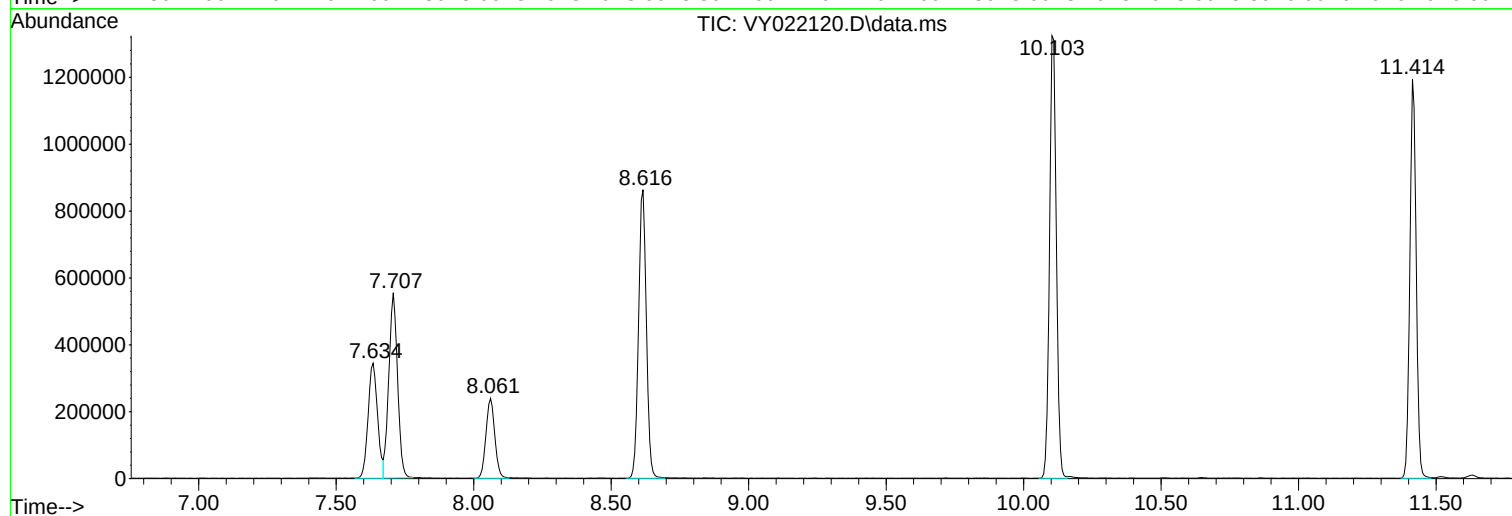
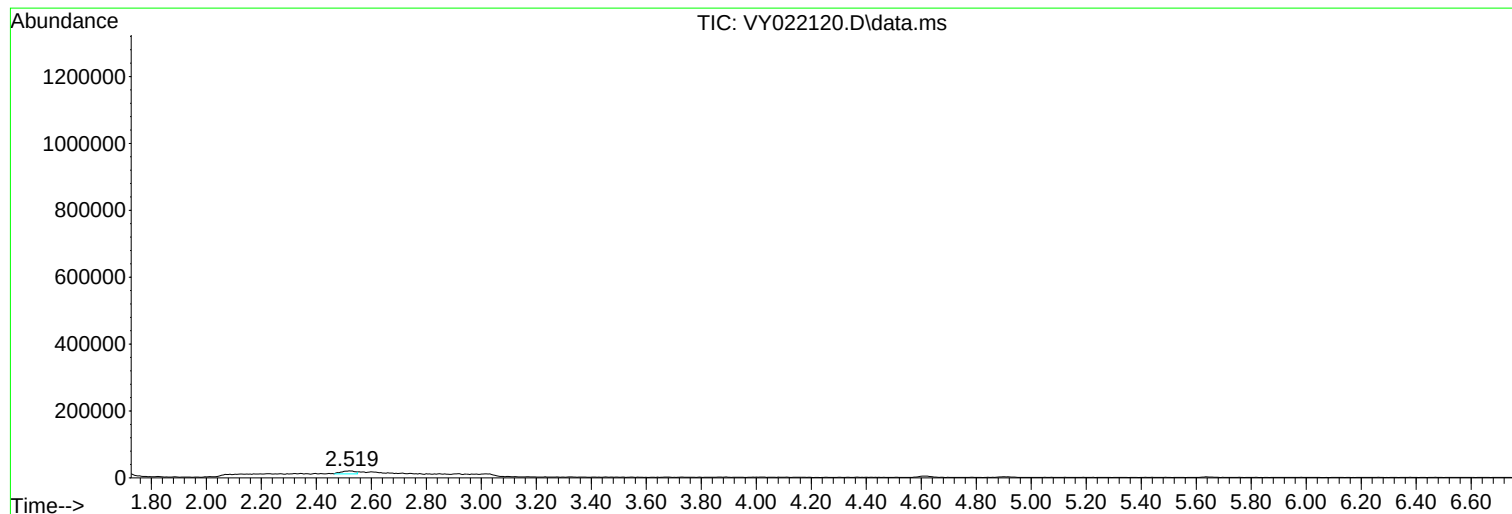
Sum of corrected areas: 11731242

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.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_Y\Data\VY050225\
Data File : VY022120.D
Acq On : 02 May 2025 11:25
Operator : SY/MD
Sample : VY0502SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086491.D	1		05/05/25 17:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2200		110	500	ug/Kg
74-87-3	Chloromethane	2000		110	500	ug/Kg
75-01-4	Vinyl Chloride	2000		79.0	500	ug/Kg
74-83-9	Bromomethane	2400		110	500	ug/Kg
75-00-3	Chloroethane	1900		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	2100		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2100		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1900		100	500	ug/Kg
67-64-1	Acetone	10000		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1700		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1900		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1700		150	500	ug/Kg
75-09-2	Methylene Chloride	2000		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2000		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1900		80.0	500	ug/Kg
110-82-7	Cyclohexane	1800		79.0	500	ug/Kg
78-93-3	2-Butanone	9000		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2000		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1900		120	500	ug/Kg
67-66-3	Chloroform	2000		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	2000		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1900		91.0	500	ug/Kg
71-43-2	Benzene	2000		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	2000		79.0	500	ug/Kg
79-01-6	Trichloroethene	2100		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1900		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	2100		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9400		360	2500	ug/Kg
108-88-3	Toluene	2000		78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0505MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0505MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086491.D	1		05/05/25 17:13	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1900		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1900		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2100		92.0	500	ug/Kg
591-78-6	2-Hexanone	9500		370	2500	ug/Kg
124-48-1	Dibromochloromethane	2100		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2100		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	2100		110	500	ug/Kg
108-90-7	Chlorobenzene	2000		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	2100		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	4100		120	1000	ug/Kg
95-47-6	o-Xylene	2000		82.0	500	ug/Kg
100-42-5	Styrene	2000		71.0	500	ug/Kg
75-25-2	Bromoform	2000		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1900		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1800		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1900		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		70 (63) - 130 (155)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	57.3		70 (70) - 130 (134)	115%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	8.224			
540-36-3	1,4-Difluorobenzene	324000	9.1			
3114-55-4	Chlorobenzene-d5	294000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VN0505MBS01		SDG No.:	Q1939
Lab Sample ID:	VN0505MBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086491.D	1		05/05/25 17:13	VN050525

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\VN050525\
 Data File : VN086491.D
 Acq On : 05 May 2025 17:13
 Operator : JC\MD
 Sample : VN0505MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:46:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	174392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	323563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	294006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	137470	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130104	51.448	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.900%			
35) Dibromofluoromethane	8.165	113	86050	57.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.600%			
50) Toluene-d8	10.565	98	407923	50.826	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.660%			
62) 4-Bromofluorobenzene	12.847	95	150202	51.310	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	44543	21.547	ug/l	96
3) Chloromethane	2.359	50	59896	19.935	ug/l	100
4) Vinyl Chloride	2.512	62	57590	20.086	ug/l	100
5) Bromomethane	2.959	94	31279	24.254	ug/l	100
6) Chloroethane	3.118	64	37234	19.404	ug/l	97
7) Trichlorofluoromethane	3.495	101	66522	20.946	ug/l	99
8) Diethyl Ether	3.959	74	26911	19.410	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	39674	20.650	ug/l	98
10) Methyl Iodide	4.589	142	49175	23.281	ug/l	98
11) Tert butyl alcohol	5.518	59	43369	93.993	ug/l	100
12) 1,1-Dichloroethene	4.342	96	39810	19.395	ug/l	98
13) Acrolein	4.183	56	22436	94.919	ug/l	98
14) Allyl chloride	5.030	41	65646	17.991	ug/l	97
15) Acrylonitrile	5.718	53	107773	94.486	ug/l	99
16) Acetone	4.424	43	90063	99.575	ug/l	98
17) Carbon Disulfide	4.712	76	105148	17.109	ug/l	97
18) Methyl Acetate	5.024	43	52056	17.149	ug/l	96
19) Methyl tert-butyl Ether	5.795	73	146305	19.391	ug/l	95
20) Methylene Chloride	5.277	84	47392	20.272	ug/l	95
21) trans-1,2-Dichloroethene	5.783	96	42054	19.597	ug/l	93
22) Diisopropyl ether	6.671	45	141369	17.810	ug/l	97
23) Vinyl Acetate	6.600	43	515118	92.835	ug/l	97
24) 1,1-Dichloroethane	6.565	63	80332	19.181	ug/l	97
25) 2-Butanone	7.477	43	141686	90.012	ug/l	96
26) 2,2-Dichloropropane	7.489	77	66100	17.627	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	53341	20.027	ug/l	94
28) Bromochloromethane	7.812	49	33538	18.886	ug/l	89
29) Tetrahydrofuran	7.841	42	93763	89.078	ug/l	95
30) Chloroform	7.965	83	82657	20.091	ug/l	96
31) Cyclohexane	8.253	56	73846	18.019	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	70453	20.018	ug/l	98
36) 1,1-Dichloropropene	8.365	75	58349	19.454	ug/l	99
37) Ethyl Acetate	7.553	43	58336	18.474	ug/l	100
38) Carbon Tetrachloride	8.359	117	58441	20.460	ug/l	98
39) Methylcyclohexane	9.594	83	66279	18.591	ug/l	96
40) Benzene	8.600	78	189893	19.760	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086491.D
 Acq On : 05 May 2025 17:13
 Operator : JC\MD
 Sample : VN0505MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:46:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	30742	16.798	ug/l	91
42) 1,2-Dichloroethane	8.665	62	62197	20.296	ug/l	99
43) Isopropyl Acetate	8.683	43	111105	18.158	ug/l	99
44) Trichloroethene	9.347	130	47059	20.660	ug/l	91
45) 1,2-Dichloropropane	9.618	63	44946	19.107	ug/l	96
46) Dibromomethane	9.706	93	31240	20.843	ug/l	95
47) Bromodichloromethane	9.883	83	66389	20.509	ug/l	96
48) Methyl methacrylate	9.677	41	49116	17.712	ug/l	95
49) 1,4-Dioxane	9.694	88	18848	399.585	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	305173	94.377	ug/l	99
52) Toluene	10.630	92	121786	20.310	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	68916	19.072	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	74892	18.870	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	44752	20.743	ug/l	99
56) Ethyl methacrylate	10.871	69	73957	18.649	ug/l	97
57) 1,3-Dichloropropane	11.159	76	77843	20.336	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	156596	83.197	ug/l	97
59) 2-Hexanone	11.194	43	228224	95.155	ug/l	100
60) Dibromochloromethane	11.353	129	49609	20.940	ug/l	99
61) 1,2-Dibromoethane	11.465	107	45714	21.000	ug/l	100
64) Tetrachloroethene	11.100	164	48146	21.289	ug/l	94
65) Chlorobenzene	11.888	112	134455	20.492	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	44341	20.485	ug/l	100
67) Ethyl Benzene	11.959	91	243976	20.606	ug/l	99
68) m/p-Xylenes	12.065	106	182606	41.161	ug/l	97
69) o-Xylene	12.394	106	89754	20.458	ug/l	97
70) Styrene	12.406	104	146108	19.987	ug/l	99
71) Bromoform	12.576	173	32058	19.671	ug/l #	99
73) Isopropylbenzene	12.694	105	218515	19.432	ug/l	98
74) N-amyl acetate	12.488	43	94007	16.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	63276	19.570	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	61399m	18.926	ug/l	
77) Bromobenzene	12.976	156	53295	21.389	ug/l	91
78) n-propylbenzene	13.029	91	256242	19.337	ug/l	100
79) 2-Chlorotoluene	13.124	91	160710	19.382	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	181334	19.702	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	23223	17.192	ug/l	96
82) 4-Chlorotoluene	13.218	91	158679	19.265	ug/l	97
83) tert-Butylbenzene	13.435	119	157263	19.719	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	184046	19.645	ug/l	100
85) sec-Butylbenzene	13.612	105	216273	19.551	ug/l	100
86) p-Isopropyltoluene	13.723	119	178716	19.601	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	95175	20.319	ug/l	97
88) 1,4-Dichlorobenzene	13.806	146	95409	20.223	ug/l	100
89) n-Butylbenzene	14.053	91	152279	18.842	ug/l	99
90) Hexachloroethane	14.329	117	28745	18.743	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	92093	20.279	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11468	17.590	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	41192	18.943	ug/l	99
94) Hexachlorobutadiene	15.500	225	15115	18.414	ug/l	98
95) Naphthalene	15.635	128	388428	50.390	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	39310	19.094	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086491.D
Acq On : 05 May 2025 17:13
Operator : JC\MD
Sample : VN0505MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

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

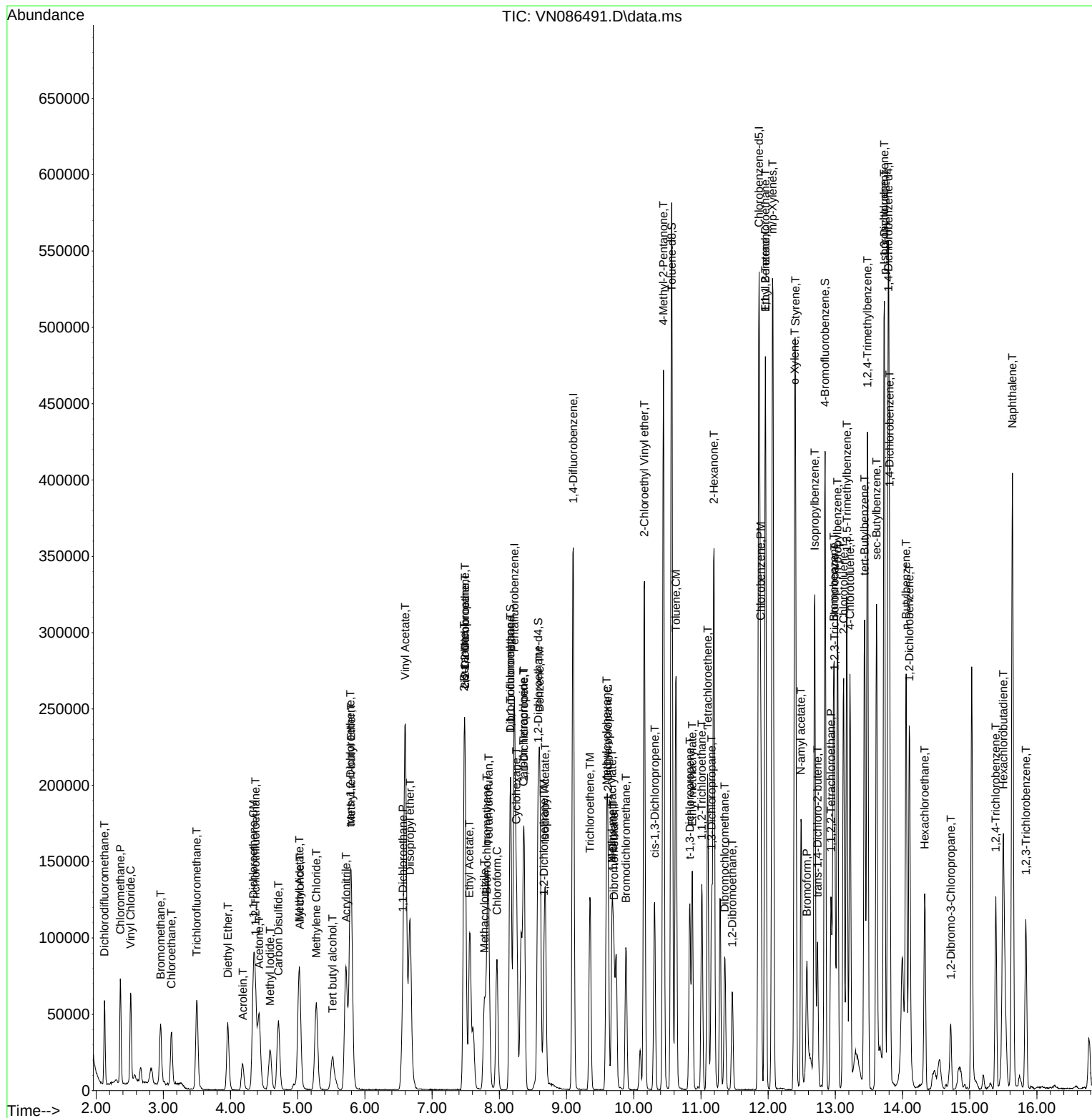
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\  
Data File : VN086491.D  
Acq On    : 05 May 2025 17:13  
Operator  : JC\MD  
Sample    : VN0505MBS01  
Misc      : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH  
ALS Vial  : 15 Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN0505MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:46:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086515.D	1		05/06/25 15:23	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1700		110	500	ug/Kg
74-87-3	Chloromethane	1500		110	500	ug/Kg
75-01-4	Vinyl Chloride	1600		79.0	500	ug/Kg
74-83-9	Bromomethane	2100		110	500	ug/Kg
75-00-3	Chloroethane	1600		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1900		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1900		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1700		100	500	ug/Kg
67-64-1	Acetone	8700		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1500		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1700		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1600		150	500	ug/Kg
75-09-2	Methylene Chloride	1800		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1700		80.0	500	ug/Kg
110-82-7	Cyclohexane	1600		79.0	500	ug/Kg
78-93-3	2-Butanone	8000		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1800		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1900		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1700		91.0	500	ug/Kg
71-43-2	Benzene	1800		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1900		79.0	500	ug/Kg
79-01-6	Trichloroethene	2000		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1700		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8800		360	2500	ug/Kg
108-88-3	Toluene	1900		78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0506MBS01	SDG No.:	Q1939
Lab Sample ID:	VN0506MBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086515.D	1		05/06/25 15:23	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1800		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1700		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	1900		92.0	500	ug/Kg
591-78-6	2-Hexanone	8700		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1900		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2000		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	2000		110	500	ug/Kg
108-90-7	Chlorobenzene	1900		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1900		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3800		120	1000	ug/Kg
95-47-6	o-Xylene	2000		82.0	500	ug/Kg
100-42-5	Styrene	1900		71.0	500	ug/Kg
75-25-2	Bromoform	1900		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1900		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	2000		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1800		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2000		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	57.7		70 (70) - 130 (134)	115%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		70 (38) - 130 (136)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	8.224			
540-36-3	1,4-Difluorobenzene	335000	9.1			
3114-55-4	Chlorobenzene-d5	293000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VN0506MBS01		SDG No.:	Q1939
Lab Sample ID:	VN0506MBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086515.D	1		05/06/25 15:23	VN050625

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\VN050625\
 Data File : VN086515.D
 Acq On : 06 May 2025 15:23
 Operator : JC\MD
 Sample : VN0506MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBS01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/07/2025
 Supervised By :Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:55:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	186931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131666	48.573	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.140%		
35) Dibromofluoromethane	8.165	113	89652	57.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	115.400%		
50) Toluene-d8	10.565	98	417017	50.221	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.440%		
62) 4-Bromofluorobenzene	12.847	95	142861	47.169	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	37722	17.023	ug/l	99
3) Chloromethane	2.359	50	47570	14.771	ug/l	100
4) Vinyl Chloride	2.518	62	48679	15.840	ug/l	99
5) Bromomethane	2.959	94	28857	20.875	ug/l	94
6) Chloroethane	3.124	64	33294	16.187	ug/l	96
7) Trichlorofluoromethane	3.501	101	63968	18.791	ug/l	99
8) Diethyl Ether	3.959	74	24936	16.779	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.365	101	38925	18.902	ug/l	99
10) Methyl Iodide	4.589	142	45616	20.148	ug/l	97
11) Tert butyl alcohol	5.512	59	41804	84.524	ug/l	97
12) 1,1-Dichloroethene	4.342	96	37558	17.071	ug/l	97
13) Acrolein	4.177	56	25741	102.726	ug/l	95
14) Allyl chloride	5.018	41	54227	13.865	ug/l	91
15) Acrylonitrile	5.718	53	102769	84.055	ug/l	100
16) Acetone	4.430	43	84780	86.735	ug/l	99
17) Carbon Disulfide	4.712	76	98094	14.890	ug/l	98
18) Methyl Acetate	5.024	43	50791	15.610	ug/l	98
19) Methyl tert-butyl Ether	5.795	73	139071	17.196	ug/l	95
20) Methylene Chloride	5.277	84	45402	18.118	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	41035	17.840	ug/l	90
22) Diisopropyl ether	6.665	45	132768	15.605	ug/l	95
23) Vinyl Acetate	6.600	43	485911	81.697	ug/l	98
24) 1,1-Dichloroethane	6.565	63	76514	17.044	ug/l	98
25) 2-Butanone	7.483	43	134623	79.788	ug/l	94
26) 2,2-Dichloropropane	7.483	77	67580	16.813	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	50669	17.748	ug/l	95
28) Bromochloromethane	7.812	49	33407	17.551	ug/l	85
29) Tetrahydrofuran	7.836	42	89191	79.051	ug/l	94
30) Chloroform	7.959	83	81472	18.475	ug/l	98
31) Cyclohexane	8.253	56	69881	15.908	ug/l	94
32) 1,1,1-Trichloroethane	8.165	97	71397	18.926	ug/l	95
36) 1,1-Dichloropropene	8.371	75	56250	18.126	ug/l	98
37) Ethyl Acetate	7.559	43	55641	17.031	ug/l	99
38) Carbon Tetrachloride	8.359	117	59000	19.964	ug/l	99
39) Methylcyclohexane	9.600	83	63530	17.224	ug/l	96
40) Benzene	8.600	78	182406	18.346	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086515.D
 Acq On : 06 May 2025 15:23
 Operator : JC\MD
 Sample : VN0506MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0506MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/07/2025
 Supervised By : Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:55:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	29311	15.480	ug/l	91
42) 1,2-Dichloroethane	8.671	62	60715	19.149	ug/l	100
43) Isopropyl Acetate	8.683	43	110687	17.407	ug/l	98
44) Trichloroethene	9.347	130	46102	19.563	ug/l	96
45) 1,2-Dichloropropane	9.618	63	42544	17.481	ug/l	97
46) Dibromomethane	9.706	93	30758	19.835	ug/l	95
47) Bromodichloromethane	9.882	83	63533	18.970	ug/l	97
48) Methyl methacrylate	9.677	41	45829	15.974	ug/l	93
49) 1,4-Dioxane	9.688	88	17877	366.317	ug/l #	90
51) 4-Methyl-2-Pentanone	10.441	43	294698	88.088	ug/l	99
52) Toluene	10.629	92	117697	18.971	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	67999	18.188	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	71768	17.477	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	43240	19.372	ug/l	98
56) Ethyl methacrylate	10.871	69	71193	17.352	ug/l	98
57) 1,3-Dichloropropane	11.159	76	74092	18.709	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	142910	73.385	ug/l	95
59) 2-Hexanone	11.194	43	215334	86.777	ug/l	100
60) Dibromochloromethane	11.353	129	47427	19.349	ug/l	100
61) 1,2-Dibromoethane	11.465	107	44506	19.761	ug/l	99
64) Tetrachloroethene	11.100	164	44136	19.563	ug/l	92
65) Chlorobenzene	11.888	112	127286	19.446	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	43186	19.999	ug/l	99
67) Ethyl Benzene	11.959	91	221649	18.765	ug/l	100
68) m/p-Xylenes	12.071	106	169269	38.246	ug/l	96
69) o-Xylene	12.394	106	85449	19.523	ug/l	94
70) Styrene	12.406	104	137352	18.834	ug/l	99
71) Bromoform	12.576	173	30798	18.943	ug/l #	99
73) Isopropylbenzene	12.694	105	207336	19.277	ug/l	100
74) N-amyl acetate	12.488	43	87445	16.331	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	61023	19.732	ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	62840m	20.252	ug/l	
77) Bromobenzene	12.976	156	49109	20.606	ug/l	89
78) n-propylbenzene	13.035	91	234190	18.477	ug/l	99
79) 2-Chlorotoluene	13.123	91	149382	18.835	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	165809	18.835	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	24481	18.948	ug/l	87
82) 4-Chlorotoluene	13.218	91	146156	18.552	ug/l	98
83) tert-Butylbenzene	13.435	119	145403	19.062	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	168561	18.811	ug/l	100
85) sec-Butylbenzene	13.612	105	197232	18.641	ug/l	98
86) p-Isopropyltoluene	13.723	119	162051	18.582	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	89107	19.890	ug/l	97
88) 1,4-Dichlorobenzene	13.806	146	88706	19.658	ug/l	98
89) n-Butylbenzene	14.053	91	134002	17.335	ug/l	98
90) Hexachloroethane	14.329	117	26821	18.284	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	85298	19.638	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	11486	18.420	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	39203	18.849	ug/l	99
94) Hexachlorobutadiene	15.500	225	15090	19.220	ug/l	97
95) Naphthalene	15.635	128	135759	18.413	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	38632	19.619	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
Data File : VN086515.D
Acq On : 06 May 2025 15:23
Operator : JC\MD
Sample : VN0506MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:55:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

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

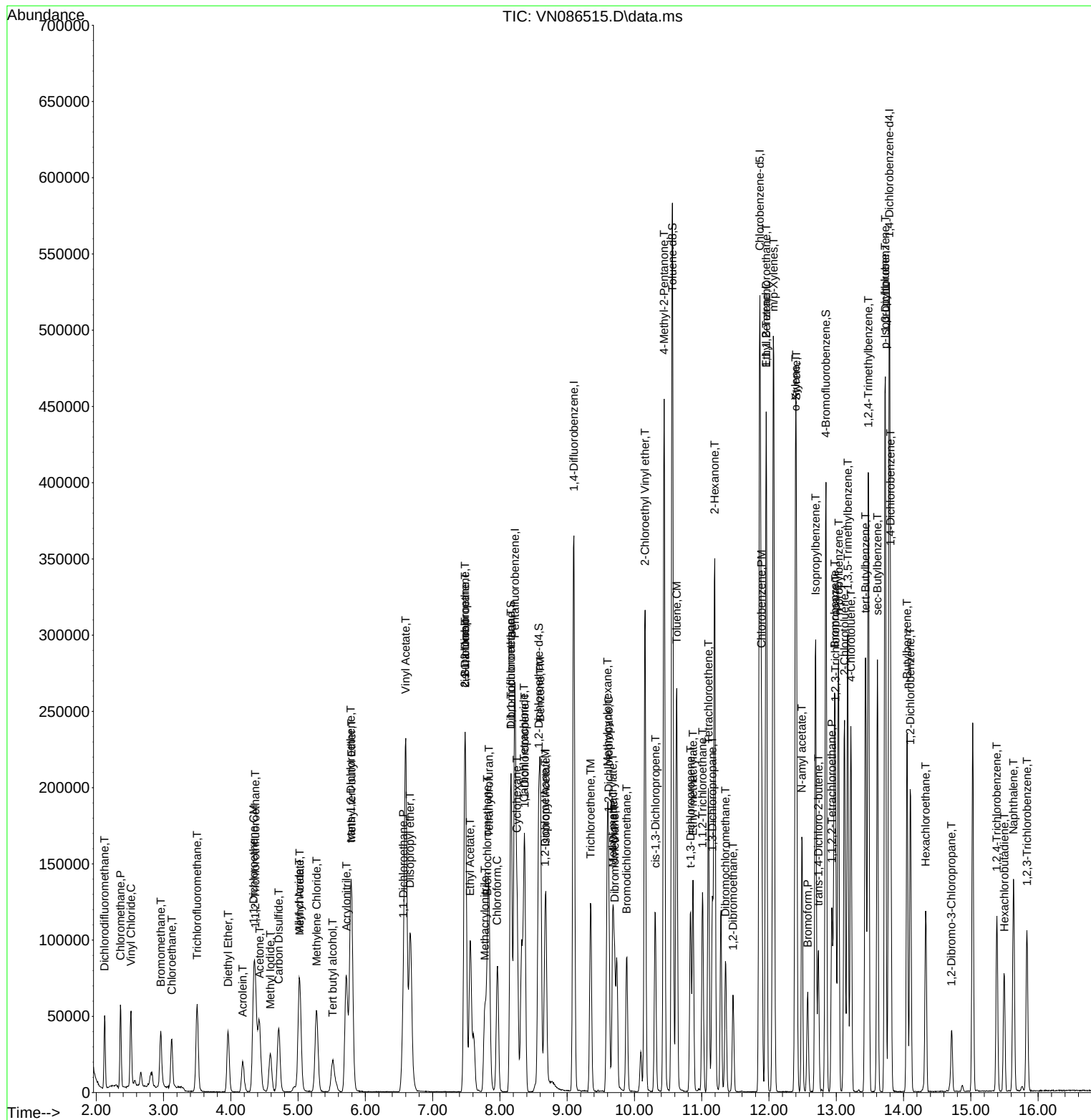
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\  
Data File : VN086515.D  
Acq On    : 06 May 2025  15:23  
Operator  : JC\MD  
Sample    : VN0506MBS01  
Misc      : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH  
ALS Vial  : 13   Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN0506MBS01

Manual Integrations

Reviewed By :John Carlone 05/07/2025
Supervised By :Mahesh Dadoda 05/07/2025

Quant Time: May 07 02:55:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBS02	SDG No.:	Q1939
Lab Sample ID:	VN0509MBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086557.D	1		05/09/25 12:57	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1900		110	500	ug/Kg
74-87-3	Chloromethane	1700		110	500	ug/Kg
75-01-4	Vinyl Chloride	1700		79.0	500	ug/Kg
74-83-9	Bromomethane	2300		110	500	ug/Kg
75-00-3	Chloroethane	1700		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1800		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1900		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1700		100	500	ug/Kg
67-64-1	Acetone	8800		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1600		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1800		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1400		150	500	ug/Kg
75-09-2	Methylene Chloride	1900		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1700		80.0	500	ug/Kg
110-82-7	Cyclohexane	1600		79.0	500	ug/Kg
78-93-3	2-Butanone	8300		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1900		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1800		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1800		91.0	500	ug/Kg
71-43-2	Benzene	1900		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	2000		79.0	500	ug/Kg
79-01-6	Trichloroethene	2000		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1800		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8800		360	2500	ug/Kg
108-88-3	Toluene	1900		78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VN0509MBS02	SDG No.:	Q1939
Lab Sample ID:	VN0509MBS02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086557.D	1		05/09/25 12:57	VN050925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1900		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1800		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2000		92.0	500	ug/Kg
591-78-6	2-Hexanone	8700		370	2500	ug/Kg
124-48-1	Dibromochloromethane	2000		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2000		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1900		110	500	ug/Kg
108-90-7	Chlorobenzene	2000		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1800		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3800		120	1000	ug/Kg
95-47-6	o-Xylene	1900		82.0	500	ug/Kg
100-42-5	Styrene	1900		71.0	500	ug/Kg
75-25-2	Bromoform	1900		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1800		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1900		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1900		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1700		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1900		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1900		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		70 (63) - 130 (155)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	61.3		70 (70) - 130 (134)	123%	SPK: 50
2037-26-5	Toluene-d8	47.0		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (38) - 130 (136)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	8.224			
540-36-3	1,4-Difluorobenzene	314000	9.1			
3114-55-4	Chlorobenzene-d5	287000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	131000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VN0509MBS02		SDG No.:	Q1939
Lab Sample ID:	VN0509MBS02		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOCMS Group1
GC Column:	RXI-624	ID : 0.25	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086557.D	1		05/09/25 12:57	VN050925

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\VN050925\
 Data File : VN086557.D
 Acq On : 09 May 2025 12:57
 Operator : JC\MD
 Sample : VN0509MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:25:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	176403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	314371	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	287142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120415	47.074	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.140%		
35) Dibromofluoromethane	8.165	113	89453	61.310	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	122.620%		
50) Toluene-d8	10.565	98	366182	46.960	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.920%		
62) 4-Bromofluorobenzene	12.847	95	135313	47.575	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.160%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	40105	19.179	ug/l	98
3) Chloromethane	2.359	50	51058	16.800	ug/l	97
4) Vinyl Chloride	2.518	62	49017	16.901	ug/l	99
5) Bromomethane	2.959	94	29435	22.564	ug/l	97
6) Chloroethane	3.124	64	32412	16.699	ug/l	93
7) Trichlorofluoromethane	3.500	101	59251	18.444	ug/l	94
8) Diethyl Ether	3.959	74	25129	17.918	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	36006	18.528	ug/l	96
10) Methyl Iodide	4.589	142	44123	20.651	ug/l	96
11) Tert butyl alcohol	5.512	59	38589	82.680	ug/l	99
12) 1,1-Dichloroethene	4.342	96	35385	17.043	ug/l	95
13) Acrolein	4.177	56	22939	96.114	ug/l	99
14) Allyl chloride	5.024	41	50401	13.655	ug/l	93
15) Acrylonitrile	5.718	53	99876	86.565	ug/l	99
16) Acetone	4.418	43	81217	88.137	ug/l	99
17) Carbon Disulfide	4.712	76	101679	16.356	ug/l	99
18) Methyl Acetate	5.024	43	42834	13.950	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	134739	17.654	ug/l	97
20) Methylene Chloride	5.277	84	44201	18.691	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	39497	18.196	ug/l	93
22) Diisopropyl ether	6.671	45	129809	16.167	ug/l	95
23) Vinyl Acetate	6.600	43	490423	87.376	ug/l	96
24) 1,1-Dichloroethane	6.565	63	72385	17.086	ug/l	99
25) 2-Butanone	7.477	43	131412	82.534	ug/l	98
26) 2,2-Dichloropropane	7.488	77	65202	17.190	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	48720	18.084	ug/l	95
28) Bromochloromethane	7.812	49	34462	19.185	ug/l	89
29) Tetrahydrofuran	7.835	42	86842	81.562	ug/l	96
30) Chloroform	7.965	83	75911	18.241	ug/l	96
31) Cyclohexane	8.253	56	66282	15.989	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	64660	18.163	ug/l	97
36) 1,1-Dichloropropene	8.371	75	53357	18.309	ug/l	97
37) Ethyl Acetate	7.553	43	55250	18.008	ug/l	97
38) Carbon Tetrachloride	8.359	117	54557	19.658	ug/l	96
39) Methylcyclohexane	9.594	83	61817	17.846	ug/l	96
40) Benzene	8.600	78	174349	18.673	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086557.D
 Acq On : 09 May 2025 12:57
 Operator : JC\MD
 Sample : VN0509MBS02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0509MBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/12/2025
 Supervised By : Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:25:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	28768	16.179	ug/l	92
42) 1,2-Dichloroethane	8.665	62	58546	19.663	ug/l	100
43) Isopropyl Acetate	8.682	43	101359	16.922	ug/l	99
44) Trichloroethene	9.347	130	43403	19.613	ug/l	97
45) 1,2-Dichloropropane	9.618	63	41247	18.047	ug/l	99
46) Dibromomethane	9.706	93	29800	20.464	ug/l	96
47) Bromodichloromethane	9.888	83	59907	19.047	ug/l	98
48) Methyl methacrylate	9.676	41	43601	16.183	ug/l	93
49) 1,4-Dioxane	9.694	88	18022	393.245	ug/l	93
51) 4-Methyl-2-Pentanone	10.441	43	276921	88.144	ug/l	98
52) Toluene	10.629	92	112667	19.339	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	65643	18.697	ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	69616	18.053	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	42434	20.244	ug/l	97
56) Ethyl methacrylate	10.871	69	69776	18.109	ug/l	97
57) 1,3-Dichloropropane	11.159	76	72338	19.451	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	158705	86.782	ug/l	96
59) 2-Hexanone	11.194	43	203276	87.232	ug/l	98
60) Dibromochloromethane	11.359	129	46325	20.126	ug/l	98
61) 1,2-Dibromoethane	11.465	107	42203	19.954	ug/l	99
64) Tetrachloroethene	11.100	164	43012	19.474	ug/l	98
65) Chlorobenzene	11.888	112	125844	19.639	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	41088	19.436	ug/l	98
67) Ethyl Benzene	11.959	91	212145	18.346	ug/l	100
68) m/p-Xylenes	12.070	106	166628	38.457	ug/l	96
69) o-Xylene	12.394	106	80992	18.902	ug/l	98
70) Styrene	12.406	104	134117	18.785	ug/l	99
71) Bromoform	12.576	173	29834	18.744	ug/l #	100
73) Isopropylbenzene	12.694	105	195841	18.318	ug/l	99
74) N-amyl acetate	12.488	43	86254	16.206	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	59745	19.435	ug/l	97
76) 1,2,3-Trichloropropane	12.988	75	56573m	18.342	ug/l	
77) Bromobenzene	12.976	156	48537	20.489	ug/l	90
78) n-propylbenzene	13.029	91	230450	18.292	ug/l	100
79) 2-Chlorotoluene	13.123	91	145004	18.394	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	158448	18.107	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.735	75	19983	15.560	ug/l	95
82) 4-Chlorotoluene	13.217	91	146285	18.680	ug/l	99
83) tert-Butylbenzene	13.435	119	138752	18.300	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	163682	18.376	ug/l	99
85) sec-Butylbenzene	13.612	105	194779	18.520	ug/l	99
86) p-Isopropyltoluene	13.723	119	159208	18.366	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	86802	19.492	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	87298	19.463	ug/l	99
89) n-Butylbenzene	14.053	91	135575	17.644	ug/l	99
90) Hexachloroethane	14.329	117	25547	17.521	ug/l	98
91) 1,2-Dichlorobenzene	14.100	146	82749	19.166	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10408	16.792	ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	38802	18.768	ug/l	98
94) Hexachlorobutadiene	15.494	225	14556	18.651	ug/l	98
95) Naphthalene	15.635	128	126675	17.285	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	37230	19.021	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086557.D
Acq On : 09 May 2025 12:57
Operator : JC\MD
Sample : VN0509MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

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

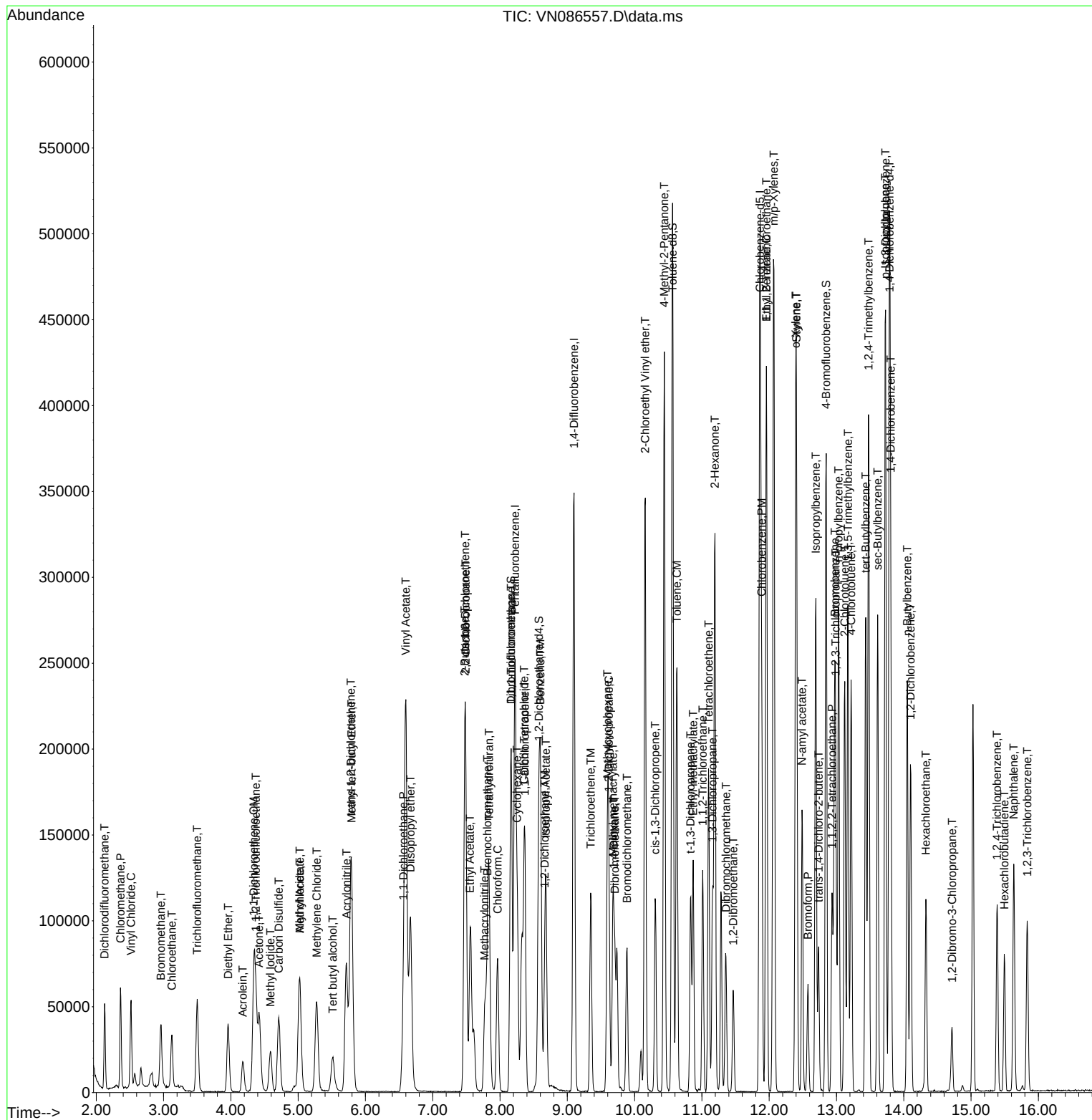
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
Data File : VN086557.D
Acq On : 09 May 2025 12:57
Operator : JC\MD
Sample : VN0509MBS02
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0509MBS02

Manual Integrations

Reviewed By :John Carlone 05/12/2025
Supervised By :Mahesh Dadoda 05/12/2025

Quant Time: May 09 23:25:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBS01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022121.D	1		05/02/25 11:53	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.2		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.4		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.6		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.3		0.91	5.00	ug/Kg
71-43-2	Benzene	19.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBS01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY022121.D	1		05/02/25 11:53	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.5		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.0		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.6		0.82	5.00	ug/Kg
100-42-5	Styrene	20.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		70 (63) - 130 (155)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (70) - 130 (134)	98%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	355000	7.707			
540-36-3	1,4-Difluorobenzene	565000	8.616			
3114-55-4	Chlorobenzene-d5	508000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	265000	13.346			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBS01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY022121.D	1		05/02/25 11:53	VY050225

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_Y\Data\VY050225\
 Data File : VY022121.D
 Acq On : 02 May 2025 11:53
 Operator : SY/MD
 Sample : VY0502SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0502SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/05/2025
 Supervised By : Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:49:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	354744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	565281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	507664	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	264963	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	166647	50.858	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.720%
35) Dibromofluoromethane	7.634	113	183068	49.020	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.040%
50) Toluene-d8	10.109	98	684444	48.614	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.220%
62) 4-Bromofluorobenzene	12.408	95	239526	50.537	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.080%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	57886	19.150	ug/l	98
3) Chloromethane	2.062	50	81523	18.941	ug/l	97
4) Vinyl Chloride	2.202	62	100852	19.068	ug/l	98
5) Bromomethane	2.586	94	97825	21.468	ug/l	99
6) Chloroethane	2.732	64	71214	19.770	ug/l	100
7) Trichlorofluoromethane	3.049	101	144233	20.680	ug/l	94
8) Diethyl Ether	3.452	74	35831	19.738	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	74823	19.776	ug/l	98
10) Methyl Iodide	4.000	142	85923	19.615	ug/l	99
11) Tert butyl alcohol	4.878	59	19620	109.068	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	71307	20.220	ug/l	98
13) Acrolein	3.653	56	23126	71.627	ug/l	100
14) Allyl chloride	4.378	41	80776	19.671	ug/l	96
15) Acrylonitrile	5.061	53	66505	100.073	ug/l	98
16) Acetone	3.879	43	51212	107.204	ug/l	98
17) Carbon Disulfide	4.098	76	212485	18.897	ug/l	99
18) Methyl Acetate	4.391	43	33662	21.992	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	170057	21.545	ug/l	98
20) Methylene Chloride	4.610	84	91148	21.999	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	78899	19.977	ug/l	96
22) Diisopropyl ether	6.018	45	187601	20.530	ug/l	98
23) Vinyl Acetate	5.957	43	504757	102.493	ug/l	99
24) 1,1-Dichloroethane	5.915	63	129022	20.369	ug/l	98
25) 2-Butanone	6.896	43	75541	101.138	ug/l	97
26) 2,2-Dichloropropane	6.884	77	118480	21.341	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	92749	21.002	ug/l	99
28) Bromochloromethane	7.244	49	48108	19.554	ug/l	96
29) Tetrahydrofuran	7.262	42	48573	100.129	ug/l	95
30) Chloroform	7.421	83	147137	20.942	ug/l	100
31) Cyclohexane	7.701	56	105256	19.432	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	134886	21.220	ug/l	100
36) 1,1-Dichloropropene	7.835	75	98847	19.704	ug/l	99
37) Ethyl Acetate	6.988	43	34180	18.971	ug/l	96
38) Carbon Tetrachloride	7.817	117	121447	20.260	ug/l	99
39) Methylcyclohexane	9.109	83	121885	19.307	ug/l	93
40) Benzene	8.079	78	311953	19.893	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022121.D
 Acq On : 02 May 2025 11:53
 Operator : SY/MD
 Sample : VY0502SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0502SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:49:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	16961	17.221	ug/l #	82
42) 1,2-Dichloroethane	8.158	62	80565	20.751	ug/l	100
43) Isopropyl Acetate	8.201	43	70200	20.289	ug/l	100
44) Trichloroethene	8.859	130	89268	20.552	ug/l	99
45) 1,2-Dichloropropane	9.140	63	69434	20.022	ug/l	100
46) Dibromomethane	9.231	93	43982	20.260	ug/l	99
47) Bromodichloromethane	9.420	83	111185	20.502	ug/l	98
48) Methyl methacrylate	9.219	41	32090	20.063	ug/l	95
49) 1,4-Dioxane	9.237	88	9120	394.162	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	184264	101.592	ug/l	100
52) Toluene	10.170	92	203618	20.060	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	95584	20.548	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	115689	20.922	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	59394	20.482	ug/l	97
56) Ethyl methacrylate	10.438	69	66957	20.192	ug/l	99
57) 1,3-Dichloropropane	10.719	76	94229	20.270	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	164730	101.602	ug/l	98
59) 2-Hexanone	10.761	43	120323	100.577	ug/l	98
60) Dibromochloromethane	10.914	129	81972	20.418	ug/l	99
61) 1,2-Dibromoethane	11.011	107	56428	20.613	ug/l	99
64) Tetrachloroethene	10.646	164	100760	21.039	ug/l	98
65) Chlorobenzene	11.438	112	228639	20.140	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	80424	20.122	ug/l	99
67) Ethyl Benzene	11.517	91	372440	20.055	ug/l	100
68) m/p-Xylenes	11.627	106	300786	40.702	ug/l	98
69) o-Xylene	11.956	106	140163	20.578	ug/l	99
70) Styrene	11.969	104	231602	20.252	ug/l	98
71) Bromoform	12.133	173	46777	20.130	ug/l #	99
73) Isopropylbenzene	12.255	105	369894	20.895	ug/l	99
74) N-amyl acetate	12.072	43	59125	19.440	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	59396	19.901	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	44605m	19.654	ug/l	
77) Bromobenzene	12.529	156	91180	20.384	ug/l	98
78) n-propylbenzene	12.597	91	433660	20.571	ug/l	100
79) 2-Chlorotoluene	12.676	91	254117	20.727	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	303111	20.781	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	19433	20.620	ug/l	95
82) 4-Chlorotoluene	12.779	91	267084	20.956	ug/l	100
83) tert-Butylbenzene	12.999	119	271912	20.786	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	306138	20.984	ug/l	99
85) sec-Butylbenzene	13.176	105	401071	20.953	ug/l	100
86) p-Isopropyltoluene	13.292	119	335780	20.658	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	183709	20.221	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	180678	20.080	ug/l	99
89) n-Butylbenzene	13.615	91	293579	20.207	ug/l	99
90) Hexachloroethane	13.883	117	73402	20.554	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	155776	19.659	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9881	20.809	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	90083	20.062	ug/l	99
94) Hexachlorobutadiene	15.023	225	53472	19.355	ug/l	99
95) Naphthalene	15.145	128	151232	20.275	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	76352	19.698	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022121.D
Acq On : 02 May 2025 11:53
Operator : SY/MD
Sample : VY0502SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

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

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

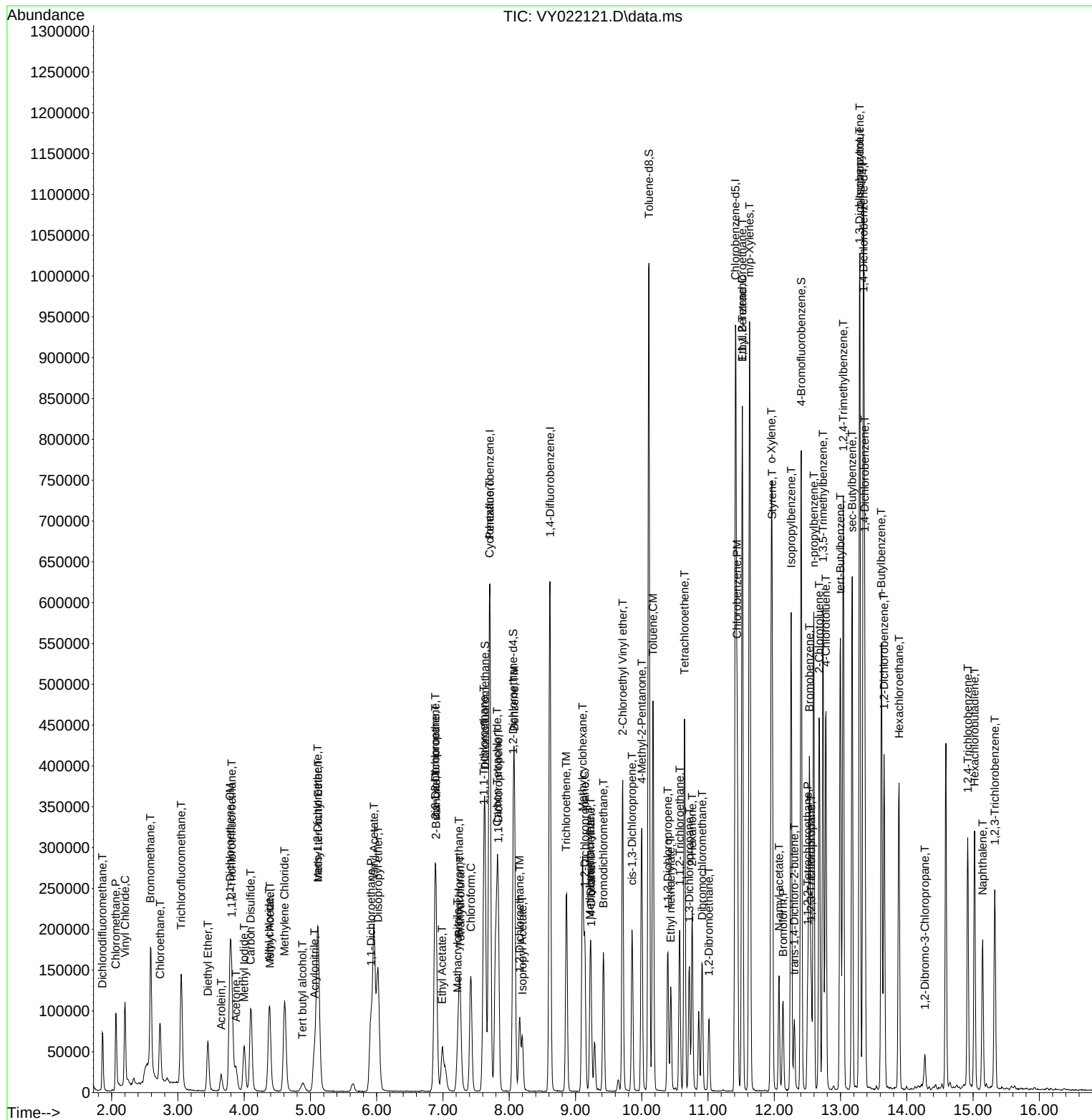
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022121.D
Acq On : 02 May 2025 11:53
Operator : SY/MD
Sample : VY0502SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBSD01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY022122.D	1		05/02/25 12:16	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.0		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.7		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.9		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.9		0.91	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBSD01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY022122.D	1		05/02/25 12:16	VY050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.1		0.82	5.00	ug/Kg
100-42-5	Styrene	20.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (38) - 130 (136)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	345000	7.707			
540-36-3	1,4-Difluorobenzene	552000	8.616			
3114-55-4	Chlorobenzene-d5	493000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.347			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Amsterdam	Date Received:	
Client Sample ID:	VY0502SBSD01	SDG No.:	Q1939
Lab Sample ID:	VY0502SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY022122.D	1		05/02/25 12:16	VY050225

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_Y\Data\VY050225\
 Data File : VY022122.D
 Acq On : 02 May 2025 12:16
 Operator : SY/MD
 Sample : VY0502SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0502SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:49:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	344715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	551563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	493162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	257067	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	165590	52.006	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.020%	
35) Dibromofluoromethane	7.634	113	183735	50.422	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.840%	
50) Toluene-d8	10.103	98	683203	49.732	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	12.402	95	237256	51.303	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.600%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	58759	20.004	ug/l	97
3) Chloromethane	2.062	50	78884	18.861	ug/l	99
4) Vinyl Chloride	2.202	62	97609	18.992	ug/l	98
5) Bromomethane	2.592	94	86842	19.612	ug/l	99
6) Chloroethane	2.733	64	65931	18.836	ug/l	97
7) Trichlorofluoromethane	3.056	101	138395	20.420	ug/l	96
8) Diethyl Ether	3.452	74	36730	20.822	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	73426	19.972	ug/l	99
10) Methyl Iodide	4.001	142	88456	20.781	ug/l	98
11) Tert butyl alcohol	4.866	59	19919	113.951	ug/l #	85
12) 1,1-Dichloroethene	3.787	96	70294	20.513	ug/l	98
13) Acrolein	3.653	56	23052	73.475	ug/l	99
14) Allyl chloride	4.379	41	80453	20.163	ug/l	97
15) Acrylonitrile	5.055	53	65284	101.093	ug/l	99
16) Acetone	3.873	43	47790	102.025	ug/l	95
17) Carbon Disulfide	4.104	76	210707	19.284	ug/l	98
18) Methyl Acetate	4.391	43	33435	22.480	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	166734	21.739	ug/l	96
20) Methylene Chloride	4.616	84	90624	22.509	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	78170	20.368	ug/l	96
22) Diisopropyl ether	6.013	45	186290	20.979	ug/l	95
23) Vinyl Acetate	5.958	43	497049	103.864	ug/l	99
24) 1,1-Dichloroethane	5.915	63	128318	20.848	ug/l	97
25) 2-Butanone	6.896	43	73535	101.317	ug/l	99
26) 2,2-Dichloropropane	6.884	77	117477	21.776	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	91389	21.297	ug/l	100
28) Bromochloromethane	7.244	49	45479	19.023	ug/l	93
29) Tetrahydrofuran	7.262	42	48577	103.050	ug/l	98
30) Chloroform	7.421	83	143608	21.034	ug/l	99
31) Cyclohexane	7.701	56	104761	19.903	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	133715	21.648	ug/l	100
36) 1,1-Dichloropropene	7.835	75	98647	20.154	ug/l	99
37) Ethyl Acetate	6.982	43	33878	19.271	ug/l	98
38) Carbon Tetrachloride	7.817	117	121143	20.712	ug/l	98
39) Methylcyclohexane	9.110	83	122389	19.869	ug/l	99
40) Benzene	8.079	78	309939	20.256	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022122.D
 Acq On : 02 May 2025 12:16
 Operator : SY/MD
 Sample : VY0502SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0502SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
 Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:49:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	16614	17.288	ug/l #	85
42) 1,2-Dichloroethane	8.158	62	79104	20.881	ug/l	99
43) Isopropyl Acetate	8.195	43	67866	20.102	ug/l	98
44) Trichloroethene	8.866	130	86725	20.463	ug/l	95
45) 1,2-Dichloropropane	9.140	63	66037	19.516	ug/l	97
46) Dibromomethane	9.231	93	43094	20.345	ug/l	99
47) Bromodichloromethane	9.420	83	111022	20.981	ug/l	96
48) Methyl methacrylate	9.225	41	31006	19.867	ug/l	94
49) 1,4-Dioxane	9.231	88	8849	391.962	ug/l	96
51) 4-Methyl-2-Pentanone	10.000	43	182327	103.024	ug/l	98
52) Toluene	10.170	92	204974	20.695	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	92881	20.464	ug/l	94
54) cis-1,3-Dichloropropene	9.853	75	110434	20.469	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	58541	20.690	ug/l	98
56) Ethyl methacrylate	10.439	69	65515	20.248	ug/l	98
57) 1,3-Dichloropropane	10.719	76	92172	20.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	156438	98.888	ug/l	98
59) 2-Hexanone	10.762	43	118083	101.159	ug/l	99
60) Dibromochloromethane	10.908	129	81393	20.778	ug/l	100
61) 1,2-Dibromoethane	11.012	107	55208	20.669	ug/l	100
64) Tetrachloroethene	10.646	164	99725	21.436	ug/l	97
65) Chlorobenzene	11.438	112	228588	20.727	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.512	131	80878	20.831	ug/l	99
67) Ethyl Benzene	11.518	91	369787	20.497	ug/l	99
68) m/p-Xylenes	11.627	106	301279	41.968	ug/l	100
69) o-Xylene	11.957	106	139615	21.101	ug/l	98
70) Styrene	11.969	104	232426	20.921	ug/l	98
71) Bromoform	12.133	173	45741	20.263	ug/l #	97
73) Isopropylbenzene	12.255	105	361924	21.073	ug/l	99
74) N-amyl acetate	12.066	43	60240	20.415	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	59280	20.472	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	43474m	19.744	ug/l	
77) Bromobenzene	12.530	156	91454	21.073	ug/l	99
78) n-propylbenzene	12.591	91	433304	21.185	ug/l	100
79) 2-Chlorotoluene	12.676	91	252306	21.211	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	302671	21.389	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	18769	20.527	ug/l	96
82) 4-Chlorotoluene	12.773	91	265731	21.491	ug/l	99
83) tert-Butylbenzene	12.999	119	270458	21.310	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	299799	21.181	ug/l	99
85) sec-Butylbenzene	13.176	105	394082	21.220	ug/l	99
86) p-Isopropyltoluene	13.292	119	328226	20.813	ug/l	98
87) 1,3-Dichlorobenzene	13.286	146	182043	20.653	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	178654	20.465	ug/l	99
89) n-Butylbenzene	13.615	91	293721	20.838	ug/l	99
90) Hexachloroethane	13.877	117	71159	20.538	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	156943	20.414	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	9726	21.112	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	89699	20.590	ug/l	97
94) Hexachlorobutadiene	15.023	225	54537	20.347	ug/l	99
95) Naphthalene	15.145	128	152140	21.023	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	78415	20.852	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
Data File : VY022122.D
Acq On : 02 May 2025 12:16
Operator : SY/MD
Sample : VY0502SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025

Quant Time: May 03 02:49:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 23 02:30:30 2025
Response via : Initial Calibration

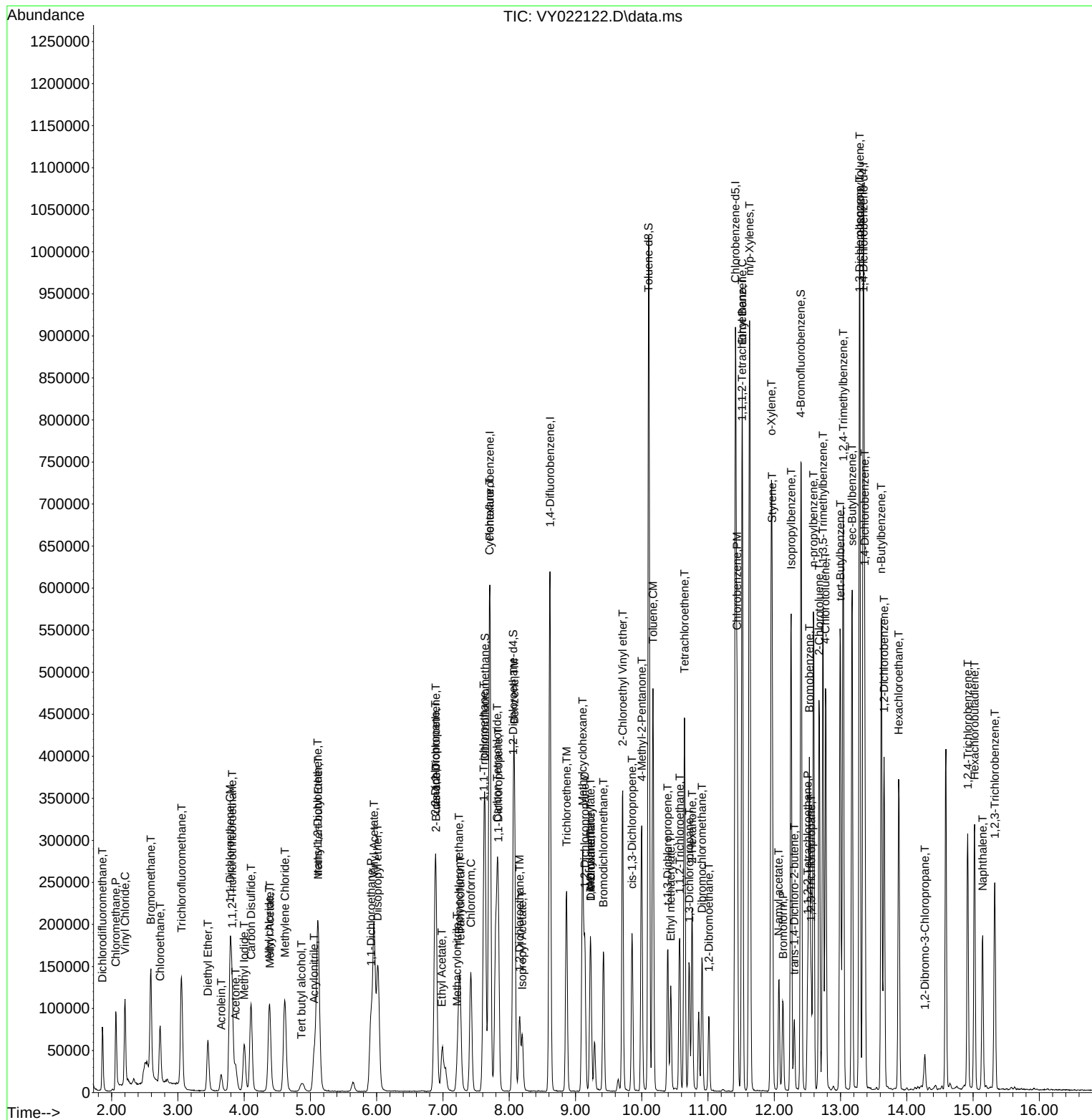
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_Y
ClientSampleId :
VY0502SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
Supervised By :Mahesh Dadoda 05/05/2025



Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086277.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	1,4-Dichlorobenzene	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	Acetone	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	Vinyl Acetate	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	Allyl chloride	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	Vinyl Acetate	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN041525

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN086282.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICC100	VN086282.D	trans-1,4-Dichloro-2-butene	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	trans-1,4-Dichloro-2-butene	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN050525

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086478.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:56:49 AM	MMDadoda	5/6/2025 12:40:29 PM	Peak Integrated by Software
VN0505MBS01	VN086491.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:57:31 AM	MMDadoda	5/6/2025 12:40:34 PM	Peak Integrated by Software
VSTDCCC050	VN086502.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:57:41 AM	MMDadoda	5/6/2025 12:40:38 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

vn050625

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086504.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:49:28 AM	MMDadoda	5/7/2025 1:28:59 PM	Peak Integrated by Software
VN0506MBS01	VN086515.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:50:03 AM	MMDadoda	5/7/2025 1:29:12 PM	Peak Integrated by Software
VSTDCCC050	VN086526.D	1,2,3-Trichloropropane	JOHN	5/7/2025 9:50:21 AM	MMDadoda	5/7/2025 1:29:26 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN050925

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086553.D	1,2,3-Trichloropropane	JOHN	5/12/2025 9:51:17 AM	MMDadoda	5/12/2025 1:58:14 PM	Peak Integrated by Software
VSTDCCC050	VN086553.D	trans-1,4-Dichloro-2-but ene	JOHN	5/12/2025 9:51:17 AM	MMDadoda	5/12/2025 1:58:14 PM	Peak Integrated by Software
VN0509MBS02	VN086557.D	1,2,3-Trichloropropane	JOHN	5/12/2025 9:51:26 AM	MMDadoda	5/12/2025 1:58:16 PM	Peak Integrated by Software
Q1939-03RE	VN086558.D	Naphthalene	JOHN	5/12/2025 9:51:31 AM	MMDadoda	5/12/2025 1:58:18 PM	Peak Integrated by Software
VSTDCCC050	VN086568.D	1,2,3-Trichloropropane	JOHN	5/12/2025 9:51:41 AM	MMDadoda	5/12/2025 1:58:23 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY042225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021953.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Ethyl Acetate	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Methacrylonitrile	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC005	VY021953.D	Tert butyl alcohol	SAM	4/23/2025 7:34:48 AM	MMDadoda	4/23/2025 1:28:59 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Ethyl Acetate	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC010	VY021954.D	Methacrylonitrile	SAM	4/23/2025 7:34:50 AM	MMDadoda	4/23/2025 1:29:03 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICC020	VY021955.D	Methacrylonitrile	SAM	4/23/2025 7:34:51 AM	MMDadoda	4/23/2025 1:29:07 PM	Peak Integrated by Software
VSTDICCC050	VY021956.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:53 AM	MMDadoda	4/23/2025 1:29:11 PM	Peak Integrated by Software
VSTDICC100	VY021957.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:56 AM	MMDadoda	4/23/2025 1:29:15 PM	Peak Integrated by Software
VSTDICC150	VY021958.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:57 AM	MMDadoda	4/23/2025 1:29:19 PM	Peak Integrated by Software
VSTDICV050	VY021960.D	1,2,3-Trichloropropane	SAM	4/23/2025 7:34:59 AM	MMDadoda	4/23/2025 1:29:23 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VY042225

Instrument

MSVOA_y

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

vy050225

Instrument

MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022119.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:20 PM	MMDadoda	5/5/2025 2:58:23 PM	Peak Integrated by Software
VY0502SBS01	VY022121.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:21 PM	MMDadoda	5/5/2025 2:58:24 PM	Peak Integrated by Software
VY0502SBSD0 1	VY022122.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:23 PM	MMDadoda	5/5/2025 2:58:25 PM	Peak Integrated by Software
VSTDCCC050	VY022143.D	1,2,3-Trichloropropane	Sam	5/5/2025 2:51:25 PM	MMDadoda	5/5/2025 2:58:33 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM		
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M
STD. NAME		STD REF.#			
Tune/Reschk		VP133665			
Initial Calibration Stds		VP133667,VP133668,VP133669,VP133670,VP133671,VP133672			
CCC					
Internal Standard/PEM		VP131746			
ICV/I.BLK		VP133673			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086276.D	15 Apr 2025 10:47	JC\MD	Ok
2	VSTDIC001	VN086277.D	15 Apr 2025 11:29	JC\MD	Ok,M
3	VSTDIC005	VN086278.D	15 Apr 2025 12:21	JC\MD	Ok,M
4	VSTDIC010	VN086279.D	15 Apr 2025 12:45	JC\MD	Ok,M
5	VSTDIC020	VN086280.D	15 Apr 2025 13:09	JC\MD	Ok,M
6	VSTDIC050	VN086281.D	15 Apr 2025 13:51	JC\MD	Ok,M
7	VSTDIC100	VN086282.D	15 Apr 2025 14:29	JC\MD	Ok,M
8	VIBLK	VN086283.D	15 Apr 2025 15:06	JC\MD	Ok
9	VSTDICV050	VN086284.D	15 Apr 2025 15:30	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM
Supervise By	Maresh Dadoda	Supervise On	5/6/2025 12:40:44 PM
SubDirectory	VN050525	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133808		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133809,VP133810		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086477.D	05 May 2025 10:23	JC\MD	Ok
2	VSTDCCC050	VN086478.D	05 May 2025 11:32	JC\MD	Ok,M
3	VN0505MBL01	VN086479.D	05 May 2025 12:13	JC\MD	Ok
4	VN0505WBL01	VN086480.D	05 May 2025 12:38	JC\MD	Ok
5	VN0505WBS01	VN086481.D	05 May 2025 13:02	JC\MD	Ok,M
6	VN0505WBSD01	VN086482.D	05 May 2025 13:36	JC\MD	Ok,M
7	IBLK	VN086483.D	05 May 2025 14:00	JC\MD	Ok
8	Q1942-01	VN086484.D	05 May 2025 14:24	JC\MD	Ok
9	Q1942-02	VN086485.D	05 May 2025 14:48	JC\MD	Ok
10	Q1942-03	VN086486.D	05 May 2025 15:12	JC\MD	Ok
11	Q1942-04	VN086487.D	05 May 2025 15:36	JC\MD	Ok
12	Q1956-07	VN086488.D	05 May 2025 16:00	JC\MD	Ok
13	Q1929-05RE	VN086489.D	05 May 2025 16:25	JC\MD	Confirms
14	Q1929-09RE	VN086490.D	05 May 2025 16:49	JC\MD	Confirms
15	VN0505MBS01	VN086491.D	05 May 2025 17:13	JC\MD	Ok,M
16	VN0505MBSD01	VN086492.D	05 May 2025 17:37	JC\MD	Ok,M
17	Q1914-06ME	VN086493.D	05 May 2025 18:01	JC\MD	Not Ok
18	Q1914-07MEDL	VN086494.D	05 May 2025 18:25	JC\MD	Ok
19	Q1914-08DL	VN086495.D	05 May 2025 18:49	JC\MD	Ok
20	Q1914-09MEDL	VN086496.D	05 May 2025 19:14	JC\MD	Ok
21	Q1914-12	VN086497.D	05 May 2025 19:38	JC\MD	Not Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QCBatch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM
SubDirectory	VN050525	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133808		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133809,VP133810		

22	IBLK	VN086498.D	05 May 2025 20:02	JC\MD	Ok
23	Q1939-03	VN086499.D	05 May 2025 20:26	JC\MD	Not Ok
24	Q1939-06	VN086500.D	05 May 2025 20:50	JC\MD	Ok
25	IBLK	VN086501.D	05 May 2025 21:14	JC\MD	Ok
26	VSTDCCC050	VN086502.D	05 May 2025 21:38	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM
SubDirectory	VN050625	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133826		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133827,VP133828		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086503.D	06 May 2025 09:13	JC\MD	Ok
2	VSTDCCC050	VN086504.D	06 May 2025 10:35	JC\MD	Ok,M
3	VN0506MBL01	VN086505.D	06 May 2025 11:11	JC\MD	Ok
4	VN0506WBL01	VN086506.D	06 May 2025 11:35	JC\MD	Ok
5	VN0506WBS01	VN086507.D	06 May 2025 11:59	JC\MD	Ok,M
6	VN0506WBSD01	VN086508.D	06 May 2025 12:34	JC\MD	Ok,M
7	Q1947-04	VN086509.D	06 May 2025 12:58	JC\MD	Ok
8	Q1947-08	VN086510.D	06 May 2025 13:22	JC\MD	Ok
9	Q1951-04	VN086511.D	06 May 2025 13:46	JC\MD	Ok,M
10	Q1956-05	VN086512.D	06 May 2025 14:11	JC\MD	Ok,M
11	Q1959-02	VN086513.D	06 May 2025 14:35	JC\MD	Ok,M
12	Q1960-03	VN086514.D	06 May 2025 14:59	JC\MD	Ok,M
13	VN0506MBS01	VN086515.D	06 May 2025 15:23	JC\MD	Ok,M
14	VN0506MBSD01	VN086516.D	06 May 2025 15:47	JC\MD	Ok,M
15	Q1939-03	VN086517.D	06 May 2025 16:11	JC\MD	ReRun
16	Q1914-06ME	VN086518.D	06 May 2025 16:35	JC\MD	Ok
17	Q1914-07ME	VN086519.D	06 May 2025 16:59	JC\MD	Dilution
18	Q1914-08	VN086520.D	06 May 2025 17:23	JC\MD	Dilution
19	Q1914-09ME	VN086521.D	06 May 2025 17:48	JC\MD	Dilution
20	Q1966-03	VN086522.D	06 May 2025 18:12	JC\MD	ReRun
21	IBLK	VN086523.D	06 May 2025 18:36	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM
Supervise By	Mahesh Dadoda	Supervise On	5/7/2025 1:29:39 PM
SubDirectory	VN050625	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133826		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133827,VP133828		

22	IBLK	VN086524.D	06 May 2025 19:00	JC\MD	Ok
23	IBLK	VN086525.D	06 May 2025 19:24	JC\MD	Ok
24	VSTDCCC050	VN086526.D	06 May 2025 19:48	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN050925

Review By	John Carlone	Review On	5/12/2025 9:52:42 AM
Supervise By	Maresh Dadoda	Supervise On	5/12/2025 1:58:31 PM
SubDirectory	VN050925	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133876		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133877,VP133878		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086552.D	09 May 2025 09:49	JC\MD	Ok
2	VSTDCCC050	VN086553.D	09 May 2025 11:00	JC\MD	Ok,M
3	VN0509MBL01	VN086554.D	09 May 2025 11:34	JC\MD	Ok
4	VN0509WBL01	VN086555.D	09 May 2025 11:58	JC\MD	Ok
5	VN0509MBS01	VN086556.D	09 May 2025 12:22	JC\MD	Not Ok
6	VN0509MBS02	VN086557.D	09 May 2025 12:57	JC\MD	Ok,M
7	Q1939-03RE	VN086558.D	09 May 2025 13:31	JC\MD	Confirms
8	Q1980-04	VN086559.D	09 May 2025 13:55	JC\MD	Dilution
9	Q1980-05	VN086560.D	09 May 2025 14:19	JC\MD	ReRun
10	IBLK	VN086561.D	09 May 2025 14:43	JC\MD	Ok
11	IBLK	VN086562.D	09 May 2025 15:07	JC\MD	Ok
12	Q1980-04DL	VN086563.D	09 May 2025 15:31	JC\MD	Dilution
13	IBLK	VN086564.D	09 May 2025 16:08	JC\MD	Ok
14	IBLK	VN086565.D	09 May 2025 16:32	JC\MD	Ok
15	Q1980-05	VN086566.D	09 May 2025 16:56	JC\MD	Ok
16	Q1980-04DL2	VN086567.D	09 May 2025 17:20	JC\MD	Ok
17	VSTDCCC050	VN086568.D	09 May 2025 17:44	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM		
Supervise By	Maresh Dadoda	Supervise On	4/23/2025 1:28:52 PM		
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133718			
Initial Calibration Stds		VP133719,VP133720,VP133721,VP133722,VP133723,VP133724			
CCC					
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133725			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021952.D	22 Apr 2025 11:33	SY/MD	Ok
2	VSTDIC005	VY021953.D	22 Apr 2025 13:39	SY/MD	Ok,M
3	VSTDIC010	VY021954.D	22 Apr 2025 14:44	SY/MD	Ok,M
4	VSTDIC020	VY021955.D	22 Apr 2025 15:07	SY/MD	Ok,M
5	VSTDIC050	VY021956.D	22 Apr 2025 15:29	SY/MD	Ok,M
6	VSTDIC100	VY021957.D	22 Apr 2025 15:52	SY/MD	Ok,M
7	VSTDIC150	VY021958.D	22 Apr 2025 16:15	SY/MD	Ok,M
8	IBLK	VY021959.D	22 Apr 2025 16:38	SY/MD	Ok
9	VSTDICV050	VY021960.D	22 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM
Supervise By	Maresh Dadoda	Supervise On	5/5/2025 2:58:37 PM
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y
		HP Processing Method	82y042225s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133799		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133800,VP133801 VP131783		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022118.D	02 May 2025 10:26	SY/MD	Ok
2	VSTDCCC050	VY022119.D	02 May 2025 10:56	SY/MD	Ok,M
3	VY0502SBL01	VY022120.D	02 May 2025 11:25	SY/MD	Ok
4	VY0502SBS01	VY022121.D	02 May 2025 11:53	SY/MD	Ok,M
5	VY0502SBSD01	VY022122.D	02 May 2025 12:16	SY/MD	Ok,M
6	Q1923-01RE	VY022123.D	02 May 2025 12:53	SY/MD	Confirms
7	Q1933-01	VY022124.D	02 May 2025 13:17	SY/MD	ReRun
8	Q1932-01	VY022125.D	02 May 2025 13:40	SY/MD	Ok
9	Q1932-03	VY022126.D	02 May 2025 14:04	SY/MD	Ok
10	Q1932-05	VY022127.D	02 May 2025 14:27	SY/MD	Ok
11	Q1932-07	VY022128.D	02 May 2025 14:51	SY/MD	Ok
12	Q1928-03	VY022129.D	02 May 2025 15:14	SY/MD	Ok
13	Q1935-03	VY022130.D	02 May 2025 15:37	SY/MD	Ok
14	Q1935-07	VY022131.D	02 May 2025 16:01	SY/MD	Ok
15	Q1939-01	VY022132.D	02 May 2025 16:24	SY/MD	Ok
16	Q1939-02	VY022133.D	02 May 2025 16:48	SY/MD	Ok
17	Q1939-04	VY022134.D	02 May 2025 17:11	SY/MD	Ok
18	Q1939-05	VY022135.D	02 May 2025 17:35	SY/MD	Ok
19	Q1937-02	VY022136.D	02 May 2025 17:58	SY/MD	Ok
20	Q1937-04	VY022137.D	02 May 2025 18:22	SY/MD	Ok
21	Q1937-06	VY022138.D	02 May 2025 18:45	SY/MD	Ok

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM		
Supervise By	Maresh Dadoda	Supervise On	5/5/2025 2:58:37 PM		
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP133799				
CCC	VP133800,VP133801				
Internal Standard/PEM	VP131783				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1937-08	VY022139.D	02 May 2025 19:09	SY/MD	Ok
23	Q1937-10	VY022140.D	02 May 2025 19:32	SY/MD	Ok
24	Q1937-12	VY022141.D	02 May 2025 19:55	SY/MD	Ok
25	Q1936-02	VY022142.D	02 May 2025 20:19	SY/MD	Ok
26	VSTDCCC050	VY022143.D	02 May 2025 20:42	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM
SubDirectory	VN041525	HP Acquire Method	MSVOA_N HP Processing Method 82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133665 VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131746 VP133673

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086276.D	15 Apr 2025 10:47		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086277.D	15 Apr 2025 11:29		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086278.D	15 Apr 2025 12:21	Comp.#13,16 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC010	VSTDICC010	VN086279.D	15 Apr 2025 12:45	Comp.#43 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN086280.D	15 Apr 2025 13:09		JC\MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VN086281.D	15 Apr 2025 13:51		JC\MD	Ok,M
7	VSTDICC100	VSTDICC100	VN086282.D	15 Apr 2025 14:29		JC\MD	Ok,M
8	VIBLK	VIBLK	VN086283.D	15 Apr 2025 15:06		JC\MD	Ok
9	VSTDICV050	ICVVN041525	VN086284.D	15 Apr 2025 15:30		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM
Supervise By	Maresh Dadoda	Supervise On	5/6/2025 12:40:44 PM
SubDirectory	VN050525	HP Acquire Method	HP Processing Method 82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133808
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133809,VP133810

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086477.D	05 May 2025 10:23		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086478.D	05 May 2025 11:32	pH#Lot#V12668	JC\MD	Ok,M
3	VN0505MBL01	VN0505MBL01	VN086479.D	05 May 2025 12:13		JC\MD	Ok
4	VN0505WBL01	VN0505WBL01	VN086480.D	05 May 2025 12:38		JC\MD	Ok
5	VN0505WBS01	VN0505WBS01	VN086481.D	05 May 2025 13:02		JC\MD	Ok,M
6	VN0505WBSD01	VN0505WBSD01	VN086482.D	05 May 2025 13:36		JC\MD	Ok,M
7	IBLK	IBLK	VN086483.D	05 May 2025 14:00		JC\MD	Ok
8	Q1942-01	STORAGE-BLANK-SO	VN086484.D	05 May 2025 14:24	vial A pH<2	JC\MD	Ok
9	Q1942-02	STORAGE-BLANK-WA	VN086485.D	05 May 2025 14:48	vial A pH<2	JC\MD	Ok
10	Q1942-03	STORAGE-BLANK-WA	VN086486.D	05 May 2025 15:12	vial A pH<2	JC\MD	Ok
11	Q1942-04	STORAGE-BLANK-SAI	VN086487.D	05 May 2025 15:36	vial A pH<2	JC\MD	Ok
12	Q1956-07	FB-05022025	VN086488.D	05 May 2025 16:00	vial A pH<2 FB	JC\MD	Ok
13	Q1929-05RE	WC-A1-03-GRE	VN086489.D	05 May 2025 16:25	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
14	Q1929-09RE	WC-A1-04-GRE	VN086490.D	05 May 2025 16:49	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
15	VN0505MBS01	VN0505MBS01	VN086491.D	05 May 2025 17:13		JC\MD	Ok,M
16	VN0505MBSD01	VN0505MBSD01	VN086492.D	05 May 2025 17:37		JC\MD	Ok,M
17	Q1914-06ME	SS-5ME	VN086493.D	05 May 2025 18:01	run straight meoh	JC\MD	Not Ok
18	Q1914-07MEDL	SS-6MEDL	VN086494.D	05 May 2025 18:25		JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM
Supervise By	Maresh Dadoda	Supervise On	5/6/2025 12:40:44 PM
SubDirectory	VN050525	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133808		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133809,VP133810		

19	Q1914-08DL	SS-7DL	VN086495.D	05 May 2025 18:49		JC\MD	Ok
20	Q1914-09MEDL	SS-8MEDL	VN086496.D	05 May 2025 19:14		JC\MD	Ok
21	Q1914-12	SS-9	VN086497.D	05 May 2025 19:38	run soil	JC\MD	Not Ok
22	IBLK	IBLK	VN086498.D	05 May 2025 20:02		JC\MD	Ok
23	Q1939-03	GB2	VN086499.D	05 May 2025 20:26	Need Straight Run	JC\MD	Not Ok
24	Q1939-06	GB3B	VN086500.D	05 May 2025 20:50	vial C	JC\MD	Ok
25	IBLK	IBLK	VN086501.D	05 May 2025 21:14		JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN086502.D	05 May 2025 21:38		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM
Supervise By	Maresh Dadoda	Supervise On	5/7/2025 1:29:39 PM
SubDirectory	VN050625	HP Acquire Method	HP Processing Method 82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133826
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133827,VP133828

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086503.D	06 May 2025 09:13		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086504.D	06 May 2025 10:35	CCC Failed Low For Com.#17,31	JC\MD	Ok,M
3	VN0506MBL01	VN0506MBL01	VN086505.D	06 May 2025 11:11		JC\MD	Ok
4	VN0506WBL01	VN0506WBL01	VN086506.D	06 May 2025 11:35		JC\MD	Ok
5	VN0506WBS01	VN0506WBS01	VN086507.D	06 May 2025 11:59		JC\MD	Ok,M
6	VN0506WBSD01	VN0506WBSD01	VN086508.D	06 May 2025 12:34		JC\MD	Ok,M
7	Q1947-04	MH-P	VN086509.D	06 May 2025 12:58	vial A pH#5.0	JC\MD	Ok
8	Q1947-08	MH-O	VN086510.D	06 May 2025 13:22	vial A pH#5.0	JC\MD	Ok
9	Q1951-04	MH-KK	VN086511.D	06 May 2025 13:46	vial A pH#5.0	JC\MD	Ok,M
10	Q1956-05	COMP1	VN086512.D	06 May 2025 14:11	vial A pH#5.0	JC\MD	Ok,M
11	Q1959-02	SOIL-PILE	VN086513.D	06 May 2025 14:35	vial A pH#5.0	JC\MD	Ok,M
12	Q1960-03	72-11933	VN086514.D	06 May 2025 14:59	vial A pH#5.0	JC\MD	Ok,M
13	VN0506MBS01	VN0506MBS01	VN086515.D	06 May 2025 15:23		JC\MD	Ok,M
14	VN0506MBSD01	VN0506MBSD01	VN086516.D	06 May 2025 15:47		JC\MD	Ok,M
15	Q1939-03	GB2	VN086517.D	06 May 2025 16:11	vial C, CCC Failed Low	JC\MD	ReRun
16	Q1914-06ME	SS-5ME	VN086518.D	06 May 2025 16:35		JC\MD	Ok
17	Q1914-07ME	SS-6ME	VN086519.D	06 May 2025 16:59	Need 20X	JC\MD	Dilution

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050625

Review By	John Carlone	Review On	5/7/2025 9:53:45 AM
Supervise By	Maresh Dadoda	Supervise On	5/7/2025 1:29:39 PM
SubDirectory	VN050625	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133826		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133827,VP133828		

18	Q1914-08	SS-7	VN086520.D	06 May 2025 17:23	Need 20X	JC\MD	Dilution
19	Q1914-09ME	SS-8ME	VN086521.D	06 May 2025 17:48	Need 20X	JC\MD	Dilution
20	Q1966-03	SILICA-GEL	VN086522.D	06 May 2025 18:12	CCC Failed Low,Run@ Lower Dilution	JC\MD	ReRun
21	IBLK	IBLK	VN086523.D	06 May 2025 18:36		JC\MD	Ok
22	IBLK	IBLK	VN086524.D	06 May 2025 19:00		JC\MD	Ok
23	IBLK	IBLK	VN086525.D	06 May 2025 19:24		JC\MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VN086526.D	06 May 2025 19:48		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050925

Review By	John Carlone	Review On	5/12/2025 9:52:42 AM
Supervise By	Mahesh Dadoda	Supervise On	5/12/2025 1:58:31 PM
SubDirectory	VN050925	HP Acquire Method	HP Processing Method 82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133876
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133877,VP133878

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086552.D	09 May 2025 09:49		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086553.D	09 May 2025 11:00	CCAL failed low for comp. #31	JC\MD	Ok,M
3	VN0509MBL01	VN0509MBL01	VN086554.D	09 May 2025 11:34		JC\MD	Ok
4	VN0509WBL01	VN0509WBL01	VN086555.D	09 May 2025 11:58		JC\MD	Ok
5	VN0509MBS01	VN0509MBS01	VN086556.D	09 May 2025 12:22	Recovery fail	JC\MD	Not Ok
6	VN0509MBS02	VN0509MBS02	VN086557.D	09 May 2025 12:57		JC\MD	Ok,M
7	Q1939-03RE	GB2RE	VN086558.D	09 May 2025 13:31	vial C, CCAL Failed Low	JC\MD	Confirms
8	Q1980-04	3848	VN086559.D	09 May 2025 13:55	Need 40X	JC\MD	Dilution
9	Q1980-05	3837	VN086560.D	09 May 2025 14:19	E flag of previous sample	JC\MD	ReRun
10	IBLK	IBLK	VN086561.D	09 May 2025 14:43		JC\MD	Ok
11	IBLK	IBLK	VN086562.D	09 May 2025 15:07		JC\MD	Ok
12	Q1980-04DL	3848DL	VN086563.D	09 May 2025 15:31	Need 100X	JC\MD	Dilution
13	IBLK	IBLK	VN086564.D	09 May 2025 16:08		JC\MD	Ok
14	IBLK	IBLK	VN086565.D	09 May 2025 16:32		JC\MD	Ok
15	Q1980-05	3837	VN086566.D	09 May 2025 16:56	cloth material	JC\MD	Ok
16	Q1980-04DL2	3848DL2	VN086567.D	09 May 2025 17:20	cloth material	JC\MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VN086568.D	09 May 2025 17:44		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY042225

Review By	Semsettin Yesilyurt	Review On	4/23/2025 7:35:07 AM
Supervise By	Maresh Dadoda	Supervise On	4/23/2025 1:28:52 PM
SubDirectory	VY042225	HP Acquire Method	MSVOA_Y HP Processing Method 82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133718 VP133719,VP133720,VP133721,VP133722,VP133723,VP133724
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131783 VP133725

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021952.D	22 Apr 2025 11:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021953.D	22 Apr 2025 13:39		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021954.D	22 Apr 2025 14:44	Com.#16 is on Linear Regression	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021955.D	22 Apr 2025 15:07		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021956.D	22 Apr 2025 15:29		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021957.D	22 Apr 2025 15:52		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021958.D	22 Apr 2025 16:15		SY/MD	Ok,M
8	IBLK	IBLK	VY021959.D	22 Apr 2025 16:38		SY/MD	Ok
9	VSTDICV050	ICVVY042225	VY021960.D	22 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM
Supervise By	Maresh Dadoda	Supervise On	5/5/2025 2:58:37 PM
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y HP Processing Method 82y042225s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133799
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133800,VP133801 VP131783

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022118.D	02 May 2025 10:26		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022119.D	02 May 2025 10:56		SY/MD	Ok,M
3	VY0502SBL01	VY0502SBL01	VY022120.D	02 May 2025 11:25		SY/MD	Ok
4	VY0502SBS01	VY0502SBS01	VY022121.D	02 May 2025 11:53		SY/MD	Ok,M
5	VY0502SBSD01	VY0502SBSD01	VY022122.D	02 May 2025 12:16		SY/MD	Ok,M
6	Q1923-01RE	TR-05-04302025RE	VY022123.D	02 May 2025 12:53	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1933-01	OK-01-050125	VY022124.D	02 May 2025 13:17	vial-A Internal Standard Fail	SY/MD	ReRun
8	Q1932-01	COMP-4	VY022125.D	02 May 2025 13:40	vial-A	SY/MD	Ok
9	Q1932-03	COMP-5	VY022126.D	02 May 2025 14:04	vial-A	SY/MD	Ok
10	Q1932-05	COMP-6	VY022127.D	02 May 2025 14:27	vial-A	SY/MD	Ok
11	Q1932-07	COMP-7	VY022128.D	02 May 2025 14:51	vial-A	SY/MD	Ok
12	Q1928-03	MH-Q-VOC	VY022129.D	02 May 2025 15:14	vial-A	SY/MD	Ok
13	Q1935-03	MH-NN-VOC	VY022130.D	02 May 2025 15:37	vial-A	SY/MD	Ok
14	Q1935-07	MH-MM-VOC	VY022131.D	02 May 2025 16:01	vial-A	SY/MD	Ok
15	Q1939-01	GB1	VY022132.D	02 May 2025 16:24	vial-A	SY/MD	Ok
16	Q1939-02	GB1B	VY022133.D	02 May 2025 16:48	vial-A	SY/MD	Ok
17	Q1939-04	GB2B	VY022134.D	02 May 2025 17:11	vial-A	SY/MD	Ok
18	Q1939-05	GB3	VY022135.D	02 May 2025 17:35	vial-A	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY050225

Review By	Semsettin Yesilyurt	Review On	5/5/2025 2:51:30 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2025 2:58:37 PM		
SubDirectory	VY050225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042225s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133799			
CCC		VP133800,VP133801			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q1937-02	LARGE-PILE-A	VY022136.D	02 May 2025 17:58	vial-A	SY/MD	Ok
20	Q1937-04	LARGE-PILE-B	VY022137.D	02 May 2025 18:22	vial-A	SY/MD	Ok
21	Q1937-06	LARGE-PILE-C	VY022138.D	02 May 2025 18:45	vial-A	SY/MD	Ok
22	Q1937-08	LARGE-PILE-D	VY022139.D	02 May 2025 19:09	vial-A	SY/MD	Ok
23	Q1937-10	LARGE-PILE-E	VY022140.D	02 May 2025 19:32	vial-A	SY/MD	Ok
24	Q1937-12	LARGE-PILE-F	VY022141.D	02 May 2025 19:55	vial-A	SY/MD	Ok
25	Q1936-02	SMALL-PILE-A	VY022142.D	02 May 2025 20:19	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY022143.D	02 May 2025 20:42		SY/MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: rubina
Analyst: jignesh
Date: 5/2/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135626

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1928-01	MH-Q	1	1.15	10.00	11.15	9.86	87.1	
Q1928-02	MH-Q-EPH	2	1.18	10.41	11.59	10.18	86.5	
Q1928-03	MH-Q-VOC	3	1.13	10.00	11.13	9.56	84.3	
Q1929-02	WC-AA-02-C	4	1.15	10.65	11.8	10.38	86.7	
Q1929-06	WC-AA-03-C	5	1.18	10.06	11.24	9.00	77.7	
Q1929-10	WC-AA-04-C	6	1.17	10.24	11.41	9.52	81.5	
Q1932-01	COMP-4	7	1.18	10.22	11.4	10.71	93.2	
Q1932-03	COMP-5	8	1.18	10.24	11.42	10.68	92.8	
Q1932-05	COMP-6	9	1.17	10.20	11.37	10.69	93.3	
Q1932-07	COMP-7	10	1.14	10.31	11.45	10.89	94.6	
Q1933-01	OK-01-050125	11	1.18	10.05	11.23	10.41	91.8	
Q1933-02	OK-01-050125-E2	12	1.19	10.54	11.73	10.88	91.9	
Q1935-01	MH-NN	13	1.19	10.45	11.64	10.41	88.2	
Q1935-02	MH-NN-EPH	14	1.12	10.35	11.47	10.2	87.7	
Q1935-03	MH-NN-VOC	15	1.19	10.56	11.75	10.45	87.7	
Q1935-05	MH-MM	16	1.17	10.40	11.57	10.38	88.6	
Q1935-06	MH-MM-EPH	17	1.11	10.65	11.76	10.55	88.6	
Q1935-07	MH-MM-VOC	18	1.14	10.21	11.35	10.12	88.0	
Q1939-01	GB1	19	1.18	11.07	12.25	10.57	84.8	
Q1939-02	GB1B	20	1.16	10.55	11.71	9.84	82.3	
Q1939-03	GB2	21	1.19	10.57	11.76	9.43	78.0	
Q1939-04	GB2B	22	1.18	10.46	11.64	10.11	85.4	
Q1939-05	GB3	23	1.15	10.29	11.44	10.06	86.6	
Q1939-06	GB3B	24	1.13	10.07	11.2	10.04	88.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

135626

WorkList Name : %1-050125

WorkList ID : 189260

Department : Wet-Chemistry

Date : 05-01-2025 13:23:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1928-01	MH-Q	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1928-02	MH-Q-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1928-03	MH-Q-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1929-02	WC-AA-02-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/01/2025	Chemtech -SO
Q1929-06	WC-AA-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/29/2025	Chemtech -SO
Q1929-10	WC-AA-04-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/30/2025	Chemtech -SO
Q1932-01	COMP-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	L41	05/30/2025	Chemtech -SO
Q1932-03	COMP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1932-05	COMP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1932-07	COMP-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1933-01	OK-01-050125	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1933-02	OK-01-050125-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/01/2025	Chemtech -SO
Q1935-01	MH-NN	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	05/01/2025	Chemtech -SO
Q1935-02	MH-NN-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1935-03	MH-NN-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1935-05	MH-MM	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1935-06	MH-MM-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1935-07	MH-MM-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1939-01	GB1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/01/2025	Chemtech -SO
Q1939-02	GB1B	Solid	Percent Solids	Cool 4 deg C	GENV01	L51	05/01/2025	Chemtech -SO
Q1939-03	GB2	Solid	Percent Solids	Cool 4 deg C	GENV01	L51	05/01/2025	Chemtech -SO

Date/Time 05/01/25 15:20

Raw Sample Received by: SPWBC

Raw Sample Relinquished by: CPER

Date/Time

05/01/25

Raw Sample Received by:

SPWBC

Raw Sample Relinquished by:

SPWBC

WORKLIST(Hardcopy Internal Chain)

13526

WorkList Name : %1-050125

WorkList ID : 189260

Department : Wet-Chemistry

Date : 05-01-2025 13:23:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1939-04	GB2B	Solid	Percent Solids	Cool 4 deg C	GENV01	L51	05/01/2025	Chemtech -SO
Q1939-05	GB3	Solid	Percent Solids	Cool 4 deg C	GENV01	L51	05/01/2025	Chemtech -SO
Q1939-06	GB3B	Solid	Percent Solids	Cool 4 deg C	GENV01	L51	05/01/2025	Chemtech -SO

Date/Time 05/01/25 15:20
 Raw Sample Received by: JB WDC
 Raw Sample Relinquished by: J an

Date/Time 05/01/25 17:30
 Raw Sample Received by: JB WDC
 Raw Sample Relinquished by: JB WDC

Preservation Log

BalanceID: VOA-SC-2

Review By: Amit

Supervise By: MMDadoda

Seq	LabID	Vial A Weight(g)= Total Wt-Tare Wt	Vial A Time	Vial B Weight(g)= Total Wt-Tare Wt	Vial B Time	Vial C Weight(g) Preserve with MeOH	Vial C Time	Methanol ID	Preservation Date	Comments
1	Q1939-01	39.26-31.24=8.02	10:01	41.03-33.43=7.6	10:01	33.97-27.70=6.27	10:02	V14143	05/02/2025	EPA TERRACORE SAMPLES
2	Q1939-02	40.35-32.85=7.5	10:03	40.80-32.96=7.84	10:04	36.46-28.50=7.96	10:05	V14143	05/02/2024	EPA TERRACORE SAMPLES
3	Q1939-03	39.22-31.16=8.06	10:06	38.04-31.06=6.98	10:07	34.90-27.74=7.16	10:08	V14143	05/02/2024	EPA TERRACORE SAMPLES
4	Q1939-04	40.34-33.13=7.21	10:09	38.50-31.15=7.35	10:10	34.96-27.81=7.15	10:11	V14143	05/02/2024	EPA TERRACORE SAMPLES
5	Q1939-05	39.44-33.09=6.35	10:12	39.19-32.52=6.67	10:13	34.60-27.99=6.61	10:14	V14143	05/02/2024	EPA TERRACORE SAMPLES
6	Q1939-06	40.01-32.60=7.41	10:15	40.16-32.85=7.31	10:17	35.53-28.46=7.07	10:18	V14143	05/02/2025	EPA TERRACORE SAMPLES

Instructions : For medium Level analysis, 5ml MeOH added for CLP(SOM/SFAM) method and 10ml for regular 8260.

If the samples are not to be analyzed within 48hrs of sampling, preserve samples immediately, Vials A and B are stored in the VOA-FRZ-2.

Vial C - MeOH preserved vials are kept in VOA-REF #6.



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: G Environmental
ADDRESS: 8 Carriage
CITY: Successville STATE: NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amsterdam
PROJECT NO.: LOCATION: NJ
PROJECT MANAGER: BL
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G Environmental
ADDRESS: 8 Carriage
CITY: Successville STATE: NJ ZIP:
ATTENTION: PHONE:

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 Direct path
☒ EDD FORMAT has site NDA

1. TEL VOC + 15 SOL
2. EPH GAT 1
3. TAL METALS
4. 1,4 Dioxene
5.
6.
7.
8.
9.

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	GB1	Soil		X	5/1/25	1121	5	X		X	X						
2.	GB1B					1128	1					X					
3.	GB2					1305	1			X	X						
4.	GB2B					1310	1					X					
5.	GB3					1315	1			X	X						
6.	GB3B	Soil		X	5/1/25	1325	5	X				X					
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: <u>1/1/25</u>	DATE/TIME: <u>5/1/25</u>	RECEIVED BY: <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: <u>2-3°C</u>
RELINQUISHED BY SAMPLER: <u>2.</u>	DATE/TIME: <u></u>	RECEIVED BY: <u></u>	Comments: <u>Amsterdam</u> <u>Adjust factor +1</u>
RELINQUISHED BY SAMPLER: <u>3.</u>	DATE/TIME: <u></u>	RECEIVED BY: <u></u>	Shipment Complete ☐ YES ☐ NO

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 : Q1939 GENV01

Order Date : 5/1/2025 2:51:00 PM

Project Mgr :

Client Name : G Environmental

Project Name : Amsterdam

Report Type : Level 1 NJ reduce

Client Contact : Gary Landis

Receive DateTime : 5/1/2025 2:23:00 PM

EDD Type : Excel NJ

Invoice Name : G Environmental

Purchase Order :

Hard Copy Date :

Invoice Contact : Gary Landis

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1939-01	GB1	Solid	05/01/2025	11:21					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-02	GB1B	Solid	05/01/2025	11:28					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-03	GB2	Solid	05/01/2025	13:05					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-04	GB2B	Solid	05/01/2025	13:10					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-05	GB3	Solid	05/01/2025	13:15					
					VOCMS Group1		8260D		10 Bus. Days
Q1939-06	GB3B	Solid	05/01/2025	13:25					
					VOCMS Group1		8260D		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1939 GENV01

Order Date : 5/1/2025 2:51:00 PM

Project Mgr :

Client Name : G Environmental

Project Name : Amsterdam

Report Type : ~~Level~~ ^{NJ} Reduce

Client Contact : Gary Landis

Receive DateTime : 5/1/2025 2:23:00 PM

EDD Type : Excel NJ

Invoice Name : G Environmental

Purchase Order :

Hard Copy Date :

Invoice Contact : Gary Landis

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

7/24/2025

stored in roa
frz + 02 & Extract
in roa ref #06

Relinquished By :

Date / Time : 5/1/25 1520

Received By :

Date / Time : 5-1-25 15:30

Storage Area : VOA Refridgerator Room