

Cover Page

Order ID : Q2503

Project ID : Capra

Client : G Environmental

Lab Sample Number

Q2503-01
Q2503-02
Q2503-03
Q2503-04
Q2503-05

Client Sample Number

GCAP2W
GCAP3W
GCAP2
GCAP3
GCAP2A

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: 7/15/2025

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 #: Q2503

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: NILESH PRAJAPATI

Date: 07/15/2025

LAB CHRONICLE

OrderID: Q2503	OrderDate: 7/3/2025 11:38:00 AM
Client: G Environmental	Project: Capra
Contact: Gary Landis	Location: --Select--,O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2503-01	GCAP2W	Water	VOC-TCLVOA-10	8260D	07/02/25		07/03/25	07/03/25
Q2503-02	GCAP3W	Water	VOC-TCLVOA-10	8260D	07/02/25		07/03/25	07/03/25
Q2503-03	GCAP2	SOIL	VOC-TCLVOA-10	8260D	07/02/25		07/14/25	07/03/25
Q2503-03ME	GCAP2ME	SOIL	VOC-TCLVOA-10	8260D	07/02/25		07/15/25	07/03/25
Q2503-04	GCAP3	SOIL	VOC-TCLVOA-10	8260D	07/02/25		07/14/25	07/03/25
Q2503-04ME	GCAP3ME	SOIL	VOC-TCLVOA-10	8260D	07/02/25		07/15/25	07/03/25

Hit Summary Sheet SW-846

SDG No.: Q2503

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	GCAP2W							
Q2503-01	GCAP2W	Water	Chloromethane	2.50	J	0.32	5.00	ug/L
Q2503-01	GCAP2W	Water	Cyclohexane	1.90	J	1.50	5.00	ug/L
Q2503-01	GCAP2W	Water	Methylcyclohexane	2.00	J	0.16	5.00	ug/L
Q2503-01	GCAP2W	Water	Toluene	0.48	J	0.14	5.00	ug/L
			Total Voc :	6.88				
			Total Concentration:	6.88				
Client ID:	GCAP3W							
Q2503-02	GCAP3W	Water	Chloromethane	0.50	J	0.32	5.00	ug/L
Q2503-02	GCAP3W	Water	Cyclohexane	14.1		1.50	5.00	ug/L
Q2503-02	GCAP3W	Water	Methylcyclohexane	48.9		0.16	5.00	ug/L
Q2503-02	GCAP3W	Water	Toluene	0.38	J	0.14	5.00	ug/L
Q2503-02	GCAP3W	Water	Isopropylbenzene	0.74	J	0.12	5.00	ug/L
			Total Voc :	64.6				
Q2503-02	GCAP3W	Water	Butane, 2,3-dimethyl-	* 8.10	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Pentane, 3-methyl-	* 25.4	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Cyclopentane, methyl-	* 45.1	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Pentane, 2-methyl-	* 29.4	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Cyclohexane, 1,2-dimethyl- (ci-	* 9.00	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Hexane, 3-methyl-	* 33.9	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Isopropylcyclobutane	* 26.0	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Cyclopentane, ethyl-	* 9.00	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Cyclohexane, ethyl-	* 6.50	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Benzene, 2-ethyl-1,4-dimethyl-	* 6.40	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Cyclopentane, 1,3-dimethyl-, tr	* 40.0	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Cyclohexane, 1,3-dimethyl-, tr	* 6.20	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Cyclopentane, 1,3-dimethyl-	* 20.7	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Cyclopentane, 1,2,3-trimethyl-,	* 10.6	J	0	0	ug/L
Q2503-02	GCAP3W	Water	Cyclopentane, 1,2,4-trimethyl-,	* 6.20	J	0	0	ug/L
Q2503-02	GCAP3W	Water	n-propylbenzene	* 2.00	J	0.13	5.00	ug/L
Q2503-02	GCAP3W	Water	sec-Butylbenzene	* 0.61	J	0.13	5.00	ug/L
Q2503-02	GCAP3W	Water	n-Butylbenzene	* 0.95	J	0.15	5.00	ug/L
			Total Tics :	286				
			Total Concentration:	351				
Client ID:	GCAP2							
Q2503-03	GCAP2	SOIL	Acetone	360		6.90	36.3	ug/Kg
Q2503-03	GCAP2	SOIL	Carbon Disulfide	3.20	J	1.50	7.30	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q2503

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2503-03	GCAP2	SOIL	Cyclohexane	600	E	1.10	7.30	ug/Kg
Q2503-03	GCAP2	SOIL	2-Butanone	120		9.50	36.3	ug/Kg
Q2503-03	GCAP2	SOIL	Methylcyclohexane	990	E	1.30	7.30	ug/Kg
Q2503-03	GCAP2	SOIL	Toluene	5.30	J	1.10	7.30	ug/Kg
Q2503-03	GCAP2	SOIL	Ethyl Benzene	2.00	J	0.97	7.30	ug/Kg
Q2503-03	GCAP2	SOIL	m/p-Xylenes	29.7		1.80	14.5	ug/Kg
Q2503-03	GCAP2	SOIL	o-Xylene	6.40	J	1.20	7.30	ug/Kg
Q2503-03	GCAP2	SOIL	Isopropylbenzene	36.1		1.10	7.30	ug/Kg
Total Voc :				2150				
Q2503-03	GCAP2	SOIL	Benzene, 1,2,4,5-tetramethyl-	* 180	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclopentane, methyl-	* 110	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclohexane, 1,2-dimethyl- (ci-	* 150	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Benzene, 1-ethyl-2-methyl-	* 63.0	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclopentane, 1,2-dimethyl-, tr	* 270	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclopentane, ethyl-	* 89.1	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclohexane, 1,4-dimethyl-, tr	* 110	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclopentane, 1,3-dimethyl-	* 230	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclopentane, 1,3-dimethyl-, ci	* 290	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclohexane, 1,1,3-trimethyl-	* 87.8	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	1H-Indene, 2,3-dihydro-1,3-din	* 89.6	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclohexane, 1,2-dimethyl-, tr	* 120	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclopentane, 1,2,3-trimethyl-,	* 130	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Cyclopentane, 1,2,4-trimethyl-,	* 77.2	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	Benzene, (1-methyl-1-butenyl)-	* 69.9	J	0	0	ug/Kg
Q2503-03	GCAP2	SOIL	n-propylbenzene	* 54.7	J	1.10	7.30	ug/Kg
Q2503-03	GCAP2	SOIL	1,3,5-Trimethylbenzene	* 23.6	J	1.20	7.30	ug/Kg
Q2503-03	GCAP2	SOIL	1,2,4-Trimethylbenzene	* 53.0	J	0.93	7.30	ug/Kg
Q2503-03	GCAP2	SOIL	sec-Butylbenzene	* 7.80	J	0.96	7.30	ug/Kg
Q2503-03	GCAP2	SOIL	p-Isopropyltoluene	* 6.30	J	0.90	7.30	ug/Kg
Q2503-03	GCAP2	SOIL	n-Butylbenzene	* 4.80	J	2.10	7.30	ug/Kg
Total Tics :				2220				
Total Concentration:				4370				
Client ID:	GCAP2ME							
Q2503-03ME	GCAP2ME	SOIL	Cyclohexane	550	D	37.2	240	ug/Kg
Q2503-03ME	GCAP2ME	SOIL	Methylcyclohexane	1200	D	42.8	240	ug/Kg
Q2503-03ME	GCAP2ME	SOIL	m/p-Xylenes	83.4	JD	58.4	470	ug/Kg
Q2503-03ME	GCAP2ME	SOIL	Isopropylbenzene	76.2	JD	36.7	240	ug/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2503

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Voc :				1910				
Total Concentration:				1910				
Client ID:	GCAP3							
Q2503-04	GCAP3	SOIL	Acetone	320		7.10	37.7	ug/Kg
Q2503-04	GCAP3	SOIL	Carbon Disulfide	7.00	J	1.60	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclohexane	1100	E	1.20	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	2-Butanone	110		9.90	37.7	ug/Kg
Q2503-04	GCAP3	SOIL	Methylcyclohexane	2400	E	1.40	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	Toluene	12.9		1.20	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	Ethyl Benzene	18.7		1.00	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	m/p-Xylenes	200		1.90	15.1	ug/Kg
Q2503-04	GCAP3	SOIL	o-Xylene	36.0		1.20	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	Isopropylbenzene	88.4		1.20	7.50	ug/Kg
Total Voc :				4290				
Q2503-04	GCAP3	SOIL	Pentane, 3-methyl-	* 43.4	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclopentane, methyl-	* 96.5	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Indane	* 43.0	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclohexane, 1,2-dimethyl- (ci	* 170	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclohexene, 1-methyl-	* 50.5	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclopentane, 1,2-dimethyl-, tr	* 350	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclobutane, (1-methylethylide	* 110	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclopentane, ethyl-	* 120	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclohexane, ethyl-	* 59.7	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclopentane, 1,3-dimethyl-, tr	* 270	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclohexane, 1,2-dimethyl-, ci	* 58.3	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclopentane, 1,3-dimethyl-	* 300	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclohexane, 1,2-dimethyl-, tr	* 120	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	Cyclopentane, 1,2,3-trimethyl-,	* 61.6	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	1,4-Hexadiene, 2,3-dimethyl-	* 160	J	0	0	ug/Kg
Q2503-04	GCAP3	SOIL	n-propylbenzene	* 140	J	1.10	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	1,3,5-Trimethylbenzene	* 180	J	1.20	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	tert-Butylbenzene	* 2.90	J	1.00	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	1,2,4-Trimethylbenzene	* 500	J	0.96	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	sec-Butylbenzene	* 7.10	J	0.99	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	p-Isopropyltoluene	* 15.6	J	0.93	7.50	ug/Kg
Q2503-04	GCAP3	SOIL	n-Butylbenzene	* 2.40	J	2.20	7.50	ug/Kg
Total Tics :				2860				

Hit Summary Sheet
SW-846

SDG No.: Q2503

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				7150				
Client ID:	GCAP3ME							
Q2503-04ME	GCAP3ME	SOIL	Acetone	570	JD	400	2100	ug/Kg
Q2503-04ME	GCAP3ME	SOIL	Cyclohexane	1500	D	67.1	420	ug/Kg
Q2503-04ME	GCAP3ME	SOIL	Methylcyclohexane	4000	D	77.2	420	ug/Kg
Q2503-04ME	GCAP3ME	SOIL	Toluene	190	JD	66.2	420	ug/Kg
Q2503-04ME	GCAP3ME	SOIL	m/p-Xylenes	470	JD	110	850	ug/Kg
Q2503-04ME	GCAP3ME	SOIL	Isopropylbenzene	120	JD	66.2	420	ug/Kg
Total Voc :				6850				
Total Concentration:				6850				



QC SUMMARY

Surrogate Summary

SDG No.: **Q2503**

Client: **G Environmental**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2503-01	GCAP2W	1,2-Dichloroethane-d4	50	47.9	96		74	125
		Dibromofluoromethane	50	47.0	94		75	124
		Toluene-d8	50	49.9	100		86	113
		4-Bromofluorobenzene	50	50.1	100		77	121
Q2503-02	GCAP3W	1,2-Dichloroethane-d4	50	47.8	96		74	125
		Dibromofluoromethane	50	48.3	97		75	124
		Toluene-d8	50	49.3	99		86	113
		4-Bromofluorobenzene	50	51.3	103		77	121
Q2503-03	GCAP2	1,2-Dichloroethane-d4	50	40.2	80		63	155
		Dibromofluoromethane	50	43.2	86		70	134
		Toluene-d8	50	48.0	96		74	123
		4-Bromofluorobenzene	50	38.0	76		17	146
Q2503-03ME	GCAP2ME	1,2-Dichloroethane-d4	50	52.7	105		63	155
		Dibromofluoromethane	50	48.6	97		70	134
		Toluene-d8	50	47.8	96		74	123
		4-Bromofluorobenzene	50	51.6	103		17	146
Q2503-04	GCAP3	1,2-Dichloroethane-d4	50	44.1	88		63	155
		Dibromofluoromethane	50	47.6	95		70	134
		Toluene-d8	50	51.5	103		74	123
		4-Bromofluorobenzene	50	39.9	80		17	146
Q2503-04ME	GCAP3ME	1,2-Dichloroethane-d4	50	52.4	105		63	155
		Dibromofluoromethane	50	48.1	96		70	134
		Toluene-d8	50	48.5	97		74	123
		4-Bromofluorobenzene	50	51.5	103		17	146
VW0714SBL01	VW0714SBL01	1,2-Dichloroethane-d4	50	48.0	96		63	155
		Dibromofluoromethane	50	47.1	94		70	134
		Toluene-d8	50	44.9	90		74	123
		4-Bromofluorobenzene	50	46.2	92		17	146
VW0714SBS01	VW0714SBS01	1,2-Dichloroethane-d4	50	53.8	108		63	155
		Dibromofluoromethane	50	49.6	99		70	134
		Toluene-d8	50	51.4	103		74	123
		4-Bromofluorobenzene	50	52.3	105		17	146
VW0714SBSD0	VW0714SBSD01	1,2-Dichloroethane-d4	50	55.2	110		63	155
		Dibromofluoromethane	50	51.7	103		70	134
		Toluene-d8	50	50.5	101		74	123
		4-Bromofluorobenzene	50	54.1	108		17	146
VX0715MBL01	VX0715MBL01	1,2-Dichloroethane-d4	50	52.4	105		63	155
		Dibromofluoromethane	50	48.5	97		70	134
		Toluene-d8	50	48.5	97		74	123
		4-Bromofluorobenzene	50	52.2	104		17	146
VX0715MBS01	VX0715MBS01	1,2-Dichloroethane-d4	50	53.9	108		63	155
		Dibromofluoromethane	50	50.2	100		70	134
		Toluene-d8	50	48.5	97		74	123
		4-Bromofluorobenzene	50	51.5	103		17	146

Surrogate Summary

SDG No.: Q2503

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX0703WBL01	VX0703WBL01	1,2-Dichloroethane-d4	50	50.3	101		74	125
		Dibromofluoromethane	50	48.6	97		75	124
		Toluene-d8	50	49.6	99		86	113
		4-Bromofluorobenzene	50	50.6	101		77	121
VX0703WBS01	VX0703WBS01	1,2-Dichloroethane-d4	50	49.9	100		74	125
		Dibromofluoromethane	50	49.1	98		75	124
		Toluene-d8	50	49.6	99		86	113
		4-Bromofluorobenzene	50	50.7	101		77	121
VX0703WBSD0	VX0703WBSD01	1,2-Dichloroethane-d4	50	51.3	103		74	125
		Dibromofluoromethane	50	49.8	100		75	124
		Toluene-d8	50	49.3	99		86	113
		4-Bromofluorobenzene	50	51.1	102		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2503</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW031838.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0714SBS01	Dichlorodifluoromethane	20	18.8	ug/Kg	94			64	136	
	Chloromethane	20	19.6	ug/Kg	98			52	151	
	Vinyl chloride	20	20.6	ug/Kg	103			56	148	
	Bromomethane	20	20.2	ug/Kg	101			58	141	
	Chloroethane	20	20.2	ug/Kg	101			69	130	
	Trichlorofluoromethane	20	16.8	ug/Kg	84			69	134	
	1,1,2-Trichlorotrifluoroethane	20	19.5	ug/Kg	98			81	123	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			79	121	
	Acetone	100	87.1	ug/Kg	87			40	171	
	Carbon disulfide	20	18.7	ug/Kg	94			59	130	
	Methyl tert-butyl Ether	20	22.8	ug/Kg	114			77	129	
	Methyl Acetate	20	18.6	ug/Kg	93			69	149	
	Methylene Chloride	20	24.0	ug/Kg	120			72	131	
	trans-1,2-Dichloroethene	20	21.7	ug/Kg	109			80	123	
	1,1-Dichloroethane	20	22.2	ug/Kg	111			82	123	
	Cyclohexane	20	19.7	ug/Kg	99			76	122	
	2-Butanone	100	96.3	ug/Kg	96			69	131	
	Carbon Tetrachloride	20	17.9	ug/Kg	90			76	129	
	cis-1,2-Dichloroethene	20	22.3	ug/Kg	112			82	123	
	Bromochloromethane	20	21.9	ug/Kg	110			80	127	
	Chloroform	20	22.7	ug/Kg	114			82	125	
	1,1,1-Trichloroethane	20	20.7	ug/Kg	104			80	126	
	Methylcyclohexane	20	18.4	ug/Kg	92			77	123	
	Benzene	20	20.9	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.5	ug/Kg	103			83	122	
	1,2-Dichloropropane	20	21.4	ug/Kg	107			83	122	
	Bromodichloromethane	20	20.8	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	94.7	ug/Kg	95			70	135	
	Toluene	20	21.4	ug/Kg	107			83	122	
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	21.0	ug/Kg	105			81	122	
	1,1,2-Trichloroethane	20	20.8	ug/Kg	104			82	125	
	2-Hexanone	100	95.7	ug/Kg	96			66	138	
	Dibromochloromethane	20	20.0	ug/Kg	100			79	125	
	1,2-Dibromoethane	20	19.5	ug/Kg	98			80	125	
	Tetrachloroethene	20	17.7	ug/Kg	89			83	125	
	Chlorobenzene	20	20.3	ug/Kg	102			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	41.6	ug/Kg	104			83	124	
	o-Xylene	20	21.2	ug/Kg	106			83	123	
	Styrene	20	21.5	ug/Kg	108			82	124	
	Bromoform	20	18.3	ug/Kg	92			75	127	
	Isopropylbenzene	20	21.0	ug/Kg	105			82	124	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/Kg	104			77	127	
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103			83	122	
	1,4-Dichlorobenzene	20	21.6	ug/Kg	108			84	121	
	1,2-Dichlorobenzene	20	21.6	ug/Kg	108			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2503

Analytical Method: SW8260D

Client: G Environmental

Datafile : VW031838.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VW0714SBS01	1,2-Dibromo-3-Chloropropane	20	18.2	ug/Kg	91			66	134	
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104			78	127	
	1,2,3-Trichlorobenzene	20	20.8	ug/Kg	104			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2503</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW031839.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0714SBSD01	Dichlorodifluoromethane	20	16.9	ug/Kg	85	10		64	136	20
	Chloromethane	20	19.7	ug/Kg	99	1		52	151	20
	Vinyl chloride	20	20.0	ug/Kg	100	3		56	148	20
	Bromomethane	20	20.4	ug/Kg	102	1		58	141	20
	Chloroethane	20	20.1	ug/Kg	101	0		69	130	20
	Trichlorofluoromethane	20	19.3	ug/Kg	97	14		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/Kg	98	0		81	123	20
	1,1-Dichloroethene	20	20.0	ug/Kg	100	3		79	121	20
	Acetone	100	99.3	ug/Kg	99	13		40	171	20
	Carbon disulfide	20	18.5	ug/Kg	93	1		59	130	20
	Methyl tert-butyl Ether	20	22.8	ug/Kg	114	0		77	129	20
	Methyl Acetate	20	20.9	ug/Kg	104	11		69	149	20
	Methylene Chloride	20	24.5	ug/Kg	123	2		72	131	20
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106	3		80	123	20
	1,1-Dichloroethane	20	22.1	ug/Kg	111	0		82	123	20
	Cyclohexane	20	19.8	ug/Kg	99	0		76	122	20
	2-Butanone	100	110	ug/Kg	110	14		69	131	20
	Carbon Tetrachloride	20	18.5	ug/Kg	93	3		76	129	20
	cis-1,2-Dichloroethene	20	22.4	ug/Kg	112	0		82	123	20
	Bromochloromethane	20	22.9	ug/Kg	115	4		80	127	20
	Chloroform	20	22.5	ug/Kg	113	1		82	125	20
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103	1		80	126	20
	Methylcyclohexane	20	18.1	ug/Kg	91	1		77	123	20
	Benzene	20	20.9	ug/Kg	104	0		84	121	20
	1,2-Dichloroethane	20	20.6	ug/Kg	103	1		81	126	20
	Trichloroethene	20	19.5	ug/Kg	98	5		83	122	20
	1,2-Dichloropropane	20	20.5	ug/Kg	103	4		83	122	20
	Bromodichloromethane	20	20.8	ug/Kg	104	0		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	5		70	135	20
	Toluene	20	21.1	ug/Kg	106	1		83	122	20
	t-1,3-Dichloropropene	20	21.0	ug/Kg	105	3		78	124	20
	cis-1,3-Dichloropropene	20	21.0	ug/Kg	105	0		81	122	20
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105	1		82	125	20
	2-Hexanone	100	110	ug/Kg	110	14		66	138	20
	Dibromochloromethane	20	19.5	ug/Kg	98	2		79	125	20
	1,2-Dibromoethane	20	20.8	ug/Kg	104	6		80	125	20
	Tetrachloroethene	20	17.3	ug/Kg	86	3		83	125	20
	Chlorobenzene	20	19.7	ug/Kg	99	3		84	122	20
	Ethyl Benzene	20	20.4	ug/Kg	102	2		82	124	20
	m/p-Xylenes	40	39.8	ug/Kg	100	4		83	124	20
	o-Xylene	20	20.5	ug/Kg	103	3		83	123	20
	Styrene	20	20.4	ug/Kg	102	6		82	124	20
	Bromoform	20	19.1	ug/Kg	96	4		75	127	20
	Isopropylbenzene	20	20.4	ug/Kg	102	3		82	124	20
	1,1,2,2-Tetrachloroethane	20	20.8	ug/Kg	104	0		77	127	20
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	1		83	122	20
	1,4-Dichlorobenzene	20	20.2	ug/Kg	101	7		84	121	20
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	4		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2503</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW031839.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW0714SBSD01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/Kg	96	5		66	134	20
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99	5		78	127	20
	1,2,3-Trichlorobenzene	20	19.2	ug/Kg	96	8		70	137	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2503</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX046873.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0703WBS01	Dichlorodifluoromethane	20	18.7	ug/L	94			69	116	
	Chloromethane	20	19.0	ug/L	95			65	116	
	Vinyl chloride	20	18.7	ug/L	94			65	117	
	Bromomethane	20	20.5	ug/L	103			58	125	
	Chloroethane	20	18.2	ug/L	91			56	128	
	Trichlorofluoromethane	20	18.8	ug/L	94			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.8	ug/L	94			80	112	
	1,1-Dichloroethene	20	18.2	ug/L	91			74	110	
	Acetone	100	86.7	ug/L	87			60	125	
	Carbon disulfide	20	18.0	ug/L	90			64	112	
	Methyl tert-butyl Ether	20	18.9	ug/L	95			78	114	
	Methyl Acetate	20	19.3	ug/L	97			67	125	
	Methylene Chloride	20	18.5	ug/L	93			72	114	
	trans-1,2-Dichloroethene	20	19.2	ug/L	96			75	108	
	1,1-Dichloroethane	20	19.0	ug/L	95			78	112	
	Cyclohexane	20	19.2	ug/L	96			75	110	
	2-Butanone	100	93.1	ug/L	93			65	122	
	Carbon Tetrachloride	20	18.3	ug/L	92			77	113	
	cis-1,2-Dichloroethene	20	19.0	ug/L	95			77	110	
	Bromochloromethane	20	16.0	ug/L	80			70	124	
	Chloroform	20	19.1	ug/L	96			79	113	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			80	108	
	Methylcyclohexane	20	18.6	ug/L	93			72	115	
	Benzene	20	18.9	ug/L	95			82	109	
	1,2-Dichloroethane	20	18.6	ug/L	93			80	115	
	Trichloroethene	20	18.4	ug/L	92			77	113	
	1,2-Dichloropropane	20	18.6	ug/L	93			83	111	
	Bromodichloromethane	20	18.8	ug/L	94			83	110	
	4-Methyl-2-Pentanone	100	95.2	ug/L	95			74	118	
	Toluene	20	19.1	ug/L	96			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	18.5	ug/L	93			82	110	
	1,1,2-Trichloroethane	20	19.1	ug/L	96			83	112	
	2-Hexanone	100	92.1	ug/L	92			73	117	
	Dibromochloromethane	20	18.6	ug/L	93			82	110	
	1,2-Dibromoethane	20	18.6	ug/L	93			81	110	
	Tetrachloroethene	20	18.5	ug/L	93			67	123	
	Chlorobenzene	20	18.6	ug/L	93			82	109	
	Ethyl Benzene	20	18.9	ug/L	95			83	109	
	m/p-Xylenes	40	38.0	ug/L	95			82	110	
	o-Xylene	20	18.7	ug/L	94			83	109	
	Styrene	20	19.3	ug/L	97			80	111	
	Bromoform	20	18.3	ug/L	92			79	109	
	Isopropylbenzene	20	18.6	ug/L	93			83	112	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/L	91			76	118	
	1,3-Dichlorobenzene	20	18.4	ug/L	92			82	108	
	1,4-Dichlorobenzene	20	18.0	ug/L	90			82	107	
	1,2-Dichlorobenzene	20	18.5	ug/L	93			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2503</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX046873.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0703WBS01	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88			68	112	
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89			75	113	
	1,2,3-Trichlorobenzene	20	17.9	ug/L	90			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2503</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX046874.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0703WBSD01	Dichlorodifluoromethane	20	19.3	ug/L	97	3		69	116	19
	Chloromethane	20	19.4	ug/L	97	2		65	116	21
	Vinyl chloride	20	19.1	ug/L	96	2		65	117	19
	Bromomethane	20	20.5	ug/L	103	0		58	125	20
	Chloroethane	20	18.8	ug/L	94	3		56	128	20
	Trichlorofluoromethane	20	19.5	ug/L	98	4		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98	4		80	112	15
	1,1-Dichloroethene	20	19.2	ug/L	96	5		74	110	20
	Acetone	100	91.0	ug/L	91	4		60	125	20
	Carbon disulfide	20	18.5	ug/L	93	3		64	112	20
	Methyl tert-butyl Ether	20	20.5	ug/L	103	8		78	114	20
	Methyl Acetate	20	20.5	ug/L	103	6		67	125	20
	Methylene Chloride	20	19.9	ug/L	100	7		72	114	20
	trans-1,2-Dichloroethene	20	19.9	ug/L	100	4		75	108	16
	1,1-Dichloroethane	20	19.6	ug/L	98	3		78	112	20
	Cyclohexane	20	20.1	ug/L	101	5		75	110	20
	2-Butanone	100	98.7	ug/L	99	6		65	122	26
	Carbon Tetrachloride	20	19.5	ug/L	98	6		77	113	15
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	5		77	110	20
	Bromochloromethane	20	17.5	ug/L	88	10		70	124	20
	Chloroform	20	20.1	ug/L	101	5		79	113	20
	1,1,1-Trichloroethane	20	19.4	ug/L	97	3		80	108	20
	Methylcyclohexane	20	19.3	ug/L	97	4		72	115	20
	Benzene	20	19.8	ug/L	99	4		82	109	15
	1,2-Dichloroethane	20	20.3	ug/L	102	9		80	115	20
	Trichloroethene	20	18.9	ug/L	95	3		77	113	15
	1,2-Dichloropropane	20	19.9	ug/L	100	7		83	111	16
	Bromodichloromethane	20	20.0	ug/L	100	6		83	110	16
	4-Methyl-2-Pentanone	100	100	ug/L	100	5		74	118	25
	Toluene	20	20.1	ug/L	101	5		82	110	16
	t-1,3-Dichloropropene	20	19.8	ug/L	99	7		79	110	20
	cis-1,3-Dichloropropene	20	20.3	ug/L	102	9		82	110	16
	1,1,2-Trichloroethane	20	20.7	ug/L	104	8		83	112	20
	2-Hexanone	100	100	ug/L	100	8		73	117	25
	Dibromochloromethane	20	20.0	ug/L	100	7		82	110	20
	1,2-Dibromoethane	20	20.1	ug/L	101	8		81	110	20
	Tetrachloroethene	20	19.3	ug/L	97	4		67	123	15
	Chlorobenzene	20	19.4	ug/L	97	4		82	109	15
	Ethyl Benzene	20	19.7	ug/L	99	4		83	109	16
	m/p-Xylenes	40	39.9	ug/L	100	5		82	110	15
	o-Xylene	20	19.7	ug/L	99	5		83	109	20
	Styrene	20	20.1	ug/L	101	4		80	111	17
	Bromoform	20	19.3	ug/L	97	5		79	109	20
	Isopropylbenzene	20	19.2	ug/L	96	3		83	112	29
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97	6		76	118	20
	1,3-Dichlorobenzene	20	19.4	ug/L	97	5		82	108	20
	1,4-Dichlorobenzene	20	18.8	ug/L	94	4		82	107	15
	1,2-Dichlorobenzene	20	19.5	ug/L	98	5		82	109	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2503</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX046874.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0703WBSD01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/L	95	8		68	112	20
	1,2,4-Trichlorobenzene	20	18.3	ug/L	92	3		75	113	29
	1,2,3-Trichlorobenzene	20	19.5	ug/L	98	9		76	114	29

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2503</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX047007.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0715MBS01	Dichlorodifluoromethane	2000	1700	ug/Kg	85			64	136	
	Chloromethane	2000	1700	ug/Kg	85			52	151	
	Vinyl chloride	2000	1800	ug/Kg	90			56	148	
	Bromomethane	2000	1800	ug/Kg	90			58	141	
	Chloroethane	2000	1900	ug/Kg	95			69	130	
	Trichlorofluoromethane	2000	1900	ug/Kg	95			69	134	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			81	123	
	1,1-Dichloroethene	2000	1900	ug/Kg	95			79	121	
	Acetone	10000	12400	ug/Kg	124			40	171	
	Carbon disulfide	2000	1500	ug/Kg	75			59	130	
	Methyl tert-butyl Ether	2000	2400	ug/Kg	120			77	129	
	Methyl Acetate	2000	3100	ug/Kg	155		*	69	149	
	Methylene Chloride	2000	2000	ug/Kg	100			72	131	
	trans-1,2-Dichloroethene	2000	1900	ug/Kg	95			80	123	
	1,1-Dichloroethane	2000	2000	ug/Kg	100			82	123	
	Cyclohexane	2000	1900	ug/Kg	95			76	122	
	2-Butanone	10000	14000	ug/Kg	140		*	69	131	
	Carbon Tetrachloride	2000	1900	ug/Kg	95			76	129	
	cis-1,2-Dichloroethene	2000	2000	ug/Kg	100			82	123	
	Bromochloromethane	2000	2200	ug/Kg	110			80	127	
	Chloroform	2000	2100	ug/Kg	105			82	125	
	1,1,1-Trichloroethane	2000	2100	ug/Kg	105			80	126	
	Methylcyclohexane	2000	1700	ug/Kg	85			77	123	
	Benzene	2000	1900	ug/Kg	95			84	121	
	1,2-Dichloroethane	2000	2100	ug/Kg	105			81	126	
	Trichloroethene	2000	1800	ug/Kg	90			83	122	
	1,2-Dichloropropane	2000	2000	ug/Kg	100			83	122	
	Bromodichloromethane	2000	2000	ug/Kg	100			82	123	
	4-Methyl-2-Pentanone	10000	13900	ug/Kg	139		*	70	135	
	Toluene	2000	2000	ug/Kg	100			83	122	
	t-1,3-Dichloropropene	2000	2000	ug/Kg	100			78	124	
	cis-1,3-Dichloropropene	2000	2000	ug/Kg	100			81	122	
	1,1,2-Trichloroethane	2000	2100	ug/Kg	105			82	125	
	2-Hexanone	10000	14500	ug/Kg	145		*	66	138	
	Dibromochloromethane	2000	2000	ug/Kg	100			79	125	
	1,2-Dibromoethane	2000	2100	ug/Kg	105			80	125	
	Tetrachloroethene	2000	1800	ug/Kg	90			83	125	
	Chlorobenzene	2000	2000	ug/Kg	100			84	122	
	Ethyl Benzene	2000	2000	ug/Kg	100			82	124	
	m/p-Xylenes	4000	3900	ug/Kg	98			83	124	
	o-Xylene	2000	2000	ug/Kg	100			83	123	
	Styrene	2000	2000	ug/Kg	100			82	124	
	Bromoform	2000	2100	ug/Kg	105			75	127	
	Isopropylbenzene	2000	2000	ug/Kg	100			82	124	
	1,1,2,2-Tetrachloroethane	2000	2400	ug/Kg	120			77	127	
	1,3-Dichlorobenzene	2000	2000	ug/Kg	100			83	122	
	1,4-Dichlorobenzene	2000	1900	ug/Kg	95			84	121	
	1,2-Dichlorobenzene	2000	2000	ug/Kg	100			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2503

Analytical Method: SW8260D

Client: G Environmental

Datafile : VX047007.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX0715MBS01	1,2-Dibromo-3-Chloropropane	2000	2600	ug/Kg	130			66	134	
	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			78	127	
	1,2,3-Trichlorobenzene	2000	2000	ug/Kg	100			70	137	

VOLATILE METHOD BLANK SUMMARY

Client ID

VW0714SBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2503

Lab File ID: VW031837.D

Lab Sample ID: VW0714SBL01

Date Analyzed: 07/14/2025

Time Analyzed: 09:46

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW0714SBS01	VW0714SBS01	VW031838.D	07/14/2025
VW0714SBSD01	VW0714SBSD01	VW031839.D	07/14/2025
GCAP2	Q2503-03	VW031840.D	07/14/2025
GCAP3	Q2503-04	VW031841.D	07/14/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0703WBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2503

Lab File ID: VX046871.D

Lab Sample ID: VX0703WBL01

Date Analyzed: 07/03/2025

Time Analyzed: 09:09

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0703WBS01	VX0703WBS01	VX046873.D	07/03/2025
VX0703WBSD01	VX0703WBSD01	VX046874.D	07/03/2025
GCAP2W	Q2503-01	VX046886.D	07/03/2025
GCAP3W	Q2503-02	VX046887.D	07/03/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0715MBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2503

Lab File ID: VX046989.D

Lab Sample ID: VX0715MBL01

Date Analyzed: 07/15/2025

Time Analyzed: 10:39

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0715MBS01	VX0715MBS01	VX047007.D	07/15/2025
GCAP2ME	Q2503-03ME	VX047009.D	07/15/2025
GCAP3ME	Q2503-04ME	VX047010.D	07/15/2025

COMMENTS: _____



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Fax : 908 789 8922

**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2503

Lab File ID: VW031728.D

BFB Injection Date: 06/30/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:56

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	19.7
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	65.4
175	5.0 - 9.0% of mass 174	5.4 (8.2) 1
176	95.0 - 101.0% of mass 174	64.8 (99.2) 1
177	5.0 - 9.0% of mass 176	4.1 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW031729.D	06/30/2025	09:54
VSTDIC010	VSTDIC010	VW031730.D	06/30/2025	10:15
VSTDIC020	VSTDIC020	VW031731.D	06/30/2025	10:58
VSTDIC050	VSTDIC050	VW031732.D	06/30/2025	11:21
VSTDIC100	VSTDIC100	VW031733.D	06/30/2025	12:34
VSTDIC150	VSTDIC150	VW031734.D	06/30/2025	12:55



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**VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)**

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2503

Lab File ID: VW031835.D

BFB Injection Date: 07/14/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:45

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	19.5
75	30.0 - 60.0% of mass 95	53.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	63.7
175	5.0 - 9.0% of mass 174	5.4 (8.5) 1
176	95.0 - 101.0% of mass 174	62.5 (98.1) 1
177	5.0 - 9.0% of mass 176	4 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW031836.D	07/14/2025	09:17
VW0714SBL01	VW0714SBL01	VW031837.D	07/14/2025	09:46
VW0714SBS01	VW0714SBS01	VW031838.D	07/14/2025	10:14
VW0714SBSD01	VW0714SBSD01	VW031839.D	07/14/2025	10:36
GCAP2	Q2503-03	VW031840.D	07/14/2025	11:16
GCAP3	Q2503-04	VW031841.D	07/14/2025	11:38



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2503

Lab File ID: VX046859.D

BFB Injection Date: 07/02/2025

Instrument ID: MSVOA_X

BFB Injection Time: 11:12

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.2
75	30.0 - 60.0% of mass 95	50.1
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	0.8 (1) 1
174	50.0 - 100.0% of mass 95	75.5
175	5.0 - 9.0% of mass 174	5.6 (7.4) 1
176	95.0 - 101.0% of mass 174	73.3 (97.1) 1
177	5.0 - 9.0% of mass 176	4.9 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX046860.D	07/02/2025	12:11
VSTDIC005	VSTDIC005	VX046861.D	07/02/2025	12:37
VSTDIC020	VSTDIC020	VX046862.D	07/02/2025	13:18
VSTDIC050	VSTDIC050	VX046863.D	07/02/2025	13:39
VSTDIC100	VSTDIC100	VX046864.D	07/02/2025	14:10
VSTDIC150	VSTDIC150	VX046865.D	07/02/2025	14:31



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2503

Lab File ID: VX046868.D

BFB Injection Date: 07/03/2025

Instrument ID: MSVOA_X

BFB Injection Time: 07:52

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.4
75	30.0 - 60.0% of mass 95	49.9
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	0.8 (1) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	5.7 (7.6) 1
176	95.0 - 101.0% of mass 174	75.5 (99.4) 1
177	5.0 - 9.0% of mass 176	4.9 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046869.D	07/03/2025	08:19
VX0703WBL01	VX0703WBL01	VX046871.D	07/03/2025	09:09
VX0703WBS01	VX0703WBS01	VX046873.D	07/03/2025	09:56
VX0703WBSD01	VX0703WBSD01	VX046874.D	07/03/2025	10:23
GCAP2W	Q2503-01	VX046886.D	07/03/2025	14:37
GCAP3W	Q2503-02	VX046887.D	07/03/2025	14:58



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2503

Lab File ID: VX046987.D

BFB Injection Date: 07/15/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:29

GC Column: DB-624UI ID: 0.18 (mm)

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 60.0% of mass 95	52
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	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72.6 (97.9) 1
177	5.0 - 9.0% of mass 176	4.6 (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:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046988.D	07/15/2025	10:18
VX0715MBL01	VX0715MBL01	VX046989.D	07/15/2025	10:39
VX0715MBS01	VX0715MBS01	VX047007.D	07/15/2025	17:06
GCAP2ME	Q2503-03ME	VX047009.D	07/15/2025	17:49
GCAP3ME	Q2503-04ME	VX047010.D	07/15/2025	18:10

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2503
 Lab File ID: VW031836.D Date Analyzed: 07/14/2025
 Instrument ID: MSVOA_W Time Analyzed: 09:17
 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	228359	7.96	408363	8.85	364073	11.63
UPPER LIMIT	456718	8.459	816726	9.349	728146	12.129
LOWER LIMIT	114180	7.459	204182	8.349	182037	11.129
EPA SAMPLE NO.						
GCAP2	210867	7.96	390097	8.85	330238	11.63
GCAP3	198013	7.97	378189	8.86	323667	11.63
VW0714SBL01	179274	7.96	359991	8.85	334968	11.64
VW0714SBS01	217952	7.96	419177	8.85	378051	11.63
VW0714SBSD01	213196	7.97	419599	8.86	383633	11.64

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: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2503
 Lab File ID: VW031836.D Date Analyzed: 07/14/2025
 Instrument ID: MSVOA_W Time Analyzed: 09:17
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	165994	13.556				
UPPER LIMIT	331988	14.056				
LOWER LIMIT	82997	13.056				
EPA SAMPLE NO.						
GCAP2	124443	13.56				
GCAP3	116915	13.56				
VW0714SBL01	154203	13.56				
VW0714SBS01	171979	13.56				
VW0714SBSD01	180632	13.56				

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: Alliance Contract: GENV01
Lab Code: ACE SDG NO.: Q2503
Lab File ID: VX046869.D Date Analyzed: 07/03/2025
Instrument ID: MSVOA_X Time Analyzed: 08:19
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	416385	5.56	663948	6.76	582621	10.05
UPPER LIMIT	832770	6.056	1327900	7.263	1165240	10.549
LOWER LIMIT	208193	5.056	331974	6.263	291311	9.549
EPA SAMPLE NO.						
GCAP2W	529972	5.56	893199	6.77	813566	10.06
GCAP3W	551922	5.56	910736	6.77	827841	10.06
VX0703WBL01	435949	5.56	752530	6.76	691838	10.05
VX0703WBS01	380935	5.56	631809	6.77	572542	10.06
VX0703WBSD01	339915	5.56	568093	6.76	517645	10.05

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: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2503
 Lab File ID: VX046869.D Date Analyzed: 07/03/2025
 Instrument ID: MSVOA_X Time Analyzed: 08:19
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	287854	12.018				
UPPER LIMIT	575708	12.518				
LOWER LIMIT	143927	11.518				
EPA SAMPLE NO.						
GCAP2W	408234	12.02				
GCAP3W	418170	12.02				
VX0703WBL01	351915	12.02				
VX0703WBS01	293826	12.02				
VX0703WBSD01	269874	12.02				

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: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2503
 Lab File ID: VX046988.D Date Analyzed: 07/15/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:18
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	298555	5.56	499158	6.76	443564	10.06
UPPER LIMIT	597110	6.056	998316	7.263	887128	10.555
LOWER LIMIT	149278	5.056	249579	6.263	221782	9.555
EPA SAMPLE NO.						
GCAP2ME	321586	5.56	538656	6.76	489470	10.06
GCAP3ME	288950	5.56	484552	6.76	438449	10.06
VX0715MBL01	342671	5.56	579223	6.77	530422	10.06
VX0715MBS01	310444	5.57	528338	6.77	471044	10.06

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: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q2503
 Lab File ID: VX046988.D Date Analyzed: 07/15/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:18
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	217822	12.018				
UPPER LIMIT	435644	12.518				
LOWER LIMIT	108911	11.518				
EPA SAMPLE NO.						
GCAP2ME	250920	12.02				
GCAP3ME	225226	12.02				
VX0715MBL01	275487	12.02				
VX0715MBS01	239011	12.02				

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:	07/02/25	
Project:	Capra		Date Received:	07/03/25	
Client Sample ID:	GCAP2W		SDG No.:	Q2503	
Lab Sample ID:	Q2503-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046886.D	1	07/03/25 14:37	VX070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	2.50	J	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	1.90	J	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	2.00	J	0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.48	J	0.14	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	07/02/25	
Project:	Capra		Date Received:	07/03/25	
Client Sample ID:	GCAP2W		SDG No.:	Q2503	
Lab Sample ID:	Q2503-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046886.D	1	07/03/25 14:37	VX070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	530000	5.562			
540-36-3	1,4-Difluorobenzene	893000	6.769			
3114-55-4	Chlorobenzene-d5	814000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	408000	12.018			

Report of Analysis

Client:	G Environmental			Date Collected:	07/02/25	
Project:	Capra			Date Received:	07/03/25	
Client Sample ID:	GCAP2W			SDG No.:	Q2503	
Lab Sample ID:	Q2503-01			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046886.D	1	07/03/25 14:37	VX070325

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_X\Data\VX070325\
 Data File : VX046886.D
 Acq On : 03 Jul 2025 14:37
 Operator : JC/MD
 Sample : Q2503-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP2W

Quant Time: Jul 04 01:32:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

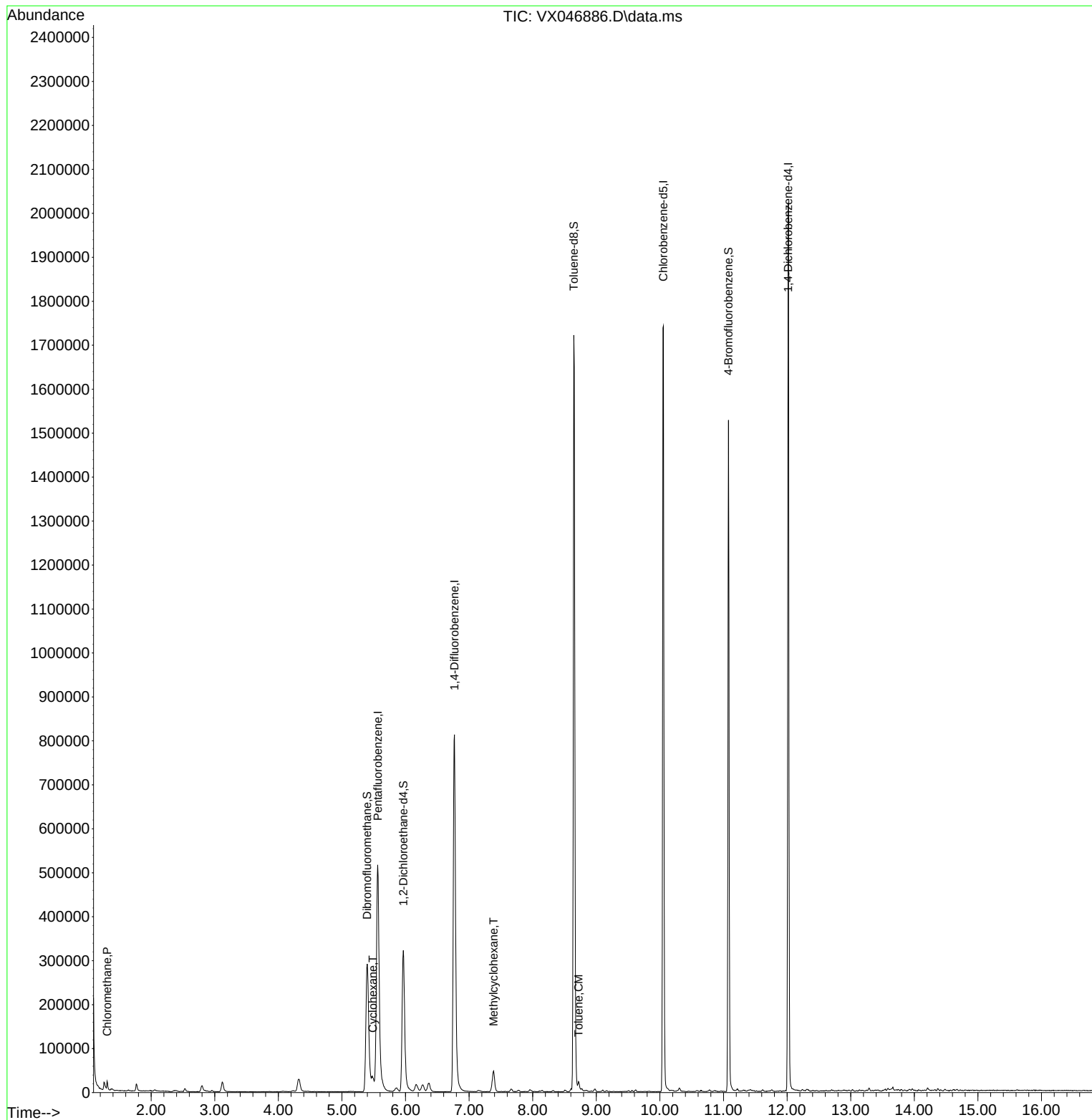
Internal Standards						
1) Pentafluorobenzene	5.562	168	529972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	893199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	813566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	408234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	335135	47.867	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.740%
35) Dibromofluoromethane	5.397	113	285078	47.019	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.040%
50) Toluene-d8	8.647	98	1067887	49.920	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.840%
62) 4-Bromofluorobenzene	11.079	95	407032	50.065	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.120%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	13721	2.478	ug/l	96
31) Cyclohexane	5.483	56	18536	1.852	ug/l	99
39) Methylcyclohexane	7.385	83	20561	2.009	ug/l	99
52) Toluene	8.720	92	7353	0.480	ug/l	95

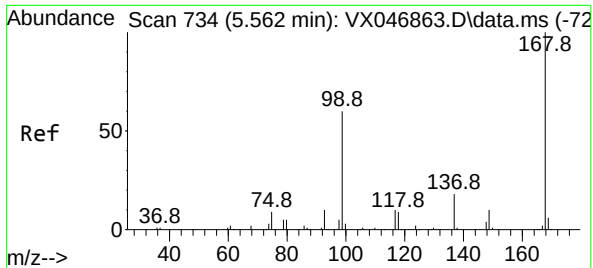
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046886.D
Acq On : 03 Jul 2025 14:37
Operator : JC/MD
Sample : Q2503-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

Quant Time: Jul 04 01:32:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.562 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX046886.D

Acq: 03 Jul 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

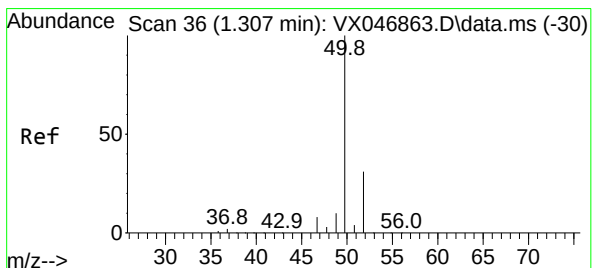
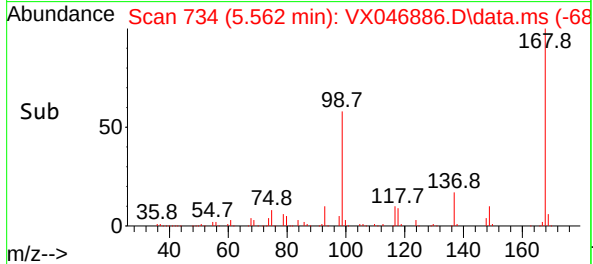
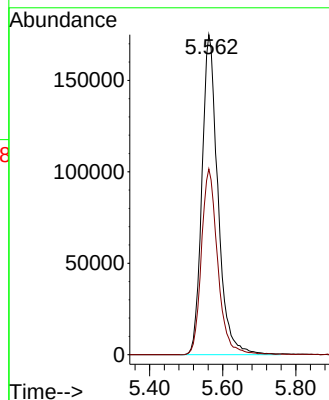
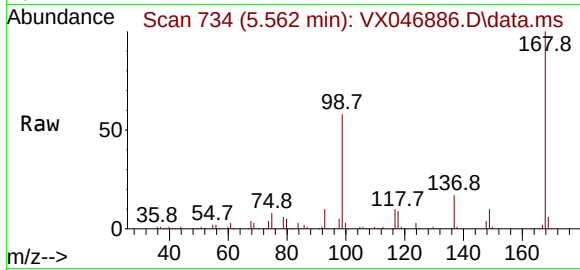
GCAP2W

Tgt Ion:168 Resp: 529972

Ion Ratio Lower Upper

168 100

99 58.1 48.8 73.2



#3

Chloromethane

Concen: 2.478 ug/l

RT: 1.307 min Scan# 36

Delta R.T. -0.000 min

Lab File: VX046886.D

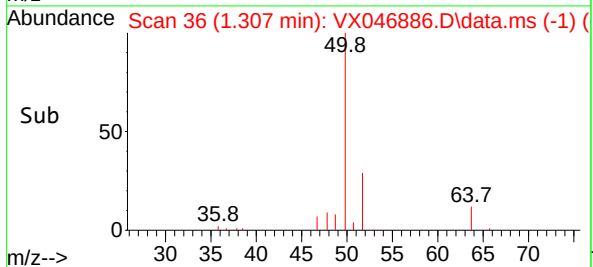
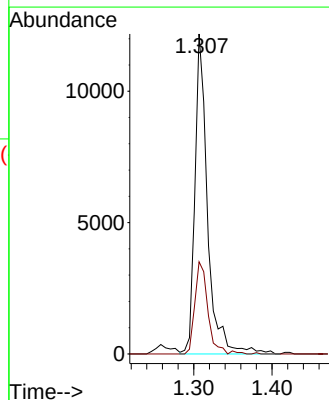
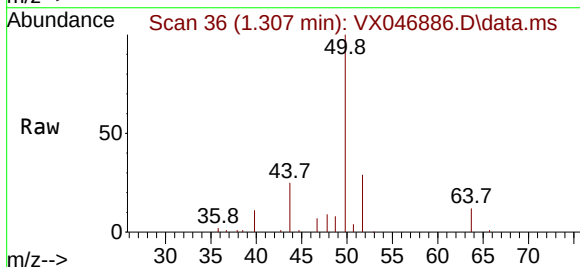
Acq: 03 Jul 2025 14:37

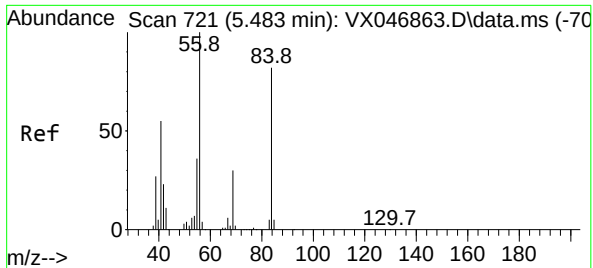
Tgt Ion: 50 Resp: 13721

Ion Ratio Lower Upper

50 100

52 28.8 25.0 37.4

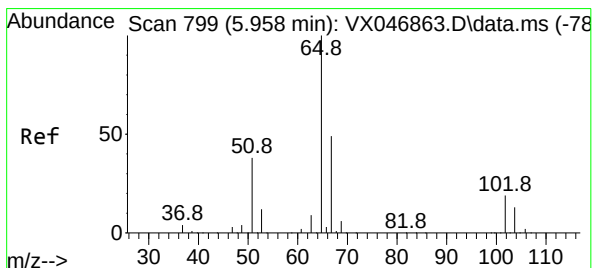
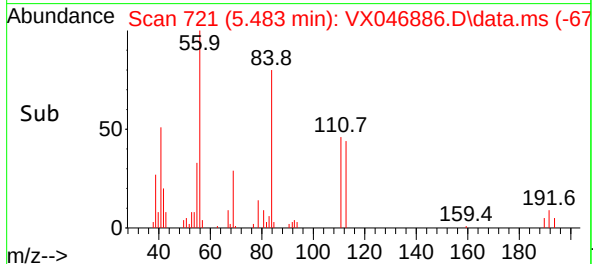
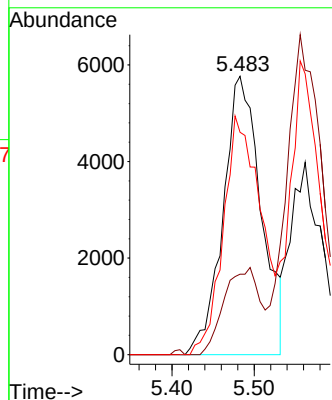
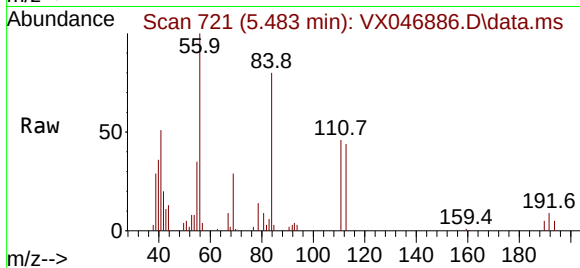




#31
Cyclohexane
Concen: 1.852 ug/l
RT: 5.483 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

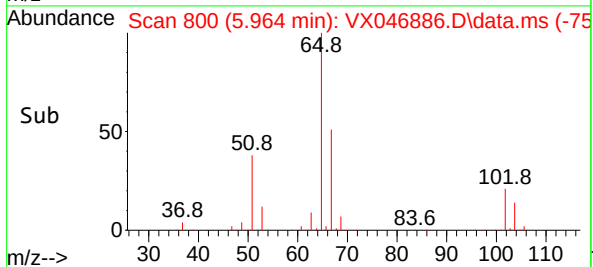
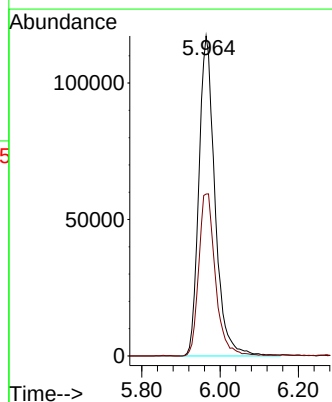
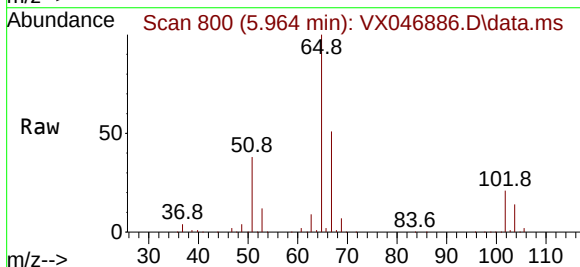
Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

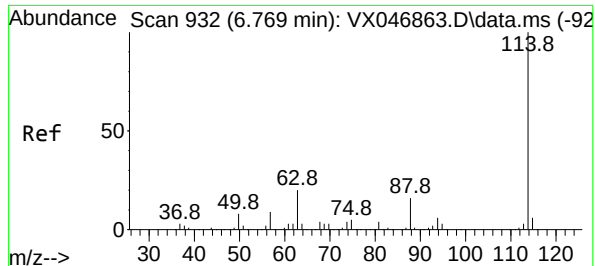
Tgt Ion: 56 Resp: 18536
Ion Ratio Lower Upper
56 100
69 27.2 24.0 36.0
84 83.0 66.5 99.7



#33
1,2-Dichloroethane-d4
Concen: 47.867 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046886.D
Acq: 03 Jul 2025 14:37

Tgt Ion: 65 Resp: 335135
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046886.D

Acq: 03 Jul 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

GCAP2W

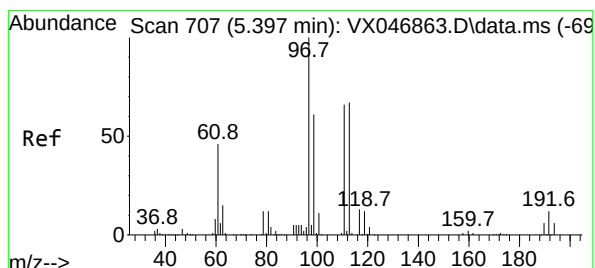
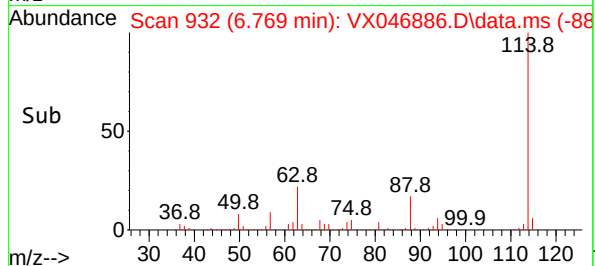
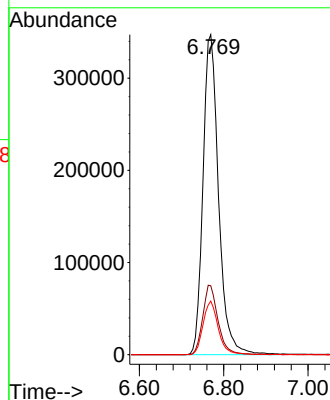
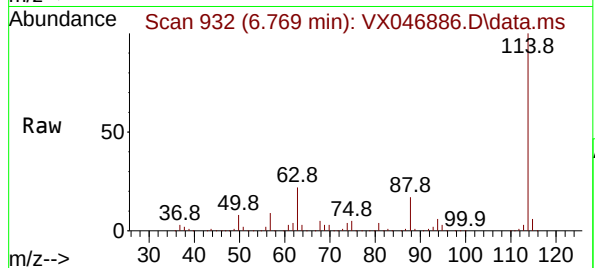
Tgt Ion:114 Resp: 893199

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

88 16.7 0.0 31.0



#35

Dibromofluoromethane

Concen: 47.019 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046886.D

Acq: 03 Jul 2025 14:37

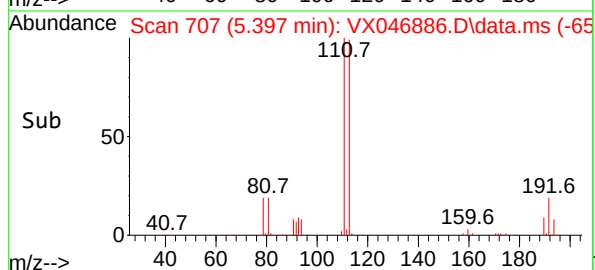
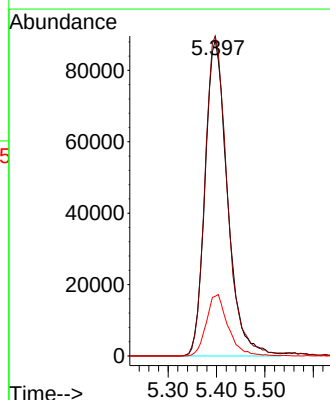
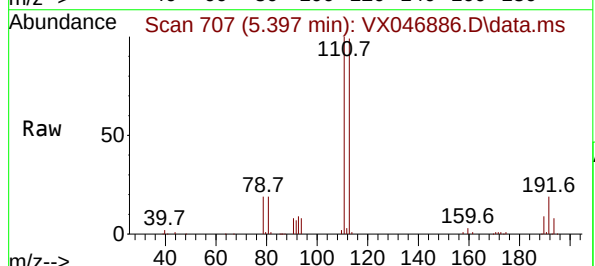
Tgt Ion:113 Resp: 285078

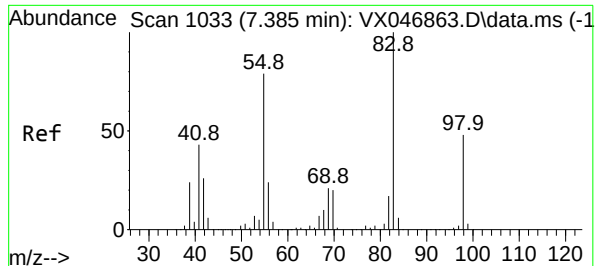
Ion Ratio Lower Upper

113 100

111 101.2 81.2 121.8

192 18.9 15.3 22.9





#39

Methylcyclohexane

Concen: 2.009 ug/l

RT: 7.385 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046886.D

Acq: 03 Jul 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

GCAP2W

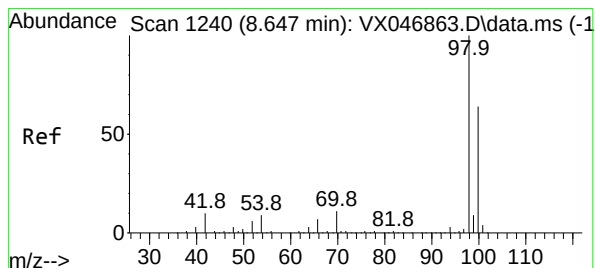
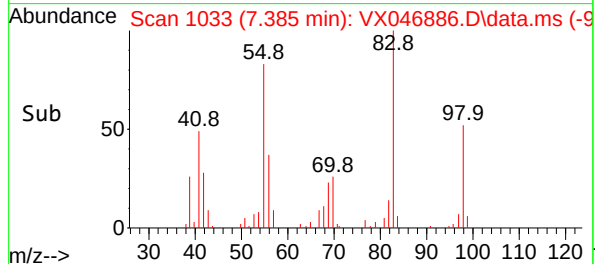
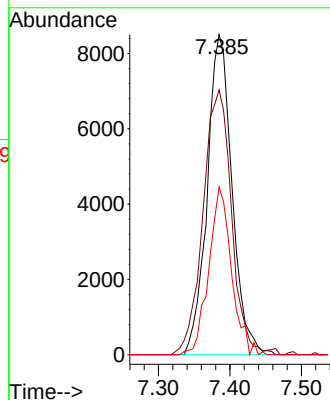
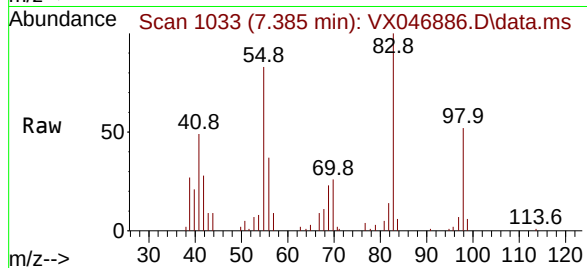
Tgt Ion: 83 Resp: 20561

Ion Ratio Lower Upper

83 100

55 78.1 63.0 94.4

98 49.4 38.5 57.7



#50

Toluene-d8

Concen: 49.920 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046886.D

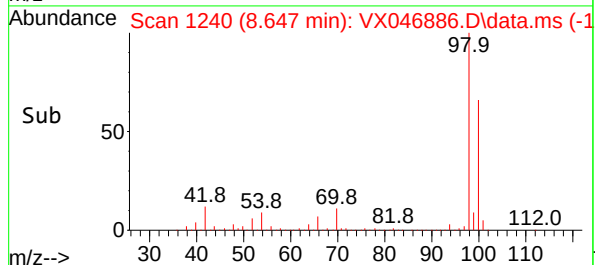
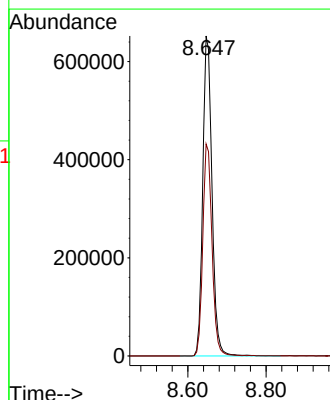
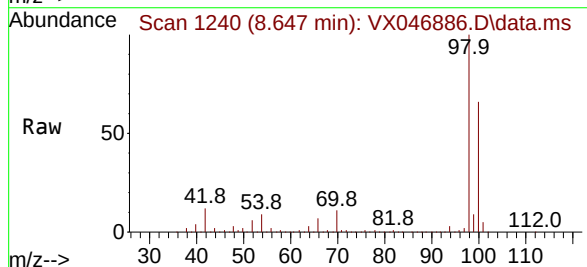
Acq: 03 Jul 2025 14:37

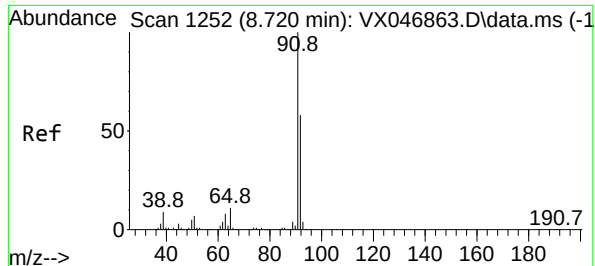
Tgt Ion: 98 Resp: 1067887

Ion Ratio Lower Upper

98 100

100 66.3 53.0 79.6





#52

Toluene

Concen: 0.480 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046886.D

Acq: 03 Jul 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

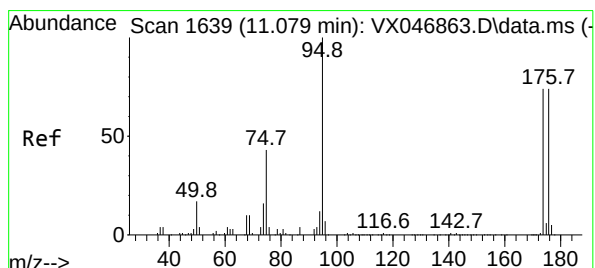
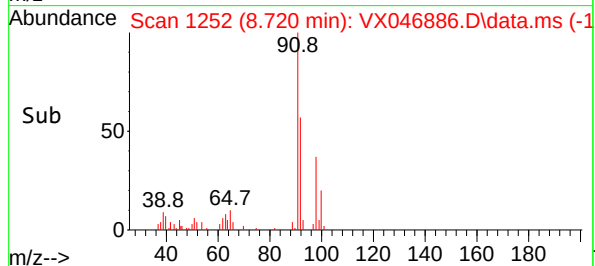
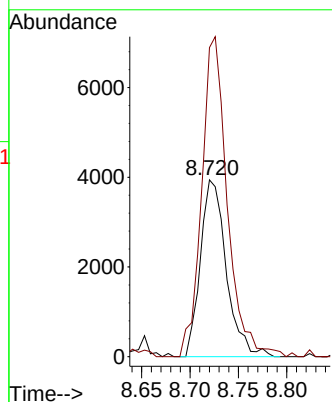
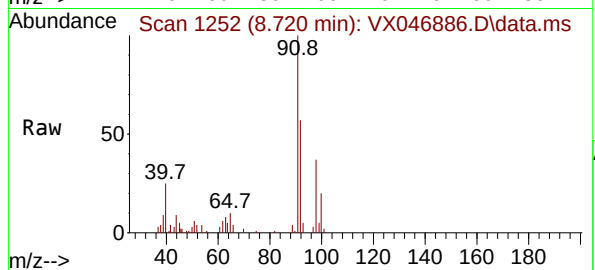
GCAP2W

Tgt Ion: 92 Resp: 7353

Ion Ratio Lower Upper

92 100

91 179.5 137.9 206.9



#62

4-Bromofluorobenzene

Concen: 50.065 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046886.D

Acq: 03 Jul 2025 14:37

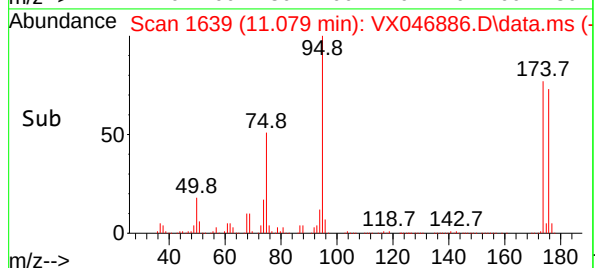
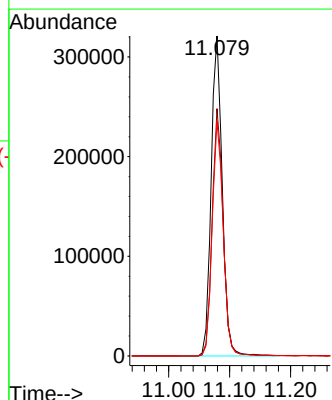
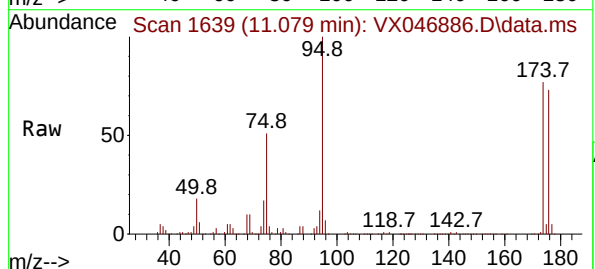
Tgt Ion: 95 Resp: 407032

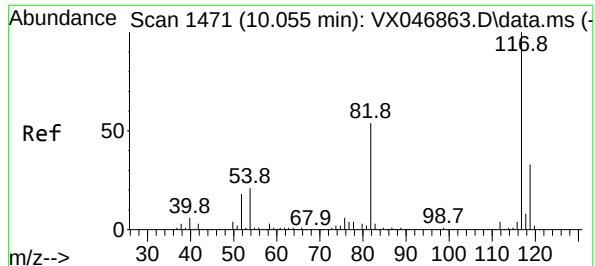
Ion Ratio Lower Upper

95 100

174 76.4 0.0 152.0

176 72.8 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX046886.D

Acq: 03 Jul 2025 14:37

Instrument :

MSVOA_X

ClientSampleId :

GCAP2W

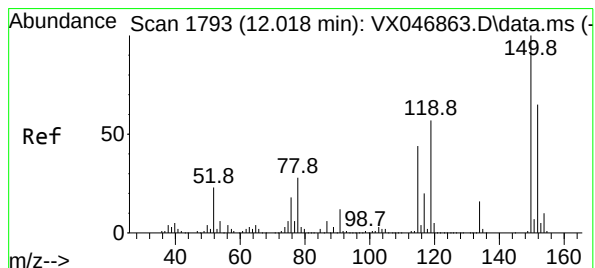
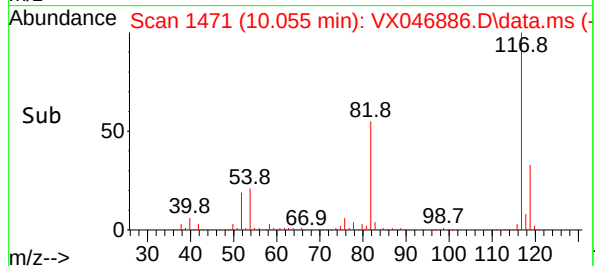
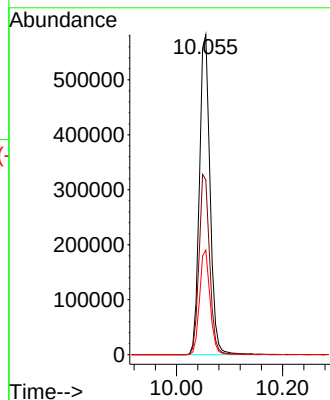
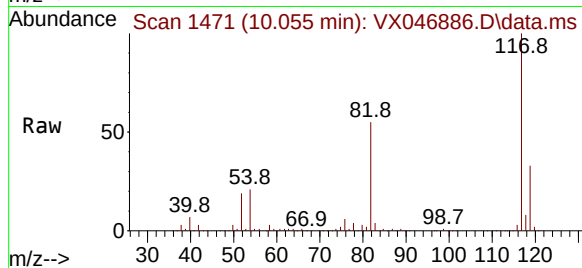
Tgt Ion:117 Resp: 813566

Ion Ratio Lower Upper

117 100

82 54.7 43.3 64.9

119 32.7 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046886.D

Acq: 03 Jul 2025 14:37

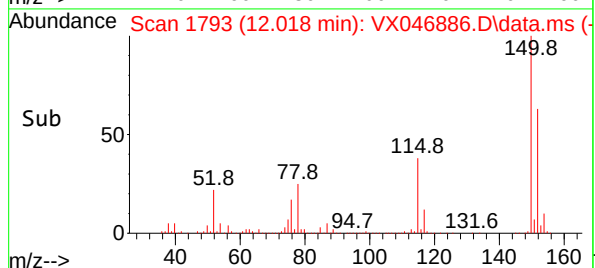
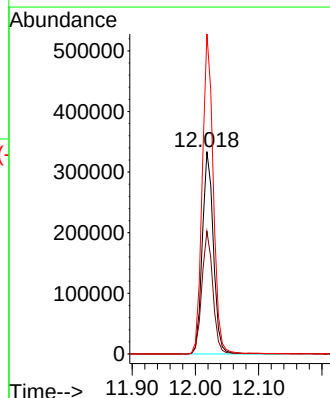
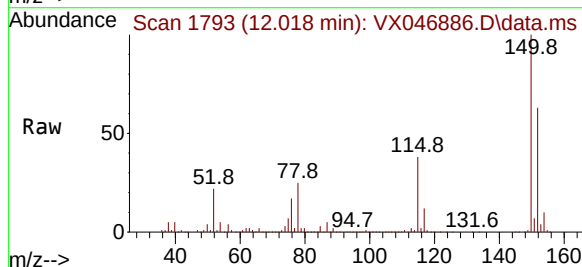
Tgt Ion:152 Resp: 408234

Ion Ratio Lower Upper

152 100

115 60.1 42.4 127.1

150 156.3 0.0 349.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046886.D
 Acq On : 03 Jul 2025 14:37
 Operator : JC/MD
 Sample : Q2503-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP2W

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_X\Method\82X070225W.M

Title : SW846 8260

Signal : TIC: VX046886.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.258	25	28	34	rBV	17094	28913	1.03%	0.183%
2	2.800	272	281	293	rBV2	13645	38344	1.37%	0.243%
3	3.117	324	333	344	rBV3	22014	55380	1.97%	0.351%
4	4.318	521	530	543	rVB5	27643	85945	3.06%	0.545%
5	5.397	696	707	717	rBV2	290178	915437	32.64%	5.807%
6	5.562	725	734	764	rVB	514507	1605732	57.25%	10.185%
7	5.964	790	800	825	rVV	320868	931324	33.21%	5.907%
8	6.166	825	833	842	rVV5	16108	52159	1.86%	0.331%
9	6.269	843	850	858	rVV4	15439	47746	1.70%	0.303%
10	6.361	858	865	880	rVB7	18772	59339	2.12%	0.376%
11	6.769	922	932	955	rBV	811997	2087158	74.42%	13.239%
12	7.385	1023	1033	1044	rBV4	46971	126487	4.51%	0.802%
13	8.647	1234	1240	1249	rBV	1715493	2804696	100.00%	17.790%
14	8.720	1249	1252	1258	rVB	17506	28552	1.02%	0.181%
15	10.055	1465	1471	1488	rBV	1740730	2487169	88.68%	15.776%
16	11.079	1634	1639	1655	rBV	1526833	1932563	68.90%	12.258%
17	12.018	1788	1793	1812	rBV	2019519	2478209	88.36%	15.720%

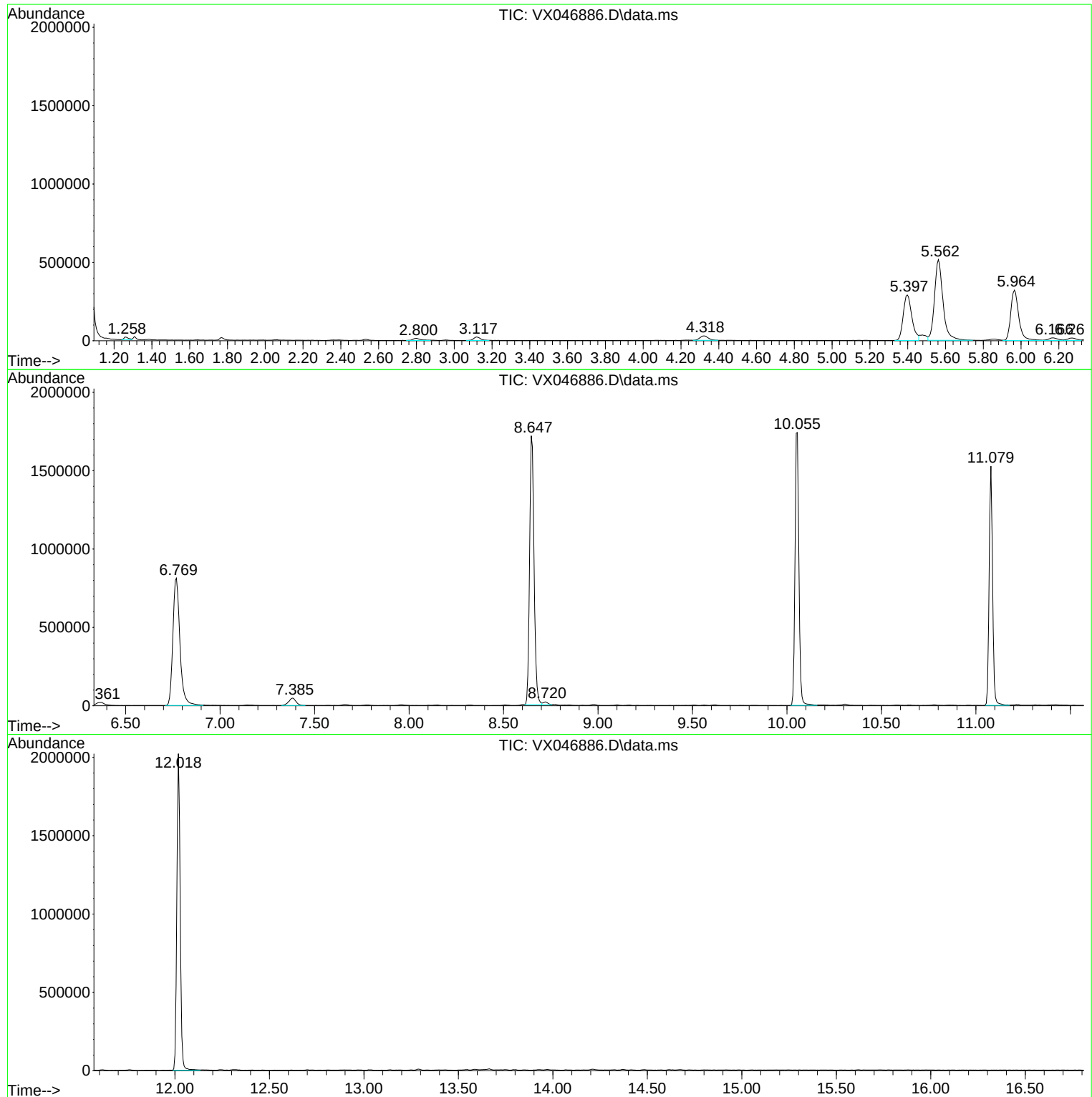
Sum of corrected areas: 15765153

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046886.D
Acq On : 03 Jul 2025 14:37
Operator : JC/MD
Sample : Q2503-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046886.D
Acq On : 03 Jul 2025 14:37
Operator : JC/MD
Sample : Q2503-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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_X\Data\VX070325\
Data File : VX046886.D
Acq On : 03 Jul 2025 14:37
Operator : JC/MD
Sample : Q2503-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP2W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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:	07/02/25	
Project:	Capra		Date Received:	07/03/25	
Client Sample ID:	GCAP3W		SDG No.:	Q2503	
Lab Sample ID:	Q2503-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046887.D	1	07/03/25 14:58	VX070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.50	J	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	14.1		1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	48.9		0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.38	J	0.14	5.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	07/02/25
Project:	Capra	Date Received:	07/03/25
Client Sample ID:	GCAP3W	SDG No.:	Q2503
Lab Sample ID:	Q2503-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046887.D	1	07/03/25 14:58	VX070325

[illegible]

Report of Analysis

Client:	G Environmental	Date Collected:	07/02/25
Project:	Capra	Date Received:	07/03/25
Client Sample ID:	GCAP3W	SDG No.:	Q2503
Lab Sample ID:	Q2503-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046887.D	1	07/03/25 14:58	VX070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000079-29-8	Butane, 2,3-dimethyl-	8.10	J		2.80	ug/L
000107-83-5	Pentane, 2-methyl-	29.4	J		2.84	ug/L
000096-14-0	Pentane, 3-methyl-	25.4	J		3.12	ug/L
000096-37-7	Cyclopentane, methyl-	45.1	J		4.32	ug/L
000589-34-4	Hexane, 3-methyl-	33.9	J		5.84	ug/L
001759-58-6	Cyclopentane, 1,3-dimethyl-, trans	40.0	J		6.17	ug/L
002453-00-1	Cyclopentane, 1,3-dimethyl-	20.7	J		6.27	ug/L
000872-56-0	Isopropylcyclobutane	26.0	J		6.37	ug/L
001640-89-7	Cyclopentane, ethyl-	9.00	J		7.66	ug/L
016883-48-0	Cyclopentane, 1,2,4-trimethyl-, (1	6.20	J		7.78	ug/L
015890-40-1	Cyclopentane, 1,2,3-trimethyl-, (1	10.6	J		7.96	ug/L
000583-57-3	Cyclohexane, 1,2-dimethyl- (cis/tr	9.00	J		8.98	ug/L
002207-03-6	Cyclohexane, 1,3-dimethyl-, trans-	6.20	J		9.10	ug/L
001678-91-7	Cyclohexane, ethyl-	6.50	J		9.56	ug/L
103-65-1	n-propylbenzene	2.00	J		11.3	ug/L
135-98-8	sec-Butylbenzene	0.61	J		11.9	ug/L
104-51-8	n-Butylbenzene	0.95	J		12.3	ug/L
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	6.40	J		12.6	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046887.D
 Acq On : 03 Jul 2025 14:58
 Operator : JC/MD
 Sample : Q2503-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP3W

Quant Time: Jul 04 01:33:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

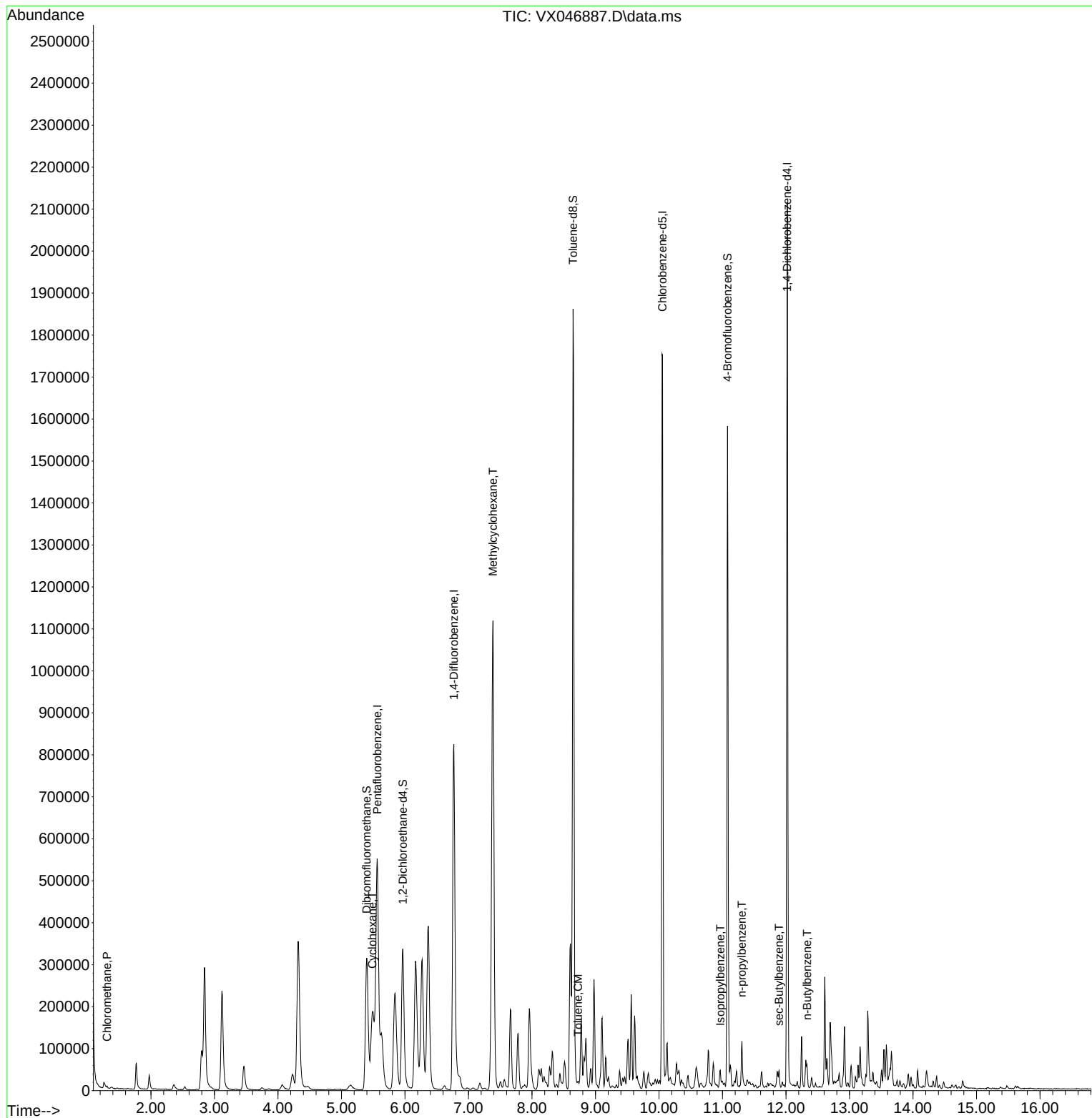
Internal Standards						
1) Pentafluorobenzene	5.562	168	551922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	910736	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	827841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	418170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	348246	47.761	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.520%		
35) Dibromofluoromethane	5.397	113	298561	48.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.580%		
50) Toluene-d8	8.647	98	1074386	49.257	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.520%		
62) 4-Bromofluorobenzene	11.079	95	424937	51.261	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.520%		
Target Compounds						Qvalue
3) Chloromethane	1.307	50	2895	0.502	ug/l	97
31) Cyclohexane	5.483	56	146832	14.088	ug/l	97
39) Methylcyclohexane	7.385	83	510352	48.913	ug/l	97
52) Toluene	8.726	92	5856	0.375	ug/l	95
73) Isopropylbenzene	10.964	105	21739	0.740	ug/l	100
78) n-propylbenzene	11.305	91	69597	1.963	ug/l	99
85) sec-Butylbenzene	11.890	105	18826	0.605	ug/l	95
89) n-Butylbenzene	12.329	91	23191	0.948	ug/l	93

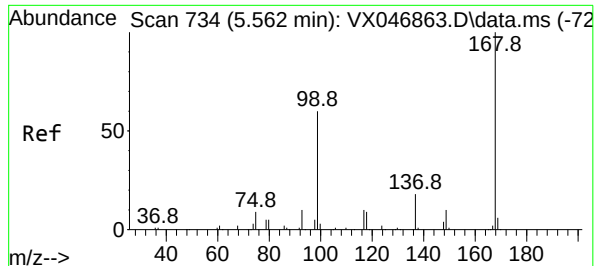
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

Quant Time: Jul 04 01:33:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

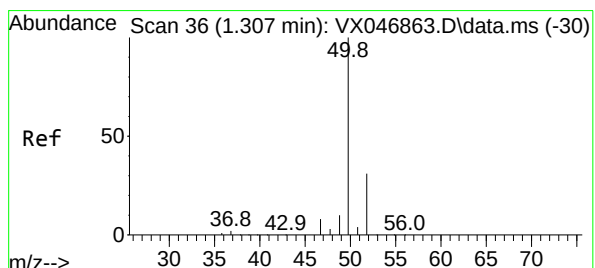
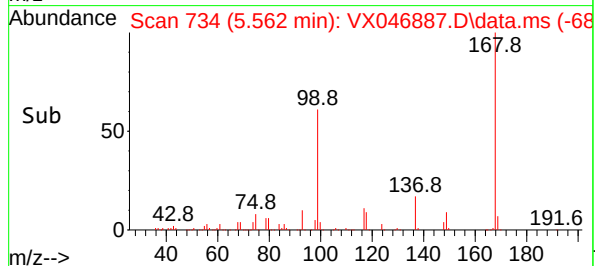
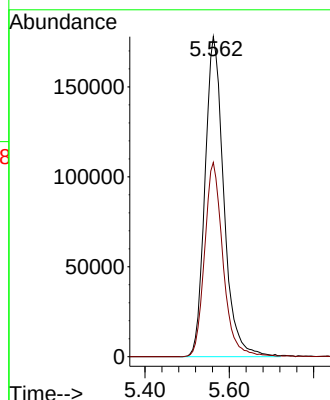
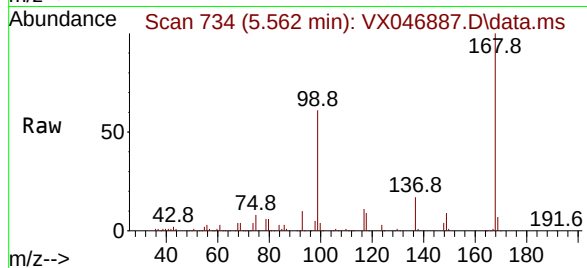




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

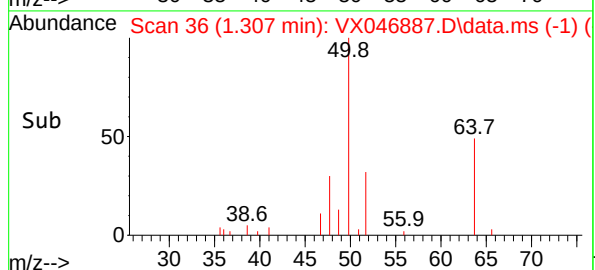
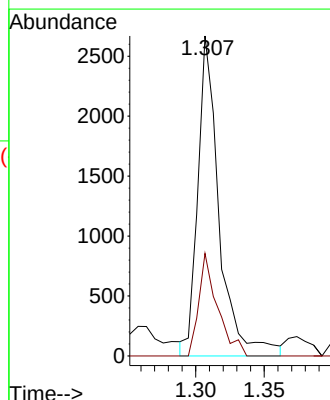
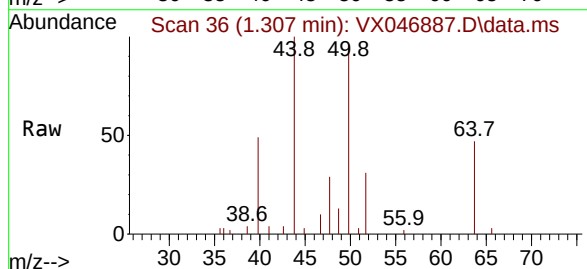
Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

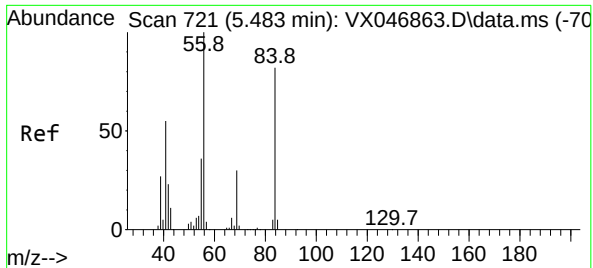
Tgt Ion:168 Resp: 551922
Ion Ratio Lower Upper
168 100
99 60.7 48.8 73.2



#3
Chloromethane
Concen: 0.502 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 50 Resp: 2895
Ion Ratio Lower Upper
50 100
52 33.1 25.0 37.4

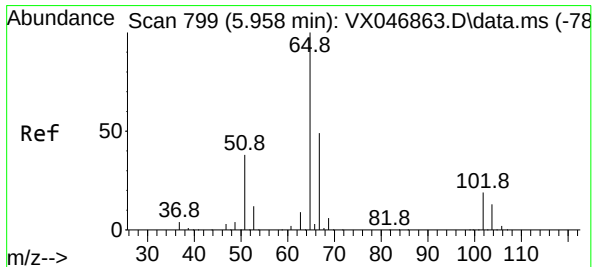
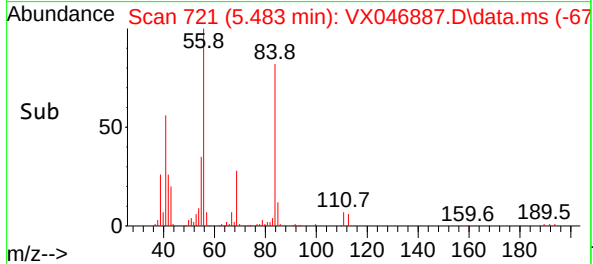
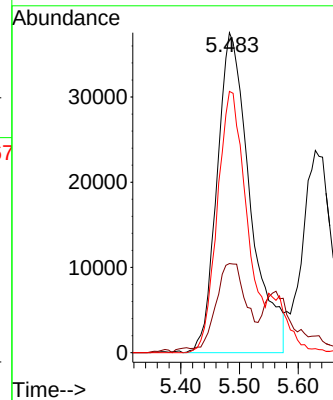
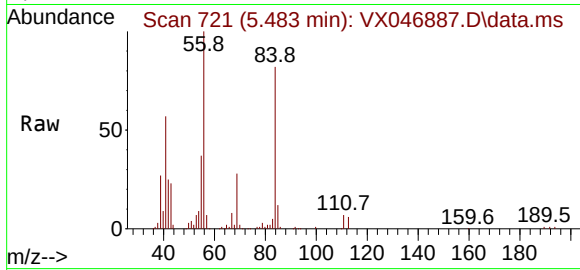




#31
Cyclohexane
Concen: 14.088 ug/l
RT: 5.483 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

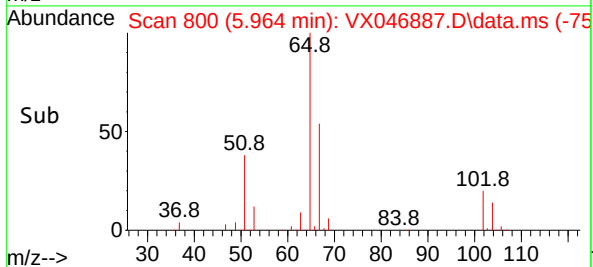
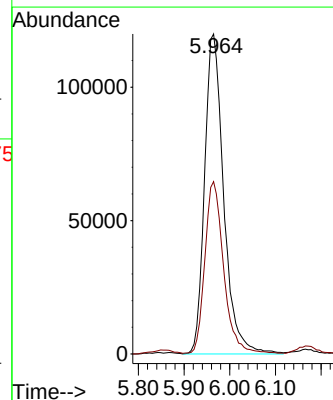
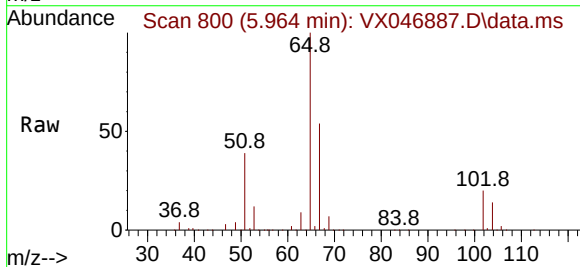
Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

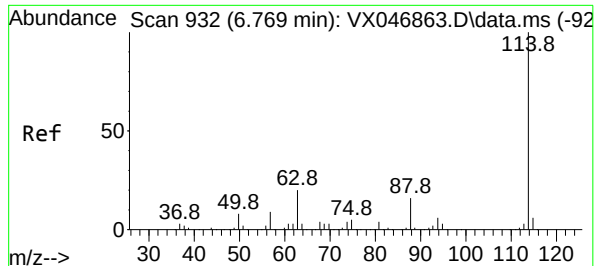
Tgt Ion: 56 Resp: 146832
Ion Ratio Lower Upper
56 100
69 26.4 24.0 36.0
84 81.6 66.5 99.7



#33
1,2-Dichloroethane-d4
Concen: 47.761 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 65 Resp: 348246
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046887.D

Acq: 03 Jul 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

GCAP3W

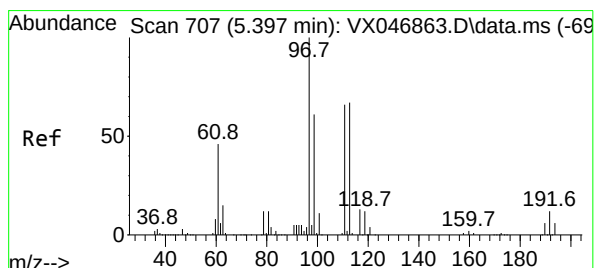
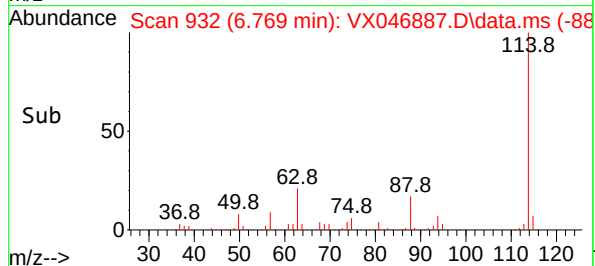
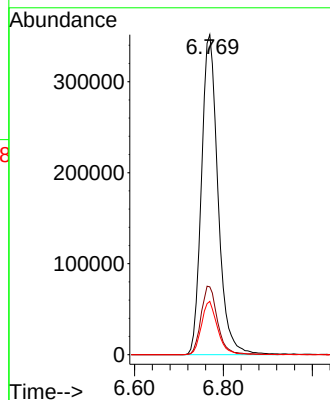
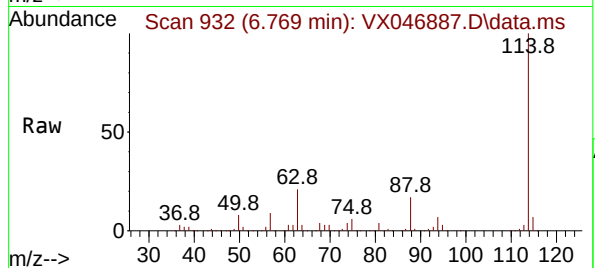
Tgt Ion:114 Resp: 910736

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.4

88 16.6 0.0 31.0



#35

Dibromofluoromethane

Concen: 48.294 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX046887.D

Acq: 03 Jul 2025 14:58

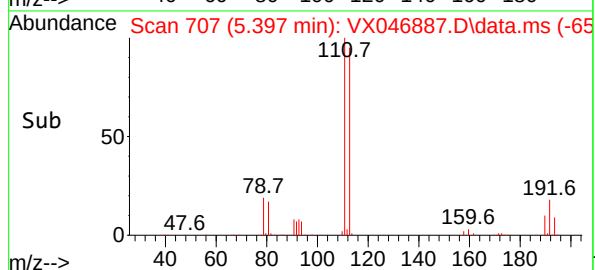
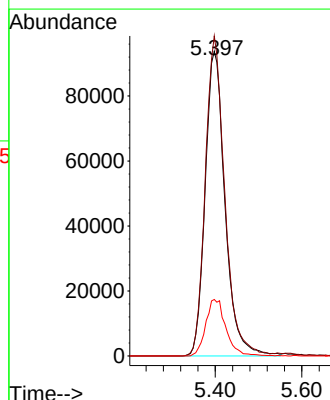
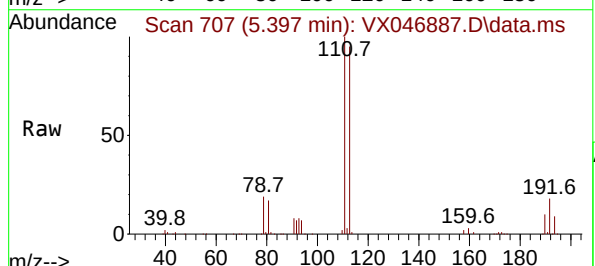
Tgt Ion:113 Resp: 298561

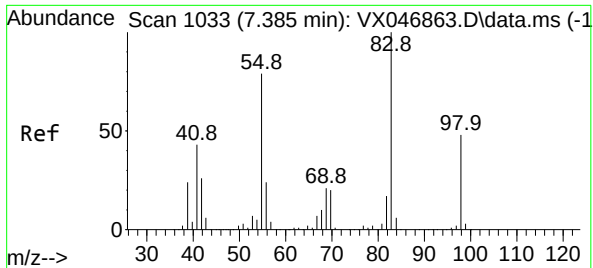
Ion Ratio Lower Upper

113 100

111 103.3 81.2 121.8

192 18.9 15.3 22.9





#39

Methylcyclohexane

Concen: 48.913 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX046887.D

Acq: 03 Jul 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

GCAP3W

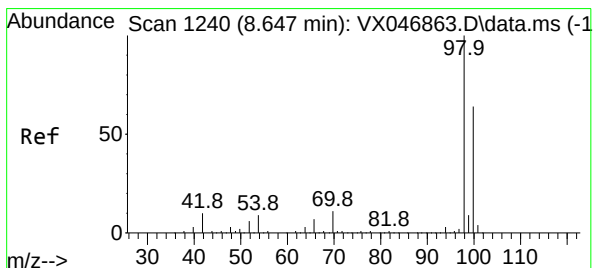
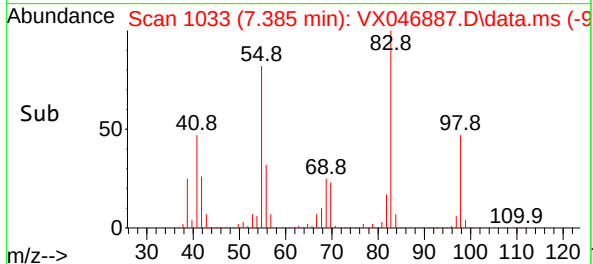
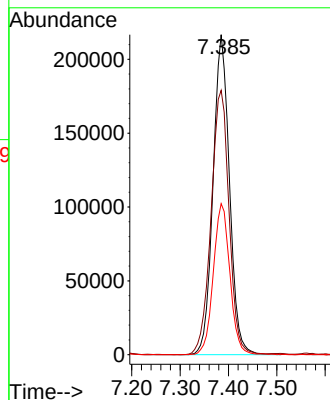
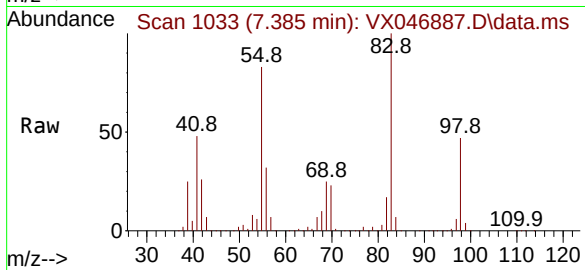
Tgt Ion: 83 Resp: 510352

Ion Ratio Lower Upper

83 100

55 82.6 63.0 94.4

98 47.2 38.5 57.7



#50

Toluene-d8

Concen: 49.257 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX046887.D

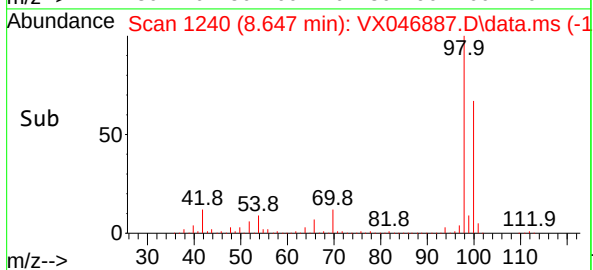
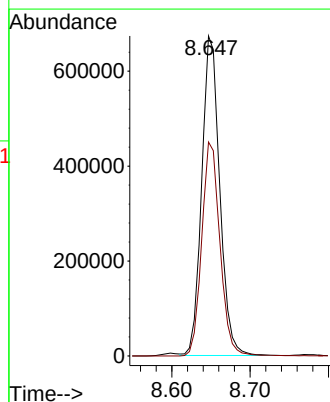
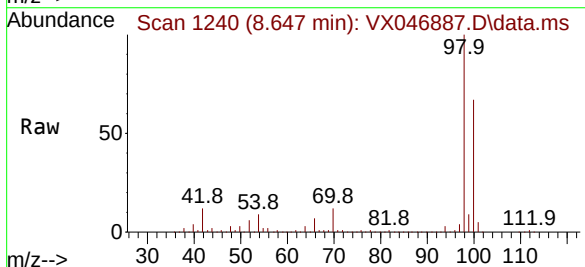
Acq: 03 Jul 2025 14:58

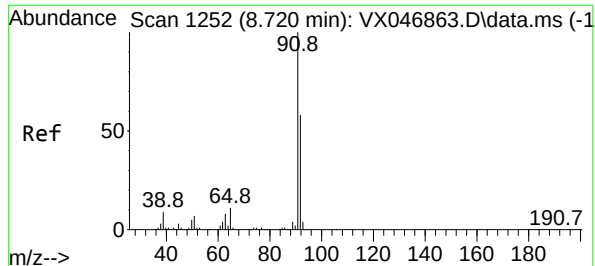
Tgt Ion: 98 Resp: 1074386

Ion Ratio Lower Upper

98 100

100 67.8 53.0 79.6





#52

Toluene

Concen: 0.375 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046887.D

Acq: 03 Jul 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

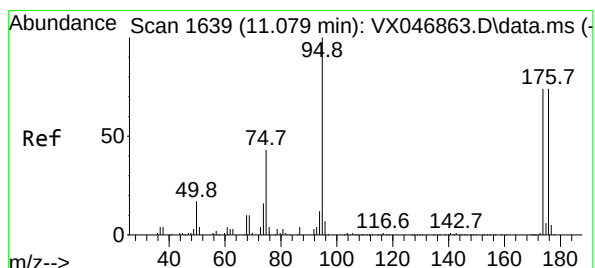
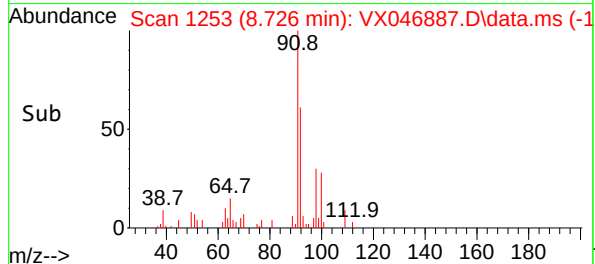
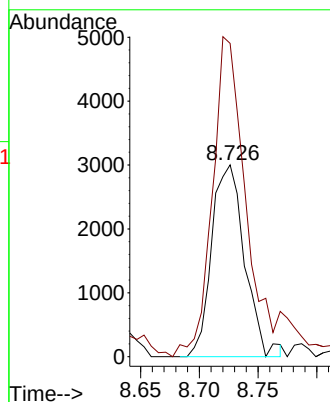
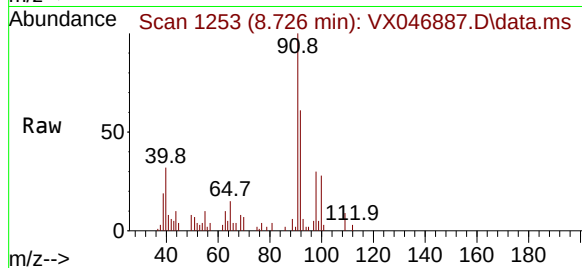
GCAP3W

Tgt Ion: 92 Resp: 5856

Ion Ratio Lower Upper

92 100

91 164.9 137.9 206.9



#62

4-Bromofluorobenzene

Concen: 51.261 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046887.D

Acq: 03 Jul 2025 14:58

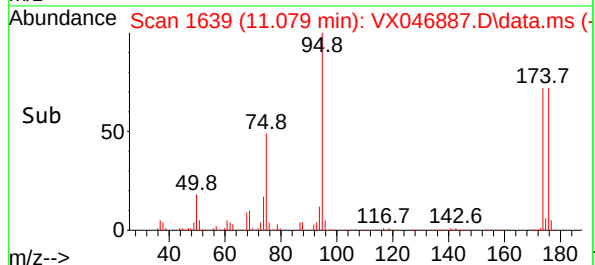
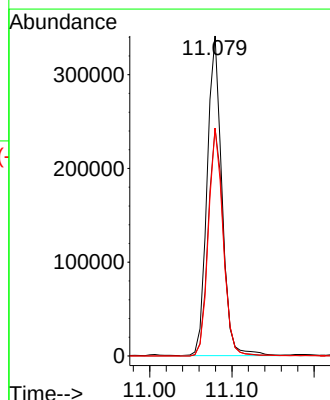
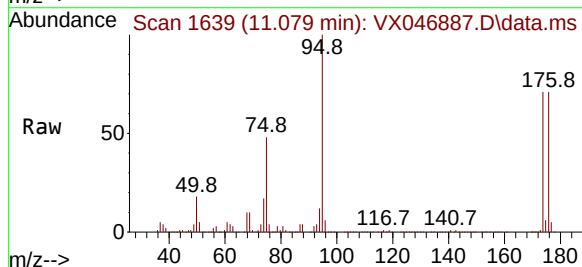
Tgt Ion: 95 Resp: 424937

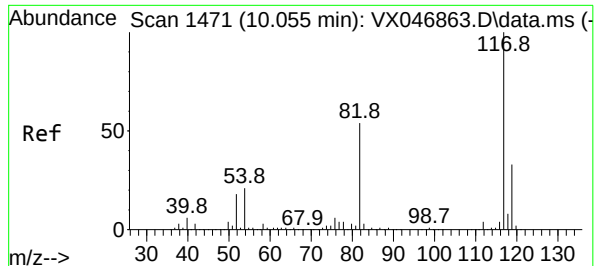
Ion Ratio Lower Upper

95 100

174 73.4 0.0 152.0

176 70.6 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX046887.D

Acq: 03 Jul 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

GCAP3W

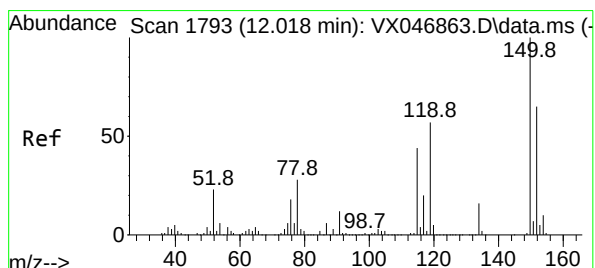
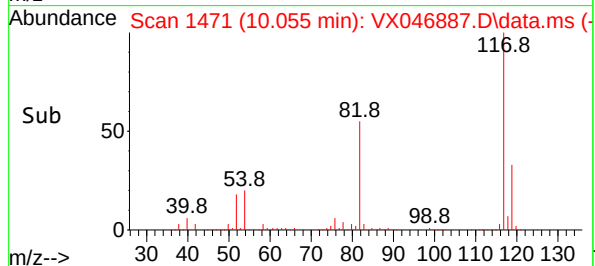
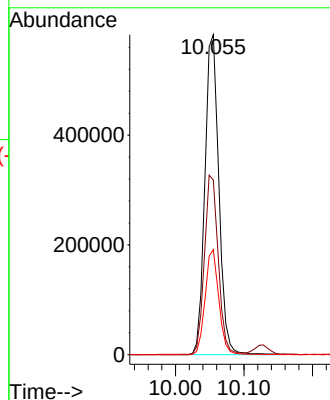
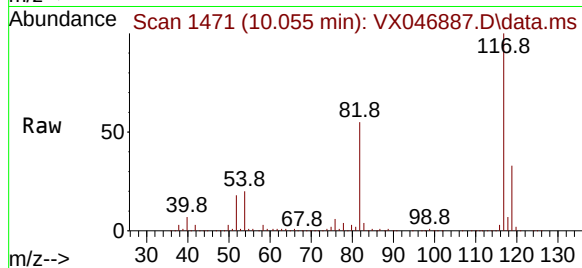
Tgt Ion:117 Resp: 827841

Ion Ratio Lower Upper

117 100

82 54.5 43.3 64.9

119 32.9 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046887.D

Acq: 03 Jul 2025 14:58

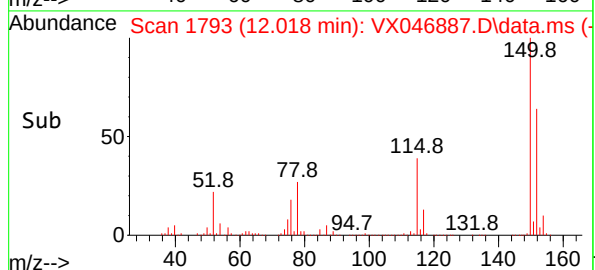
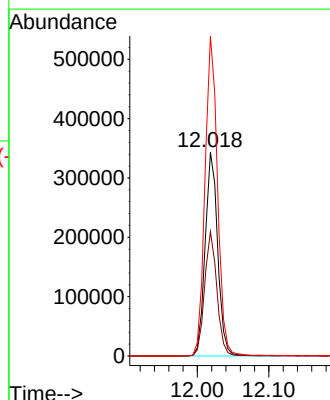
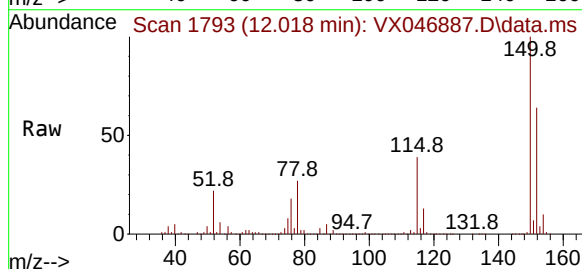
Tgt Ion:152 Resp: 418170

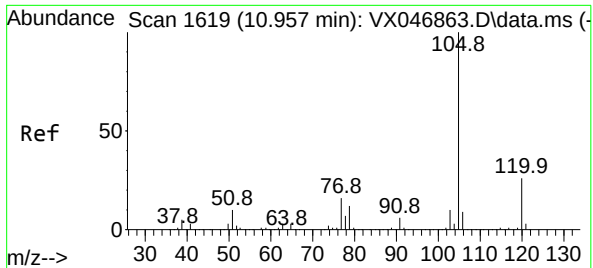
Ion Ratio Lower Upper

152 100

115 60.1 42.4 127.1

150 157.4 0.0 349.2

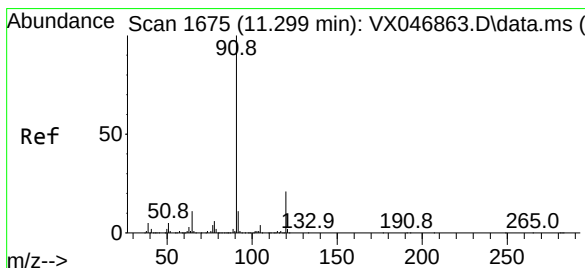
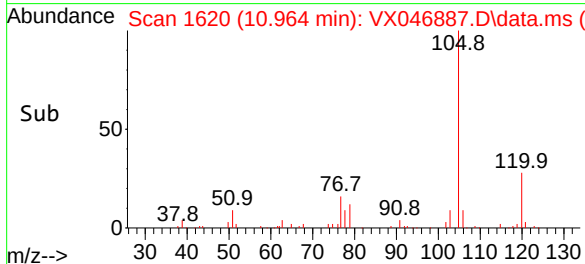
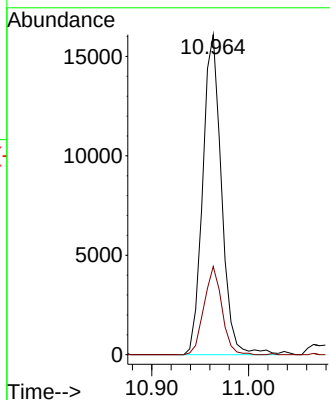
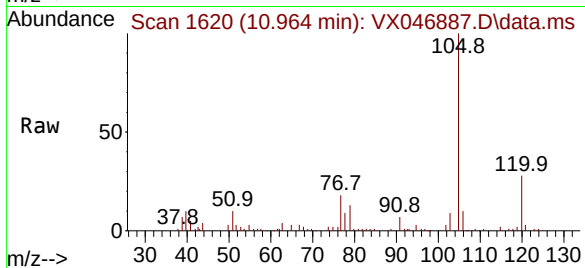




#73
Isopropylbenzene
Concen: 0.740 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

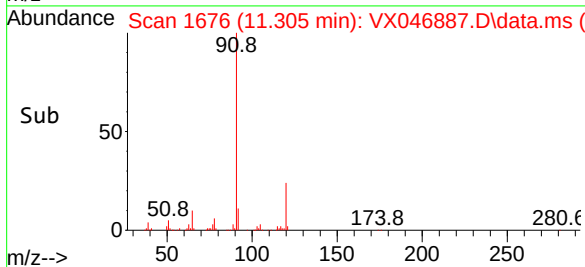
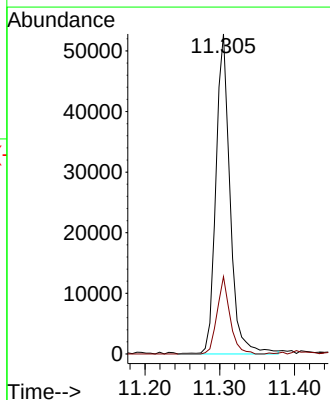
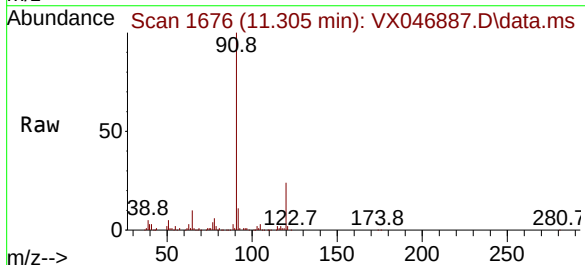
Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

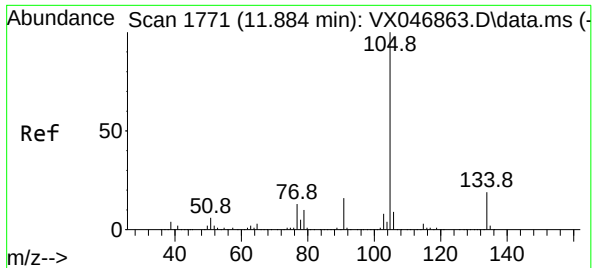
Tgt Ion:105 Resp: 21739
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.5



#78
n-propylbenzene
Concen: 1.963 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046887.D
Acq: 03 Jul 2025 14:58

Tgt Ion: 91 Resp: 69597
Ion Ratio Lower Upper
91 100
120 21.9 11.2 33.5





#85

sec-Butylbenzene

Concen: 0.605 ug/l

RT: 11.890 min Scan# 1771

Delta R.T. 0.006 min

Lab File: VX046887.D

Acq: 03 Jul 2025 14:58

Instrument :

MSVOA_X

ClientSampleId :

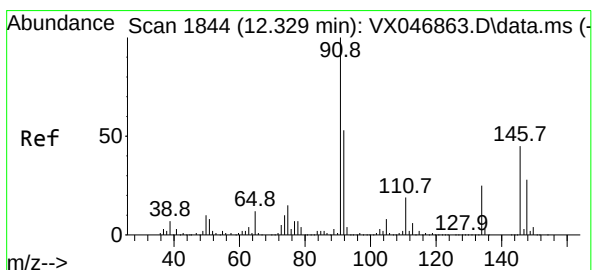
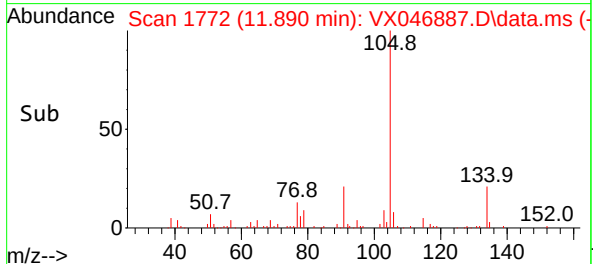
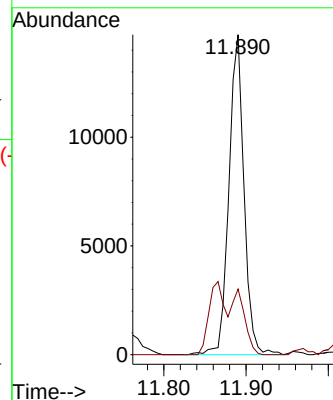
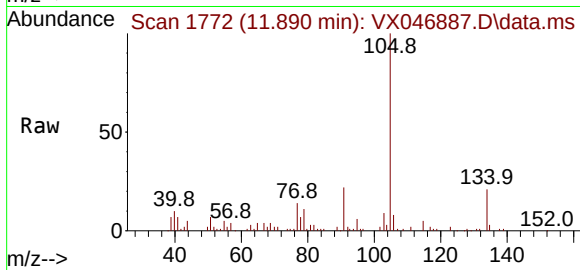
GCAP3W

Tgt Ion:105 Resp: 18826

Ion Ratio Lower Upper

105 100

134 17.4 9.9 29.7



#89

n-Butylbenzene

Concen: 0.948 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX046887.D

Acq: 03 Jul 2025 14:58

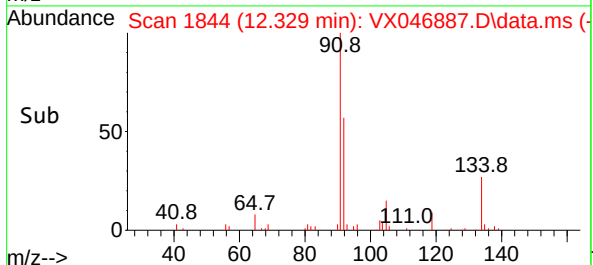
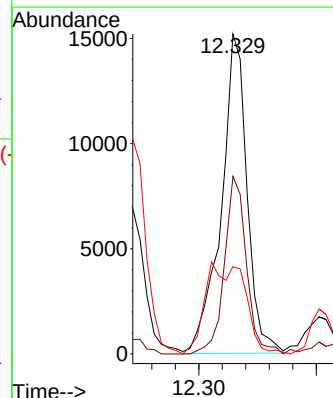
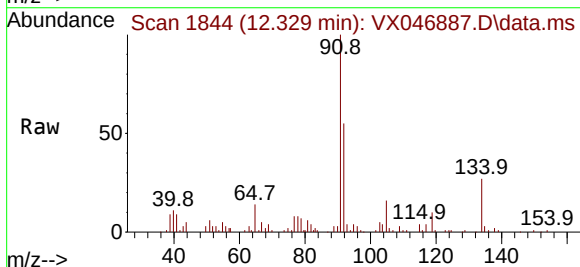
Tgt Ion: 91 Resp: 23191

Ion Ratio Lower Upper

91 100

92 47.3 27.0 81.0

134 24.2 12.8 38.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046887.D
 Acq On : 03 Jul 2025 14:58
 Operator : JC/MD
 Sample : Q2503-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP3W

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_X\Method\82X070225W.M
 Title : SW846 8260

Signal : TIC: VX046887.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.770	106	112	124	rBV	61111	103750	3.44%	0.300%
2	1.971	140	145	155	rBV2	32875	52918	1.76%	0.153%
3	2.361	202	209	221	rVB4	11666	31741	1.05%	0.092%
4	2.800	272	281	283	rBV2	92292	192344	6.38%	0.557%
5	2.843	283	288	311	rVB	290153	696670	23.11%	2.017%
6	3.117	323	333	352	rBV	234863	599952	19.90%	1.737%
7	3.465	382	390	405	rBV2	55560	140814	4.67%	0.408%
8	4.062	479	488	505	rBV3	12300	46891	1.56%	0.136%
9	4.227	505	515	521	rBV4	35932	108234	3.59%	0.313%
10	4.318	521	530	547	rVB	347552	1066290	35.36%	3.087%
11	5.148	652	666	681	rBV3	11158	50887	1.69%	0.147%
12	5.397	695	707	715	rBV2	313746	968423	32.12%	2.803%
13	5.495	715	723	726	rVV2	123519	363862	12.07%	1.053%
14	5.562	727	734	742	rVB	427473	1183253	39.24%	3.425%
15	5.843	767	780	792	rBV4	228108	801442	26.58%	2.320%
16	5.964	792	800	821	rVV	333418	957855	31.77%	2.773%
17	6.166	823	833	842	rVV2	304237	946190	31.38%	2.739%
18	6.269	842	850	858	rVV2	307495	924578	30.66%	2.676%
19	6.367	858	866	882	rVB2	387159	1160600	38.49%	3.360%
20	6.769	922	932	958	rBV	822905	2232973	74.06%	6.464%
21	7.178	991	999	1006	rBV4	15346	35647	1.18%	0.103%
22	7.385	1020	1033	1047	rBV	1116723	2906975	96.41%	8.415%
23	7.501	1047	1052	1057	rVV4	17681	38646	1.28%	0.112%
24	7.568	1057	1063	1071	rVV3	22369	56510	1.87%	0.164%
25	7.659	1071	1078	1090	rVB	188976	403305	13.38%	1.167%
26	7.781	1090	1098	1107	rBV	131439	275286	9.13%	0.797%
27	7.958	1120	1127	1144	rVB2	192294	473873	15.72%	1.372%
28	8.110	1144	1152	1155	rBV2	47532	105411	3.50%	0.305%
29	8.147	1155	1158	1162	rVB2	31322	46029	1.53%	0.133%
30	8.275	1175	1179	1182	rBV2	47443	78550	2.61%	0.227%
31	8.318	1182	1186	1193	rVB3	84396	165522	5.49%	0.479%
32	8.440	1201	1206	1212	rBV	33112	66599	2.21%	0.193%
33	8.513	1213	1218	1226	rVB4	65171	137039	4.54%	0.397%
34	8.604	1226	1233	1236	rBV2	345409	690201	22.89%	1.998%
35	8.647	1236	1240	1250	rVB	1843574	3015173	100.00%	8.728%
36	8.775	1255	1261	1265	rVV2	163807	290490	9.63%	0.841%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

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_X\Method\82X070225W.M
Title : SW846 8260

37	8.818	1265	1268	1270	rVV2	72069	110655	3.67%	0.320%
38	8.848	1270	1273	1280	rVV2	117712	187411	6.22%	0.542%
39	8.921	1280	1285	1289	rVV	45263	78514	2.60%	0.227%
40	8.976	1289	1294	1305	rVB2	257671	447767	14.85%	1.296%
41	9.104	1305	1315	1320	rBV	166440	308262	10.22%	0.892%
42	9.159	1320	1324	1329	rVV	71833	120608	4.00%	0.349%
43	9.202	1329	1331	1337	rVB3	25612	34948	1.16%	0.101%
44	9.378	1355	1360	1364	rBV3	40342	61313	2.03%	0.177%
45	9.513	1376	1382	1386	rVV3	114510	210166	6.97%	0.608%
46	9.561	1386	1390	1394	rVV	220099	319287	10.59%	0.924%
47	9.616	1394	1399	1404	rVV2	169054	282964	9.38%	0.819%
48	9.659	1404	1406	1416	rVB5	29305	52349	1.74%	0.152%
49	9.763	1416	1423	1429	rBV2	40083	69277	2.30%	0.201%
50	9.830	1429	1434	1442	rBV6	36086	82415	2.73%	0.239%
51	10.049	1465	1470	1477	rBV	1737215	2476291	82.13%	7.168%
52	10.128	1478	1483	1487	rVB	89811	133437	4.43%	0.386%
53	10.275	1502	1507	1510	rBV2	51360	85797	2.85%	0.248%
54	10.458	1532	1537	1546	rVB2	30928	55595	1.84%	0.161%
55	10.586	1548	1558	1566	rBV6	50104	131626	4.37%	0.381%
56	10.775	1578	1589	1594	rBV2	87377	157723	5.23%	0.457%
57	10.854	1598	1602	1610	rBV5	54410	87335	2.90%	0.253%
58	10.964	1615	1620	1623	rBV	40827	61428	2.04%	0.178%
59	11.079	1634	1639	1644	rBV	1572879	1961739	65.06%	5.679%
60	11.122	1644	1646	1651	rVB3	49692	65726	2.18%	0.190%
61	11.220	1659	1662	1667	rVB2	36199	47821	1.59%	0.138%
62	11.305	1670	1676	1685	rBV	108141	153756	5.10%	0.445%
63	11.616	1722	1727	1734	rVB3	36776	57765	1.92%	0.167%
64	11.860	1761	1767	1770	rBV2	37750	64052	2.12%	0.185%
65	11.890	1770	1772	1776	rVB	40317	42019	1.39%	0.122%
66	12.018	1788	1793	1807	rBV	2106571	2551455	84.62%	7.386%
67	12.244	1825	1830	1836	rBV	123335	156927	5.20%	0.454%
68	12.311	1836	1841	1843	rBV2	63448	87709	2.91%	0.254%
69	12.402	1851	1856	1863	rBV2	22816	34628	1.15%	0.100%
70	12.610	1882	1890	1893	rBV	262547	328364	10.89%	0.950%
71	12.640	1893	1895	1900	rVV2	64023	88848	2.95%	0.257%
72	12.695	1900	1904	1912	rVV3	147658	271483	9.00%	0.786%
73	12.835	1924	1927	1932	rVB2	32552	44074	1.46%	0.128%
74	12.921	1932	1941	1947	rBV	144418	210285	6.97%	0.609%
75	13.024	1953	1958	1965	rVB3	53277	84968	2.82%	0.246%
76	13.091	1965	1969	1972	rBV	27003	39590	1.31%	0.115%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046887.D
 Acq On : 03 Jul 2025 14:58
 Operator : JC/MD
 Sample : Q2503-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP3W

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_X\Method\82X070225W.M
 Title : SW846 8260

77	13.134	1972	1976	1978	rVV	47974	58656	1.95%	0.170%
78	13.164	1978	1981	1992	rVB2	94647	141090	4.68%	0.408%
79	13.286	1997	2001	2007	rVB2	166967	246858	8.19%	0.715%
80	13.366	2012	2014	2021	rVV	34897	56897	1.89%	0.165%
81	13.506	2032	2037	2039	rBV2	41713	58328	1.93%	0.169%
82	13.542	2039	2043	2046	rVV	87873	125324	4.16%	0.363%
83	13.579	2046	2049	2053	rVV3	98547	146442	4.86%	0.424%
84	13.640	2053	2059	2060	rVV3	42541	79292	2.63%	0.230%
85	13.658	2060	2062	2072	rVB2	82445	121383	4.03%	0.351%
86	13.926	2098	2106	2110	rBV4	33114	58170	1.93%	0.168%
87	14.073	2125	2130	2137	rBV	41493	57430	1.90%	0.166%
88	14.213	2148	2153	2163	rBV3	38078	70279	2.33%	0.203%
89	14.371	2175	2179	2183	rVB3	26912	33650	1.12%	0.097%
90	14.780	2240	2246	2251	rBV2	18180	31419	1.04%	0.091%

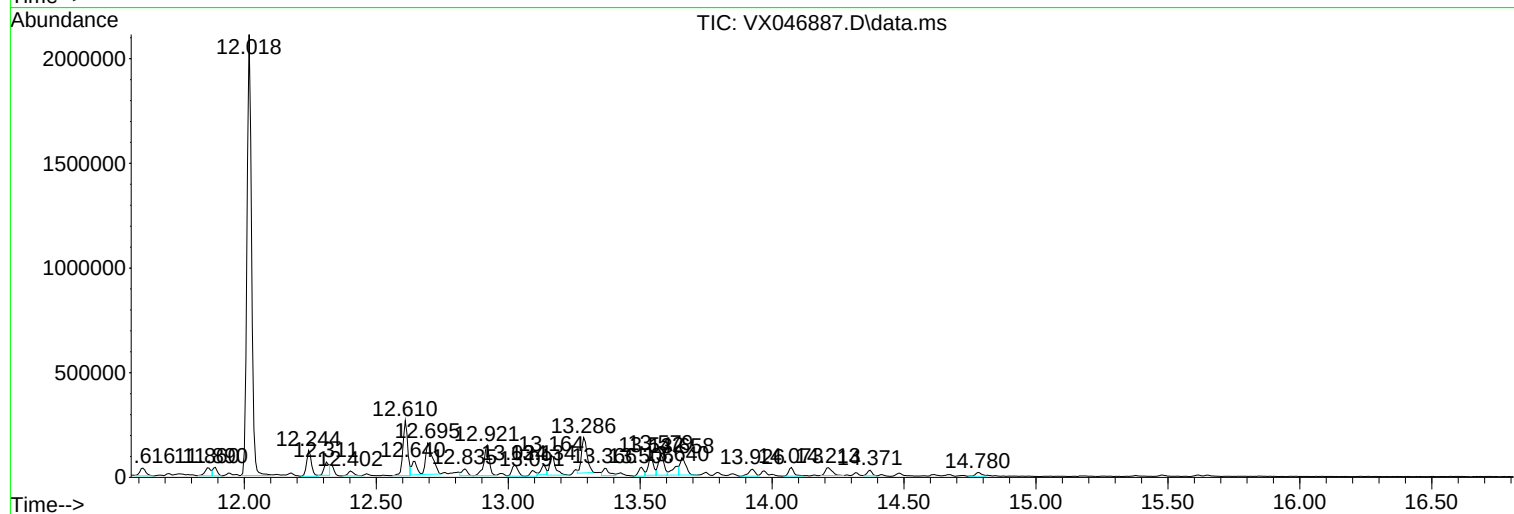
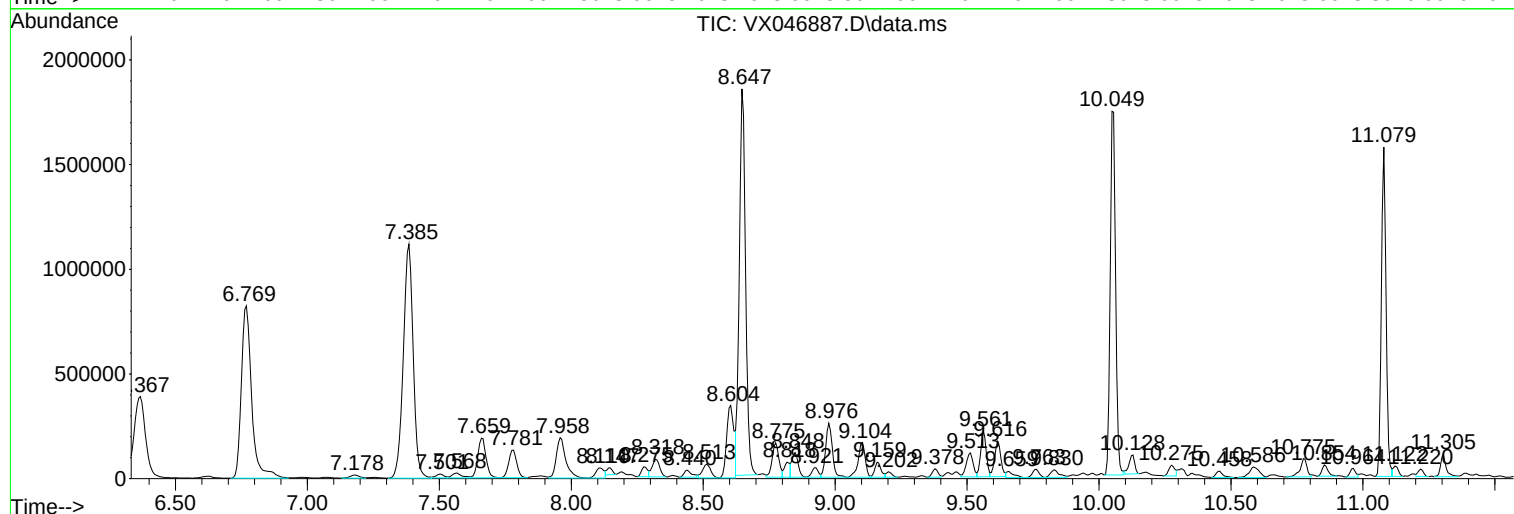
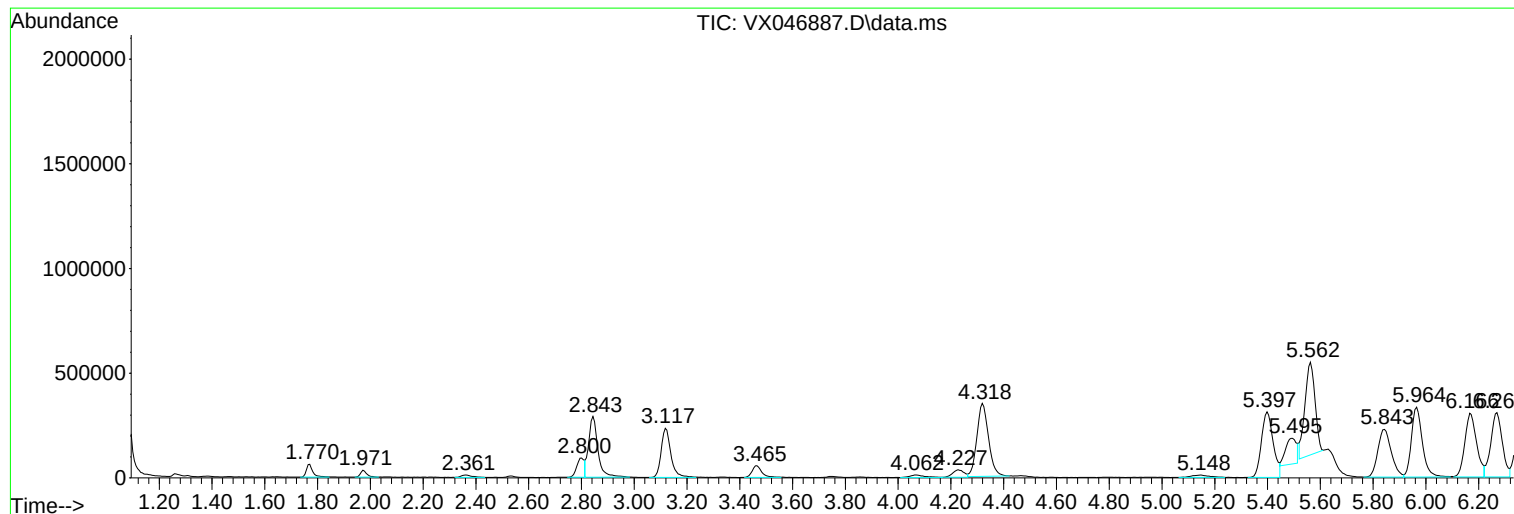
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Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
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Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

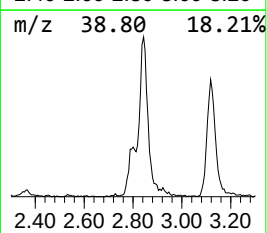
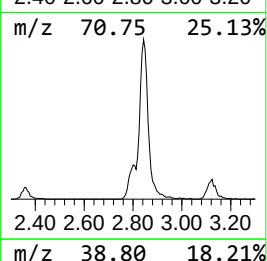
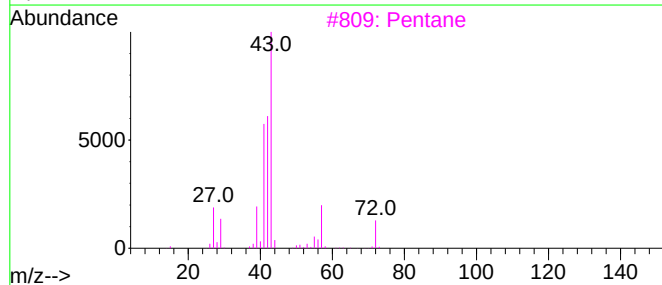
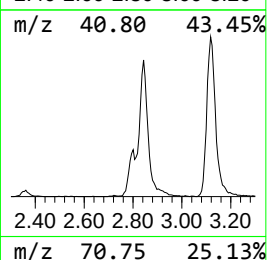
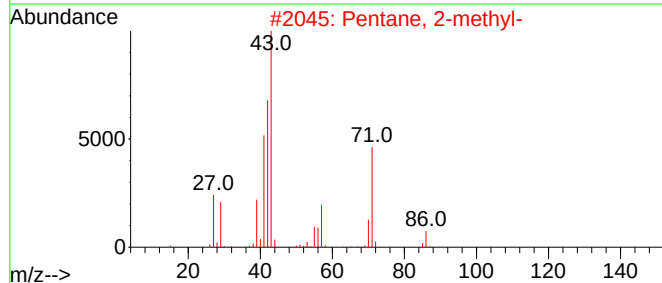
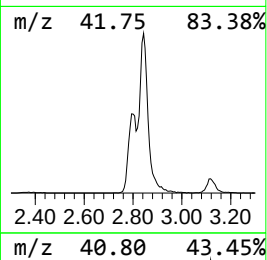
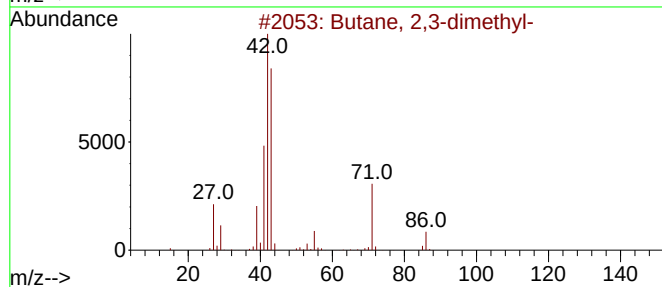
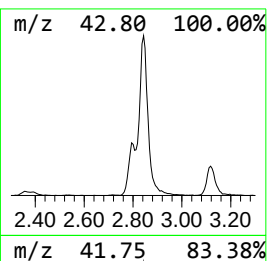
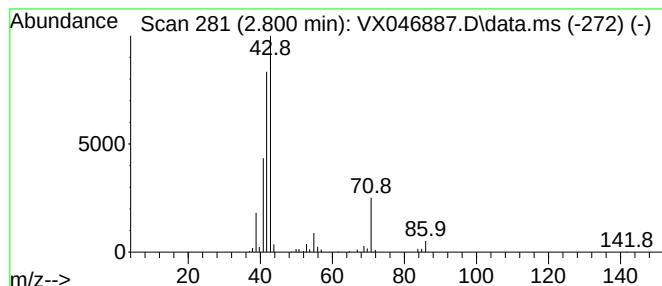
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Quant Title : SW846 8260

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

Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.800	8.13 ug/l	192344	Pentafluorobenzene	5.562

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2		Pentane, 2-methyl-	86	C6H14	000107-83-5	78
3		Pentane	72	C5H12	000109-66-0	38
4		1-Pentene	70	C5H10	000109-67-1	38
5		Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	12



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

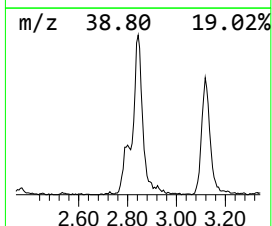
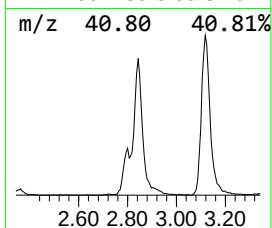
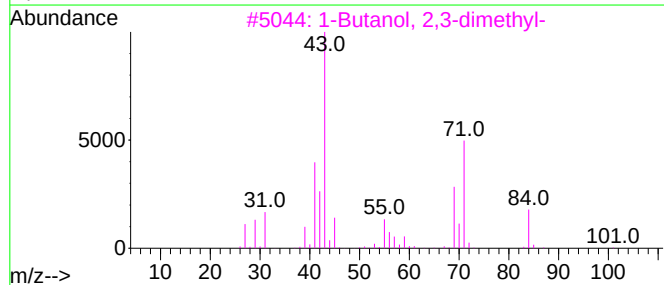
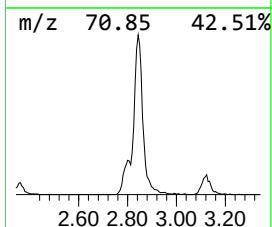
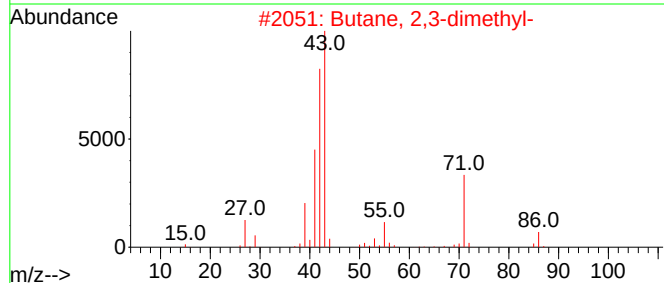
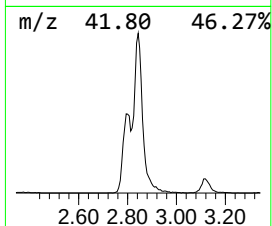
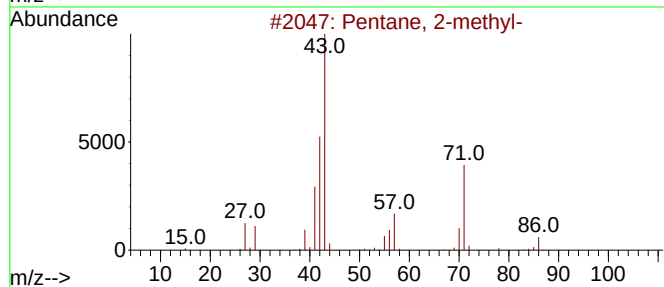
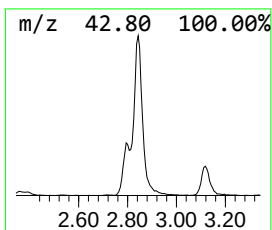
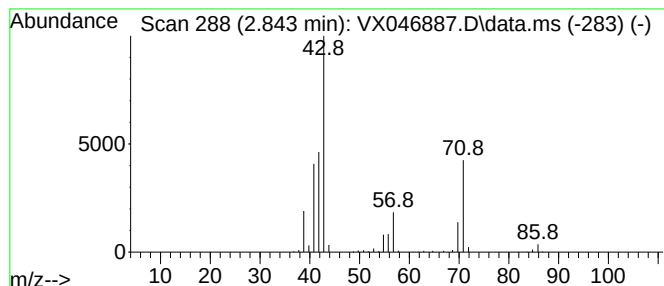
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.843	29.44 ug/l	696670	Pentafluorobenzene	5.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2			Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
3			1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
4			Pentane	72	C5H12	000109-66-0	38
5			Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

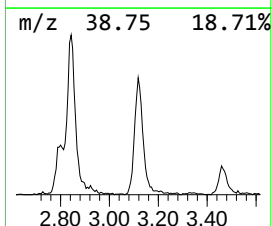
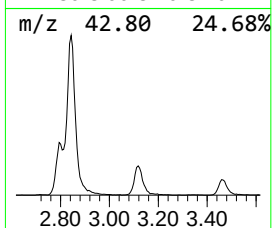
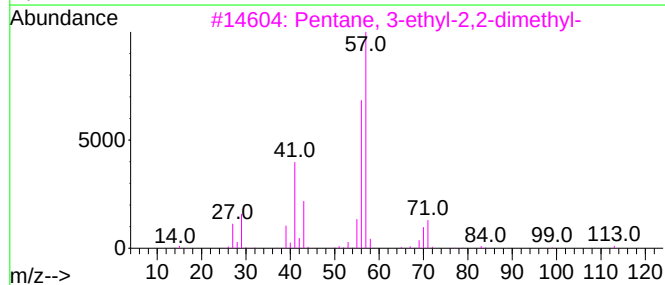
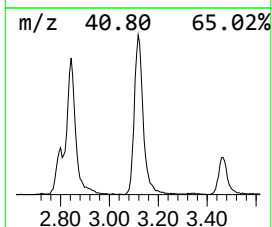
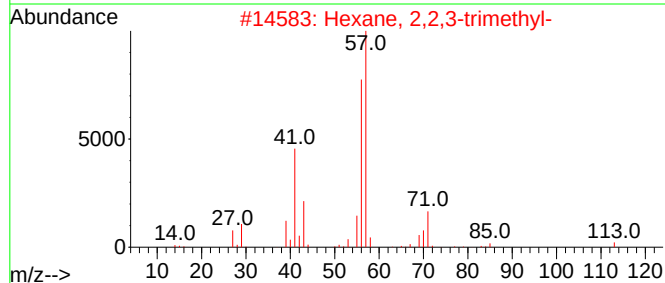
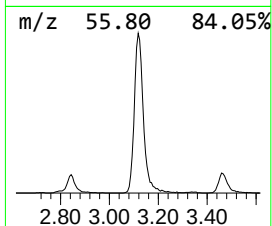
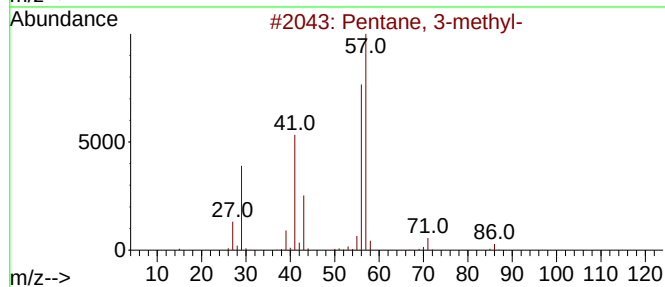
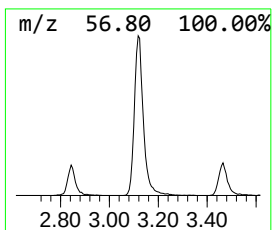
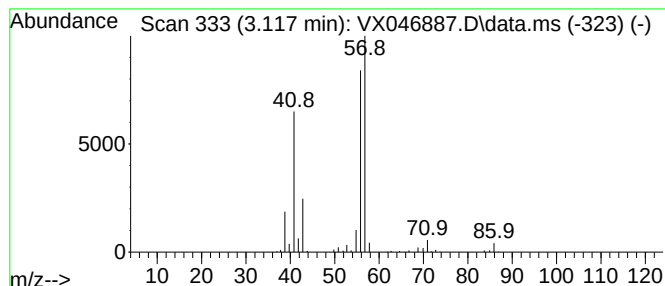
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Quant Title : SW846 8260

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

Peak Number 3 Pentane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.117	25.35 ug/l	599952	Pentafluorobenzene	5.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
4			Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45
5			Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

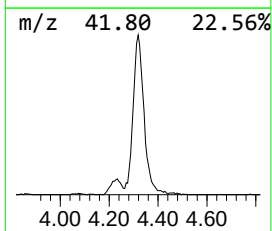
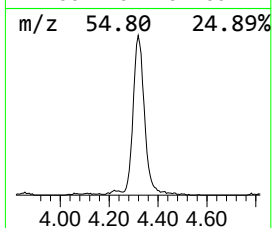
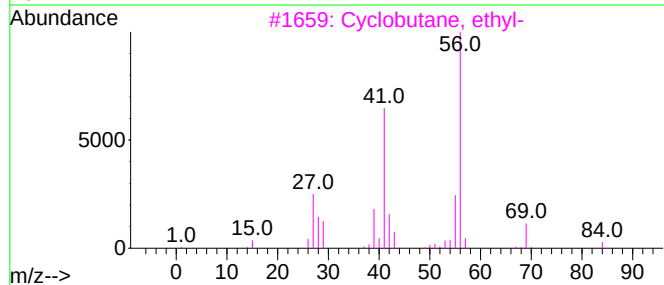
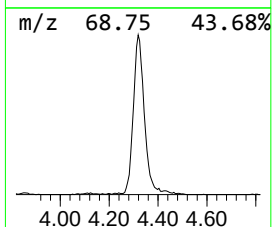
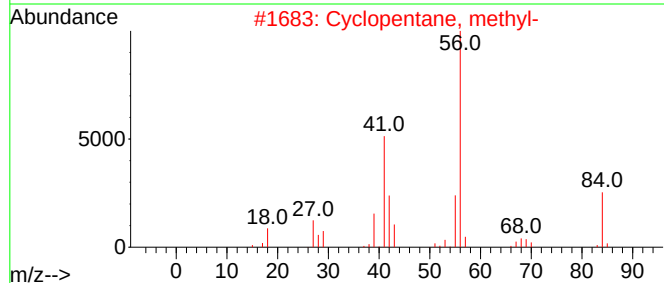
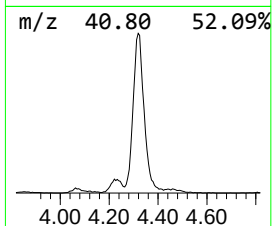
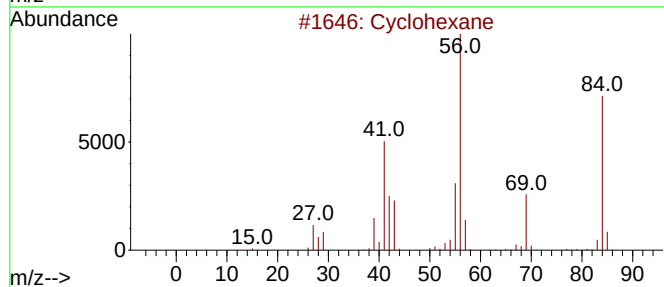
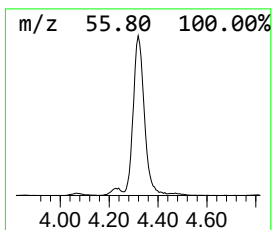
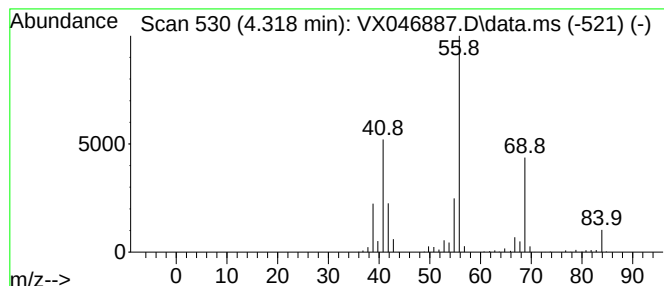
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Quant Title : SW846 8260

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

Peak Number 4 Cyclopentane, methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.318	45.06 ug/l	1066290	Pentafluorobenzene	5.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane	84	C6H12	000110-82-7	83
2			Cyclopentane, methyl-	84	C6H12	000096-37-7	78
3			Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4			1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	50
5			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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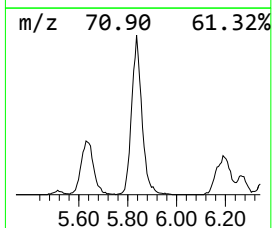
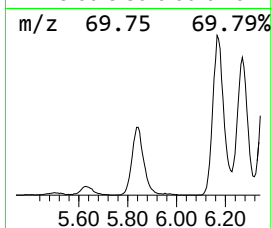
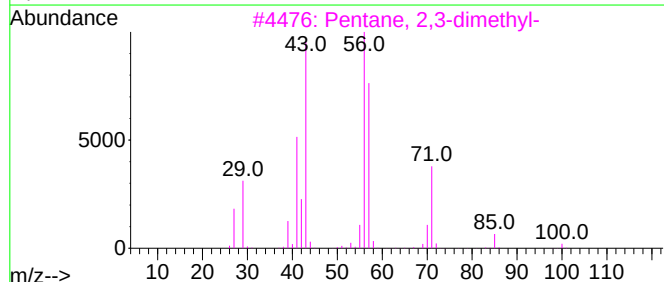
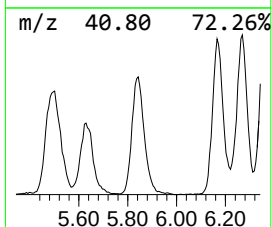
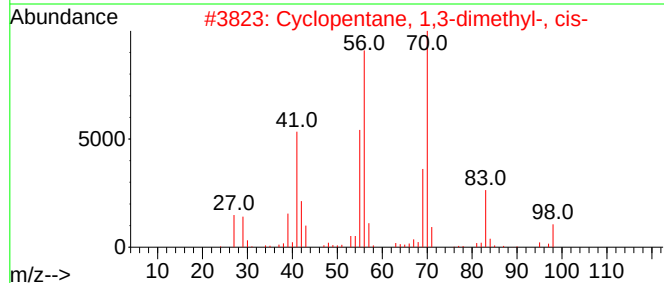
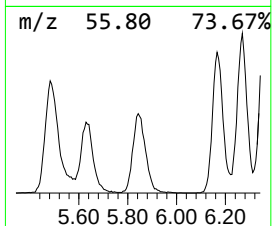
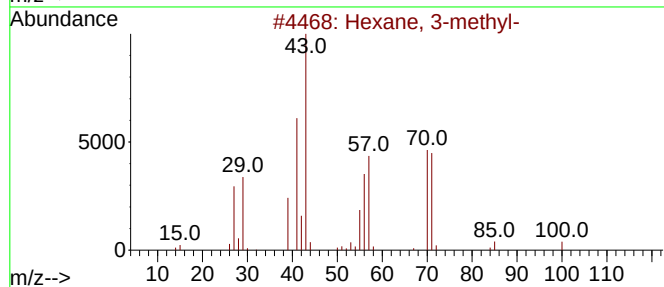
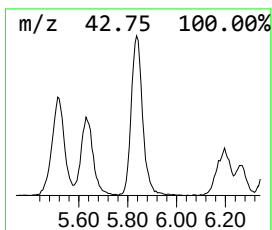
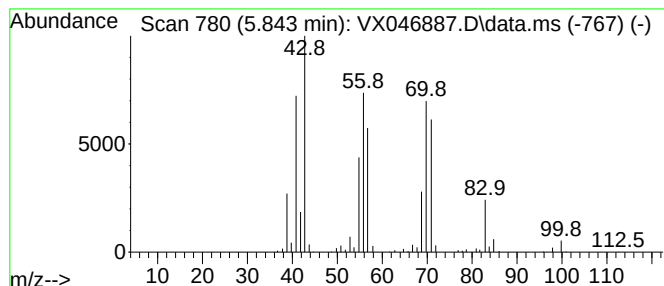
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Quant Title : SW846 8260

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

Peak Number 5 Hexane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.843	33.87 ug/l	801442	Pentafluorobenzene	5.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexane, 3-methyl-	100	C7H16	000589-34-4	60
2			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	52
3			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	50
4			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	50
5			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

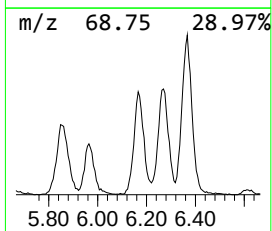
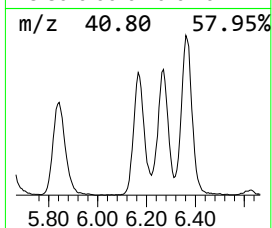
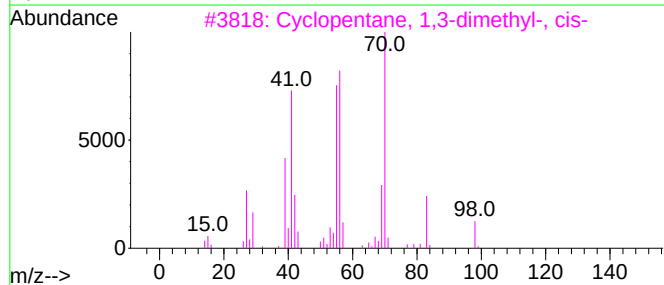
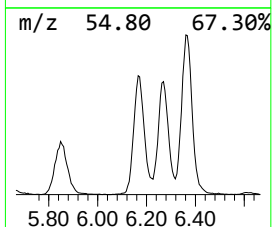
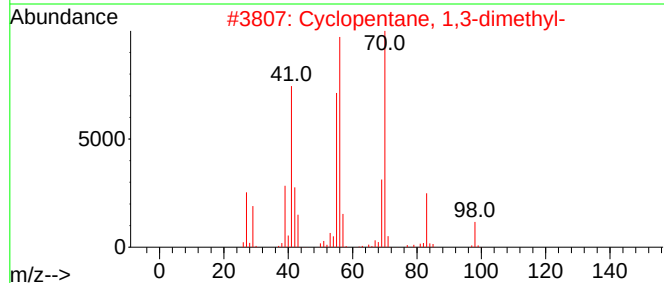
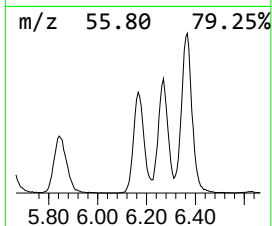
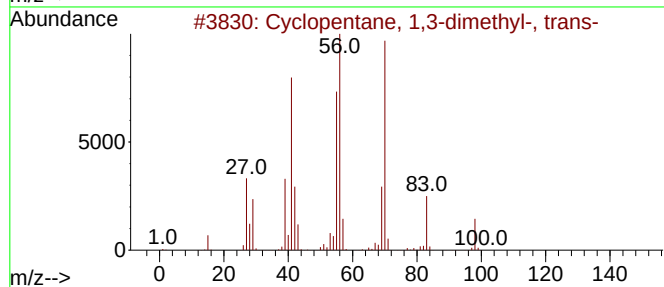
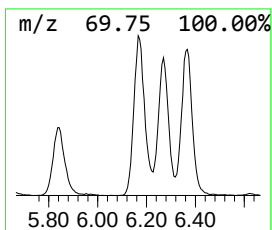
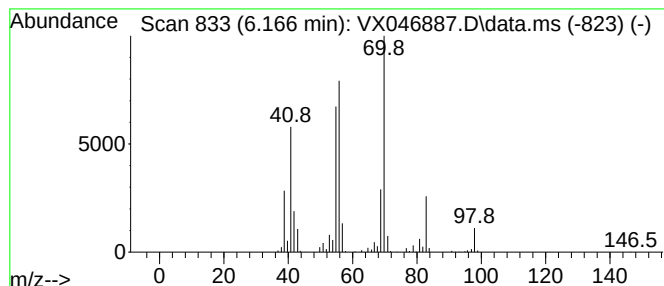
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Quant Title : SW846 8260

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

Peak Number 6 Cyclopentane, 1,3-dimethyl-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.166	39.98 ug/l	946190	Pentafluorobenzene	5.562

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	95
2			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
3			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	93
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	70
5			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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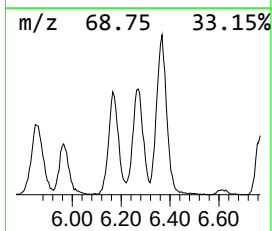
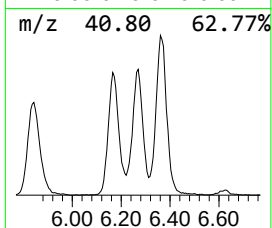
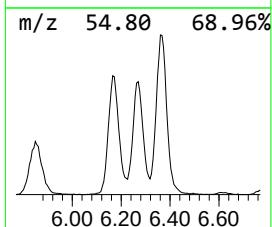
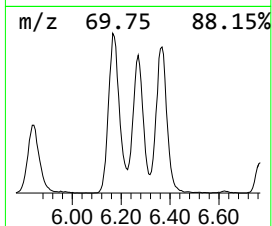
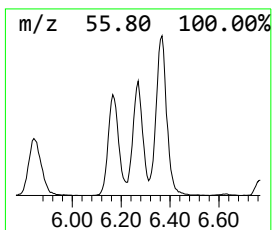
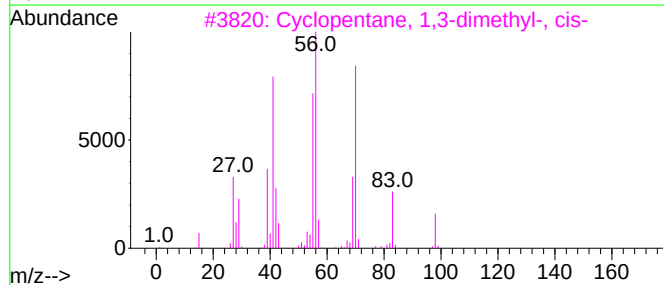
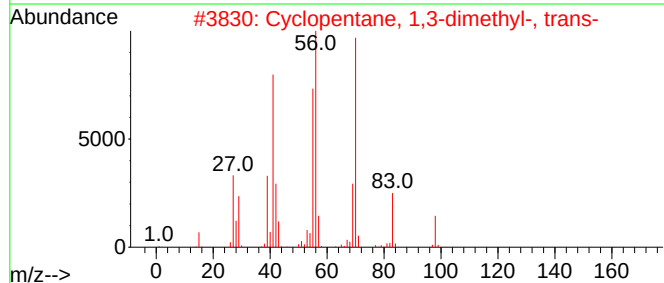
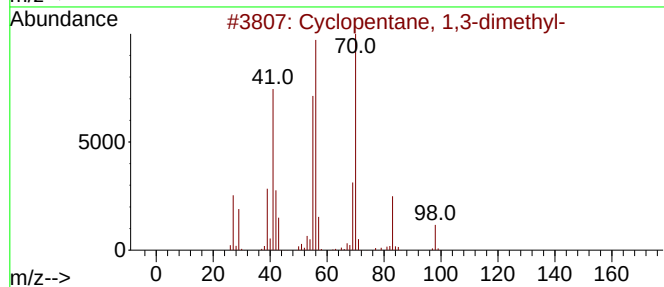
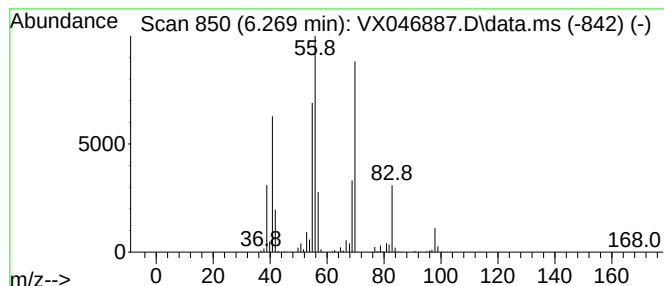
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.269	20.70 ug/l	924578	1,4-Difluorobenzene	6.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
2			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
3			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
5			Cyclobutanone, 3-ethyl-	98	C6H10O	056335-73-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

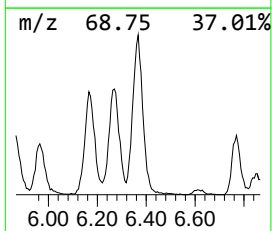
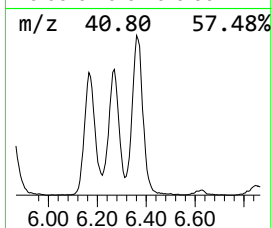
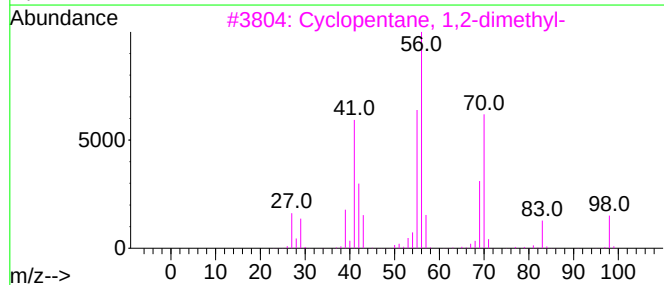
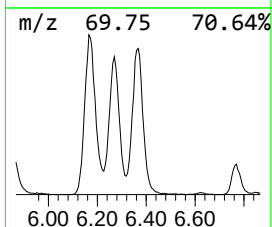
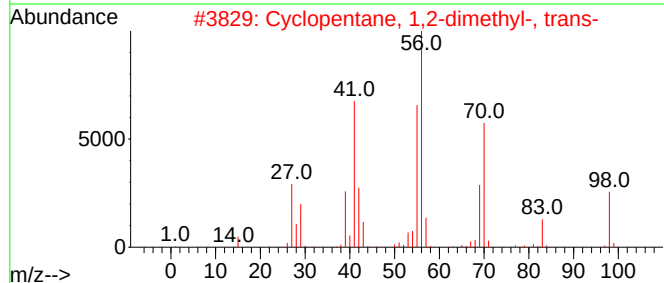
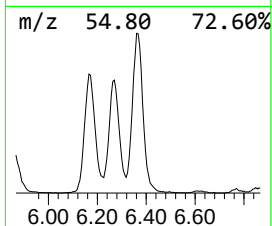
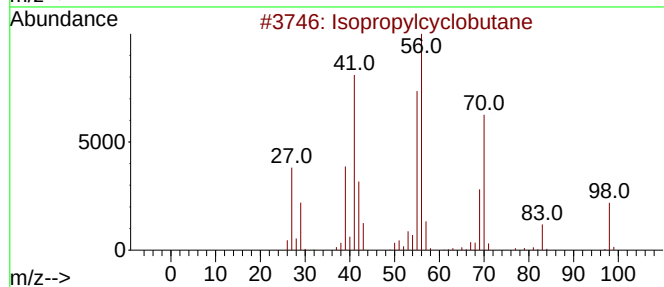
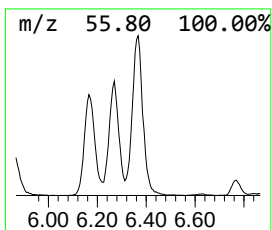
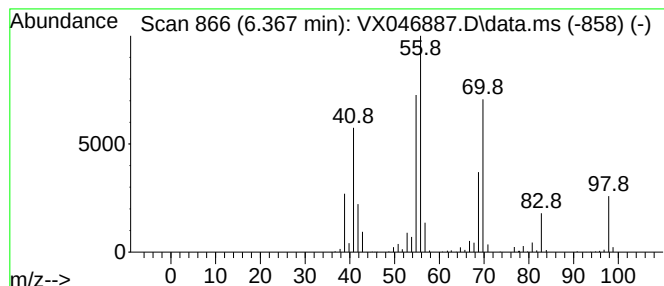
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Quant Title : SW846 8260

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

Peak Number 8 Isopropylcyclobutane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.367	25.99 ug/l	1160600	1,4-Difluorobenzene	6.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Isopropylcyclobutane	98	C7H14	000872-56-0	94
2			Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
4			3-Heptene	98	C7H14	000592-78-9	64
5			1-Heptene	98	C7H14	000592-76-7	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

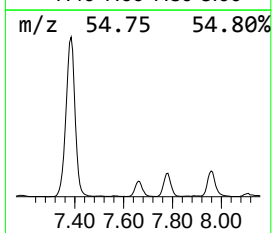
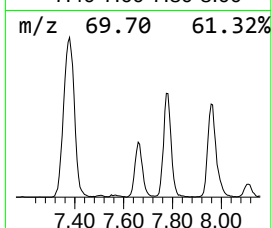
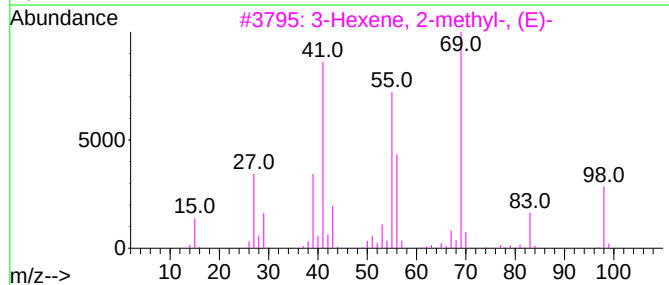
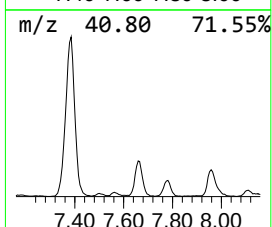
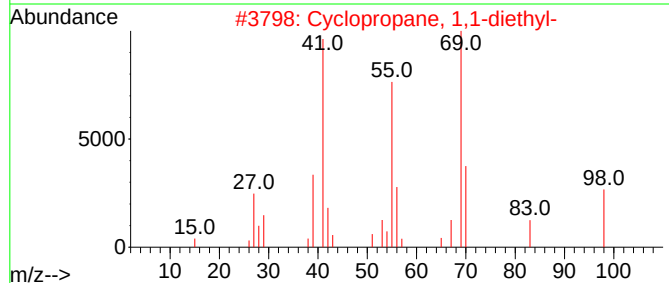
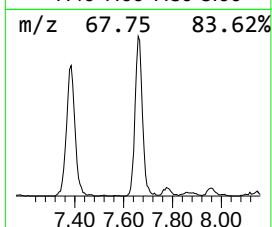
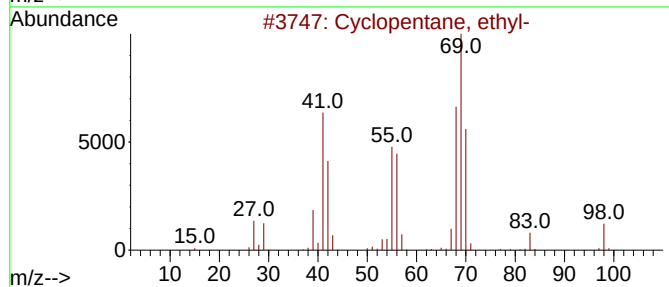
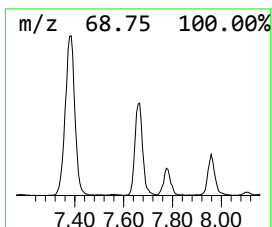
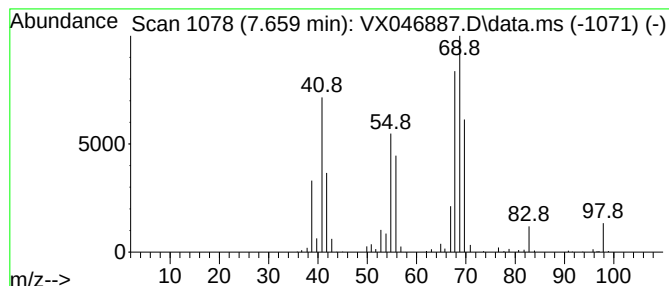
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Quant Title : SW846 8260

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

Peak Number 9 Cyclopentane, ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.659	9.03 ug/l	403305	1,4-Difluorobenzene	6.769

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, ethyl-	98	C7H14	001640-89-7	93
2		Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43
3		3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	43
4		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	38
5		1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

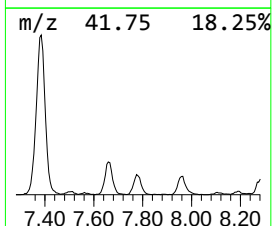
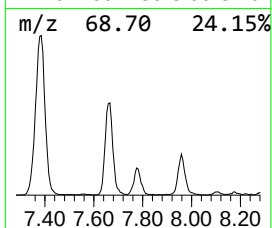
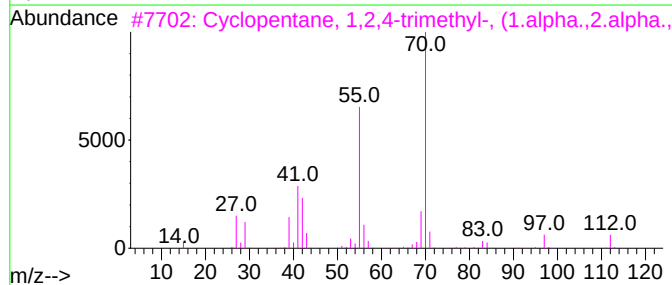
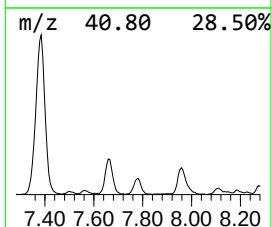
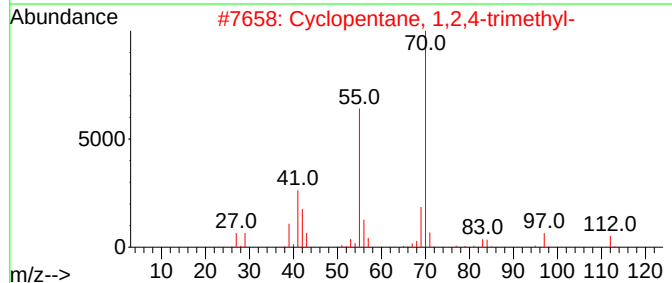
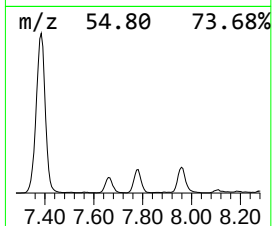
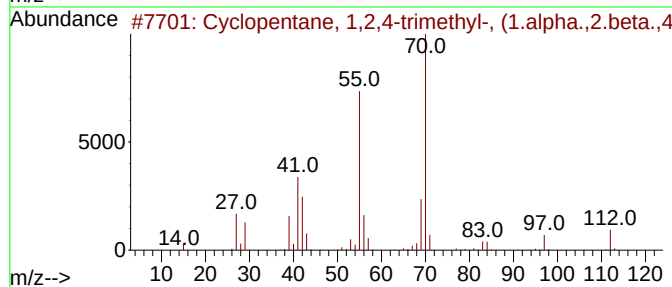
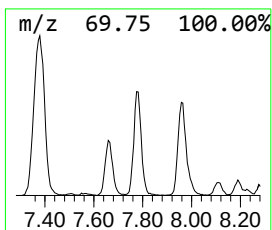
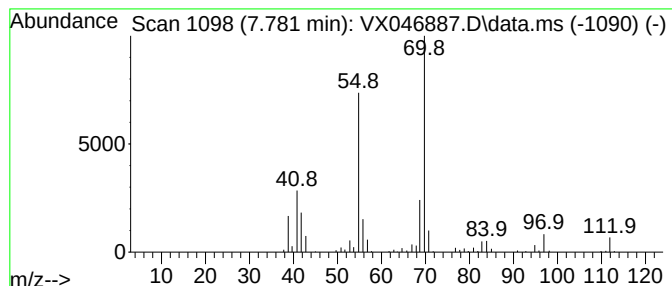
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Quant Title : SW846 8260

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

Peak Number 10 Cyclopentane, 1,2,4-trimeth... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.781	6.16 ug/l	275286	1,4-Difluorobenzene	6.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	90
4			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	90
5			2-Heptene, 3-methyl-	112	C8H16	003404-75-9	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
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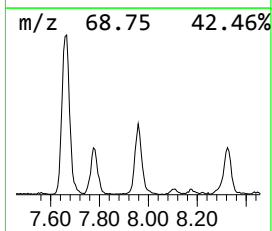
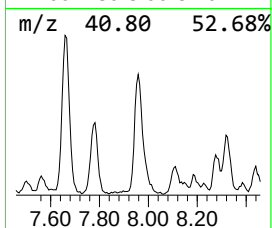
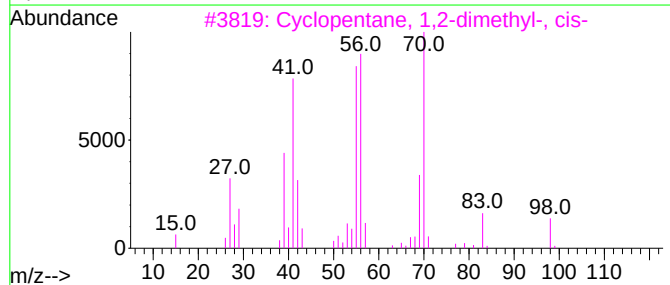
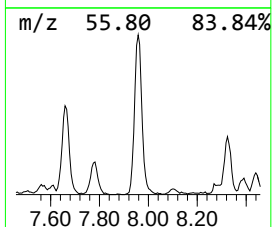
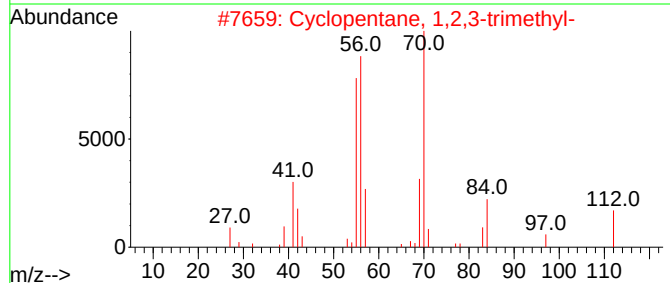
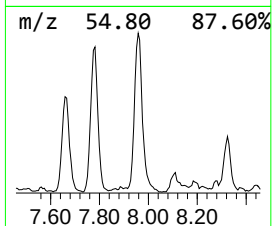
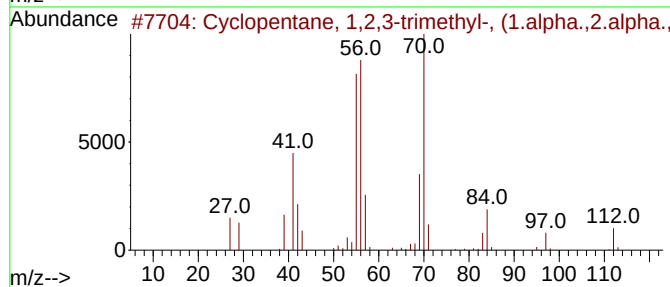
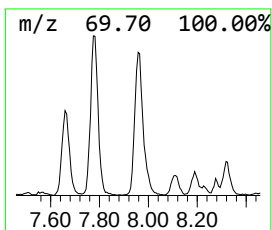
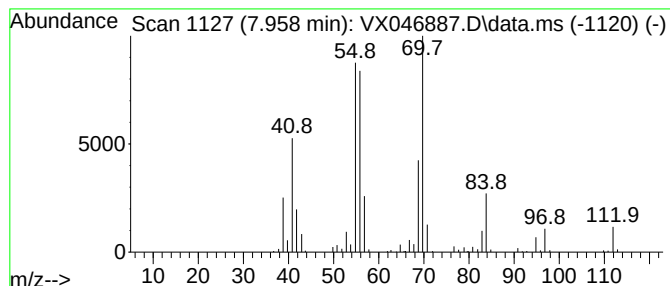
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Quant Title : SW846 8260

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

Peak Number 11 Cyclopentane, 1,2,3-trimeth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.958	10.61 ug/l	473873	1,4-Difluorobenzene	6.769

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	94
2			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	91
3			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72
4			trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	64
5			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

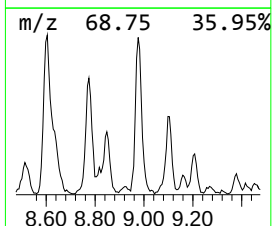
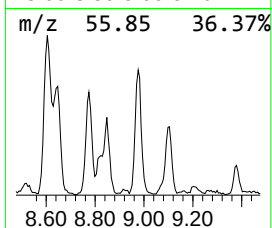
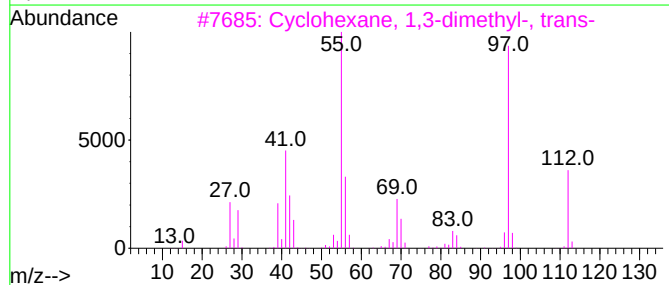
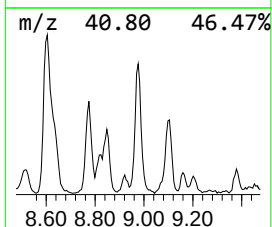
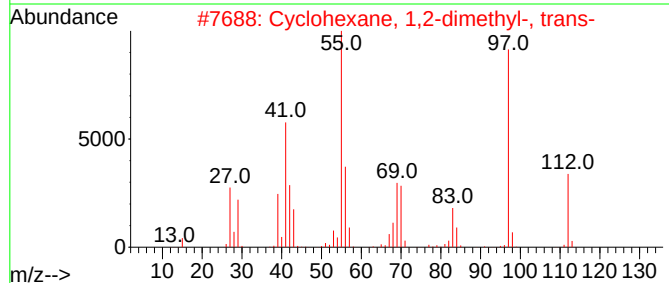
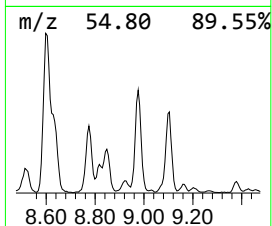
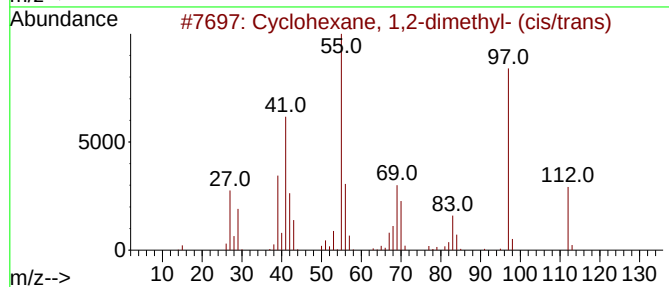
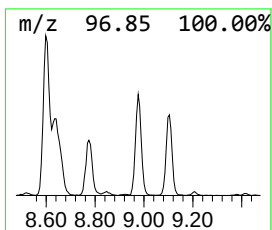
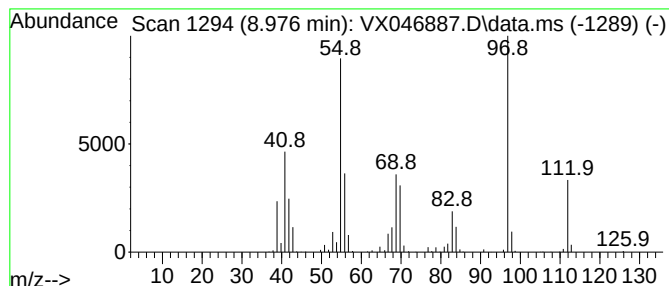
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Quant Title : SW846 8260

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

Peak Number 12 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.976	9.04 ug/l	447767	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	97
2			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4			Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	83
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

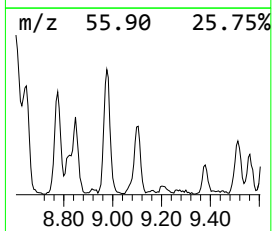
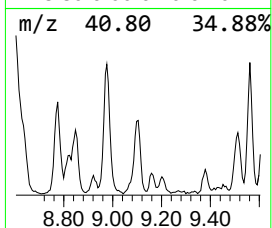
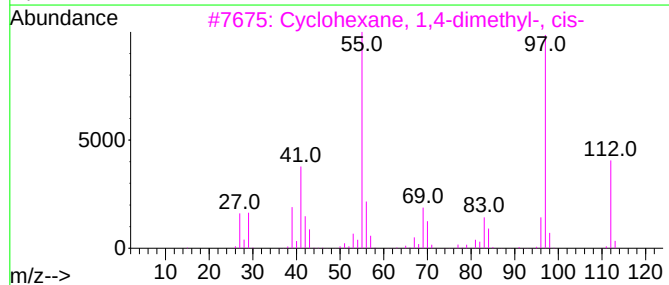
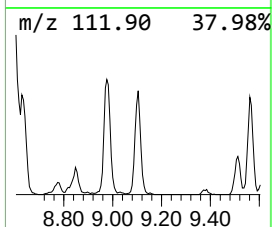
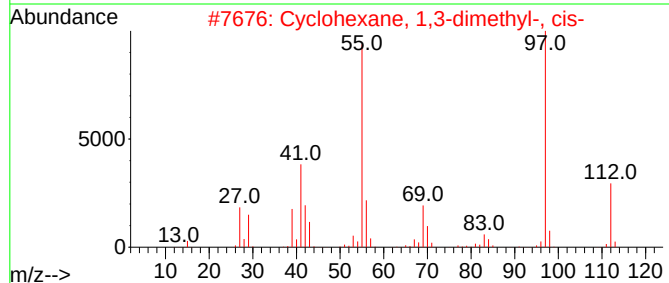
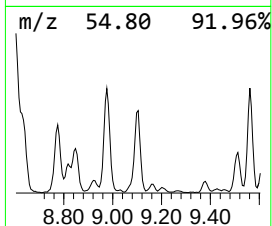
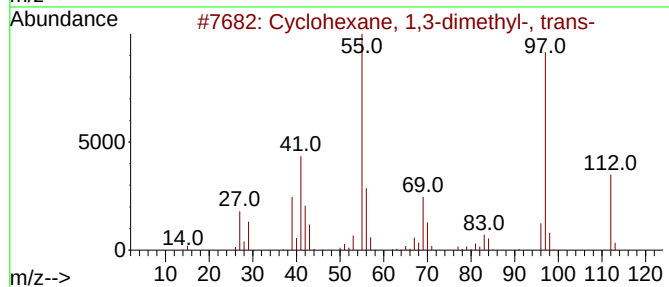
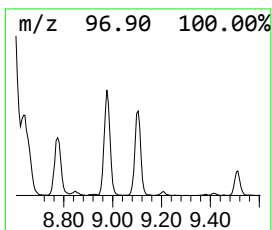
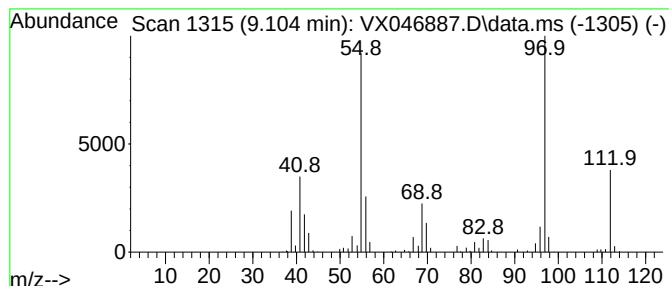
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Quant Title : SW846 8260

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

Peak Number 13 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.104	6.22 ug/l	308262	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
2			Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	94
3			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94
4			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
5			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

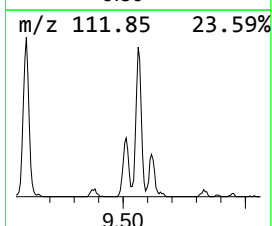
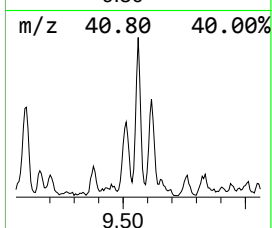
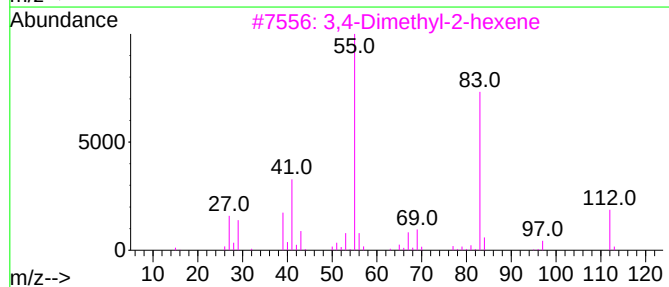
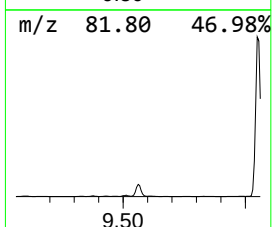
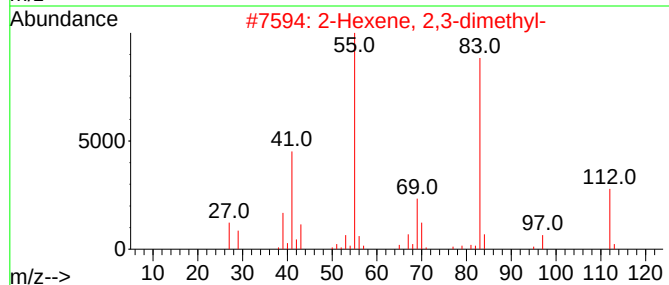
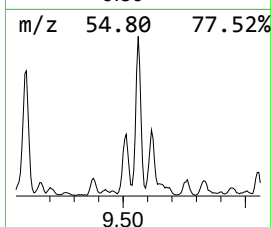
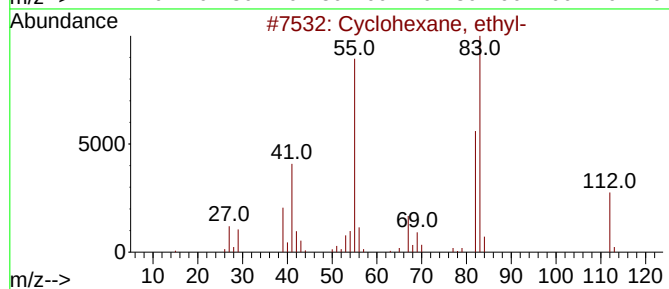
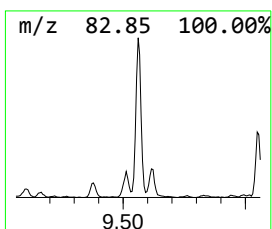
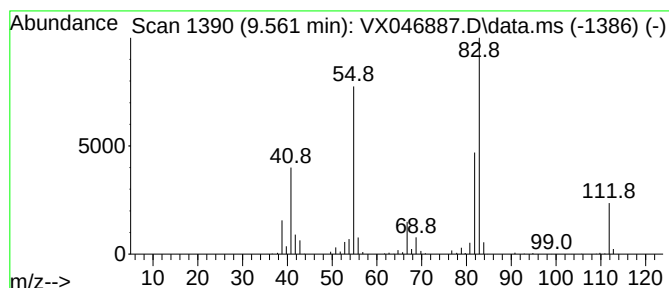
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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

Peak Number 14 Cyclohexane, ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.561	6.45 ug/l	319287	Chlorobenzene-d5	10.055

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	95
2			2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	58
3			3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	58
4			Oxalic acid, cyclohexyl dodecyl ...	340	C20H36O4	1000309-31-4	53
5			2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

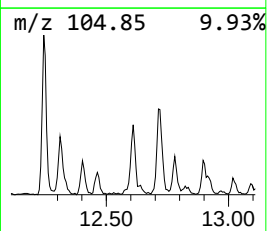
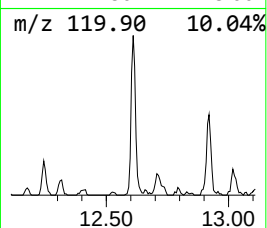
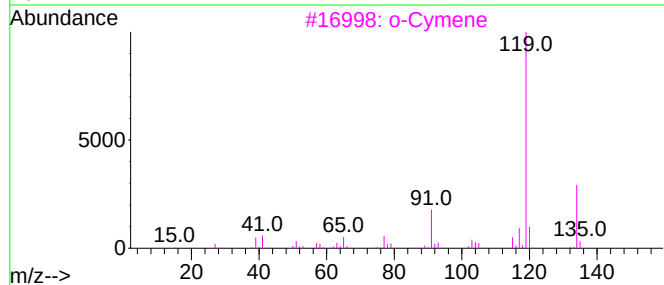
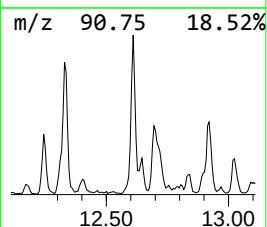
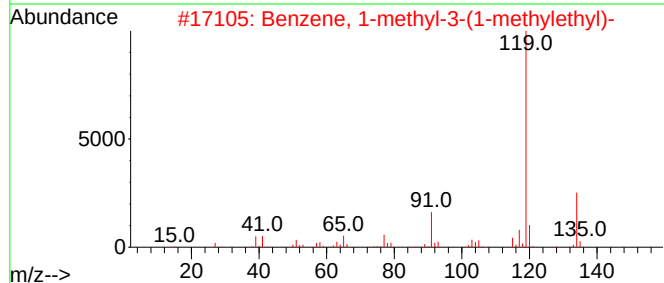
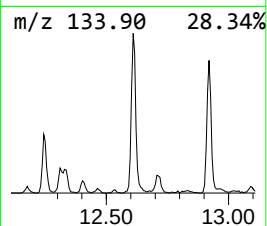
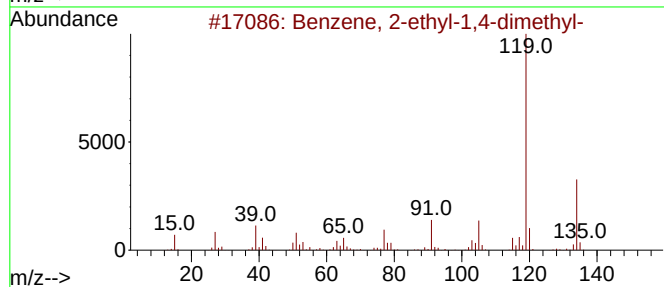
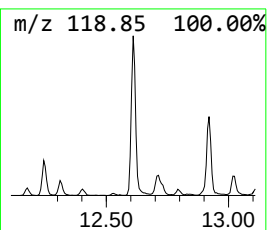
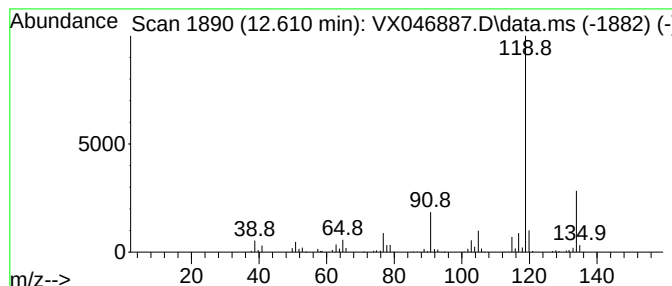
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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

Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.610	6.43 ug/l	328364	1,4-Dichlorobenzene-d4	12.018

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			Benzene, 1-methyl-3-(1-methylethyl)-	134	C10H14	000535-77-3	94
3			o-Cymene	134	C10H14	000527-84-4	94
4			p-Cymene	134	C10H14	000099-87-6	93
5			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046887.D
Acq On : 03 Jul 2025 14:58
Operator : JC/MD
Sample : Q2503-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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
Butane, 2,3-dim...	2.800	8.1	ug/l	192344	1	5.562	1183250	50.0
Pentane, 2-methyl-	2.843	29.4	ug/l	696670	1	5.562	1183250	50.0
Pentane, 3-methyl-	3.117	25.4	ug/l	599952	1	5.562	1183250	50.0
Cyclopentane, m...	4.318	45.1	ug/l	1066290	1	5.562	1183250	50.0
Hexane, 3-methyl-	5.843	33.9	ug/l	801442	1	5.562	1183250	50.0
Cyclopentane, 1...	6.166	40.0	ug/l	946190	1	5.562	1183250	50.0
Cyclopentane, 1...	6.269	20.7	ug/l	924578	2	6.769	2232970	50.0
Isopropylcyclob...	6.367	26.0	ug/l	1160600	2	6.769	2232970	50.0
Cyclopentane, e...	7.659	9.0	ug/l	403305	2	6.769	2232970	50.0
Cyclopentane, 1...	7.781	6.2	ug/l	275286	2	6.769	2232970	50.0
Cyclopentane, 1...	7.958	10.6	ug/l	473873	2	6.769	2232970	50.0
Cyclohexane, 1...	8.976	9.0	ug/l	447767	3	10.055	2476290	50.0
Cyclohexane, 1...	9.104	6.2	ug/l	308262	3	10.055	2476290	50.0
Cyclohexane, et...	9.561	6.5	ug/l	319287	3	10.055	2476290	50.0
Benzene, 2-ethy...	12.610	6.4	ug/l	328364	4	12.018	2551460	50.0

Report of Analysis

Client:	G Environmental	Date Collected:	07/02/25
Project:	Capra	Date Received:	07/03/25
Client Sample ID:	GCAP2	SDG No.:	Q2503
Lab Sample ID:	Q2503-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	71.2
Sample Wt/Vol:	4.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031840.D	1	07/14/25 11:16	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	7.30	ug/Kg
74-87-3	Chloromethane	1.70	U	1.70	7.30	ug/Kg
75-01-4	Vinyl Chloride	1.10	U	1.10	7.30	ug/Kg
74-83-9	Bromomethane	1.60	U	1.60	7.30	ug/Kg
75-00-3	Chloroethane	1.80	U	1.80	7.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.80	U	1.80	7.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.50	U	1.50	7.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.50	U	1.50	7.30	ug/Kg
67-64-1	Acetone	360		6.90	36.3	ug/Kg
75-15-0	Carbon Disulfide	3.20	J	1.50	7.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	U	1.10	7.30	ug/Kg
79-20-9	Methyl Acetate	2.20	U	2.20	7.30	ug/Kg
75-09-2	Methylene Chloride	5.10	U	5.10	14.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.30	U	1.30	7.30	ug/Kg
75-34-3	1,1-Dichloroethane	1.20	U	1.20	7.30	ug/Kg
110-82-7	Cyclohexane	600	E	1.10	7.30	ug/Kg
78-93-3	2-Butanone	120		9.50	36.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.40	U	1.40	7.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.10	U	1.10	7.30	ug/Kg
74-97-5	Bromochloromethane	1.70	U	1.70	7.30	ug/Kg
67-66-3	Chloroform	1.20	U	1.20	7.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.40	U	1.40	7.30	ug/Kg
108-87-2	Methylcyclohexane	990	E	1.30	7.30	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.30	ug/Kg
107-06-2	1,2-Dichloroethane	1.10	U	1.10	7.30	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.30	ug/Kg
78-87-5	1,2-Dichloropropane	1.30	U	1.30	7.30	ug/Kg
75-27-4	Bromodichloromethane	1.10	U	1.10	7.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.20	U	5.20	36.3	ug/Kg
108-88-3	Toluene	5.30	J	1.10	7.30	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	07/02/25
Project:	Capra	Date Received:	07/03/25
Client Sample ID:	GCAP2	SDG No.:	Q2503
Lab Sample ID:	Q2503-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	71.2
Sample Wt/Vol:	4.83	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	Final Vol:	5000
Prep Method :	ID : 0.25	Test:	VOC-TCLVOA-10
		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031840.D	1	07/14/25 11:16	VW071425

[illegible]

Report of Analysis

Client:	G Environmental	Date Collected:	07/02/25
Project:	Capra	Date Received:	07/03/25
Client Sample ID:	GCAP2	SDG No.:	Q2503
Lab Sample ID:	Q2503-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	71.2
Sample Wt/Vol:	4.83 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031840.D	1	07/14/25 11:16	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000096-37-7	Cyclopentane, methyl-	110	J		7.00	ug/Kg
002532-58-3	Cyclopentane, 1,3-dimethyl-, cis-	290	J		8.45	ug/Kg
002453-00-1	Cyclopentane, 1,3-dimethyl-	230	J		8.51	ug/Kg
000822-50-4	Cyclopentane, 1,2-dimethyl-, trans	270	J		8.59	ug/Kg
001640-89-7	Cyclopentane, ethyl-	89.1	J		9.52	ug/Kg
016883-48-0	Cyclopentane, 1,2,4-trimethyl-, (1	77.2	J		9.61	ug/Kg
015890-40-1	Cyclopentane, 1,2,3-trimethyl-, (1	130	J		9.76	ug/Kg
000583-57-3	Cyclohexane, 1,2-dimethyl- (cis/tr	150	J		10.5	ug/Kg
006876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	120	J		10.7	ug/Kg
002207-04-7	Cyclohexane, 1,4-dimethyl-, trans-	110	J		10.8	ug/Kg
003073-66-3	Cyclohexane, 1,1,3-trimethyl-	87.8	J		11.2	ug/Kg
103-65-1	n-propylbenzene	54.7	J		12.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	23.6	J		12.9	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	63.0	J		13.1	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	53.0	J		13.2	ug/Kg
135-98-8	sec-Butylbenzene	7.80	J		13.4	ug/Kg
99-87-6	p-Isopropyltoluene	6.30	J		13.5	ug/Kg
104-51-8	n-Butylbenzene	4.80	J		13.8	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	180	J		14.8	ug/Kg
053172-84-2	Benzene, (1-methyl-1-butenyl)-	69.9	J		15.1	ug/Kg
004175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethy	89.6	J		15.2	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_W\Data\VW071425\
 Data File : VW031840.D
 Acq On : 14 Jul 2025 11:16
 Operator : SY/MD
 Sample : Q2503-03
 Misc : 4.83g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:41:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	210867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	390097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	330238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	124443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	121517	40.155	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	80.320%		
35) Dibromofluoromethane	7.898	113	109893	43.171	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	86.340%		
50) Toluene-d8	10.325	98	454812	48.011	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	96.020%		
62) 4-Bromofluorobenzene	12.617	95	132548	38.022	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	76.040%		
Target Compounds					Qvalue	
16) Acetone	4.161	43	183992	245.985	ug/l	94
17) Carbon Disulfide	4.417	76	14969	2.226	ug/l	99
25) 2-Butanone	7.191	43	79299	81.491	ug/l #	87
31) Cyclohexane	7.972	56	1772349	411.327	ug/l	93
39) Methylcyclohexane	9.343	83	3108704	678.321	ug/l	97
52) Toluene	10.392	92	25535	3.660	ug/l	97
67) Ethyl Benzene	11.733	91	17565	1.390	ug/l	89
68) m/p-Xylenes	11.837	106	99062	20.396	ug/l	95
69) o-Xylene	12.166	106	19927	4.431	ug/l	92
73) Isopropylbenzene	12.465	105	235287	24.857	ug/l	99
78) n-propylbenzene	12.800	91	426293	37.608	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	127325	16.250	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	289573	36.475	ug/l	98
85) sec-Butylbenzene	13.379	105	54204	5.381	ug/l #	72
86) p-Isopropyltoluene	13.495	119	35983	4.334	ug/l	92
89) n-Butylbenzene	13.812	91	26880m	3.332	ug/l	

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

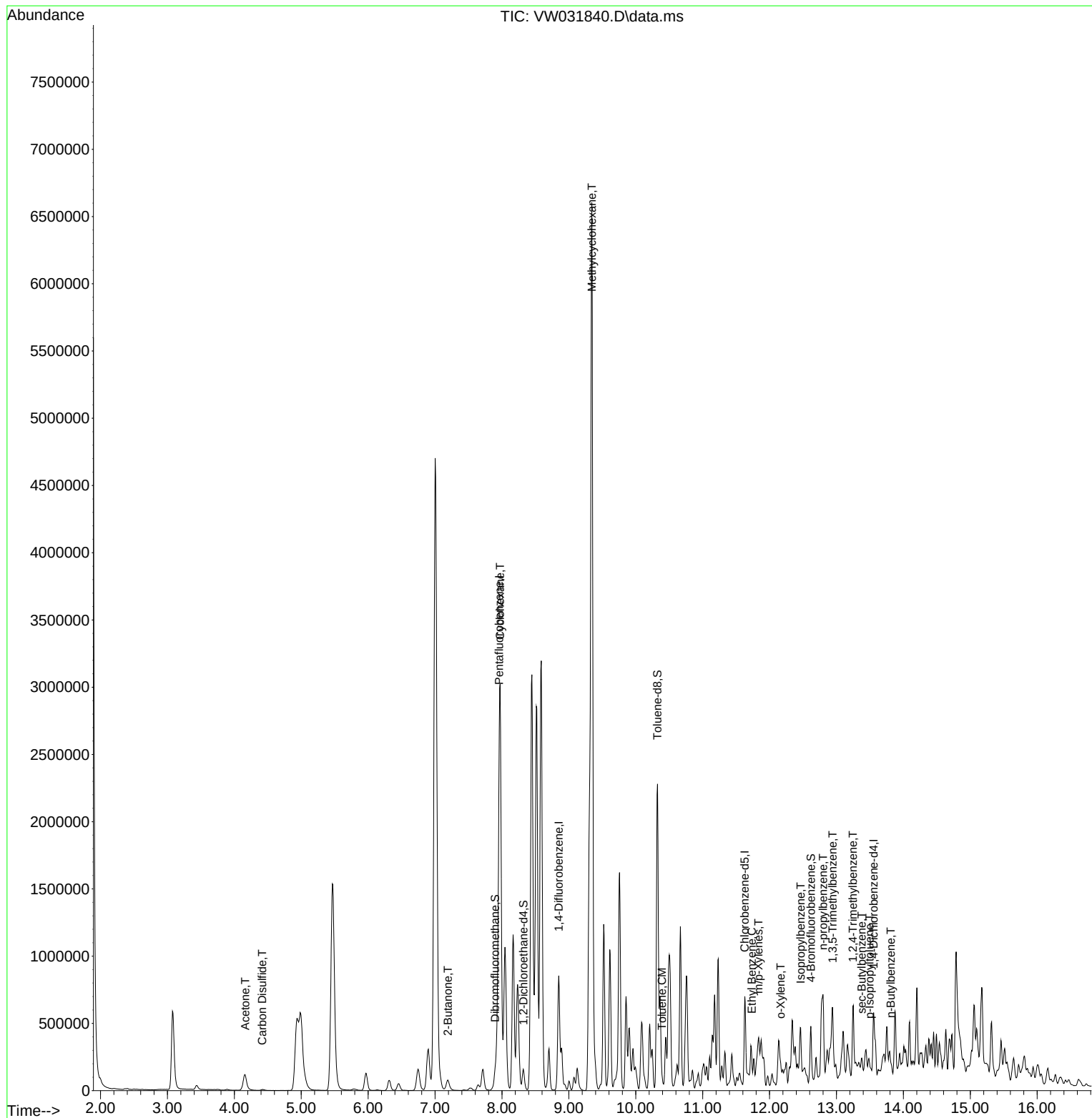
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Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

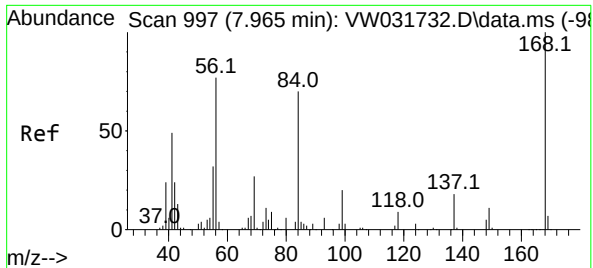
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 07/15/2025
Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:41:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration





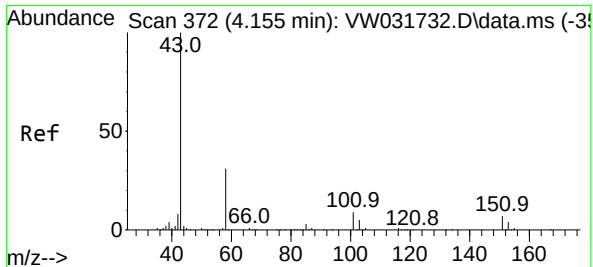
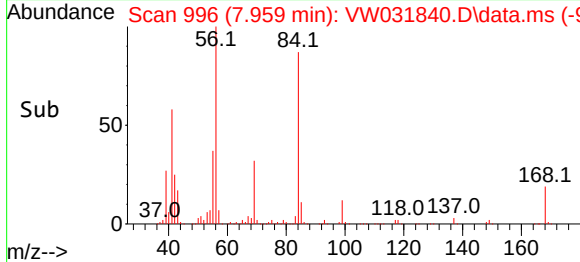
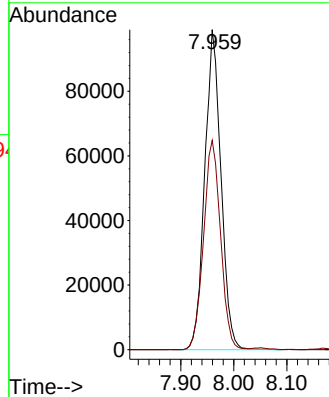
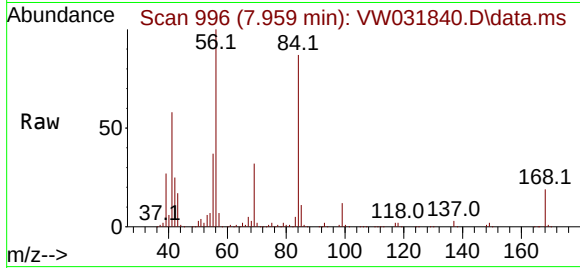
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Tgt Ion:168 Resp: 21086
Ion Ratio Lower Upper
168 100
99 65.4 49.4 74.2

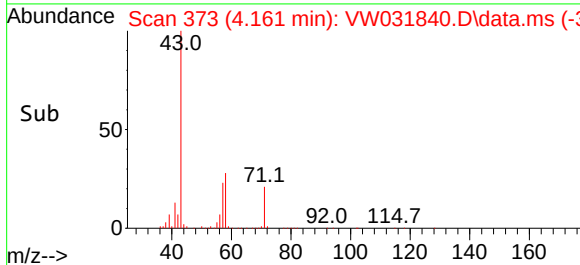
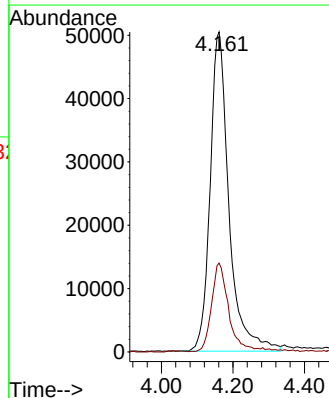
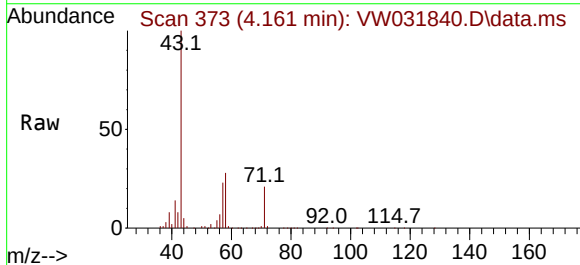
Manual Integrations
APPROVED

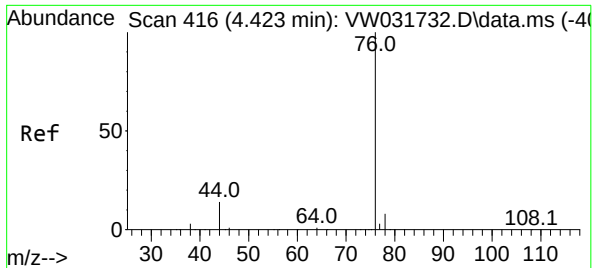
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#16
Acetone
Concen: 245.985 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.007 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

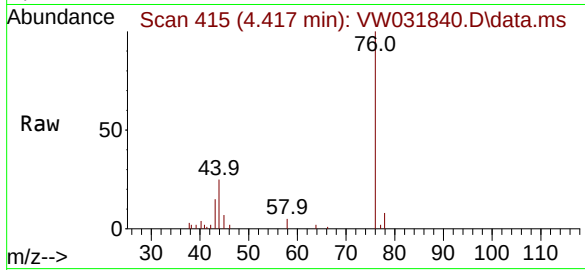
Tgt Ion: 43 Resp: 183992
Ion Ratio Lower Upper
43 100
58 27.5 24.8 37.2





#17
Carbon Disulfide
Concen: 2.226 ug/l
RT: 4.417 min Scan# 416
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

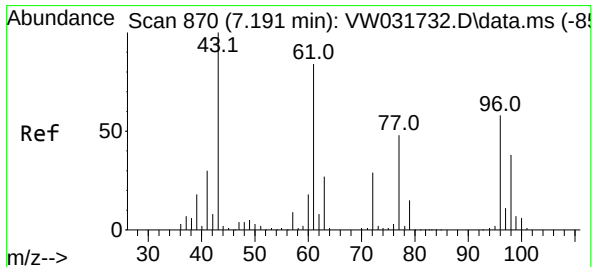
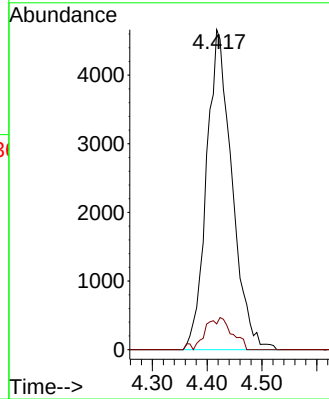
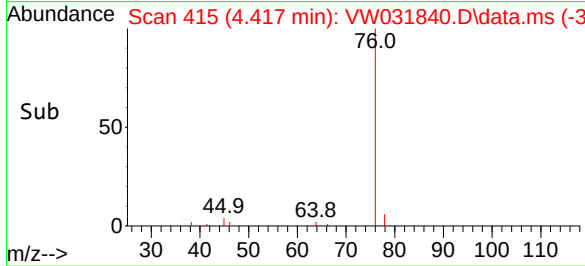
Instrument :
MSVOA_W
ClientSampleId :
GCAP2



Tgt Ion: 76 Resp: 14969
Ion Ratio Lower Upper
76 100
78 8.0 6.6 10.0

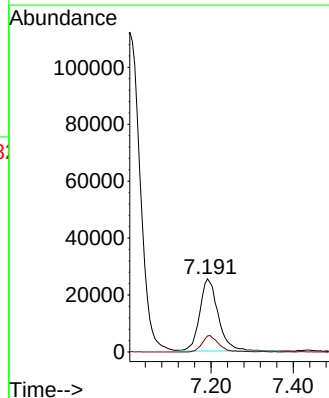
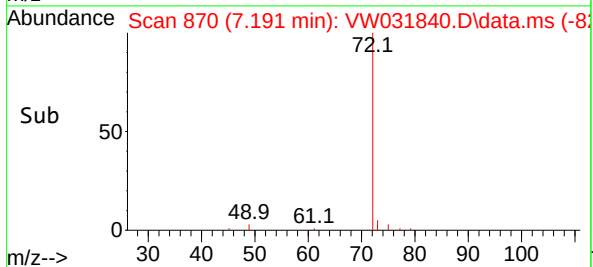
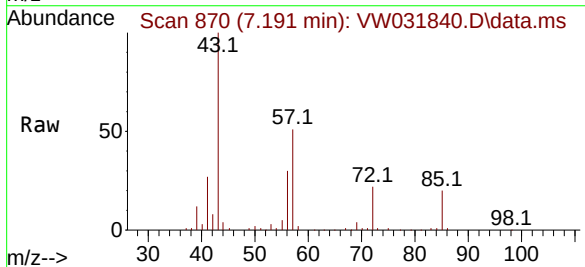
Manual Integrations
APPROVED

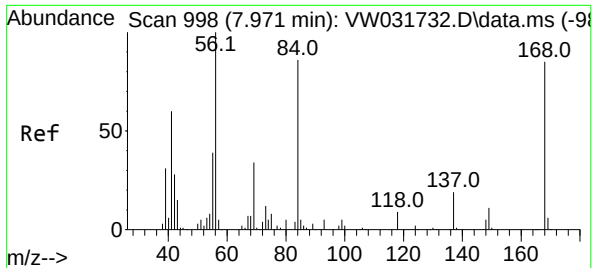
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#25
2-Butanone
Concen: 81.491 ug/l
RT: 7.191 min Scan# 870
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

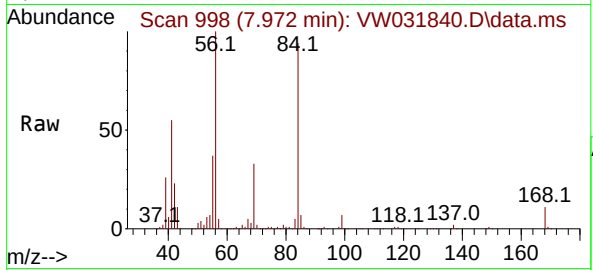
Tgt Ion: 43 Resp: 79299
Ion Ratio Lower Upper
43 100
72 22.1 23.0 34.6#





#31
Cyclohexane
Concen: 411.327 ug/l
RT: 7.972 min Scan# 998
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

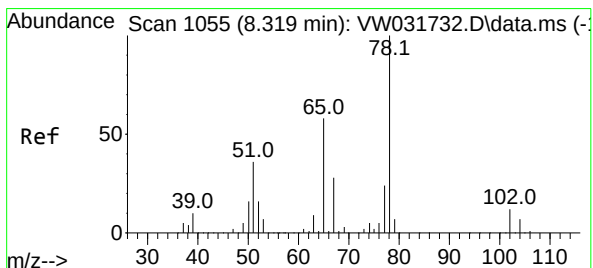
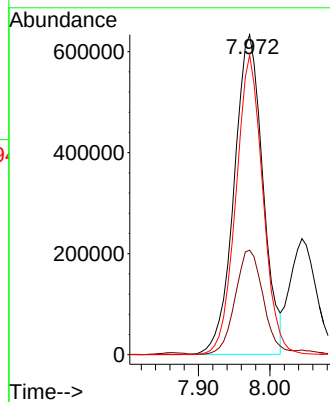
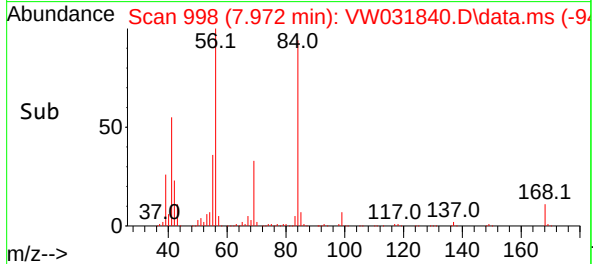
Instrument :
MSVOA_W
ClientSampleId :
GCAP2



Tgt Ion: 56 Resp: 1772349
Ion Ratio Lower Upper
56 100
69 32.2 27.2 40.8
84 93.7 68.5 102.7

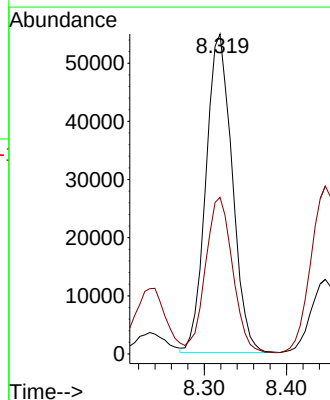
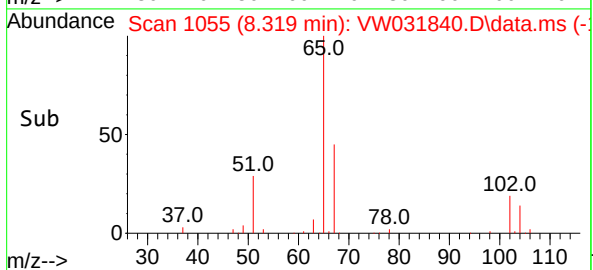
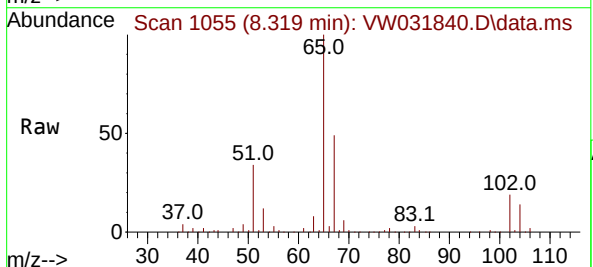
Manual Integrations
APPROVED

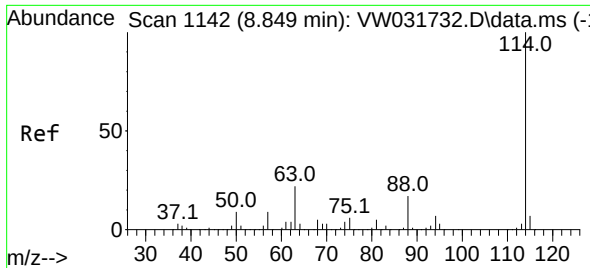
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#33
1,2-Dichloroethane-d4
Concen: 40.155 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

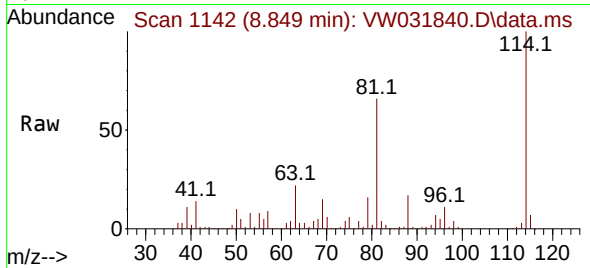
Tgt Ion: 65 Resp: 121517
Ion Ratio Lower Upper
65 100
67 50.1 0.0 99.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

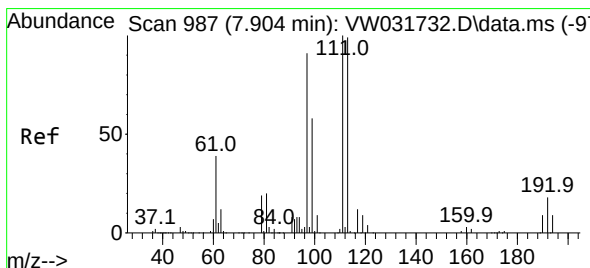
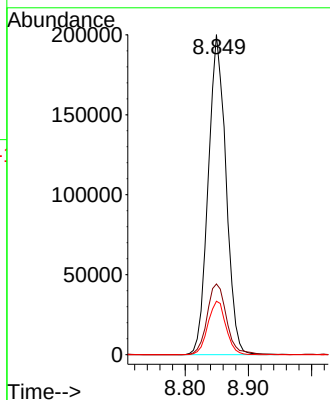
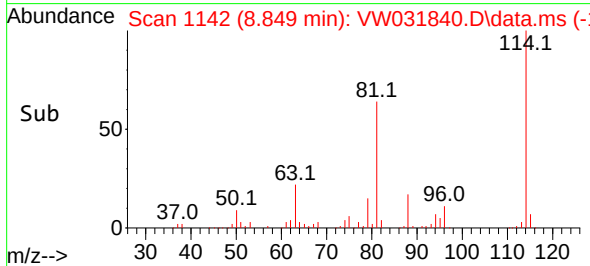
Instrument :
MSVOA_W
ClientSampleId :
GCAP2



Tgt Ion:114 Resp: 390097
Ion Ratio Lower Upper
114 100
63 22.1 0.0 43.6
88 16.7 0.0 34.2

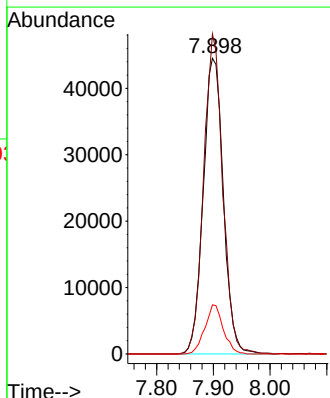
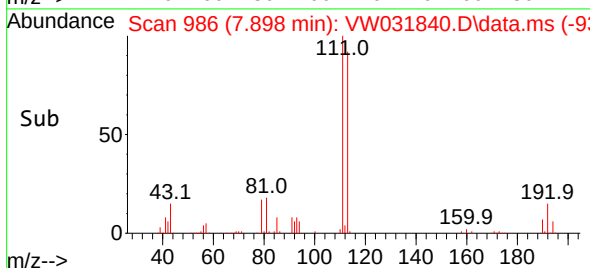
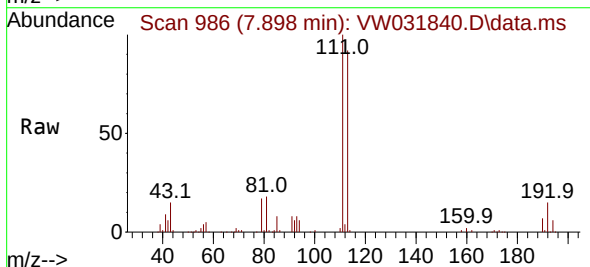
Manual Integrations
APPROVED

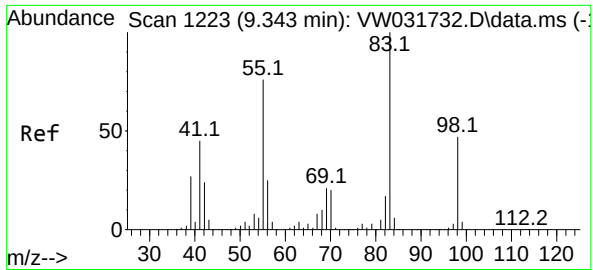
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#35
Dibromofluoromethane
Concen: 43.171 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:113 Resp: 109893
Ion Ratio Lower Upper
113 100
111 102.7 82.1 123.1
192 15.2 13.8 20.6





#39

Methylcyclohexane

Concen: 678.321 ug/l

RT: 9.343 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW031840.D

Acq: 14 Jul 2025 11:16

Instrument :

MSVOA_W

ClientSampleId :

GCAP2

Tgt Ion: 83 Resp: 3108704

Ion Ratio Lower Upper

83 100

55 73.1 61.0 91.4

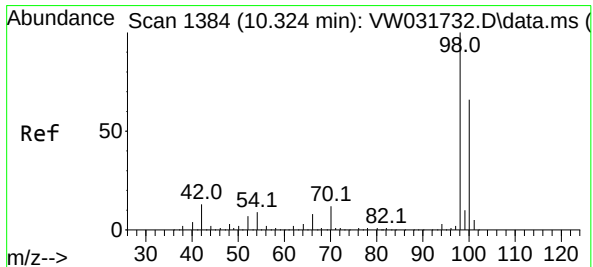
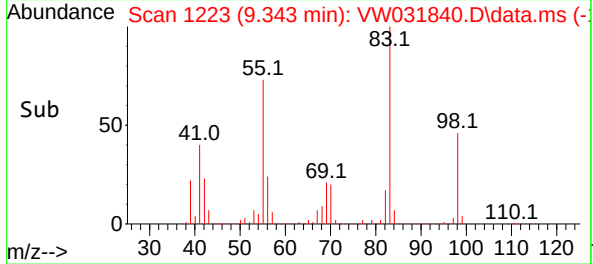
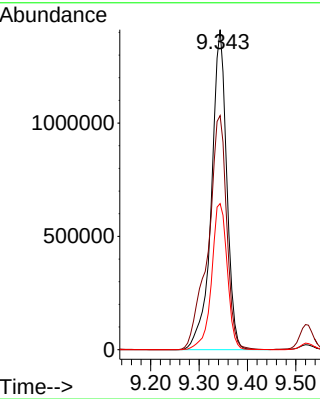
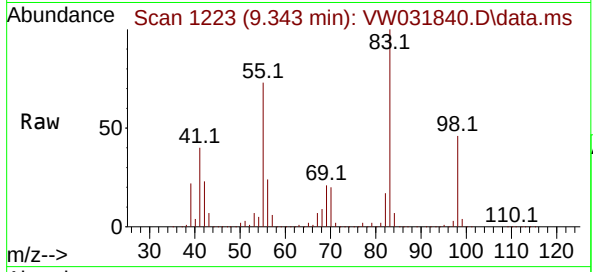
98 45.6 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025

Supervised By :Mahesh Dadoda 07/16/2025



#50

Toluene-d8

Concen: 48.011 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031840.D

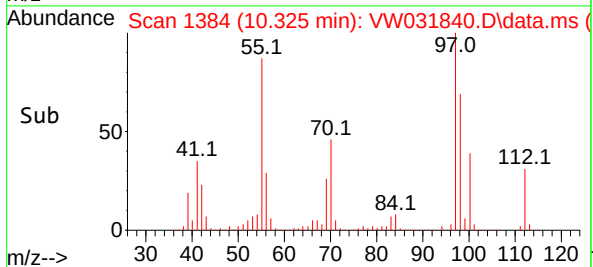
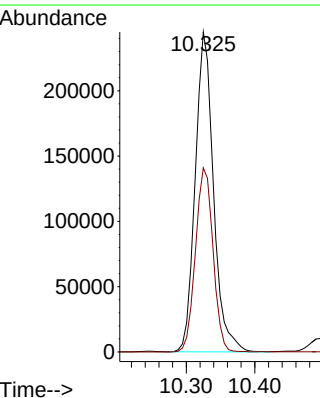
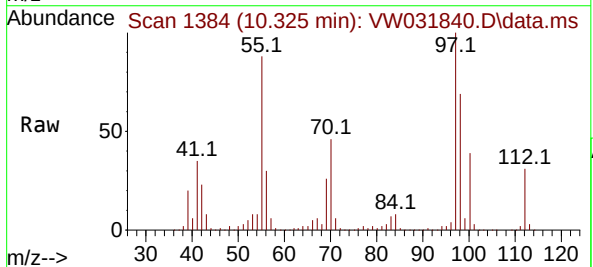
Acq: 14 Jul 2025 11:16

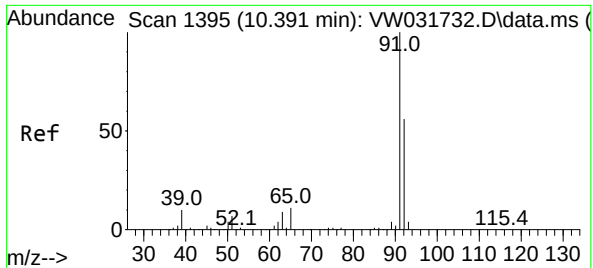
Tgt Ion: 98 Resp: 454812

Ion Ratio Lower Upper

98 100

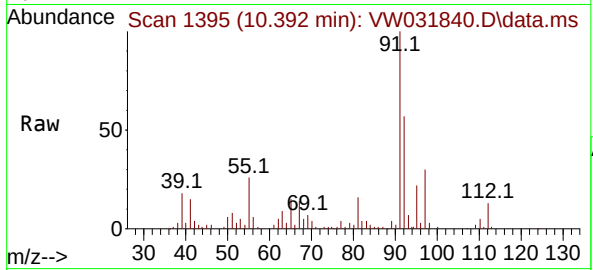
100 55.2 53.0 79.4





#52
Toluene
Concen: 3.660 ug/l
RT: 10.392 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

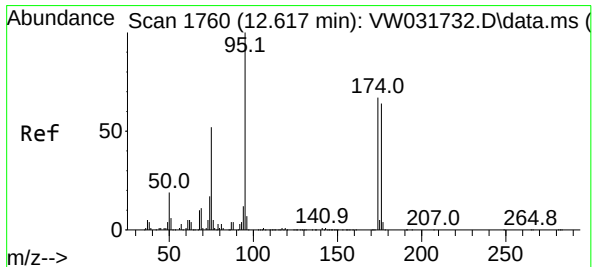
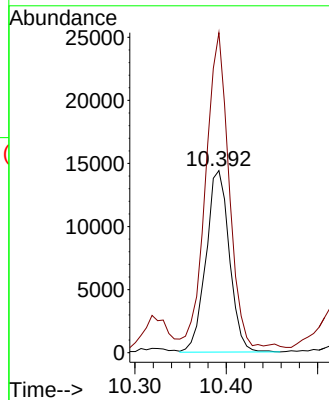
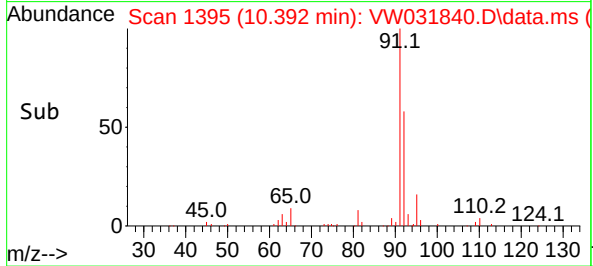
Instrument :
MSVOA_W
ClientSampleId :
GCAP2



Tgt Ion: 92 Resp: 2553
Ion Ratio Lower Upper
92 100
91 170.3 139.5 209.3

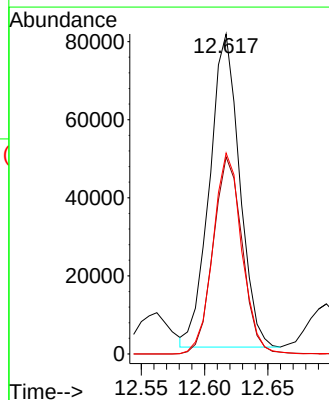
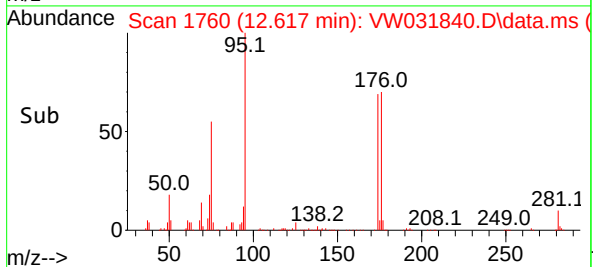
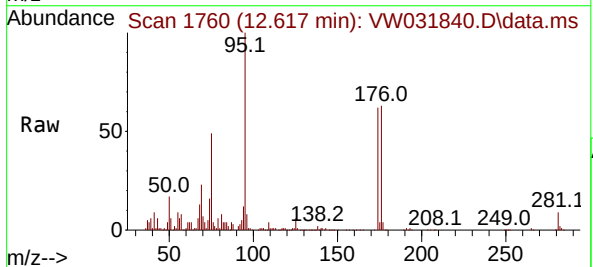
Manual Integrations
APPROVED

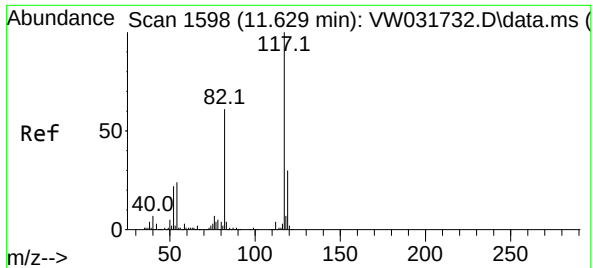
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#62
4-Bromofluorobenzene
Concen: 38.022 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

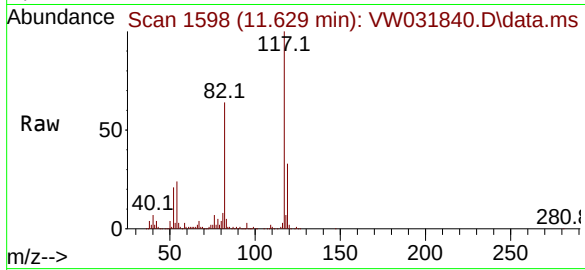
Tgt Ion: 95 Resp: 132548
Ion Ratio Lower Upper
95 100
174 61.0 0.0 133.8
176 61.5 0.0 126.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

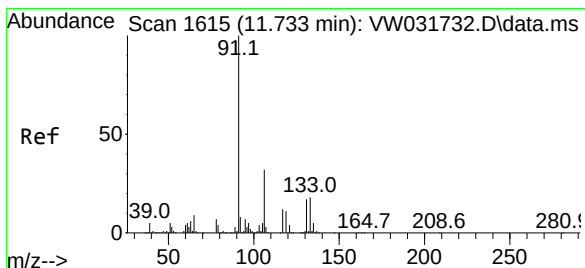
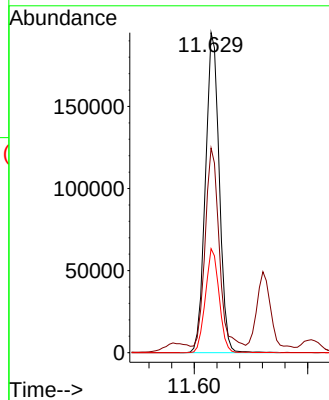
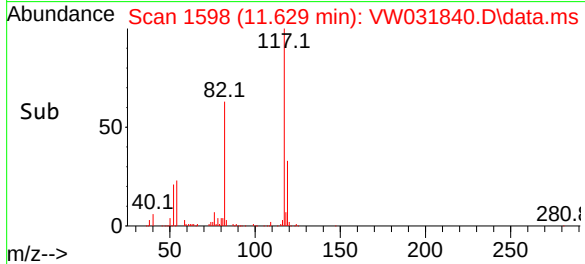
Instrument :
MSVOA_W
ClientSampleId :
GCAP2



Tgt Ion: 117 Resp: 330238
Ion Ratio Lower Upper
117 100
82 61.6 48.6 72.8
119 32.5 23.9 35.9

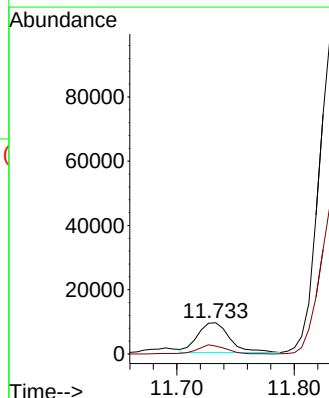
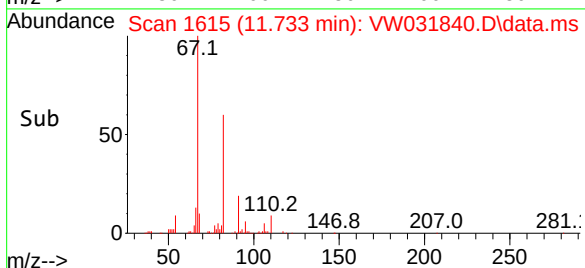
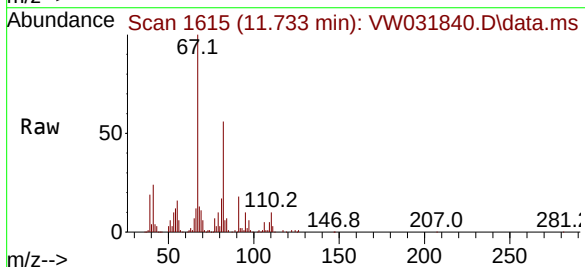
Manual Integrations
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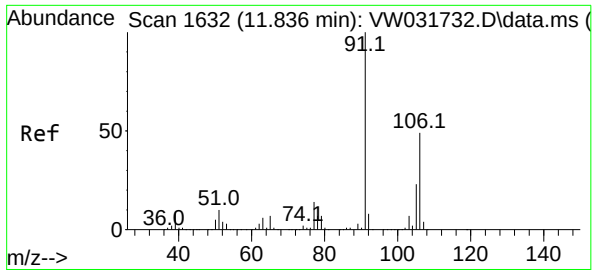
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#67
Ethyl Benzene
Concen: 1.390 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 91 Resp: 17565
Ion Ratio Lower Upper
91 100
106 25.4 25.4 38.2





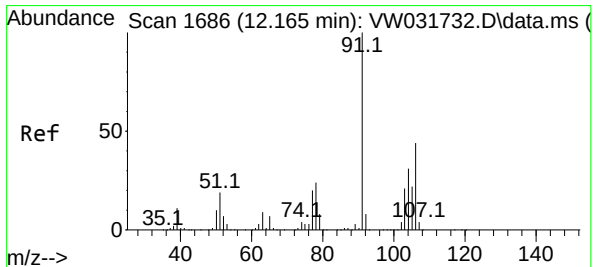
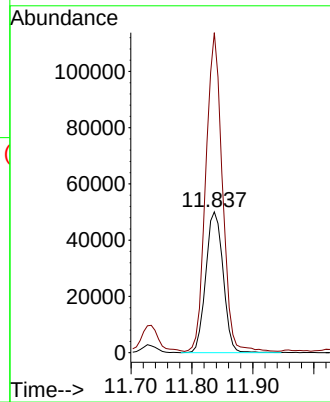
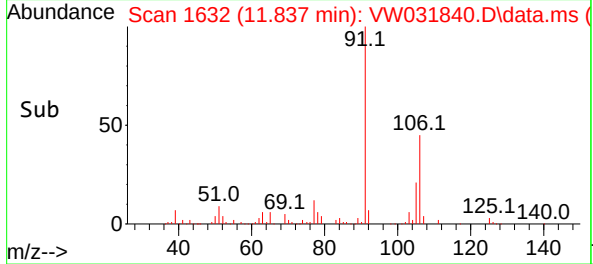
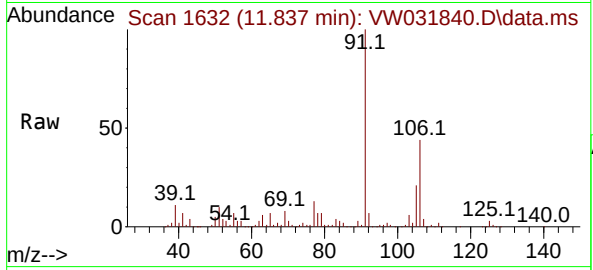
#68
m/p-Xylenes
Concen: 20.396 ug/l
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Tgt Ion:106 Resp: 99062
Ion Ratio Lower Upper
106 100
91 215.0 166.4 249.6

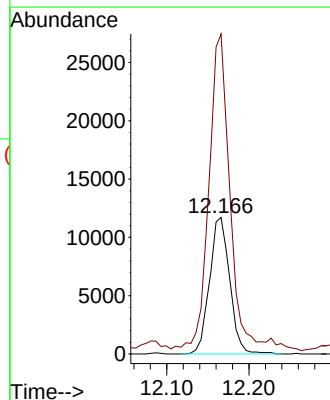
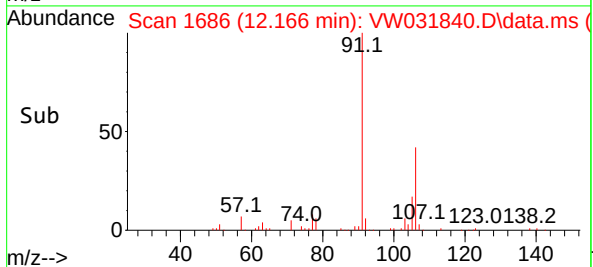
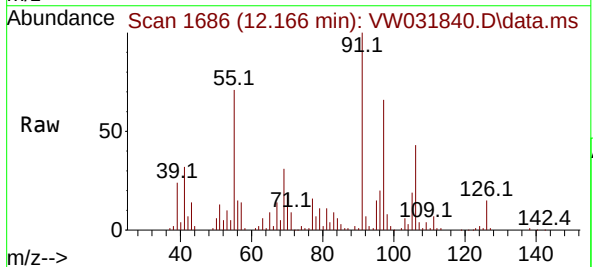
Manual Integrations
APPROVED

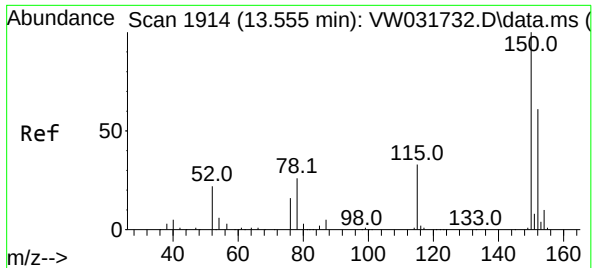
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#69
o-Xylene
Concen: 4.431 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

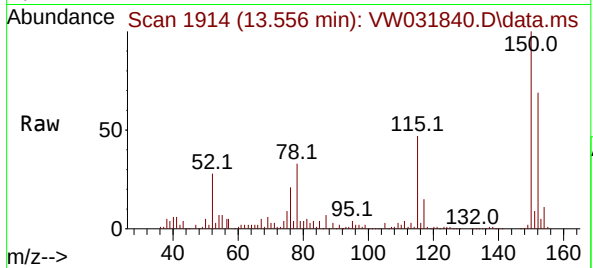
Tgt Ion:106 Resp: 19927
Ion Ratio Lower Upper
106 100
91 235.1 111.5 334.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

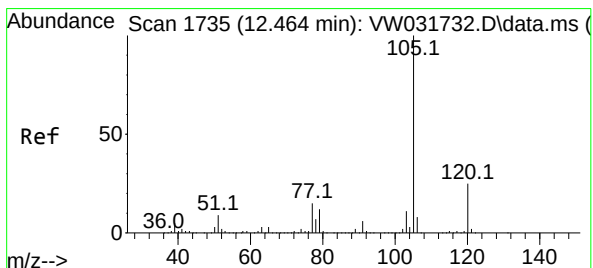
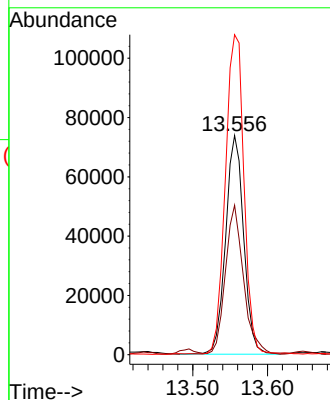
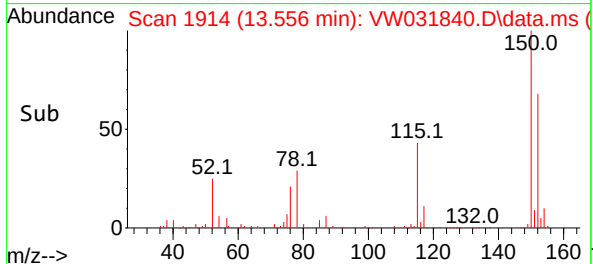
Instrument :
MSVOA_W
ClientSampleId :
GCAP2



Tgt Ion:152 Resp: 12444
Ion Ratio Lower Upper
152 100
115 68.3 31.9 95.7
150 150.0 0.0 356.4

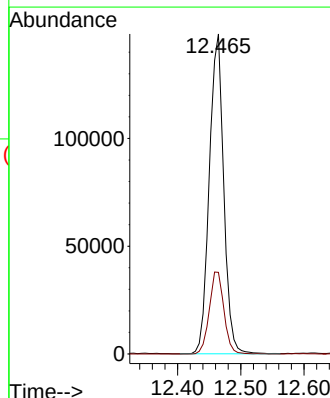
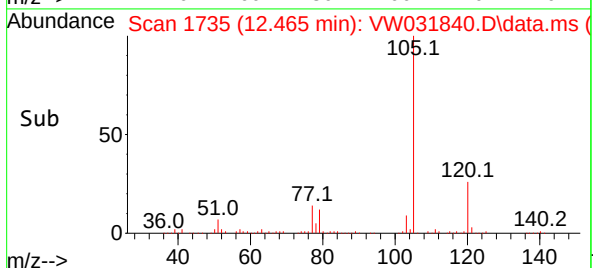
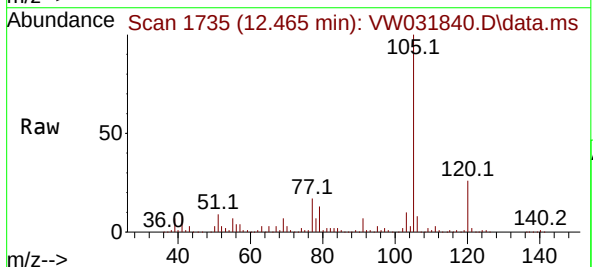
Manual Integrations
APPROVED

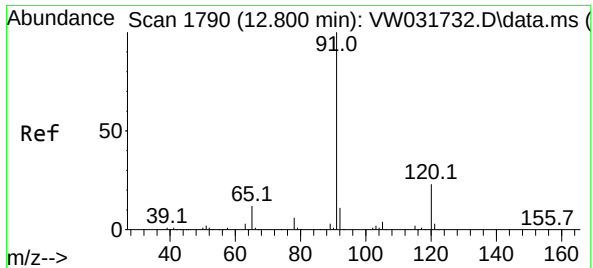
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#73
Isopropylbenzene
Concen: 24.857 ug/l
RT: 12.465 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

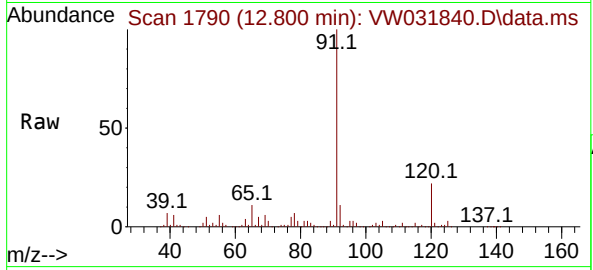
Tgt Ion:105 Resp: 235287
Ion Ratio Lower Upper
105 100
120 26.1 12.8 38.4





#78
n-propylbenzene
Concen: 37.608 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

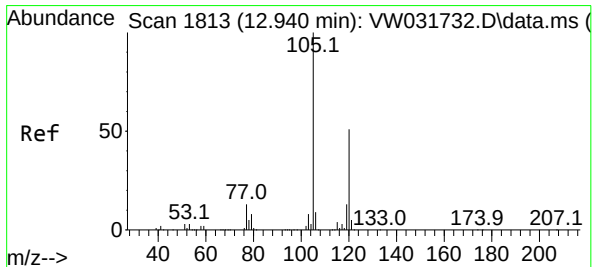
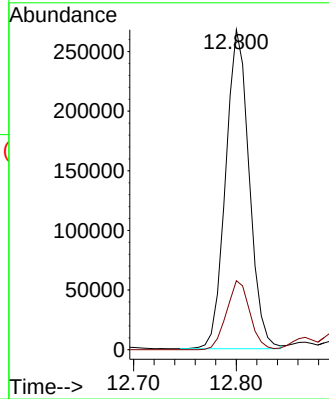
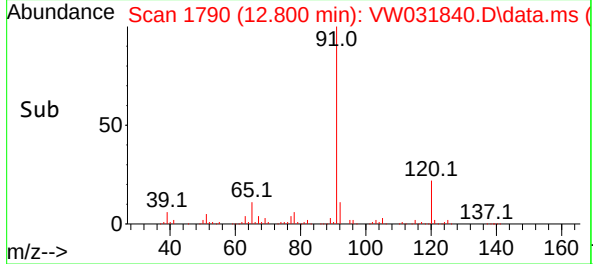
Instrument :
MSVOA_W
ClientSampleId :
GCAP2



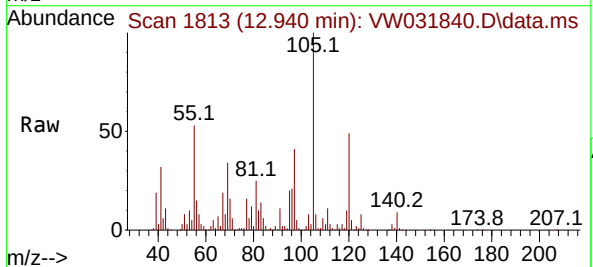
Tgt Ion: 91 Resp: 426293
Ion Ratio Lower Upper
91 100
120 21.3 11.5 34.4

Manual Integrations
APPROVED

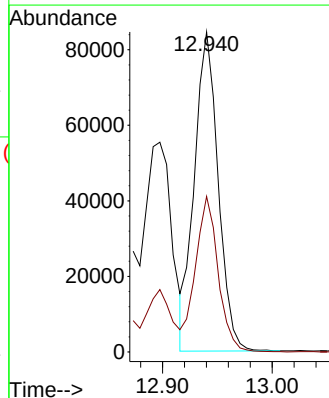
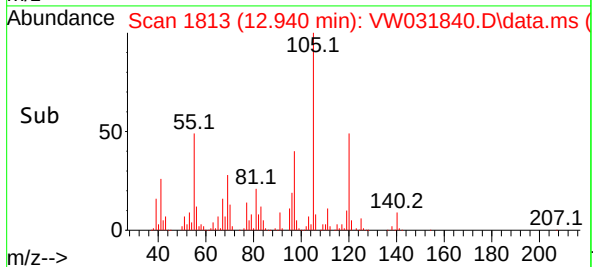
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

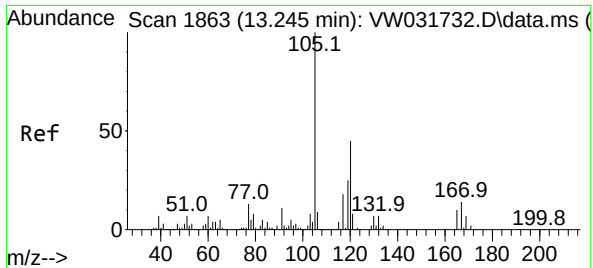


#80
1,3,5-Trimethylbenzene
Concen: 16.250 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16



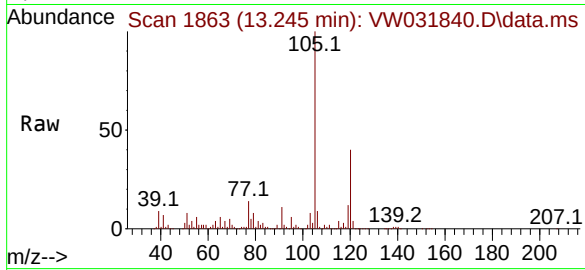
Tgt Ion:105 Resp: 127325
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.2





#84
1,2,4-Trimethylbenzene
Concen: 36.475 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

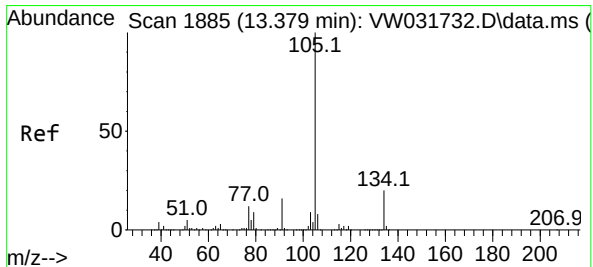
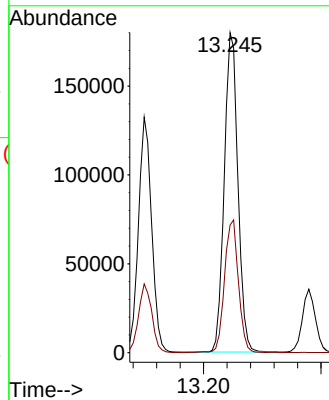
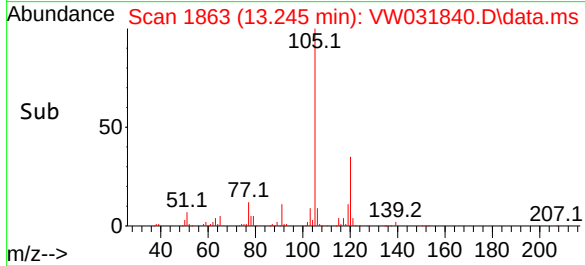
Instrument :
MSVOA_W
ClientSampleId :
GCAP2



Tgt Ion:105 Resp: 28957
Ion Ratio Lower Upper
105 100
120 42.5 22.1 66.1

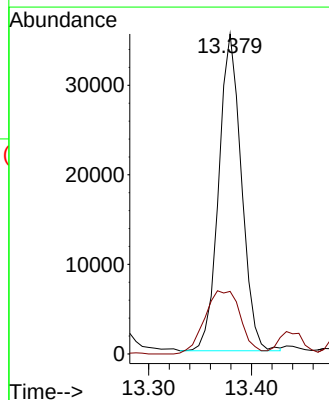
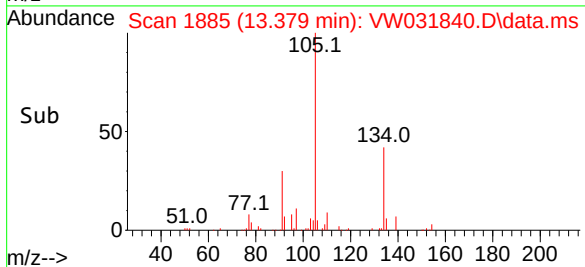
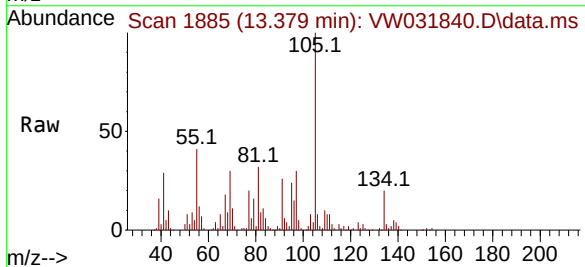
Manual Integrations
APPROVED

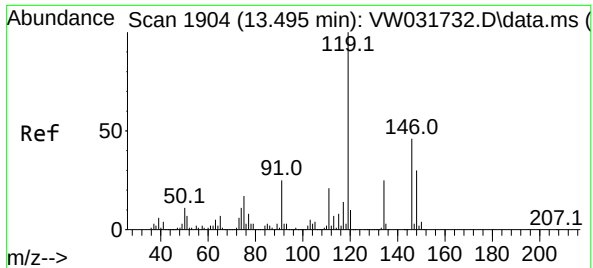
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#85
sec-Butylbenzene
Concen: 5.381 ug/l
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion:105 Resp: 54204
Ion Ratio Lower Upper
105 100
134 31.8 9.6 28.8#





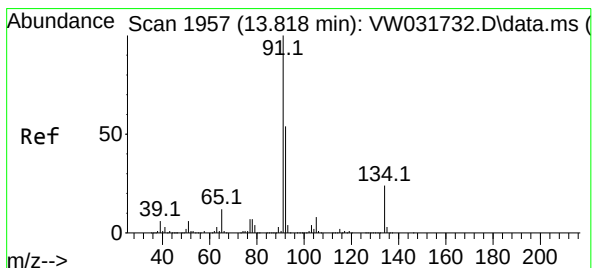
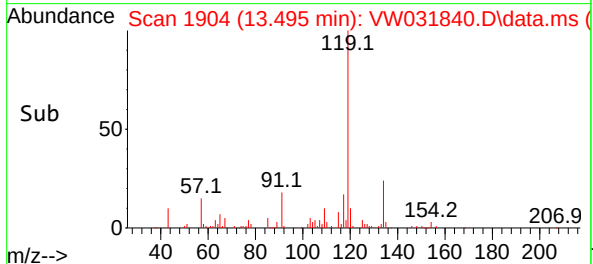
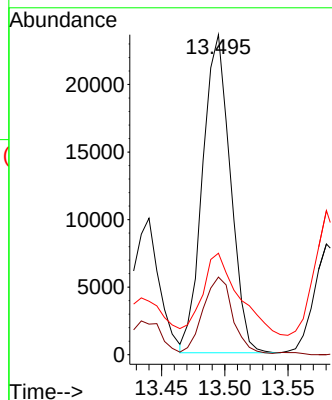
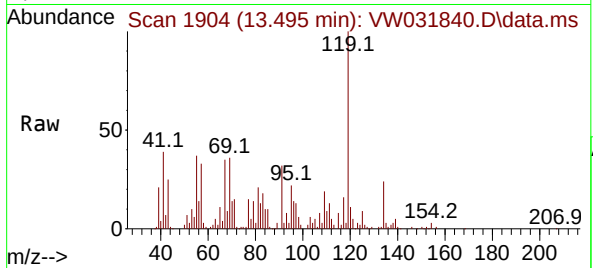
#86
p-Isopropyltoluene
Concen: 4.334 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Tgt Ion:119 Resp: 3598
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.7
91 33.5 12.7 38.0

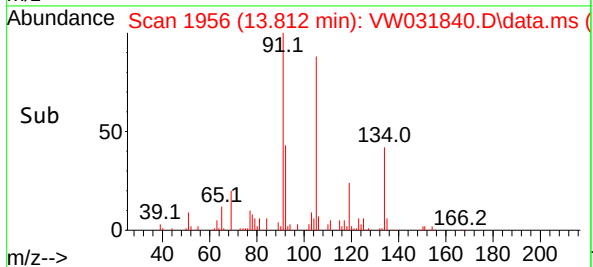
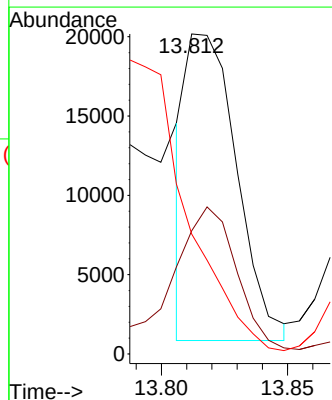
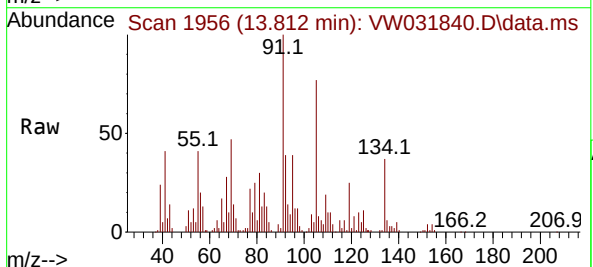
Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#89
n-Butylbenzene
Concen: 3.332 ug/l m
RT: 13.812 min Scan# 1956
Delta R.T. -0.006 min
Lab File: VW031840.D
Acq: 14 Jul 2025 11:16

Tgt Ion: 91 Resp: 26880
Ion Ratio Lower Upper
91 100
92 60.1 27.2 81.5
134 0.0 12.2 36.6#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

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_W\Method\82W063025S.M
Title : SW846 8260

Signal : TIC: VW031840.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.076	185	195	215	rBV	580898	1669675	9.19%	1.134%
2	4.155	359	372	393	rBV2	115481	439597	2.42%	0.299%
3	4.936	482	500	504	rBV3	536046	1901067	10.46%	1.292%
4	5.466	568	587	624	rBV	1536297	5900412	32.47%	4.009%
5	5.966	656	669	686	rVB2	127992	401645	2.21%	0.273%
6	6.313	715	726	738	rBV2	74845	235547	1.30%	0.160%
7	6.746	784	797	810	rBV4	158298	551578	3.04%	0.375%
8	6.899	810	822	829	rVV2	305627	1004608	5.53%	0.683%
9	7.002	829	839	860	rVV	4700868	14785699	81.37%	10.045%
10	7.191	861	870	887	rVB3	76465	268503	1.48%	0.182%
11	7.716	948	956	973	rVB2	155669	453450	2.50%	0.308%
12	7.972	973	998	1005	rBV3	3018902	9581725	52.73%	6.510%
13	8.045	1005	1010	1022	rVB	1048698	2688628	14.80%	1.827%
14	8.167	1022	1030	1036	rBV	1140530	2649625	14.58%	1.800%
15	8.234	1036	1041	1050	rVB	741383	1840052	10.13%	1.250%
16	8.319	1050	1055	1064	rVB	151246	354815	1.95%	0.241%
17	8.447	1064	1076	1082	rBV2	3086112	7776150	42.79%	5.283%
18	8.514	1082	1087	1093	rVV2	2647606	6082819	33.48%	4.132%
19	8.587	1093	1099	1110	rVB	3172409	7356657	40.49%	4.998%
20	8.703	1110	1118	1129	rVB	307486	662505	3.65%	0.450%
21	8.849	1131	1142	1147	rBV2	850406	1960372	10.79%	1.332%
22	9.075	1173	1179	1183	rBV	93389	194263	1.07%	0.132%
23	9.124	1183	1187	1205	rVB2	163724	388768	2.14%	0.264%
24	9.343	1207	1223	1239	rBV	6602085	18171098	100.00%	12.345%
25	9.520	1239	1252	1259	rBV	1225256	2401960	13.22%	1.632%
26	9.612	1259	1267	1275	rVB	1019812	2082366	11.46%	1.415%
27	9.758	1281	1291	1300	rVB2	1605898	3472582	19.11%	2.359%
28	9.855	1300	1307	1311	rBV	684506	1338685	7.37%	0.909%
29	9.904	1311	1315	1320	rVB2	317877	557706	3.07%	0.379%
30	9.959	1320	1324	1328	rBV2	166453	230731	1.27%	0.157%
31	10.087	1338	1345	1358	rBV3	494653	1271091	7.00%	0.864%
32	10.209	1358	1365	1368	rBV	476836	890228	4.90%	0.605%
33	10.246	1368	1371	1376	rVB2	282626	474246	2.61%	0.322%
34	10.325	1376	1384	1388	rBV2	2256722	4458912	24.54%	3.029%
35	10.361	1388	1390	1399	rVB2	653975	983332	5.41%	0.668%
36	10.447	1399	1404	1407	rBV	349416	600191	3.30%	0.408%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

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_W\Method\82W063025S.M
Title : SW846 8260

37	10.502	1407	1413	1422	rVB6	975232	2720301	14.97%	1.848%
38	10.617	1423	1432	1435	rBV3	157828	363531	2.00%	0.247%
39	10.666	1435	1440	1447	rVB	1182395	2070326	11.39%	1.407%
40	10.758	1447	1455	1462	rBV4	815630	1961150	10.79%	1.332%
41	10.849	1465	1470	1475	rVB3	132029	254061	1.40%	0.173%
42	10.934	1475	1484	1489	rBV5	110401	264123	1.45%	0.179%
43	11.014	1489	1497	1501	rBV4	164760	443910	2.44%	0.302%
44	11.105	1508	1512	1515	rBV3	172634	284586	1.57%	0.193%
45	11.142	1515	1518	1521	rVV2	264993	457947	2.52%	0.311%
46	11.178	1521	1524	1528	rVV	560151	804568	4.43%	0.547%
47	11.233	1528	1533	1538	rVB	897620	1573797	8.66%	1.069%
48	11.331	1545	1549	1555	rVB2	249027	435705	2.40%	0.296%
49	11.434	1555	1566	1575	rVB3	232557	525801	2.89%	0.357%
50	11.550	1581	1585	1593	rVB4	84919	181778	1.00%	0.123%
51	11.629	1593	1598	1609	rBV	655924	1302536	7.17%	0.885%
52	11.721	1609	1613	1617	rBV	218826	313815	1.73%	0.213%
53	11.837	1623	1632	1635	rBV2	278399	717324	3.95%	0.487%
54	11.873	1635	1638	1643	rVB3	137984	187784	1.03%	0.128%
55	12.038	1659	1665	1674	rBV3	85101	187742	1.03%	0.128%
56	12.135	1674	1681	1689	rBV3	331474	908077	5.00%	0.617%
57	12.245	1693	1699	1703	rVB2	149476	331669	1.83%	0.225%
58	12.337	1709	1714	1719	rVV2	408691	881820	4.85%	0.599%
59	12.379	1719	1721	1725	rVV	201978	312600	1.72%	0.212%
60	12.459	1729	1734	1739	rVB	327694	548226	3.02%	0.372%
61	12.617	1754	1760	1767	rBV	420996	746335	4.11%	0.507%
62	12.696	1767	1773	1778	rBV2	164020	291657	1.61%	0.198%
63	12.800	1781	1790	1795	rBV2	604248	1685528	9.28%	1.145%
64	12.861	1795	1800	1803	rBV4	165048	308313	1.70%	0.209%
65	12.940	1808	1813	1818	rVB4	445942	885976	4.88%	0.602%
66	13.099	1826	1839	1845	rBV2	350989	933757	5.14%	0.634%
67	13.166	1845	1850	1858	rVB6	229126	534024	2.94%	0.363%
68	13.251	1858	1864	1868	rBV	521281	895335	4.93%	0.608%
69	13.440	1889	1895	1899	rVV5	163585	357687	1.97%	0.243%
70	13.483	1899	1902	1909	rVV6	106279	219720	1.21%	0.149%
71	13.556	1909	1914	1922	rVB2	460630	1077040	5.93%	0.732%
72	13.708	1931	1939	1942	rBV4	126447	344329	1.89%	0.234%
73	13.751	1942	1946	1950	rVV2	301076	489506	2.69%	0.333%
74	13.794	1950	1953	1961	rVB4	165997	351012	1.93%	0.238%
75	13.873	1961	1966	1972	rBV2	465948	846811	4.66%	0.575%
76	14.092	1997	2002	2006	rBV	329445	488335	2.69%	0.332%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

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_W\Method\82W063025S.M
Title : SW846 8260

77	14.202	2014	2020	2025	rBV2	568056	916975	5.05%	0.623%
78	14.336	2036	2042	2046	rBV4	163768	307510	1.69%	0.209%
79	14.379	2046	2049	2052	rVV2	207223	313893	1.73%	0.213%
80	14.416	2052	2055	2058	rVV3	164136	241784	1.33%	0.164%
81	14.452	2058	2061	2064	rVB	253190	307658	1.69%	0.209%
82	14.495	2064	2068	2071	rBV	238074	297795	1.64%	0.202%
83	14.537	2071	2075	2082	rVB4	192658	407152	2.24%	0.277%
84	14.635	2082	2091	2095	rVB2	298292	555484	3.06%	0.377%
85	14.690	2095	2100	2103	rBV3	225637	465386	2.56%	0.316%
86	14.726	2103	2106	2110	rVB	254362	360014	1.98%	0.245%
87	14.787	2110	2116	2132	rBV4	867871	2726443	15.00%	1.852%
88	15.019	2150	2154	2155	rVV3	143461	199003	1.10%	0.135%
89	15.056	2155	2160	2164	rVV3	472245	1035564	5.70%	0.704%
90	15.092	2164	2166	2172	rVV3	285509	552850	3.04%	0.376%
91	15.171	2172	2179	2188	rVB4	570441	1327766	7.31%	0.902%
92	15.318	2197	2203	2212	rVB5	402881	861189	4.74%	0.585%
93	15.458	2221	2226	2230	rVV	208802	352762	1.94%	0.240%
94	15.513	2231	2235	2239	rVV2	119723	195001	1.07%	0.132%
95	15.647	2249	2257	2263	rBV4	163787	409092	2.25%	0.278%
96	15.806	2278	2283	2288	rVB4	106873	246983	1.36%	0.168%
97	16.007	2310	2316	2322	rBV4	95278	254136	1.40%	0.173%
98	16.159	2333	2341	2346	rBV4	115348	290711	1.60%	0.198%

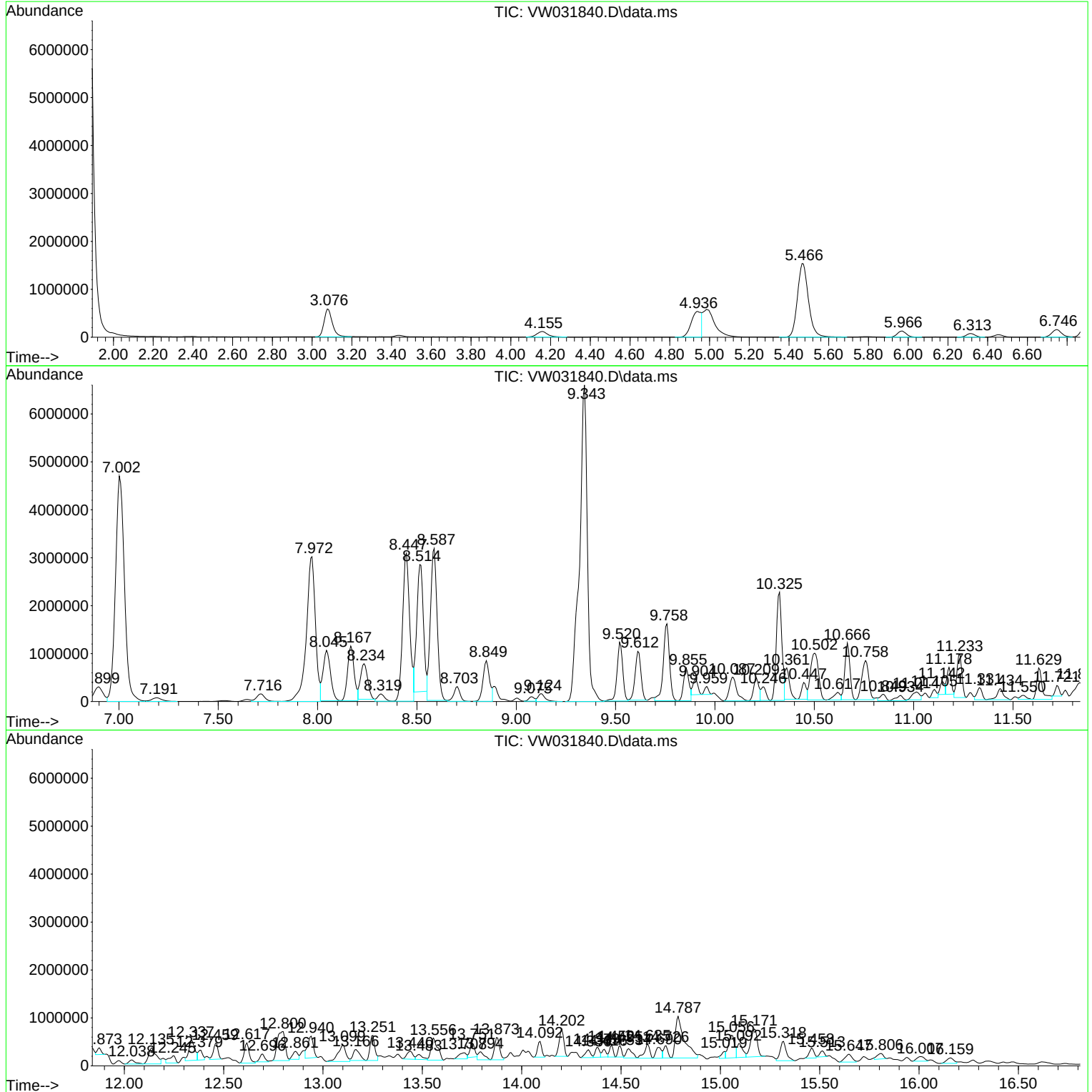
Sum of corrected areas: 147194981

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

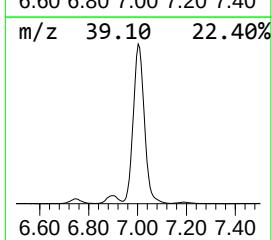
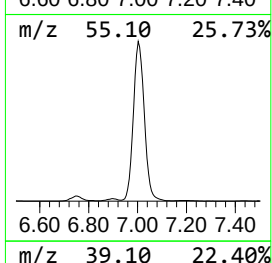
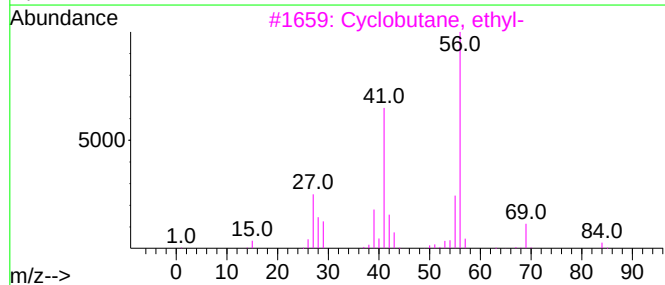
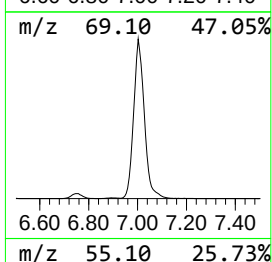
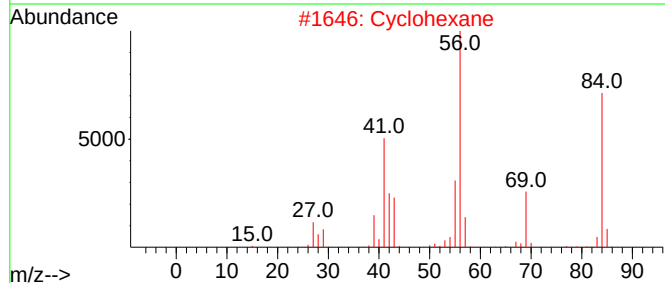
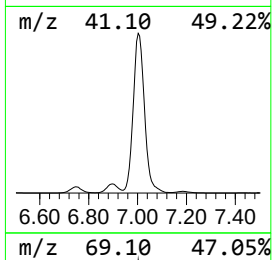
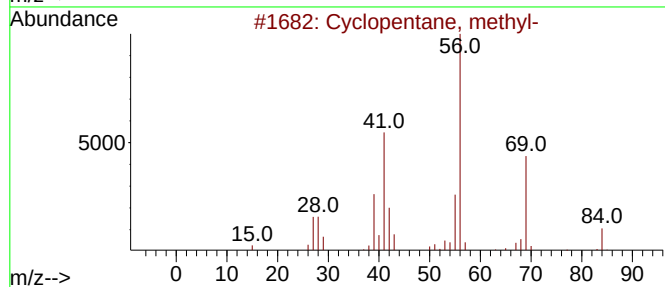
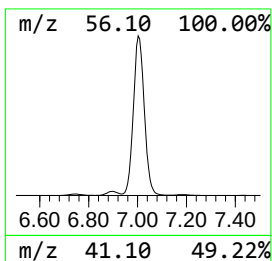
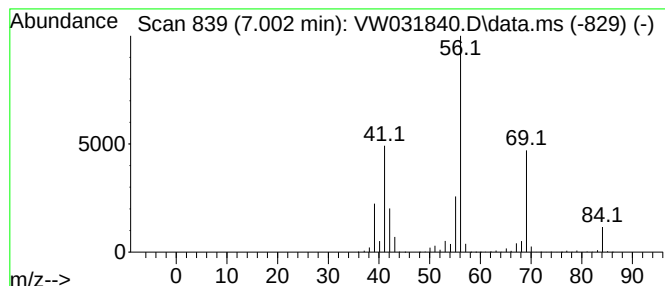
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 1 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.002	77.16 ug/l	14785700	Pentafluorobenzene	7.959

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2			Cyclohexane	84	C6H12	000110-82-7	78
3			Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4			1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

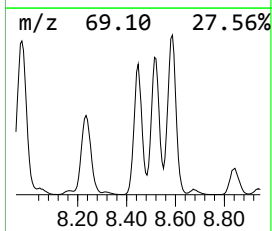
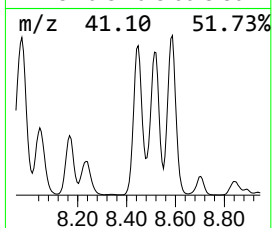
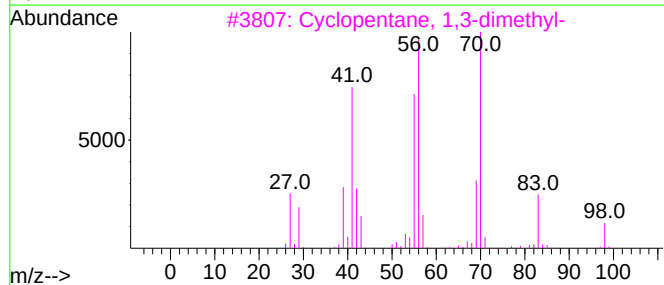
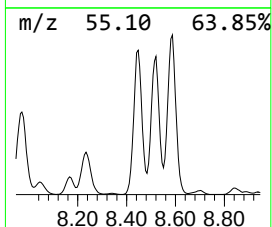
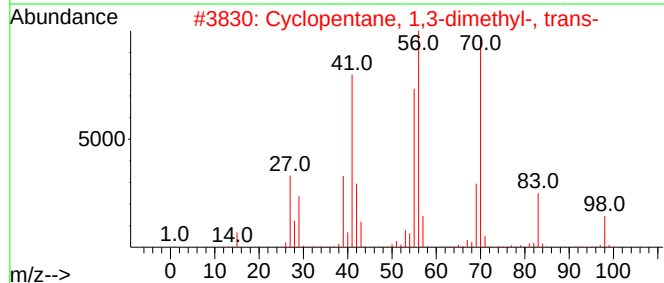
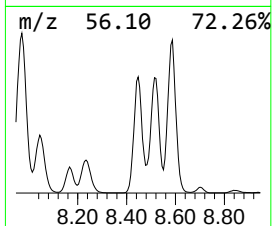
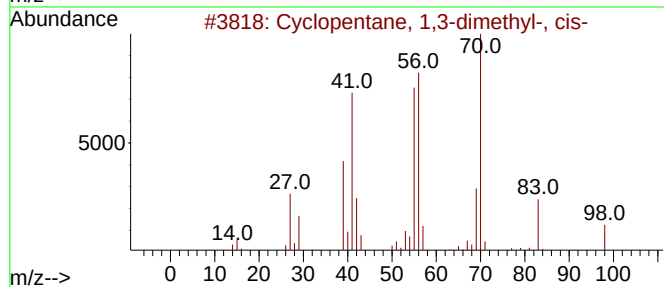
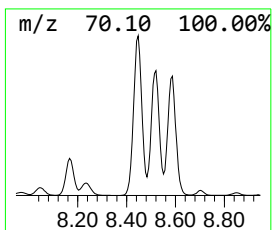
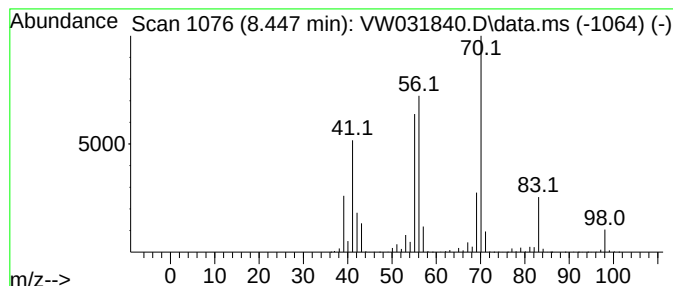
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Quant Title : SW846 8260

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

Peak Number 2 Cyclopentane, 1,3-dimethyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.447	198.33 ug/l	7776150	1,4-Difluorobenzene	8.849

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
3			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
5			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

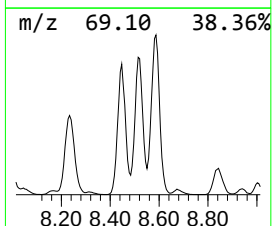
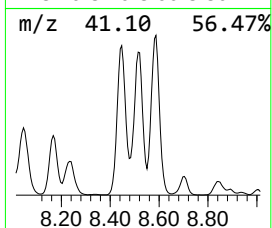
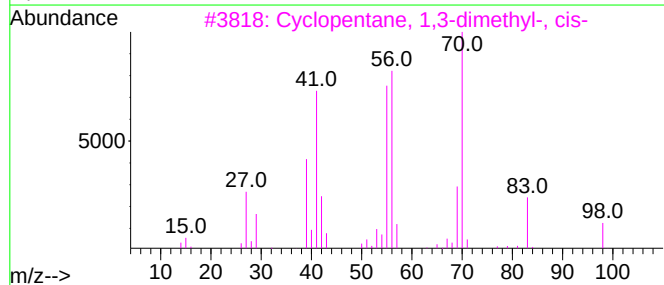
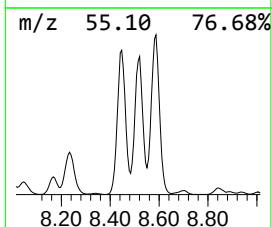
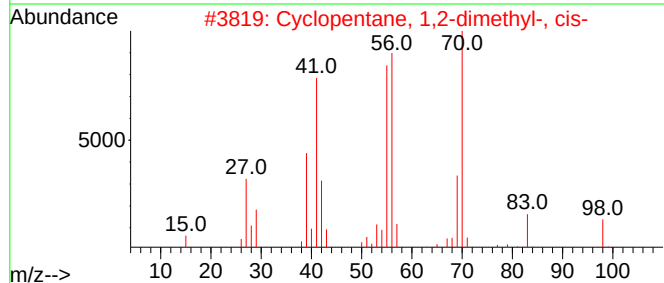
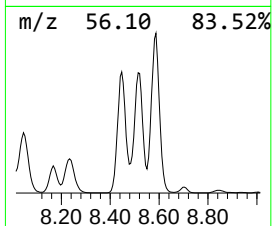
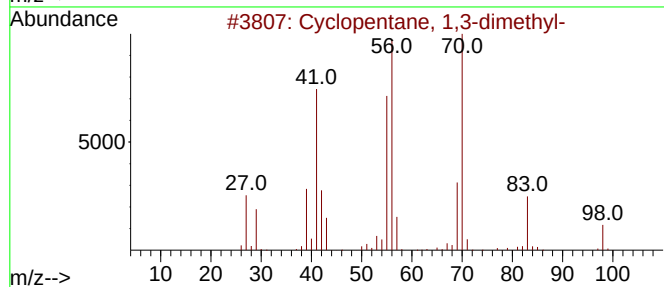
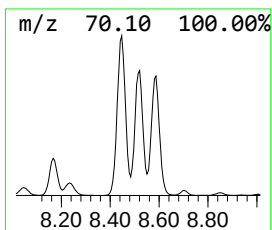
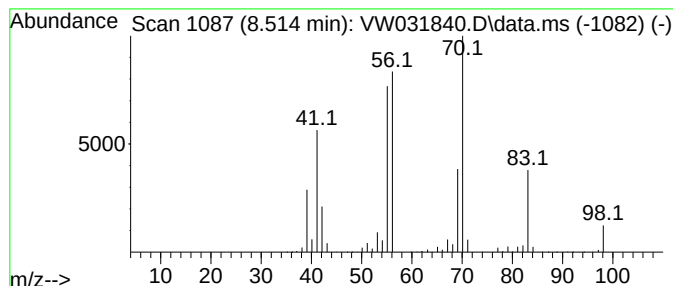
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Quant Title : SW846 8260

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

Peak Number 3 Cyclopentane, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.514	155.15 ug/l	6082820	1,4-Difluorobenzene	8.849

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
2			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
3			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
4			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
5			Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

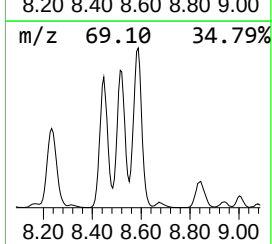
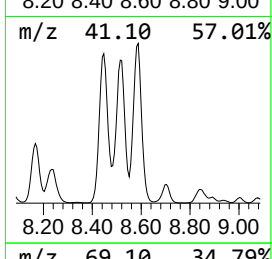
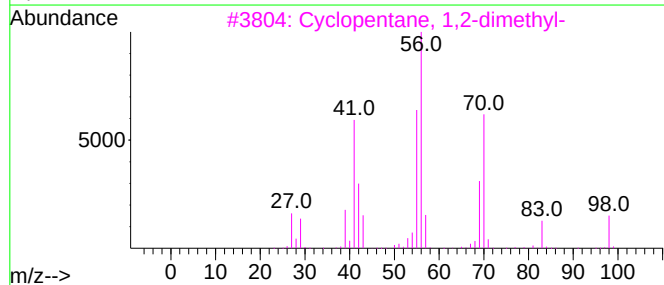
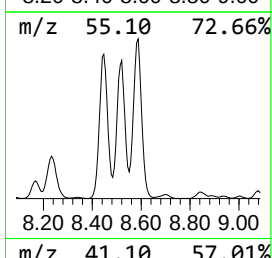
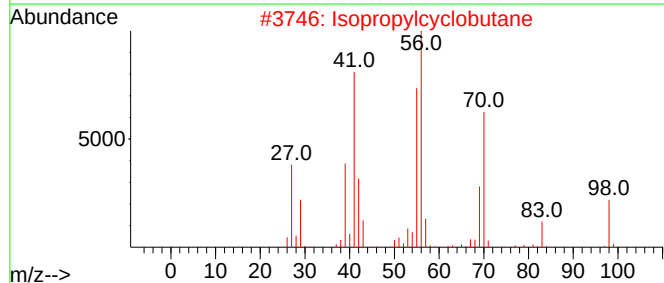
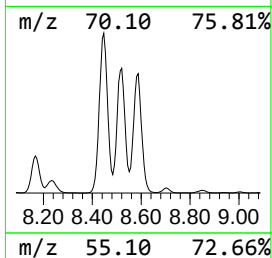
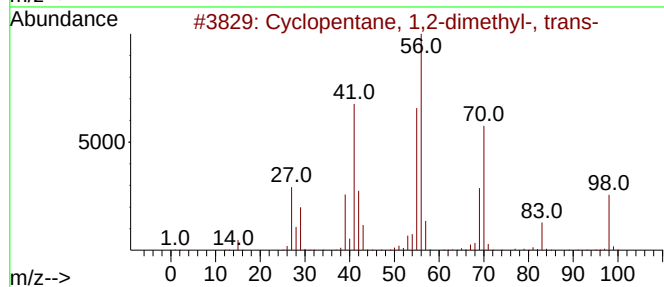
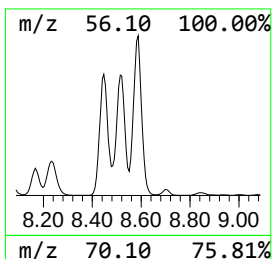
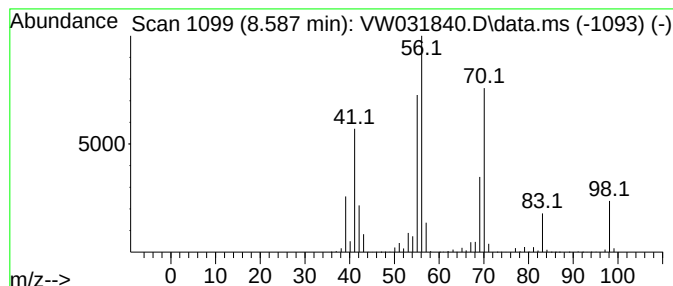
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Quant Title : SW846 8260

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

Peak Number 4 Cyclopentane, 1,2-dimethyl-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.587	187.63 ug/l	7356660	1,4-Difluorobenzene	8.849

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2		Isopropylcyclobutane	98	C7H14	000872-56-0	94
3		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	59
5		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	59



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

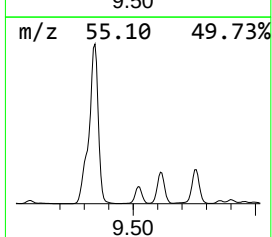
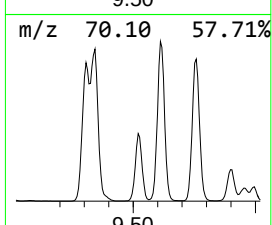
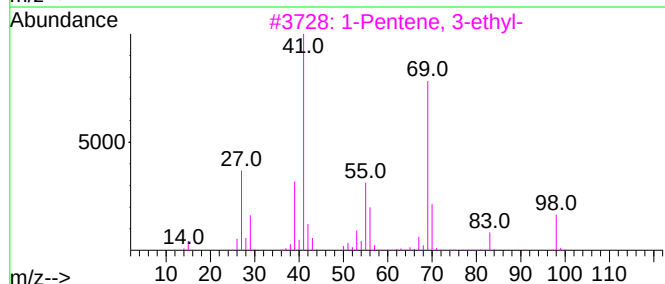
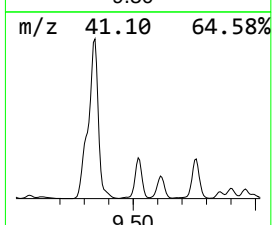
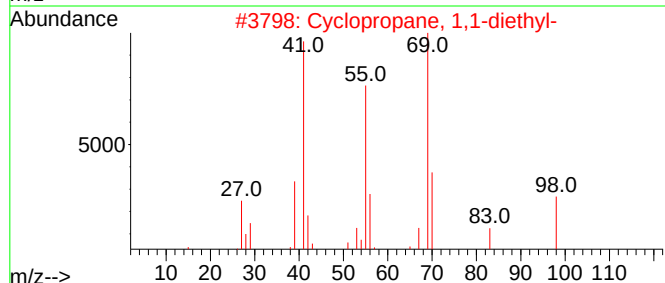
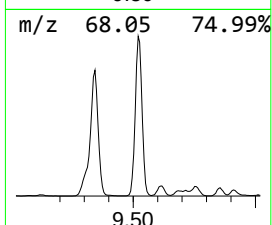
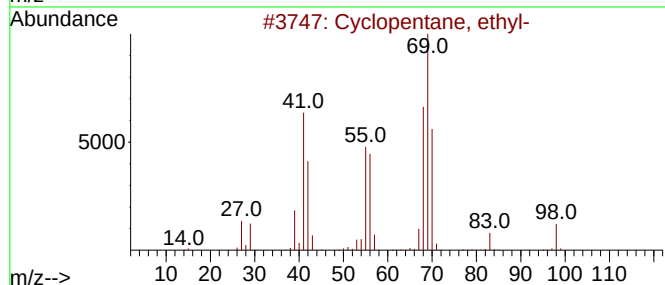
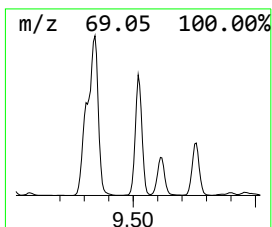
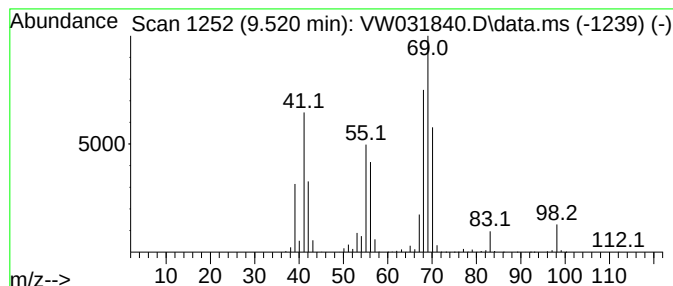
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.520	61.26 ug/l	2401960	1,4-Difluorobenzene	8.849

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, ethyl-	98	C7H14	001640-89-7	95
2			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43
3			1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	43
4			3-Methyl-2-hexene	98	C7H14	017618-77-8	43
5			(Z)-4-Methyl-2-hexene	98	C7H14	003683-19-0	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

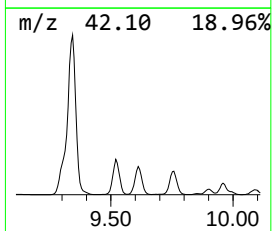
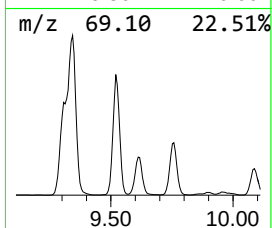
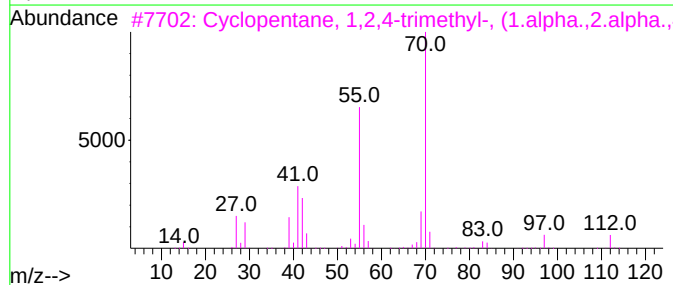
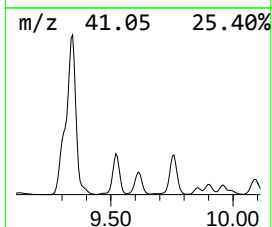
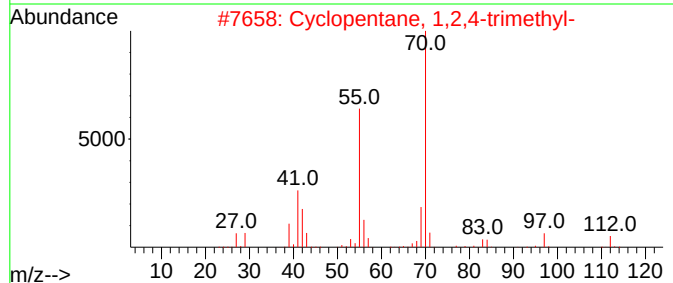
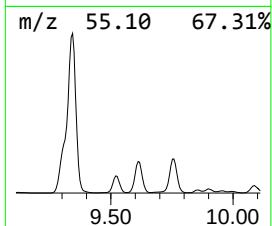
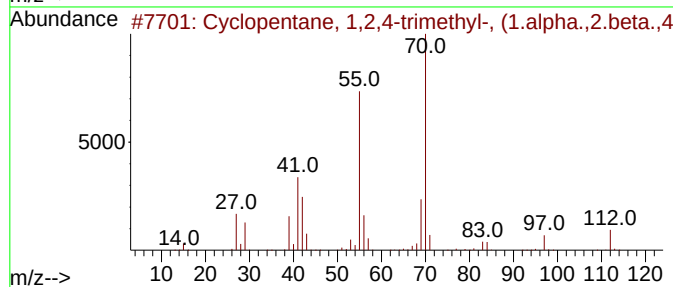
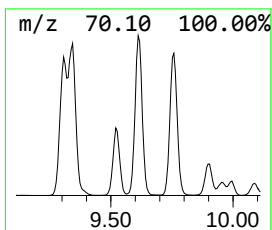
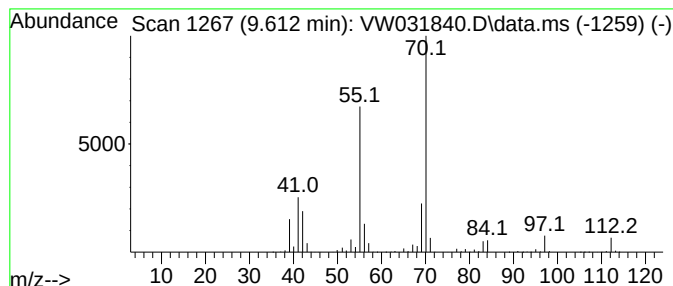
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Quant Title : SW846 8260

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

Peak Number 6 Cyclopentane, 1,2,4-trimeth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.612	53.11 ug/l	2082370	1,4-Difluorobenzene	8.849

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	94
2			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	94
3			Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	83
4			2-Heptene, 3-methyl-	112	C8H16	003404-75-9	80
5			Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

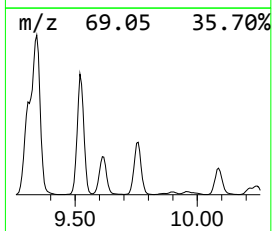
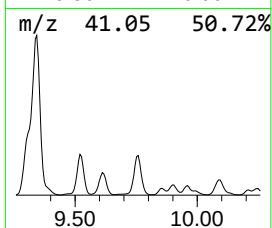
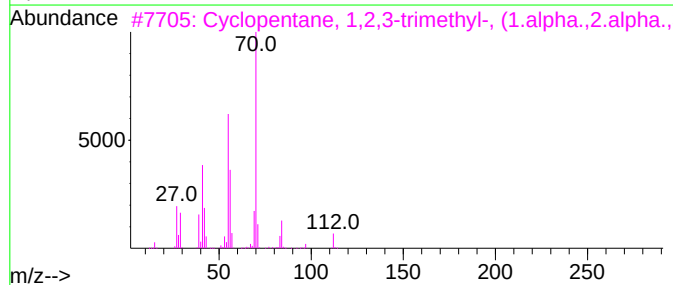
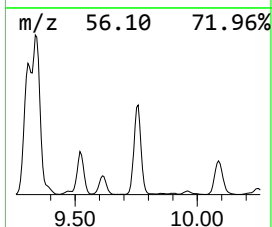
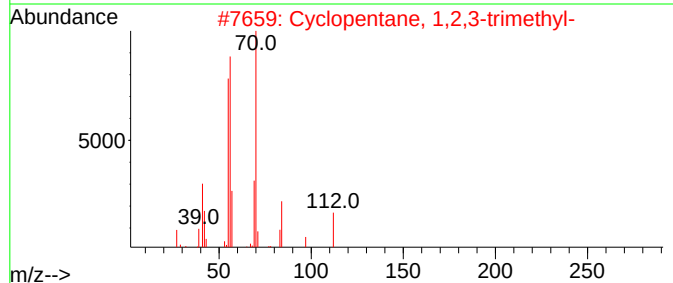
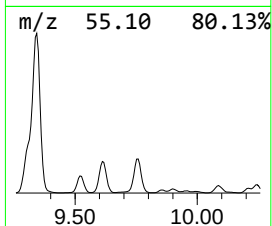
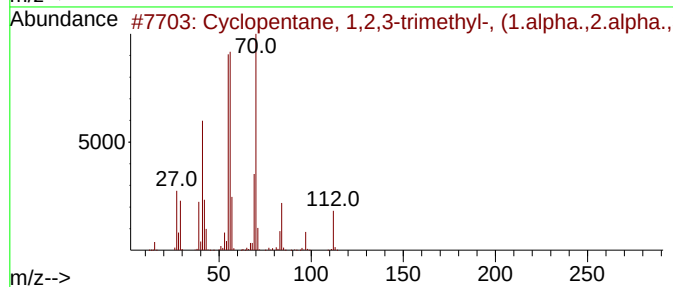
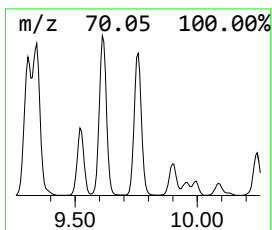
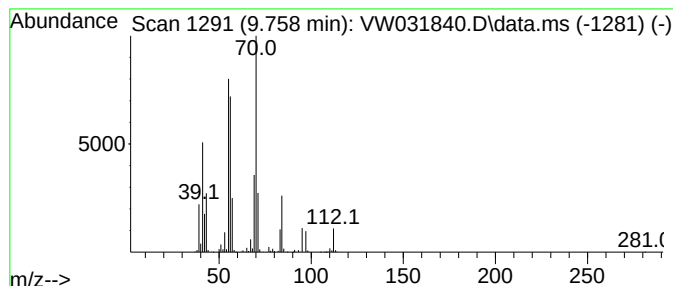
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Quant Title : SW846 8260

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

Peak Number 7 Cyclopentane, 1,2,3-trimeth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.758	88.57 ug/l	3472580	1,4-Difluorobenzene	8.849

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
2			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
3			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	64
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	53
5			Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

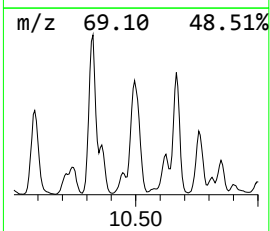
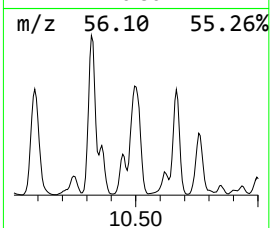
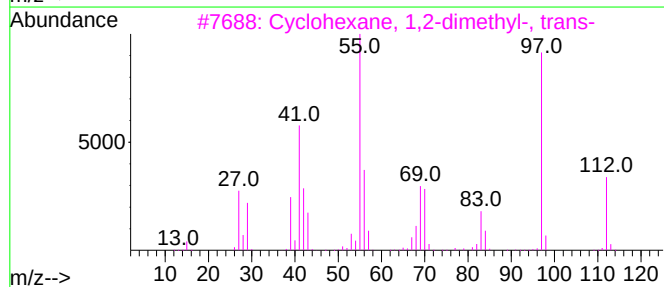
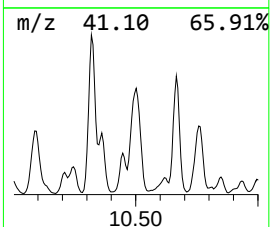
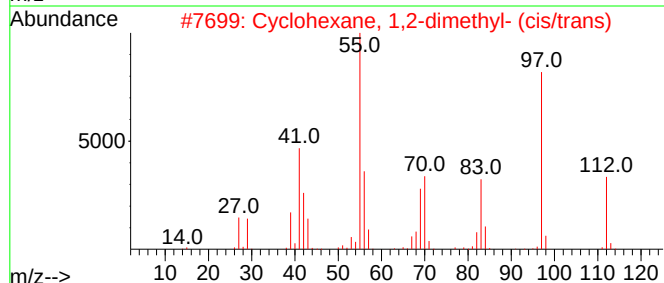
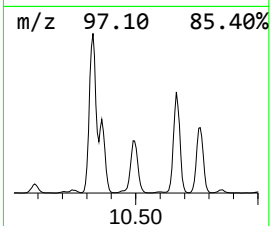
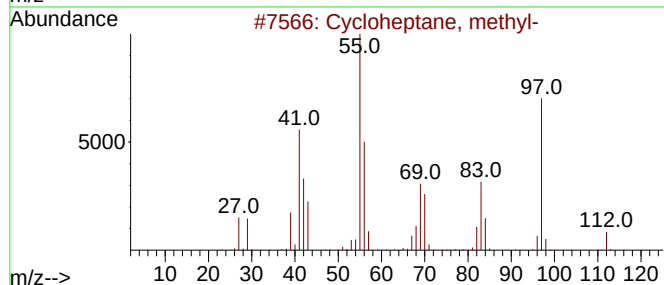
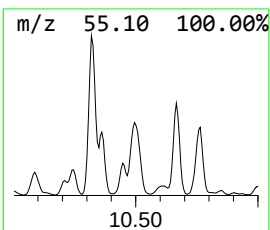
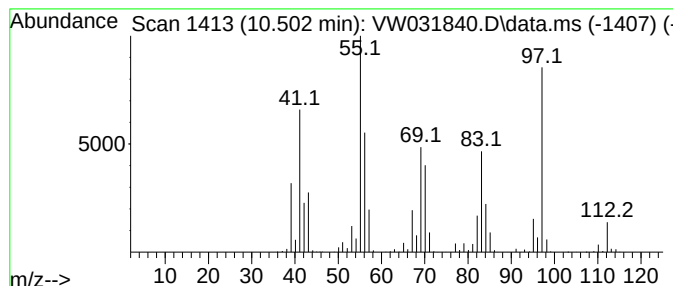
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Quant Title : SW846 8260

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

Peak Number 8 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.502	104.42 ug/l	2720300	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cycloheptane, methyl-	112	C8H16	004126-78-7	87
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	68
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	68
4			1H-Pyrazol-4-amine, 3-methyl-	97	C4H7N3	1010338-28-2	49
5			3-Octene, (Z)-	112	C8H16	014850-22-7	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

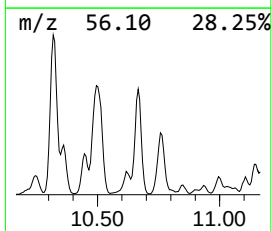
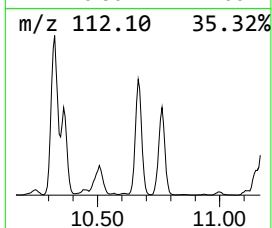
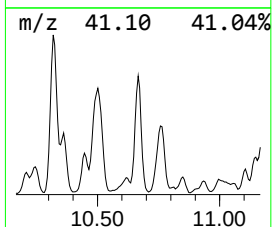
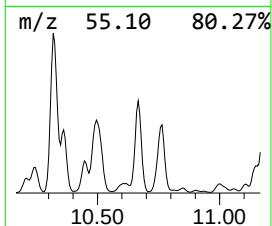
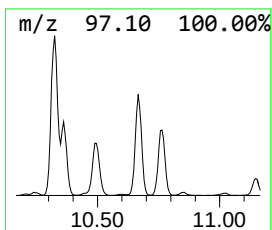
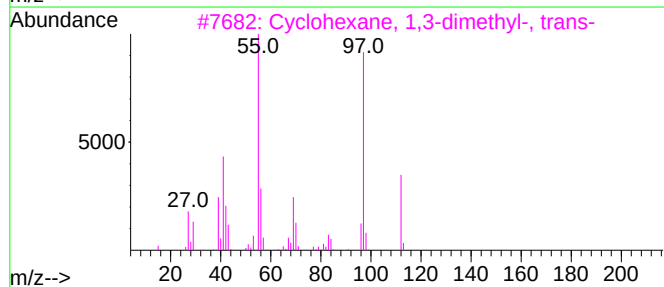
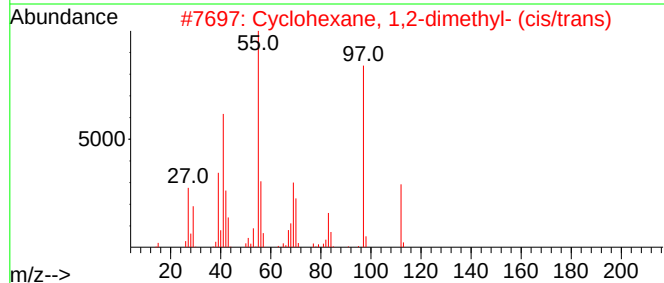
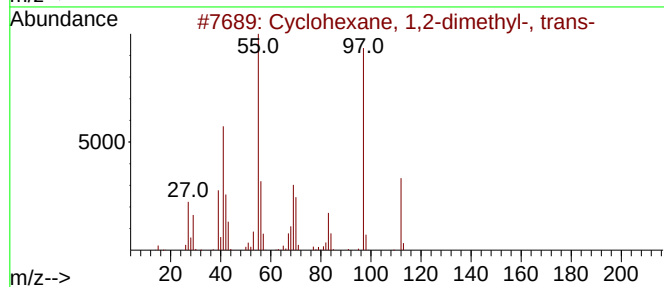
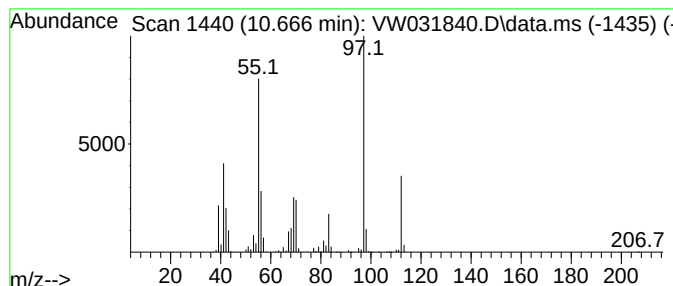
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Quant Title : SW846 8260

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

Peak Number 9 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	79.47 ug/l	2070330	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
3			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
5			Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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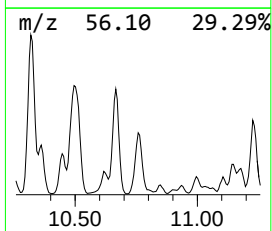
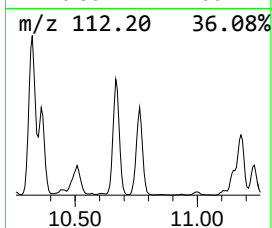
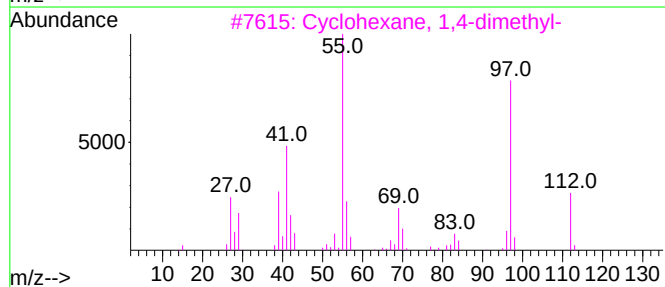
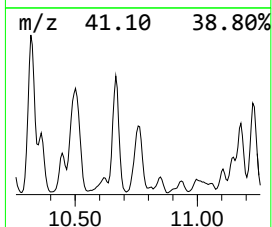
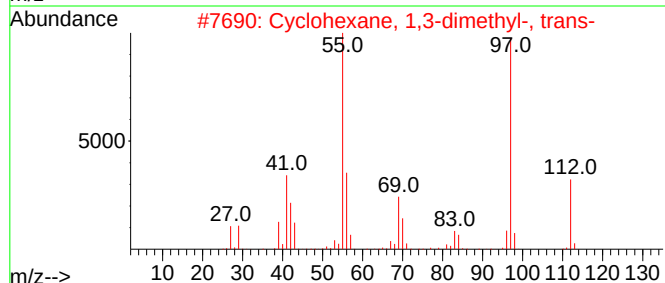
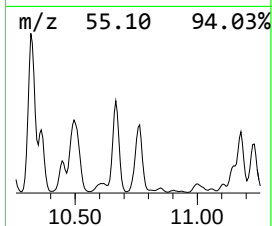
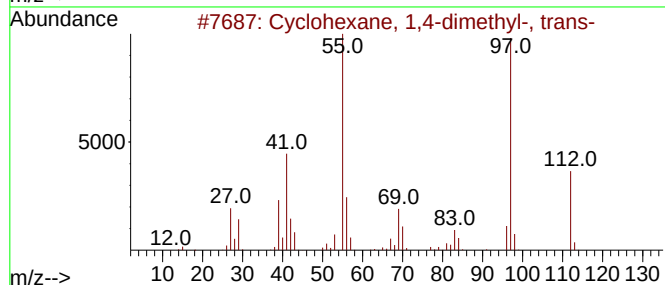
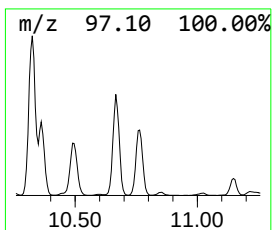
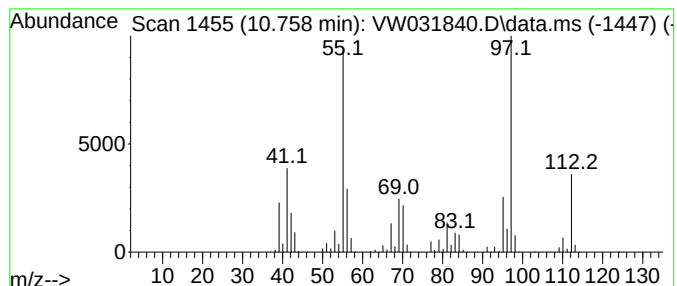
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Quant Title : SW846 8260

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

Peak Number 10 Cyclohexane, 1,4-dimethyl-,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.758	75.28 ug/l	1961150	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
2			Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3			Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	87
4			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	81
5			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

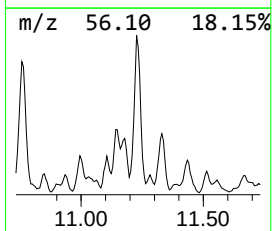
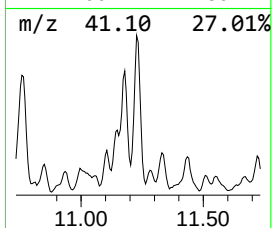
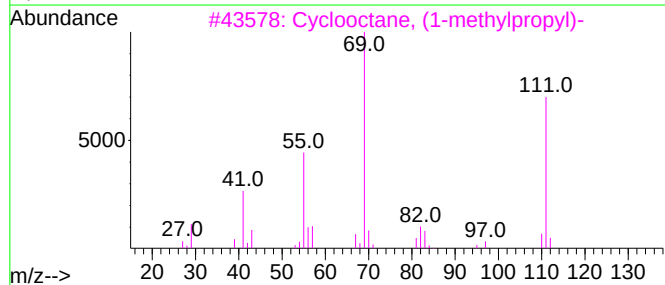
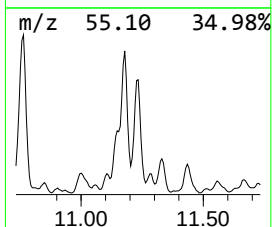
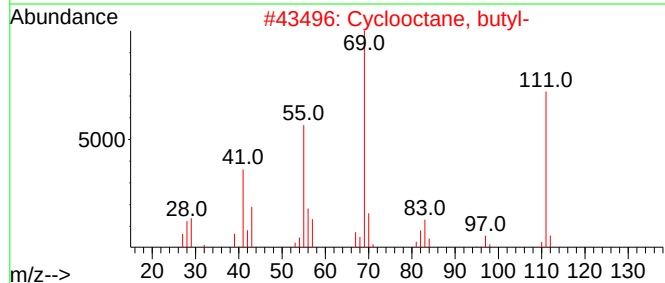
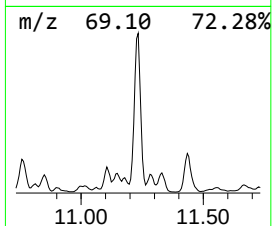
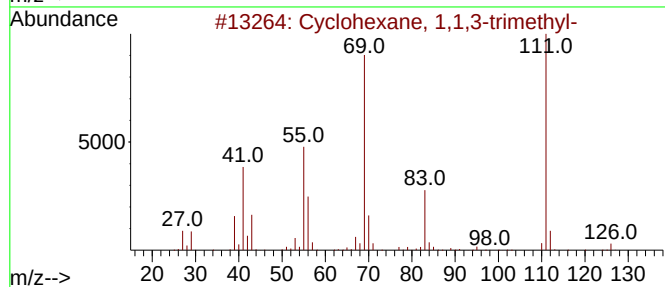
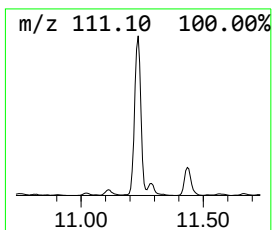
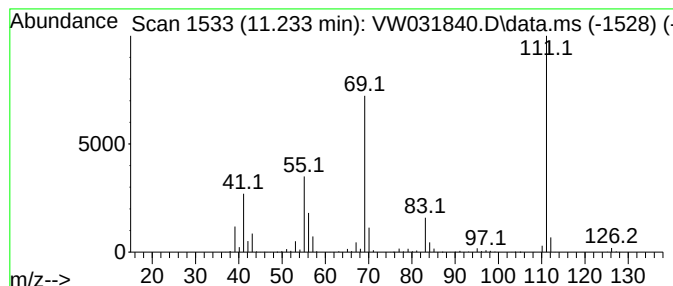
Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 11 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.233	60.41 ug/l	1573800	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	92
2	Cyclooctane, butyl-	168	C12H24	016538-93-5	74
3	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	72
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	64
5	Cyclohexane, 1,2,4-trimethyl-, (...)	126	C9H18	007667-60-9	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

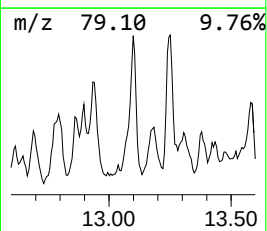
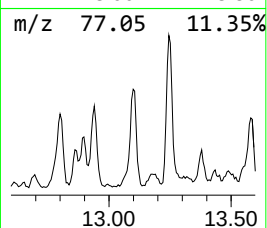
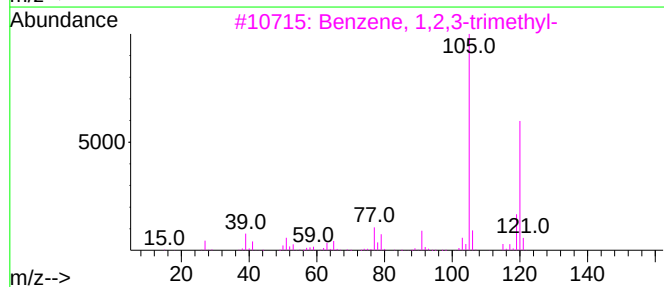
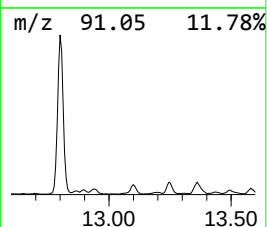
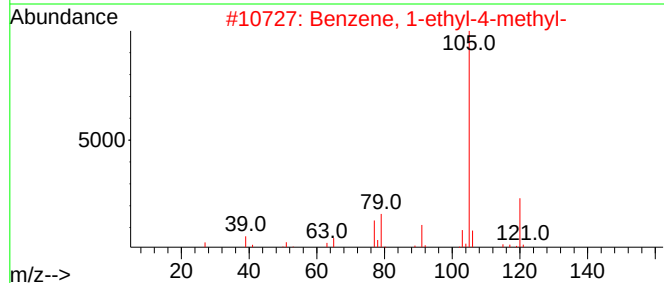
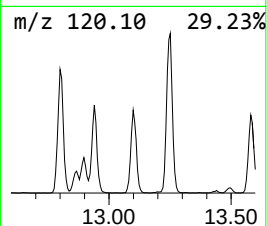
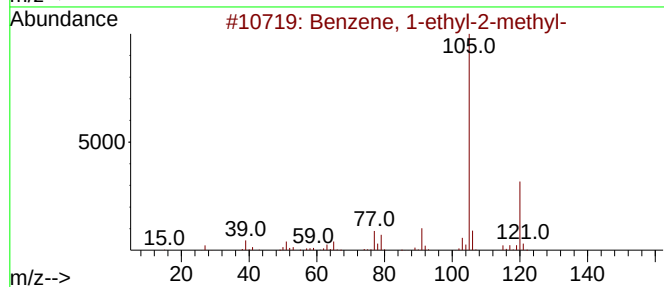
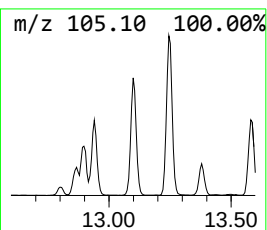
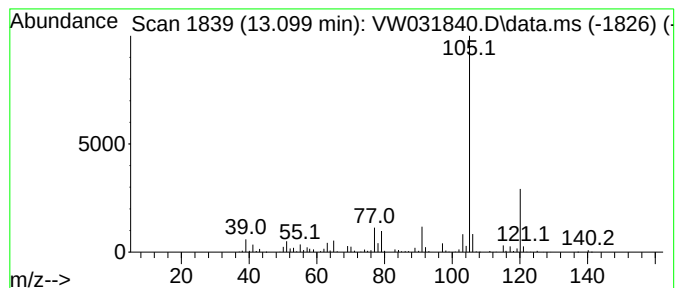
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Quant Title : SW846 8260

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

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.099	43.35 ug/l	933757	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5			Mesitylene	120	C9H12	000108-67-8	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

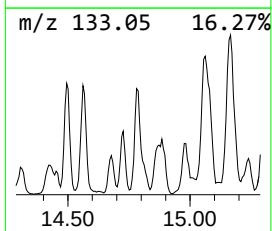
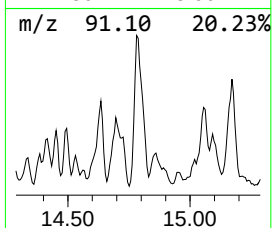
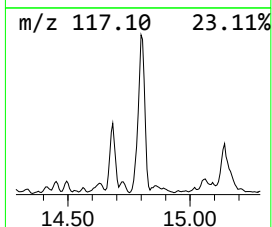
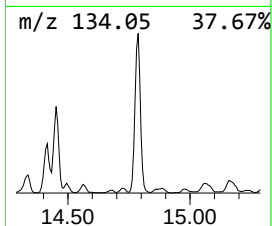
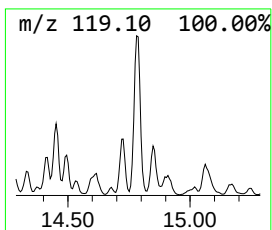
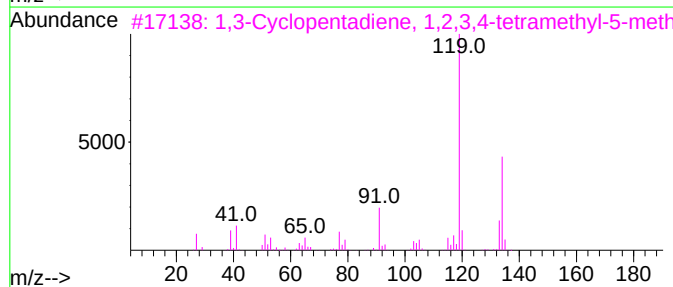
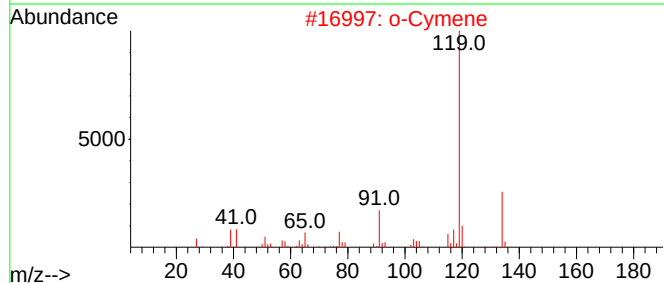
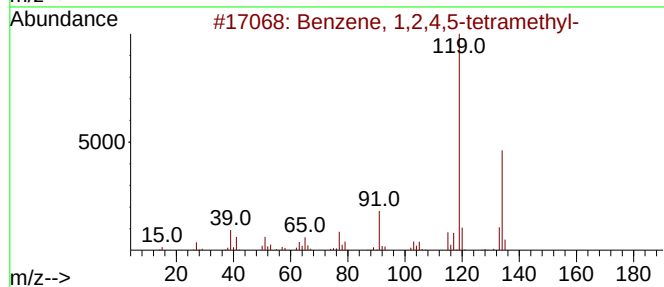
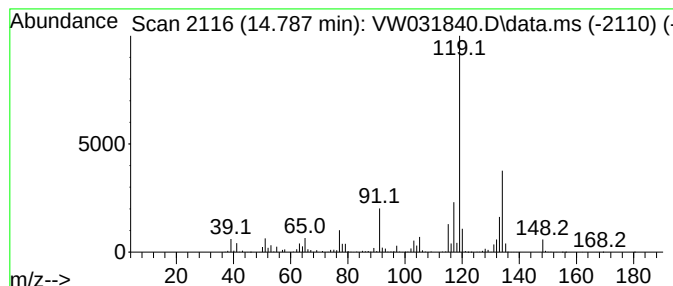
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Quant Title : SW846 8260

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

Peak Number 13 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.787	126.57 ug/l	2726440	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2		o-Cymene	134	C10H14	000527-84-4	93
3		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

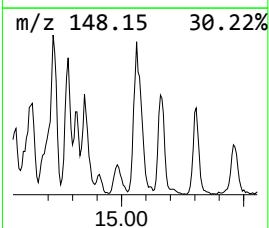
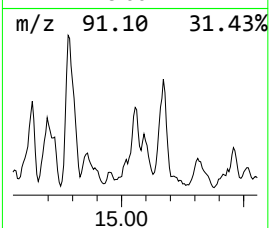
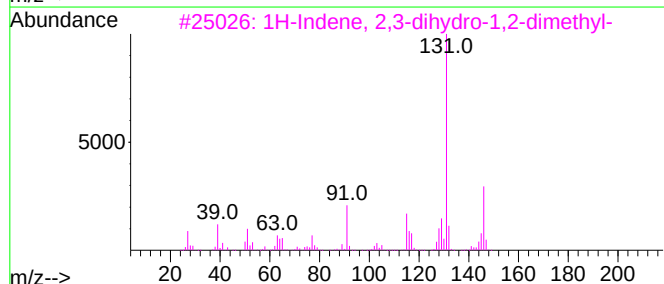
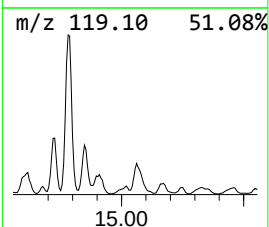
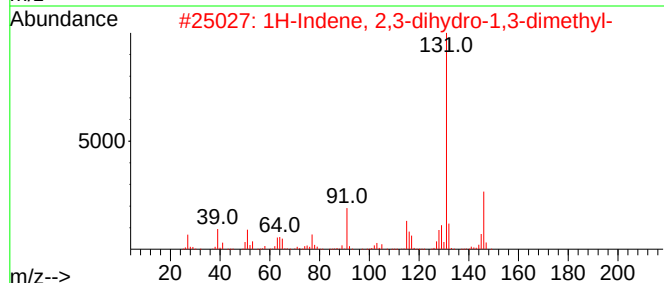
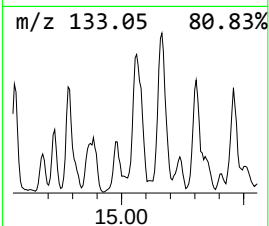
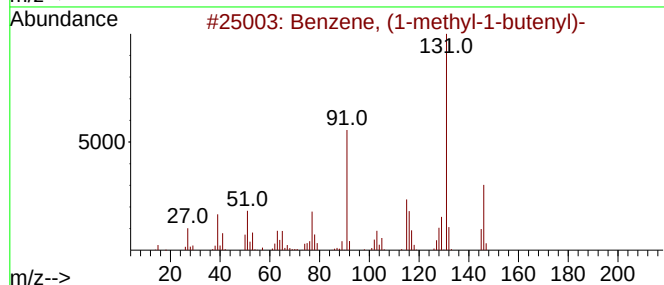
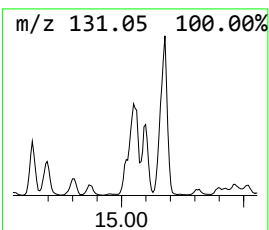
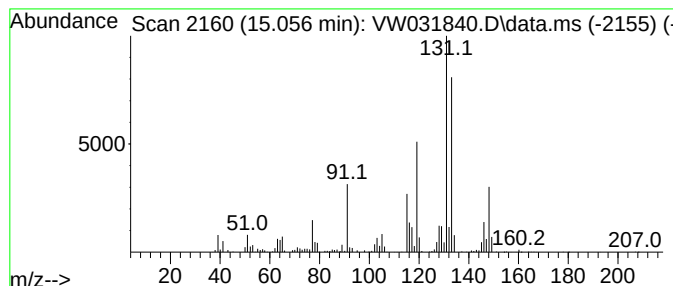
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Quant Title : SW846 8260

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

Peak Number 14 Benzene, (1-methyl-1-butenyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	48.07 ug/l	1035560	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
2			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	86
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
4			Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	55
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

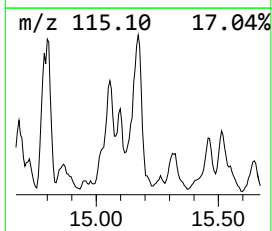
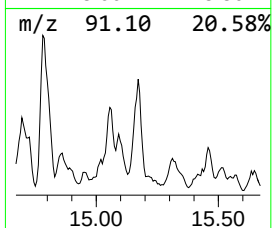
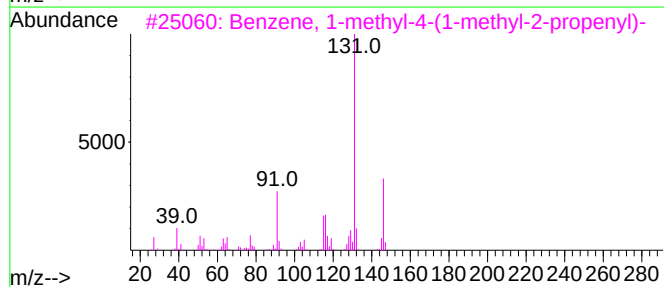
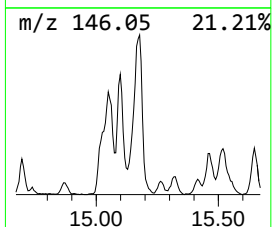
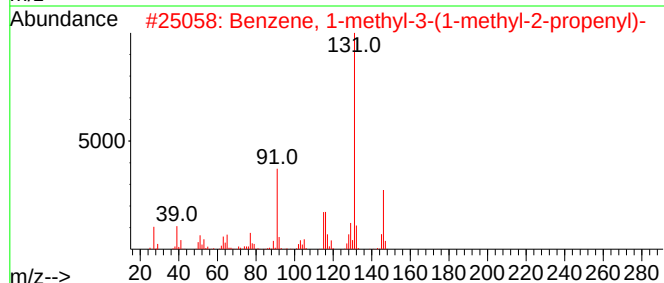
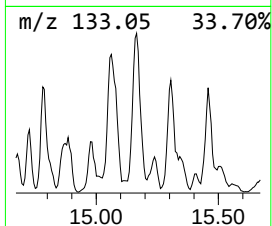
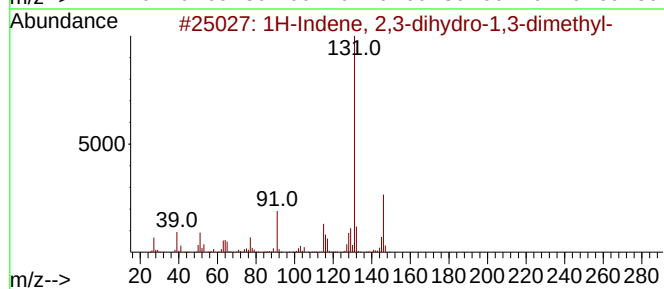
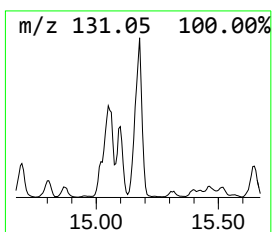
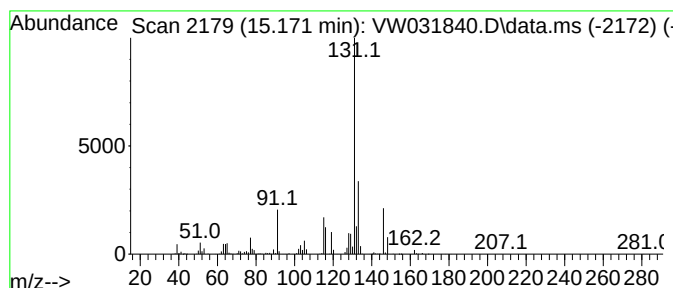
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 15 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.172	61.64 ug/l	1327770	1,4-Dichlorobenzene-d4	13.556

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76
2			Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	74
3			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	74
4			Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	74
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	68



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031840.D
Acq On : 14 Jul 2025 11:16
Operator : SY/MD
Sample : Q2503-03
Misc : 4.83g/5mL/MSVOA_W/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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
Cyclopentane, m...	7.002	77.2	ug/l	14785700	1	7.959	9581730	50.0
Cyclopentane, 1...	8.447	198.3	ug/l	7776150	2	8.849	1960370	50.0
Cyclopentane, 1...	8.514	155.2	ug/l	6082820	2	8.849	1960370	50.0
Cyclopentane, 1...	8.587	187.6	ug/l	7356660	2	8.849	1960370	50.0
Cyclopentane, e...	9.520	61.3	ug/l	2401960	2	8.849	1960370	50.0
Cyclopentane, 1...	9.612	53.1	ug/l	2082370	2	8.849	1960370	50.0
Cyclopentane, 1...	9.758	88.6	ug/l	3472580	2	8.849	1960370	50.0
Cyclohexane, 1...	10.502	104.4	ug/l	2720300	3	11.629	1302540	50.0
Cyclohexane, 1...	10.666	79.5	ug/l	2070330	3	11.629	1302540	50.0
Cyclohexane, 1...	10.758	75.3	ug/l	1961150	3	11.629	1302540	50.0
Cyclohexane, 1...	11.233	60.4	ug/l	1573800	3	11.629	1302540	50.0
Benzene, 1-ethy...	13.099	43.4	ug/l	933757	4	13.556	1077040	50.0
Benzene, 1,2,4...	14.787	126.6	ug/l	2726440	4	13.556	1077040	50.0
Benzene, (1-met...	15.056	48.1	ug/l	1035560	4	13.556	1077040	50.0
1H-Indene, 2,3-...	15.172	61.6	ug/l	1327770	4	13.556	1077040	50.0

Report of Analysis

Client:	G Environmental	Date Collected:	07/02/25
Project:	Capra	Date Received:	07/03/25
Client Sample ID:	GCAP2ME	SDG No.:	Q2503
Lab Sample ID:	Q2503-03ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	71.2
Sample Wt/Vol:	7.46 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047009.D	1	07/15/25 17:49	VX071525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	53.7	UD	53.7	240	ug/Kg
74-87-3	Chloromethane	53.7	UD	53.7	240	ug/Kg
75-01-4	Vinyl Chloride	37.2	UD	37.2	240	ug/Kg
74-83-9	Bromomethane	50.4	UD	50.4	240	ug/Kg
75-00-3	Chloroethane	59.3	UD	59.3	240	ug/Kg
75-69-4	Trichlorofluoromethane	57.0	UD	57.0	240	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	49.9	UD	49.9	240	ug/Kg
75-35-4	1,1-Dichloroethene	47.1	UD	47.1	240	ug/Kg
67-64-1	Acetone	220	UD	220	1200	ug/Kg
75-15-0	Carbon Disulfide	49.9	UD	49.9	240	ug/Kg
1634-04-4	Methyl tert-butyl Ether	34.4	UD	34.4	240	ug/Kg
79-20-9	Methyl Acetate	72.5	UDQ	72.5	240	ug/Kg
75-09-2	Methylene Chloride	170	UD	170	470	ug/Kg
156-60-5	trans-1,2-Dichloroethene	40.5	UD	40.5	240	ug/Kg
75-34-3	1,1-Dichloroethane	37.7	UD	37.7	240	ug/Kg
110-82-7	Cyclohexane	550	D	37.2	240	ug/Kg
78-93-3	2-Butanone	310	UDQ	310	1200	ug/Kg
56-23-5	Carbon Tetrachloride	45.7	UD	45.7	240	ug/Kg
156-59-2	cis-1,2-Dichloroethene	35.3	UD	35.3	240	ug/Kg
74-97-5	Bromochloromethane	54.1	UD	54.1	240	ug/Kg
67-66-3	Chloroform	39.5	UD	39.5	240	ug/Kg
71-55-6	1,1,1-Trichloroethane	43.8	UD	43.8	240	ug/Kg
108-87-2	Methylcyclohexane	1200	D	42.8	240	ug/Kg
71-43-2	Benzene	37.2	UD	37.2	240	ug/Kg
107-06-2	1,2-Dichloroethane	37.2	UD	37.2	240	ug/Kg
79-01-6	Trichloroethene	38.1	UD	38.1	240	ug/Kg
78-87-5	1,2-Dichloropropane	42.8	UD	42.8	240	ug/Kg
75-27-4	Bromodichloromethane	36.7	UD	36.7	240	ug/Kg
108-10-1	4-Methyl-2-Pentanone	170	UDQ	170	1200	ug/Kg
108-88-3	Toluene	36.7	UD	36.7	240	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	07/02/25
Project:	Capra	Date Received:	07/03/25
Client Sample ID:	GCAP2ME	SDG No.:	Q2503
Lab Sample ID:	Q2503-03ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	71.2
Sample Wt/Vol:	7.46 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047009.D	1	07/15/25 17:49	VX071525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	30.6	UD	30.6	240	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	29.2	UD	29.2	240	ug/Kg
79-00-5	1,1,2-Trichloroethane	43.3	UD	43.3	240	ug/Kg
591-78-6	2-Hexanone	170	UDQ	170	1200	ug/Kg
124-48-1	Dibromochloromethane	40.9	UD	40.9	240	ug/Kg
106-93-4	1,2-Dibromoethane	41.4	UD	41.4	240	ug/Kg
127-18-4	Tetrachloroethene	49.4	UD	49.4	240	ug/Kg
108-90-7	Chlorobenzene	42.8	UD	42.8	240	ug/Kg
100-41-4	Ethyl Benzene	31.5	UD	31.5	240	ug/Kg
179601-23-1	m/p-Xylenes	83.4	JD	58.4	470	ug/Kg
95-47-6	o-Xylene	38.6	UD	38.6	240	ug/Kg
100-42-5	Styrene	33.4	UD	33.4	240	ug/Kg
75-25-2	Bromoform	40.5	UD	40.5	240	ug/Kg
98-82-8	Isopropylbenzene	76.2	JD	36.7	240	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	57.0	UD	57.0	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	80.5	UD	80.5	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	73.4	UD	73.4	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	68.2	UD	68.2	240	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	86.6	UD	86.6	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	140	UD	140	240	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	150	UD	150	240	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	47.8		74 - 123	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	322000	5.556			
540-36-3	1,4-Difluorobenzene	539000	6.763			
3114-55-4	Chlorobenzene-d5	489000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	251000	12.018			



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

Report of Analysis

Client:	G Environmental		Date Collected:	07/02/25	
Project:	Capra		Date Received:	07/03/25	
Client Sample ID:	GCAP2ME		SDG No.:	Q2503	
Lab Sample ID:	Q2503-03ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	71.2	
Sample Wt/Vol:	7.46	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047009.D	1	07/15/25 17:49	VX071525

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_X\Data\VX071525\
 Data File : VX047009.D
 Acq On : 15 Jul 2025 17:49
 Operator : JC/MD
 Sample : Q2503-03ME
 Misc : 7.46g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP2ME

Quant Time: Jul 16 02:32:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

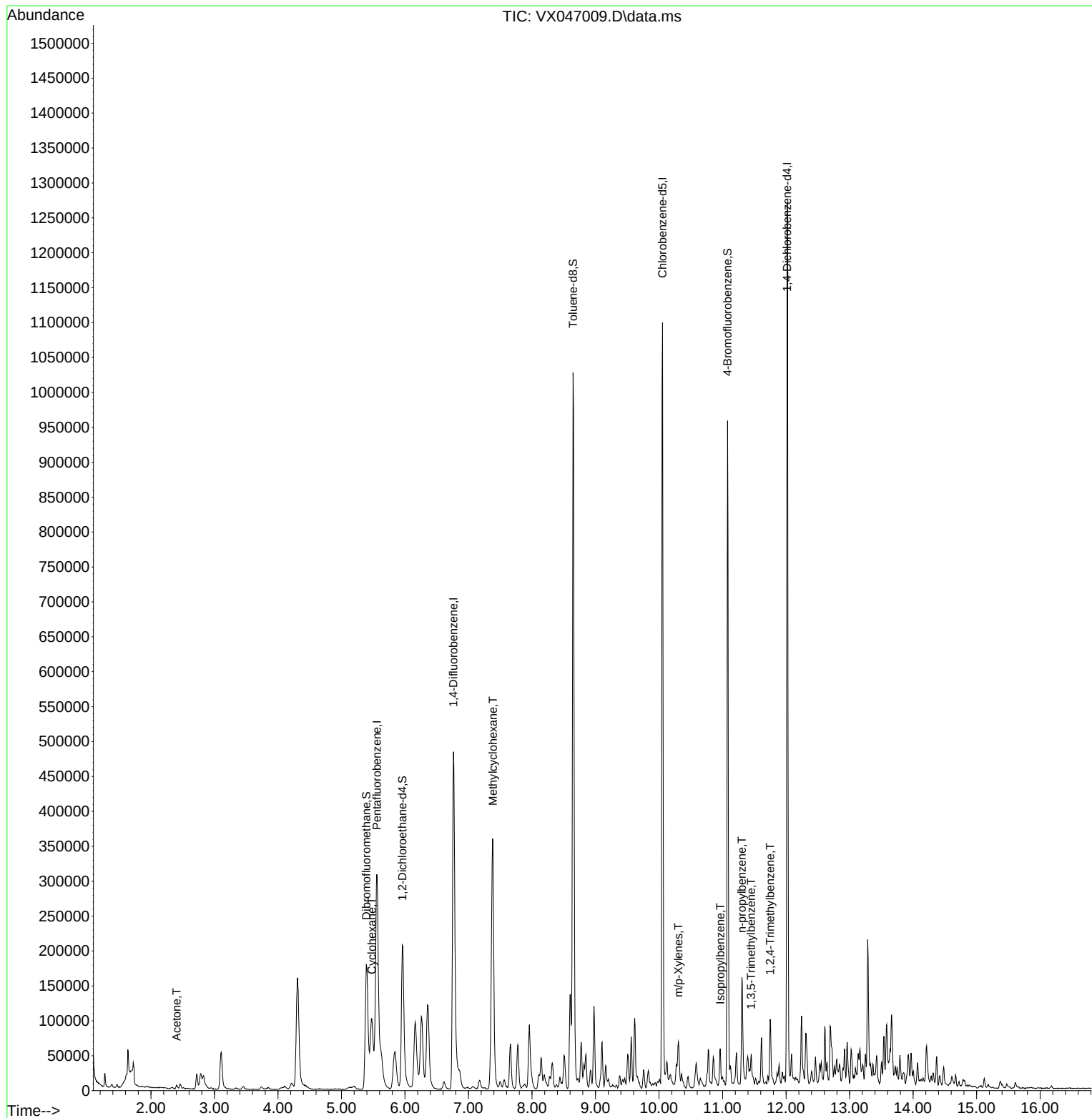
Internal Standards						
1) Pentafluorobenzene	5.556	168	321586	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	538656	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	489470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	250920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	224013	52.728	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.460%			
35) Dibromofluoromethane	5.391	113	177800	48.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.260%			
50) Toluene-d8	8.647	98	616777	47.810	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.620%			
62) 4-Bromofluorobenzene	11.079	95	253024	51.606	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.220%			
Target Compounds						
16) Acetone	2.404	43	5790	4.387	ug/l	90
31) Cyclohexane	5.477	56	71312	11.743	ug/l	96
39) Methylcyclohexane	7.385	83	163273	26.458	ug/l	97
68) m/p-Xylenes	10.305	106	12099	1.772	ug/l	98
73) Isopropylbenzene	10.963	105	28554	1.619	ug/l	98
78) n-propylbenzene	11.305	91	64931	3.053	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	17509	1.222	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	39353	2.716	ug/l	97

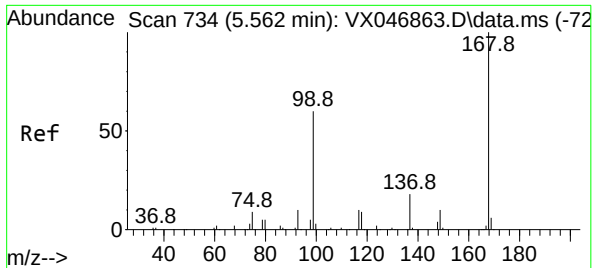
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX047009.D
Acq On : 15 Jul 2025 17:49
Operator : JC/MD
Sample : Q2503-03ME
Misc : 7.46g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
GCAP2ME

Quant Time: Jul 16 02:32:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

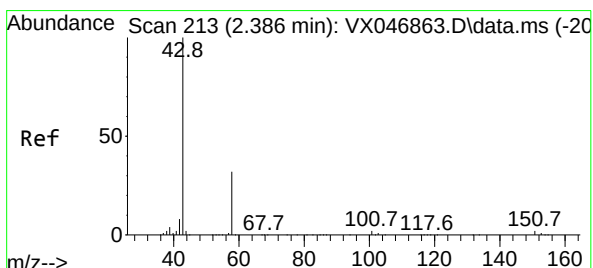
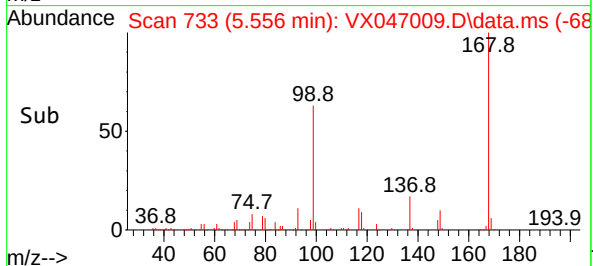
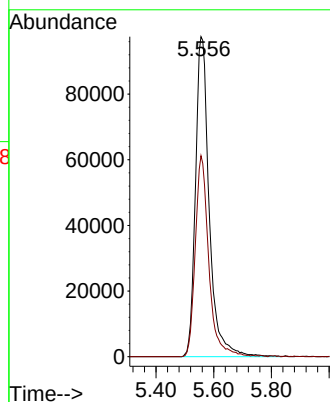
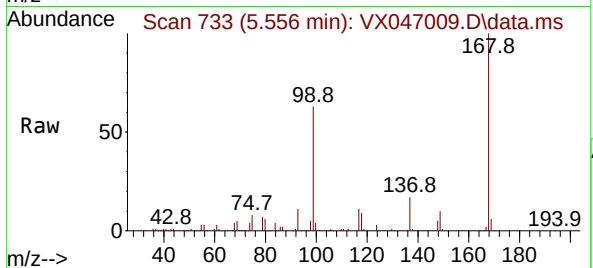




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

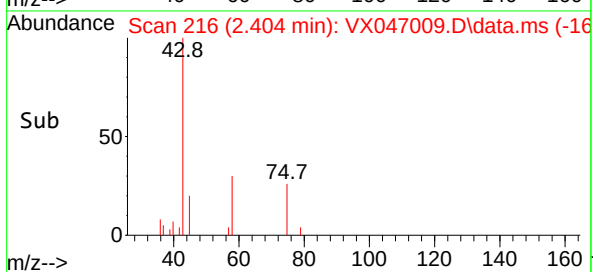
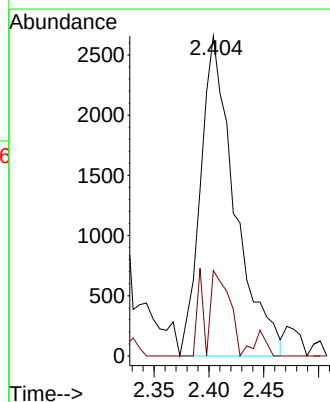
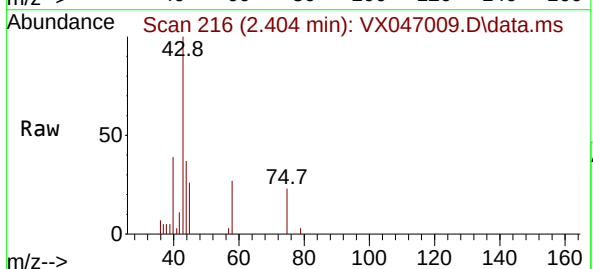
Instrument :
MSVOA_X
ClientSampleId :
GCAP2ME

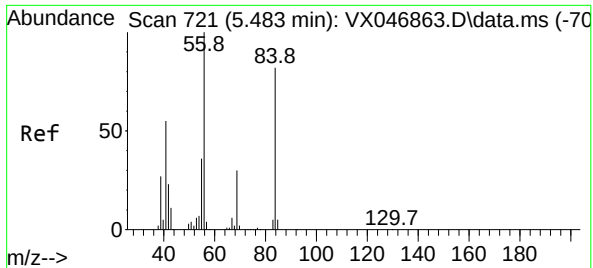
Tgt Ion:168 Resp: 321586
Ion Ratio Lower Upper
168 100
99 62.8 48.8 73.2



#16
Acetone
Concen: 4.387 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion: 43 Resp: 5790
Ion Ratio Lower Upper
43 100
58 26.7 25.8 38.6





#31

Cyclohexane

Concen: 11.743 ug/l

RT: 5.477 min Scan# 721

Delta R.T. -0.006 min

Lab File: VX047009.D

Acq: 15 Jul 2025 17:49

Instrument :

MSVOA_X

ClientSampleId :

GCAP2ME

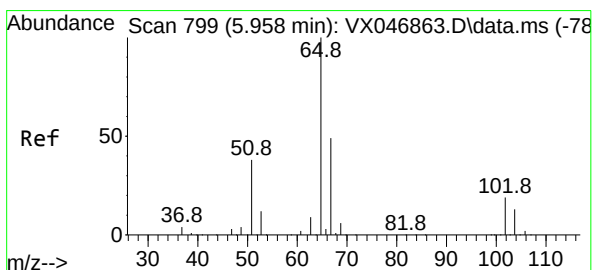
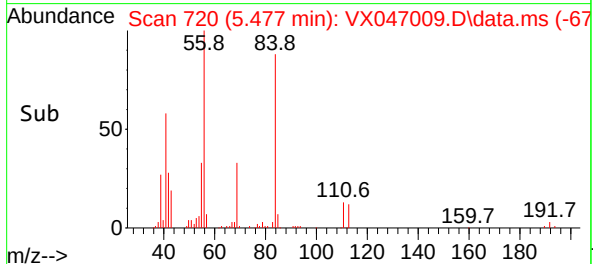
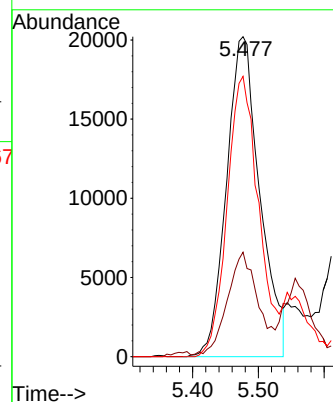
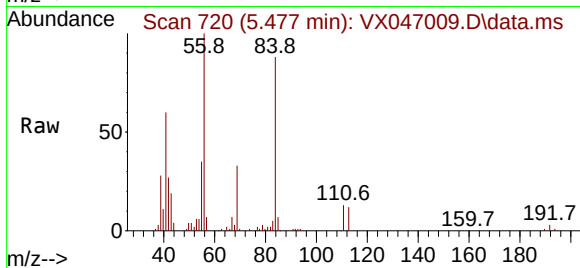
Tgt Ion: 56 Resp: 71312

Ion Ratio Lower Upper

56 100

69 31.4 24.0 36.0

84 87.6 66.5 99.7



#33

1,2-Dichloroethane-d4

Concen: 52.728 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX047009.D

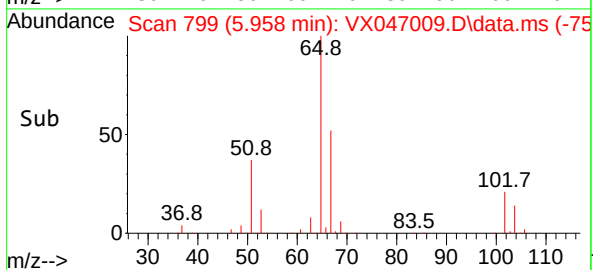
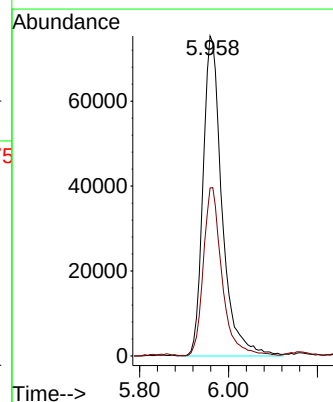
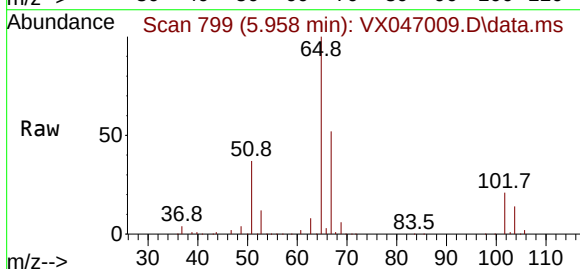
Acq: 15 Jul 2025 17:49

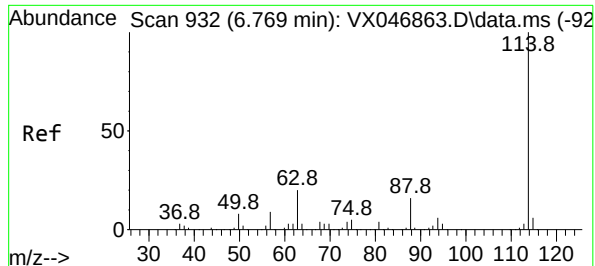
Tgt Ion: 65 Resp: 224013

Ion Ratio Lower Upper

65 100

67 51.4 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX047009.D

Acq: 15 Jul 2025 17:49

Instrument :

MSVOA_X

ClientSampleId :

GCAP2ME

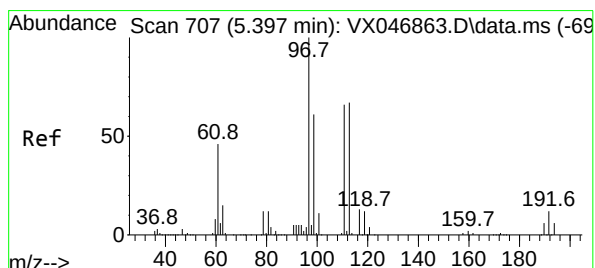
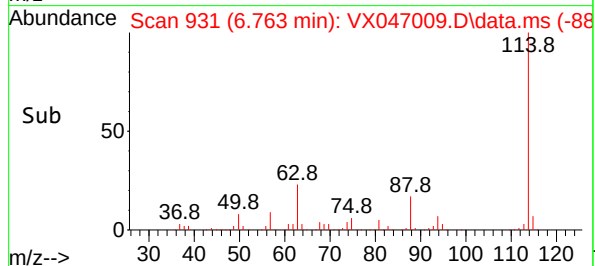
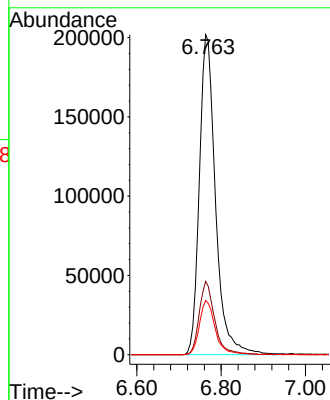
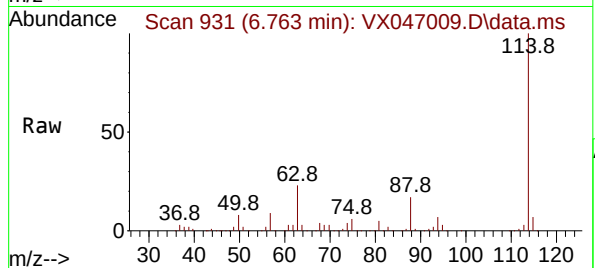
Tgt Ion:114 Resp: 538656

Ion Ratio Lower Upper

114 100

63 22.9 0.0 40.4

88 17.0 0.0 31.0



#35

Dibromofluoromethane

Concen: 48.627 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX047009.D

Acq: 15 Jul 2025 17:49

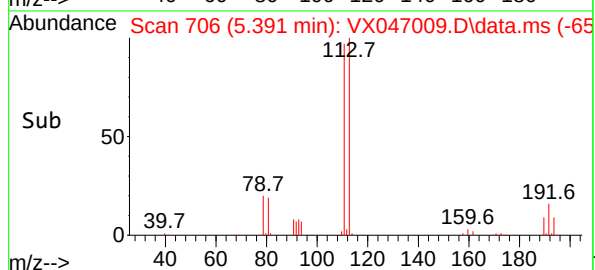
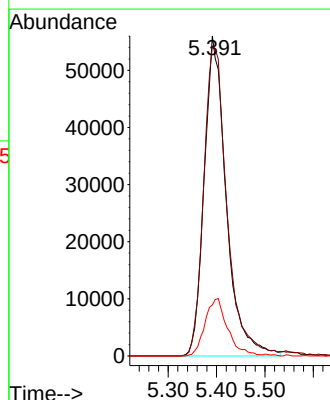
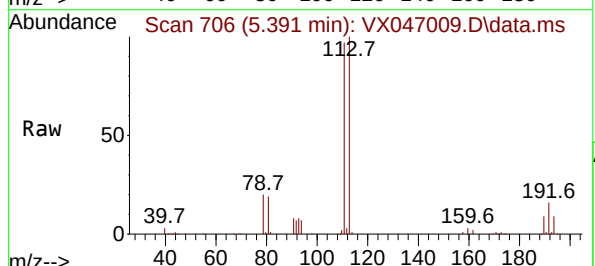
Tgt Ion:113 Resp: 177800

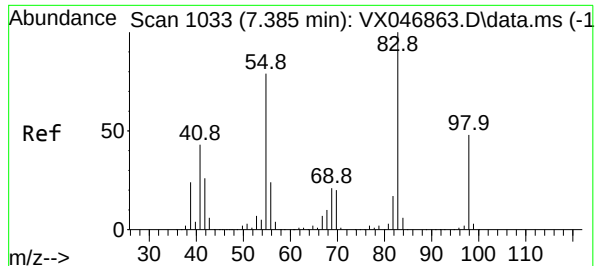
Ion Ratio Lower Upper

113 100

111 101.9 81.2 121.8

192 18.3 15.3 22.9





#39

Methylcyclohexane

Concen: 26.458 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX047009.D

Acq: 15 Jul 2025 17:49

Instrument :

MSVOA_X

ClientSampleId :

GCAP2ME

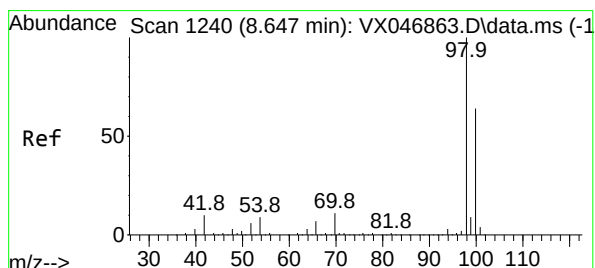
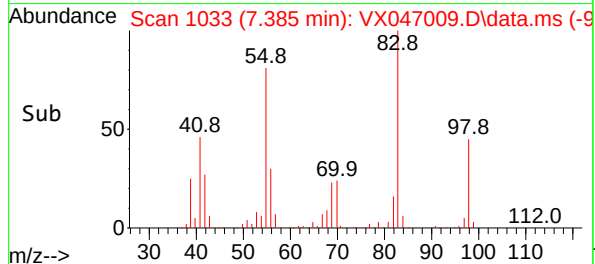
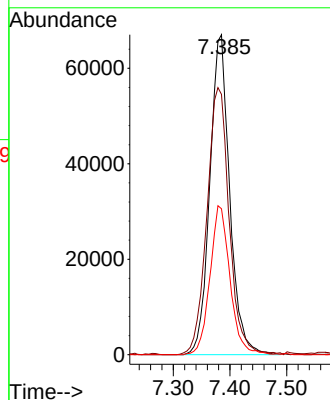
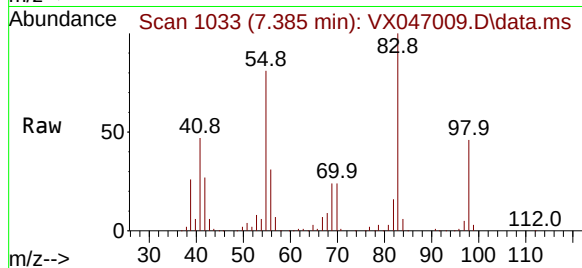
Tgt Ion: 83 Resp: 163273

Ion Ratio Lower Upper

83 100

55 81.2 63.0 94.4

98 45.6 38.5 57.7



#50

Toluene-d8

Concen: 47.810 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX047009.D

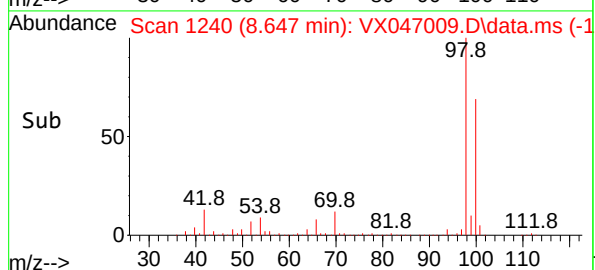
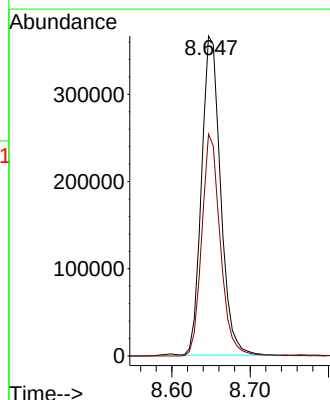
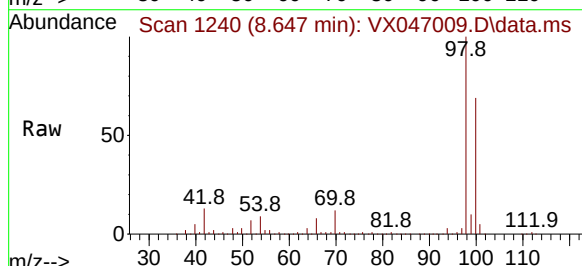
Acq: 15 Jul 2025 17:49

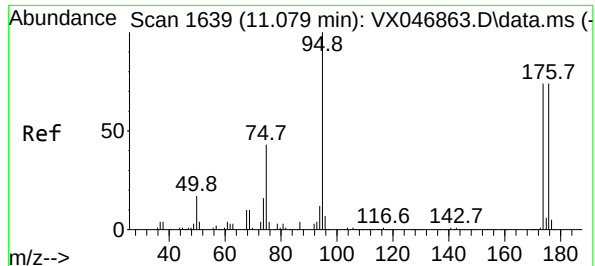
Tgt Ion: 98 Resp: 616777

Ion Ratio Lower Upper

98 100

100 67.9 53.0 79.6

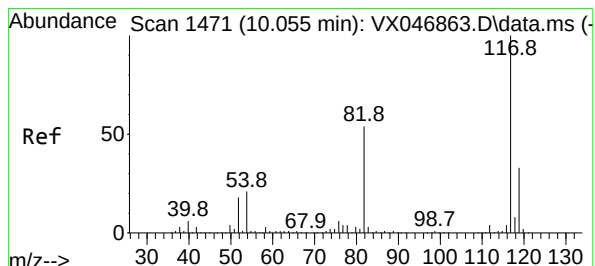
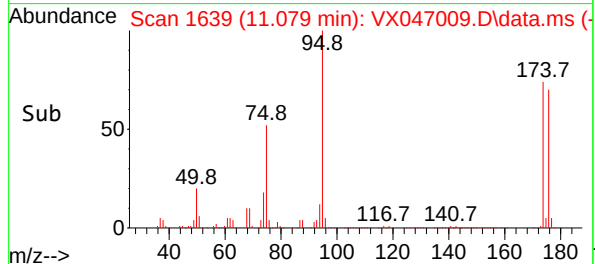
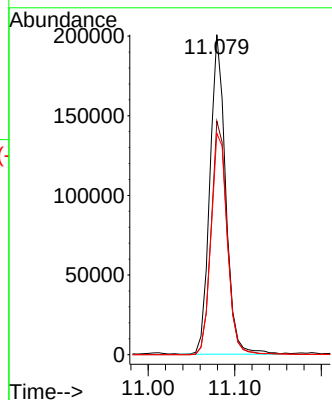
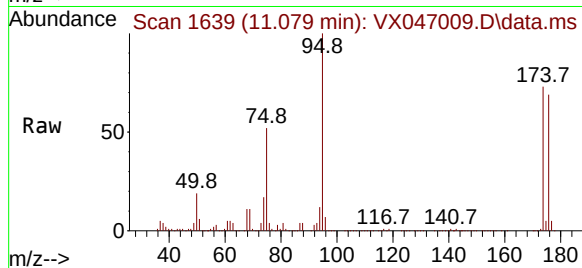




#62
4-Bromofluorobenzene
Concen: 51.606 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

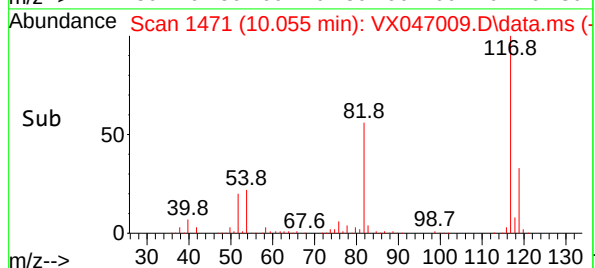
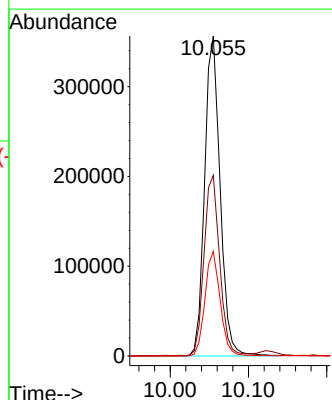
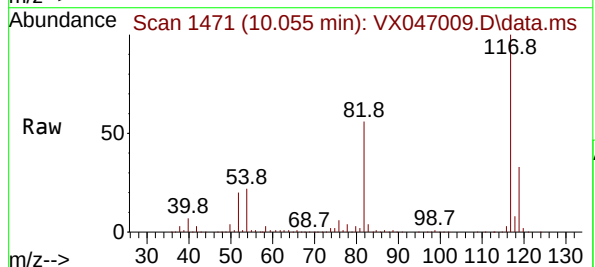
Instrument :
MSVOA_X
ClientSampleId :
GCAP2ME

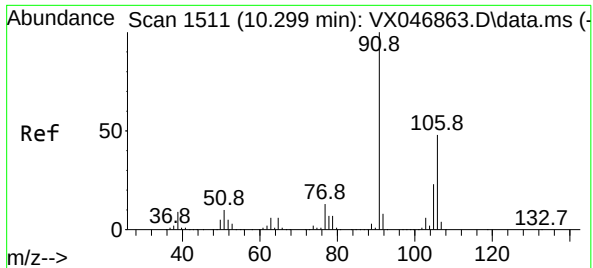
Tgt Ion: 95 Resp: 253024
Ion Ratio Lower Upper
95 100
174 74.3 0.0 152.0
176 72.1 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion: 117 Resp: 489470
Ion Ratio Lower Upper
117 100
82 56.3 43.3 64.9
119 32.7 26.4 39.6





#68

m/p-Xylenes

Concen: 1.772 ug/l

RT: 10.305 min Scan# 1511

Delta R.T. 0.006 min

Lab File: VX047009.D

Acq: 15 Jul 2025 17:49

Instrument :

MSVOA_X

ClientSampleId :

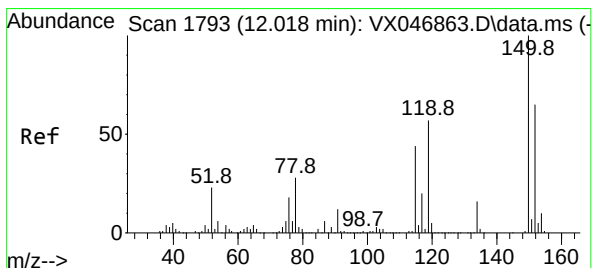
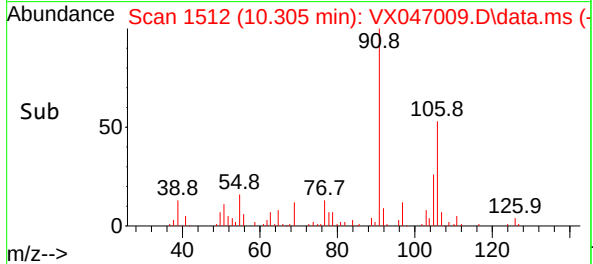
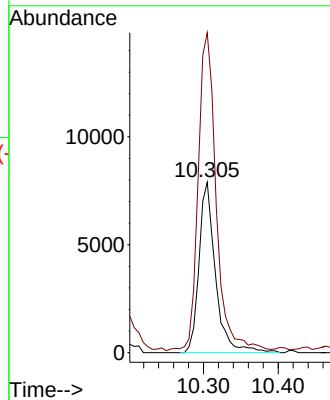
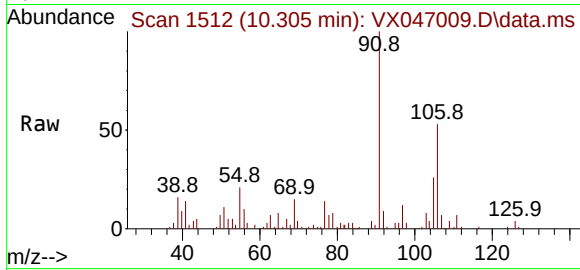
GCAP2ME

Tgt Ion:106 Resp: 12099

Ion Ratio Lower Upper

106 100

91 203.0 164.6 246.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX047009.D

Acq: 15 Jul 2025 17:49

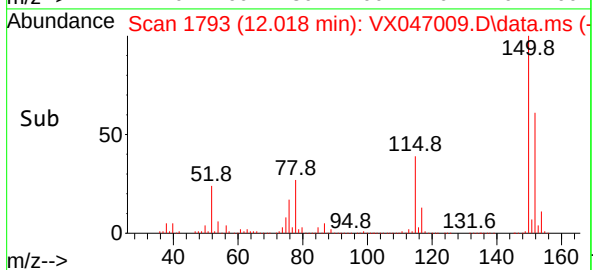
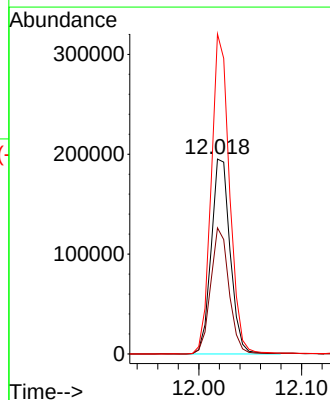
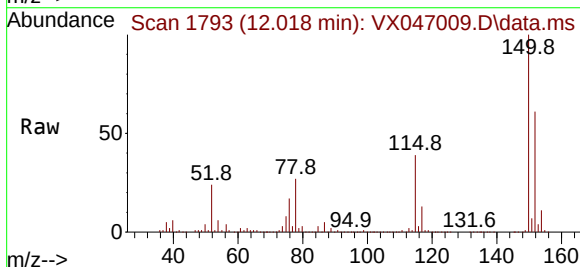
Tgt Ion:152 Resp: 250920

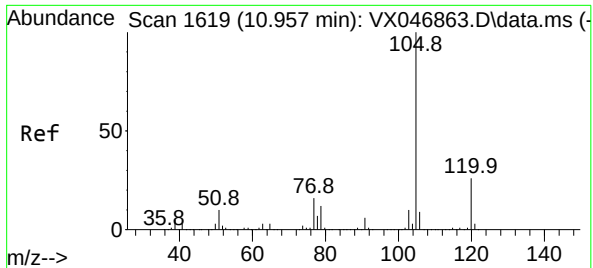
Ion Ratio Lower Upper

152 100

115 62.1 42.4 127.1

150 158.7 0.0 349.2

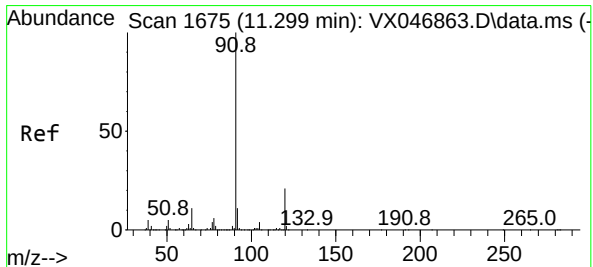
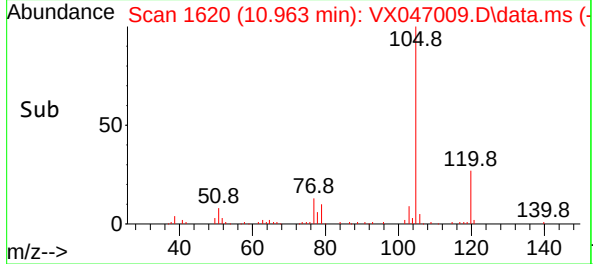
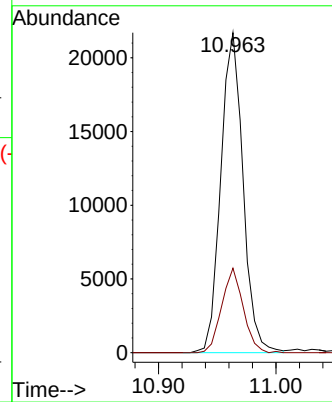
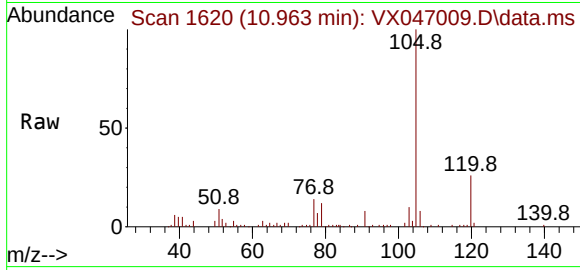




#73
Isopropylbenzene
Concen: 1.619 ug/l
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

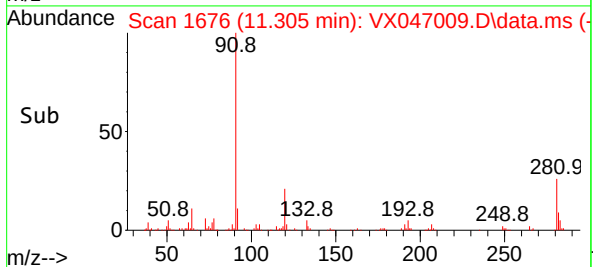
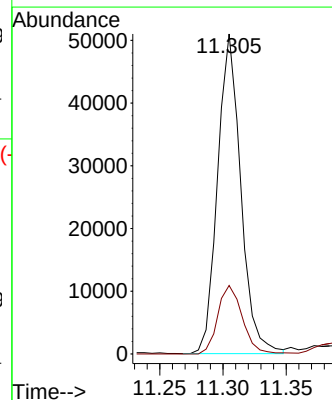
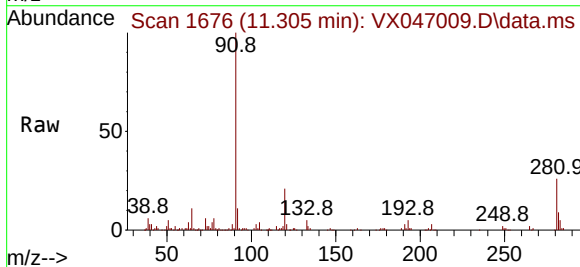
Instrument :
MSVOA_X
ClientSampleId :
GCAP2ME

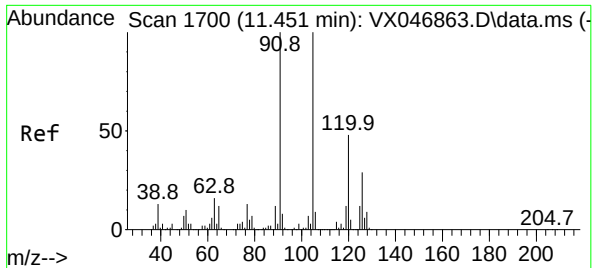
Tgt Ion:105 Resp: 28554
Ion Ratio Lower Upper
105 100
120 25.5 13.2 39.5



#78
n-propylbenzene
Concen: 3.053 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX047009.D
Acq: 15 Jul 2025 17:49

Tgt Ion: 91 Resp: 64931
Ion Ratio Lower Upper
91 100
120 22.7 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 1.222 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX047009.D

Acq: 15 Jul 2025 17:49

Instrument :

MSVOA_X

ClientSampleId :

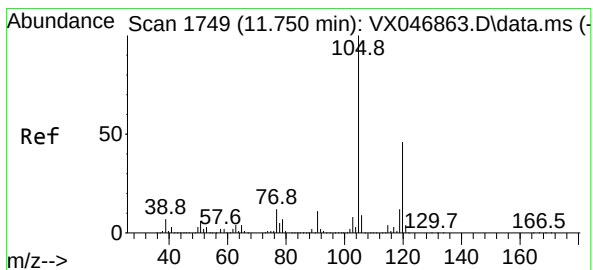
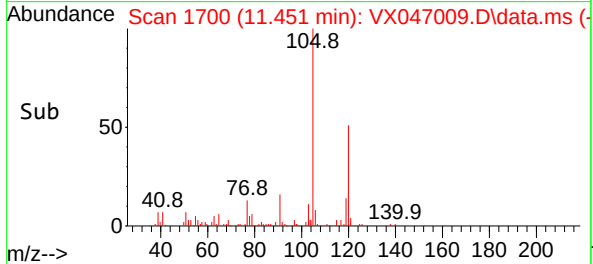
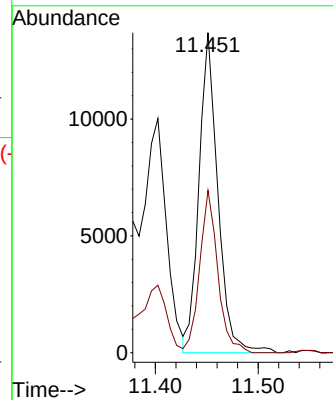
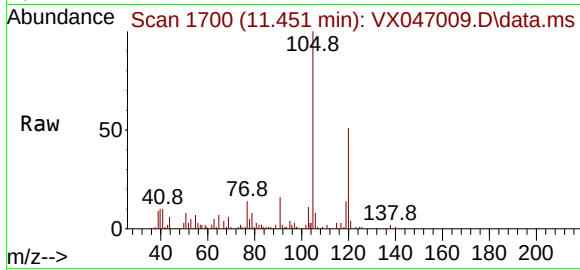
GCAP2ME

Tgt Ion:105 Resp: 17509

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4



#84

1,2,4-Trimethylbenzene

Concen: 2.716 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX047009.D

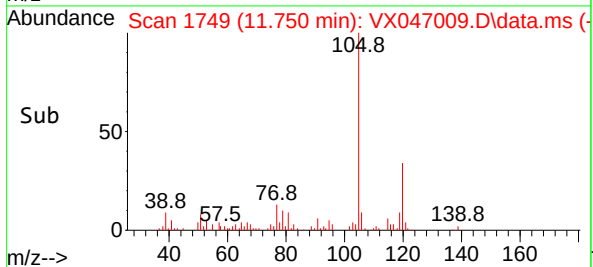
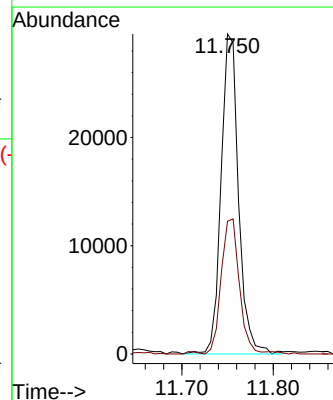
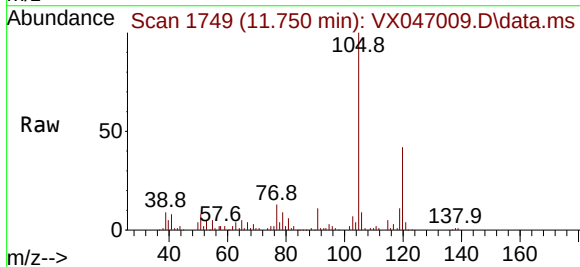
Acq: 15 Jul 2025 17:49

Tgt Ion:105 Resp: 39353

Ion Ratio Lower Upper

105 100

120 44.2 23.3 69.8



Report of Analysis

Client:	G Environmental		Date Collected:	07/02/25	
Project:	Capra		Date Received:	07/03/25	
Client Sample ID:	GCAP3		SDG No.:	Q2503	
Lab Sample ID:	Q2503-04		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	65.6	
Sample Wt/Vol:	5.06	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031841.D	1	07/14/25 11:38	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	7.50	ug/Kg
74-87-3	Chloromethane	1.70	U	1.70	7.50	ug/Kg
75-01-4	Vinyl Chloride	1.20	U	1.20	7.50	ug/Kg
74-83-9	Bromomethane	1.60	U	1.60	7.50	ug/Kg
75-00-3	Chloroethane	1.90	U	1.90	7.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.80	U	1.80	7.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.60	U	1.60	7.50	ug/Kg
75-35-4	1,1-Dichloroethene	1.50	U	1.50	7.50	ug/Kg
67-64-1	Acetone	320		7.10	37.7	ug/Kg
75-15-0	Carbon Disulfide	7.00	J	1.60	7.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.10	U	1.10	7.50	ug/Kg
79-20-9	Methyl Acetate	2.30	U	2.30	7.50	ug/Kg
75-09-2	Methylene Chloride	5.30	U	5.30	15.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.30	U	1.30	7.50	ug/Kg
75-34-3	1,1-Dichloroethane	1.20	U	1.20	7.50	ug/Kg
110-82-7	Cyclohexane	1100	E	1.20	7.50	ug/Kg
78-93-3	2-Butanone	110		9.90	37.7	ug/Kg
56-23-5	Carbon Tetrachloride	1.50	U	1.50	7.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.10	U	1.10	7.50	ug/Kg
74-97-5	Bromochloromethane	1.70	U	1.70	7.50	ug/Kg
67-66-3	Chloroform	1.30	U	1.30	7.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.40	U	1.40	7.50	ug/Kg
108-87-2	Methylcyclohexane	2400	E	1.40	7.50	ug/Kg
71-43-2	Benzene	1.20	U	1.20	7.50	ug/Kg
107-06-2	1,2-Dichloroethane	1.20	U	1.20	7.50	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.50	ug/Kg
78-87-5	1,2-Dichloropropane	1.40	U	1.40	7.50	ug/Kg
75-27-4	Bromodichloromethane	1.20	U	1.20	7.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.40	U	5.40	37.7	ug/Kg
108-88-3	Toluene	12.9		1.20	7.50	ug/Kg

Report of Analysis

Client:	G Environmental			Date Collected:	07/02/25	
Project:	Capra			Date Received:	07/03/25	
Client Sample ID:	GCAP3			SDG No.:	Q2503	
Lab Sample ID:	Q2503-04			Matrix:	SOIL	
Analytical Method:	8260D			% Solid:	65.6	
Sample Wt/Vol:	5.06	Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031841.D	1	07/14/25 11:38	VW071425

[illegible]

Report of Analysis

Client:	G Environmental	Date Collected:	07/02/25
Project:	Capra	Date Received:	07/03/25
Client Sample ID:	GCAP3	SDG No.:	Q2503
Lab Sample ID:	Q2503-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	65.6
Sample Wt/Vol:	5.06 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031841.D	1	07/14/25 11:38	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000096-14-0	Pentane, 3-methyl-	43.4	J		5.48	ug/Kg
000096-37-7	Cyclopentane, methyl-	96.5	J		7.01	ug/Kg
002453-00-1	Cyclopentane, 1,3-dimethyl-	300	J		8.45	ug/Kg
001759-58-6	Cyclopentane, 1,3-dimethyl-, trans	270	J		8.52	ug/Kg
000822-50-4	Cyclopentane, 1,2-dimethyl-, trans	350	J		8.59	ug/Kg
001640-89-7	Cyclopentane, ethyl-	120	J		9.53	ug/Kg
015890-40-1	Cyclopentane, 1,2,3-trimethyl-, (1	61.6	J		9.76	ug/Kg
001528-22-9	Cyclobutane, (1-methylethylidene)-	110	J		9.86	ug/Kg
000591-49-1	Cyclohexene, 1-methyl-	50.5	J		10.2	ug/Kg
000583-57-3	Cyclohexane, 1,2-dimethyl- (cis/tr	170	J		10.5	ug/Kg
006876-23-9	Cyclohexane, 1,2-dimethyl-, trans-	120	J		10.7	ug/Kg
018669-52-8	1,4-Hexadiene, 2,3-dimethyl-	160	J		10.8	ug/Kg
002207-01-4	Cyclohexane, 1,2-dimethyl-, cis-	58.3	J		11.1	ug/Kg
001678-91-7	Cyclohexane, ethyl-	59.7	J		11.2	ug/Kg
103-65-1	n-propylbenzene	140	J		12.8	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	180	J		12.9	ug/Kg
98-06-6	tert-Butylbenzene	2.90	J		13.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	500	J		13.2	ug/Kg
135-98-8	sec-Butylbenzene	7.10	J		13.4	ug/Kg
99-87-6	p-Isopropyltoluene	15.6	J		13.5	ug/Kg
000496-11-7	Indane	43.0	J		13.8	ug/Kg
104-51-8	n-Butylbenzene	2.40	J		13.8	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_W\Data\VW071425\
 Data File : VW031841.D
 Acq On : 14 Jul 2025 11:38
 Operator : SY/MD
 Sample : Q2503-04
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 04:17:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	198013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	378189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	323667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	116915	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	125286	44.088	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	88.180%		
35) Dibromofluoromethane	7.904	113	117378	47.563	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	95.120%		
50) Toluene-d8	10.331	98	472486	51.448	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	102.900%		
62) 4-Bromofluorobenzene	12.617	95	134818	39.891	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	79.780%		
Target Compounds						
						Qvalue
16) Acetone	4.161	43	149166	212.371	ug/l #	86
17) Carbon Disulfide	4.429	76	29177	4.621	ug/l	97
25) 2-Butanone	7.197	43	67189	73.529	ug/l #	83
31) Cyclohexane	7.978	56	3012131	744.435	ug/l	94
39) Methylcyclohexane	9.349	83	7057937	1588.537	ug/l	96
52) Toluene	10.392	92	58077	8.585	ug/l	100
67) Ethyl Benzene	11.733	91	153523	12.398	ug/l	95
68) m/p-Xylenes	11.843	106	624353	131.159	ug/l	98
69) o-Xylene	12.166	106	105452	23.926	ug/l	95
73) Isopropylbenzene	12.464	105	521961	58.692	ug/l	99
78) n-propylbenzene	12.800	91	978725	91.904	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	903463	122.731	ug/l	99
83) tert-Butylbenzene	13.202	119	12216	1.937	ug/l	92
84) 1,2,4-Trimethylbenzene	13.245	105	2453174	328.905	ug/l	98
85) sec-Butylbenzene	13.379	105	44735m	4.727	ug/l	
86) p-Isopropyltoluene	13.495	119	80598	10.333	ug/l	99
89) n-Butylbenzene	13.812	91	11864m	1.565	ug/l	
95) Naphthalene	15.360	128	7035	1.280	ug/l #	93

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

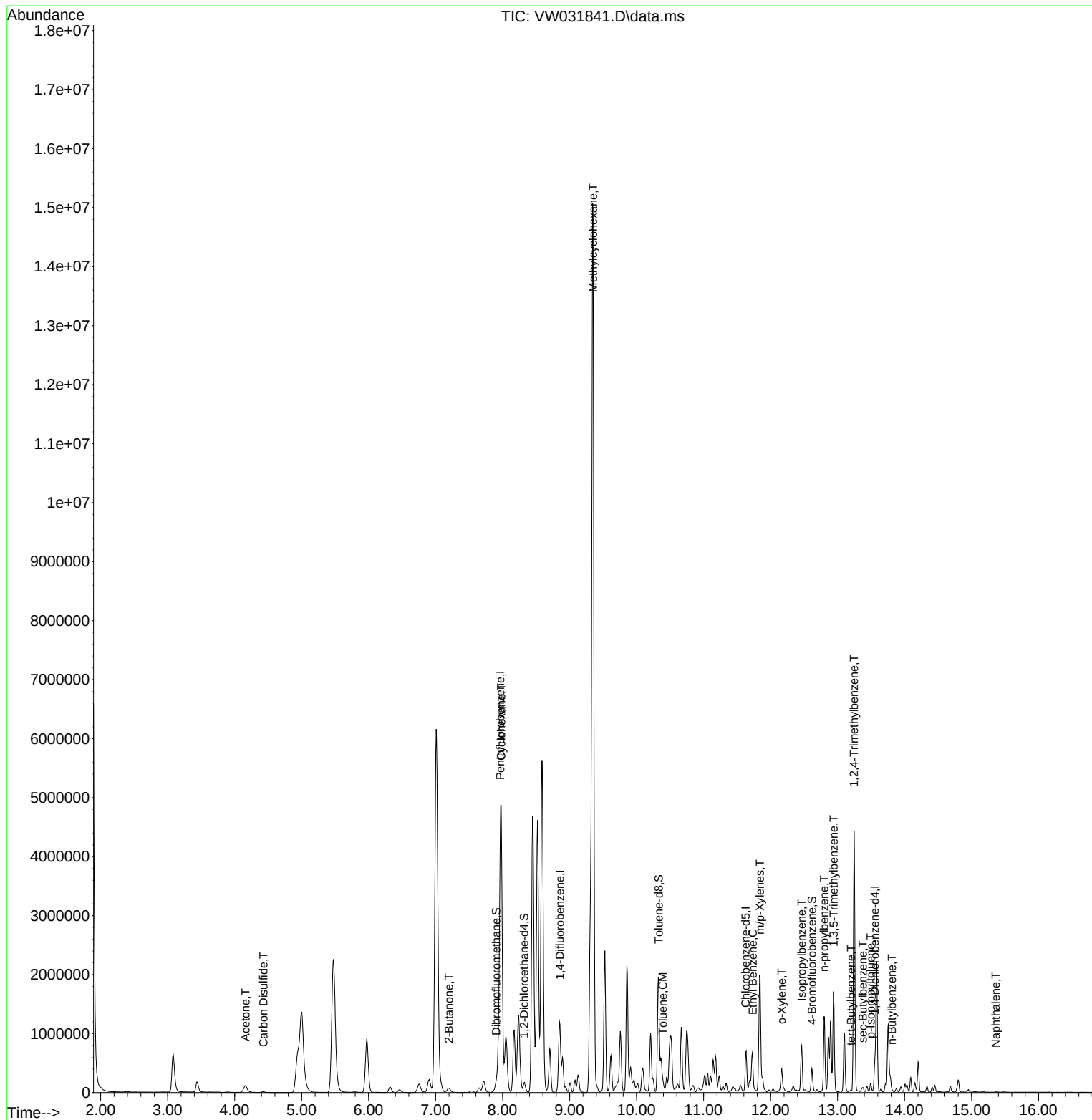
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

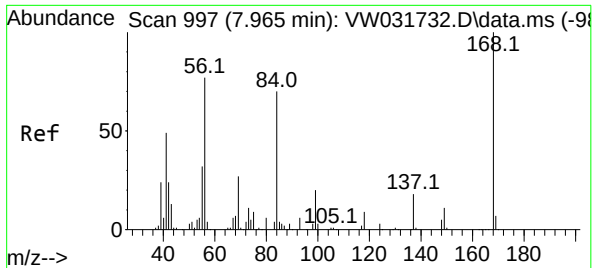
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

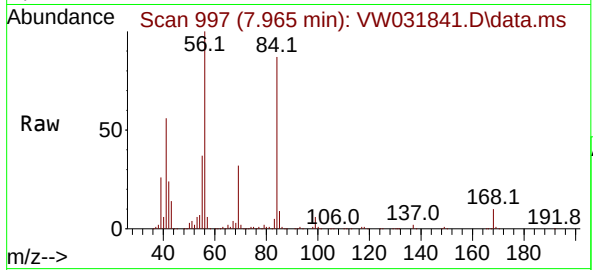
Quant Time: Jul 15 04:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

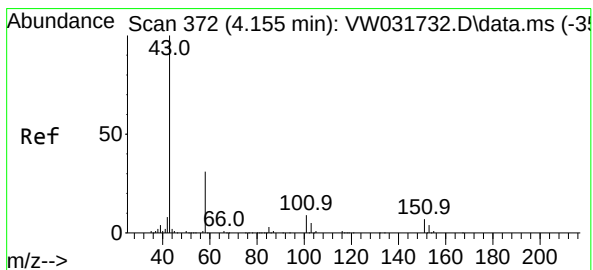
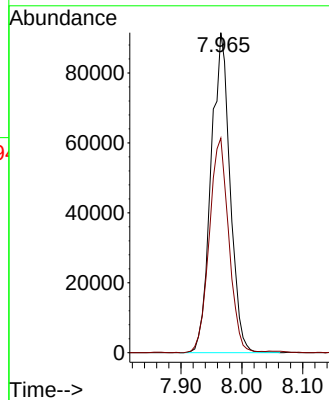
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion: 168 Resp: 19801
Ion Ratio Lower Upper
168 100
99 67.0 49.4 74.2

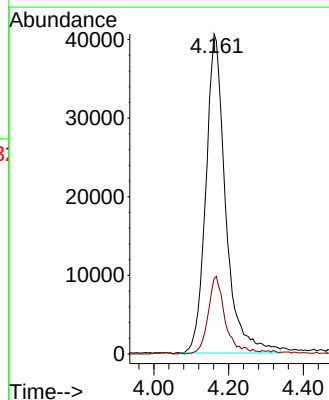
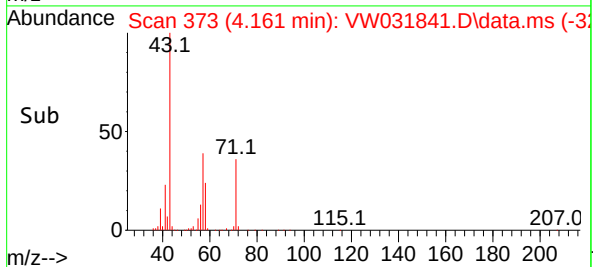
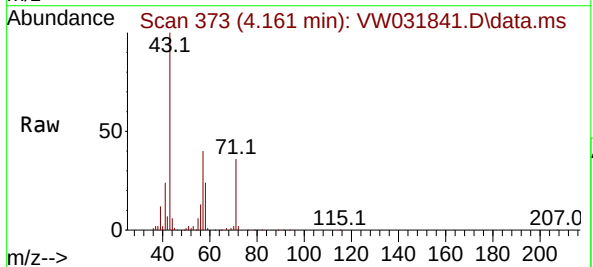
Manual Integrations
APPROVED

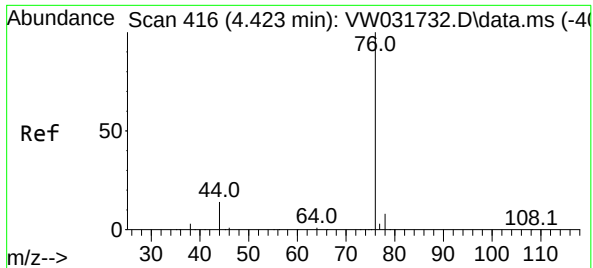
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#16
Acetone
Concen: 212.371 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

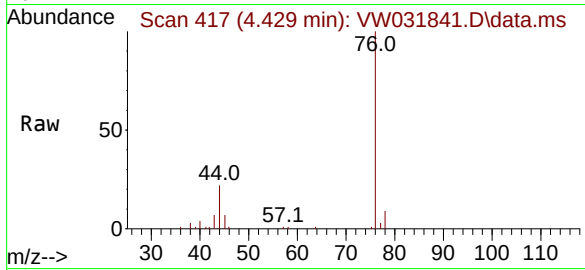
Tgt Ion: 43 Resp: 149166
Ion Ratio Lower Upper
43 100
58 23.5 24.8 37.2#





#17
Carbon Disulfide
Concen: 4.621 ug/l
RT: 4.429 min Scan# 416
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

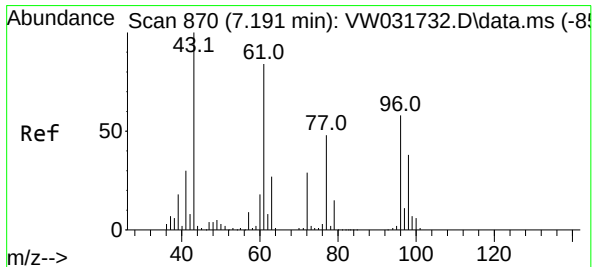
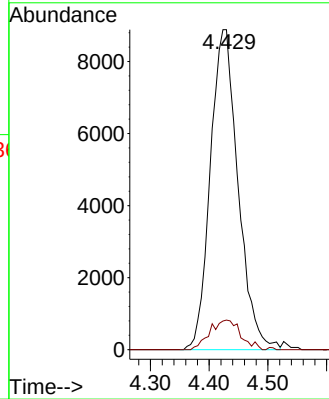
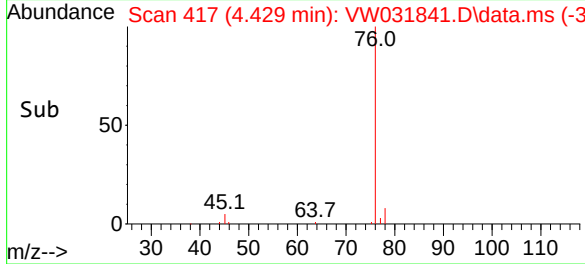
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion: 76 Resp: 2917
Ion Ratio Lower Upper
76 100
78 9.3 6.6 10.0

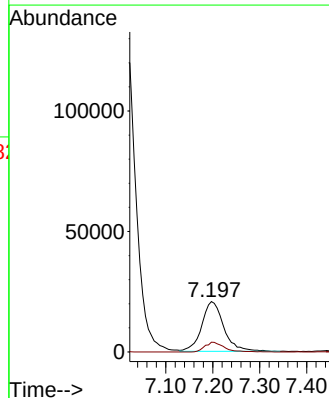
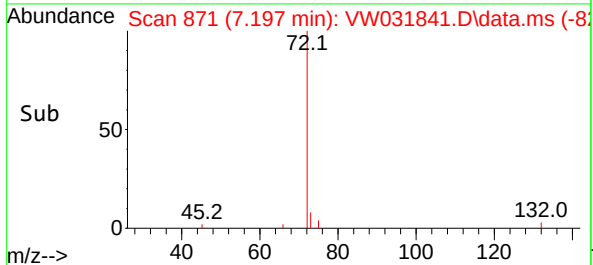
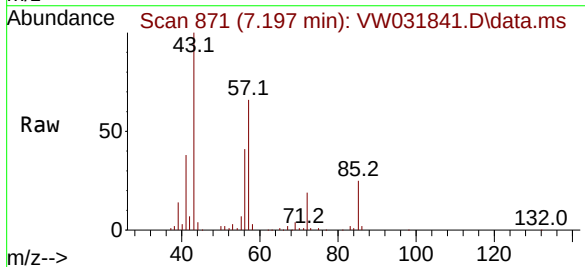
Manual Integrations
APPROVED

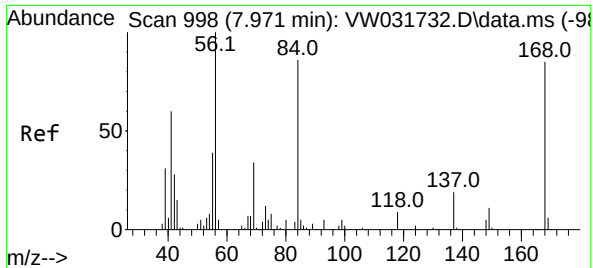
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#25
2-Butanone
Concen: 73.529 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

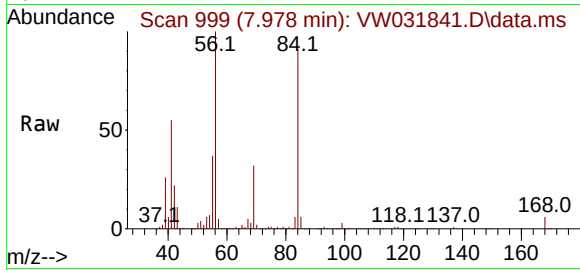
Tgt Ion: 43 Resp: 67189
Ion Ratio Lower Upper
43 100
72 19.7 23.0 34.6#





#31
Cyclohexane
Concen: 744.435 ug/l
RT: 7.978 min Scan# 998
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

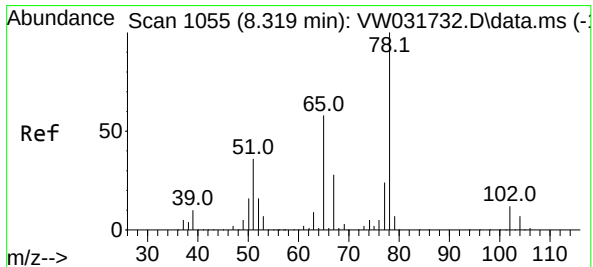
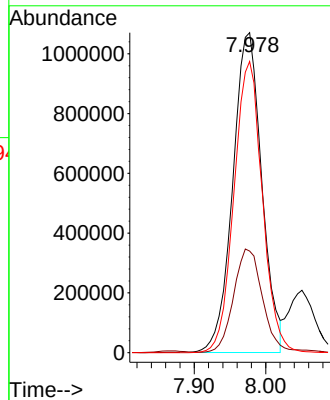
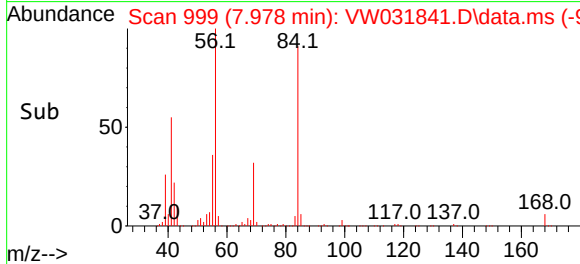
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion: 56 Resp: 301213
Ion Ratio Lower Upper
56 100
69 31.4 27.2 40.8
84 91.1 68.5 102.7

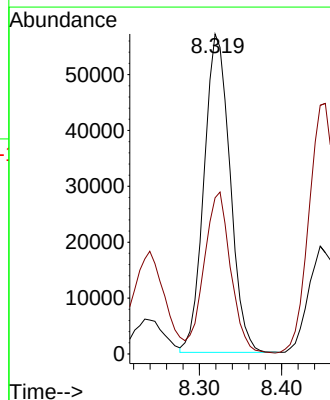
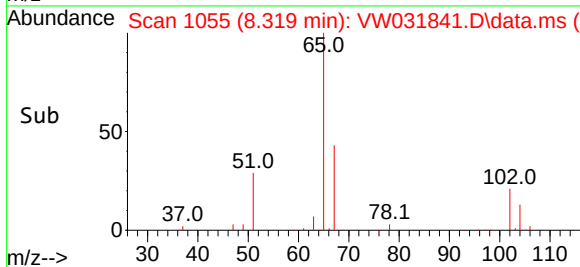
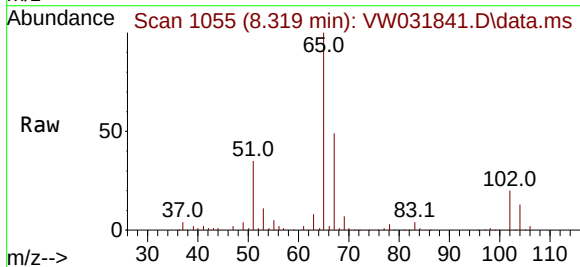
Manual Integrations
APPROVED

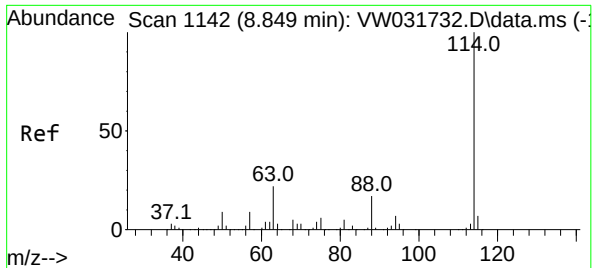
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#33
1,2-Dichloroethane-d4
Concen: 44.088 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

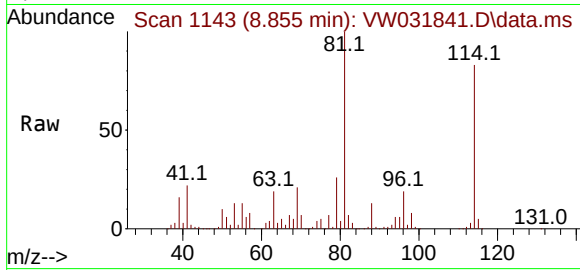
Tgt Ion: 65 Resp: 125286
Ion Ratio Lower Upper
65 100
67 51.4 0.0 99.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

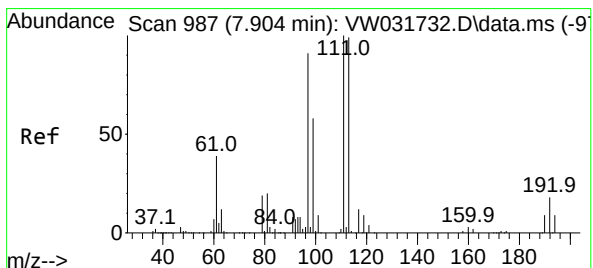
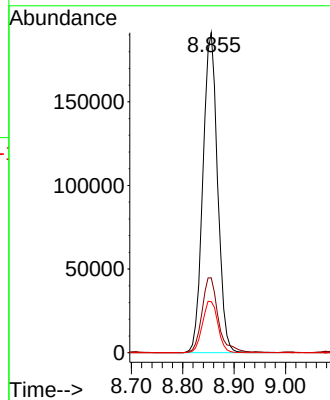
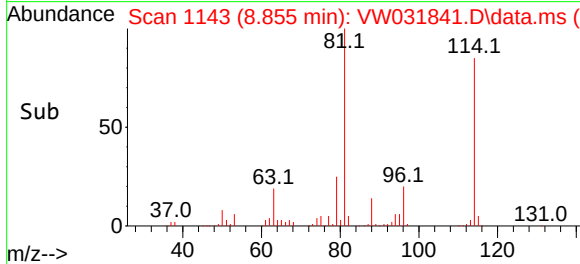
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion:114 Resp: 378189
Ion Ratio Lower Upper
114 100
63 23.4 0.0 43.6
88 16.0 0.0 34.2

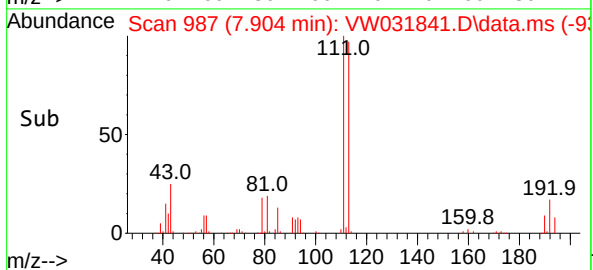
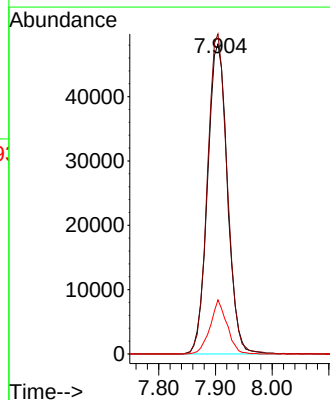
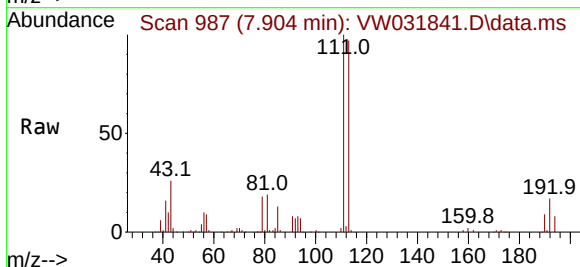
Manual Integrations
APPROVED

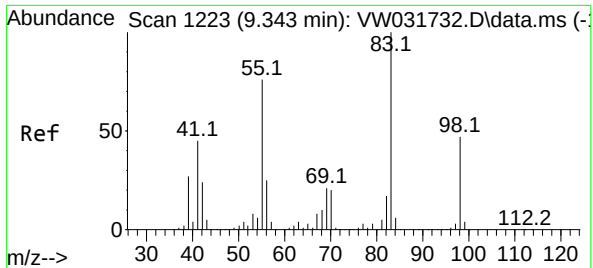
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#35
Dibromofluoromethane
Concen: 47.563 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:113 Resp: 117378
Ion Ratio Lower Upper
113 100
111 102.3 82.1 123.1
192 14.8 13.8 20.6





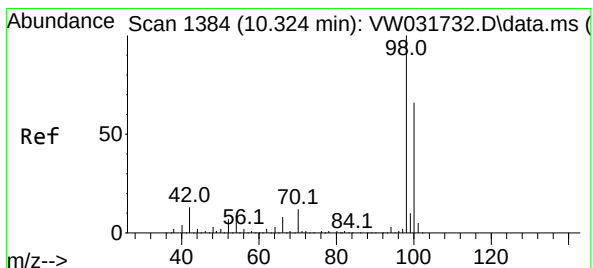
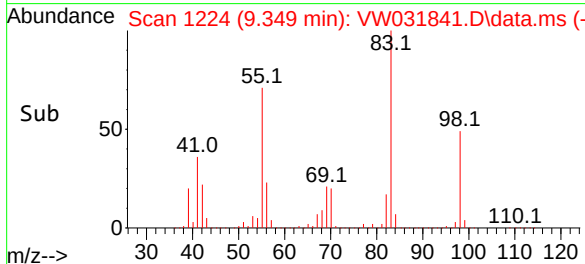
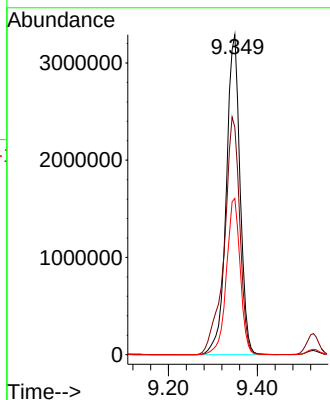
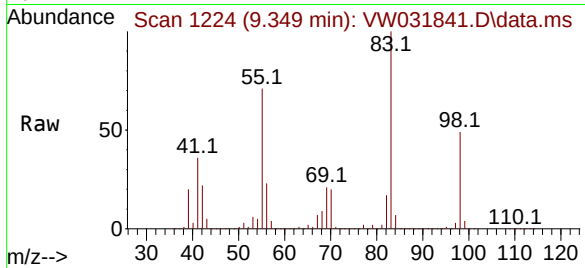
#39
Methylcyclohexane
Concen: 1588.537 ug/l
RT: 9.349 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Tgt Ion: 83 Resp: 705793
Ion Ratio Lower Upper
83 100
55 71.1 61.0 91.4
98 48.8 37.9 56.9

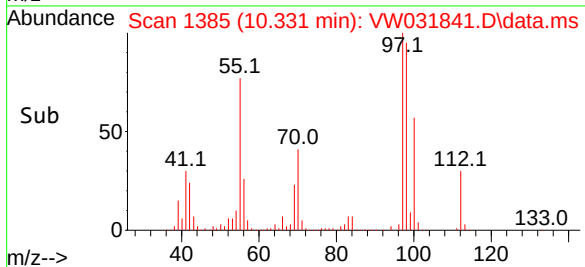
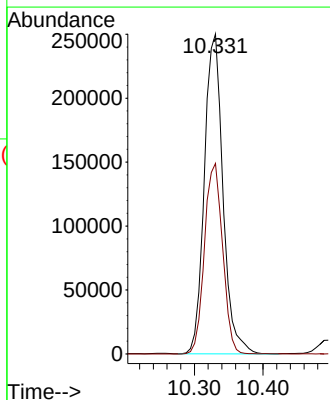
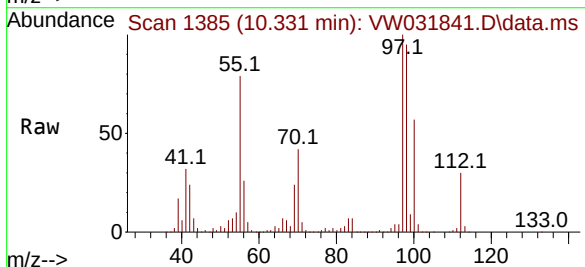
Manual Integrations
APPROVED

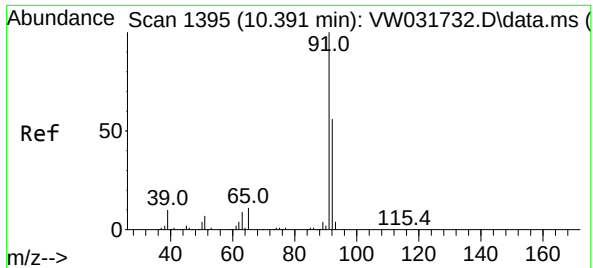
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#50
Toluene-d8
Concen: 51.448 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

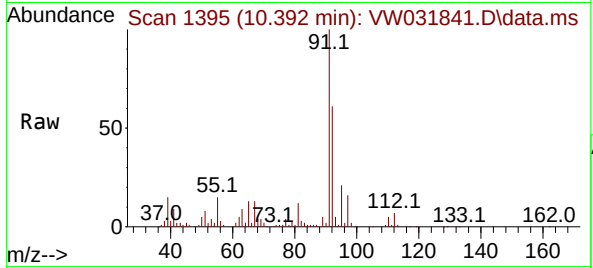
Tgt Ion: 98 Resp: 472486
Ion Ratio Lower Upper
98 100
100 57.9 53.0 79.4





#52
Toluene
Concen: 8.585 ug/l
RT: 10.392 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

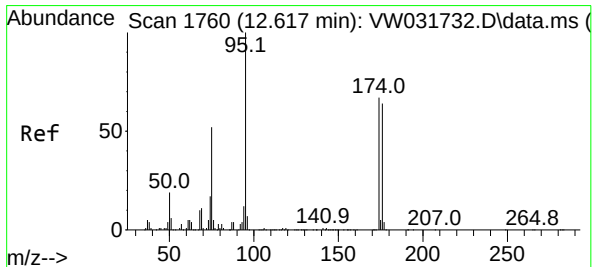
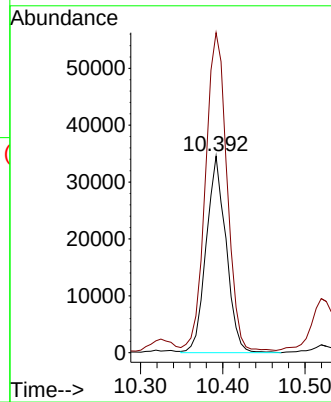
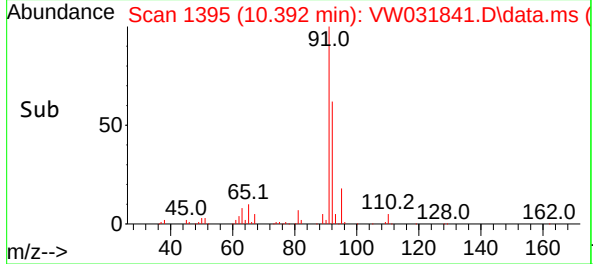
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



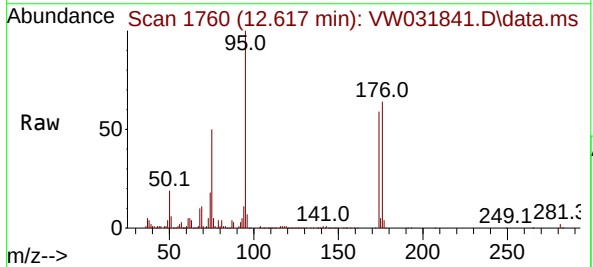
Tgt Ion: 92 Resp: 5807
Ion Ratio Lower Upper
92 100
91 174.4 139.5 209.3

Manual Integrations
APPROVED

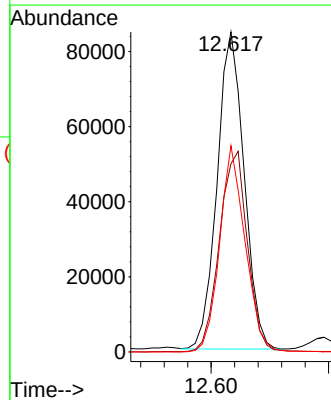
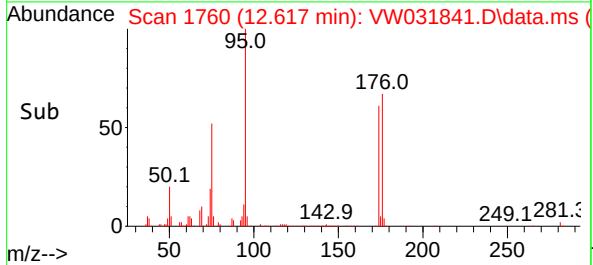
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

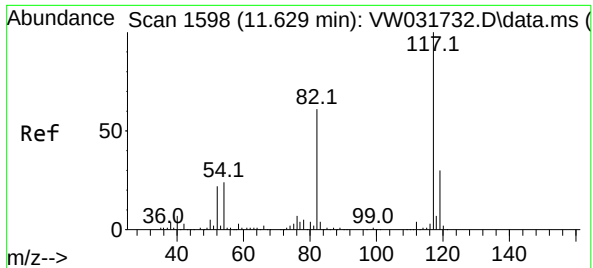


#62
4-Bromofluorobenzene
Concen: 39.891 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38



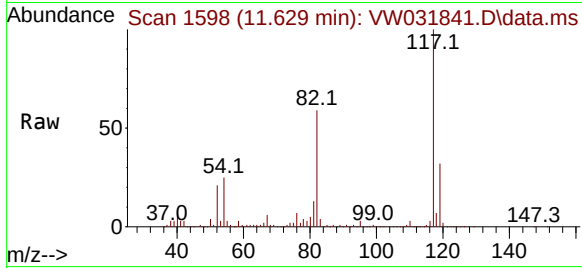
Tgt Ion: 95 Resp: 134818
Ion Ratio Lower Upper
95 100
174 66.0 0.0 133.8
176 61.4 0.0 126.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 117
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

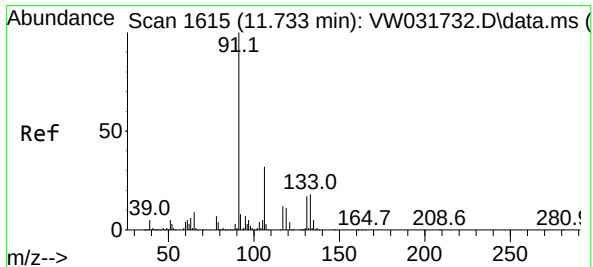
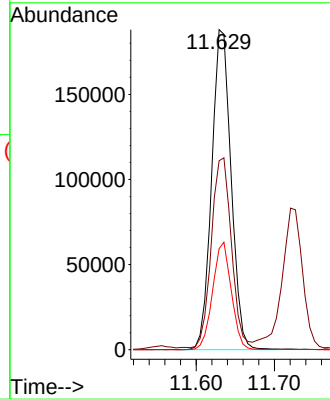
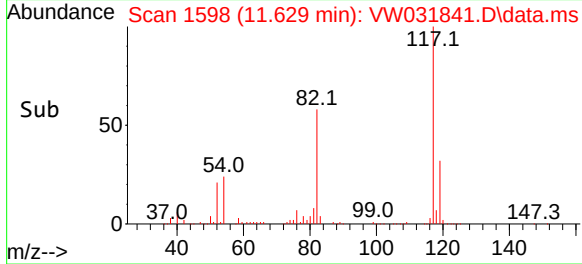
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion:117 Resp: 32366
Ion Ratio Lower Upper
117 100
82 58.3 48.6 72.8
119 31.6 23.9 35.9

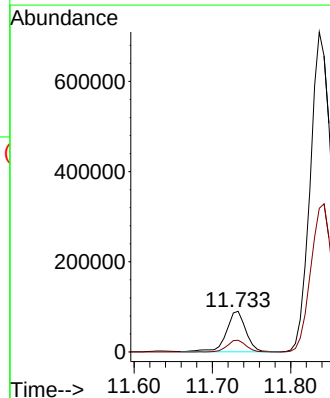
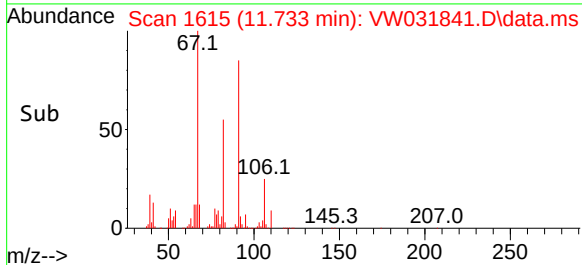
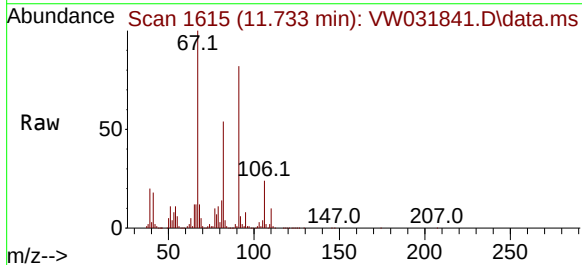
Manual Integrations
APPROVED

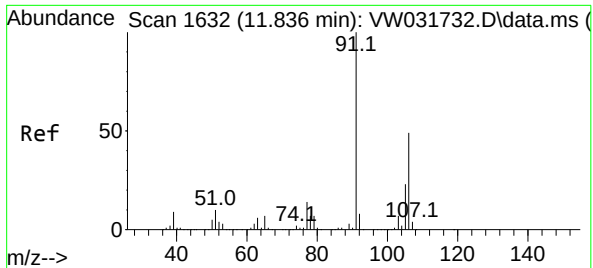
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#67
Ethyl Benzene
Concen: 12.398 ug/l
RT: 11.733 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

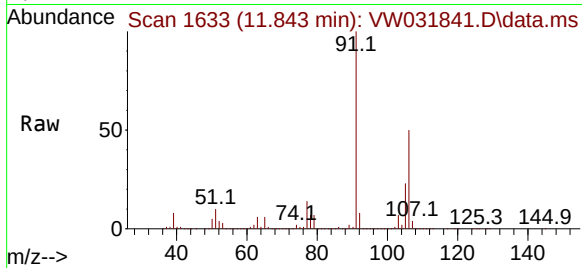
Tgt Ion: 91 Resp: 153523
Ion Ratio Lower Upper
91 100
106 29.1 25.4 38.2





#68
m/p-Xylenes
Concen: 131.159 ug/l
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

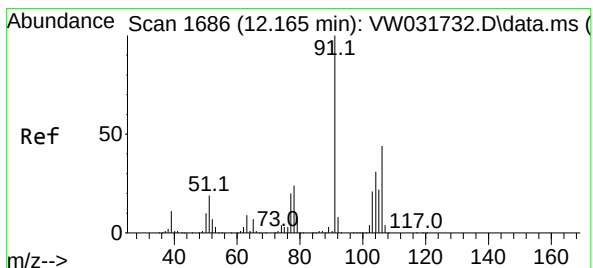
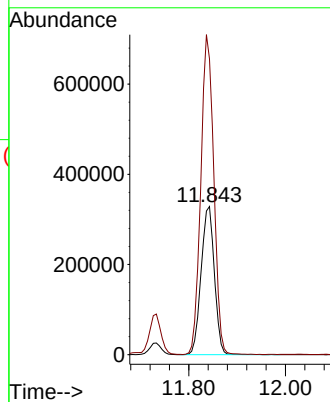
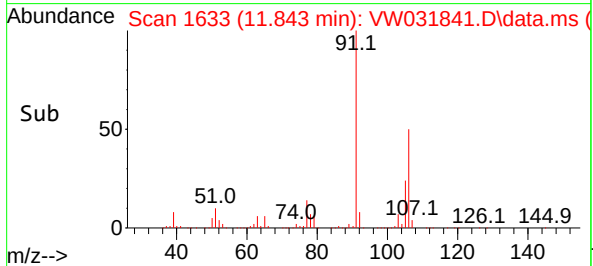
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion:106 Resp: 62435
Ion Ratio Lower Upper
106 100
91 211.6 166.4 249.6

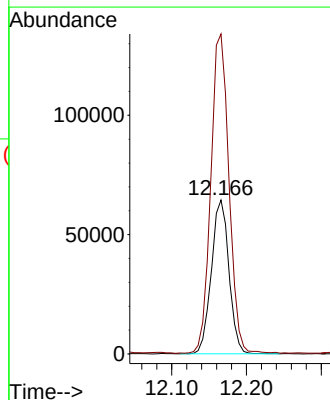
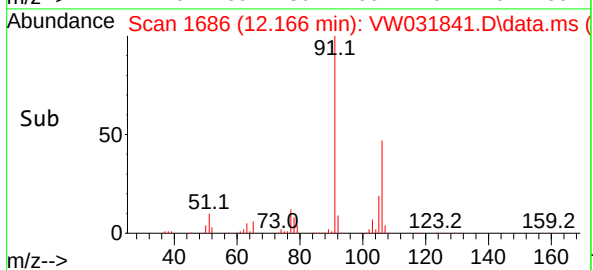
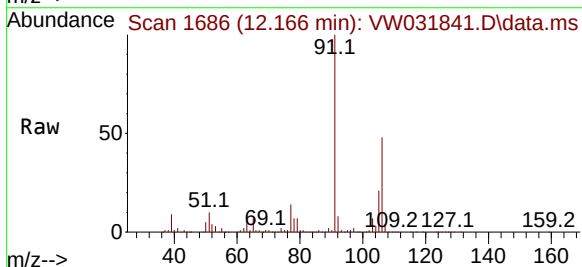
Manual Integrations
APPROVED

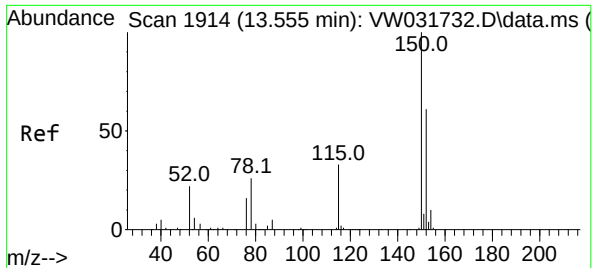
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#69
o-Xylene
Concen: 23.926 ug/l
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

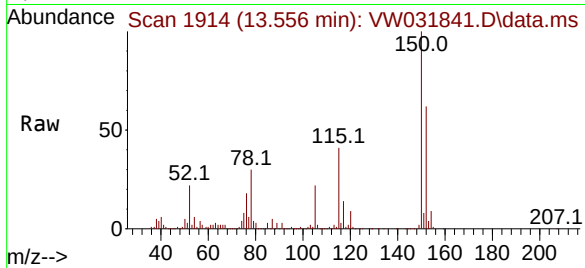
Tgt Ion:106 Resp: 105452
Ion Ratio Lower Upper
106 100
91 214.3 111.5 334.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

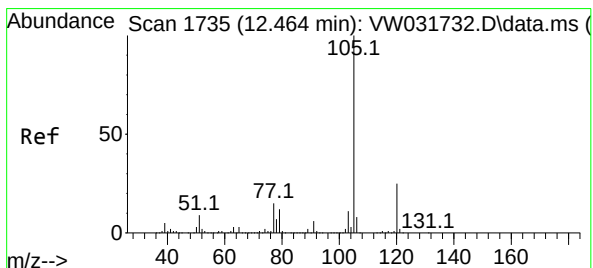
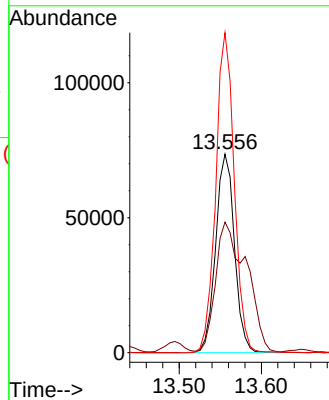
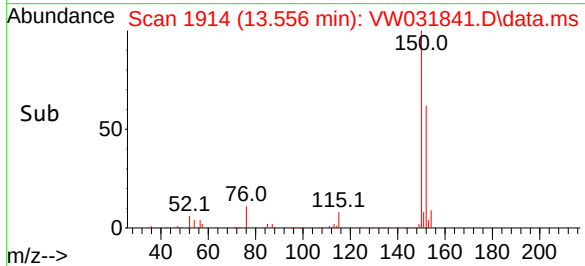
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



Tgt Ion:152 Resp: 116915
Ion Ratio Lower Upper
152 100
115 106.1 31.9 95.7
150 158.6 0.0 356.4

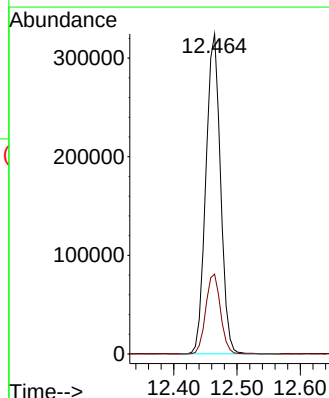
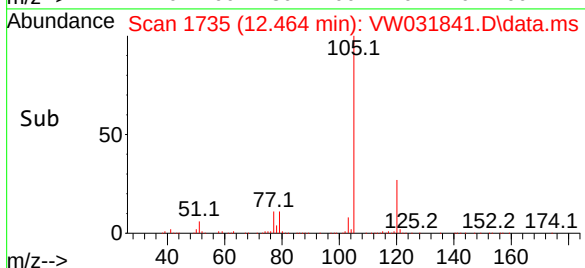
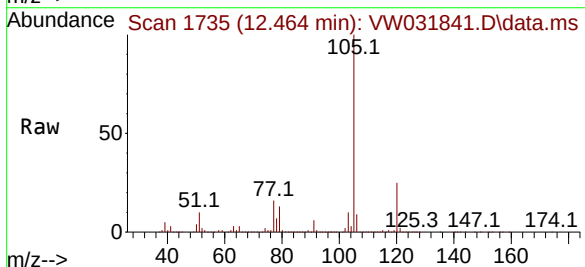
Manual Integrations
APPROVED

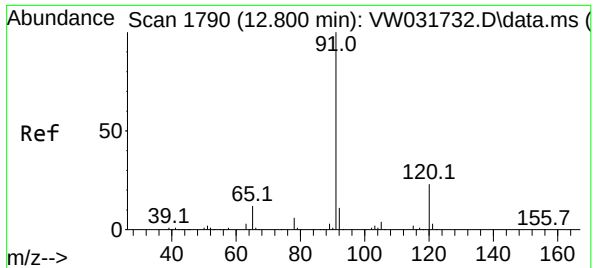
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#73
Isopropylbenzene
Concen: 58.692 ug/l
RT: 12.464 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

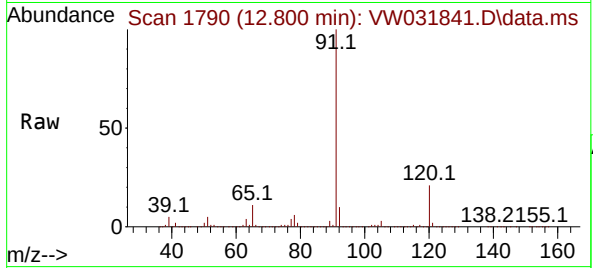
Tgt Ion:105 Resp: 521961
Ion Ratio Lower Upper
105 100
120 25.2 12.8 38.4





#78
n-propylbenzene
Concen: 91.904 ug/l
RT: 12.800 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

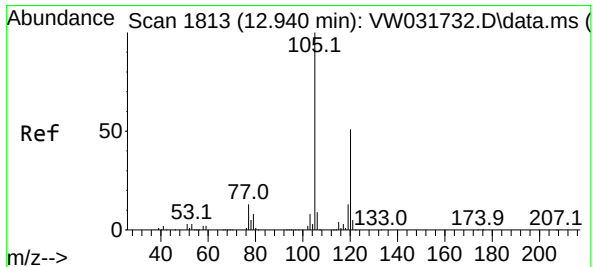
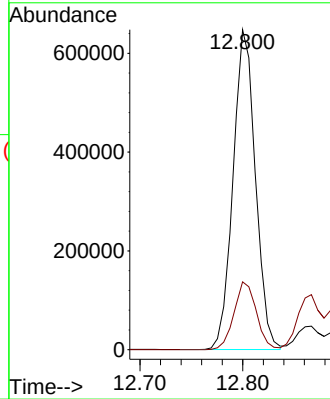
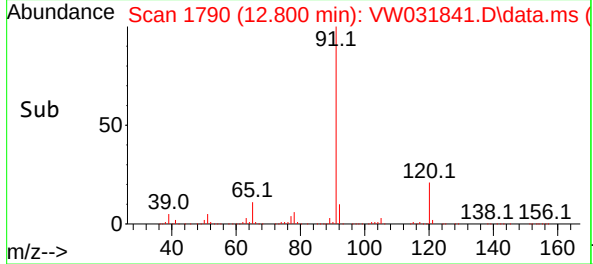
Instrument :
MSVOA_W
ClientSampleId :
GCAP3



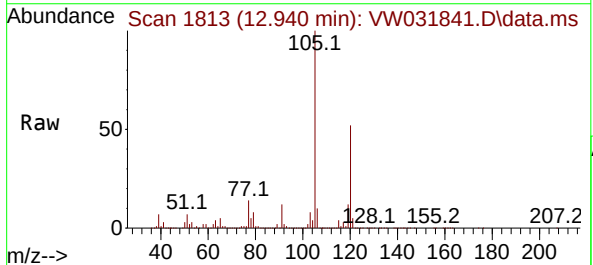
Tgt Ion: 91 Resp: 978725
Ion Ratio Lower Upper
91 100
120 21.3 11.5 34.4

Manual Integrations
APPROVED

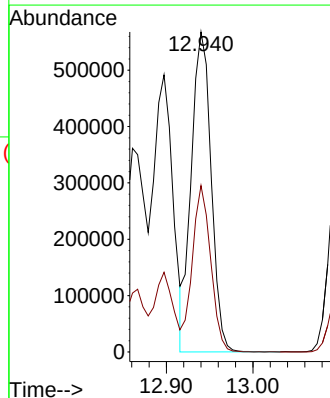
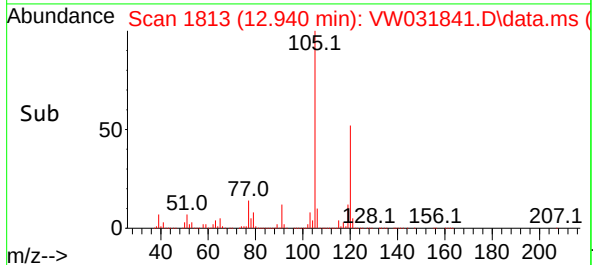
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

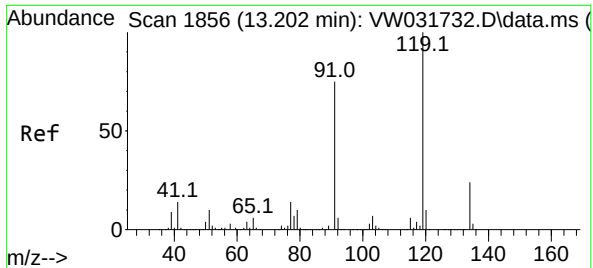


#80
1,3,5-Trimethylbenzene
Concen: 122.731 ug/l
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38



Tgt Ion:105 Resp: 903463
Ion Ratio Lower Upper
105 100
120 48.4 23.8 71.2





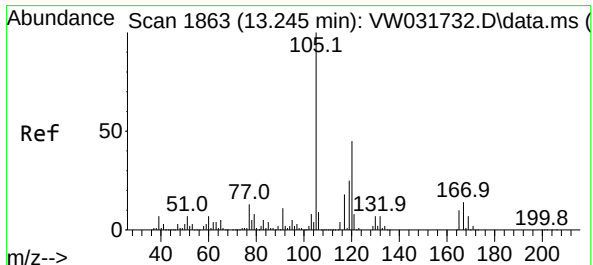
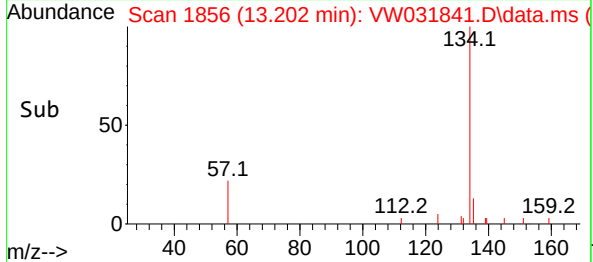
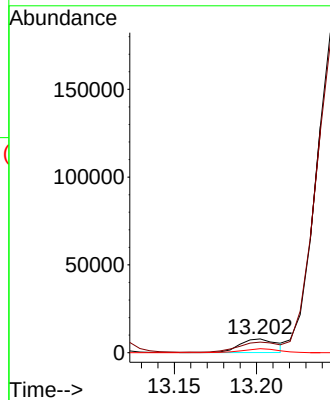
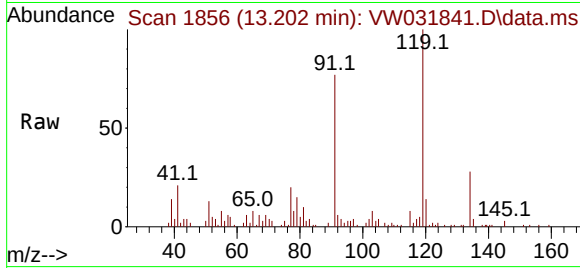
#83
tert-Butylbenzene
Concen: 1.937 ug/l
RT: 13.202 min Scan# 1856
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Tgt Ion:119 Resp: 12210
Ion Ratio Lower Upper
119 100
91 79.6 36.0 108.1
134 27.3 12.4 37.2

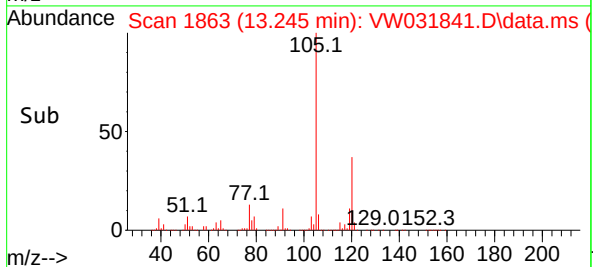
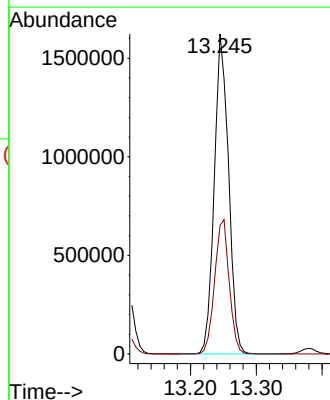
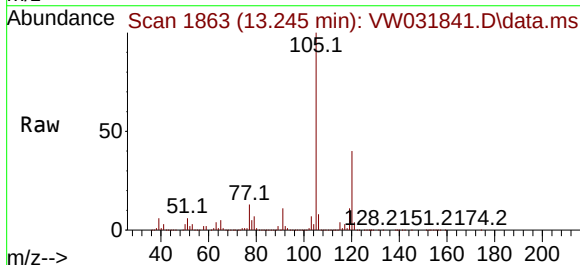
Manual Integrations
APPROVED

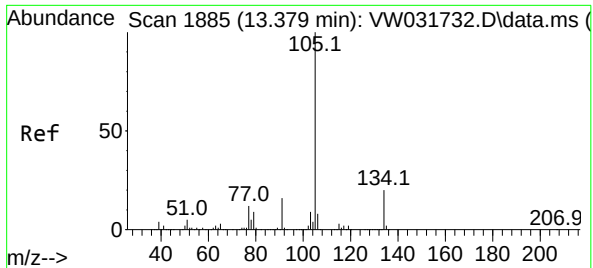
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#84
1,2,4-Trimethylbenzene
Concen: 328.905 ug/l
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:105 Resp: 2453174
Ion Ratio Lower Upper
105 100
120 42.8 22.1 66.1





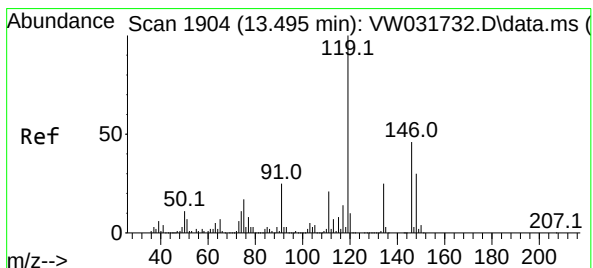
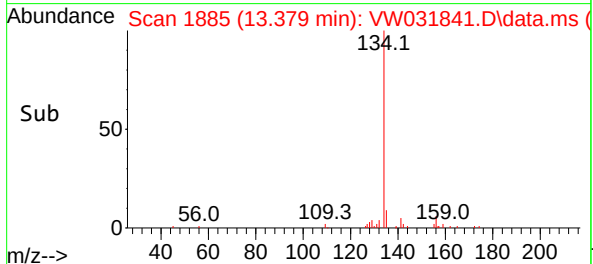
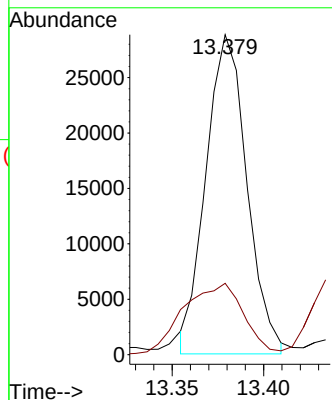
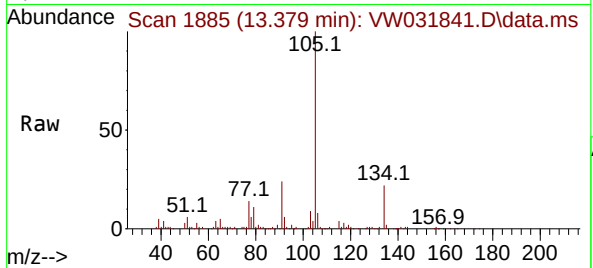
#85
sec-Butylbenzene
Concen: 4.727 ug/l m
RT: 13.379 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Tgt Ion:105 Resp: 44735
Ion Ratio Lower Upper
105 100
134 0.0 9.6 28.8

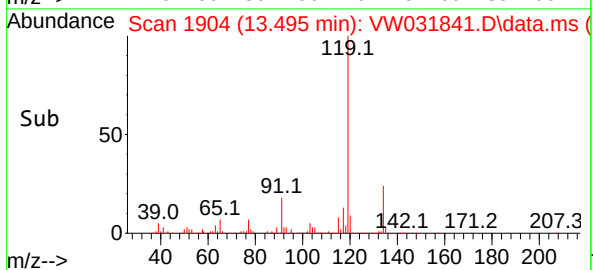
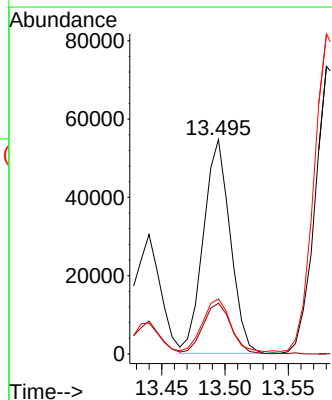
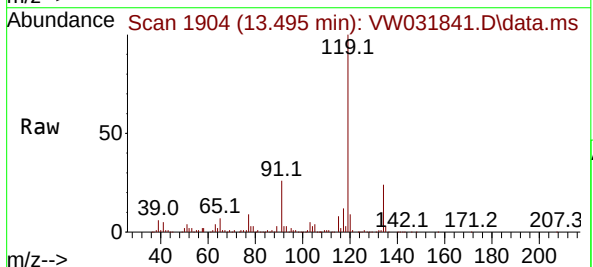
Manual Integrations
APPROVED

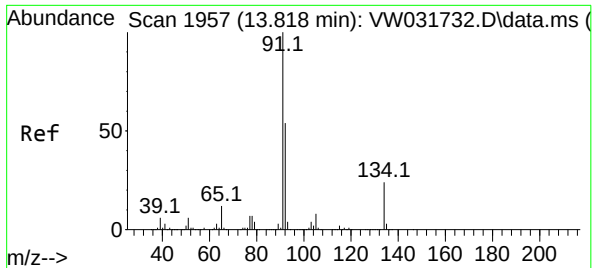
Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#86
p-Isopropyltoluene
Concen: 10.333 ug/l
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW031841.D
Acq: 14 Jul 2025 11:38

Tgt Ion:119 Resp: 80598
Ion Ratio Lower Upper
119 100
134 24.7 12.9 38.7
91 25.0 12.7 38.0





#89

n-Butylbenzene

Concen: 1.565 ug/l m

RT: 13.812 min Scan# 1956

Delta R.T. -0.006 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Instrument :

MSVOA_W

ClientSampleId :

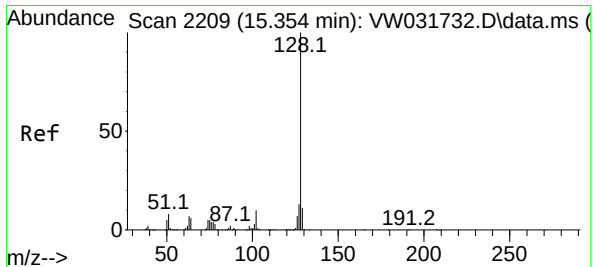
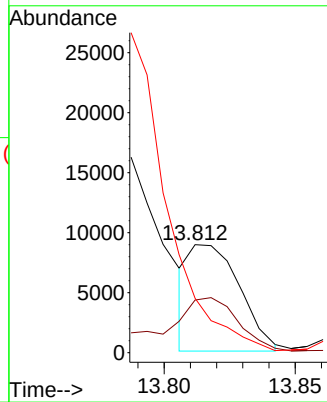
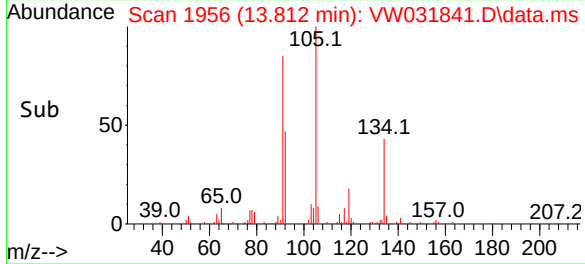
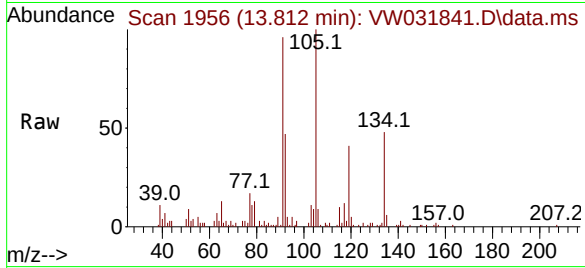
GCAP3

Tgt Ion:	91	Resp:	1186
Ion	Ratio	Lower	Upper
91	100		
92	5.1	27.2	81.5
134	48.7	12.2	36.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



#95

Naphthalene

Concen: 1.280 ug/l

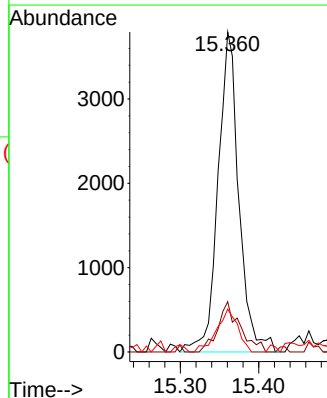
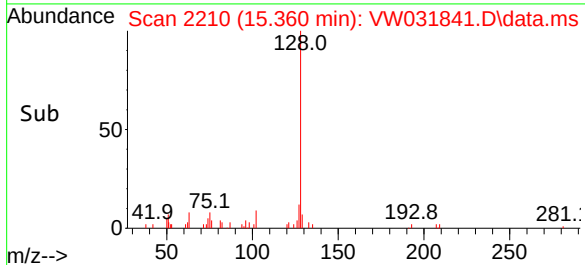
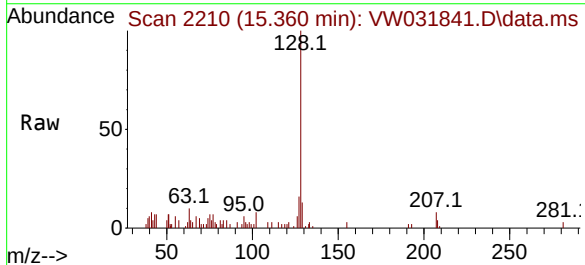
RT: 15.360 min Scan# 2210

Delta R.T. 0.006 min

Lab File: VW031841.D

Acq: 14 Jul 2025 11:38

Tgt Ion:	128	Resp:	7035
Ion	Ratio	Lower	Upper
128	100		
127	16.6	10.8	16.2#
129	13.5	8.7	13.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031841.D
 Acq On : 14 Jul 2025 11:38
 Operator : SY/MD
 Sample : Q2503-04
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP3

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_W\Method\82W063025S.M
 Title : SW846 8260

Signal : TIC: VW031841.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.082	186	196	217	rBV	638235	1862571	4.92%	0.890%
2	3.436	246	254	274	rVB	174313	492296	1.30%	0.235%
3	4.161	357	373	396	rVB4	114422	457656	1.21%	0.219%
4	4.996	485	510	544	rBV2	1364216	7994883	21.10%	3.821%
5	5.478	571	589	620	rBV	2255204	8772267	23.15%	4.192%
6	5.972	658	670	692	rVB	901001	2758676	7.28%	1.318%
7	6.752	785	798	812	rBV4	144343	510441	1.35%	0.244%
8	6.905	812	823	829	rVV	220479	714514	1.89%	0.341%
9	7.008	829	840	862	rVV	6155614	19538746	51.56%	9.337%
10	7.715	949	956	974	rVB	189797	548975	1.45%	0.262%
11	7.971	974	998	1006	rBV2	4868700	15242671	40.23%	7.284%
12	8.051	1006	1011	1022	rVB	925542	2456615	6.48%	1.174%
13	8.173	1022	1031	1036	rBV	1031807	2477274	6.54%	1.184%
14	8.240	1036	1042	1051	rVV	1252230	3292902	8.69%	1.574%
15	8.325	1051	1056	1066	rVB	165187	396554	1.05%	0.190%
16	8.447	1066	1076	1082	rBV	4682995	11209604	29.58%	5.357%
17	8.520	1082	1088	1093	rVV	4549970	10258643	27.07%	4.903%
18	8.587	1093	1099	1110	rVB	5591392	13152341	34.71%	6.285%
19	8.703	1110	1118	1130	rVB	734870	1571858	4.15%	0.751%
20	8.849	1132	1142	1147	rBV2	1192499	2847016	7.51%	1.361%
21	8.892	1147	1149	1155	rVB	505571	765255	2.02%	0.366%
22	9.124	1183	1187	1206	rVB	295813	650160	1.72%	0.311%
23	9.343	1207	1223	1240	rBV	15075697	37893261	100.00%	18.109%
24	9.526	1240	1253	1260	rBV	2389295	4538656	11.98%	2.169%
25	9.617	1260	1268	1275	rVB	597080	1186998	3.13%	0.567%
26	9.758	1281	1291	1300	rVB3	1024318	2329723	6.15%	1.113%
27	9.855	1300	1307	1313	rBV	2149956	4103670	10.83%	1.961%
28	9.910	1313	1316	1321	rVV3	328583	567522	1.50%	0.271%
29	10.087	1339	1345	1358	rBV3	397844	910130	2.40%	0.435%
30	10.209	1358	1365	1370	rBV	991870	1907579	5.03%	0.912%
31	10.325	1377	1384	1389	rBV2	1944063	3941674	10.40%	1.884%
32	10.508	1407	1414	1423	rVB4	905675	2704646	7.14%	1.293%
33	10.666	1435	1440	1447	rVB	1056199	1842497	4.86%	0.881%
34	10.751	1447	1454	1463	rVB4	1010317	2610418	6.89%	1.247%
35	11.014	1487	1497	1501	rBV4	248138	545041	1.44%	0.260%
36	11.062	1501	1505	1508	rVV	270877	456792	1.21%	0.218%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031841.D
 Acq On : 14 Jul 2025 11:38
 Operator : SY/MD
 Sample : Q2503-04
 Misc : 5.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GCAP3

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_W\Method\82W063025S.M
 Title : SW846 8260

37	11.099	1508	1511	1514	rVV2	230299	391149	1.03%	0.187%
38	11.142	1514	1518	1521	rVV2	507350	932823	2.46%	0.446%
39	11.178	1521	1524	1529	rVV	570754	955545	2.52%	0.457%
40	11.233	1529	1533	1538	rVB	240198	388633	1.03%	0.186%
41	11.635	1592	1599	1604	rBV2	679946	1205465	3.18%	0.576%
42	11.727	1609	1614	1624	rVB2	643184	1192654	3.15%	0.570%
43	11.837	1624	1632	1638	rBV	1971996	3895732	10.28%	1.862%
44	12.166	1675	1686	1703	rVB	391486	837355	2.21%	0.400%
45	12.464	1729	1735	1740	rBV	764825	1224571	3.23%	0.585%
46	12.617	1754	1760	1768	rBV2	382108	644372	1.70%	0.308%
47	12.800	1780	1790	1795	rBV	1277992	1990088	5.25%	0.951%
48	12.861	1795	1800	1803	rVV	925635	1561119	4.12%	0.746%
49	12.897	1803	1806	1809	rVV	1198670	1773240	4.68%	0.847%
50	12.940	1809	1813	1823	rVB	1698012	2643114	6.98%	1.263%
51	13.099	1833	1839	1848	rVB	1002816	1630519	4.30%	0.779%
52	13.245	1857	1863	1877	rVB	4411448	6828841	18.02%	3.263%
53	13.580	1908	1918	1925	rVB2	2200490	4109518	10.84%	1.964%
54	13.757	1942	1947	1962	rVB2	1139537	2348380	6.20%	1.122%
55	14.202	2015	2020	2027	rVB2	495571	789512	2.08%	0.377%
56	14.799	2110	2118	2125	rBV2	203166	398826	1.05%	0.191%

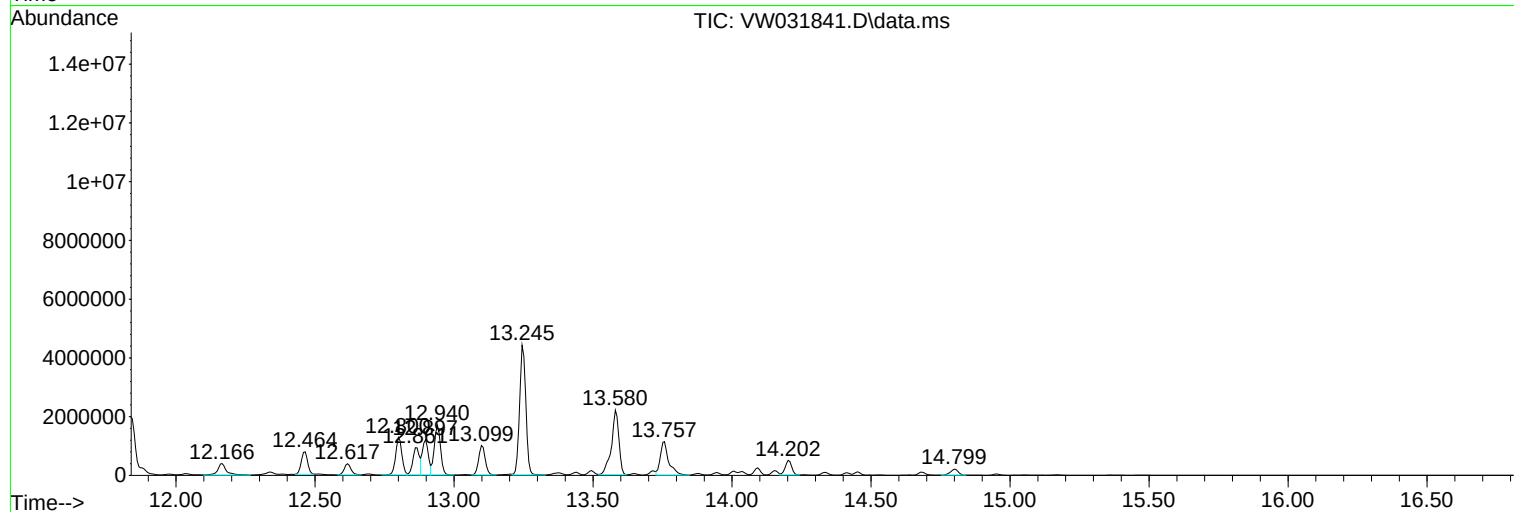
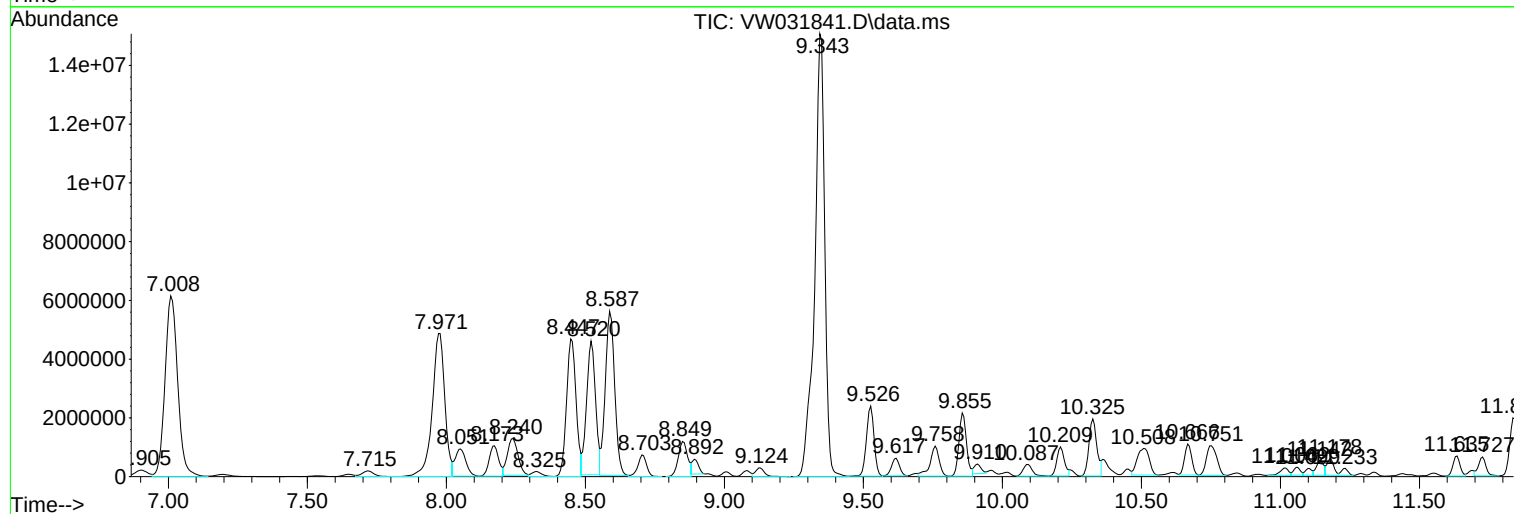
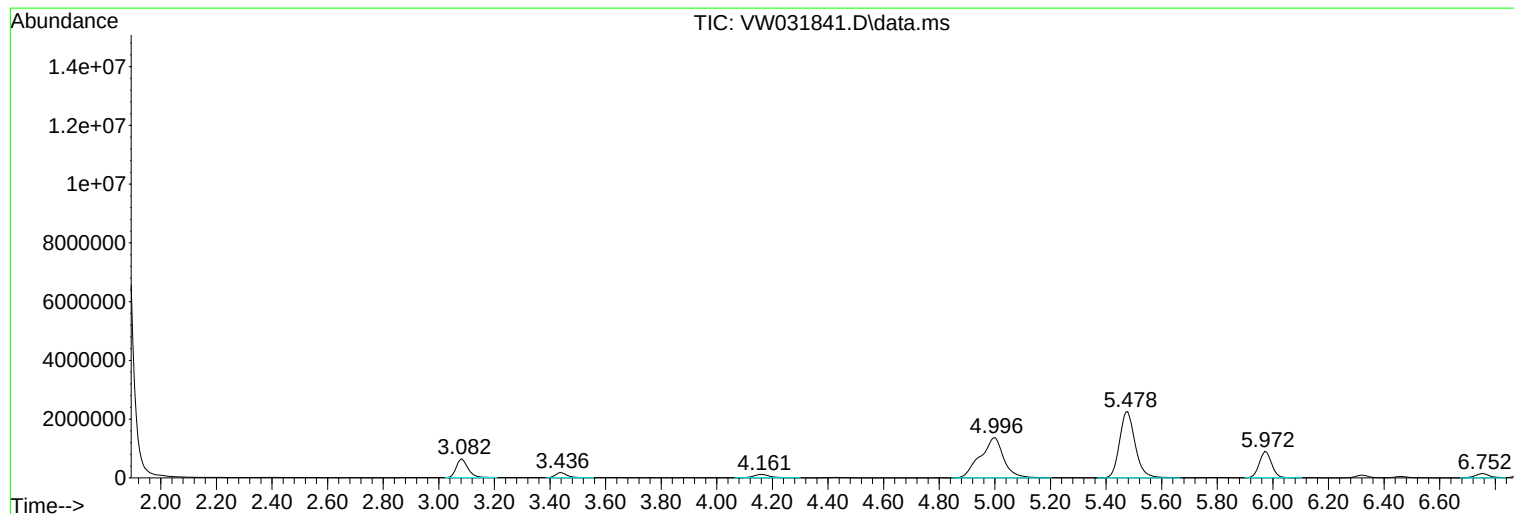
Sum of corrected areas: 209251981

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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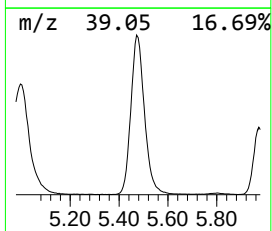
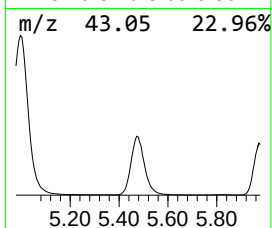
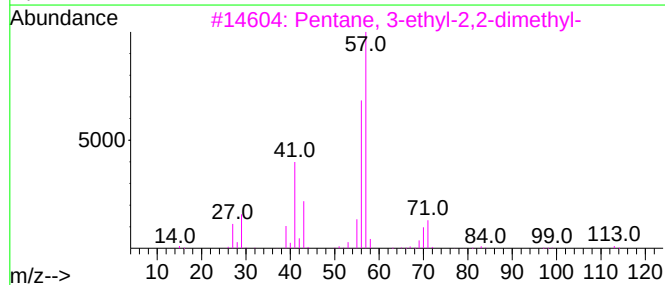
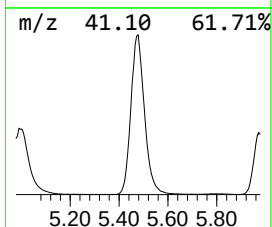
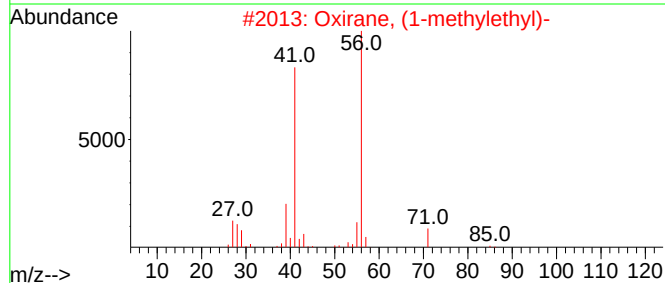
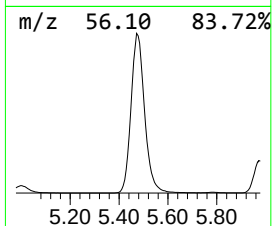
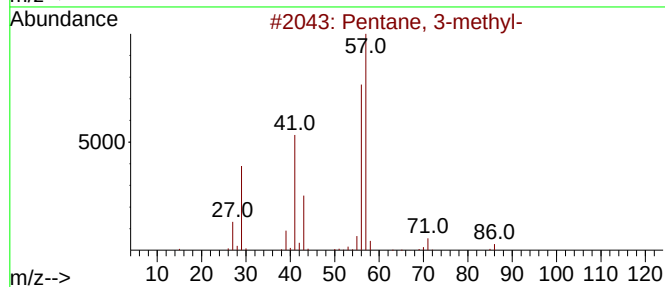
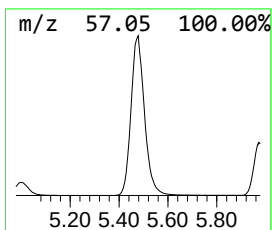
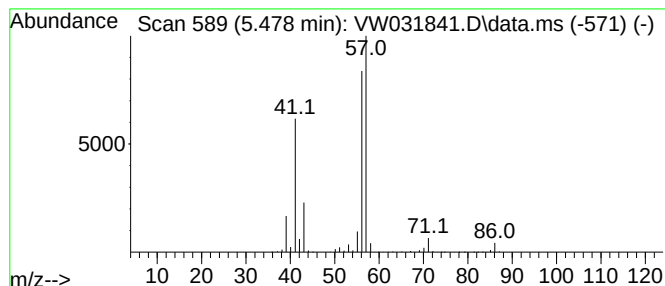
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Quant Title : SW846 8260

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

Peak Number 1 Pentane, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.478	28.78 ug/l	8772270	Pentafluorobenzene	7.965

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2			Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	64
3			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
4			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	43
5			Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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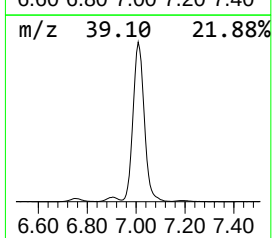
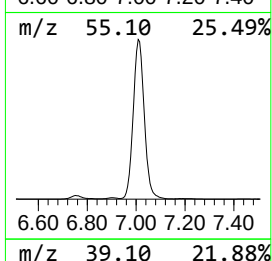
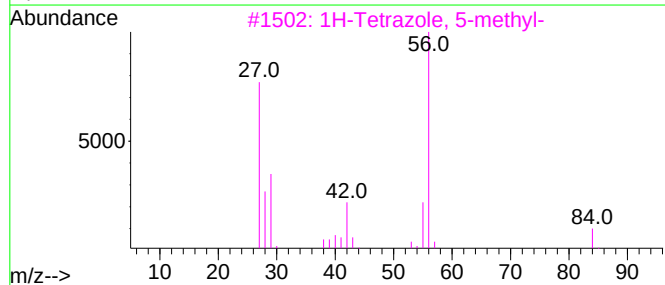
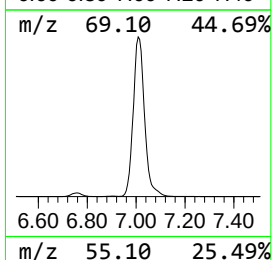
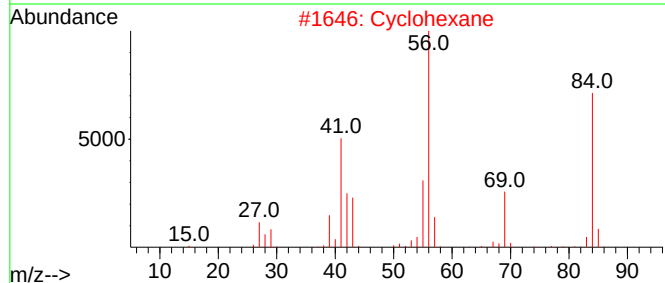
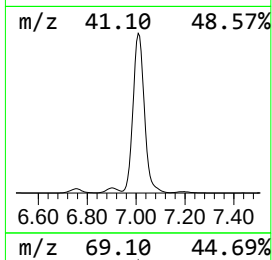
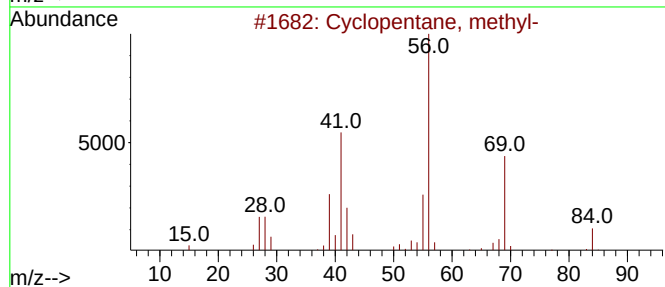
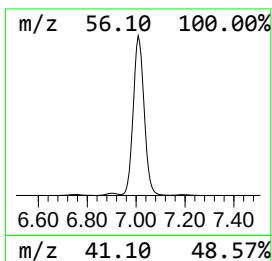
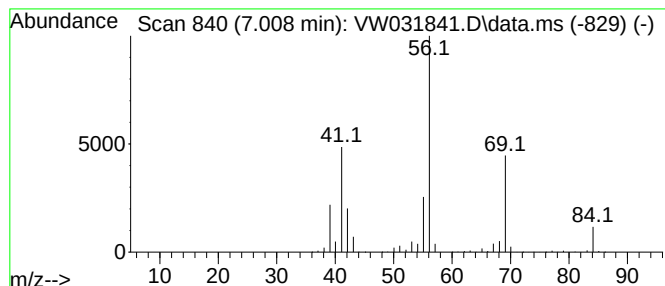
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Quant Title : SW846 8260

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

Peak Number 2 Cyclopentane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.008	64.09 ug/l	19538700	Pentafluorobenzene	7.965

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2			Cyclohexane	84	C6H12	000110-82-7	78
3			1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4			Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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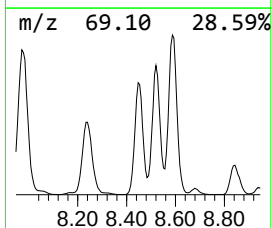
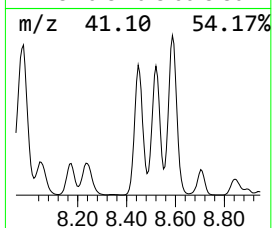
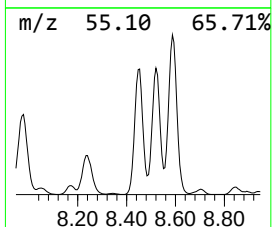
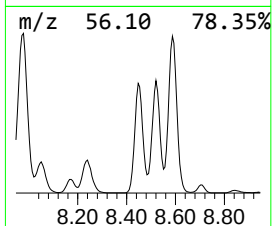
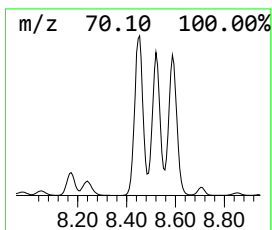
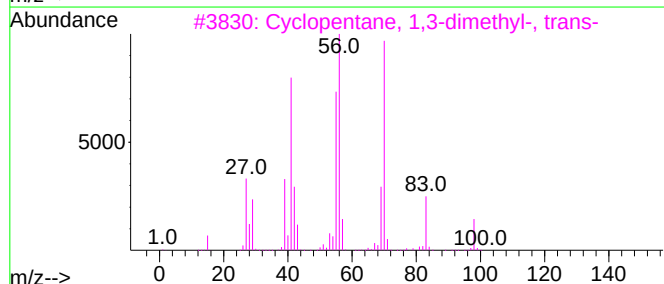
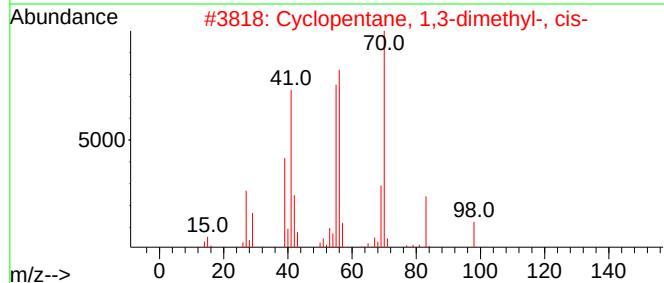
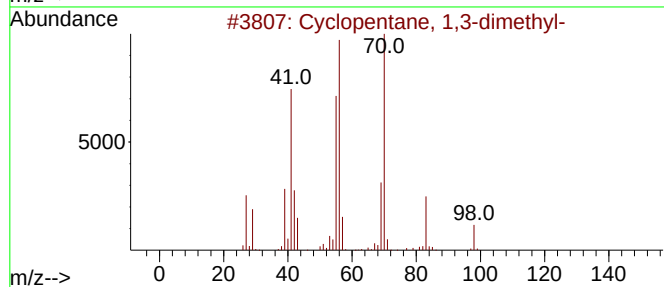
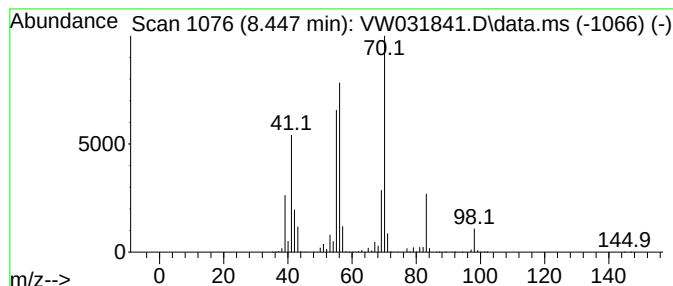
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Quant Title : SW846 8260

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

Peak Number 3 Cyclopentane, 1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.447	196.87 ug/l	11209600	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	94
2			Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
3			Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	94
4			Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
5			Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

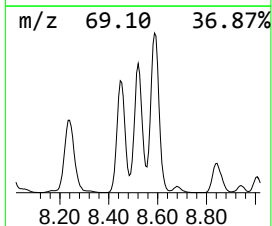
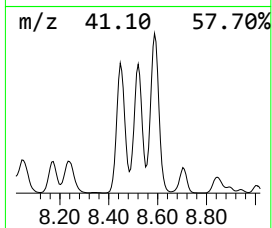
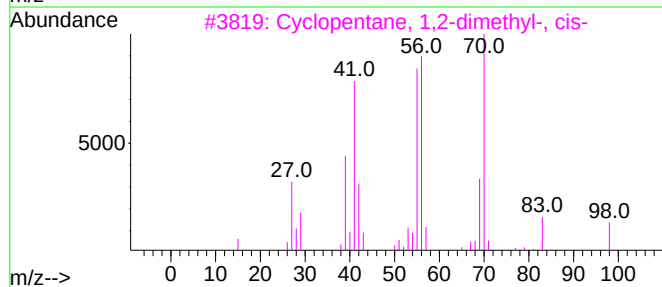
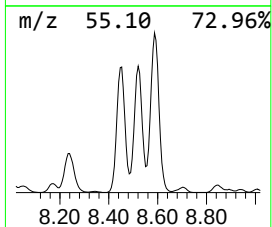
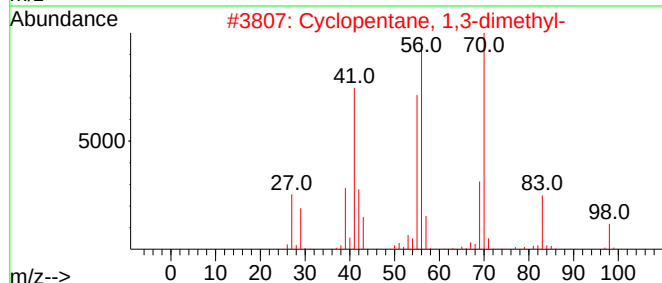
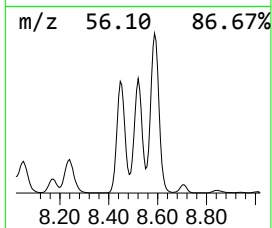
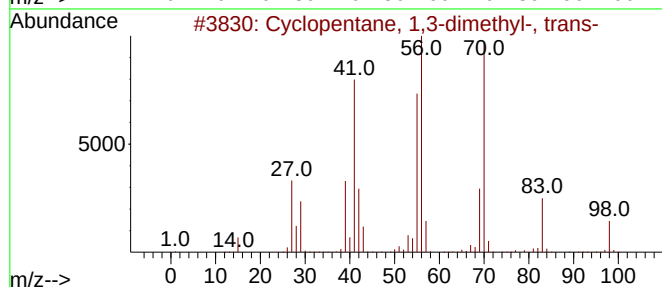
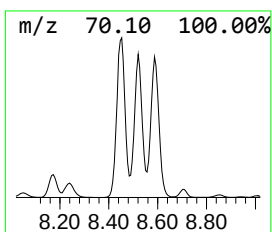
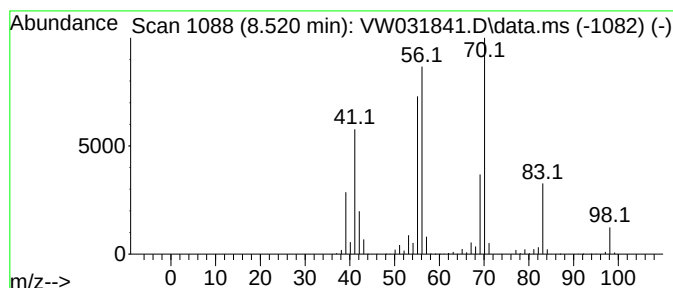
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Quant Title : SW846 8260

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

Peak Number 4 Cyclopentane, 1,3-dimethyl-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.520	180.16 ug/l	10258600	1,4-Difluorobenzene	8.855

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
2		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
3		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
4		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	76
5		1-Hexene, 5-methyl-	98	C7H14	003524-73-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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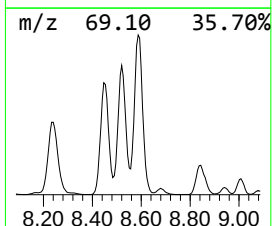
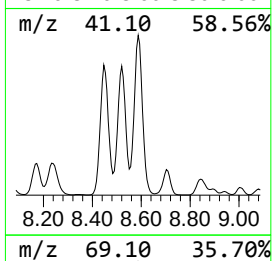
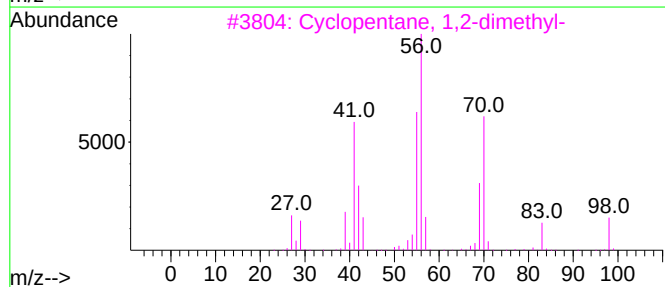
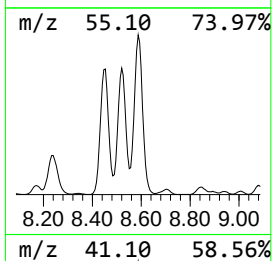
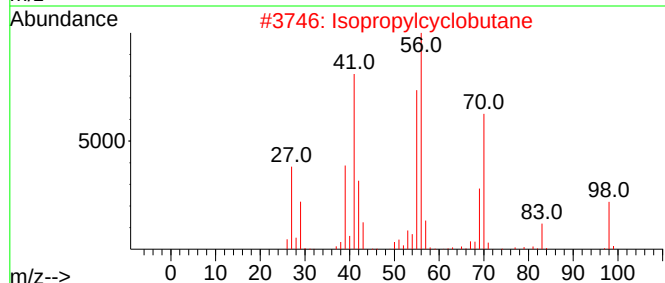
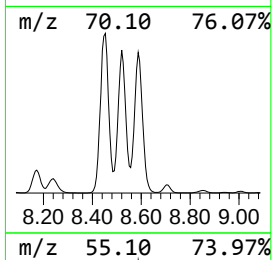
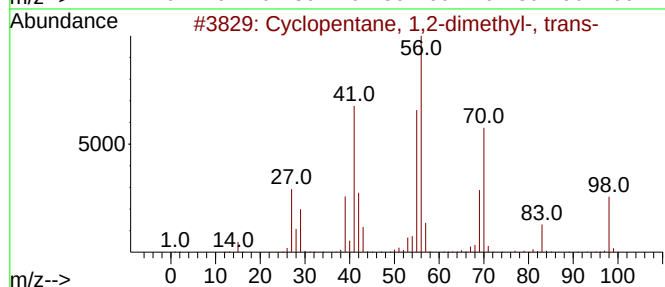
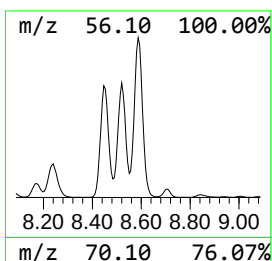
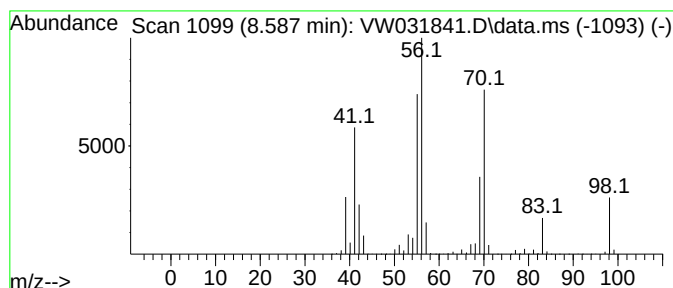
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Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, 1,2-dimethyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.587	230.99 ug/l	13152300	1,4-Difluorobenzene	8.855

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2		Isopropylcyclobutane	98	C7H14	000872-56-0	94
3		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	83
5		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

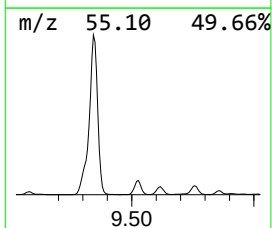
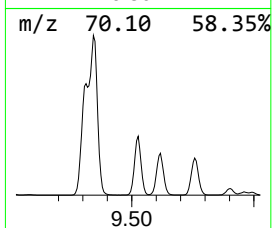
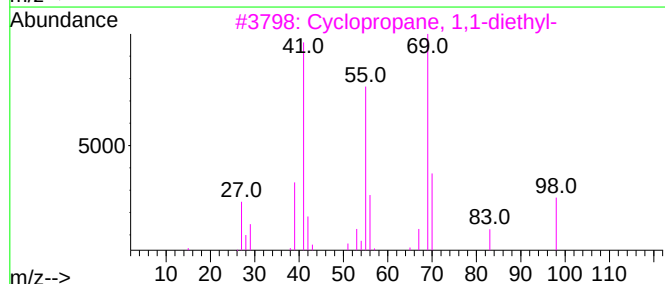
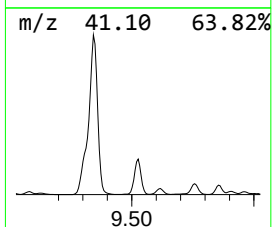
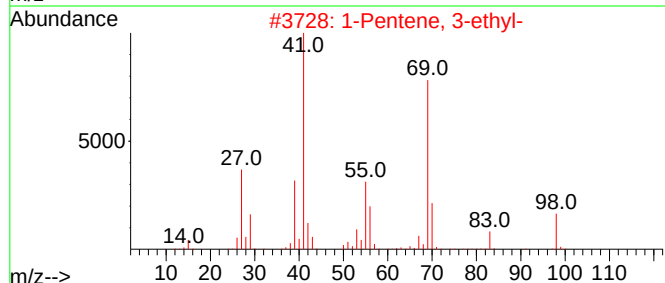
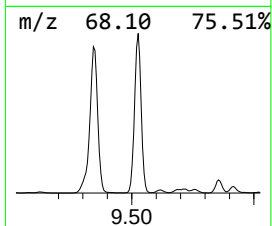
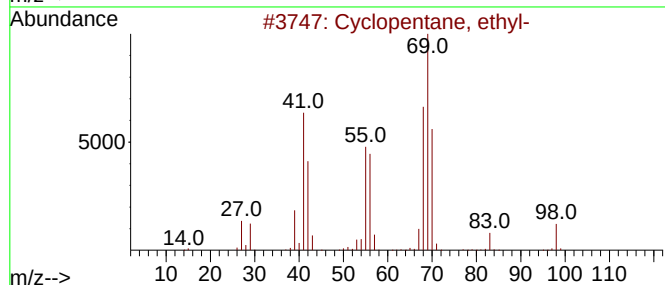
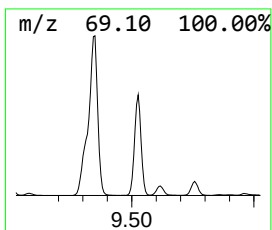
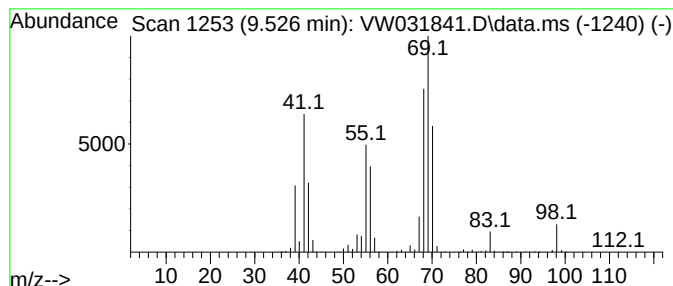
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Quant Title : SW846 8260

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

Peak Number 6 Cyclopentane, ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.526	79.71 ug/l	4538660	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, ethyl-	98	C7H14	001640-89-7	96
2			1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	46
3			Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43
4			3-Methyl-2-hexene	98	C7H14	017618-77-8	43
5			Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

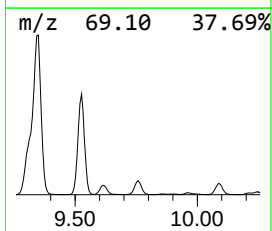
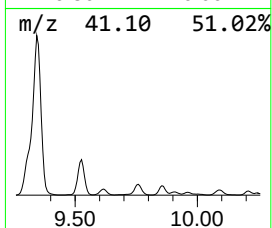
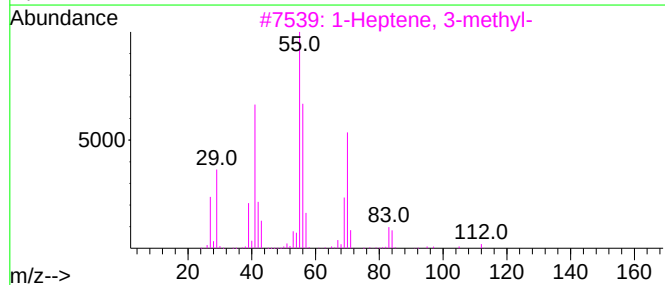
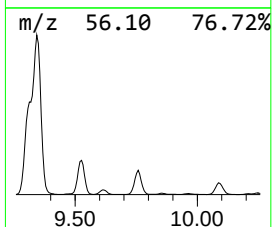
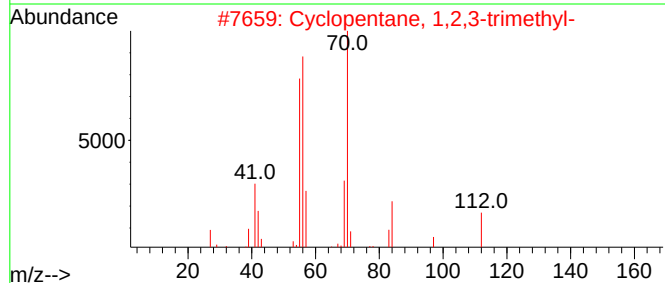
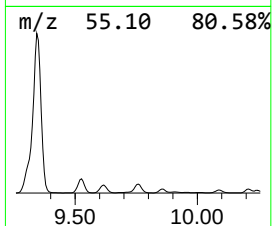
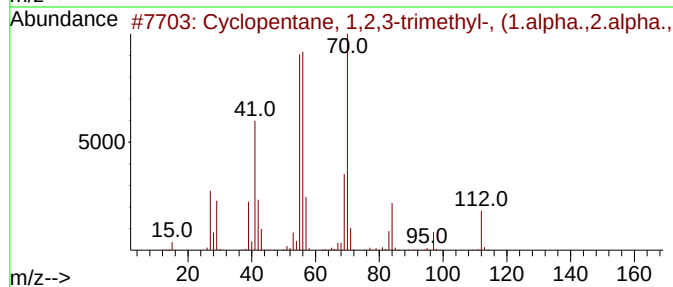
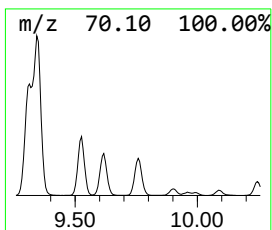
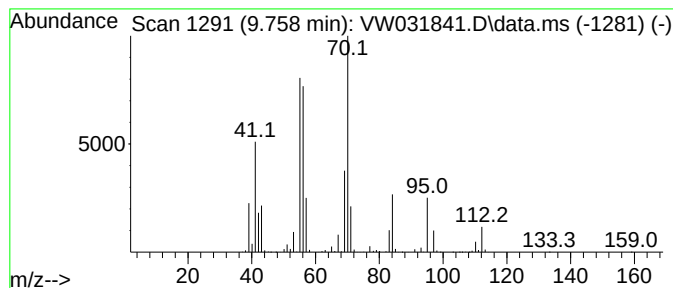
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Quant Title : SW846 8260

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

Peak Number 7 Cyclopentane, 1,2,3-trimeth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.758	40.92 ug/l	2329720	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	93
2			Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
3			1-Heptene, 3-methyl-	112	C8H16	004810-09-7	76
4			Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	49
5			2-Hexene, 3,5-dimethyl-	112	C8H16	003404-79-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

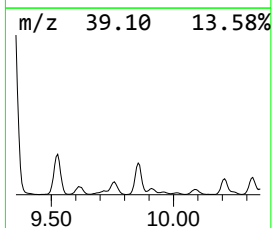
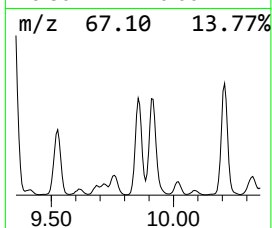
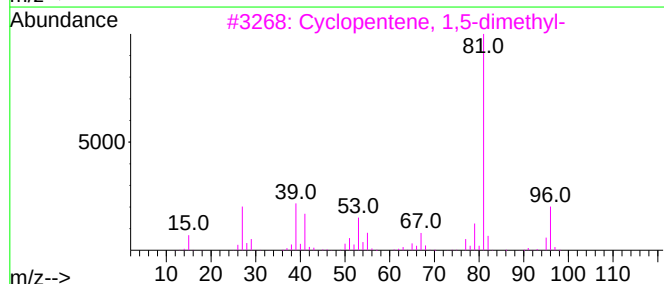
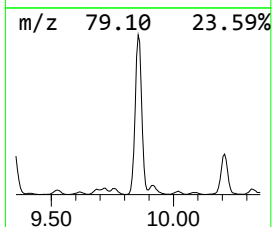
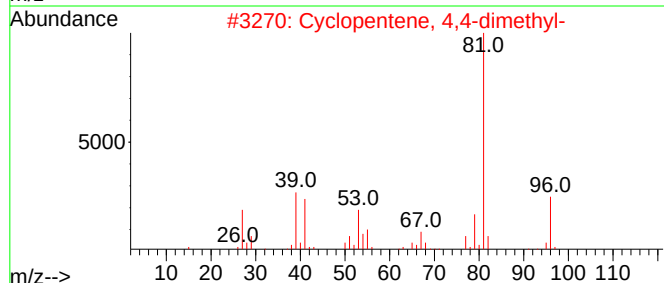
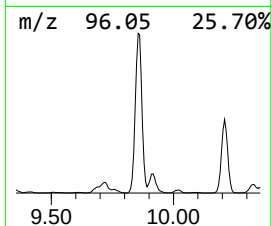
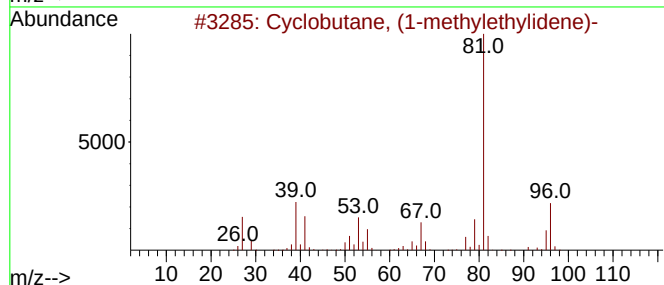
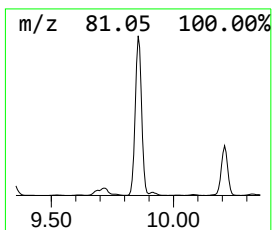
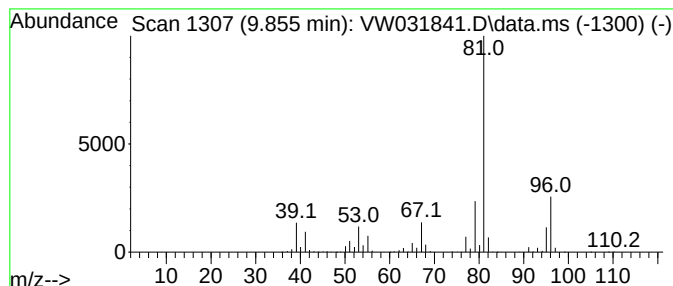
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Quant Title : SW846 8260

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

Peak Number 8 Cyclobutane, (1-methylethyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.855	72.07 ug/l	4103670	1,4-Difluorobenzene	8.855

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2			Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	90
3			Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
4			Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	86
5			2,4-Heptadiene, (E,E)-	96	C7H12	002384-94-3	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

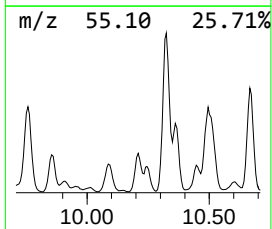
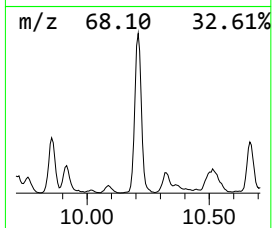
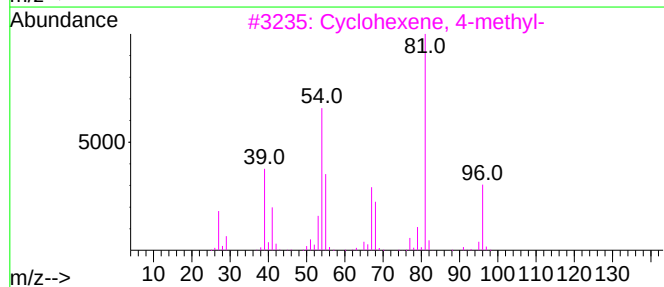
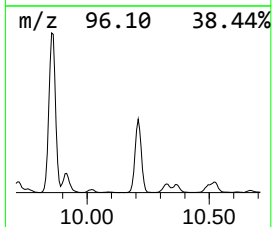
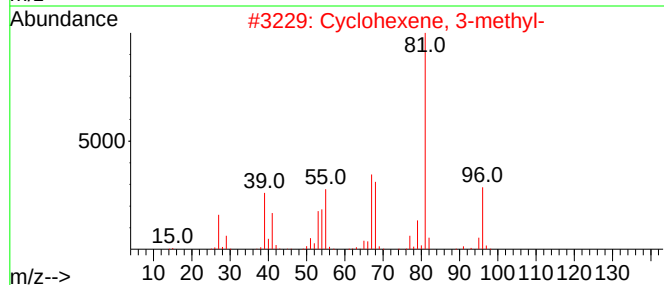
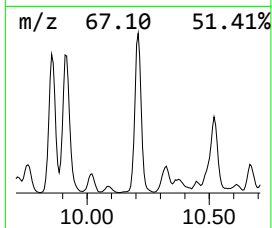
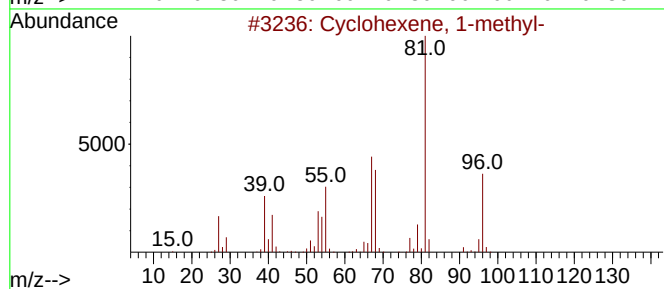
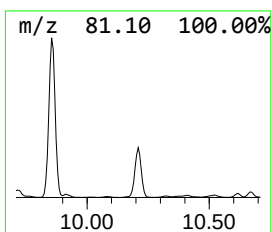
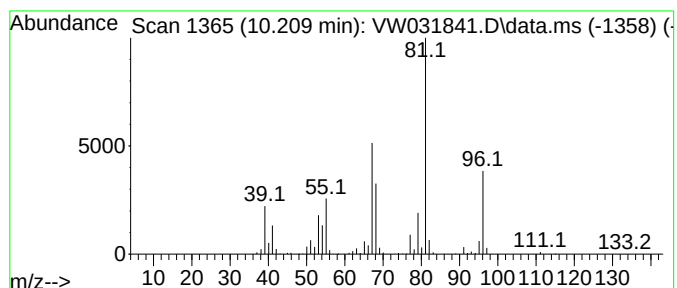
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 9 Cyclohexene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.209	33.50 ug/l	1907580	1,4-Difluorobenzene	8.855	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	95
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	94
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	81
4	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	68
5	Cyclohexane, methylene-	96	C7H12	001192-37-6	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

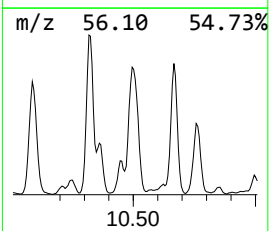
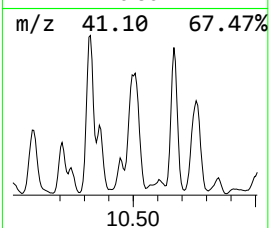
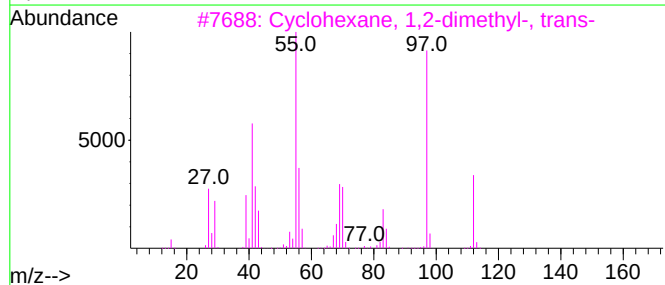
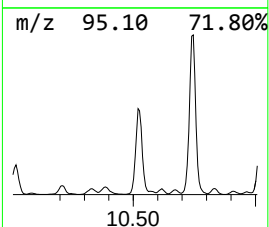
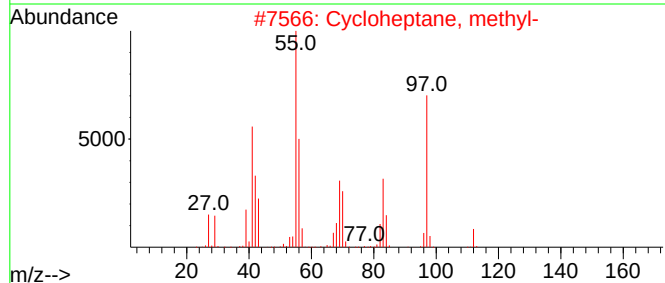
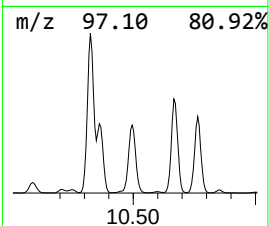
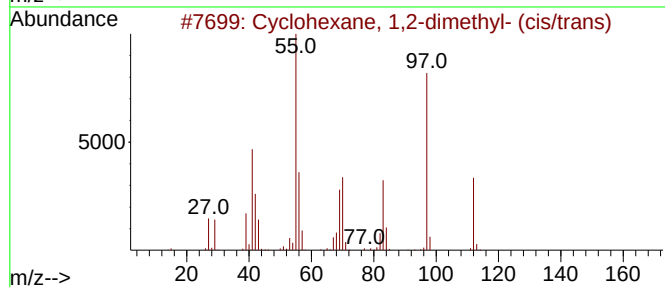
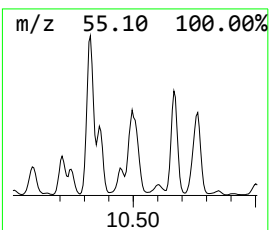
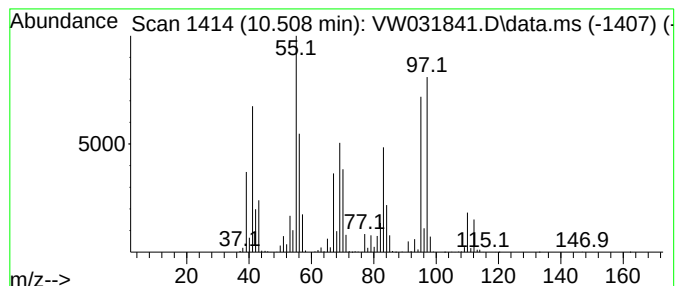
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Quant Title : SW846 8260

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

Peak Number 10 Cyclohexane, 1,2-dimethyl- ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.508	112.18 ug/l	2704650	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	64
2			Cycloheptane, methyl-	112	C8H16	004126-78-7	62
3			Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	58
4			Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	38
5			Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

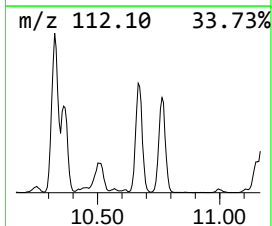
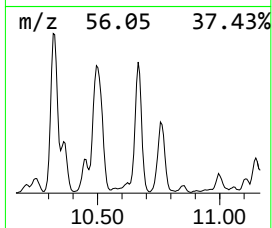
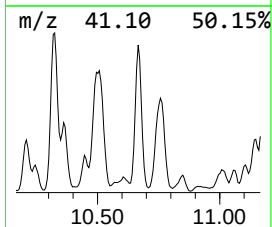
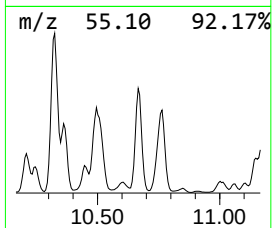
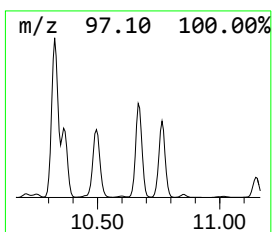
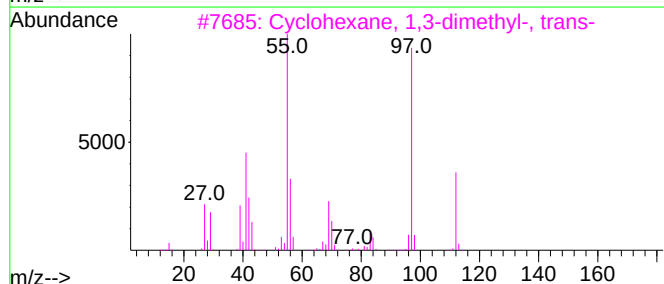
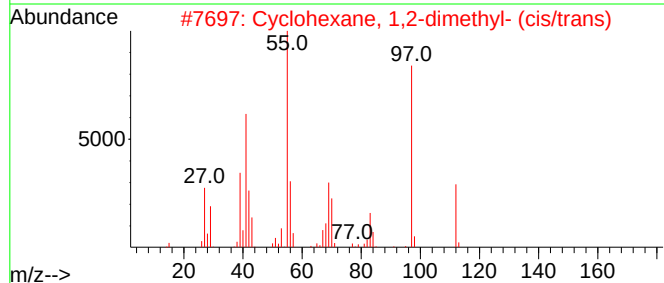
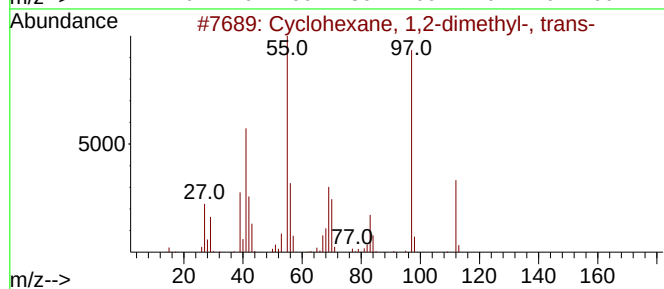
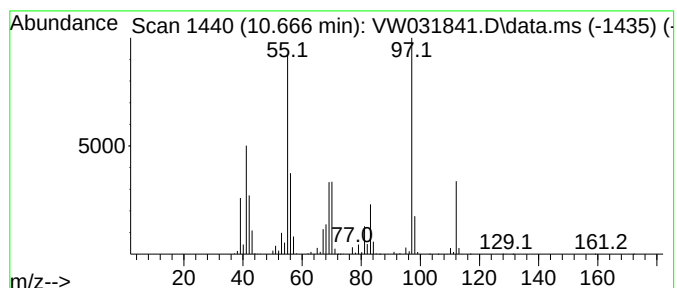
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 11 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.666	76.42 ug/l	1842500	Chlorobenzene-d5	11.629

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	93
2		Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
3		Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72
4		Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	64
5		1H-Pyrazole, 4,5-dihydro-3,5,5-t...	112	C6H12N2	003975-85-7	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

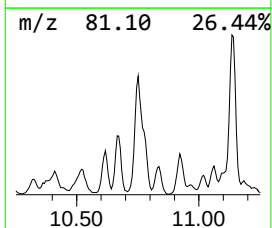
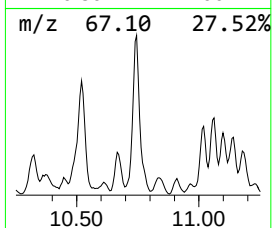
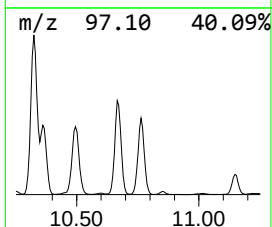
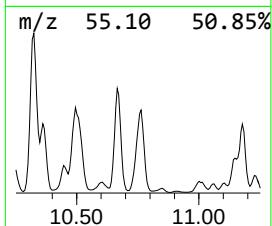
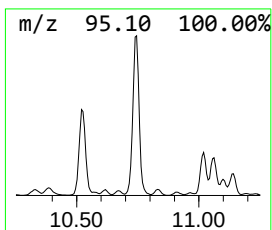
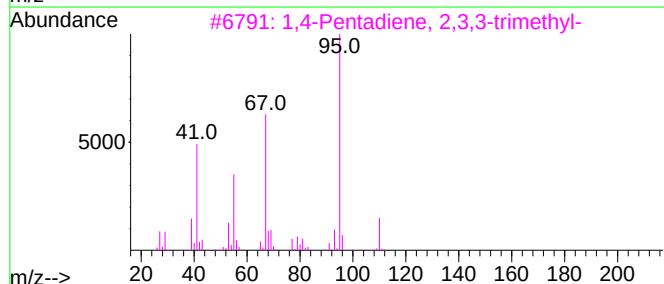
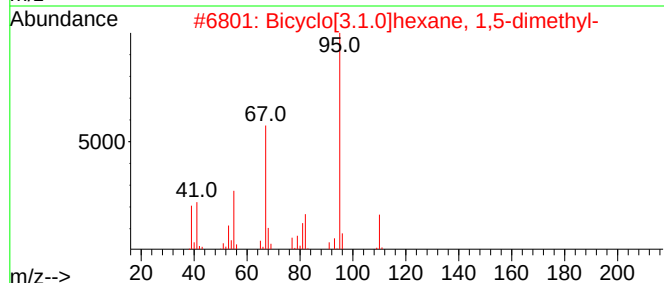
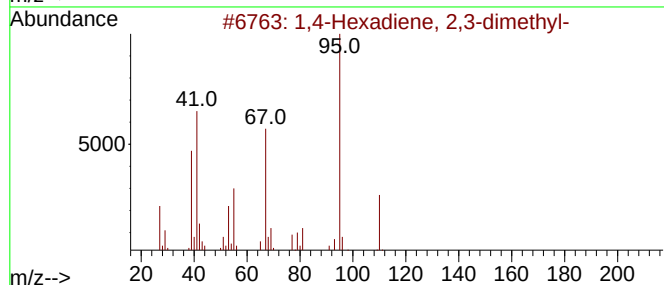
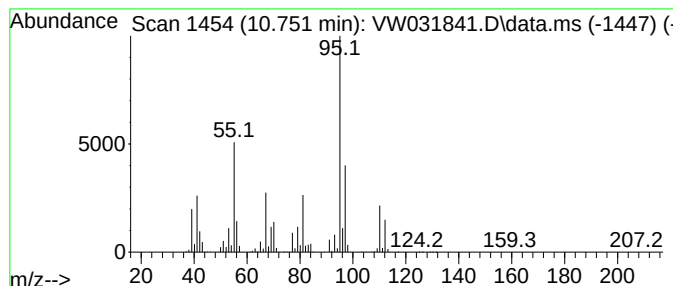
Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 12 1,4-Hexadiene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.751	108.27 ug/l	2610420	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Hexadiene, 2,3-dimethyl-	110	C8H14	018669-52-8	62
2	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	55
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	49
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	49
5	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

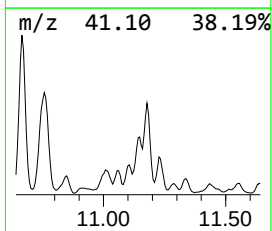
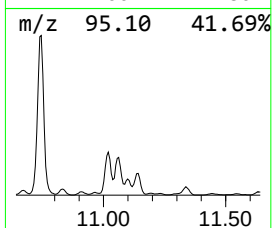
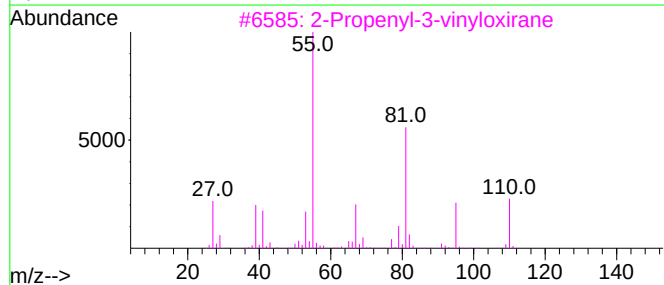
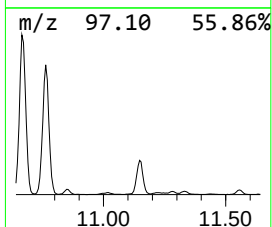
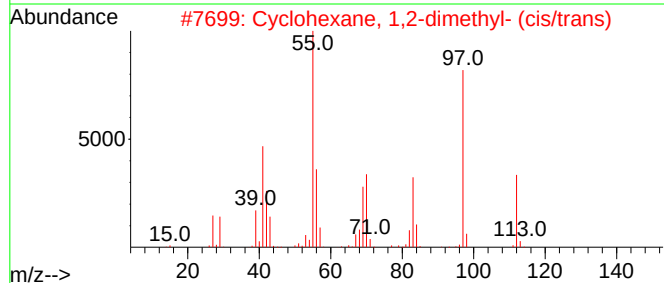
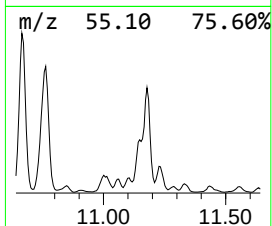
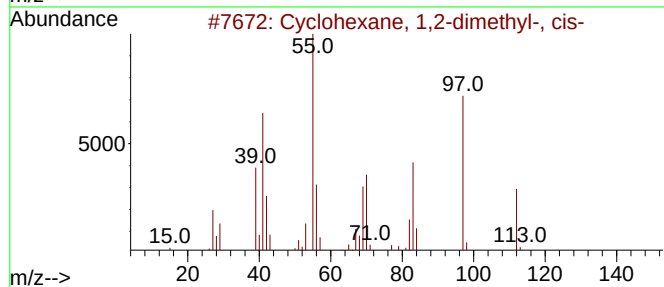
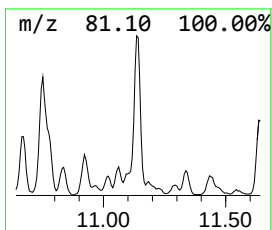
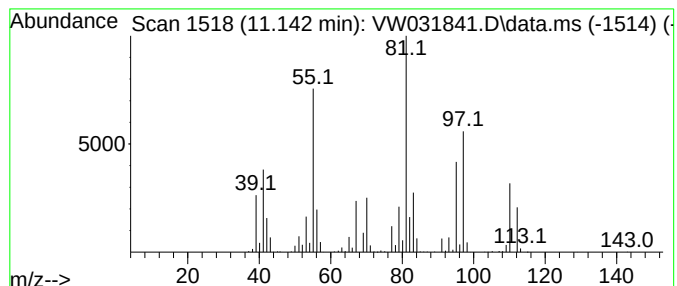
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 13 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.142	38.69 ug/l	932823	Chlorobenzene-d5	11.629	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	93
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	70
3	2-Propenyl-3-vinyloxirane	110	C7H10O	070597-49-8	43
4	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	38
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	35



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

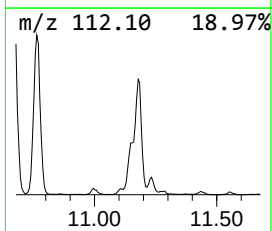
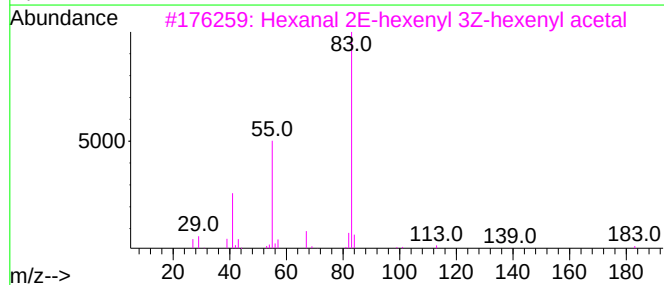
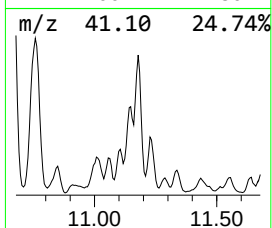
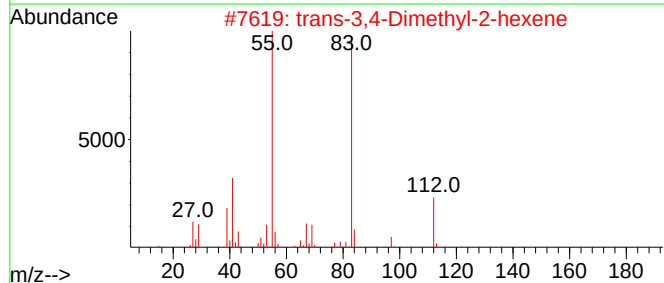
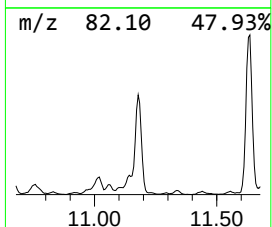
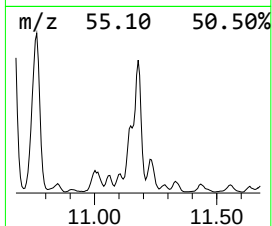
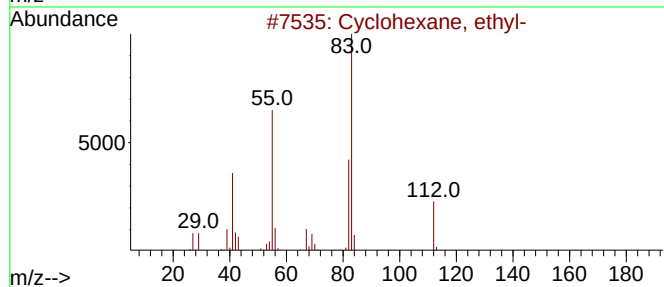
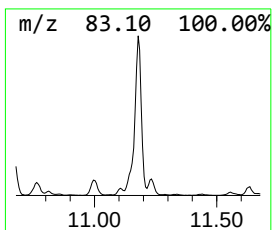
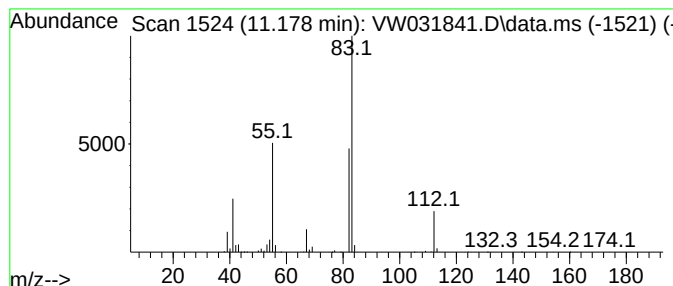
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 14 Cyclohexane, ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.178	39.63 ug/l	955545	Chlorobenzene-d5	11.629

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, ethyl-	112	C8H16	001678-91-7	90
2			trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	50
3			Hexanal 2E-hexenyl 3Z-hexenyl ac...	282	C18H34O2	1000431-43-4	50
4			Oxalic acid, cyclohexyl propyl e...	214	C11H18O4	1000309-30-3	50
5			4-Oxohex-2-enal	112	C6H8O2	020697-55-6	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

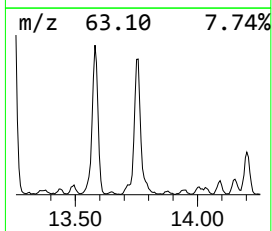
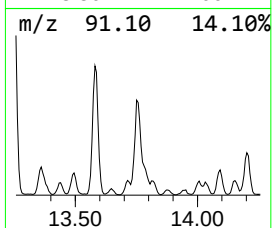
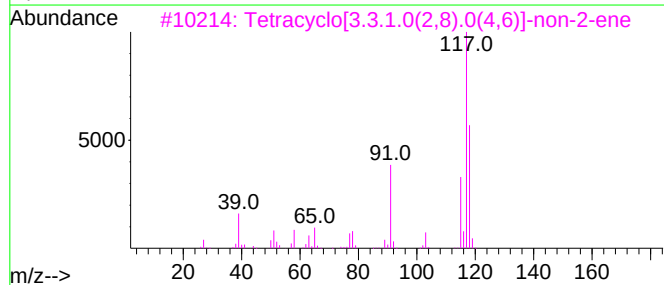
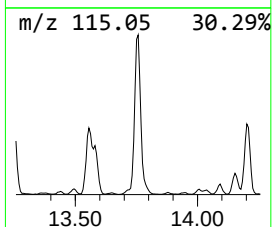
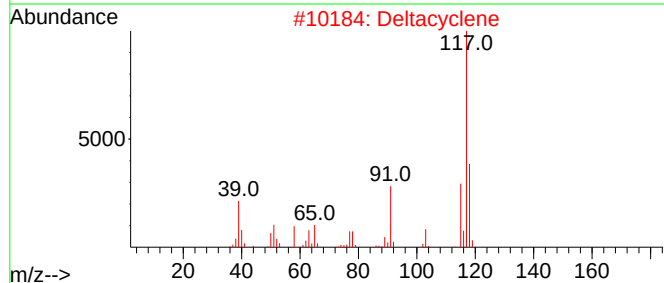
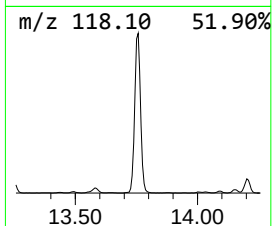
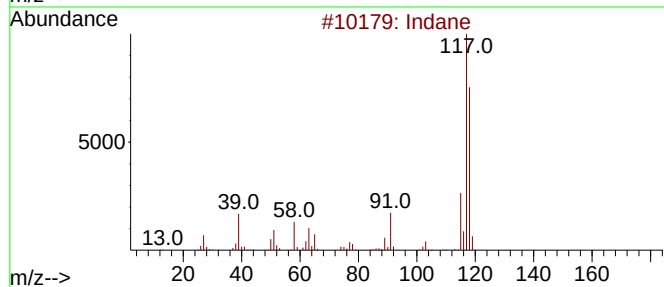
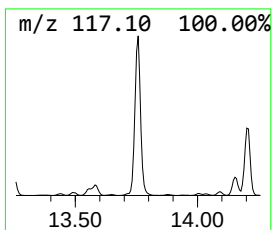
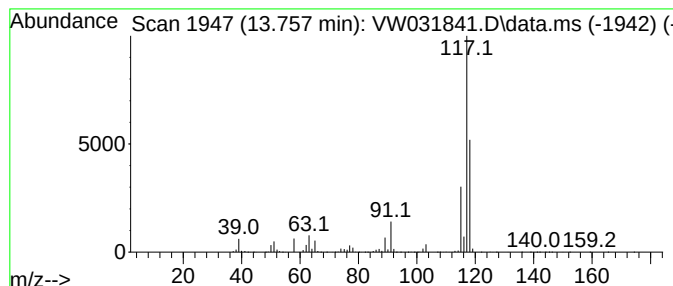
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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

Peak Number 15 Indane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	28.57 ug/l	2348380	1,4-Dichlorobenzene-d4	13.556

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Indane	118	C9H10	000496-11-7	87
2		Deltacyclene	118	C9H10	007785-10-6	64
3		Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4		Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5		Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031841.D
Acq On : 14 Jul 2025 11:38
Operator : SY/MD
Sample : Q2503-04
Misc : 5.06g/5mL/MSVOA_W/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GCAP3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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
Pentane, 3-methyl-	5.478	28.8	ug/l	8772270	1	7.965	15242700	50.0
Cyclopentane, m...	7.008	64.1	ug/l	19538700	1	7.965	15242700	50.0
Cyclopentane, 1...	8.447	196.9	ug/l	11209600	2	8.855	2847020	50.0
Cyclopentane, 1...	8.520	180.2	ug/l	10258600	2	8.855	2847020	50.0
Cyclopentane, 1...	8.587	231.0	ug/l	13152300	2	8.855	2847020	50.0
Cyclopentane, e...	9.526	79.7	ug/l	4538660	2	8.855	2847020	50.0
Cyclopentane, 1...	9.758	40.9	ug/l	2329720	2	8.855	2847020	50.0
Cyclobutane, (1...	9.855	72.1	ug/l	4103670	2	8.855	2847020	50.0
Cyclohexene, 1-...	10.209	33.5	ug/l	1907580	2	8.855	2847020	50.0
Cyclohexane, 1,...	10.508	112.2	ug/l	2704650	3	11.629	1205470	50.0
Cyclohexane, 1,...	10.666	76.4	ug/l	1842500	3	11.629	1205470	50.0
1,4-Hexadiene, ...	10.751	108.3	ug/l	2610420	3	11.629	1205470	50.0
Cyclohexane, 1,...	11.142	38.7	ug/l	932823	3	11.629	1205470	50.0
Cyclohexane, et...	11.178	39.6	ug/l	955545	3	11.629	1205470	50.0
Indane	13.757	28.6	ug/l	2348380	4	13.556	4109520	50.0

Report of Analysis

Client:	G Environmental		Date Collected:	07/02/25	
Project:	Capra		Date Received:	07/03/25	
Client Sample ID:	GCAP3ME		SDG No.:	Q2503	
Lab Sample ID:	Q2503-04ME		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	65.6	
Sample Wt/Vol:	4.49	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047010.D	1	07/15/25 18:10	VX071525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	96.8	UD	96.8	420	ug/Kg
74-87-3	Chloromethane	96.8	UD	96.8	420	ug/Kg
75-01-4	Vinyl Chloride	67.1	UD	67.1	420	ug/Kg
74-83-9	Bromomethane	90.8	UD	90.8	420	ug/Kg
75-00-3	Chloroethane	110	UD	110	420	ug/Kg
75-69-4	Trichlorofluoromethane	100	UD	100	420	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	90.0	UD	90.0	420	ug/Kg
75-35-4	1,1-Dichloroethene	84.9	UD	84.9	420	ug/Kg
67-64-1	Acetone	570	JD	400	2100	ug/Kg
75-15-0	Carbon Disulfide	90.0	UD	90.0	420	ug/Kg
1634-04-4	Methyl tert-butyl Ether	62.0	UD	62.0	420	ug/Kg
79-20-9	Methyl Acetate	130	UDQ	130	420	ug/Kg
75-09-2	Methylene Chloride	300	UD	300	850	ug/Kg
156-60-5	trans-1,2-Dichloroethene	73.0	UD	73.0	420	ug/Kg
75-34-3	1,1-Dichloroethane	67.9	UD	67.9	420	ug/Kg
110-82-7	Cyclohexane	1500	D	67.1	420	ug/Kg
78-93-3	2-Butanone	560	UDQ	560	2100	ug/Kg
56-23-5	Carbon Tetrachloride	82.3	UD	82.3	420	ug/Kg
156-59-2	cis-1,2-Dichloroethene	63.7	UD	63.7	420	ug/Kg
74-97-5	Bromochloromethane	97.6	UD	97.6	420	ug/Kg
67-66-3	Chloroform	71.3	UD	71.3	420	ug/Kg
71-55-6	1,1,1-Trichloroethane	78.9	UD	78.9	420	ug/Kg
108-87-2	Methylcyclohexane	4000	D	77.2	420	ug/Kg
71-43-2	Benzene	67.1	UD	67.1	420	ug/Kg
107-06-2	1,2-Dichloroethane	67.1	UD	67.1	420	ug/Kg
79-01-6	Trichloroethene	68.8	UD	68.8	420	ug/Kg
78-87-5	1,2-Dichloropropane	77.2	UD	77.2	420	ug/Kg
75-27-4	Bromodichloromethane	66.2	UD	66.2	420	ug/Kg
108-10-1	4-Methyl-2-Pentanone	300	UDQ	300	2100	ug/Kg
108-88-3	Toluene	190	JD	66.2	420	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	07/02/25
Project:	Capra	Date Received:	07/03/25
Client Sample ID:	GCAP3ME	SDG No.:	Q2503
Lab Sample ID:	Q2503-04ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	65.6
Sample Wt/Vol:	4.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047010.D	1	07/15/25 18:10	VX071525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	55.2	UD	55.2	420	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	52.6	UD	52.6	420	ug/Kg
79-00-5	1,1,2-Trichloroethane	78.1	UD	78.1	420	ug/Kg
591-78-6	2-Hexanone	310	UDQ	310	2100	ug/Kg
124-48-1	Dibromochloromethane	73.8	UD	73.8	420	ug/Kg
106-93-4	1,2-Dibromoethane	74.7	UD	74.7	420	ug/Kg
127-18-4	Tetrachloroethene	89.1	UD	89.1	420	ug/Kg
108-90-7	Chlorobenzene	77.2	UD	77.2	420	ug/Kg
100-41-4	Ethyl Benzene	56.9	UD	56.9	420	ug/Kg
179601-23-1	m/p-Xylenes	470	JD	110	850	ug/Kg
95-47-6	o-Xylene	69.6	UD	69.6	420	ug/Kg
100-42-5	Styrene	60.3	UD	60.3	420	ug/Kg
75-25-2	Bromoform	73.0	UD	73.0	420	ug/Kg
98-82-8	Isopropylbenzene	120	JD	66.2	420	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	100	UD	100	420	ug/Kg
541-73-1	1,3-Dichlorobenzene	150	UD	150	420	ug/Kg
106-46-7	1,4-Dichlorobenzene	130	UD	130	420	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	UD	120	420	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	160	UD	160	420	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	250	UD	250	420	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	270	UD	270	420	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.4		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	48.5		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	289000	5.556			
540-36-3	1,4-Difluorobenzene	485000	6.763			
3114-55-4	Chlorobenzene-d5	438000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	225000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	07/02/25
Project:	Capra	Date Received:	07/03/25
Client Sample ID:	GCAP3ME	SDG No.:	Q2503
Lab Sample ID:	Q2503-04ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	65.6
Sample Wt/Vol:	4.49 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047010.D	1	07/15/25 18:10	VX071525

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_X\Data\VX071525\
 Data File : VX047010.D
 Acq On : 15 Jul 2025 18:10
 Operator : JC/MD
 Sample : Q2503-04ME
 Misc : 4.49g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GCAP3ME

Quant Time: Jul 16 02:32:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

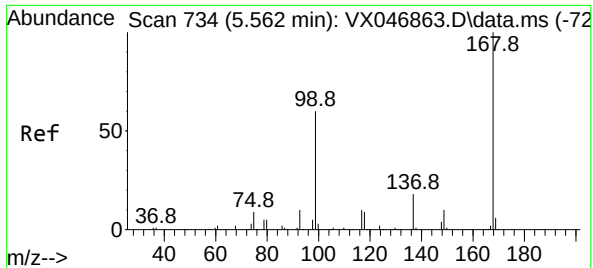
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	288950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	484552	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	438449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	225226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	199872	52.359	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.720%			
35) Dibromofluoromethane	5.397	113	158367	48.148	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.300%			
50) Toluene-d8	8.647	98	562676	48.486	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.980%			
62) 4-Bromofluorobenzene	11.079	95	227361	51.550	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.100%			
Target Compounds					Qvalue	
16) Acetone	2.404	43	7963	6.716	ug/l	95
31) Cyclohexane	5.477	56	98569	18.064	ug/l	97
39) Methylcyclohexane	7.379	83	259722	46.786	ug/l	96
52) Toluene	8.726	92	18453	2.219	ug/l	95
68) m/p-Xylenes	10.299	106	33632	5.498	ug/l	99
73) Isopropylbenzene	10.964	105	22159	1.400	ug/l	98
78) n-propylbenzene	11.305	91	50928	2.668	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	39602	3.078	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	86207	6.630	ug/l	97
86) p-Isopropyltoluene	12.006	119	17728	1.264	ug/l	98

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

Instrument :
MSVOA_X
ClientSampleId :
GCAP3ME

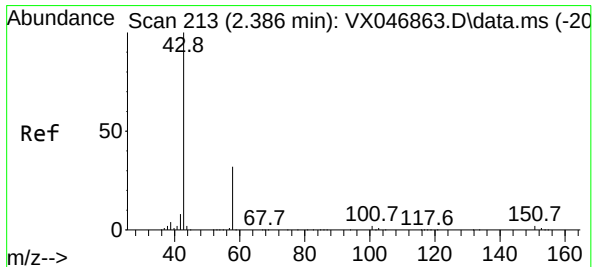
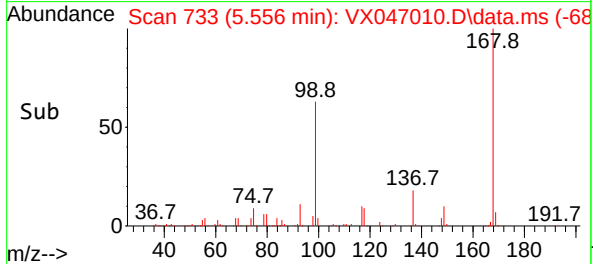
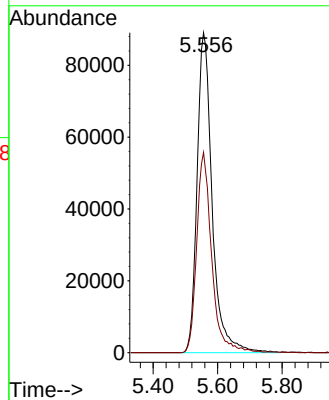
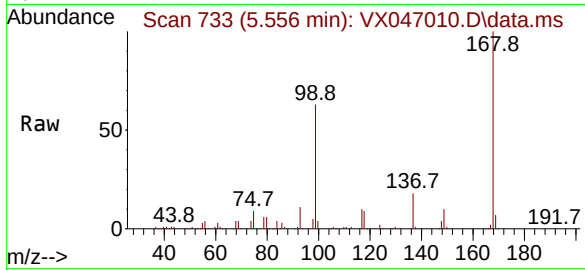
Chromatogram plot showing Abundance vs Time (min). The plot displays numerous peaks, with the most prominent ones labeled: Acetone, T; 1,2-Dichloroethane-d4, S; 1,4-Difluorobenzene, I; Methylcyclohexane, T; Toluene-d8, S; Chlorobenzene-d5, I; 4-Bromofluorobenzene, S; 1,4-Dichlorobenzene-d4, I; and 1,4-Dichlorobenzene-d4, I. The x-axis ranges from 0 to 16.00 minutes, and the y-axis ranges from 0 to 1,350,000 abundance units.



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

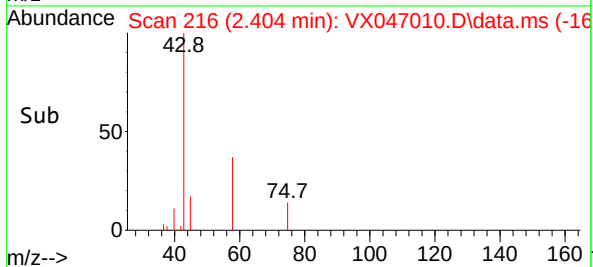
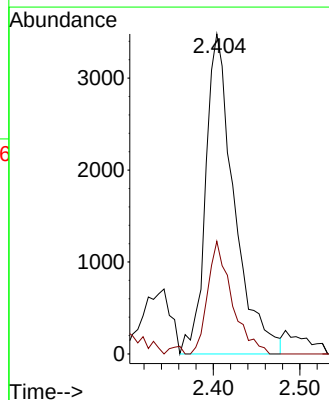
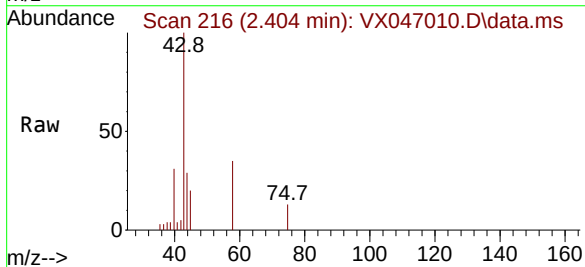
Instrument :
MSVOA_X
ClientSampleId :
GCAP3ME

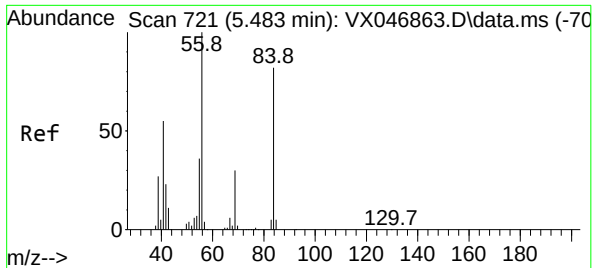
Tgt Ion:168 Resp: 288950
Ion Ratio Lower Upper
168 100
99 62.6 48.8 73.2



#16
Acetone
Concen: 6.716 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.018 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion: 43 Resp: 7963
Ion Ratio Lower Upper
43 100
58 35.2 25.8 38.6

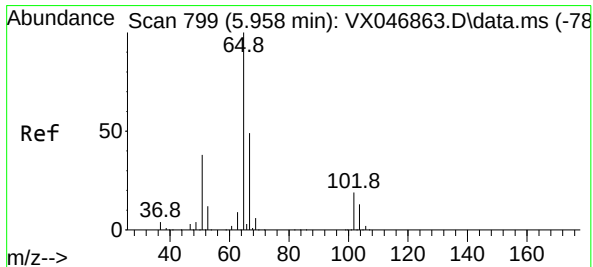
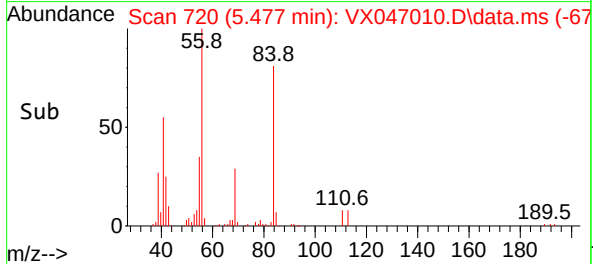
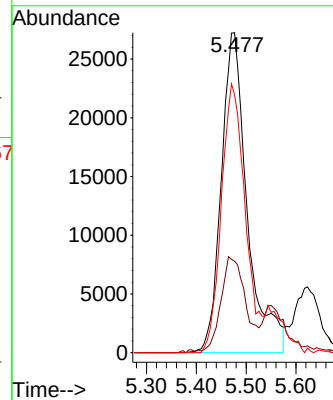
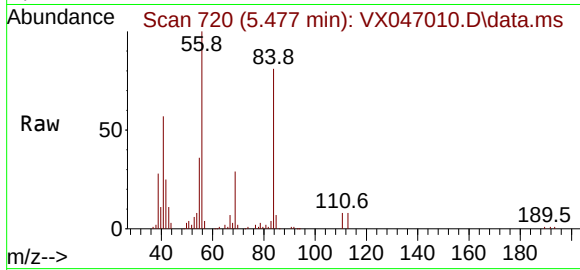




#31
Cyclohexane
Concen: 18.064 ug/l
RT: 5.477 min Scan# 721
Delta R.T. -0.006 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

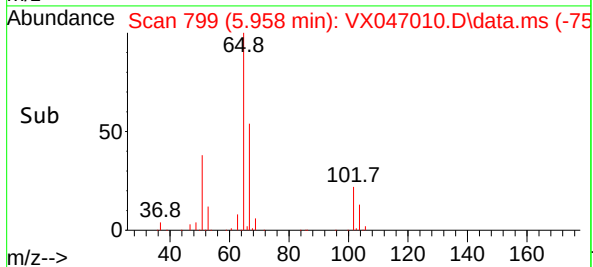
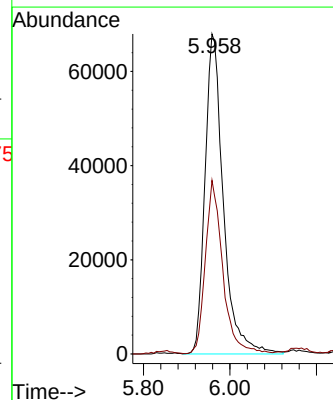
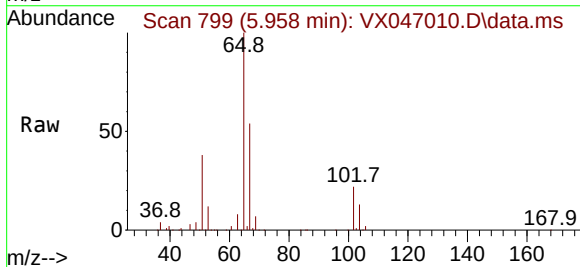
Instrument :
MSVOA_X
ClientSampleId :
GCAP3ME

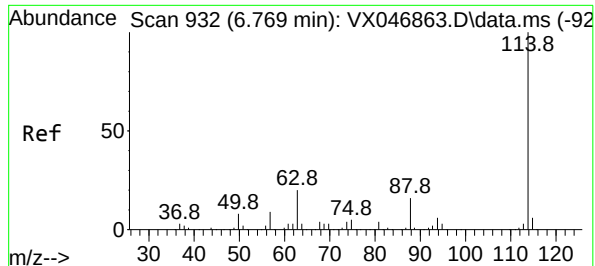
Tgt Ion: 56 Resp: 98569
Ion Ratio Lower Upper
56 100
69 28.0 24.0 36.0
84 80.8 66.5 99.7



#33
1,2-Dichloroethane-d4
Concen: 52.359 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion: 65 Resp: 199872
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX047010.D

Acq: 15 Jul 2025 18:10

Instrument :

MSVOA_X

ClientSampleId :

GCAP3ME

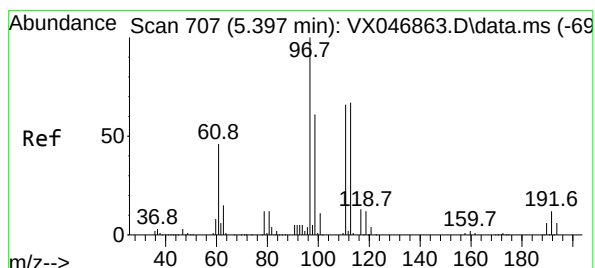
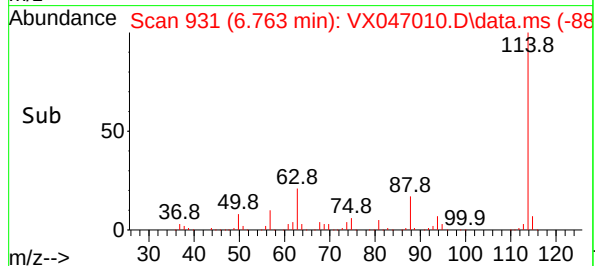
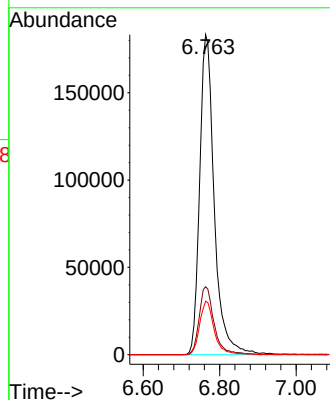
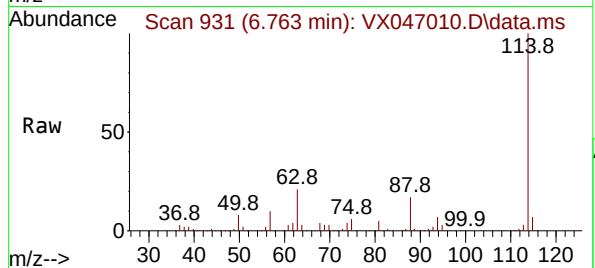
Tgt Ion:114 Resp: 484552

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.4

88 16.7 0.0 31.0



#35

Dibromofluoromethane

Concen: 48.148 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX047010.D

Acq: 15 Jul 2025 18:10

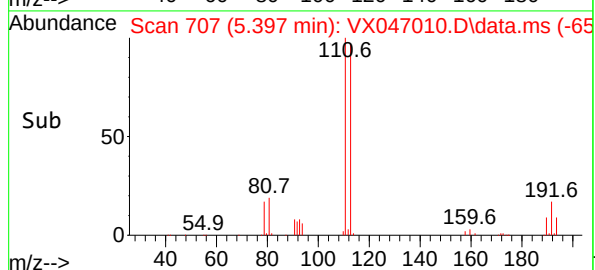
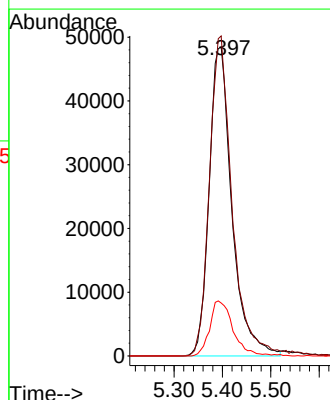
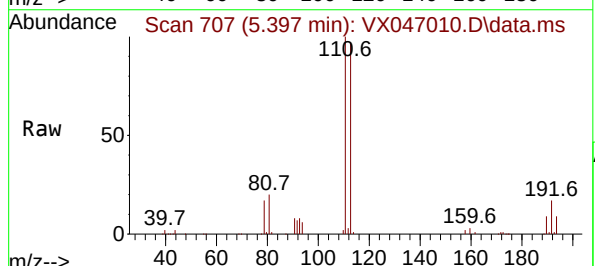
Tgt Ion:113 Resp: 158367

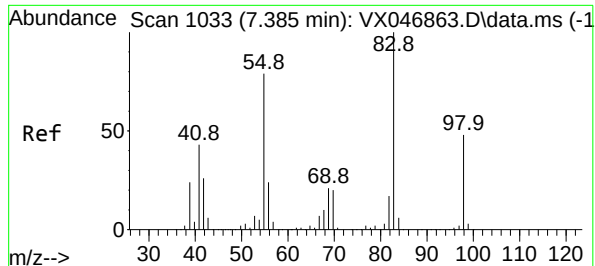
Ion Ratio Lower Upper

113 100

111 103.2 81.2 121.8

192 18.1 15.3 22.9





#39

Methylcyclohexane

Concen: 46.786 ug/l

RT: 7.379 min Scan# 1033

Delta R.T. -0.006 min

Lab File: VX047010.D

Acq: 15 Jul 2025 18:10

Instrument :

MSVOA_X

ClientSampleId :

GCAP3ME

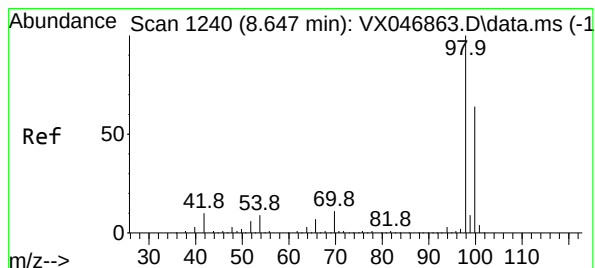
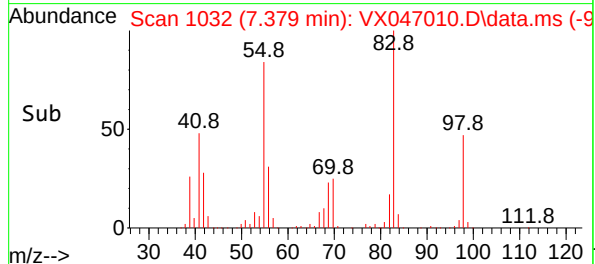
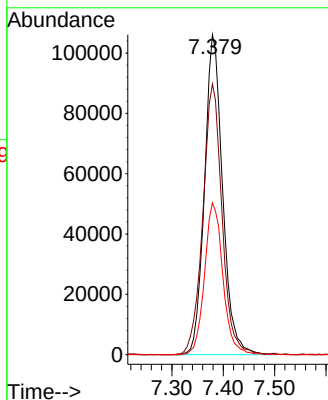
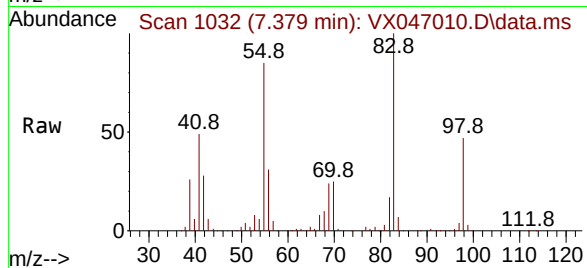
Tgt Ion: 83 Resp: 259722

Ion Ratio Lower Upper

83 100

55 84.4 63.0 94.4

98 47.5 38.5 57.7



#50

Toluene-d8

Concen: 48.486 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX047010.D

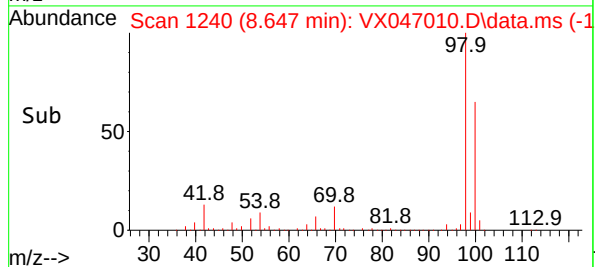
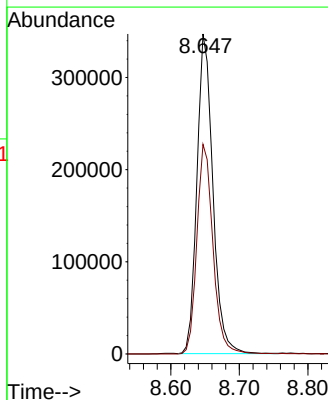
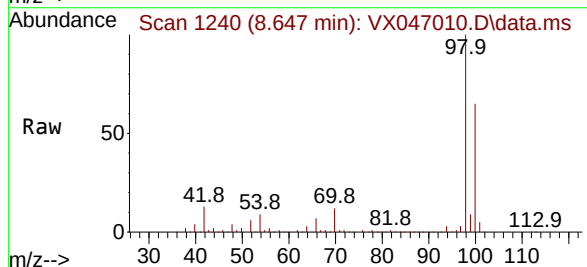
Acq: 15 Jul 2025 18:10

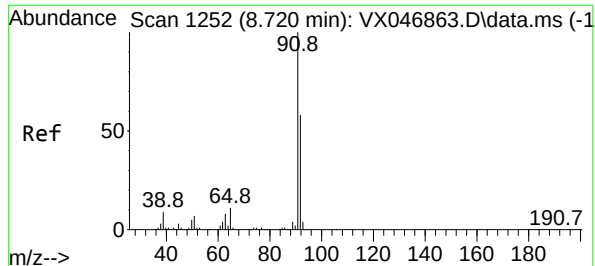
Tgt Ion: 98 Resp: 562676

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.6





#52

Toluene

Concen: 2.219 ug/l

RT: 8.726 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047010.D

Acq: 15 Jul 2025 18:10

Instrument :

MSVOA_X

ClientSampleId :

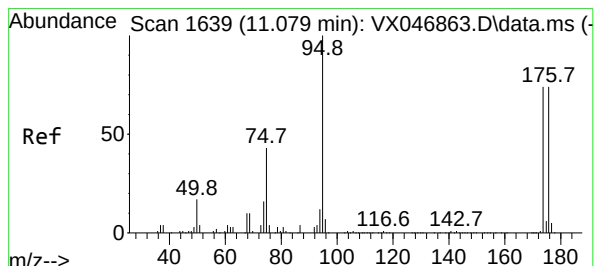
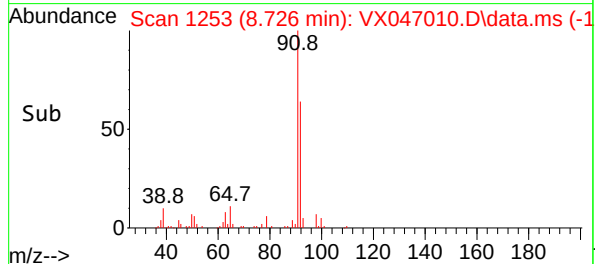
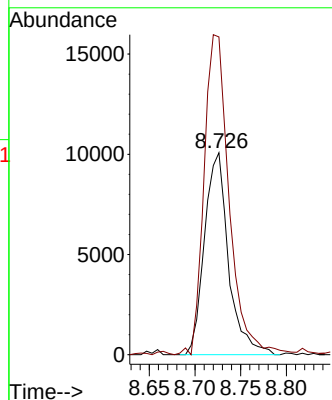
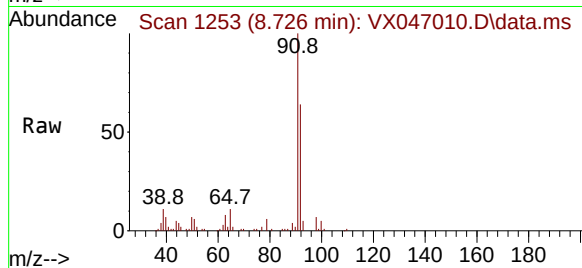
GCAP3ME

Tgt Ion: 92 Resp: 18453

Ion Ratio Lower Upper

92 100

91 165.4 137.9 206.9



#62

4-Bromofluorobenzene

Concen: 51.550 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX047010.D

Acq: 15 Jul 2025 18:10

Tgt Ion: 95 Resp: 227361

Ion Ratio Lower Upper

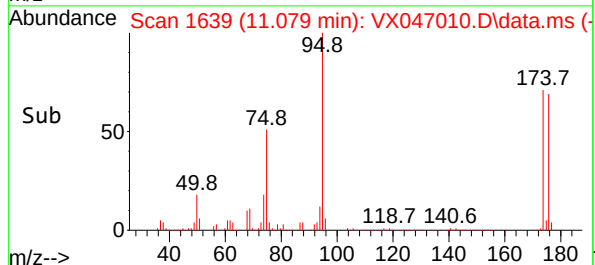
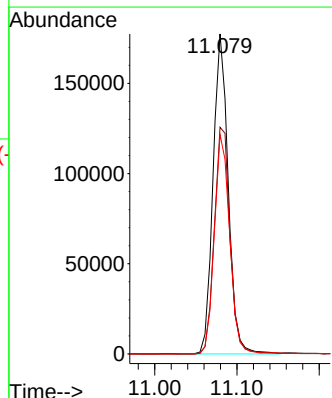
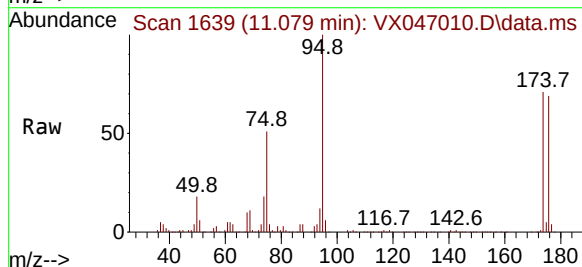
95 100

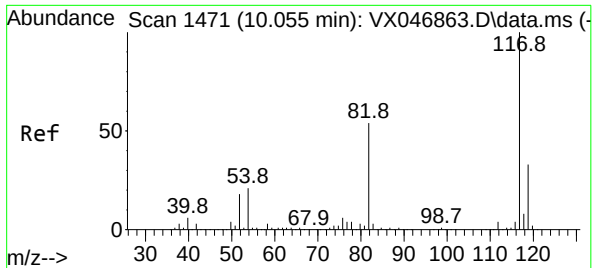
174 73.9

176 69.8

0.0 152.0

0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX047010.D

Acq: 15 Jul 2025 18:10

Instrument :

MSVOA_X

ClientSampleId :

GCAP3ME

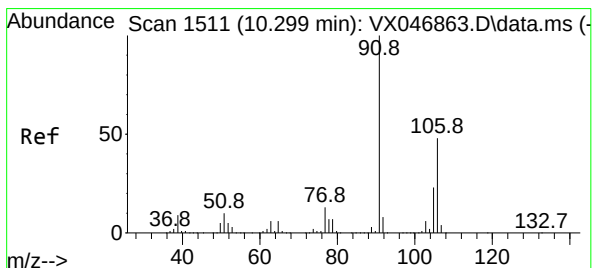
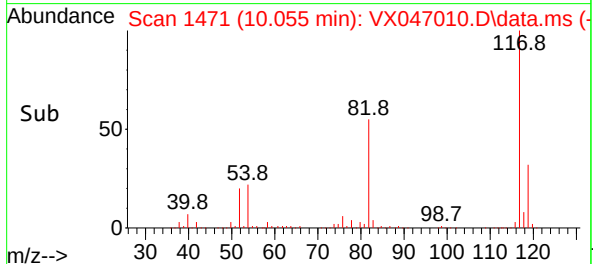
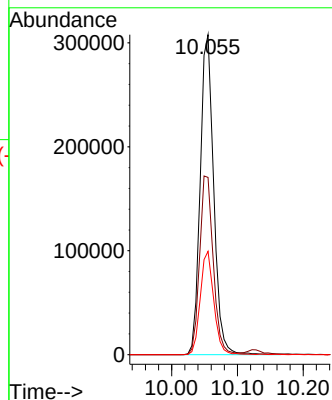
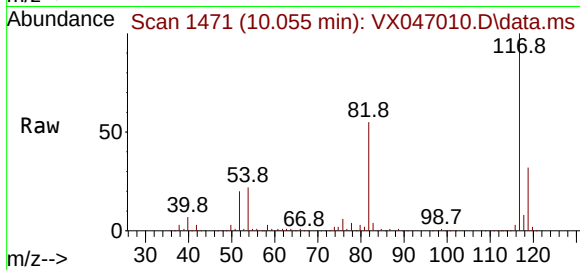
Tgt Ion:117 Resp: 438449

Ion Ratio Lower Upper

117 100

82 55.4 43.3 64.9

119 32.3 26.4 39.6



#68

m/p-Xylenes

Concen: 5.498 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX047010.D

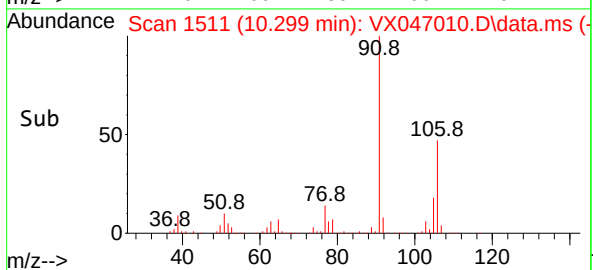
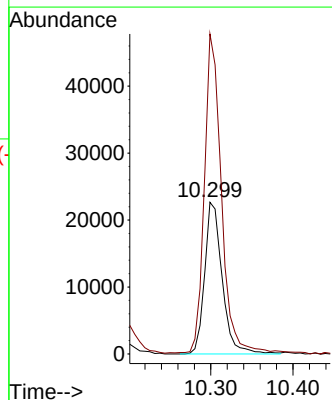
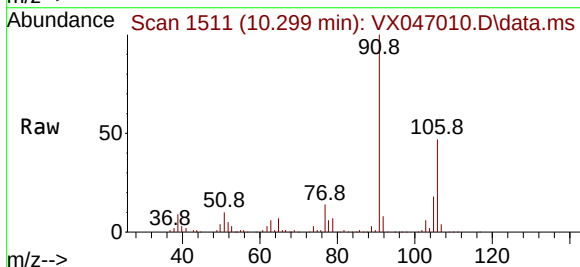
Acq: 15 Jul 2025 18:10

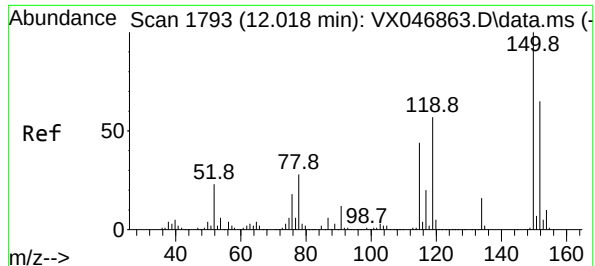
Tgt Ion:106 Resp: 33632

Ion Ratio Lower Upper

106 100

91 207.6 164.6 246.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047010.D

Acq: 15 Jul 2025 18:10

Instrument :

MSVOA_X

ClientSampleId :

GCAP3ME

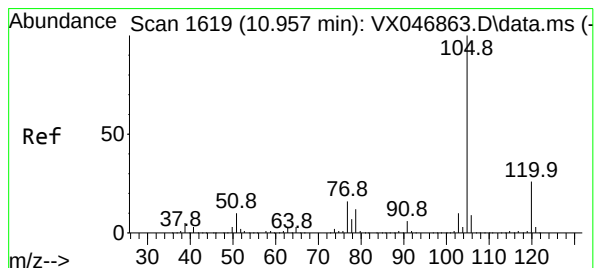
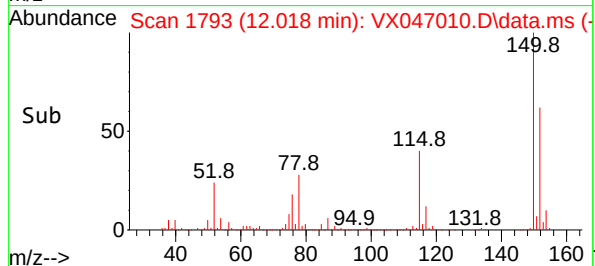
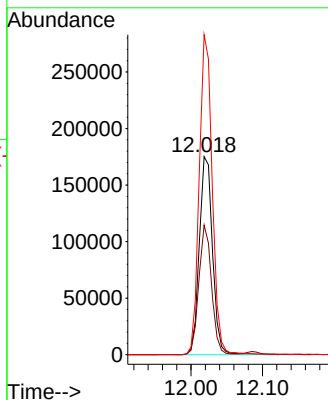
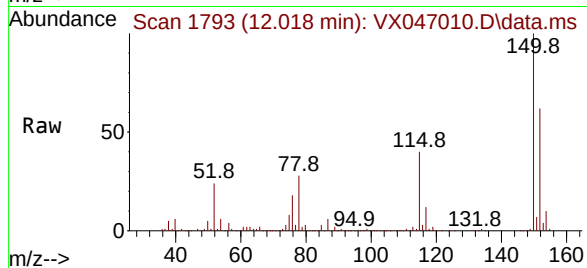
Tgt Ion:152 Resp: 225226

Ion Ratio Lower Upper

152 100

115 62.7 42.4 127.1

150 158.5 0.0 349.2



#73

Isopropylbenzene

Concen: 1.400 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX047010.D

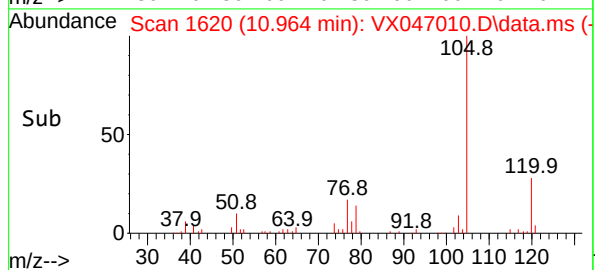
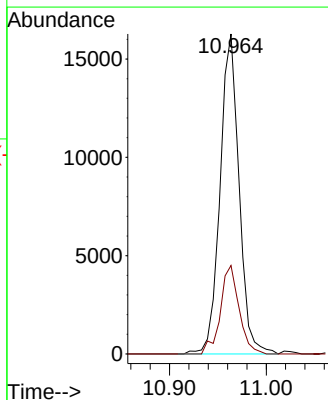
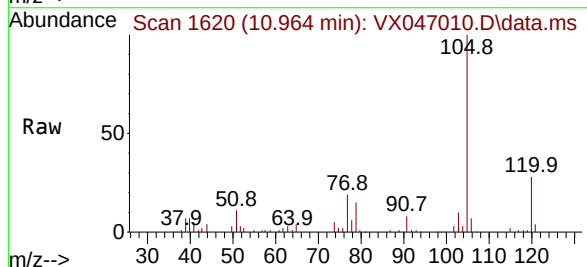
Acq: 15 Jul 2025 18:10

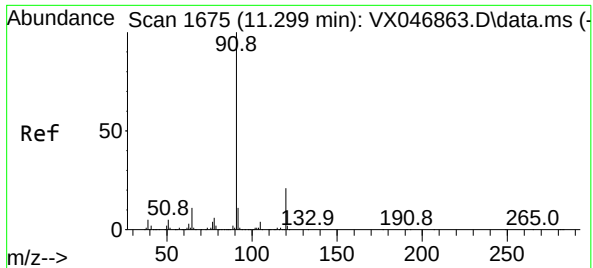
Tgt Ion:105 Resp: 22159

Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.5

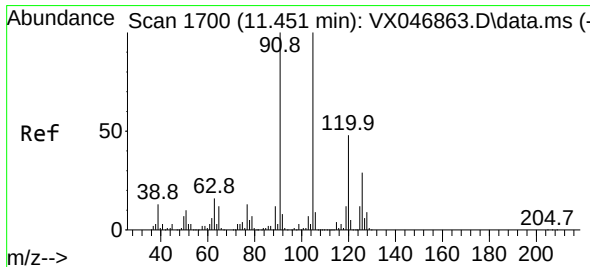
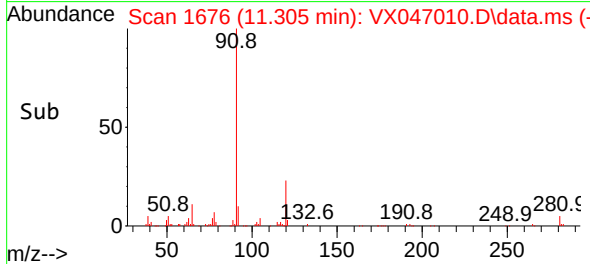
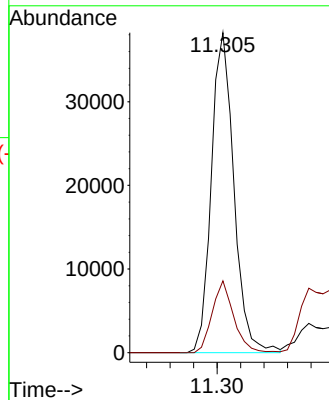
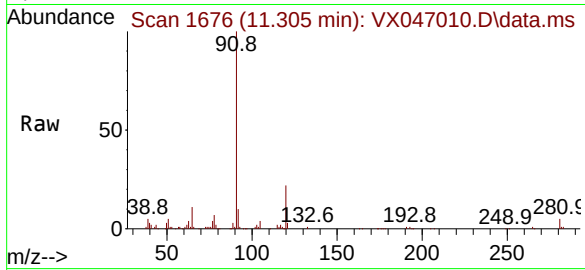




#78
n-propylbenzene
Concen: 2.668 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

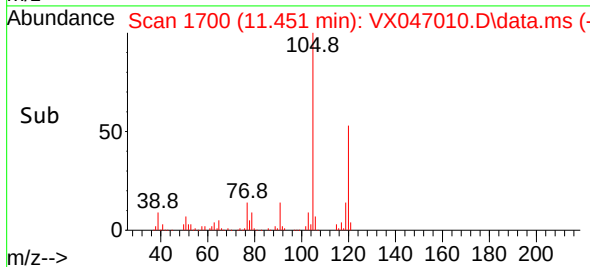
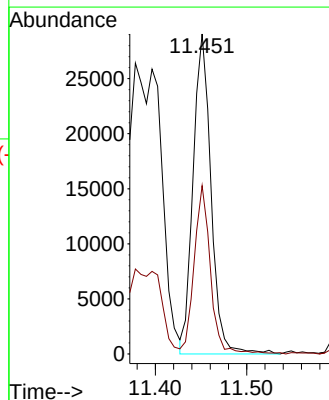
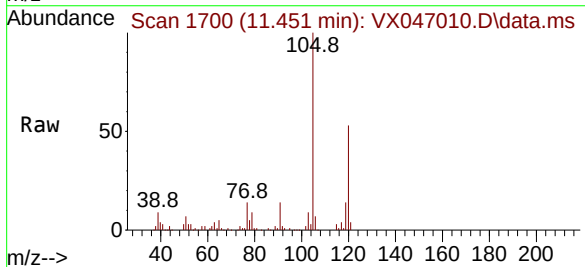
Instrument :
MSVOA_X
ClientSampleId :
GCAP3ME

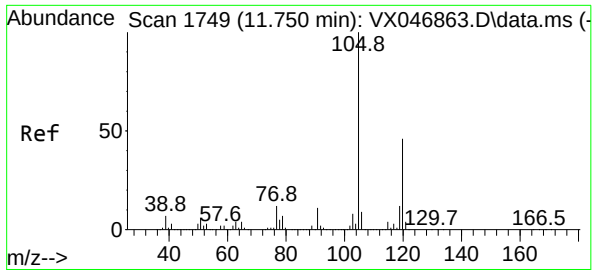
Tgt Ion: 91 Resp: 50928
Ion Ratio Lower Upper
91 100
120 21.5 11.2 33.5



#80
1,3,5-Trimethylbenzene
Concen: 3.078 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047010.D
Acq: 15 Jul 2025 18:10

Tgt Ion: 105 Resp: 39602
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.4





#84

1,2,4-Trimethylbenzene

Concen: 6.630 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX047010.D

Acq: 15 Jul 2025 18:10

Instrument :

MSVOA_X

ClientSampleId :

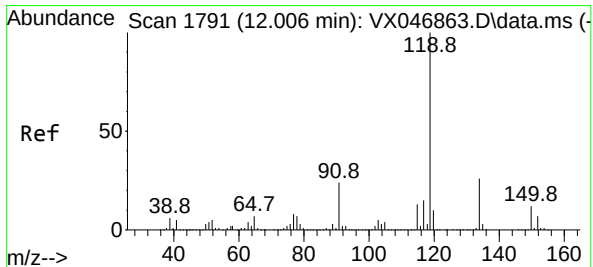
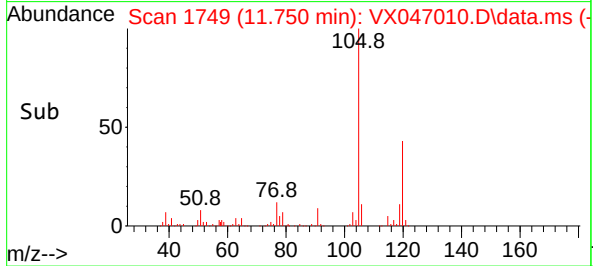
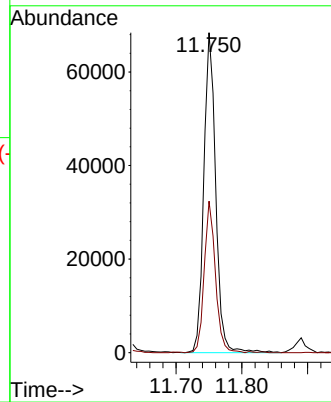
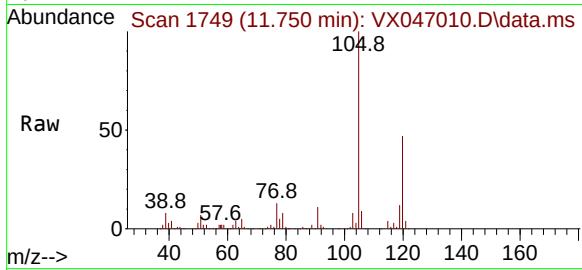
GCAP3ME

Tgt Ion:105 Resp: 86207

Ion Ratio Lower Upper

105 100

120 44.6 23.3 69.8



#86

p-Isopropyltoluene

Concen: 1.264 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX047010.D

Acq: 15 Jul 2025 18:10

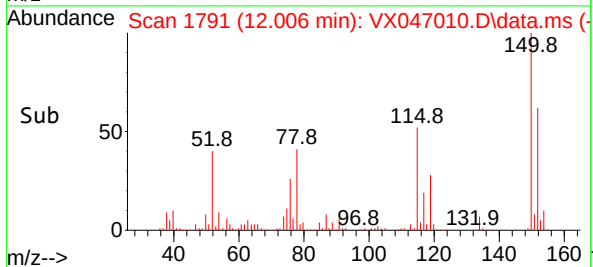
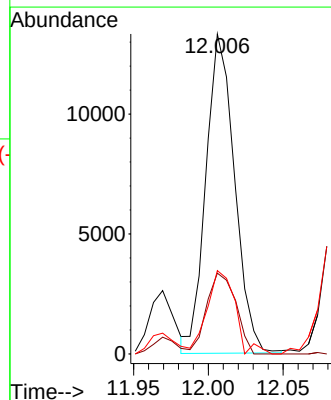
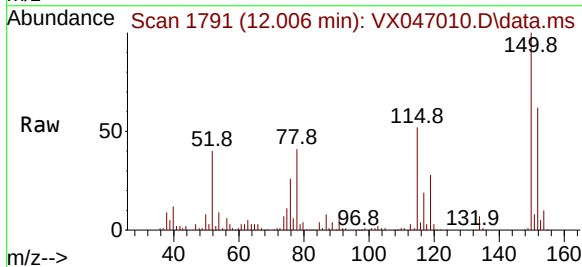
Tgt Ion:119 Resp: 17728

Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 25.4 12.0 36.1





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG No.: Q2503

Instrument ID: MSVOA_W

Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 09:54 12:55

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

LAB FILE ID:		RRF005 = VW031729.D		RRF010 = VW031730.D		RRF020 = VW031731.D			
		RRF050 = VW031732.D		RRF100 = VW031733.D		RRF150 = VW031734.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.3	
Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.1	
Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4	
Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.9	
Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.1	
Trichlorofluoromethane	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.7	
1,1,2-Trichlorotrifluoroethane	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.4	
1,1-Dichloroethene	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.4	
Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.8	
Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.5	
Methyl tert-butyl Ether	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.3	
Methyl Acetate	0.540	0.523	0.498	0.528	0.467	0.485	0.507	5.6	
Methylene Chloride	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.7	
trans-1,2-Dichloroethene	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.9	
1,1-Dichloroethane	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.1	
Cyclohexane	1.175	1.065	1.033	0.937	0.940	0.981	1.022	8.9	
2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.6	
Carbon Tetrachloride	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.2	
cis-1,2-Dichloroethene	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.5	
Bromochloromethane	0.531	0.501	0.535	0.504	0.500	0.489	0.510	3.7	
Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.2	
1,1,1-Trichloroethane	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.1	
Methylcyclohexane	0.573	0.571	0.604	0.566	0.592	0.619	0.587	3.6	
Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.4	
1,2-Dichloroethane	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.7	
Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.1	
1,2-Dichloropropane	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.7	
Bromodichloromethane	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.4	
4-Methyl-2-Pentanone	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.5	
Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.7	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG No.: Q2503
 Instrument ID: MSVOA_W Calibration Date(s): 06/30/2025 06/30/2025
 Heated Purge: (Y/N) Y Calibration Time(s): 09:54 12:55
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VW031729.D		RRF010 = VW031730.D		RRF020 = VW031731.D			
		RRF050 = VW031732.D		RRF100 = VW031733.D		RRF150 = VW031734.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.7	
cis-1,3-Dichloropropene	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.1	
1,1,2-Trichloroethane	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4	
2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.6	
Dibromochloromethane	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3	
1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.7	
Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.2	
Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.4	
Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.3	
m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.6	
o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.7	
Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.1	
Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.1	
Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.4	
1,1,2,2-Tetrachloroethane	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.2	
1,3-Dichlorobenzene	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.5	
1,4-Dichlorobenzene	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.4	
1,2-Dichlorobenzene	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.2	
1,2-Dibromo-3-Chloropropane	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.6	
1,2,4-Trichlorobenzene	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5	
1,2,3-Trichlorobenzene	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5	
1,2-Dichloroethane-d4	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.8	
Dibromofluoromethane	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.6	
Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.7	
4-Bromofluorobenzene	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.4	

* 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_W\Method\
 Method File : 82W063025S.M
 Title : SW846 8260
 Last Update : Tue Jul 01 03:35:17 2025
 Response Via : Initial Calibration

Calibration Files

5 =VW031729.D 10 =VW031730.D 20 =VW031731.D 50 =VW031732.D 100 =VW031733.D 150 =VW031734.D

	Compound	5	10	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.330	0.371	0.352	0.310	0.329	0.351	0.341	6.35
3) P	Chloromethane	0.409	0.410	0.428	0.375	0.405	0.436	0.411	5.13
4) C	Vinyl Chloride	0.523	0.534	0.576	0.514	0.545	0.546	0.540	4.02#
5) T	Bromomethane	0.429	0.431	0.443	0.396	0.412	0.418	0.421	3.94
6) T	Chloroethane	0.370	0.372	0.379	0.347	0.360	0.372	0.367	3.11
7) T	Trichlorofluor...	0.509	0.508	0.442	0.469	0.466	0.546	0.490	7.71
8) T	Diethyl Ether	0.399	0.413	0.383	0.356	0.343	0.340	0.372	8.22
9) T	1,1,2-Trichlor...	0.577	0.563	0.569	0.508	0.517	0.530	0.544	5.39
10) T	Methyl Iodide	0.854	0.846	0.880	0.816	0.814	0.821	0.839	3.11
11) T	Tert butyl alc...	0.043	0.046	0.042	0.047	0.043	0.045	0.044	4.04
12) CM	1,1-Dichloroet...	0.602	0.625	0.622	0.556	0.581	0.588	0.596	4.43#
13) T	Acrolein	0.072	0.086	0.082	0.083	0.078	0.078	0.080	6.20
14) T	Allyl chloride	0.883	0.905	0.938	0.896	0.919	0.945	0.914	2.65
15) T	Acrylonitrile	0.177	0.186	0.182	0.191	0.181	0.181	0.183	2.68
16) T	Acetone	0.238	0.191	0.171	0.163	0.157	0.144	0.177	18.84
17) T	Carbon Disulfide	1.571	1.588	1.647	1.536	1.590	1.633	1.594	2.54
18) T	Methyl Acetate	0.540	0.523	0.498	0.528	0.467	0.485	0.507	5.57
19) T	Methyl tert-bu...	1.007	1.018	1.038	1.033	0.982	0.988	1.011	2.27
20) T	Methylene Chlo...	1.029	0.980	0.905	0.692	0.655	0.626	0.814	21.75
21) T	trans-1,2-Dich...	0.635	0.623	0.667	0.613	0.631	0.629	0.633	2.92
22) T	Diisopropyl ether	1.706	1.791	1.872	1.795	1.764	1.769	1.783	3.03
23) T	Vinyl Acetate	1.111	1.178	1.240	1.256	1.246	1.276	1.218	5.09
24) P	1,1-Dichloroet...	1.154	1.163	1.219	1.116	1.131	1.153	1.156	3.07
25) T	2-Butanone	0.224	0.224	0.221	0.249	0.231	0.237	0.231	4.56
26) T	2,2-Dichloropr...	0.693	0.683	0.698	0.657	0.643	0.672	0.674	3.18
27) T	cis-1,2-Dichlo...	0.711	0.709	0.754	0.716	0.736	0.740	0.728	2.52
28) T	Bromochloromet...	0.531	0.501	0.535	0.504	0.500	0.489	0.510	3.68
29) T	Tetrahydrofuran	0.151	0.160	0.156	0.168	0.156	0.158	0.158	3.55
30) C	Chloroform	1.230	1.239	1.299	1.204	1.189	1.208	1.228	3.17#
31) T	Cyclohexane	1.175	1.065	1.033	0.937	0.940	0.981	1.022	8.87
32) T	1,1,1-Trichlor...	0.933	0.983	0.971	0.925	0.907	0.959	0.946	3.09
33) S	1,2-Dichloroet...	0.731	0.732	0.739	0.715	0.702	0.687	0.718	2.82
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.322	0.324	0.348	0.324	0.327	0.312	0.326	3.63
36) T	1,1-Dichloropr...	0.477	0.473	0.497	0.456	0.463	0.467	0.472	3.03
37) T	Ethyl Acetate	0.314	0.299	0.305	0.303	0.281	0.285	0.298	4.14
38) T	Carbon Tetrach...	0.477	0.498	0.498	0.461	0.468	0.485	0.481	3.16
39) T	Methylcyclohexane	0.573	0.571	0.604	0.566	0.592	0.619	0.587	3.59
40) TM	Benzene	1.410	1.394	1.483	1.375	1.349	1.371	1.397	3.36
41) T	Methacrylonitrile	0.151	0.151	0.153	0.174	0.161	0.167	0.160	6.03
42) TM	1,2-Dichloroet...	0.490	0.490	0.493	0.464	0.449	0.445	0.472	4.69
43) T	Isopropyl Acetate	0.480	0.509	0.516	0.535	0.514	0.527	0.513	3.71
44) TM	Trichloroethene	0.344	0.346	0.367	0.344	0.337	0.354	0.349	3.07
45) C	1,2-Dichloropr...	0.348	0.344	0.353	0.331	0.324	0.325	0.338	3.67#
46) T	Dibromomethane	0.228	0.217	0.227	0.219	0.206	0.210	0.218	4.08
47) T	Bromodichlorom...	0.509	0.512	0.524	0.511	0.502	0.510	0.511	1.39
48) T	Methyl methacr...	0.230	0.266	0.246	0.261	0.255	0.256	0.252	5.06
49) T	1,4-Dioxane	0.003	0.003	0.002	0.003	0.002	0.002	0.003	7.16
50) S	Toluene-d8	1.121	1.245	1.290	1.208	1.229	1.193	1.214	4.67
51) T	4-Methyl-2-Pen...	0.285	0.301	0.295	0.313	0.289	0.287	0.295	3.54
52) CM	Toluene	0.882	0.898	0.938	0.876	0.874	0.899	0.894	2.67#
53) T	t-1,3-Dichloro...	0.432	0.460	0.491	0.496	0.497	0.500	0.480	5.74
54) T	cis-1,3-Dichlo...	0.514	0.521	0.571	0.549	0.547	0.560	0.544	4.09
55) T	1,1,2-Trichlor...	0.299	0.282	0.299	0.285	0.275	0.273	0.286	4.04
56) T	Ethyl methacry...	0.355	0.366	0.381	0.410	0.402	0.410	0.387	6.08

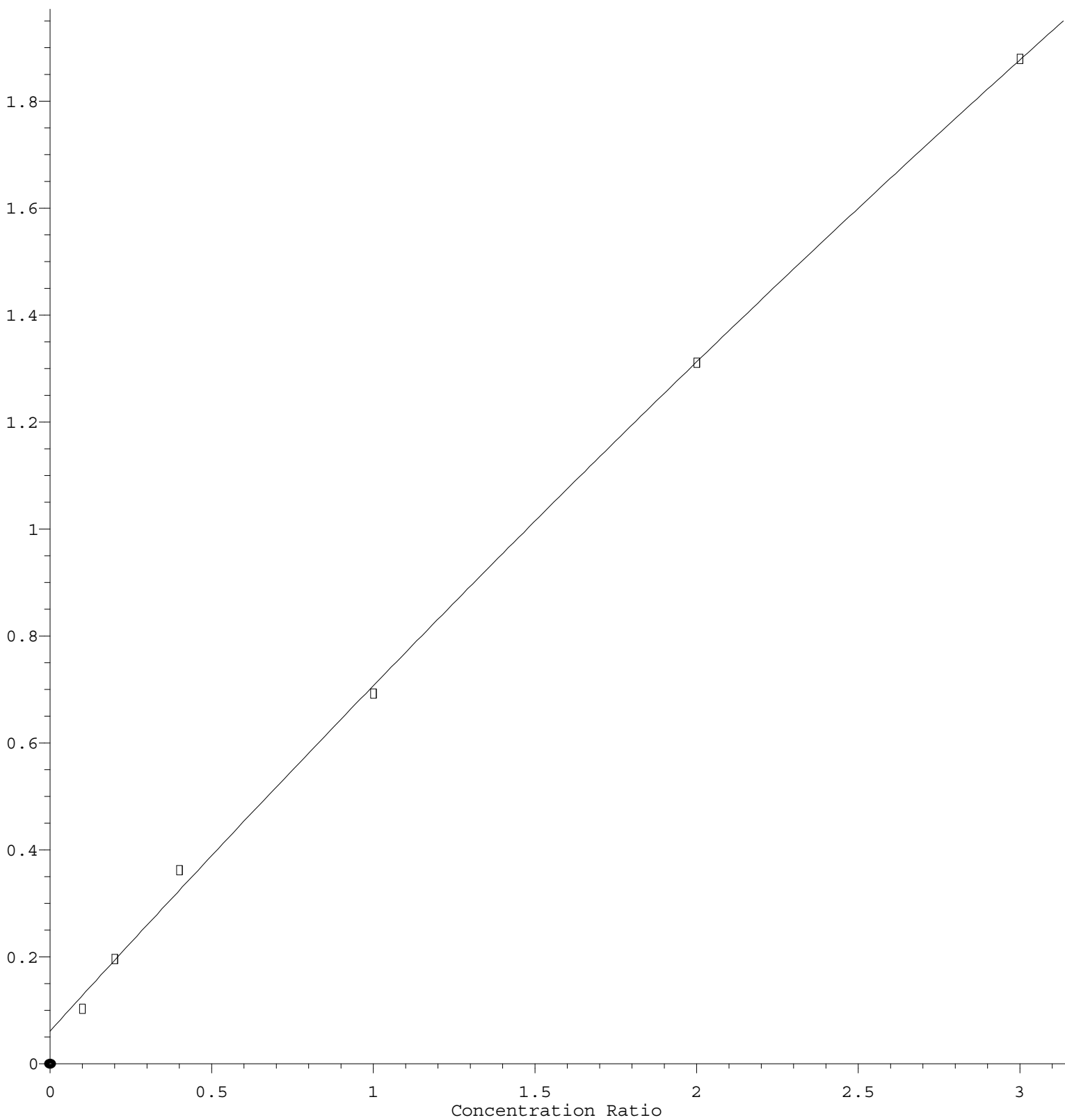
Method Path : Z:\voasrv\HPCHEM1\MSVOA_W\Method\
 Method File : 82W063025S.M

57)	T	1,3-Dichloropr...	0.522	0.524	0.518	0.491	0.477	0.476	0.501	4.47
58)	T	2-Chloroethyl ...	0.196	0.199	0.220	0.225	0.223	0.216	0.213	5.93
59)	T	2-Hexanone	0.185	0.201	0.195	0.219	0.201	0.199	0.200	5.63
60)	T	Dibromochlorom...	0.329	0.332	0.353	0.352	0.336	0.345	0.341	3.04
61)	T	1,2-Dibromoethane	0.288	0.285	0.296	0.290	0.274	0.281	0.286	2.66
62)	S	4-Bromofluorob...	0.436	0.452	0.463	0.447	0.450	0.434	0.447	2.38
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.331	0.321	0.324	0.314	0.329	0.344	0.327	3.15
65)	PM	Chlorobenzene	1.128	1.116	1.116	1.062	1.078	1.120	1.103	2.41
66)	T	1,1,1,2-Tetrac...	0.347	0.351	0.345	0.350	0.352	0.365	0.352	2.00
67)	C	Ethyl Benzene	1.860	1.899	1.911	1.885	1.934	1.989	1.913	2.33#
68)	T	m/p-Xylenes	0.690	0.730	0.751	0.727	0.750	0.764	0.735	3.58
69)	T	o-Xylene	0.636	0.654	0.685	0.682	0.705	0.723	0.681	4.72
70)	T	Styrene	1.066	1.154	1.195	1.209	1.206	1.232	1.177	5.10
71)	P	Bromoform	0.197	0.202	0.203	0.219	0.215	0.223	0.210	5.07
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.643	3.549	3.683	3.732	4.080	4.132	3.803	6.38
74)	T	N-amyl acetate	0.934	0.970	0.953	1.067	1.096	1.132	1.025	8.11
75)	P	1,1,2,2-Tetrac...	0.891	0.839	0.812	0.843	0.829	0.852	0.844	3.16
76)	T	1,2,3-Trichlor...	0.693	0.651	0.611	0.652	0.617	0.652	0.646	4.56
77)	T	Bromobenzene	0.883	0.821	0.816	0.781	0.886	0.902	0.848	5.72
78)	T	n-propylbenzene	4.370	4.433	4.418	4.463	4.733	4.909	4.554	4.74
79)	T	2-Chlorotoluene	2.717	2.648	2.721	2.684	2.800	2.885	2.743	3.14
80)	T	1,3,5-Trimethy...	2.947	2.987	3.121	3.155	3.314	3.365	3.148	5.35
81)	T	trans-1,4-Dich...	0.245	0.272	0.249	0.291	0.299	0.309	0.277	9.55
82)	T	4-Chlorotoluene	2.935	2.802	2.837	2.822	2.901	2.978	2.879	2.43
83)	T	tert-Butylbenzene	2.532	2.560	2.642	2.613	2.838	2.995	2.697	6.73
84)	T	1,2,4-Trimethy...	3.054	3.078	3.192	3.122	3.292	3.399	3.190	4.20
85)	T	sec-Butylbenzene	3.914	3.877	3.937	3.987	4.185	4.386	4.048	4.90
86)	T	p-Isopropyltol...	3.123	3.166	3.292	3.275	3.517	3.643	3.336	6.10
87)	T	1,3-Dichlorobe...	1.771	1.705	1.683	1.644	1.681	1.723	1.701	2.55
88)	T	1,4-Dichlorobe...	1.815	1.750	1.700	1.702	1.735	1.745	1.741	2.40
89)	T	n-Butylbenzene	3.126	3.110	3.134	3.176	3.389	3.511	3.241	5.17
90)	T	Hexachloroethane	0.573	0.567	0.566	0.592	0.638	0.675	0.602	7.45
91)	T	1,2-Dichlorobe...	1.599	1.518	1.511	1.575	1.563	1.563	1.555	2.20
92)	T	1,2-Dibromo-3-...	0.169	0.159	0.153	0.166	0.167	0.174	0.165	4.55
93)	T	1,2,4-Trichlor...	0.965	0.899	0.929	0.933	1.000	1.028	0.959	5.03
94)	T	Hexachlorobuta...	0.474	0.469	0.438	0.414	0.493	0.489	0.463	6.67
95)	T	Naphthalene	2.185	2.107	2.155	2.395	2.610	2.653	2.351	10.17
96)	T	1,2,3-Trichlor...	0.863	0.865	0.827	0.862	0.944	0.926	0.881	5.04

(#) = Out of Range

Methylene Chloride

Response Ratio



$R = -2.021e-002 A^2 + 6.660e-001 A + 6.133e-002$
 Coef of Det (r^2) = 0.999086 Curve Fit: Quadratic
 Method Name: Z:\voasrv\HPCHEM1\MSVOA W\Method\82W063025S.M
 Calibration Table Last Updated: Tue Jul 01 03:35:17 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031729.D
 Acq On : 30 Jun 2025 09:54
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	228987	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	410655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	361730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171294	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	16728	5.090	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	10.180%#		
35) Dibromofluoromethane	7.904	113	13228	4.936	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	9.880%#		
50) Toluene-d8	10.331	98	46017	4.615	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	9.220%#		
62) 4-Bromofluorobenzene	12.617	95	17925	4.884	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	9.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	7562	4.849	ug/l	100
3) Chloromethane	2.247	50	9357	4.977	ug/l	98
4) Vinyl Chloride	2.405	62	11970	4.844	ug/l	98
5) Bromomethane	2.820	94	9829	5.092	ug/l #	78
6) Chloroethane	2.966	64	8474	5.048	ug/l #	83
7) Trichlorofluoromethane	3.302	101	11652	5.192	ug/l	95
8) Diethyl Ether	3.722	74	9130	5.354	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.094	101	13215	5.305	ug/l	98
10) Methyl Iodide	4.314	142	19559	5.093	ug/l	98
11) Tert butyl alcohol	5.222	59	4942m	24.274	ug/l	
12) 1,1-Dichloroethene	4.082	96	13793	5.055	ug/l	93
13) Acrolein	3.936	56	8223	22.472	ug/l #	82
14) Allyl chloride	4.704	41	20213	4.828	ug/l	98
15) Acrylonitrile	5.405	53	20292	24.197	ug/l	97
16) Acetone	4.161	43	27204m	33.285	ug/l	
17) Carbon Disulfide	4.417	76	35984	4.928	ug/l #	95
18) Methyl Acetate	4.710	43	12364	5.326	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	23058	4.979	ug/l	94
20) Methylene Chloride	4.948	84	23553	3.124	ug/l	96
21) trans-1,2-Dichloroethene	5.466	96	14541	5.015	ug/l	98
22) Diisopropyl ether	6.344	45	39057	4.784	ug/l #	90
23) Vinyl Acetate	6.283	43	127146	22.799	ug/l	100
24) 1,1-Dichloroethane	6.252	63	26423	4.992	ug/l	98
25) 2-Butanone	7.197	43	25644	24.268	ug/l	96
26) 2,2-Dichloropropane	7.191	77	15875	5.140	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	16273	4.883	ug/l	99
28) Bromochloromethane	7.526	49	12169	5.210	ug/l #	12
29) Tetrahydrofuran	7.557	42	17271	23.866	ug/l	99
30) Chloroform	7.691	83	28162	5.007	ug/l	97
31) Cyclohexane	7.965	56	26905	5.750	ug/l #	82
32) 1,1,1-Trichloroethane	7.886	97	21367	4.929	ug/l	96
36) 1,1-Dichloropropene	8.093	75	19574	5.048	ug/l	98
37) Ethyl Acetate	7.276	43	12878m	5.265	ug/l	
38) Carbon Tetrachloride	8.081	117	19576	4.954	ug/l	97
39) Methylcyclohexane	9.343	83	23529	4.877	ug/l	94
40) Benzene	8.337	78	57889	5.046	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031729.D
 Acq On : 30 Jun 2025 09:54
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	6190	4.724	ug/l #	90
42) 1,2-Dichloroethane	8.416	62	20133	5.194	ug/l	99
43) Isopropyl Acetate	8.441	43	19704	4.673	ug/l	97
44) Trichloroethene	9.105	130	14112	4.928	ug/l	98
45) 1,2-Dichloropropane	9.374	63	14286	5.152	ug/l	95
46) Dibromomethane	9.465	93	9383	5.242	ug/l	98
47) Bromodichloromethane	9.654	83	20888	4.976	ug/l	98
48) Methyl methacrylate	9.441	41	9461	4.563	ug/l	98
49) 1,4-Dioxane	9.471	88	2322m	121.843	ug/l	
51) 4-Methyl-2-Pentanone	10.215	43	58525	24.143	ug/l	100
52) Toluene	10.392	92	36200	4.928	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	17756	4.508	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	21091	4.724	ug/l	93
55) 1,1,2-Trichloroethane	10.788	97	12285	5.239	ug/l	95
56) Ethyl methacrylate	10.648	69	14584	4.584	ug/l	97
57) 1,3-Dichloropropane	10.934	76	21432	5.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	40271	22.989	ug/l	99
59) 2-Hexanone	10.971	43	37987	23.125	ug/l	96
60) Dibromochloromethane	11.129	129	13506	4.817	ug/l	98
61) 1,2-Dibromoethane	11.239	107	11844	5.046	ug/l	99
64) Tetrachloroethene	10.867	164	11991	5.068	ug/l	95
65) Chlorobenzene	11.654	112	40816	5.114	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.733	131	12551	4.935	ug/l	96
67) Ethyl Benzene	11.733	91	67293	4.862	ug/l	99
68) m/p-Xylenes	11.837	106	49892	9.378	ug/l	97
69) o-Xylene	12.166	106	22994	4.668	ug/l	98
70) Styrene	12.178	104	38573	4.530	ug/l	96
71) Bromoform	12.349	173	7112	4.688	ug/l #	96
73) Isopropylbenzene	12.465	105	62409	4.790	ug/l	98
74) N-amyl acetate	12.269	43	15998	4.555	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.715	83	15264	5.277	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	11866m	5.361	ug/l	
77) Bromobenzene	12.745	156	15131	5.207	ug/l	89
78) n-propylbenzene	12.800	91	74850	4.797	ug/l	99
79) 2-Chlorotoluene	12.891	91	46542	4.954	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	50477	4.680	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	4189	4.408	ug/l #	81
82) 4-Chlorotoluene	12.989	91	50283	5.098	ug/l	100
83) tert-Butylbenzene	13.202	119	43370	4.694	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	52319	4.788	ug/l	97
85) sec-Butylbenzene	13.379	105	67046	4.835	ug/l	99
86) p-Isopropyltoluene	13.489	119	53492	4.681	ug/l	98
87) 1,3-Dichlorobenzene	13.501	146	30342	5.206	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	31083	5.211	ug/l	92
89) n-Butylbenzene	13.818	91	53555	4.823	ug/l	97
90) Hexachloroethane	14.086	117	9816	4.761	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	27395	5.143	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.476	75	2902	5.138	ug/l	98
93) 1,2,4-Trichlorobenzene	15.129	180	16524	5.030	ug/l	97
94) Hexachlorobutadiene	15.226	225	8122	5.120	ug/l	88
95) Naphthalene	15.360	128	37422	4.647	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	14775	4.895	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

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

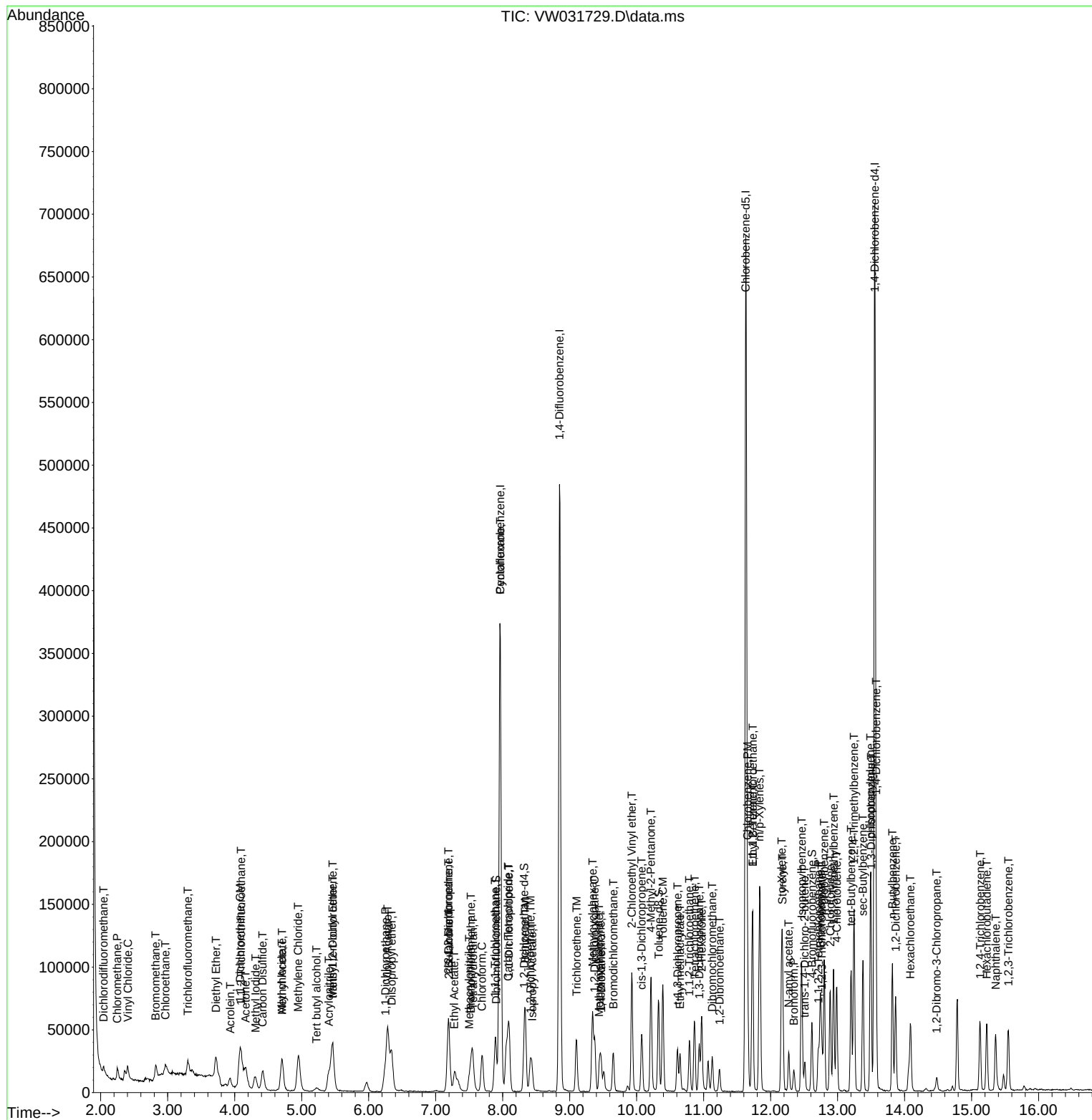
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031729.D
Acq On : 30 Jun 2025 09:54
Operator : SY/MD
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Manual Integrations

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:17:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031730.D
 Acq On : 30 Jun 2025 10:15
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	216272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	387016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	345396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	31661	10.201	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	20.400%#		
35) Dibromofluoromethane	7.898	113	25109	9.942	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	19.880%#		
50) Toluene-d8	10.325	98	96344	10.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	20.500%#		
62) 4-Bromofluorobenzene	12.617	95	34948	10.105	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	20.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	16044	10.893	ug/l	94
3) Chloromethane	2.253	50	17744	9.993	ug/l	99
4) Vinyl Chloride	2.405	62	23112	9.902	ug/l	95
5) Bromomethane	2.820	94	18643	10.226	ug/l	94
6) Chloroethane	2.966	64	16074	10.139	ug/l	91
7) Trichlorofluoromethane	3.308	101	21990	10.374	ug/l	94
8) Diethyl Ether	3.722	74	17881	11.102	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.100	101	24340	10.346	ug/l	99
10) Methyl Iodide	4.313	142	36597	10.090	ug/l	99
11) Tert butyl alcohol	5.234	59	10031m	52.167	ug/l	
12) 1,1-Dichloroethene	4.076	96	27046	10.495	ug/l	95
13) Acrolein	3.929	56	18553	53.683	ug/l	100
14) Allyl chloride	4.704	41	39145	9.900	ug/l	100
15) Acrylonitrile	5.405	53	40289	50.867	ug/l	99
16) Acetone	4.161	43	41372	53.597	ug/l	97
17) Carbon Disulfide	4.417	76	68668	9.958	ug/l	98
18) Methyl Acetate	4.710	43	22628	10.321	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	44040	10.069	ug/l	95
20) Methylene Chloride	4.960	84	42368	10.166	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	26955	9.844	ug/l	87
22) Diisopropyl ether	6.344	45	77462	10.045	ug/l	95
23) Vinyl Acetate	6.283	43	254825	48.380	ug/l	98
24) 1,1-Dichloroethane	6.240	63	50299	10.061	ug/l	99
25) 2-Butanone	7.197	43	48340	48.435	ug/l	97
26) 2,2-Dichloropropane	7.185	77	29549	10.130	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	30687	9.749	ug/l	99
28) Bromochloromethane	7.532	49	21655	9.815	ug/l	98
29) Tetrahydrofuran	7.557	42	34596	50.617	ug/l	98
30) Chloroform	7.691	83	53600	10.090	ug/l	99
31) Cyclohexane	7.971	56	46081	10.427	ug/l #	89
32) 1,1,1-Trichloroethane	7.886	97	42532	10.389	ug/l	98
36) 1,1-Dichloropropene	8.099	75	36621	10.021	ug/l	99
37) Ethyl Acetate	7.282	43	23126	10.032	ug/l	99
38) Carbon Tetrachloride	8.081	117	38531	10.347	ug/l	99
39) Methylcyclohexane	9.343	83	44170	9.715	ug/l	97
40) Benzene	8.337	78	107869	9.977	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031730.D
 Acq On : 30 Jun 2025 10:15
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC010

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:18:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	11713	9.485	ug/l	87
42) 1,2-Dichloroethane	8.416	62	37957	10.390	ug/l	99
43) Isopropyl Acetate	8.441	43	39393	9.913	ug/l	99
44) Trichloroethene	9.099	130	26788	9.927	ug/l	98
45) 1,2-Dichloropropane	9.380	63	26605	10.181	ug/l	97
46) Dibromomethane	9.471	93	16818	9.969	ug/l	96
47) Bromodichloromethane	9.654	83	39595	10.009	ug/l	98
48) Methyl methacrylate	9.447	41	20612	10.549	ug/l	96
49) 1,4-Dioxane	9.465	88	4204m	234.072	ug/l	
51) 4-Methyl-2-Pentanone	10.215	43	116628	51.050	ug/l	99
52) Toluene	10.392	92	69506	10.041	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	35578	9.585	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	40343	9.588	ug/l	94
55) 1,1,2-Trichloroethane	10.788	97	21816	9.872	ug/l #	88
56) Ethyl methacrylate	10.648	69	28317	9.445	ug/l	99
57) 1,3-Dichloropropane	10.934	76	40528	10.446	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	76896	46.578	ug/l	98
59) 2-Hexanone	10.971	43	77810	50.260	ug/l	97
60) Dibromochloromethane	11.129	129	25734	9.738	ug/l	96
61) 1,2-Dibromoethane	11.233	107	22082	9.981	ug/l	100
64) Tetrachloroethene	10.861	164	22144	9.801	ug/l	90
65) Chlorobenzene	11.654	112	77068	10.113	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	24224	9.975	ug/l	98
67) Ethyl Benzene	11.733	91	131184	9.927	ug/l	98
68) m/p-Xylenes	11.836	106	100863	19.856	ug/l	98
69) o-Xylene	12.166	106	45204	9.611	ug/l	97
70) Styrene	12.184	104	79722	9.805	ug/l	98
71) Bromoform	12.355	173	13967	9.641	ug/l #	99
73) Isopropylbenzene	12.464	105	120857	9.331	ug/l	100
74) N-amyl acetate	12.275	43	33049	9.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	28567	9.935	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	22177m	10.079	ug/l	
77) Bromobenzene	12.745	156	27969	9.682	ug/l	91
78) n-propylbenzene	12.800	91	150962	9.734	ug/l	98
79) 2-Chlorotoluene	12.885	91	90162	9.654	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	101724	9.489	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	9266	9.808	ug/l	92
82) 4-Chlorotoluene	12.989	91	95411	9.731	ug/l	99
83) tert-Butylbenzene	13.202	119	87194	9.495	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	104832	9.651	ug/l	100
85) sec-Butylbenzene	13.379	105	132016	9.578	ug/l	99
86) p-Isopropyltoluene	13.495	119	107805	9.490	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	58049	10.021	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	59597	10.051	ug/l	94
89) n-Butylbenzene	13.818	91	105923	9.597	ug/l	99
90) Hexachloroethane	14.086	117	19306	9.420	ug/l	93
91) 1,2-Dichlorobenzene	13.867	146	51680	9.761	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	5409	9.634	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	30599	9.371	ug/l	98
94) Hexachlorobutadiene	15.226	225	15982	10.136	ug/l	91
95) Naphthalene	15.360	128	71758	8.964	ug/l	98
96) 1,2,3-Trichlorobenzene	15.543	180	29473	9.823	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031730.D
Acq On : 30 Jun 2025 10:15
Operator : SY/MD
Sample : VSTDICC010
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
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Quant Time: Jul 01 02:18:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 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_W\Data\VW063025\
 Data File : VW031730.D
 Acq On : 30 Jun 2025 10:15
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Manual Integrations

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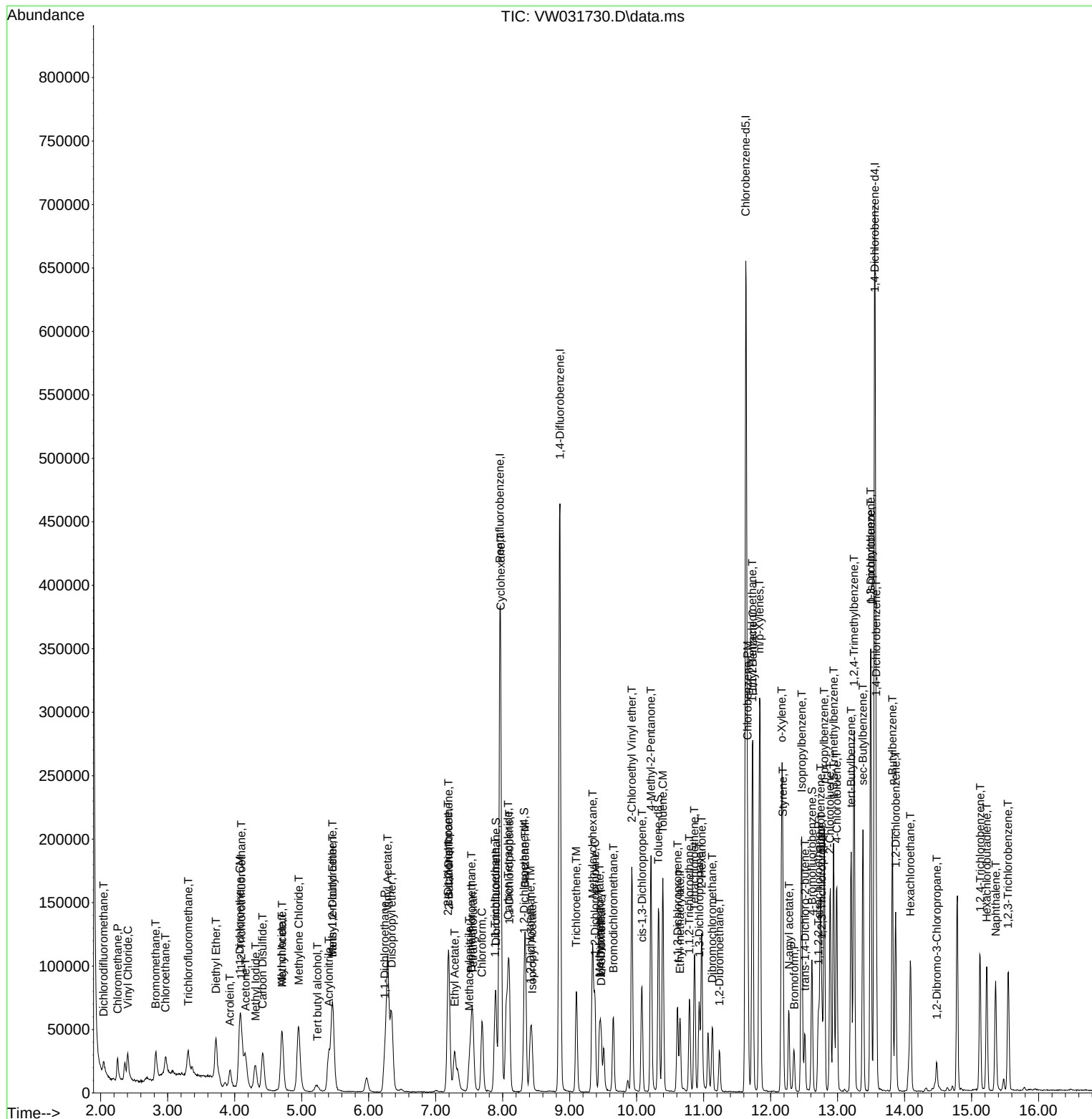
Quant Time: Jul 01 02:18:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 02:17:14 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031731.D
 Acq On : 30 Jun 2025 10:58
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	206362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	368808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	347024	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	169543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	61033	20.609	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	41.220%#		
35) Dibromofluoromethane	7.898	113	51372	21.346	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	42.700%#		
50) Toluene-d8	10.324	98	190235	21.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	42.480%#		
62) 4-Bromofluorobenzene	12.617	95	68269	20.714	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	41.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.045	85	29096	20.703	ug/l	99
3) Chloromethane	2.253	50	35297	20.832	ug/l	99
4) Vinyl Chloride	2.405	62	47534	21.344	ug/l	95
5) Bromomethane	2.820	94	36582	21.030	ug/l	98
6) Chloroethane	2.966	64	31253	20.660	ug/l	93
7) Trichlorofluoromethane	3.301	101	36478	18.036	ug/l	95
8) Diethyl Ether	3.716	74	31642	20.589	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.100	101	46970	20.923	ug/l	98
10) Methyl Iodide	4.301	142	72612	20.981	ug/l	98
11) Tert butyl alcohol	5.209	59	17455	95.135	ug/l #	88
12) 1,1-Dichloroethene	4.069	96	51343	20.880	ug/l	94
13) Acrolein	3.923	56	33931	102.894	ug/l	95
14) Allyl chloride	4.697	41	77423	20.522	ug/l	99
15) Acrylonitrile	5.398	53	75131	99.411	ug/l	99
16) Acetone	4.149	43	70616	95.875	ug/l	97
17) Carbon Disulfide	4.411	76	135917	20.656	ug/l	98
18) Methyl Acetate	4.703	43	41106	19.649	ug/l	99
19) Methyl tert-butyl Ether	5.459	73	85702	20.535	ug/l	97
20) Methylene Chloride	4.947	84	74694	22.889	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	55073	21.078	ug/l	95
22) Diisopropyl ether	6.337	45	154496	20.997	ug/l	97
23) Vinyl Acetate	6.276	43	511743	101.822	ug/l	99
24) 1,1-Dichloroethane	6.234	63	100608	21.090	ug/l	100
25) 2-Butanone	7.191	43	91095	95.657	ug/l	97
26) 2,2-Dichloropropane	7.179	77	57600	20.695	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	62244	20.725	ug/l	99
28) Bromochloromethane	7.526	49	44182	20.988	ug/l	100
29) Tetrahydrofuran	7.550	42	64497	98.896	ug/l	99
30) Chloroform	7.691	83	107197	21.148	ug/l	98
31) Cyclohexane	7.965	56	85236	20.213	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	80117	20.509	ug/l	98
36) 1,1-Dichloropropene	8.093	75	73346	21.061	ug/l	100
37) Ethyl Acetate	7.270	43	45062	20.512	ug/l	98
38) Carbon Tetrachloride	8.081	117	73482	20.706	ug/l	97
39) Methylcyclohexane	9.343	83	89081	20.560	ug/l	98
40) Benzene	8.331	78	218756	21.231	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031731.D
 Acq On : 30 Jun 2025 10:58
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.489	41	22541	19.154	ug/l	91
42) 1,2-Dichloroethane	8.410	62	72797	20.910	ug/l	100
43) Isopropyl Acetate	8.434	43	76119	20.101	ug/l	100
44) Trichloroethene	9.099	130	54194	21.074	ug/l	100
45) 1,2-Dichloropropane	9.373	63	52141	20.939	ug/l	100
46) Dibromomethane	9.465	93	33467	20.817	ug/l	98
47) Bromodichloromethane	9.648	83	77246	20.490	ug/l	96
48) Methyl methacrylate	9.440	41	36279	19.484	ug/l	98
49) 1,4-Dioxane	9.465	88	7013m	409.751	ug/l	
51) 4-Methyl-2-Pentanone	10.209	43	217881	100.078	ug/l	99
52) Toluene	10.391	92	138387	20.978	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	72498	20.496	ug/l	99
54) cis-1,3-Dichloropropene	10.074	75	84285	21.019	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	44134	20.957	ug/l	98
56) Ethyl methacrylate	10.647	69	56229	19.681	ug/l	99
57) 1,3-Dichloropropane	10.928	76	76367	20.654	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	162561	103.330	ug/l	98
59) 2-Hexanone	10.964	43	143482	97.256	ug/l	99
60) Dibromochloromethane	11.129	129	52126	20.699	ug/l	98
61) 1,2-Dibromoethane	11.233	107	43701	20.729	ug/l	99
64) Tetrachloroethene	10.861	164	44967	19.810	ug/l	94
65) Chlorobenzene	11.653	112	154847	20.224	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	47923	19.641	ug/l	98
67) Ethyl Benzene	11.727	91	265199	19.975	ug/l	96
68) m/p-Xylenes	11.836	106	208380	40.829	ug/l	97
69) o-Xylene	12.165	106	95105	20.126	ug/l	99
70) Styrene	12.178	104	165896	20.307	ug/l	100
71) Bromoform	12.348	173	28135	19.330	ug/l #	100
73) Isopropylbenzene	12.464	105	249772	19.368	ug/l	99
74) N-amyl acetate	12.269	43	64599	18.584	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	55059	19.230	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	41432m	18.910	ug/l	
77) Bromobenzene	12.745	156	55325	19.235	ug/l	92
78) n-propylbenzene	12.800	91	299620	19.402	ug/l	98
79) 2-Chlorotoluene	12.885	91	184544	19.845	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	211664	19.828	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	16911	17.978	ug/l	92
82) 4-Chlorotoluene	12.982	91	192402	19.707	ug/l	99
83) tert-Butylbenzene	13.202	119	179144	19.591	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	216491	20.016	ug/l	98
85) sec-Butylbenzene	13.379	105	266984	19.452	ug/l	100
86) p-Isopropyltoluene	13.495	119	223225	19.735	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	114120	19.784	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	115307	19.530	ug/l	95
89) n-Butylbenzene	13.818	91	212509	19.336	ug/l	98
90) Hexachloroethane	14.086	117	38406	18.820	ug/l	98
91) 1,2-Dichlorobenzene	13.866	146	102449	19.432	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	10404	18.610	ug/l	95
93) 1,2,4-Trichlorobenzene	15.128	180	63033	19.386	ug/l	94
94) Hexachlorobutadiene	15.226	225	29695	18.913	ug/l	94
95) Naphthalene	15.354	128	146159	18.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	56085	18.772	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

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

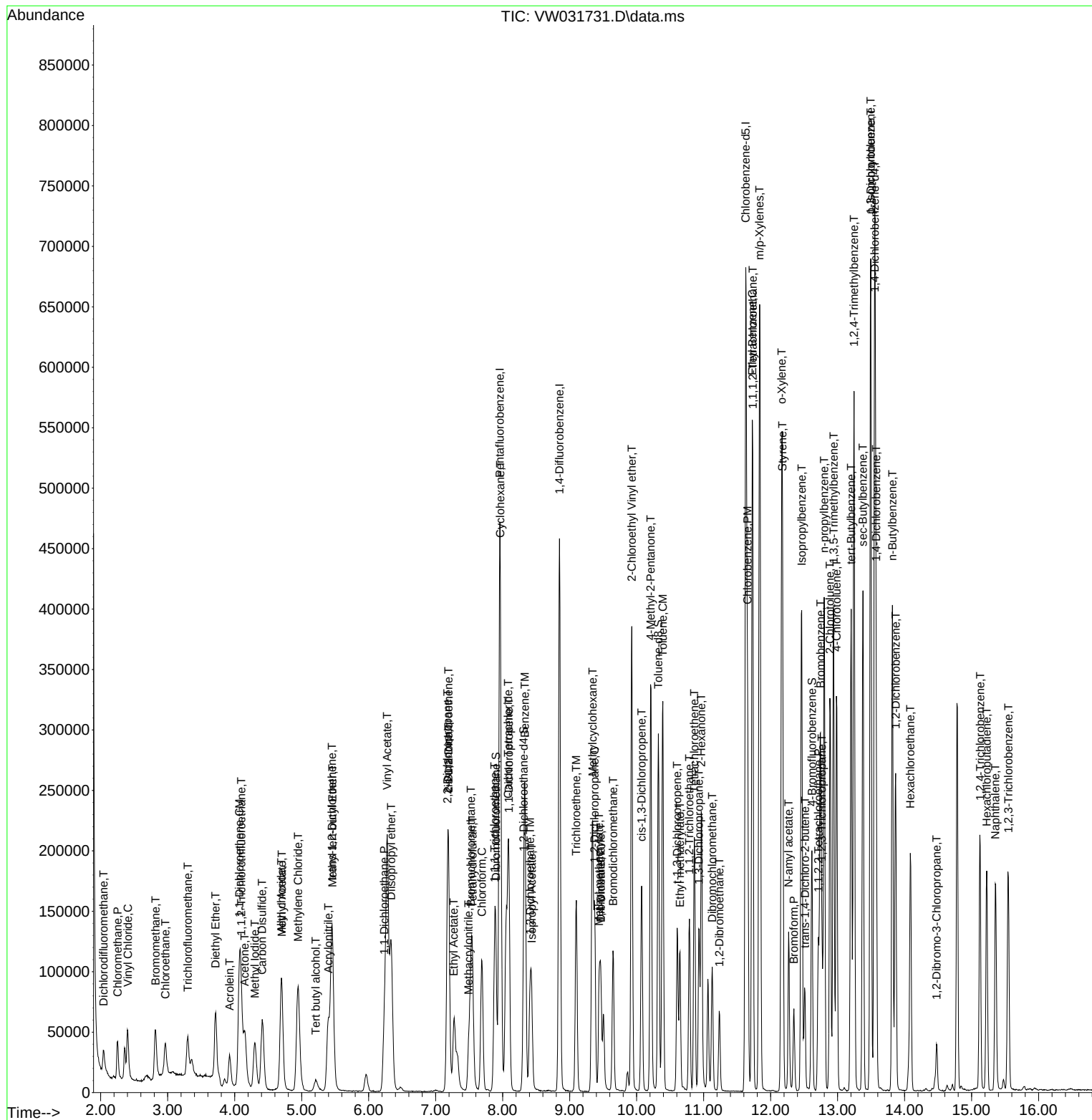
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031731.D
Acq On : 30 Jun 2025 10:58
Operator : SY/MD
Sample : VSTDIC020
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:19:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031732.D
 Acq On : 30 Jun 2025 11:21
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	224452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	404902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	363615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	174347	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	160456	49.813	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.620%
35) Dibromofluoromethane	7.904	113	131109	49.622	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.240%
50) Toluene-d8	10.324	98	489286	49.762	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	99.520%
62) 4-Bromofluorobenzene	12.617	95	180870	49.986	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	99.980%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.039	85	69611	45.539	ug/l	100
3) Chloromethane	2.253	50	84254	45.719	ug/l	100
4) Vinyl Chloride	2.405	62	115341	47.617	ug/l	100
5) Bromomethane	2.826	94	88903	46.990	ug/l	100
6) Chloroethane	2.972	64	77830	47.303	ug/l	100
7) Trichlorofluoromethane	3.307	101	105244	47.842	ug/l	100
8) Diethyl Ether	3.722	74	79864	47.778	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.106	101	114080	46.722	ug/l	100
10) Methyl Iodide	4.313	142	183075	48.636	ug/l	100
11) Tert butyl alcohol	5.216	59	52409	262.624	ug/l	100
12) 1,1-Dichloroethene	4.075	96	124737	46.640	ug/l	100
13) Acrolein	3.929	56	93443	260.524	ug/l	100
14) Allyl chloride	4.703	41	201014	48.986	ug/l	100
15) Acrylonitrile	5.398	53	214572	261.033	ug/l	100
16) Acetone	4.155	43	182890	228.296	ug/l	100
17) Carbon Disulfide	4.423	76	344867	48.188	ug/l	100
18) Methyl Acetate	4.710	43	118590	52.118	ug/l	100
19) Methyl tert-butyl Ether	5.459	73	231884	51.082	ug/l	100
20) Methylene Chloride	4.953	84	155350	48.806	ug/l	100
21) trans-1,2-Dichloroethene	5.459	96	137493	48.382	ug/l	100
22) Diisopropyl ether	6.343	45	402830	50.335	ug/l	100
23) Vinyl Acetate	6.282	43	1409763	257.896	ug/l	100
24) 1,1-Dichloroethane	6.246	63	250386	48.257	ug/l	100
25) 2-Butanone	7.191	43	279081	269.438	ug/l	100
26) 2,2-Dichloropropane	7.191	77	147400	48.691	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	160684	49.190	ug/l	100
28) Bromochloromethane	7.532	49	113190	49.435	ug/l	100
29) Tetrahydrofuran	7.550	42	188178	265.287	ug/l	100
30) Chloroform	7.691	83	270281	49.023	ug/l	100
31) Cyclohexane	7.971	56	210337	45.861	ug/l	100
32) 1,1,1-Trichloroethane	7.892	97	207721	48.890	ug/l	100
36) 1,1-Dichloropropene	8.093	75	184651	48.296	ug/l	100
37) Ethyl Acetate	7.276	43	122534	50.805	ug/l	100
38) Carbon Tetrachloride	8.081	117	186814	47.949	ug/l	100
39) Methylcyclohexane	9.343	83	229164	48.175	ug/l	100
40) Benzene	8.337	78	556688	49.213	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031732.D
 Acq On : 30 Jun 2025 11:21
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	70587	54.633	ug/l	100
42) 1,2-Dichloroethane	8.410	62	187709	49.111	ug/l	100
43) Isopropyl Acetate	8.434	43	216777	52.141	ug/l	100
44) Trichloroethene	9.099	130	139117	49.275	ug/l	100
45) 1,2-Dichloropropane	9.373	63	134070	49.040	ug/l	100
46) Dibromomethane	9.471	93	88721	50.266	ug/l	100
47) Bromodichloromethane	9.648	83	207001	50.013	ug/l	100
48) Methyl methacrylate	9.440	41	105740	51.725	ug/l	100
49) 1,4-Dioxane	9.465	88	20673	1100.195	ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	633101	264.876	ug/l	100
52) Toluene	10.391	92	354627	48.965	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	201014	51.763	ug/l	100
54) cis-1,3-Dichloropropene	10.074	75	222288	50.493	ug/l	100
55) 1,1,2-Trichloroethane	10.788	97	115580	49.991	ug/l	100
56) Ethyl methacrylate	10.647	69	166152	52.971	ug/l	100
57) 1,3-Dichloropropane	10.934	76	198954	49.013	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	454721	263.272	ug/l	100
59) 2-Hexanone	10.971	43	444148	274.219	ug/l	100
60) Dibromochloromethane	11.129	129	142721	51.621	ug/l	100
61) 1,2-Dibromoethane	11.239	107	117287	50.674	ug/l	100
64) Tetrachloroethene	10.867	164	113995	47.928	ug/l	100
65) Chlorobenzene	11.659	112	386218	48.141	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	127147	49.734	ug/l	100
67) Ethyl Benzene	11.733	91	685367	49.266	ug/l	100
68) m/p-Xylenes	11.836	106	528971	98.914	ug/l	100
69) o-Xylene	12.165	106	247840	50.054	ug/l	100
70) Styrene	12.178	104	439641	51.360	ug/l	100
71) Bromoform	12.348	173	79452	52.095	ug/l	100
73) Isopropylbenzene	12.464	105	650607	49.059	ug/l	100
74) N-amyl acetate	12.269	43	185960	52.024	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	147025	49.936	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	113761m	50.492	ug/l	
77) Bromobenzene	12.745	156	136242	46.062	ug/l	100
78) n-propylbenzene	12.800	91	778125	48.998	ug/l	100
79) 2-Chlorotoluene	12.891	91	468001	48.939	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	549993	50.102	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.507	75	50770	52.485	ug/l	100
82) 4-Chlorotoluene	12.989	91	492034	49.008	ug/l	100
83) tert-Butylbenzene	13.202	119	455621	48.454	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	544366	48.943	ug/l	100
85) sec-Butylbenzene	13.379	105	695122	49.251	ug/l	100
86) p-Isopropyltoluene	13.495	119	570989	49.088	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	286670	48.328	ug/l	100
88) 1,4-Dichlorobenzene	13.574	146	296666	48.863	ug/l	100
89) n-Butylbenzene	13.818	91	553799	49.002	ug/l	100
90) Hexachloroethane	14.086	117	103194	49.175	ug/l	100
91) 1,2-Dichlorobenzene	13.866	146	274605	50.650	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.482	75	29018	50.476	ug/l	100
93) 1,2,4-Trichlorobenzene	15.128	180	162674	48.652	ug/l	100
94) Hexachlorobutadiene	15.226	225	72238	44.742	ug/l	100
95) Naphthalene	15.354	128	417556	50.938	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	150212	48.893	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031732.D
Acq On : 30 Jun 2025 11:21
Operator : SY/MD
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 2025
Response via : Initial Calibration

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

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

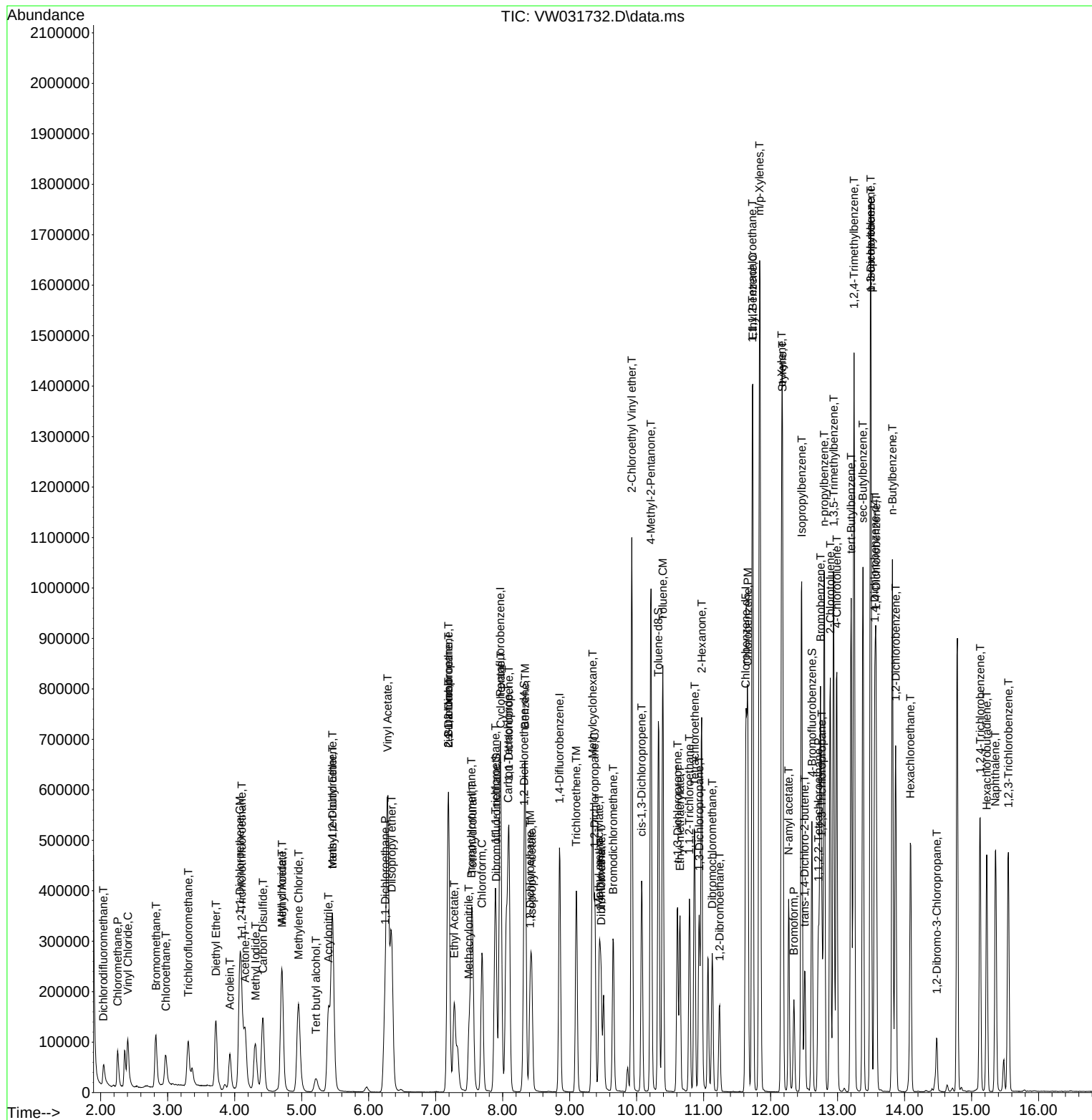
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 Data File : VW031732.D
 Acq On : 30 Jun 2025 11:21
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 01 02:20:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031733.D
 Acq On : 30 Jun 2025 12:34
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	224702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	406265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166129	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.313	65	315303	97.777	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 195.560%#	
35) Dibromofluoromethane	7.898	113	265418	100.118	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 200.240%#	
50) Toluene-d8	10.325	98	998288	101.188	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 202.380%#	
62) 4-Bromofluorobenzene	12.617	95	365527	100.680	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 201.360%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	147738	96.542	ug/l	98
3) Chloromethane	2.253	50	182080	98.692	ug/l	99
4) Vinyl Chloride	2.405	62	244761	100.935	ug/l	97
5) Bromomethane	2.814	94	184987	97.666	ug/l	99
6) Chloroethane	2.966	64	161756	98.201	ug/l	99
7) Trichlorofluoromethane	3.296	101	209568	95.160	ug/l	99
8) Diethyl Ether	3.716	74	154043	92.052	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	232215	94.998	ug/l	99
10) Methyl Iodide	4.301	142	365954	97.112	ug/l	100
11) Tert butyl alcohol	5.210	59	97696	489.014	ug/l	96
12) 1,1-Dichloroethene	4.070	96	261103	97.519	ug/l	97
13) Acrolein	3.923	56	175125	487.715	ug/l	97
14) Allyl chloride	4.698	41	412947	100.521	ug/l	99
15) Acrylonitrile	5.393	53	405986	493.345	ug/l	99
16) Acetone	4.155	43	352601	439.652	ug/l	100
17) Carbon Disulfide	4.411	76	714624	99.742	ug/l	99
18) Methyl Acetate	4.698	43	209762	92.083	ug/l	99
19) Methyl tert-butyl Ether	5.454	73	441477	97.146	ug/l	99
20) Methylene Chloride	4.942	84	294557	99.868	ug/l	97
21) trans-1,2-Dichloroethene	5.454	96	283611	99.689	ug/l	96
22) Diisopropyl ether	6.338	45	792929	98.968	ug/l	98
23) Vinyl Acetate	6.277	43	2799136	511.492	ug/l	100
24) 1,1-Dichloroethane	6.240	63	508118	97.821	ug/l	99
25) 2-Butanone	7.185	43	519074	500.581	ug/l	98
26) 2,2-Dichloropropane	7.179	77	288897	95.325	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	330910	101.187	ug/l	98
28) Bromochloromethane	7.526	49	224498	97.940	ug/l	98
29) Tetrahydrofuran	7.545	42	349502	492.168	ug/l	100
30) Chloroform	7.691	83	534507	96.841	ug/l	99
31) Cyclohexane	7.965	56	422261	91.965	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	407612	95.829	ug/l	99
36) 1,1-Dichloropropene	8.093	75	375878	97.982	ug/l	99
37) Ethyl Acetate	7.270	43	228624	94.474	ug/l	100
38) Carbon Tetrachloride	8.081	117	380387	97.306	ug/l	96
39) Methylcyclohexane	9.337	83	481270	100.834	ug/l	99
40) Benzene	8.331	78	1096371	96.598	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031733.D
 Acq On : 30 Jun 2025 12:34
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	131200	101.206	ug/l	98
42) 1,2-Dichloroethane	8.404	62	364585	95.068	ug/l	99
43) Isopropyl Acetate	8.429	43	417317	100.040	ug/l	99
44) Trichloroethene	9.099	130	273865	96.676	ug/l	96
45) 1,2-Dichloropropane	9.374	63	263216	95.956	ug/l	99
46) Dibromomethane	9.465	93	167767	94.732	ug/l	98
47) Bromodichloromethane	9.648	83	407715	98.177	ug/l	99
48) Methyl methacrylate	9.441	41	207070	100.953	ug/l	98
49) 1,4-Dioxane	9.459	88	39485	2094.300	ug/l #	99
51) 4-Methyl-2-Pentanone	10.209	43	1174822	489.871	ug/l	99
52) Toluene	10.386	92	710254	97.739	ug/l	98
53) t-1,3-Dichloropropene	10.605	75	404225	103.743	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	444410	100.610	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	223115	96.178	ug/l	97
56) Ethyl methacrylate	10.642	69	326655	103.792	ug/l	98
57) 1,3-Dichloropropane	10.928	76	387413	95.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.922	63	907630	523.732	ug/l	99
59) 2-Hexanone	10.965	43	817133	502.809	ug/l	99
60) Dibromochloromethane	11.129	129	273293	98.517	ug/l	97
61) 1,2-Dibromoethane	11.233	107	222768	95.925	ug/l	99
64) Tetrachloroethene	10.861	164	236432	100.695	ug/l	94
65) Chlorobenzene	11.654	112	773712	97.693	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.727	131	252455	100.030	ug/l	98
67) Ethyl Benzene	11.727	91	1388600	101.112	ug/l	100
68) m/p-Xylenes	11.837	106	1077324	204.066	ug/l	98
69) o-Xylene	12.160	106	506083	103.535	ug/l	97
70) Styrene	12.178	104	865542	102.427	ug/l	99
71) Bromoform	12.349	173	154434	102.574	ug/l #	97
73) Isopropylbenzene	12.459	105	1355736	107.286	ug/l	100
74) N-amyl acetate	12.270	43	363996	106.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	275439	98.180	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	205119m	95.544	ug/l	
77) Bromobenzene	12.739	156	294310	104.424	ug/l	86
78) n-propylbenzene	12.800	91	1572731	103.933	ug/l	99
79) 2-Chlorotoluene	12.885	91	930210	102.084	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1101203	105.277	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	99233	107.660	ug/l	98
82) 4-Chlorotoluene	12.983	91	963920	100.758	ug/l	100
83) tert-Butylbenzene	13.202	119	942890	105.234	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	1093757	103.202	ug/l	100
85) sec-Butylbenzene	13.379	105	1390528	103.396	ug/l	100
86) p-Isopropyltoluene	13.495	119	1168552	105.431	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	558538	98.818	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	576612	99.669	ug/l	97
89) n-Butylbenzene	13.818	91	1126053	104.566	ug/l	99
90) Hexachloroethane	14.092	117	211871	105.958	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	519347	100.530	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	55462	101.247	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	332108	104.240	ug/l	100
94) Hexachlorobutadiene	15.226	225	163909	106.542	ug/l	89
95) Naphthalene	15.360	128	867343	111.042	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	313738	107.170	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031733.D
Acq On : 30 Jun 2025 12:34
Operator : SY/MD
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:20:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 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_W\Data\VW063025\
 Data File : VW031733.D
 Acq On : 30 Jun 2025 12:34
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_W

Client SampleId :

VSTDICC100

Quant Time: Jul 01 02:20:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 02:17:14 2025

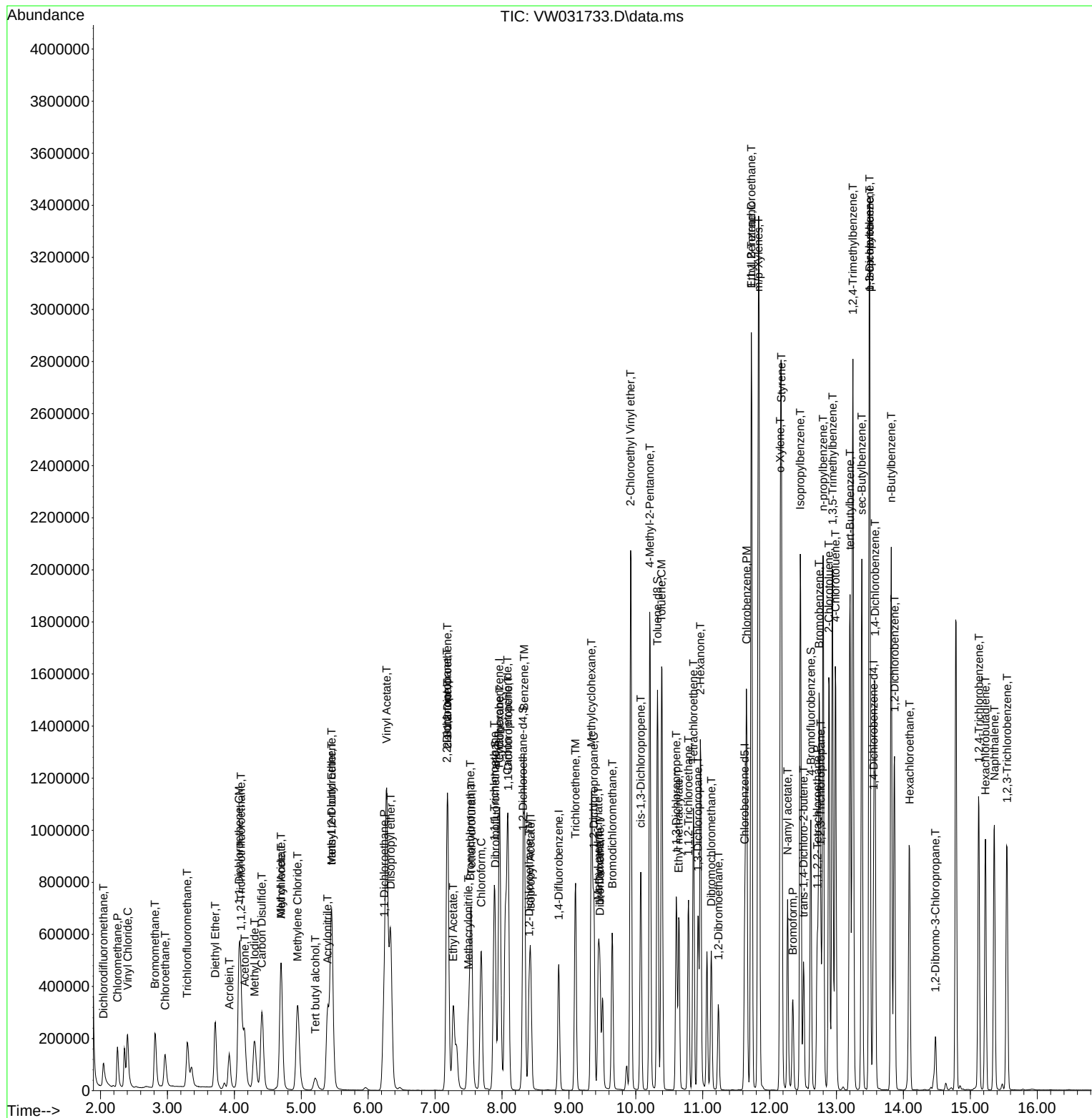
Response via : Initial Calibration

Manual Integrations

APPROVED

Reviewed By : Mahesh Dadoda 07/01/2025

Supervised By : Semsettin Yesilyurt 07/01/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031734.D
 Acq On : 30 Jun 2025 12:55
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	218767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	399414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	342661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	157853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	450859	143.606	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 287.220%#			
35) Dibromofluoromethane	7.898	113	374365	143.636	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 287.280%#			
50) Toluene-d8	10.325	98	1429859	147.419	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 294.840%#			
62) 4-Bromofluorobenzene	12.617	95	519559	145.561	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 291.120%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	230089	154.434	ug/l	100
3) Chloromethane	2.259	50	286265	159.372	ug/l	100
4) Vinyl Chloride	2.405	62	358412	151.812	ug/l	97
5) Bromomethane	2.814	94	274101	148.641	ug/l	97
6) Chloroethane	2.966	64	244261	152.312	ug/l	99
7) Trichlorofluoromethane	3.301	101	358255	167.089	ug/l	96
8) Diethyl Ether	3.716	74	223268	137.038	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.106	101	347651	146.081	ug/l	98
10) Methyl Iodide	4.301	142	539018	146.918	ug/l	100
11) Tert butyl alcohol	5.222	59	146727	754.362	ug/l	97
12) 1,1-Dichloroethene	4.070	96	386108	148.119	ug/l	95
13) Acrolein	3.929	56	257205	735.736	ug/l	96
14) Allyl chloride	4.704	41	619915	154.996	ug/l	98
15) Acrylonitrile	5.399	53	594796	742.391	ug/l	99
16) Acetone	4.155	43	473412	606.303	ug/l	99
17) Carbon Disulfide	4.417	76	1071989	153.680	ug/l	98
18) Methyl Acetate	4.704	43	318399	143.565	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	648742	146.627	ug/l	98
20) Methylene Chloride	4.954	84	411070	150.156	ug/l	97
21) trans-1,2-Dichloroethene	5.453	96	412998	149.107	ug/l	97
22) Diisopropyl ether	6.337	45	1161324	148.881	ug/l	98
23) Vinyl Acetate	6.283	43	4186413	785.745	ug/l	100
24) 1,1-Dichloroethane	6.246	63	756841	149.658	ug/l	99
25) 2-Butanone	7.191	43	776184	768.838	ug/l	98
26) 2,2-Dichloropropane	7.191	77	441320	149.570	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	485495	152.485	ug/l	99
28) Bromochloromethane	7.532	49	321043	143.858	ug/l	97
29) Tetrahydrofuran	7.551	42	517793	748.936	ug/l	99
30) Chloroform	7.691	83	792676	147.511	ug/l	97
31) Cyclohexane	7.971	56	643550	143.962	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	629664	152.050	ug/l	99
36) 1,1-Dichloropropene	8.093	75	559803	148.429	ug/l	99
37) Ethyl Acetate	7.270	43	341691	143.618	ug/l	100
38) Carbon Tetrachloride	8.087	117	580610	151.072	ug/l	97
39) Methylcyclohexane	9.343	83	741380	157.996	ug/l	99
40) Benzene	8.337	78	1642494	147.198	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031734.D
 Acq On : 30 Jun 2025 12:55
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 02:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	199650	156.650	ug/l	99
42) 1,2-Dichloroethane	8.410	62	533792	141.578	ug/l	99
43) Isopropyl Acetate	8.435	43	631057	153.874	ug/l	100
44) Trichloroethene	9.099	130	424322	152.358	ug/l	99
45) 1,2-Dichloropropane	9.373	63	390006	144.616	ug/l	98
46) Dibromomethane	9.465	93	251060	144.196	ug/l	99
47) Bromodichloromethane	9.648	83	610837	149.611	ug/l	99
48) Methyl methacrylate	9.441	41	306797	152.139	ug/l	99
49) 1,4-Dioxane	9.459	88	57850	3121.017	ug/l #	94
51) 4-Methyl-2-Pentanone	10.215	43	1721097	729.963	ug/l	99
52) Toluene	10.392	92	1076709	150.709	ug/l	95
53) t-1,3-Dichloropropene	10.605	75	598943	156.353	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	670647	154.433	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	326894	143.331	ug/l	97
56) Ethyl methacrylate	10.648	69	490690	158.587	ug/l	99
57) 1,3-Dichloropropane	10.934	76	570666	142.516	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	1297023	761.261	ug/l	100
59) 2-Hexanone	10.971	43	1192007	746.062	ug/l	99
60) Dibromochloromethane	11.129	129	413333	151.554	ug/l	98
61) 1,2-Dibromoethane	11.233	107	336847	147.535	ug/l	98
64) Tetrachloroethene	10.867	164	353130	157.549	ug/l	92
65) Chlorobenzene	11.660	112	1150958	152.237	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	375280	155.768	ug/l	99
67) Ethyl Benzene	11.733	91	2044338	155.940	ug/l	94
68) m/p-Xylenes	11.836	106	1571204	311.770	ug/l	98
69) o-Xylene	12.166	106	743731	159.389	ug/l	99
70) Styrene	12.178	104	1266593	157.015	ug/l	99
71) Bromoform	12.349	173	229439	159.639	ug/l #	98
73) Isopropylbenzene	12.464	105	1956819	162.971	ug/l	99
74) N-amyl acetate	12.269	43	535843	165.571	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	403490	151.363	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	308804m	151.382	ug/l	
77) Bromobenzene	12.745	156	427085	159.479	ug/l	88
78) n-propylbenzene	12.800	91	2324539	161.670	ug/l	100
79) 2-Chlorotoluene	12.891	91	1366267	157.800	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	1593533	160.332	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	146143	166.866	ug/l	98
82) 4-Chlorotoluene	12.989	91	1410360	155.153	ug/l	98
83) tert-Butylbenzene	13.202	119	1418313	166.594	ug/l	96
84) 1,2,4-Trimethylbenzene	13.251	105	1609766	159.853	ug/l	99
85) sec-Butylbenzene	13.379	105	2077110	162.545	ug/l	99
86) p-Isopropyltoluene	13.495	119	1725089	163.804	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	815863	151.913	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	826448	150.344	ug/l	96
89) n-Butylbenzene	13.818	91	1662481	162.473	ug/l	99
90) Hexachloroethane	14.092	117	319664	168.248	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	740320	150.818	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.476	75	82484	158.471	ug/l	96
93) 1,2,4-Trichlorobenzene	15.129	180	486869	160.827	ug/l	97
94) Hexachlorobutadiene	15.226	225	231652	158.470	ug/l	93
95) Naphthalene	15.360	128	1256199	169.258	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	438342	157.584	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031734.D
Acq On : 30 Jun 2025 12:55
Operator : SY/MD
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 02:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:17:14 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_W\Data\VW063025\
 Data File : VW031734.D
 Acq On : 30 Jun 2025 12:55
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

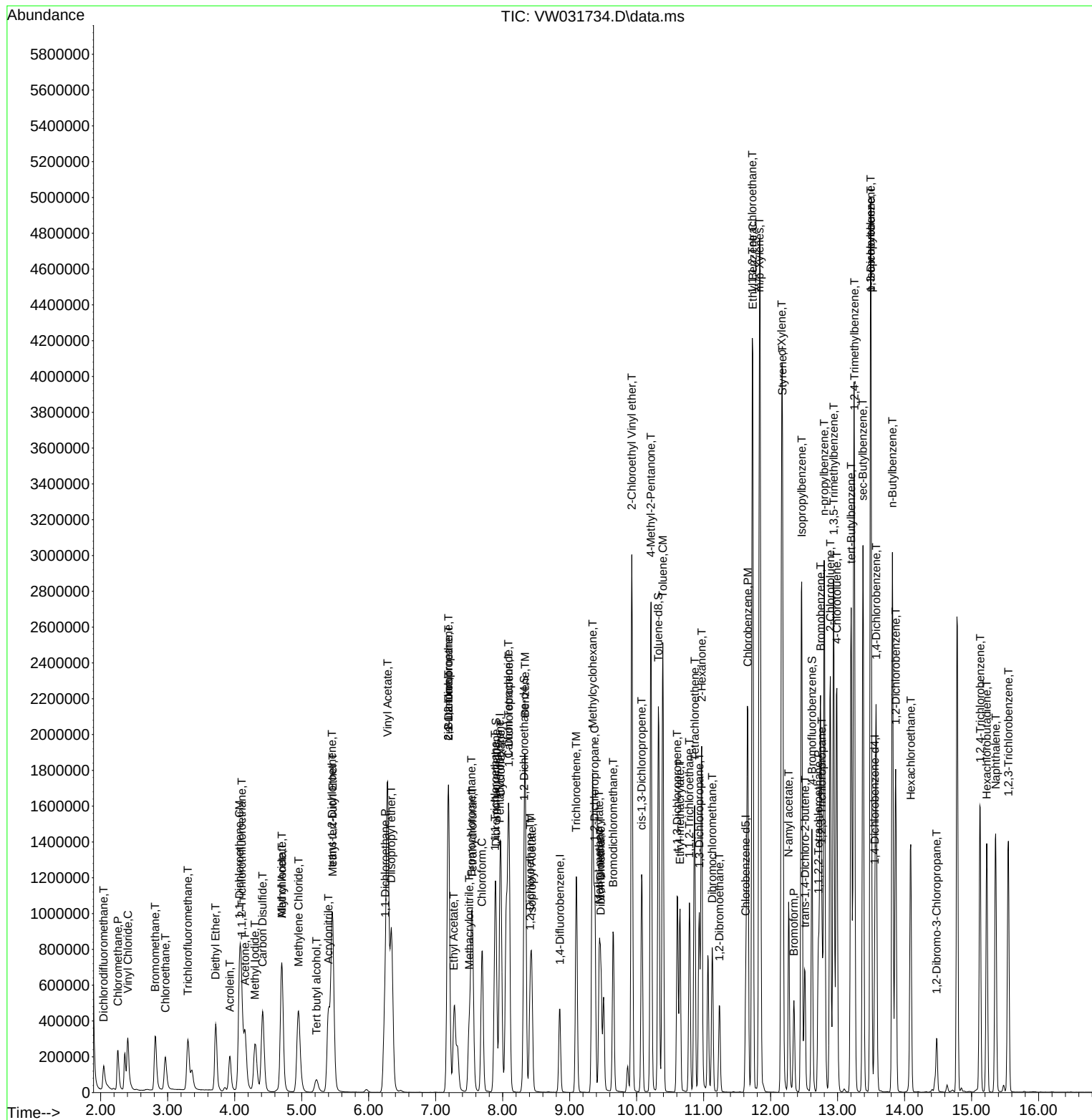
Quant Time: Jul 01 02:21:44 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M

Quant Title : SW846 8260

QLast Update : Tue Jul 01 02:17:14 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW063025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	228661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	405093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352363	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	172405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	163826	49.923	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	99.840%		
35) Dibromofluoromethane	7.898	113	129810	49.107	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	98.220%		
50) Toluene-d8	10.324	98	497288	50.552	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	101.100%		
62) 4-Bromofluorobenzene	12.617	95	189206	52.265	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	104.540%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.045	85	79725	51.196	ug/l	99
3) Chloromethane	2.253	50	96206	51.243	ug/l	98
4) Vinyl Chloride	2.405	62	129034	52.290	ug/l	98
5) Bromomethane	2.820	94	94589	49.075	ug/l	100
6) Chloroethane	2.966	64	85126	50.785	ug/l	98
7) Trichlorofluoromethane	3.301	101	102813	45.877	ug/l	99
8) Diethyl Ether	3.716	74	85549	50.236	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.094	101	127184	51.130	ug/l	99
10) Methyl Iodide	4.307	142	196219	51.168	ug/l	99
11) Tert butyl alcohol	5.216	59	55596	273.466	ug/l	98
12) 1,1-Dichloroethene	4.069	96	139112	51.057	ug/l	95
13) Acrolein	3.923	56	87032	238.183	ug/l	97
14) Allyl chloride	4.697	41	223623	53.493	ug/l	99
15) Acrylonitrile	5.392	53	220336	263.111	ug/l	99
16) Acetone	4.155	43	207587	255.933	ug/l	99
17) Carbon Disulfide	4.417	76	372415	51.079	ug/l	99
18) Methyl Acetate	4.704	43	110627	47.723	ug/l	99
19) Methyl tert-butyl Ether	5.453	73	249430	53.936	ug/l	99
20) Methylene Chloride	4.947	84	165907	51.478	ug/l	99
21) trans-1,2-Dichloroethene	5.453	96	150128	51.856	ug/l	96
22) Diisopropyl ether	6.331	45	435531	53.419	ug/l	95
23) Vinyl Acetate	6.276	43	1558241	279.810	ug/l	98
24) 1,1-Dichloroethane	6.240	63	275659	52.150	ug/l	98
25) 2-Butanone	7.191	43	295677	280.206	ug/l	96
26) 2,2-Dichloropropane	7.179	77	158098	51.263	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	175371	52.697	ug/l	100
28) Bromochloromethane	7.526	49	118204	50.675	ug/l	99
29) Tetrahydrofuran	7.544	42	197209	272.901	ug/l	99
30) Chloroform	7.691	83	291107	51.829	ug/l	99
31) Cyclohexane	7.965	56	235145	50.326	ug/l	96
32) 1,1,1-Trichloroethane	7.880	97	226937	52.429	ug/l	99
36) 1,1-Dichloropropene	8.093	75	207537	54.256	ug/l	99
37) Ethyl Acetate	7.264	43	135668	56.224	ug/l	99
38) Carbon Tetrachloride	8.081	117	211131	54.165	ug/l	99
39) Methylcyclohexane	9.337	83	261262	54.897	ug/l	99
40) Benzene	8.331	78	600684	53.078	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW063025

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
 Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	76710	59.345	ug/l	97
42) 1,2-Dichloroethane	8.410	62	201420	52.674	ug/l	99
43) Isopropyl Acetate	8.435	43	234518	56.382	ug/l	99
44) Trichloroethene	9.099	130	147985	52.391	ug/l	99
45) 1,2-Dichloropropane	9.373	63	142562	52.122	ug/l	95
46) Dibromomethane	9.465	93	92714	52.504	ug/l	98
47) Bromodichloromethane	9.648	83	222794	53.804	ug/l	99
48) Methyl methacrylate	9.440	41	119156	58.260	ug/l	94
49) 1,4-Dioxane	9.465	88	21984	1062.966	ug/l #	94
51) 4-Methyl-2-Pentanone	10.209	43	667473	279.124	ug/l	100
52) Toluene	10.392	92	394923	54.503	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	217762	56.049	ug/l	96
54) cis-1,3-Dichloropropene	10.074	75	242935	55.157	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	124548	53.844	ug/l	98
56) Ethyl methacrylate	10.648	69	182604	58.189	ug/l	98
57) 1,3-Dichloropropane	10.934	76	211062	51.971	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.922	63	486398	281.479	ug/l	97
59) 2-Hexanone	10.971	43	458136	282.722	ug/l	100
60) Dibromochloromethane	11.129	129	149294	53.973	ug/l	98
61) 1,2-Dibromoethane	11.233	107	123748	53.440	ug/l	96
64) Tetrachloroethene	10.861	164	120824	52.421	ug/l	95
65) Chlorobenzene	11.653	112	423257	54.443	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.727	131	141650	57.176	ug/l	94
67) Ethyl Benzene	11.727	91	757105	56.161	ug/l	99
68) m/p-Xylenes	11.836	106	590281	113.903	ug/l	98
69) o-Xylene	12.166	106	274498	57.208	ug/l	98
70) Styrene	12.178	104	469288	56.574	ug/l	99
71) Bromoform	12.348	173	86209	58.331	ug/l	99
73) Isopropylbenzene	12.458	105	715943	54.594	ug/l	99
74) N-amyl acetate	12.269	43	207540	58.715	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	157354	54.047	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	118399m	53.142	ug/l	
77) Bromobenzene	12.745	156	164306	56.175	ug/l	85
78) n-propylbenzene	12.800	91	868816	55.325	ug/l	100
79) 2-Chlorotoluene	12.891	91	515508	54.514	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	610714	56.260	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.513	75	54787	57.276	ug/l	97
82) 4-Chlorotoluene	12.983	91	528072	53.189	ug/l	99
83) tert-Butylbenzene	13.202	119	502105	53.999	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	602889	54.815	ug/l	99
85) sec-Butylbenzene	13.379	105	773900	55.450	ug/l	100
86) p-Isopropyltoluene	13.495	119	639419	55.591	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	321218	54.762	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	316827	52.771	ug/l	97
89) n-Butylbenzene	13.818	91	630792	56.443	ug/l	100
90) Hexachloroethane	14.086	117	116309	56.049	ug/l	99
91) 1,2-Dichlorobenzene	13.866	146	290975	54.274	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.476	75	30797	54.174	ug/l	99
93) 1,2,4-Trichlorobenzene	15.122	180	190916	57.742	ug/l	97
94) Hexachlorobutadiene	15.226	225	92237	57.772	ug/l	91
95) Naphthalene	15.354	128	461350	56.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	174283	57.366	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW063025

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

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

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

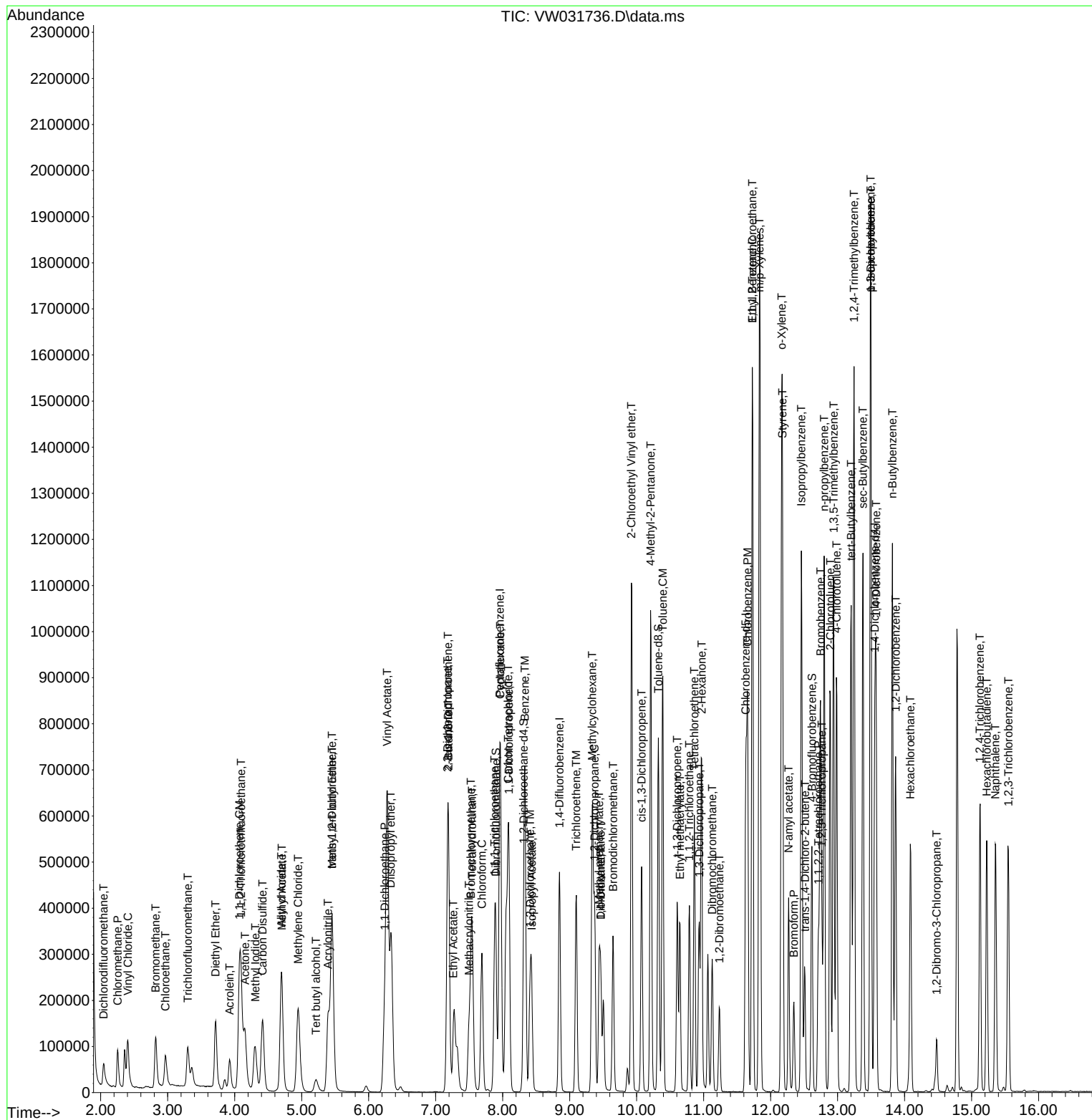
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW063025

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/01/2025
Supervised By :Semsettin Yesilyurt 07/01/2025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
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Instrument :
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Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2 T	Dichlorodifluoromethane	0.341	0.349	-2.3	115	0.00
3 P	Chloromethane	0.411	0.421	-2.4	114	0.00
4 C	Vinyl Chloride	0.540	0.564	-4.4#	112	0.00
5 T	Bromomethane	0.421	0.414	1.7	106	0.00
6 T	Chloroethane	0.367	0.372	-1.4	109	0.00
7 T	Trichlorofluoromethane	0.490	0.450	8.2	98	0.00
8 T	Diethyl Ether	0.372	0.374	-0.5	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.544	0.556	-2.2	111	-0.01
10 T	Methyl Iodide	0.839	0.858	-2.3	107	0.00
11 T	Tert butyl alcohol	0.044	0.049	-11.4	106	0.00
12 CM	1,1-Dichloroethene	0.596	0.608	-2.0#	112	0.00
13 T	Acrolein	0.080	0.076	5.0	93	0.00
14 T	Allyl chloride	0.914	0.978	-7.0	111	0.00
15 T	Acrylonitrile	0.183	0.193	-5.5	103	0.00
16 T	Acetone	0.177	0.182	-2.8	114	0.00
17 T	Carbon Disulfide	1.594	1.629	-2.2	108	0.00
18 T	Methyl Acetate	0.507	0.484	4.5	93	0.00
19 T	Methyl tert-butyl Ether	1.011	1.091	-7.9	108	0.00
20 T	Methylene Chloride	0.814	0.726	10.8	107	0.00
21 T	trans-1,2-Dichloroethene	0.633	0.657	-3.8	109	0.00
22 T	Diisopropyl ether	1.783	1.905	-6.8	108	-0.01
23 T	Vinyl Acetate	1.218	1.363	-11.9	111	0.00
24 P	1,1-Dichloroethane	1.156	1.206	-4.3	110	0.00
25 T	2-Butanone	0.231	0.259	-12.1	106	0.00
26 T	2,2-Dichloropropane	0.674	0.691	-2.5	107	-0.01
27 T	cis-1,2-Dichloroethene	0.728	0.767	-5.4	109	0.00
28 T	Bromochloromethane	0.510	0.517	-1.4	104	0.00
29 T	Tetrahydrofuran	0.158	0.172	-8.9	105	0.00
30 C	Chloroform	1.228	1.273	-3.7#	108	0.00
31 T	Cyclohexane	1.022	1.028	-0.6	112	0.00
32 T	1,1,1-Trichloroethane	0.946	0.992	-4.9	109	-0.01
33 S	1,2-Dichloroethane-d4	0.718	0.716	0.3	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
35 S	Dibromofluoromethane	0.326	0.320	1.8	99	0.00
36 T	1,1-Dichloropropene	0.472	0.512	-8.5	112	0.00
37 T	Ethyl Acetate	0.298	0.335	-12.4	111	-0.01
38 T	Carbon Tetrachloride	0.481	0.521	-8.3	113	0.00
39 T	Methylcyclohexane	0.587	0.645	-9.9	114	0.00
40 TM	Benzene	1.397	1.483	-6.2	108	0.00
41 T	Methacrylonitrile	0.160	0.189	-18.1	109	0.00
42 TM	1,2-Dichloroethane	0.472	0.497	-5.3	107	0.00
43 T	Isopropyl Acetate	0.513	0.579	-12.9	108	0.00
44 TM	Trichloroethene	0.349	0.365	-4.6	106	0.00
45 C	1,2-Dichloropropane	0.338	0.352	-4.1#	106	0.00
46 T	Dibromomethane	0.218	0.229	-5.0	105	0.00
47 T	Bromodichloromethane	0.511	0.550	-7.6	108	0.00
48 T	Methyl methacrylate	0.252	0.294	-16.7	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW063025

Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 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	0.003	0.003	0.0	106	0.00
50 S	Toluene-d8	1.214	1.228	-1.2	102	0.00
51 T	4-Methyl-2-Pentanone	0.295	0.330	-11.9	105	0.00
52 CM	Toluene	0.894	0.975	-9.1#	111	0.00
53 T	t-1,3-Dichloropropene	0.480	0.538	-12.1	108	0.00
54 T	cis-1,3-Dichloropropene	0.544	0.600	-10.3	109	0.00
55 T	1,1,2-Trichloroethane	0.286	0.307	-7.3	108	0.00
56 T	Ethyl methacrylate	0.387	0.451	-16.5	110	0.00
57 T	1,3-Dichloropropane	0.501	0.521	-4.0	106	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.240	-12.7	107	0.00
59 T	2-Hexanone	0.200	0.226	-13.0	103	0.00
60 T	Dibromochloromethane	0.341	0.369	-8.2	105	0.00
61 T	1,2-Dibromoethane	0.286	0.305	-6.6	106	0.00
62 S	4-Bromofluorobenzene	0.447	0.467	-4.5	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64 T	Tetrachloroethene	0.327	0.343	-4.9	106	0.00
65 PM	Chlorobenzene	1.103	1.201	-8.9	110	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.402	-14.2	111	0.00
67 C	Ethyl Benzene	1.913	2.149	-12.3#	110	0.00
68 T	m/p-Xylenes	0.735	0.838	-14.0	112	0.00
69 T	o-Xylene	0.681	0.779	-14.4	111	0.00
70 T	Styrene	1.177	1.332	-13.2	107	0.00
71 P	Bromoform	0.210	0.245	-16.7	109	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
73 T	Isopropylbenzene	3.803	4.153	-9.2	110	0.00
74 T	N-amyl acetate	1.025	1.204	-17.5	112	0.00
75 P	1,1,2,2-Tetrachloroethane	0.844	0.913	-8.2	107	0.00
76 T	1,2,3-Trichloropropane	0.646	0.687	-6.3	104	0.00
77 T	Bromobenzene	0.848	0.953	-12.4	121	0.00
78 T	n-propylbenzene	4.554	5.039	-10.6	112	0.00
79 T	2-Chlorotoluene	2.743	2.990	-9.0	110	0.00
80 T	1,3,5-Trimethylbenzene	3.148	3.542	-12.5	111	0.00
81 T	trans-1,4-Dichloro-2-butene	0.277	0.318	-14.8	108	0.00
82 T	4-Chlorotoluene	2.879	3.063	-6.4	107	0.00
83 T	tert-Butylbenzene	2.697	2.912	-8.0	110	0.00
84 T	1,2,4-Trimethylbenzene	3.190	3.497	-9.6	111	0.00
85 T	sec-Butylbenzene	4.048	4.489	-10.9	111	0.00
86 T	p-Isopropyltoluene	3.336	3.709	-11.2	112	0.00
87 T	1,3-Dichlorobenzene	1.701	1.863	-9.5	112	0.00
88 T	1,4-Dichlorobenzene	1.741	1.838	-5.6	107	0.00
89 T	n-Butylbenzene	3.241	3.659	-12.9	114	0.00
90 T	Hexachloroethane	0.602	0.675	-12.1	113	0.00
91 T	1,2-Dichlorobenzene	1.555	1.688	-8.6	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.165	0.179	-8.5	106	0.00
93 T	1,2,4-Trichlorobenzene	0.959	1.107	-15.4	117	0.00
94 T	Hexachlorobutadiene	0.463	0.535	-15.6	128	0.00
95 T	Naphthalene	2.351	2.676	-13.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.881	1.011	-14.8	116	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
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 Misc : 5.00g/5mL/MSVOA_W/SOIL
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Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2 T	Dichlorodifluoromethane	50.000	51.196	-2.4	115	0.00
3 P	Chloromethane	50.000	51.243	-2.5	114	0.00
4 C	Vinyl Chloride	50.000	52.290	-4.6#	112	0.00
5 T	Bromomethane	50.000	49.075	1.8	106	0.00
6 T	Chloroethane	50.000	50.785	-1.6	109	0.00
7 T	Trichlorofluoromethane	50.000	45.877	8.2	98	0.00
8 T	Diethyl Ether	50.000	50.236	-0.5	107	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	51.130	-2.3	111	-0.01
10 T	Methyl Iodide	50.000	51.168	-2.3	107	0.00
11 T	Tert butyl alcohol	250.000	273.466	-9.4	106	0.00
12 CM	1,1-Dichloroethene	50.000	51.057	-2.1#	112	0.00
13 T	Acrolein	250.000	238.183	4.7	93	0.00
14 T	Allyl chloride	50.000	53.493	-7.0	111	0.00
15 T	Acrylonitrile	250.000	263.111	-5.2	103	0.00
16 T	Acetone	250.000	255.933	-2.4	114	0.00
17 T	Carbon Disulfide	50.000	51.079	-2.2	108	0.00
18 T	Methyl Acetate	50.000	47.723	4.6	93	0.00
19 T	Methyl tert-butyl Ether	50.000	53.936	-7.9	108	0.00
20 T	Methylene Chloride	50.000	51.478	-3.0	107	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.856	-3.7	109	0.00
22 T	Diisopropyl ether	50.000	53.419	-6.8	108	-0.01
23 T	Vinyl Acetate	250.000	279.810	-11.9	111	0.00
24 P	1,1-Dichloroethane	50.000	52.150	-4.3	110	0.00
25 T	2-Butanone	250.000	280.206	-12.1	106	0.00
26 T	2,2-Dichloropropane	50.000	51.263	-2.5	107	-0.01
27 T	cis-1,2-Dichloroethene	50.000	52.697	-5.4	109	0.00
28 T	Bromochloromethane	50.000	50.675	-1.3	104	0.00
29 T	Tetrahydrofuran	250.000	272.901	-9.2	105	0.00
30 C	Chloroform	50.000	51.829	-3.7#	108	0.00
31 T	Cyclohexane	50.000	50.326	-0.7	112	0.00
32 T	1,1,1-Trichloroethane	50.000	52.429	-4.9	109	-0.01
33 S	1,2-Dichloroethane-d4	50.000	49.923	0.2	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	100	0.00
35 S	Dibromofluoromethane	50.000	49.107	1.8	99	0.00
36 T	1,1-Dichloropropene	50.000	54.256	-8.5	112	0.00
37 T	Ethyl Acetate	50.000	56.224	-12.4	111	-0.01
38 T	Carbon Tetrachloride	50.000	54.165	-8.3	113	0.00
39 T	Methylcyclohexane	50.000	54.897	-9.8	114	0.00
40 TM	Benzene	50.000	53.078	-6.2	108	0.00
41 T	Methacrylonitrile	50.000	59.345	-18.7	109	0.00
42 TM	1,2-Dichloroethane	50.000	52.674	-5.3	107	0.00
43 T	Isopropyl Acetate	50.000	56.382	-12.8	108	0.00
44 TM	Trichloroethene	50.000	52.391	-4.8	106	0.00
45 C	1,2-Dichloropropane	50.000	52.122	-4.2#	106	0.00
46 T	Dibromomethane	50.000	52.504	-5.0	105	0.00
47 T	Bromodichloromethane	50.000	53.804	-7.6	108	0.00
48 T	Methyl methacrylate	50.000	58.260	-16.5	113	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
 Data File : VW031736.D
 Acq On : 30 Jun 2025 15:23
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW063025

Quant Time: Jul 01 03:38:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 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	1062.966	-6.3	106	0.00
50 S	Toluene-d8	50.000	50.552	-1.1	102	0.00
51 T	4-Methyl-2-Pentanone	250.000	279.124	-11.6	105	0.00
52 CM	Toluene	50.000	54.503	-9.0#	111	0.00
53 T	t-1,3-Dichloropropene	50.000	56.049	-12.1	108	0.00
54 T	cis-1,3-Dichloropropene	50.000	55.157	-10.3	109	0.00
55 T	1,1,2-Trichloroethane	50.000	53.844	-7.7	108	0.00
56 T	Ethyl methacrylate	50.000	58.189	-16.4	110	0.00
57 T	1,3-Dichloropropane	50.000	51.971	-3.9	106	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	281.479	-12.6	107	0.00
59 T	2-Hexanone	250.000	282.722	-13.1	103	0.00
60 T	Dibromochloromethane	50.000	53.973	-7.9	105	0.00
61 T	1,2-Dibromoethane	50.000	53.440	-6.9	106	0.00
62 S	4-Bromofluorobenzene	50.000	52.265	-4.5	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64 T	Tetrachloroethene	50.000	52.421	-4.8	106	0.00
65 PM	Chlorobenzene	50.000	54.443	-8.9	110	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	57.176	-14.4	111	0.00
67 C	Ethyl Benzene	50.000	56.161	-12.3#	110	0.00
68 T	m/p-Xylenes	100.000	113.903	-13.9	112	0.00
69 T	o-Xylene	50.000	57.208	-14.4	111	0.00
70 T	Styrene	50.000	56.574	-13.1	107	0.00
71 P	Bromoform	50.000	58.331	-16.7	109	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	99	0.00
73 T	Isopropylbenzene	50.000	54.594	-9.2	110	0.00
74 T	N-amyl acetate	50.000	58.715	-17.4	112	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.047	-8.1	107	0.00
76 T	1,2,3-Trichloropropane	50.000	53.142	-6.3	104	0.00
77 T	Bromobenzene	50.000	56.175	-12.3	121	0.00
78 T	n-propylbenzene	50.000	55.325	-10.7	112	0.00
79 T	2-Chlorotoluene	50.000	54.514	-9.0	110	0.00
80 T	1,3,5-Trimethylbenzene	50.000	56.260	-12.5	111	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	57.276	-14.6	108	0.00
82 T	4-Chlorotoluene	50.000	53.189	-6.4	107	0.00
83 T	tert-Butylbenzene	50.000	53.999	-8.0	110	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.815	-9.6	111	0.00
85 T	sec-Butylbenzene	50.000	55.450	-10.9	111	0.00
86 T	p-Isopropyltoluene	50.000	55.591	-11.2	112	0.00
87 T	1,3-Dichlorobenzene	50.000	54.762	-9.5	112	0.00
88 T	1,4-Dichlorobenzene	50.000	52.771	-5.5	107	0.00
89 T	n-Butylbenzene	50.000	56.443	-12.9	114	0.00
90 T	Hexachloroethane	50.000	56.049	-12.1	113	0.00
91 T	1,2-Dichlorobenzene	50.000	54.274	-8.5	106	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	54.174	-8.3	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	57.742	-15.5	117	0.00
94 T	Hexachlorobutadiene	50.000	57.772	-15.5	128	0.00
95 T	Naphthalene	50.000	56.915	-13.8	110	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031736.D
Acq On : 30 Jun 2025 15:23
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVWVW063025

Quant Time: Jul 01 03:38:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	57.366	-14.7	116	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: Alliance Contract: GENV01
 Lab Code: ACE SDG No.: Q2503
 Instrument ID: MSVOA_X Calibration Date(s): 07/02/2025 07/02/2025
 Heated Purge: (Y/N) N Calibration Time(s): 12:11 14:31
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX046860.D		RRF005 = VX046861.D		RRF020 = VX046862.D			
		RRF050 = VX046863.D		RRF100 = VX046864.D		RRF150 = VX046865.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.445	0.433	0.512	0.487	0.503	0.490	0.478	6.7	
Chloromethane	0.505	0.507	0.541	0.508	0.543	0.530	0.522	3.4	
Vinyl Chloride	0.568	0.549	0.591	0.550	0.589	0.566	0.569	3.2	
Bromomethane		0.402	0.402	0.360	0.369	0.295	0.366	12	
Chloroethane	0.443	0.365	0.383	0.347	0.362	0.354	0.376	9.4	
Trichlorofluoromethane	0.847	0.874	0.921	0.857	0.893	0.885	0.880	3	
1,1,2-Trichlorotrifluoroethane	0.527	0.571	0.583	0.548	0.572	0.562	0.561	3.6	
1,1-Dichloroethene	0.543	0.555	0.546	0.524	0.546	0.540	0.542	1.9	
Acetone	0.236	0.210	0.195	0.193	0.197	0.200	0.205	7.9	
Carbon Disulfide	1.585	1.425	1.405	1.342	1.398	1.376	1.422	6	
Methyl tert-butyl Ether	1.447	1.470	1.540	1.528	1.587	1.615	1.531	4.2	
Methyl Acetate	0.488	0.474	0.560	0.553	0.570	0.599	0.541	9.1	
Methylene Chloride	0.623	0.625	0.624	0.585	0.596	0.588	0.607	3.1	
trans-1,2-Dichloroethene	0.552	0.564	0.575	0.541	0.551	0.545	0.555	2.3	
1,1-Dichloroethane	1.080	1.084	1.074	1.039	1.055	1.050	1.064	1.7	
Cyclohexane		0.973	0.977	0.918	0.926	0.927	0.944	3	
2-Butanone	0.260	0.270	0.275	0.275	0.276	0.286	0.274	3.1	
Carbon Tetrachloride	0.471	0.505	0.495	0.476	0.480	0.478	0.484	2.7	
cis-1,2-Dichloroethene	0.711	0.669	0.688	0.660	0.670	0.666	0.677	2.8	
Bromochloromethane	0.529	0.543	0.524	0.528	0.516	0.508	0.525	2.3	
Chloroform	1.150	1.106	1.112	1.048	1.052	1.050	1.087	3.9	
1,1,1-Trichloroethane	0.944	0.897	0.908	0.886	0.901	0.910	0.908	2.2	
Methylcyclohexane	0.539	0.588	0.589	0.567	0.578	0.576	0.573	3.2	
Benzene	1.391	1.445	1.452	1.356	1.342	1.324	1.385	3.9	
1,2-Dichloroethane	0.499	0.477	0.487	0.460	0.453	0.446	0.470	4.4	
Trichloroethene	0.386	0.377	0.365	0.344	0.347	0.344	0.361	5	
1,2-Dichloropropane	0.364	0.340	0.362	0.346	0.345	0.342	0.350	3	
Bromodichloromethane	0.538	0.508	0.535	0.510	0.508	0.507	0.518	2.9	
4-Methyl-2-Pentanone	0.330	0.340	0.368	0.366	0.353	0.357	0.353	4.3	
Toluene	0.855	0.894	0.906	0.841	0.831	0.823	0.858	3.9	

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG No.: Q2503
 Instrument ID: MSVOA_X Calibration Date(s): 07/02/2025 07/02/2025
 Heated Purge: (Y/N) N Calibration Time(s): 12:11 14:31
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX046860.D		RRF005 = VX046861.D		RRF020 = VX046862.D			
		RRF050 = VX046863.D		RRF100 = VX046864.D		RRF150 = VX046865.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.408	0.431	0.467	0.472	0.490	0.504	0.462	7.8	
cis-1,3-Dichloropropene	0.496	0.499	0.532	0.533	0.549	0.554	0.527	4.7	
1,1,2-Trichloroethane	0.325	0.329	0.328	0.318	0.310	0.308	0.320	2.8	
2-Hexanone	0.205	0.227	0.245	0.247	0.238	0.242	0.234	6.8	
Dibromochloromethane	0.383	0.390	0.393	0.377	0.376	0.377	0.383	1.9	
1,2-Dibromoethane	0.323	0.317	0.332	0.320	0.317	0.317	0.321	1.8	
Tetrachloroethene	0.353	0.346	0.345	0.315	0.320	0.318	0.333	5.1	
Chlorobenzene	1.111	1.117	1.113	1.049	1.051	1.045	1.081	3.3	
Ethyl Benzene	1.810	1.868	1.929	1.830	1.846	1.824	1.851	2.3	
m/p-Xylenes	0.702	0.710	0.731	0.688	0.683	0.672	0.698	3.1	
o-Xylene	0.676	0.677	0.703	0.665	0.663	0.660	0.674	2.4	
Styrene	1.070	1.152	1.228	1.175	1.157	1.134	1.153	4.5	
Bromoform	0.269	0.261	0.273	0.269	0.275	0.275	0.270	1.9	
Isopropylbenzene	3.267	3.428	3.611	3.601	3.592	3.590	3.515	4	
1,1,2,2-Tetrachloroethane	1.000	0.948	0.981	0.963	0.939	0.968	0.966	2.3	
1,3-Dichlorobenzene	1.615	1.664	1.673	1.627	1.625	1.619	1.637	1.5	
1,4-Dichlorobenzene	1.852	1.776	1.711	1.632	1.622	1.632	1.704	5.5	
1,2-Dichlorobenzene	1.626	1.592	1.625	1.568	1.560	1.550	1.587	2.1	
1,2-Dibromo-3-Chloropropane	0.158	0.151	0.164	0.171	0.178	0.192	0.169	8.7	
1,2,4-Trichlorobenzene	1.016	1.020	1.078	1.087	1.121	1.145	1.078	4.9	
1,2,3-Trichlorobenzene	0.900	0.965	1.033	1.045	1.069	1.099	1.019	7.2	
1,2-Dichloroethane-d4		0.722	0.652	0.647	0.641	0.640	0.661	5.3	
Dibromofluoromethane		0.355	0.346	0.339	0.332	0.325	0.339	3.5	
Toluene-d8		1.278	1.220	1.195	1.160	1.135	1.197	4.6	
4-Bromofluorobenzene		0.493	0.469	0.455	0.433	0.426	0.455	6	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X070225W.M
 Title : SW846 8260
 Last Update : Thu Jul 03 05:51:11 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX046860.D 5 =VX046861.D 20 =VX046862.D 50 =VX046863.D 100 =VX046864.D 150 =VX046865.D

Compound		1	5	20	50	100	150	Avg	%RSD

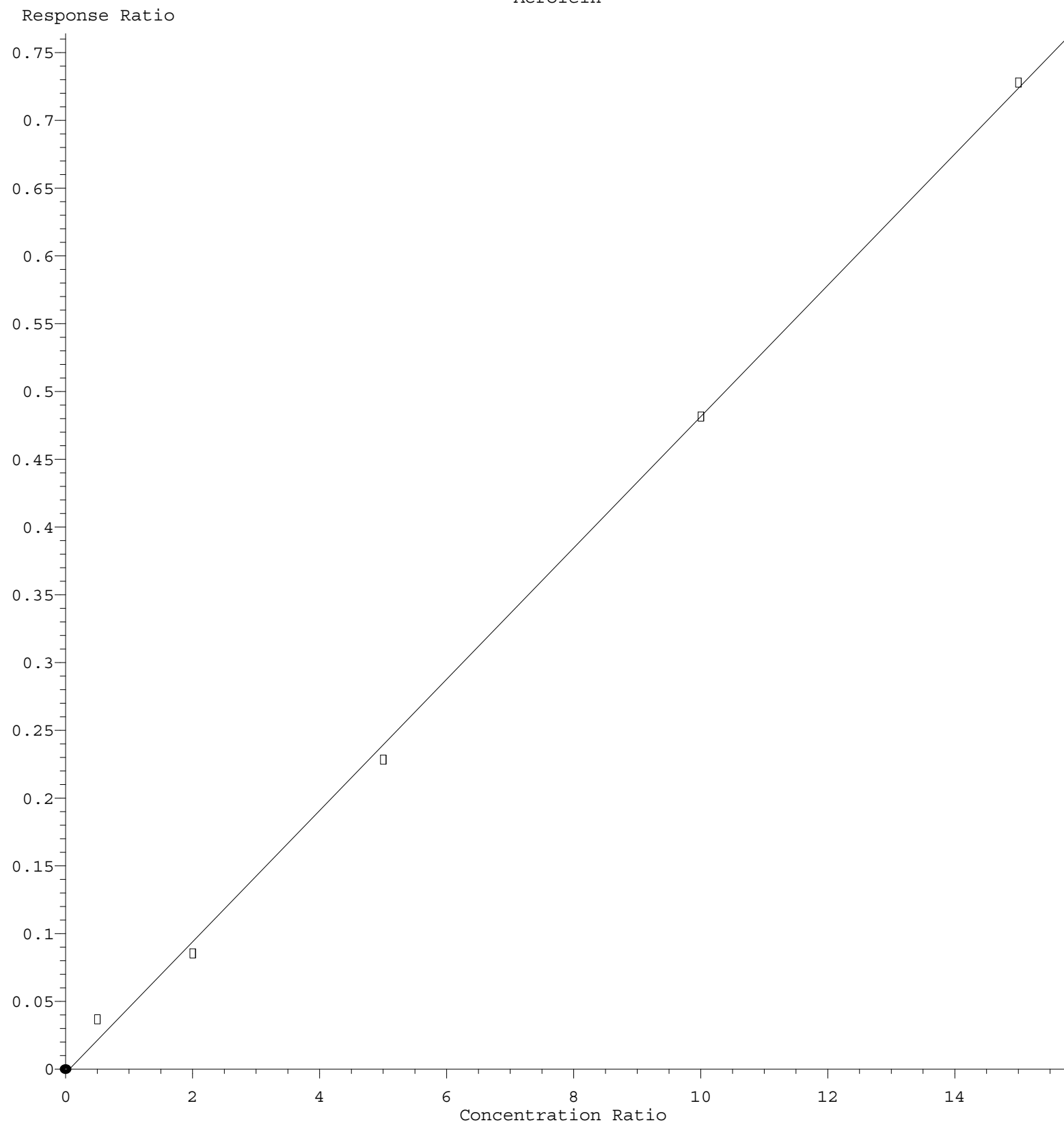
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.445	0.433	0.512	0.487	0.503	0.490	0.478	6.67
3) P	Chloromethane	0.505	0.507	0.541	0.508	0.543	0.530	0.522	3.38
4) C	Vinyl Chloride	0.568	0.549	0.591	0.550	0.589	0.566	0.569	3.19#
5) T	Bromomethane		0.402	0.402	0.360	0.369	0.295	0.366	12.04
6) T	Chloroethane	0.443	0.365	0.383	0.347	0.362	0.354	0.376	9.38
7) T	Trichlorofluor...	0.847	0.874	0.921	0.857	0.893	0.885	0.880	3.02
8) T	Diethyl Ether	0.315	0.308	0.316	0.304	0.317	0.317	0.313	1.78
9) T	1,1,2-Trichlor...	0.527	0.571	0.583	0.548	0.572	0.562	0.561	3.58
10) T	Methyl Iodide		0.465	0.581	0.631	0.681	0.696	0.611	15.27
11) T	Tert butyl alc...		0.044	0.042	0.042	0.043	0.045	0.043	3.54
12) CM	1,1-Dichloroet...	0.543	0.555	0.546	0.524	0.546	0.540	0.542	1.85#
13) T	Acrolein		0.074	0.043	0.046	0.048	0.049	0.052	24.05
14) T	Allyl chloride	0.975	0.939	0.963	0.943	0.988	0.983	0.965	2.12
15) T	Acrylonitrile	0.266	0.238	0.249	0.246	0.250	0.254	0.250	3.81
16) T	Acetone	0.236	0.210	0.195	0.193	0.197	0.200	0.205	7.90
17) T	Carbon Disulfide	1.585	1.425	1.405	1.342	1.398	1.376	1.422	5.98
18) T	Methyl Acetate	0.488	0.474	0.560	0.553	0.570	0.599	0.541	9.08
19) T	Methyl tert-bu...	1.447	1.470	1.540	1.528	1.587	1.615	1.531	4.25
20) T	Methylene Chlo...	0.623	0.625	0.624	0.585	0.596	0.588	0.607	3.14
21) T	trans-1,2-Dich...	0.552	0.564	0.575	0.541	0.551	0.545	0.555	2.31
22) T	Diisopropyl ether	1.666	1.831	1.967	1.905	1.927	1.893	1.865	5.75
23) T	Vinyl Acetate	1.255	1.341	1.423	1.423	1.465	1.475	1.397	6.02
24) P	1,1-Dichloroet...	1.080	1.084	1.074	1.039	1.055	1.050	1.064	1.71
25) T	2-Butanone	0.260	0.270	0.275	0.275	0.276	0.286	0.274	3.07
26) T	2,2-Dichloropr...	0.832	0.746	0.782	0.761	0.802	0.826	0.792	4.38
27) T	cis-1,2-Dichlo...	0.711	0.669	0.688	0.660	0.670	0.666	0.677	2.78
28) T	Bromochloromet...	0.529	0.543	0.524	0.528	0.516	0.508	0.525	2.29
29) T	Tetrahydrofuran	0.175	0.162	0.174	0.175	0.178	0.183	0.175	4.02
30) C	Chloroform	1.150	1.106	1.112	1.048	1.052	1.050	1.087	3.93#
31) T	Cyclohexane		0.973	0.977	0.918	0.926	0.927	0.944	3.00
32) T	1,1,1-Trichlor...	0.944	0.897	0.908	0.886	0.901	0.910	0.908	2.17
33) S	1,2-Dichloroet...		0.722	0.652	0.647	0.641	0.640	0.661	5.29
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.355	0.346	0.339	0.332	0.325	0.339	3.47
36) T	1,1-Dichloropr...	0.499	0.477	0.461	0.439	0.434	0.437	0.458	5.71
37) T	Ethyl Acetate	0.506	0.376	0.371	0.360	0.355	0.373	0.390	14.73
38) T	Carbon Tetrach...	0.471	0.505	0.495	0.476	0.480	0.478	0.484	2.73
39) T	Methylcyclohexane	0.539	0.588	0.589	0.567	0.578	0.576	0.573	3.20
40) TM	Benzene	1.391	1.445	1.452	1.356	1.342	1.324	1.385	3.88
41) T	Methacrylonitrile	0.175	0.196	0.222	0.213	0.221	0.222	0.208	9.12
42) TM	1,2-Dichloroet...	0.499	0.477	0.487	0.460	0.453	0.446	0.470	4.39
43) T	Isopropyl Acetate	0.508	0.562	0.613	0.618	0.630	0.652	0.597	8.82
44) TM	Trichloroethene	0.386	0.377	0.365	0.344	0.347	0.344	0.361	5.02
45) C	1,2-Dichloropr...	0.364	0.340	0.362	0.346	0.345	0.342	0.350	3.03#
46) T	Dibromomethane	0.247	0.246	0.250	0.240	0.236	0.237	0.242	2.35
47) T	Bromodichlorom...	0.538	0.508	0.535	0.510	0.508	0.507	0.518	2.87
48) T	Methyl methacr...	0.257	0.294	0.307	0.322	0.329	0.343	0.308	9.89
49) T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004	0.004	2.38
50) S	Toluene-d8		1.278	1.220	1.195	1.160	1.135	1.197	4.60
51) T	4-Methyl-2-Pen...	0.330	0.340	0.368	0.366	0.353	0.357	0.353	4.26
52) CM	Toluene	0.855	0.894	0.906	0.841	0.831	0.823	0.858	3.95#
53) T	t-1,3-Dichloro...	0.408	0.431	0.467	0.472	0.490	0.504	0.462	7.81
54) T	cis-1,3-Dichlo...	0.496	0.499	0.532	0.533	0.549	0.554	0.527	4.71
55) T	1,1,2-Trichlor...	0.325	0.329	0.328	0.318	0.310	0.308	0.320	2.82
56) T	Ethyl methacry...	0.390	0.409	0.447	0.459	0.468	0.482	0.442	8.13

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X070225W.M

57)	T	1,3-Dichloropr...	0.567	0.567	0.572	0.541	0.528	0.527	0.550	3.76
58)	T	2-Chloroethyl ...	0.217	0.235	0.258	0.267	0.260	0.259	0.249	7.69
59)	T	2-Hexanone	0.205	0.227	0.245	0.247	0.238	0.242	0.234	6.83
60)	T	Dibromochlorom...	0.383	0.390	0.393	0.377	0.376	0.377	0.383	1.94
61)	T	1,2-Dibromoethane	0.323	0.317	0.332	0.320	0.317	0.317	0.321	1.82
62)	S	4-Bromofluorob...		0.493	0.469	0.455	0.433	0.426	0.455	5.97
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.353	0.346	0.345	0.315	0.320	0.318	0.333	5.13
65)	PM	Chlorobenzene	1.111	1.117	1.113	1.049	1.051	1.045	1.081	3.32
66)	T	1,1,1,2-Tetrac...	0.366	0.347	0.377	0.359	0.366	0.367	0.363	2.75
67)	C	Ethyl Benzene	1.810	1.868	1.929	1.830	1.846	1.824	1.851	2.32#
68)	T	m/p-Xylenes	0.702	0.710	0.731	0.688	0.683	0.672	0.698	3.05
69)	T	o-Xylene	0.676	0.677	0.703	0.665	0.663	0.660	0.674	2.36
70)	T	Styrene	1.070	1.152	1.228	1.175	1.157	1.134	1.153	4.50
71)	P	Bromoform	0.269	0.261	0.273	0.269	0.275	0.275	0.270	1.94
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.267	3.428	3.611	3.601	3.592	3.590	3.515	3.97
74)	T	N-amyl acetate	0.953	1.079	1.194	1.270	1.303	1.367	1.194	12.93
75)	P	1,1,2,2-Tetrac...	1.000	0.948	0.981	0.963	0.939	0.968	0.966	2.26
76)	T	1,2,3-Trichlor...	0.781	0.720	0.770	0.787	0.791	0.787	0.773	3.46
77)	T	Bromobenzene	0.868	0.890	0.876	0.876	0.870	0.872	0.875	0.89
78)	T	n-propylbenzene	4.048	4.223	4.362	4.293	4.271	4.233	4.238	2.50
79)	T	2-Chlorotoluene	2.441	2.523	2.596	2.482	2.498	2.474	2.503	2.13
80)	T	1,3,5-Trimethy...	2.574	2.780	3.014	2.924	2.947	2.896	2.856	5.54
81)	T	trans-1,4-Dich...		0.236	0.267	0.292	0.312	0.333	0.288	13.09
82)	T	4-Chlorotoluene	2.755	2.916	2.982	2.915	2.899	2.859	2.888	2.64
83)	T	tert-Butylbenzene	2.733	2.876	3.036	3.020	3.031	3.002	2.950	4.13
84)	T	1,2,4-Trimethy...	2.615	2.872	3.017	2.949	2.930	2.937	2.887	4.88
85)	T	sec-Butylbenzene	3.475	3.721	3.852	3.782	3.766	3.719	3.719	3.47
86)	T	p-Isopropyltol...	2.948	3.159	3.181	3.162	3.160	3.077	3.114	2.87
87)	T	1,3-Dichlorobe...	1.615	1.664	1.673	1.627	1.625	1.619	1.637	1.50
88)	T	1,4-Dichlorobe...	1.852	1.776	1.711	1.632	1.622	1.632	1.704	5.52
89)	T	n-Butylbenzene	2.747	2.891	3.036	2.987	2.983	2.914	2.926	3.51
90)	T	Hexachloroethane	0.530	0.523	0.537	0.554	0.581	0.589	0.552	4.95
91)	T	1,2-Dichlorobe...	1.626	1.592	1.625	1.568	1.560	1.550	1.587	2.07
92)	T	1,2-Dibromo-3-...	0.158	0.151	0.164	0.171	0.178	0.192	0.169	8.69
93)	T	1,2,4-Trichlor...	1.016	1.020	1.078	1.087	1.121	1.145	1.078	4.86
94)	T	Hexachlorobuta...	0.393	0.397	0.421	0.409	0.408	0.411	0.407	2.52
95)	T	Naphthalene	2.210	2.537	2.893	3.034	3.096	3.273	2.840	13.92
96)	T	1,2,3-Trichlor...	0.900	0.965	1.033	1.045	1.069	1.099	1.019	7.20

(#) = Out of Range

Acrolein



Response = $4.842 \times 10^{-2} \times \text{Amt} - 2.745 \times 10^{-3}$
 Coef of Det (r^2) = 0.998662 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X070225W.M
 Calibration Table Last Updated: Thu Jul 03 05:51:11 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046860.D
 Acq On : 02 Jul 2025 12:11
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:29:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	372069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	622566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	571866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	290571	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	78 - 117	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	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	3309	0.930	ug/l	89
3) Chloromethane	1.307	50	3761	0.967	ug/l	89
4) Vinyl Chloride	1.386	62	4227	0.998	ug/l	99
6) Chloroethane	1.703	64	3296	1.179	ug/l	94
7) Trichlorofluoromethane	1.910	101	6304	0.963	ug/l	88
8) Diethyl Ether	2.148	74	2346	1.007	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	3923	0.940	ug/l	93
12) 1,1-Dichloroethene	2.337	96	4037	1.001	ug/l	90
14) Allyl chloride	2.678	41	7259	1.011	ug/l	96
15) Acrylonitrile	3.081	53	9914m	5.298	ug/l	
16) Acetone	2.386	43	8778	5.749	ug/l	89
17) Carbon Disulfide	2.532	76	11797	1.115	ug/l #	88
18) Methyl Acetate	2.715	43	3632	0.903	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	10768	0.945	ug/l	96
20) Methylene Chloride	2.800	84	4636	1.027	ug/l #	91
21) trans-1,2-Dichloroethene	3.111	96	4109	0.995	ug/l	92
22) Diisopropyl ether	3.776	45	12396	0.893	ug/l #	56
23) Vinyl Acetate	3.739	43	46702	4.492	ug/l	97
24) 1,1-Dichloroethane	3.623	63	8033	1.015	ug/l	98
25) 2-Butanone	4.599	43	9681m	4.752	ug/l	
26) 2,2-Dichloropropane	4.483	77	6192	1.051	ug/l	93
27) cis-1,2-Dichloroethene	4.501	96	5289	1.049	ug/l	98
28) Bromochloromethane	4.910	49	3938	1.008	ug/l #	95
29) Tetrahydrofuran	5.025	42	6512	5.015	ug/l #	62
30) Chloroform	5.111	83	8561	1.059	ug/l #	80
32) 1,1,1-Trichloroethane	5.391	97	7025	1.040	ug/l #	49
36) 1,1-Dichloropropene	5.702	75	6211	1.089	ug/l	91
37) Ethyl Acetate	4.763	43	6302m	1.298	ug/l	
38) Carbon Tetrachloride	5.690	117	5859m	0.959	ug/l	
39) Methylcyclohexane	7.385	83	6714	0.941	ug/l	86
40) Benzene	6.050	78	17315	1.004	ug/l #	87
41) Methacrylonitrile	4.958	41	2181m	0.842	ug/l	
42) 1,2-Dichloroethane	6.104	62	6218	1.062	ug/l	88
43) Isopropyl Acetate	6.354	43	6331	0.851	ug/l #	79
44) Trichloroethene	7.135	130	4807	1.071	ug/l	94
45) 1,2-Dichloropropane	7.446	63	4536	1.041	ug/l #	77

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046860.D
 Acq On : 02 Jul 2025 12:11
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:29:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	3072	1.018	ug/l	96
47) Bromodichloromethane	7.830	83	6705	1.040	ug/l	91
48) Methyl methacrylate	7.714	41	3198	0.833	ug/l #	54
49) 1,4-Dioxane	7.683	88	860m	19.325	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	20561	4.684	ug/l	97
52) Toluene	8.726	92	10648	0.996	ug/l	96
53) t-1,3-Dichloropropene	8.994	75	5080	0.883	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	6171	0.940	ug/l #	47
55) 1,1,2-Trichloroethane	9.159	97	4046	1.016	ug/l #	84
56) Ethyl methacrylate	9.122	69	4850	0.880	ug/l	95
57) 1,3-Dichloropropane	9.311	76	7057	1.030	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.250	63	13509	4.352	ug/l	100
59) 2-Hexanone	9.439	43	12742	4.376	ug/l	94
60) Dibromochloromethane	9.519	129	4772	1.002	ug/l	95
61) 1,2-Dibromoethane	9.610	107	4026	1.007	ug/l	100
64) Tetrachloroethene	9.275	164	4039	1.061	ug/l #	86
65) Chlorobenzene	10.079	112	12712	1.028	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	4188	1.008	ug/l #	65
67) Ethyl Benzene	10.195	91	20707	0.978	ug/l	96
68) m/p-Xylenes	10.305	106	16047	2.011	ug/l	91
69) o-Xylene	10.640	106	7726	1.002	ug/l	95
70) Styrene	10.659	104	12236	0.928	ug/l	98
71) Bromoform	10.805	173	3071	0.994	ug/l #	97
73) Isopropylbenzene	10.963	105	18985	0.929	ug/l	100
74) N-amyl acetate	10.848	43	5537	0.798	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	5809	1.034	ug/l	94
76) 1,2,3-Trichloropropane	11.238	75	4536m	1.010	ug/l	
77) Bromobenzene	11.201	156	5045	0.992	ug/l	96
78) n-propylbenzene	11.305	91	23522	0.955	ug/l	98
79) 2-Chlorotoluene	11.366	91	14185	0.975	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	14958	0.901	ug/l	100
82) 4-Chlorotoluene	11.457	91	16012	0.954	ug/l	97
83) tert-Butylbenzene	11.713	119	15883	0.927	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	15197	0.906	ug/l	96
85) sec-Butylbenzene	11.890	105	20193	0.934	ug/l	99
86) p-Isopropyltoluene	12.006	119	17131	0.946	ug/l	93
87) 1,3-Dichlorobenzene	11.969	146	9388	0.987	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	10764m	1.087	ug/l	
89) n-Butylbenzene	12.335	91	15963	0.939	ug/l	99
90) Hexachloroethane	12.536	117	3079	0.960	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	9448	1.025	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	920	0.937	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	5904	0.942	ug/l	98
94) Hexachlorobutadiene	13.725	225	2281	0.966	ug/l	87
95) Naphthalene	13.780	128	12846	0.778	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	5231	0.884	ug/l	95

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

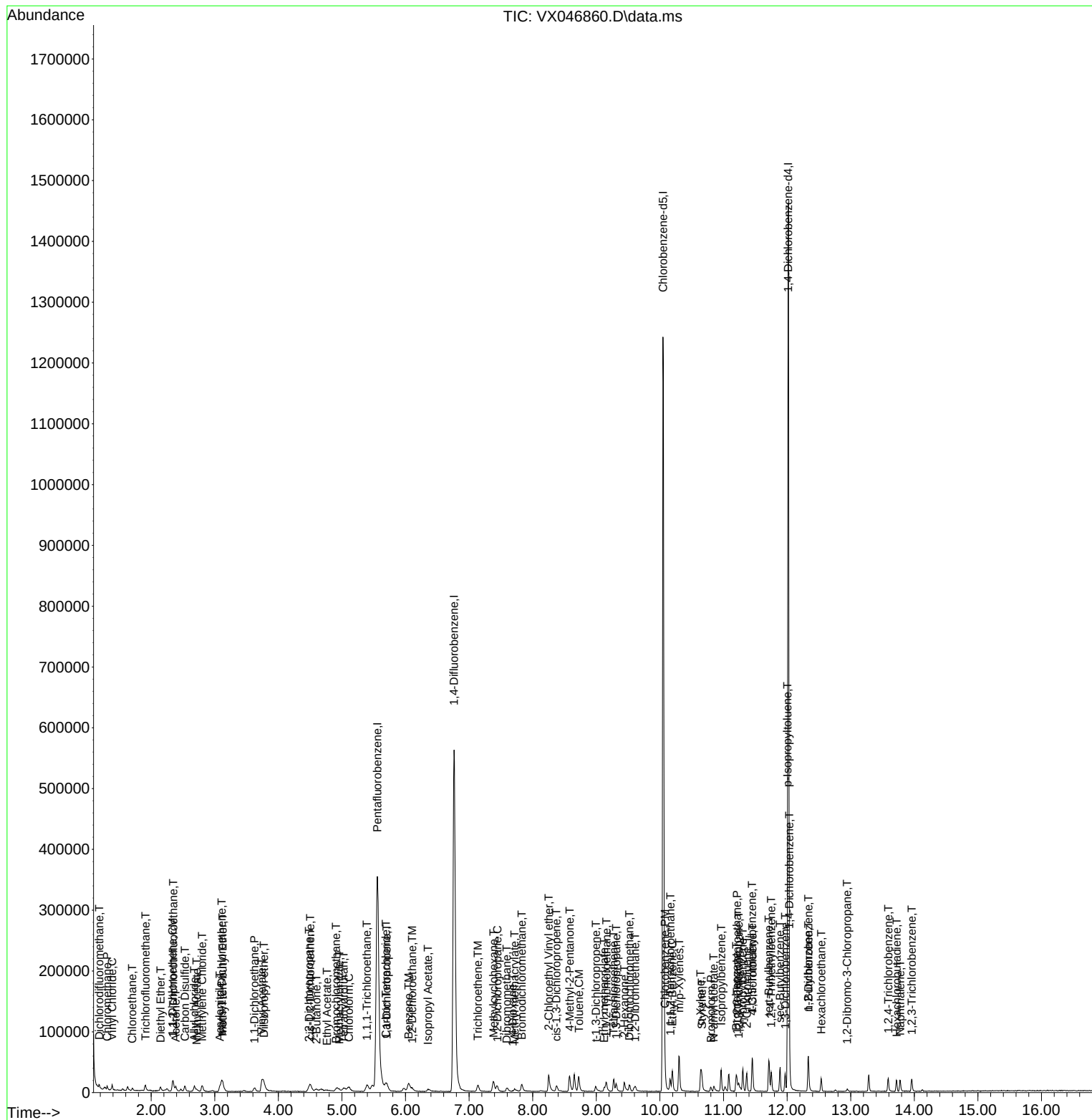
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046860.D
Acq On : 02 Jul 2025 12:11
Operator : JC/MD
Sample : VSTDIC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC001

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:29:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046861.D
 Acq On : 02 Jul 2025 12:37
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:30:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	396691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	652365	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	592225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	309407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	28658	5.468	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.940%#		
35) Dibromofluoromethane	5.397	113	23179	5.234	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.460%#		
50) Toluene-d8	8.647	98	83349	5.335	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.079	95	32156	5.415	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.840%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.178	85	17184	4.530	ug/l	99
3) Chloromethane	1.306	50	20130	4.857	ug/l	95
4) Vinyl Chloride	1.386	62	21789	4.827	ug/l	99
5) Bromomethane	1.623	94	15966	5.505	ug/l	93
6) Chloroethane	1.703	64	14497	4.864	ug/l	97
7) Trichlorofluoromethane	1.904	101	34689	4.970	ug/l	98
8) Diethyl Ether	2.148	74	12204	4.914	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	22655	5.094	ug/l	98
10) Methyl Iodide	2.465	142	18441	3.806	ug/l	95
11) Tert butyl alcohol	2.952	59	8771	25.519	ug/l	100
12) 1,1-Dichloroethene	2.337	96	22008	5.116	ug/l	100
13) Acrolein	2.245	56	14598	40.835	ug/l	98
14) Allyl chloride	2.678	41	37266	4.866	ug/l	95
15) Acrylonitrile	3.074	53	47130	23.621	ug/l	100
16) Acetone	2.385	43	41693	25.612	ug/l	94
17) Carbon Disulfide	2.526	76	56543	5.012	ug/l	98
18) Methyl Acetate	2.715	43	18796	4.381	ug/l	92
19) Methyl tert-butyl Ether	3.123	73	58304	4.800	ug/l	96
20) Methylene Chloride	2.800	84	24790	5.150	ug/l	92
21) trans-1,2-Dichloroethene	3.105	96	22385	5.086	ug/l	98
22) Diisopropyl ether	3.763	45	72646	4.910	ug/l #	74
23) Vinyl Acetate	3.733	43	265941	23.992	ug/l	97
24) 1,1-Dichloroethane	3.617	63	42994	5.095	ug/l	97
25) 2-Butanone	4.568	43	53597	24.678	ug/l	99
26) 2,2-Dichloropropane	4.483	77	29599	4.713	ug/l	79
27) cis-1,2-Dichloroethene	4.501	96	26549	4.940	ug/l	96
28) Bromochloromethane	4.915	49	21555	5.176	ug/l	94
29) Tetrahydrofuran	5.019	42	32120	23.200	ug/l	98
30) Chloroform	5.098	83	43886	5.091	ug/l	99
31) Cyclohexane	5.482	56	38601	5.153	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	35598	4.943	ug/l	95
36) 1,1-Dichloropropene	5.702	75	31138	5.212	ug/l	98
37) Ethyl Acetate	4.733	43	24519	4.818	ug/l #	92
38) Carbon Tetrachloride	5.690	117	32963	5.151	ug/l	93
39) Methylcyclohexane	7.385	83	38332	5.129	ug/l	99
40) Benzene	6.043	78	94260	5.216	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046861.D
 Acq On : 02 Jul 2025 12:37
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:30:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	12777	4.707	ug/l #	94
42) 1,2-Dichloroethane	6.092	62	31102	5.068	ug/l	98
43) Isopropyl Acetate	6.348	43	36681	4.706	ug/l	98
44) Trichloroethene	7.128	130	24587	5.227	ug/l	98
45) 1,2-Dichloropropane	7.433	63	22205	4.863	ug/l	91
46) Dibromomethane	7.586	93	16018	5.063	ug/l	99
47) Bromodichloromethane	7.824	83	33143	4.907	ug/l	99
48) Methyl methacrylate	7.702	41	19166	4.762	ug/l	98
49) 1,4-Dioxane	7.671	88	4647	99.650	ug/l #	90
51) 4-Methyl-2-Pentanone	8.573	43	110844	24.096	ug/l	100
52) Toluene	8.720	92	58295	5.206	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	28142	4.668	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	32562	4.732	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	21431	5.138	ug/l	96
56) Ethyl methacrylate	9.122	69	26665	4.619	ug/l	97
57) 1,3-Dichloropropane	9.311	76	37000	5.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	76711	23.583	ug/l	99
59) 2-Hexanone	9.433	43	73995	24.251	ug/l	94
60) Dibromochloromethane	9.518	129	25465	5.101	ug/l	96
61) 1,2-Dibromoethane	9.610	107	20695	4.940	ug/l	98
64) Tetrachloroethene	9.274	164	20514	5.203	ug/l	97
65) Chlorobenzene	10.079	112	66148	5.166	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	20533	4.770	ug/l	94
67) Ethyl Benzene	10.195	91	110637	5.046	ug/l	97
68) m/p-Xylenes	10.299	106	84083	10.176	ug/l	100
69) o-Xylene	10.640	106	40078	5.021	ug/l	99
70) Styrene	10.652	104	68250	4.998	ug/l	99
71) Bromoform	10.799	173	15461	4.831	ug/l #	99
73) Isopropylbenzene	10.963	105	106065	4.876	ug/l	98
74) N-amyl acetate	10.841	43	33387	4.517	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	29333	4.905	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	22279m	4.660	ug/l	
77) Bromobenzene	11.195	156	27534	5.082	ug/l	95
78) n-propylbenzene	11.298	91	130658	4.982	ug/l	97
79) 2-Chlorotoluene	11.359	91	78075	5.042	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	86020	4.867	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7304	4.100	ug/l #	81
82) 4-Chlorotoluene	11.451	91	90236	5.049	ug/l	100
83) tert-Butylbenzene	11.713	119	88998	4.876	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	88868	4.975	ug/l	95
85) sec-Butylbenzene	11.890	105	115141	5.003	ug/l	100
86) p-Isopropyltoluene	12.006	119	97742	5.072	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	51500	5.083	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	54943	5.210	ug/l	95
89) n-Butylbenzene	12.329	91	89435	4.939	ug/l	97
90) Hexachloroethane	12.536	117	16170	4.733	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	49253	5.016	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	4675	4.469	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	31558	4.731	ug/l	100
94) Hexachlorobutadiene	13.719	225	12292	4.886	ug/l	97
95) Naphthalene	13.774	128	78483	4.465	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	29854	4.737	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046861.D
Acq On : 02 Jul 2025 12:37
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

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

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

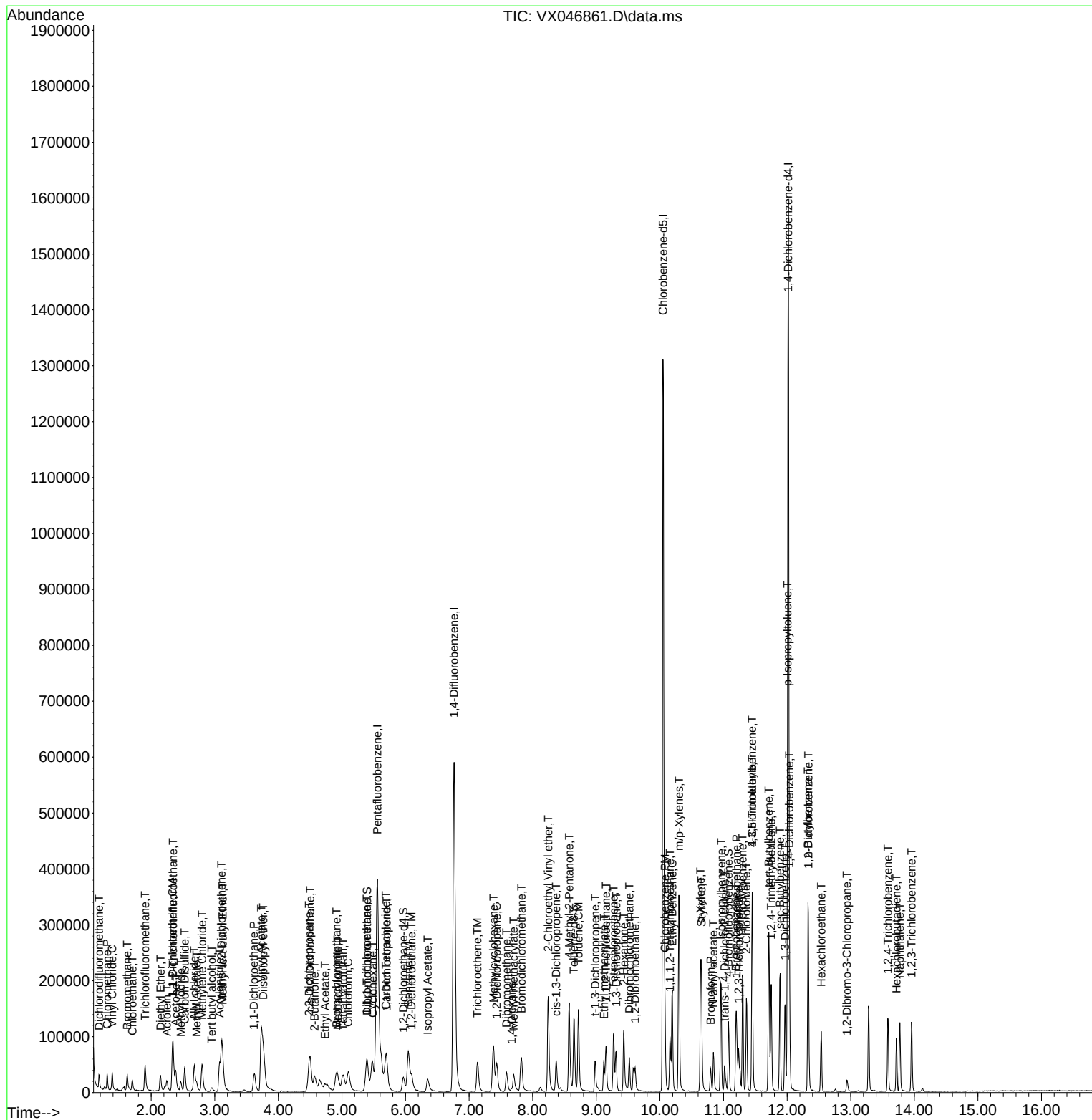
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Data File : VX046861.D
Acq On : 02 Jul 2025 12:37
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:30:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046862.D
 Acq On : 02 Jul 2025 13:18
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:31:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	399111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	642908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	576289	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	296482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	104091	19.742	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	39.480%#		
35) Dibromofluoromethane	5.391	113	88863	20.362	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.720%#		
50) Toluene-d8	8.647	98	313624	20.369	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	40.740%#		
62) 4-Bromofluorobenzene	11.079	95	120554	20.601	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	41.200%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.184	85	81688	21.402	ug/l	99
3) Chloromethane	1.306	50	86312	20.697	ug/l	97
4) Vinyl Chloride	1.386	62	94339	20.773	ug/l	100
5) Bromomethane	1.629	94	64159	21.988	ug/l	97
6) Chloroethane	1.703	64	61209	20.412	ug/l	100
7) Trichlorofluoromethane	1.904	101	147045	20.941	ug/l	98
8) Diethyl Ether	2.142	74	50485	20.203	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	93041	20.794	ug/l	98
10) Methyl Iodide	2.465	142	92753	19.028	ug/l	100
11) Tert butyl alcohol	2.952	59	33170	95.921	ug/l	99
12) 1,1-Dichloroethene	2.337	96	87106	20.127	ug/l	99
13) Acrolein	2.245	56	34095	91.049	ug/l	97
14) Allyl chloride	2.678	41	153719	19.950	ug/l	99
15) Acrylonitrile	3.068	53	198794	99.028	ug/l	99
16) Acetone	2.379	43	155869	95.170	ug/l	98
17) Carbon Disulfide	2.526	76	224317	19.764	ug/l	98
18) Methyl Acetate	2.709	43	89471	20.726	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	245776	20.110	ug/l	100
20) Methylene Chloride	2.800	84	99547	20.555	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	91856	20.742	ug/l	94
22) Diisopropyl ether	3.763	45	314003	21.094	ug/l	94
23) Vinyl Acetate	3.727	43	1136064	101.868	ug/l	100
24) 1,1-Dichloroethane	3.617	63	171529	20.204	ug/l	100
25) 2-Butanone	4.556	43	219759	100.571	ug/l	99
26) 2,2-Dichloropropane	4.483	77	124894	19.767	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	109844	20.316	ug/l	99
28) Bromochloromethane	4.903	49	83733	19.985	ug/l	97
29) Tetrahydrofuran	5.001	42	138587	99.493	ug/l	99
30) Chloroform	5.098	83	177543	20.470	ug/l	97
31) Cyclohexane	5.470	56	155952	20.692	ug/l	93
32) 1,1,1-Trichloroethane	5.391	97	144962	20.005	ug/l	98
36) 1,1-Dichloropropene	5.702	75	118611	20.144	ug/l	97
37) Ethyl Acetate	4.720	43	95352	19.013	ug/l	99
38) Carbon Tetrachloride	5.684	117	127307	20.188	ug/l	97
39) Methylcyclohexane	7.378	83	151595	20.582	ug/l	96
40) Benzene	6.043	78	373429	20.968	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046862.D
 Acq On : 02 Jul 2025 13:18
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:31:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	57138	21.358	ug/l	95
42) 1,2-Dichloroethane	6.086	62	125114	20.689	ug/l	99
43) Isopropyl Acetate	6.336	43	157613	20.519	ug/l	100
44) Trichloroethene	7.128	130	93746	20.221	ug/l	100
45) 1,2-Dichloropropane	7.427	63	93205	20.714	ug/l	99
46) Dibromomethane	7.580	93	64260	20.612	ug/l	100
47) Bromodichloromethane	7.817	83	137600	20.670	ug/l	98
48) Methyl methacrylate	7.695	41	78897	19.892	ug/l	97
49) 1,4-Dioxane	7.659	88	18907	411.405	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	473773	104.508	ug/l	99
52) Toluene	8.714	92	232882	21.102	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	120040	20.206	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	136889	20.187	ug/l	98
55) 1,1,2-Trichloroethane	9.146	97	84451	20.545	ug/l	97
56) Ethyl methacrylate	9.116	69	114929	20.200	ug/l	99
57) 1,3-Dichloropropane	9.305	76	147193	20.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	331143	103.298	ug/l	100
59) 2-Hexanone	9.427	43	314535	104.602	ug/l	99
60) Dibromochloromethane	9.518	129	100960	20.523	ug/l	100
61) 1,2-Dibromoethane	9.610	107	85342	20.672	ug/l	100
64) Tetrachloroethene	9.268	164	79577	20.740	ug/l	96
65) Chlorobenzene	10.073	112	256491	20.586	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	86804	20.724	ug/l	99
67) Ethyl Benzene	10.189	91	444690	20.841	ug/l	99
68) m/p-Xylenes	10.299	106	337082	41.924	ug/l	98
69) o-Xylene	10.640	106	162094	20.870	ug/l	99
70) Styrene	10.652	104	283121	21.307	ug/l	100
71) Bromoform	10.799	173	62957	20.215	ug/l #	98
73) Isopropylbenzene	10.957	105	428283	20.549	ug/l	100
74) N-amyl acetate	10.841	43	141581	19.991	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	116329	20.298	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	91349m	19.941	ug/l	
77) Bromobenzene	11.195	156	103902	20.014	ug/l	96
78) n-propylbenzene	11.298	91	517332	20.585	ug/l	100
79) 2-Chlorotoluene	11.359	91	307886	20.748	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	357455	21.108	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	31721	18.582	ug/l	94
82) 4-Chlorotoluene	11.451	91	353678	20.654	ug/l	99
83) tert-Butylbenzene	11.713	119	360024	20.583	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	357753	20.900	ug/l	95
85) sec-Butylbenzene	11.890	105	456837	20.715	ug/l	100
86) p-Isopropyltoluene	12.006	119	377192	20.425	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	198351	20.429	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	202881	20.078	ug/l	99
89) n-Butylbenzene	12.329	91	360061	20.750	ug/l	99
90) Hexachloroethane	12.536	117	63705	19.459	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	192682	20.479	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	19455	19.409	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	127830	19.999	ug/l	99
94) Hexachlorobutadiene	13.725	225	49928	20.713	ug/l	99
95) Naphthalene	13.774	128	343123	20.372	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	122506	20.284	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046862.D
Acq On : 02 Jul 2025 13:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:31:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

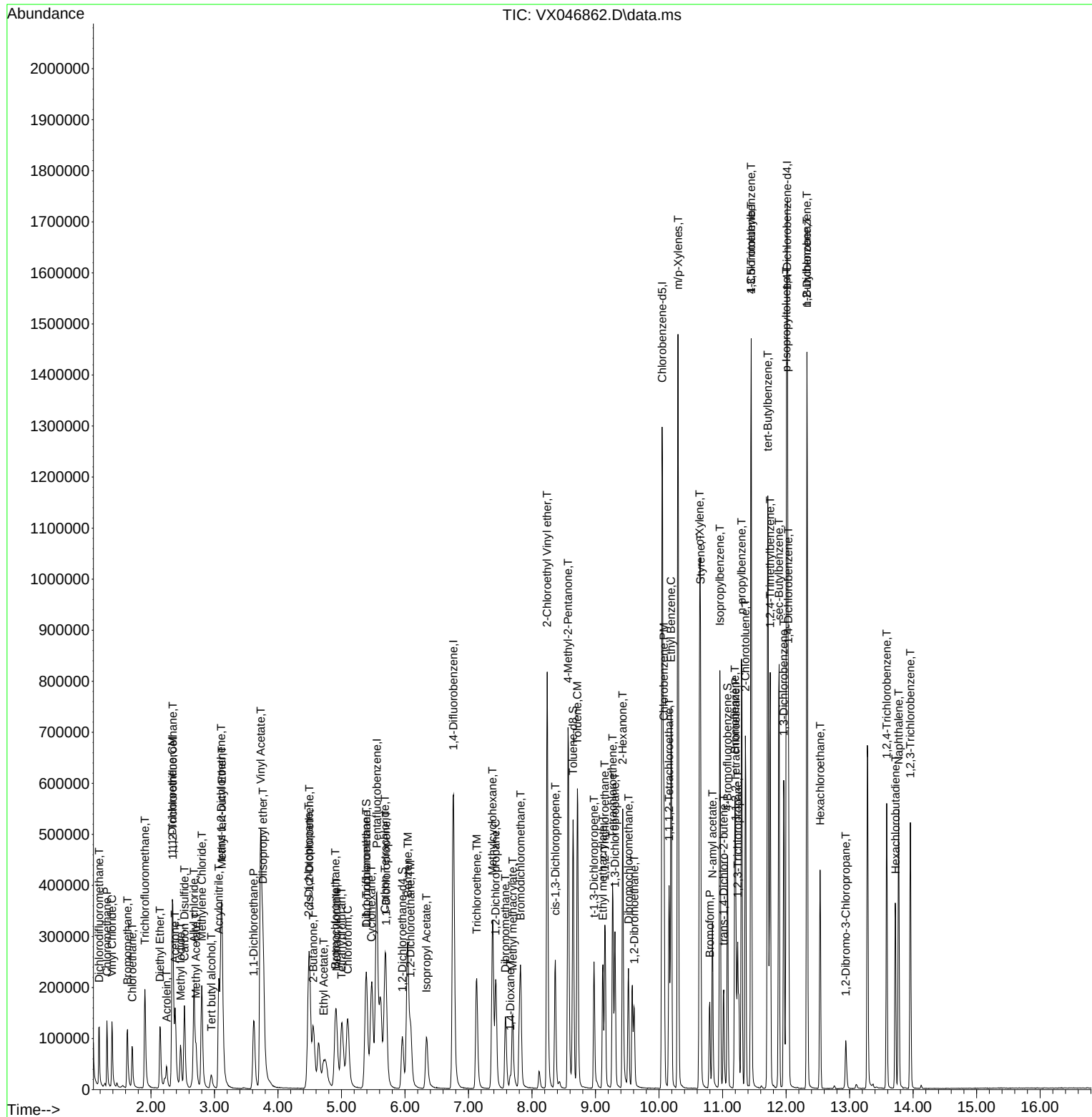
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046863.D
 Acq On : 02 Jul 2025 13:39
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:32:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	368182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	601240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	539902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	266829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	238206	48.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.940%		
35) Dibromofluoromethane	5.397	113	203814	49.939	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.880%		
50) Toluene-d8	8.647	98	718232	49.879	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.760%		
62) 4-Bromofluorobenzene	11.079	95	273366	49.952	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	179160	50.881	ug/l	100
3) Chloromethane	1.307	50	186908	48.585	ug/l	100
4) Vinyl Chloride	1.386	62	202462	48.327	ug/l	100
5) Bromomethane	1.624	94	132366	49.174	ug/l	100
6) Chloroethane	1.703	64	127577	46.118	ug/l	100
7) Trichlorofluoromethane	1.904	101	315495	48.704	ug/l	100
8) Diethyl Ether	2.148	74	112089	48.624	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	201760	48.880	ug/l	100
10) Methyl Iodide	2.471	142	232179	51.631	ug/l	100
11) Tert butyl alcohol	2.953	59	77545	243.081	ug/l	100
12) 1,1-Dichloroethene	2.337	96	193069	48.359	ug/l	100
13) Acrolein	2.246	56	84088	238.671	ug/l	100
14) Allyl chloride	2.678	41	347253	48.854	ug/l	100
15) Acrylonitrile	3.075	53	453047	244.641	ug/l	100
16) Acetone	2.386	43	355803	235.495	ug/l	100
17) Carbon Disulfide	2.532	76	494153	47.196	ug/l	100
18) Methyl Acetate	2.715	43	203643	51.137	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	562569	49.898	ug/l	100
20) Methylene Chloride	2.800	84	215411	48.215	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	199150	48.748	ug/l	100
22) Diisopropyl ether	3.770	45	701332	51.071	ug/l	100
23) Vinyl Acetate	3.733	43	2620249	254.689	ug/l	100
24) 1,1-Dichloroethane	3.623	63	382510	48.841	ug/l	100
25) 2-Butanone	4.562	43	506469	251.252	ug/l	100
26) 2,2-Dichloropropane	4.489	77	280159	48.066	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	243080	48.734	ug/l	100
28) Bromochloromethane	4.910	49	194431	50.303	ug/l	100
29) Tetrahydrofuran	5.007	42	322800	251.209	ug/l	100
30) Chloroform	5.105	83	386035	48.247	ug/l	100
31) Cyclohexane	5.483	56	337894	48.598	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	326288	48.811	ug/l	100
36) 1,1-Dichloropropene	5.702	75	264243	47.988	ug/l	100
37) Ethyl Acetate	4.721	43	216259	46.111	ug/l	100
38) Carbon Tetrachloride	5.690	117	286310	48.549	ug/l	100
39) Methylcyclohexane	7.385	83	341159	49.529	ug/l	100
40) Benzene	6.050	78	815341	48.954	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046863.D
 Acq On : 02 Jul 2025 13:39
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:32:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	127915	51.128	ug/l	100
42) 1,2-Dichloroethane	6.092	62	276628	48.913	ug/l	100
43) Isopropyl Acetate	6.342	43	371859	51.765	ug/l	100
44) Trichloroethene	7.129	130	206841	47.708	ug/l	100
45) 1,2-Dichloropropane	7.434	63	207864	49.398	ug/l	100
46) Dibromomethane	7.586	93	144114	49.430	ug/l	100
47) Bromodichloromethane	7.824	83	306696	49.265	ug/l	100
48) Methyl methacrylate	7.696	41	193493	52.165	ug/l	100
49) 1,4-Dioxane	7.659	88	43664	1015.947	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	1101634	259.847	ug/l	100
52) Toluene	8.720	92	505397	48.969	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	284038	51.124	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	320678	50.567	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	191073	49.704	ug/l	100
56) Ethyl methacrylate	9.116	69	276170	51.905	ug/l	100
57) 1,3-Dichloropropane	9.305	76	325345	49.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	802354	267.636	ug/l	100
59) 2-Hexanone	9.427	43	742855	264.164	ug/l	100
60) Dibromochloromethane	9.519	129	226427	49.218	ug/l	100
61) 1,2-Dibromoethane	9.610	107	192320	49.814	ug/l	100
64) Tetrachloroethene	9.275	164	170176	47.341	ug/l	100
65) Chlorobenzene	10.079	112	566582	48.538	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	193638	49.347	ug/l	100
67) Ethyl Benzene	10.189	91	987806	49.415	ug/l	100
68) m/p-Xylenes	10.299	106	743275	98.674	ug/l	100
69) o-Xylene	10.640	106	358798	49.311	ug/l	100
70) Styrene	10.653	104	634597	50.976	ug/l	100
71) Bromoform	10.799	173	145282	49.794	ug/l #	100
73) Isopropylbenzene	10.957	105	960979	51.232	ug/l	100
74) N-amyl acetate	10.842	43	338897	53.169	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	256928	49.814	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	210006m	50.937	ug/l	
77) Bromobenzene	11.195	156	233851	50.052	ug/l	100
78) n-propylbenzene	11.299	91	1145518	50.647	ug/l	100
79) 2-Chlorotoluene	11.360	91	662335	49.595	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	780315	51.198	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	77831	50.659	ug/l	100
82) 4-Chlorotoluene	11.451	91	777681	50.461	ug/l	100
83) tert-Butylbenzene	11.713	119	805925	51.197	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	786934	51.082	ug/l	100
85) sec-Butylbenzene	11.884	105	1009027	50.840	ug/l	100
86) p-Isopropyltoluene	12.006	119	843813	50.770	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	434168	49.687	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	435439	47.882	ug/l	100
89) n-Butylbenzene	12.329	91	797119	51.042	ug/l	100
90) Hexachloroethane	12.536	117	147768	50.152	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	418287	49.398	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45584	50.530	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	290148	50.438	ug/l	100
94) Hexachlorobutadiene	13.719	225	109236	50.352	ug/l	100
95) Naphthalene	13.774	128	809540	53.405	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	278713	51.278	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046863.D
Acq On : 02 Jul 2025 13:39
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:32:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

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

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

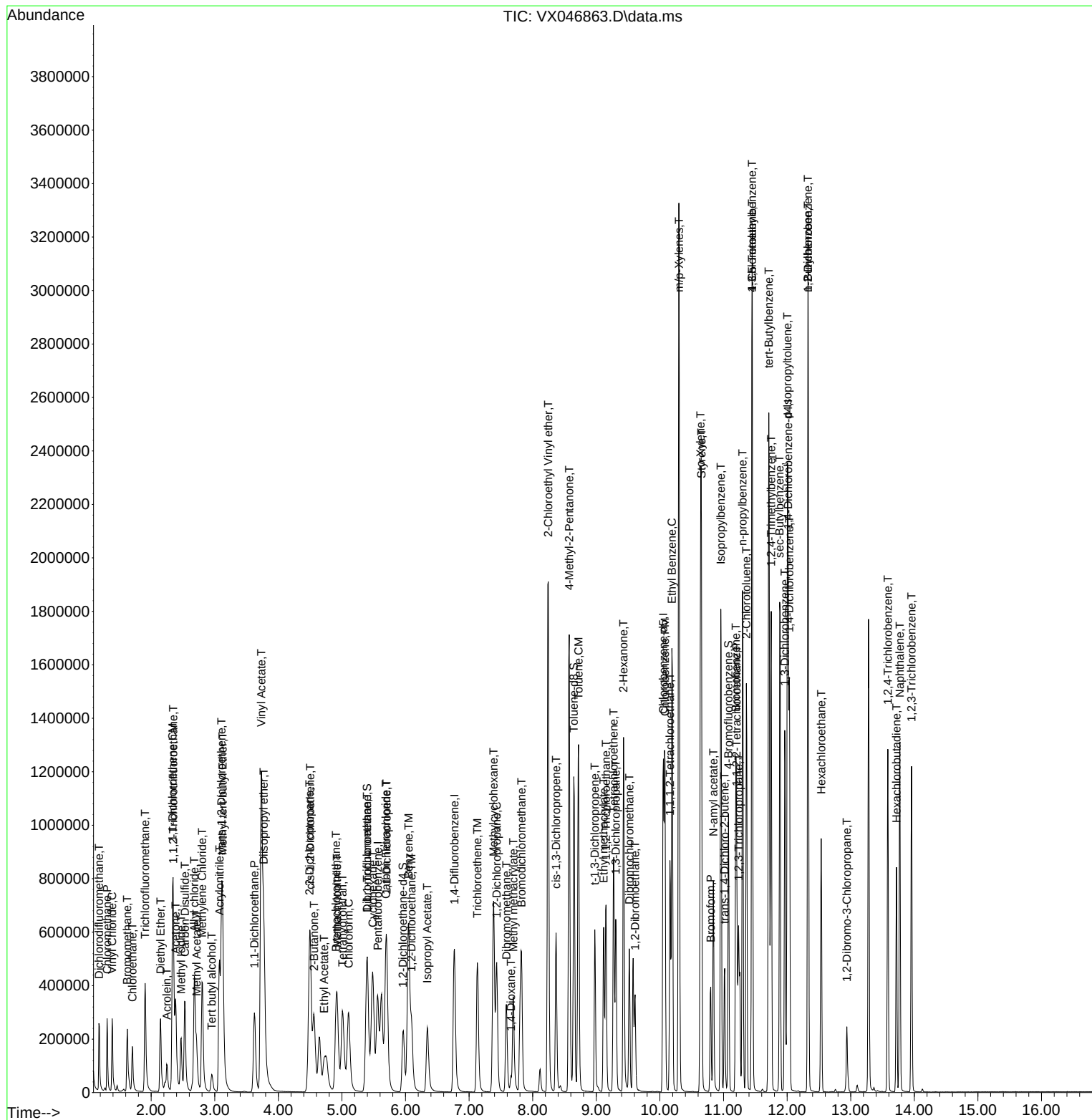
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046863.D
 Acq On : 02 Jul 2025 13:39
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 03 05:32:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
 Supervised By :Mahesh Dadoda 07/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046864.D
 Acq On : 02 Jul 2025 14:10
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	360099	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	591959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	521464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	253960	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	461552	97.021	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 194.040%#			
35) Dibromofluoromethane	5.385	113	393465	97.920	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 195.840%#			
50) Toluene-d8	8.647	98	1373545	96.884	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 193.760%#			
62) 4-Bromofluorobenzene	11.079	95	513224	95.251	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 190.500%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	361969	105.107	ug/l	99
3) Chloromethane	1.307	50	391364	104.014	ug/l	98
4) Vinyl Chloride	1.386	62	424193	103.527	ug/l	100
5) Bromomethane	1.618	94	265849	100.979	ug/l	100
6) Chloroethane	1.697	64	260651	96.337	ug/l	99
7) Trichlorofluoromethane	1.904	101	643202	101.523	ug/l	98
8) Diethyl Ether	2.142	74	228526	101.358	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	412204	102.105	ug/l	99
10) Methyl Iodide	2.465	142	490208	111.457	ug/l	99
11) Tert butyl alcohol	2.953	59	156192	500.607	ug/l	99
12) 1,1-Dichloroethene	2.331	96	393053	100.660	ug/l	97
13) Acrolein	2.245	56	173378	500.012	ug/l	100
14) Allyl chloride	2.672	41	711428	102.334	ug/l	99
15) Acrylonitrile	3.068	53	898537	496.093	ug/l	100
16) Acetone	2.380	43	707647	478.882	ug/l	98
17) Carbon Disulfide	2.526	76	1006664	98.304	ug/l	99
18) Methyl Acetate	2.709	43	410853	105.486	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	1142805	103.638	ug/l	98
20) Methylene Chloride	2.800	84	428892	98.153	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	396705	99.285	ug/l	97
22) Diisopropyl ether	3.764	45	1387980	103.342	ug/l	97
23) Vinyl Acetate	3.727	43	5276627	524.403	ug/l	100
24) 1,1-Dichloroethane	3.617	63	759957	99.213	ug/l	100
25) 2-Butanone	4.550	43	992659	503.497	ug/l	99
26) 2,2-Dichloropropane	4.483	77	577382	101.283	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	482620	98.931	ug/l	100
28) Bromochloromethane	4.904	49	371458	98.260	ug/l	100
29) Tetrahydrofuran	5.001	42	640795	509.872	ug/l	99
30) Chloroform	5.099	83	757773	96.834	ug/l	100
31) Cyclohexane	5.477	56	667229	98.120	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	649123	99.286	ug/l	99
36) 1,1-Dichloropropene	5.696	75	514002	94.809	ug/l	99
37) Ethyl Acetate	4.715	43	420101	90.979	ug/l	98
38) Carbon Tetrachloride	5.684	117	567706	97.774	ug/l	98
39) Methylcyclohexane	7.379	83	683852	100.837	ug/l	99
40) Benzene	6.044	78	1589318	96.921	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046864.D
 Acq On : 02 Jul 2025 14:10
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	261090	105.996	ug/l	99
42) 1,2-Dichloroethane	6.086	62	536004	96.261	ug/l	100
43) Isopropyl Acetate	6.336	43	746174	105.501	ug/l	100
44) Trichloroethene	7.123	130	411222	96.336	ug/l	98
45) 1,2-Dichloropropane	7.427	63	408244	98.538	ug/l	100
46) Dibromomethane	7.580	93	279372	97.324	ug/l	99
47) Bromodichloromethane	7.818	83	601292	98.101	ug/l	98
48) Methyl methacrylate	7.690	41	389200	106.573	ug/l	100
49) 1,4-Dioxane	7.659	88	82890	1958.872	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	2089507	500.587	ug/l	99
52) Toluene	8.714	92	984220	96.858	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	580117	106.052	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	650539	104.190	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	367441	97.082	ug/l	98
56) Ethyl methacrylate	9.116	69	554620	105.873	ug/l	99
57) 1,3-Dichloropropane	9.305	76	625220	95.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	1541497	522.248	ug/l	100
59) 2-Hexanone	9.427	43	1406681	508.068	ug/l	100
60) Dibromochloromethane	9.519	129	445393	98.331	ug/l	99
61) 1,2-Dibromoethane	9.604	107	375661	98.827	ug/l	99
64) Tetrachloroethene	9.269	164	333229	95.978	ug/l	95
65) Chlorobenzene	10.073	112	1095855	97.200	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	381396	100.632	ug/l	99
67) Ethyl Benzene	10.189	91	1925349	99.720	ug/l	99
68) m/p-Xylenes	10.299	106	1424898	195.851	ug/l	99
69) o-Xylene	10.640	106	691874	98.448	ug/l	99
70) Styrene	10.653	104	1206962	100.381	ug/l	99
71) Bromoform	10.799	173	286378	101.623	ug/l	100
73) Isopropylbenzene	10.957	105	1824241	102.183	ug/l	100
74) N-amyl acetate	10.842	43	661864	109.100	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	477117	97.192	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	401735m	102.378	ug/l	
77) Bromobenzene	11.195	156	441962	99.388	ug/l	98
78) n-propylbenzene	11.299	91	2169188	100.767	ug/l	99
79) 2-Chlorotoluene	11.360	91	1268825	99.822	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	1497082	103.204	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	158326	108.273	ug/l	98
82) 4-Chlorotoluene	11.451	91	1472712	100.402	ug/l	100
83) tert-Butylbenzene	11.713	119	1539450	102.751	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	1488102	101.492	ug/l	97
85) sec-Butylbenzene	11.890	105	1912633	101.251	ug/l	99
86) p-Isopropyltoluene	12.006	119	1605082	101.466	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	825505	99.260	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	823926	95.192	ug/l	100
89) n-Butylbenzene	12.329	91	1515258	101.944	ug/l	100
90) Hexachloroethane	12.536	117	294961	105.182	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	792536	98.339	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	90270	105.136	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	569410	104.000	ug/l	100
94) Hexachlorobutadiene	13.725	225	207095	100.298	ug/l	99
95) Naphthalene	13.774	128	1572381	108.986	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	543127	104.988	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046864.D
Acq On : 02 Jul 2025 14:10
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

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

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

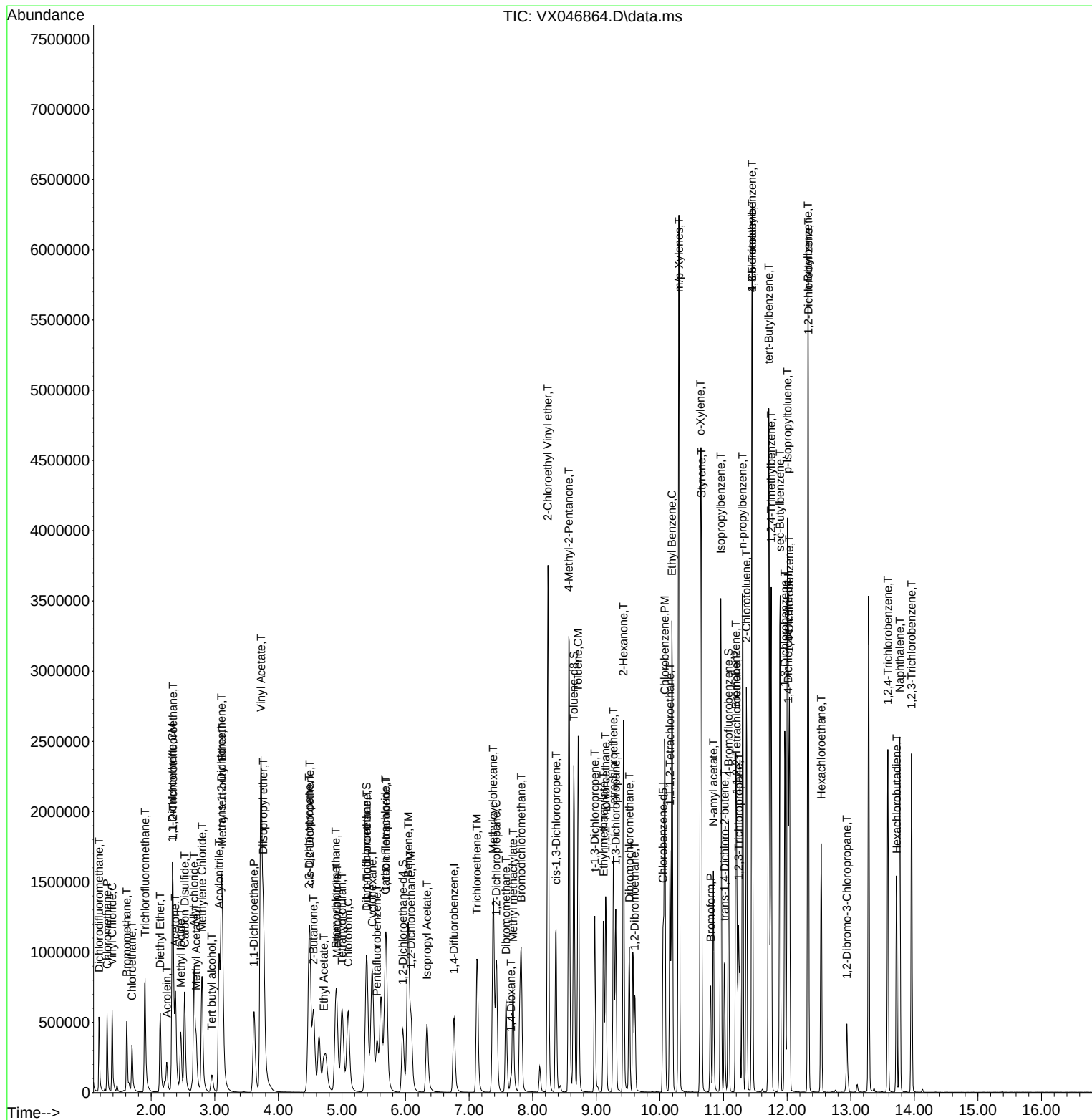
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046864.D
 Acq On : 02 Jul 2025 14:10
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:33:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046865.D
 Acq On : 02 Jul 2025 14:31
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:34:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	337940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	564585	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	498758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240348	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	649303	145.436	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 290.880%#	
35) Dibromofluoromethane	5.391	113	550160	143.554	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 287.100%#	
50) Toluene-d8	8.653	98	1923179	142.230	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 284.460%#	
62) 4-Bromofluorobenzene	11.079	95	721016	140.303	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 280.600%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.179	85	497096	153.809	ug/l	99
3) Chloromethane	1.307	50	537388	152.188	ug/l	98
4) Vinyl Chloride	1.386	62	574277	149.346	ug/l	99
5) Bromomethane	1.611	94	298828	120.949	ug/l	100
6) Chloroethane	1.697	64	358739	141.285	ug/l	99
7) Trichlorofluoromethane	1.904	101	897728	150.988	ug/l	99
8) Diethyl Ether	2.148	74	321838	152.105	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	569627	150.352	ug/l	99
10) Methyl Iodide	2.465	142	705949	171.034	ug/l	98
11) Tert butyl alcohol	2.965	59	229819	784.885	ug/l	99
12) 1,1-Dichloroethene	2.337	96	547474	149.400	ug/l	97
13) Acrolein	2.245	56	245973	754.434	ug/l	98
14) Allyl chloride	2.678	41	996540	152.745	ug/l	99
15) Acrylonitrile	3.075	53	1288046	757.776	ug/l	99
16) Acetone	2.386	43	1013283	730.677	ug/l	99
17) Carbon Disulfide	2.526	76	1394541	145.111	ug/l	99
18) Methyl Acetate	2.709	43	607185	166.116	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1637759	158.264	ug/l	98
20) Methylene Chloride	2.800	84	596413	145.441	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	552703	147.398	ug/l	97
22) Diisopropyl ether	3.770	45	1919430	152.282	ug/l	99
23) Vinyl Acetate	3.733	43	7476523	791.755	ug/l	100
24) 1,1-Dichloroethane	3.623	63	1064068	148.024	ug/l	100
25) 2-Butanone	4.562	43	1449681	783.522	ug/l	100
26) 2,2-Dichloropropane	4.489	77	837466	156.539	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	674986	147.435	ug/l	100
28) Bromochloromethane	4.910	49	515523	145.311	ug/l	99
29) Tetrahydrofuran	5.007	42	928390	787.145	ug/l	100
30) Chloroform	5.105	83	1064448	144.942	ug/l	100
31) Cyclohexane	5.483	56	939695	147.249	ug/l	100
32) 1,1,1-Trichloroethane	5.391	97	922378	150.332	ug/l	98
36) 1,1-Dichloropropene	5.702	75	739394	142.995	ug/l	99
37) Ethyl Acetate	4.721	43	631521	143.396	ug/l	98
38) Carbon Tetrachloride	5.684	117	809906	146.250	ug/l	98
39) Methylcyclohexane	7.385	83	974901	150.724	ug/l	99
40) Benzene	6.043	78	2243029	143.418	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046865.D
 Acq On : 02 Jul 2025 14:31
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:34:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:21:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	375761	159.945	ug/l	99
42) 1,2-Dichloroethane	6.092	62	756183	142.387	ug/l	100
43) Isopropyl Acetate	6.342	43	1104335	163.711	ug/l	100
44) Trichloroethene	7.129	130	583397	143.298	ug/l	97
45) 1,2-Dichloropropane	7.433	63	579224	146.587	ug/l	99
46) Dibromomethane	7.586	93	401338	146.592	ug/l	99
47) Bromodichloromethane	7.824	83	858188	146.803	ug/l	99
48) Methyl methacrylate	7.696	41	580607	166.693	ug/l	99
49) 1,4-Dioxane	7.665	88	122695	3040.136	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	3026947	760.332	ug/l	98
52) Toluene	8.720	92	1394797	143.918	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	853017	163.503	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	939003	157.682	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	521889	144.574	ug/l	98
56) Ethyl methacrylate	9.116	69	816206	163.362	ug/l	100
57) 1,3-Dichloropropane	9.305	76	893213	143.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	2192288	778.743	ug/l	100
59) 2-Hexanone	9.427	43	2051712	776.972	ug/l	100
60) Dibromochloromethane	9.518	129	637739	147.623	ug/l	99
61) 1,2-Dibromoethane	9.610	107	536592	148.009	ug/l	100
64) Tetrachloroethene	9.275	164	475745	143.265	ug/l	96
65) Chlorobenzene	10.079	112	1563433	144.986	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	548552	151.325	ug/l	100
67) Ethyl Benzene	10.195	91	2729559	147.809	ug/l	98
68) m/p-Xylenes	10.299	106	2009645	288.799	ug/l	99
69) o-Xylene	10.640	106	987134	146.856	ug/l	99
70) Styrene	10.652	104	1697064	147.567	ug/l	98
71) Bromoform	10.799	173	411264	152.584	ug/l	97
73) Isopropylbenzene	10.963	105	2588441	153.200	ug/l	100
74) N-amyl acetate	10.841	43	986018	171.738	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	698105	150.263	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	567147m	152.717	ug/l	
77) Bromobenzene	11.195	156	628974	149.454	ug/l	99
78) n-propylbenzene	11.305	91	3052066	149.810	ug/l	99
79) 2-Chlorotoluene	11.360	91	1784161	148.315	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	2088013	152.092	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	239775	173.259	ug/l	95
82) 4-Chlorotoluene	11.451	91	2061746	148.519	ug/l	99
83) tert-Butylbenzene	11.713	119	2164507	152.653	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	2118023	152.635	ug/l	97
85) sec-Butylbenzene	11.890	105	2681731	150.005	ug/l	99
86) p-Isopropyltoluene	12.006	119	2218491	148.186	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	1167669	148.354	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	1176579	143.634	ug/l	99
89) n-Butylbenzene	12.329	91	2101194	149.371	ug/l	99
90) Hexachloroethane	12.536	117	424369	159.899	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	1117598	146.526	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	138617	170.588	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	825907	159.391	ug/l	99
94) Hexachlorobutadiene	13.725	225	296507	151.734	ug/l	99
95) Naphthalene	13.774	128	2359854	172.832	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	792593	161.887	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046865.D
Acq On : 02 Jul 2025 14:31
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:34:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration

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

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

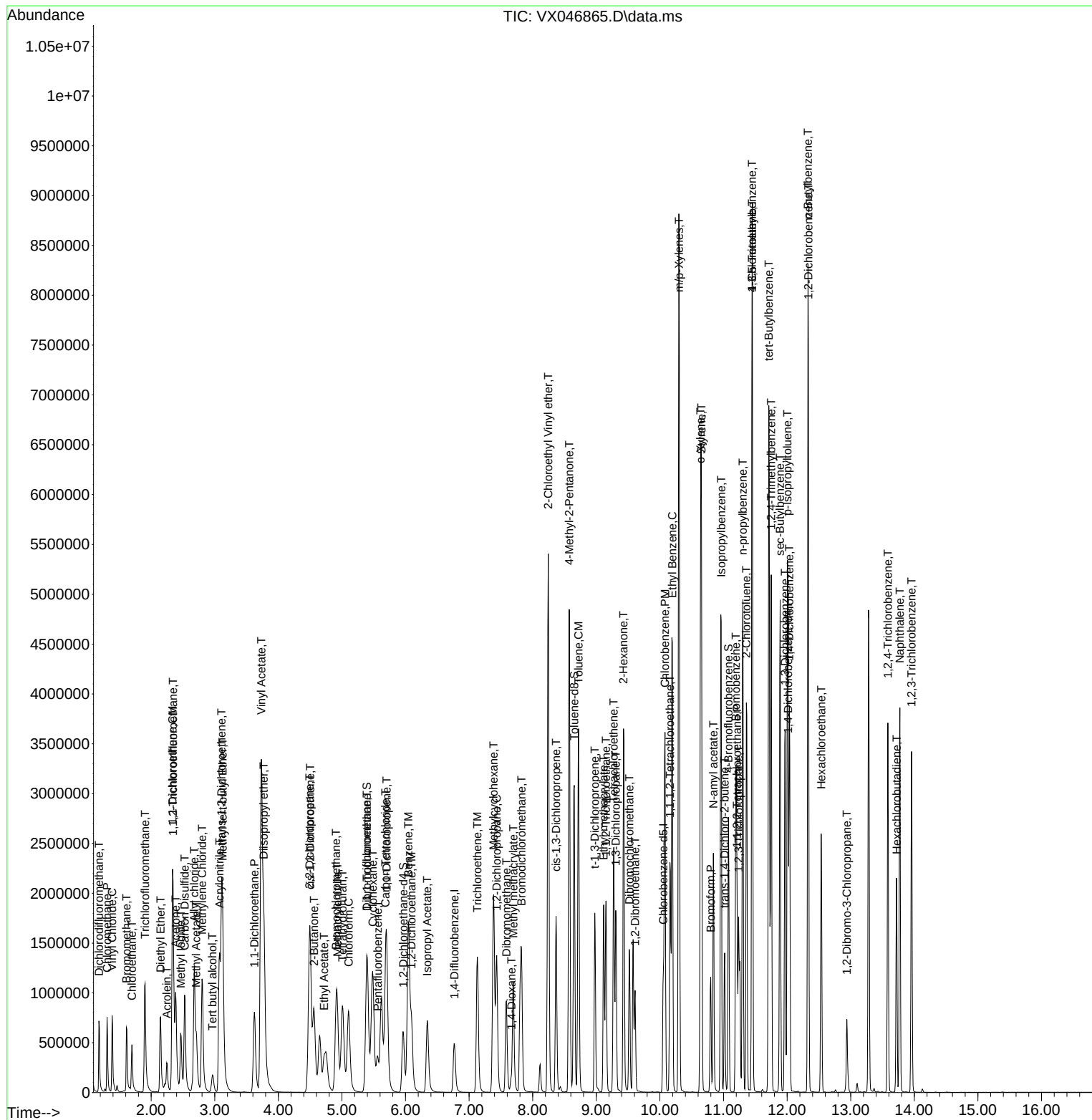
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046865.D
Acq On : 02 Jul 2025 14:31
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:34:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:21:52 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	376229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	610660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	549326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	275295	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	242648	48.819	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.640%			
35) Dibromofluoromethane	5.397	113	208822	50.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.760%			
50) Toluene-d8	8.647	98	731941	50.047	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.100%			
62) 4-Bromofluorobenzene	11.079	95	282463	50.818	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	178684	49.661	ug/l	98
3) Chloromethane	1.307	50	192497	48.967	ug/l	100
4) Vinyl Chloride	1.386	62	208626	48.733	ug/l	99
5) Bromomethane	1.624	94	141065	51.285	ug/l	97
6) Chloroethane	1.703	64	132155	46.751	ug/l	100
7) Trichlorofluoromethane	1.904	101	326501	49.325	ug/l	98
8) Diethyl Ether	2.148	74	117004	49.670	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	208780	49.499	ug/l	100
10) Methyl Iodide	2.471	142	229855	50.021	ug/l	97
11) Tert butyl alcohol	2.953	59	86884	266.531	ug/l	100
12) 1,1-Dichloroethene	2.337	96	197950	48.521	ug/l	99
13) Acrolein	2.252	56	87230	242.250	ug/l	98
14) Allyl chloride	2.678	41	359895	49.549	ug/l	99
15) Acrylonitrile	3.075	53	482124	255.809	ug/l	99
16) Acetone	2.386	43	376127	243.622	ug/l	97
17) Carbon Disulfide	2.532	76	501161	46.842	ug/l	100
18) Methyl Acetate	2.715	43	217113	53.354	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	601377	52.199	ug/l	99
20) Methylene Chloride	2.800	84	224143	49.097	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	205950	49.334	ug/l	99
22) Diisopropyl ether	3.770	45	723627	51.568	ug/l	97
23) Vinyl Acetate	3.733	43	2777219	264.173	ug/l	99
24) 1,1-Dichloroethane	3.623	63	395739	49.449	ug/l	99
25) 2-Butanone	4.562	43	538755	261.552	ug/l	98
26) 2,2-Dichloropropane	4.489	77	293933	49.351	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	247860	48.630	ug/l	99
28) Bromochloromethane	4.910	49	198401	50.232	ug/l	98
29) Tetrahydrofuran	5.013	42	350947	267.272	ug/l	99
30) Chloroform	5.105	83	395292	48.348	ug/l	100
31) Cyclohexane	5.483	56	350463	49.328	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	335397	49.101	ug/l	99
36) 1,1-Dichloropropene	5.702	75	275506	49.261	ug/l	100
37) Ethyl Acetate	4.721	43	229364	48.151	ug/l	100
38) Carbon Tetrachloride	5.690	117	291659	49.327	ug/l	99
39) Methylcyclohexane	7.385	83	355028	50.747	ug/l	98
40) Benzene	6.050	78	835235	49.375	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/03/2025
 Supervised By : Mahesh Dadoda 07/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	137841	54.246	ug/l	98
42) 1,2-Dichloroethane	6.092	62	282094	49.110	ug/l	100
43) Isopropyl Acetate	6.342	43	390969	53.586	ug/l	99
44) Trichloroethene	7.129	130	212780	48.321	ug/l	100
45) 1,2-Dichloropropane	7.434	63	213351	49.920	ug/l	98
46) Dibromomethane	7.586	93	146563	49.494	ug/l	100
47) Bromodichloromethane	7.824	83	313088	49.516	ug/l	97
48) Methyl methacrylate	7.696	41	206773	54.886	ug/l	99
49) 1,4-Dioxane	7.659	88	47208	1081.463	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	1163206	270.137	ug/l	100
52) Toluene	8.720	92	524414	50.028	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	298344	52.871	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	334998	52.010	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	194738	49.876	ug/l	98
56) Ethyl methacrylate	9.116	69	294579	54.511	ug/l	99
57) 1,3-Dichloropropane	9.305	76	334325	49.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	817519	268.488	ug/l	100
59) 2-Hexanone	9.427	43	792449	277.453	ug/l	100
60) Dibromochloromethane	9.519	129	234044	50.089	ug/l	99
61) 1,2-Dibromoethane	9.610	107	200842	51.219	ug/l	100
64) Tetrachloroethene	9.275	164	174726	47.773	ug/l	93
65) Chlorobenzene	10.080	112	584424	49.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	199525	49.975	ug/l	99
67) Ethyl Benzene	10.189	91	1013473	49.829	ug/l	99
68) m/p-Xylenes	10.299	106	760571	99.238	ug/l	100
69) o-Xylene	10.640	106	368751	49.809	ug/l	99
70) Styrene	10.653	104	644744	50.903	ug/l	100
71) Bromoform	10.799	173	147395	49.651	ug/l #	99
73) Isopropylbenzene	10.957	105	981991	50.742	ug/l	100
74) N-amyl acetate	10.842	43	359547	54.674	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	269327	50.612	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	218733m	51.422	ug/l	
77) Bromobenzene	11.195	156	237950	49.363	ug/l	99
78) n-propylbenzene	11.299	91	1172148	50.231	ug/l	100
79) 2-Chlorotoluene	11.360	91	678845	49.268	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	808534	51.418	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	82807	52.240	ug/l	99
82) 4-Chlorotoluene	11.451	91	802710	50.483	ug/l	100
83) tert-Butylbenzene	11.713	119	826920	50.916	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	801503	50.428	ug/l	100
85) sec-Butylbenzene	11.890	105	1032626	50.429	ug/l	100
86) p-Isopropyltoluene	12.006	119	867283	50.577	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	446776	49.558	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	448682	47.821	ug/l	99
89) n-Butylbenzene	12.329	91	817746	50.753	ug/l	99
90) Hexachloroethane	12.536	117	151888	49.965	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	424172	48.553	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	48557	52.171	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	301081	50.729	ug/l	99
94) Hexachlorobutadiene	13.719	225	117882	52.667	ug/l	99
95) Naphthalene	13.774	128	844747	54.014	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	285334	50.881	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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_X
ClientSampleId :
ICVVX070225

Manual Integrations APPROVED

[illegible]

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 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	102	0.00
2 T	Dichlorodifluoromethane	0.478	0.475	0.6	100	0.00
3 P	Chloromethane	0.522	0.512	1.9	103	0.00
4 C	Vinyl Chloride	0.569	0.555	2.5#	103	0.00
5 T	Bromomethane	0.366	0.375	-2.5	107	0.00
6 T	Chloroethane	0.376	0.351	6.6	104	0.00
7 T	Trichlorofluoromethane	0.880	0.868	1.4	103	0.00
8 T	Diethyl Ether	0.313	0.311	0.6	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.561	0.555	1.1	103	0.00
10 T	Methyl Iodide	0.611	0.611	0.0	99	0.00
11 T	Tert butyl alcohol	0.043	0.046	-7.0	112	0.00
12 CM	1,1-Dichloroethene	0.542	0.526	3.0#	103	0.00
13 T	Acrolein	0.052	0.046	11.5	104	0.00
14 T	Allyl chloride	0.965	0.957	0.8	104	0.00
15 T	Acrylonitrile	0.250	0.256	-2.4	106	0.00
16 T	Acetone	0.205	0.200	2.4	106	0.00
17 T	Carbon Disulfide	1.422	1.332	6.3	101	0.00
18 T	Methyl Acetate	0.541	0.577	-6.7	107	0.00
19 T	Methyl tert-butyl Ether	1.531	1.598	-4.4	107	0.00
20 T	Methylene Chloride	0.607	0.596	1.8	104	0.00
21 T	trans-1,2-Dichloroethene	0.555	0.547	1.4	103	0.00
22 T	Diisopropyl ether	1.865	1.923	-3.1	103	0.00
23 T	Vinyl Acetate	1.397	1.476	-5.7	106	0.00
24 P	1,1-Dichloroethane	1.064	1.052	1.1	103	0.00
25 T	2-Butanone	0.274	0.286	-4.4	106	0.00
26 T	2,2-Dichloropropane	0.792	0.781	1.4	105	0.00
27 T	cis-1,2-Dichloroethene	0.677	0.659	2.7	102	0.00
28 T	Bromochloromethane	0.525	0.527	-0.4	102	0.00
29 T	Tetrahydrofuran	0.175	0.187	-6.9	109	0.00
30 C	Chloroform	1.087	1.051	3.3#	102	0.00
31 T	Cyclohexane	0.944	0.932	1.3	104	0.00
32 T	1,1,1-Trichloroethane	0.908	0.891	1.9	103	0.00
33 S	1,2-Dichloroethane-d4	0.661	0.645	2.4	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	102	0.00
35 S	Dibromofluoromethane	0.339	0.342	-0.9	102	0.00
36 T	1,1-Dichloropropene	0.458	0.451	1.5	104	0.00
37 T	Ethyl Acetate	0.390	0.376	3.6	106	0.00
38 T	Carbon Tetrachloride	0.484	0.478	1.2	102	0.00
39 T	Methylcyclohexane	0.573	0.581	-1.4	104	0.00
40 TM	Benzene	1.385	1.368	1.2	102	0.00
41 T	Methacrylonitrile	0.208	0.226	-8.7	108	0.00
42 TM	1,2-Dichloroethane	0.470	0.462	1.7	102	0.00
43 T	Isopropyl Acetate	0.597	0.640	-7.2	105	0.00
44 TM	Trichloroethene	0.361	0.348	3.6	103	0.00
45 C	1,2-Dichloropropane	0.350	0.349	0.3#	103	0.00
46 T	Dibromomethane	0.242	0.240	0.8	102	0.00
47 T	Bromodichloromethane	0.518	0.513	1.0	102	0.00
48 T	Methyl methacrylate	0.308	0.339	-10.1	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 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	0.004	0.004	0.0	108	0.00
50 S	Toluene-d8	1.197	1.199	-0.2	102	0.00
51 T	4-Methyl-2-Pentanone	0.353	0.381	-7.9	106	0.00
52 CM	Toluene	0.858	0.859	-0.1#	104	0.00
53 T	t-1,3-Dichloropropene	0.462	0.489	-5.8	105	0.00
54 T	cis-1,3-Dichloropropene	0.527	0.549	-4.2	104	0.00
55 T	1,1,2-Trichloroethane	0.320	0.319	0.3	102	0.00
56 T	Ethyl methacrylate	0.442	0.482	-9.0	107	0.00
57 T	1,3-Dichloropropane	0.550	0.547	0.5	103	0.00
58 T	2-Chloroethyl Vinyl ether	0.249	0.268	-7.6	102	0.00
59 T	2-Hexanone	0.234	0.260	-11.1	107	0.00
60 T	Dibromochloromethane	0.383	0.383	0.0	103	0.00
61 T	1,2-Dibromoethane	0.321	0.329	-2.5	104	0.00
62 S	4-Bromofluorobenzene	0.455	0.463	-1.8	103	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	102	0.00
64 T	Tetrachloroethene	0.333	0.318	4.5	103	0.00
65 PM	Chlorobenzene	1.081	1.064	1.6	103	0.00
66 T	1,1,1,2-Tetrachloroethane	0.363	0.363	0.0	103	0.00
67 C	Ethyl Benzene	1.851	1.845	0.3#	103	0.00
68 T	m/p-Xylenes	0.698	0.692	0.9	102	0.00
69 T	o-Xylene	0.674	0.671	0.4	103	0.00
70 T	Styrene	1.153	1.174	-1.8	102	0.00
71 P	Bromoform	0.270	0.268	0.7	101	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73 T	Isopropylbenzene	3.515	3.567	-1.5	102	0.00
74 T	N-amyl acetate	1.194	1.306	-9.4	106	0.00
75 P	1,1,2,2-Tetrachloroethane	0.966	0.978	-1.2	105	0.00
76 T	1,2,3-Trichloropropane	0.773	0.795	-2.8	104	0.00
77 T	Bromobenzene	0.875	0.864	1.3	102	0.00
78 T	n-propylbenzene	4.238	4.258	-0.5	102	0.00
79 T	2-Chlorotoluene	2.503	2.466	1.5	102	0.00
80 T	1,3,5-Trimethylbenzene	2.856	2.937	-2.8	104	0.00
81 T	trans-1,4-Dichloro-2-butene	0.288	0.301	-4.5	106	0.00
82 T	4-Chlorotoluene	2.888	2.916	-1.0	103	0.00
83 T	tert-Butylbenzene	2.950	3.004	-1.8	103	0.00
84 T	1,2,4-Trimethylbenzene	2.887	2.911	-0.8	102	0.00
85 T	sec-Butylbenzene	3.719	3.751	-0.9	102	0.00
86 T	p-Isopropyltoluene	3.114	3.150	-1.2	103	0.00
87 T	1,3-Dichlorobenzene	1.637	1.623	0.9	103	0.00
88 T	1,4-Dichlorobenzene	1.704	1.630	4.3	103	0.00
89 T	n-Butylbenzene	2.926	2.970	-1.5	103	0.00
90 T	Hexachloroethane	0.552	0.552	0.0	103	0.00
91 T	1,2-Dichlorobenzene	1.587	1.541	2.9	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.169	0.176	-4.1	107	0.00
93 T	1,2,4-Trichlorobenzene	1.078	1.094	-1.5	104	0.00
94 T	Hexachlorobutadiene	0.407	0.428	-5.2	108	0.00
95 T	Naphthalene	2.840	3.069	-8.1	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.019	1.036	-1.7	102	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 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	102	0.00
2 T	Dichlorodifluoromethane	50.000	49.661	0.7	100	0.00
3 P	Chloromethane	50.000	48.967	2.1	103	0.00
4 C	Vinyl Chloride	50.000	48.733	2.5#	103	0.00
5 T	Bromomethane	50.000	51.285	-2.6	107	0.00
6 T	Chloroethane	50.000	46.751	6.5	104	0.00
7 T	Trichlorofluoromethane	50.000	49.325	1.3	103	0.00
8 T	Diethyl Ether	50.000	49.670	0.7	104	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.499	1.0	103	0.00
10 T	Methyl Iodide	50.000	50.021	-0.0	99	0.00
11 T	Tert butyl alcohol	250.000	266.531	-6.6	112	0.00
12 CM	1,1-Dichloroethene	50.000	48.521	3.0#	103	0.00
13 T	Acrolein	250.000	242.250	3.1	104	0.00
14 T	Allyl chloride	50.000	49.549	0.9	104	0.00
15 T	Acrylonitrile	250.000	255.809	-2.3	106	0.00
16 T	Acetone	250.000	243.622	2.6	106	0.00
17 T	Carbon Disulfide	50.000	46.842	6.3	101	0.00
18 T	Methyl Acetate	50.000	53.354	-6.7	107	0.00
19 T	Methyl tert-butyl Ether	50.000	52.199	-4.4	107	0.00
20 T	Methylene Chloride	50.000	49.097	1.8	104	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.334	1.3	103	0.00
22 T	Diisopropyl ether	50.000	51.568	-3.1	103	0.00
23 T	Vinyl Acetate	250.000	264.173	-5.7	106	0.00
24 P	1,1-Dichloroethane	50.000	49.449	1.1	103	0.00
25 T	2-Butanone	250.000	261.552	-4.6	106	0.00
26 T	2,2-Dichloropropane	50.000	49.351	1.3	105	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.630	2.7	102	0.00
28 T	Bromochloromethane	50.000	50.232	-0.5	102	0.00
29 T	Tetrahydrofuran	250.000	267.272	-6.9	109	0.00
30 C	Chloroform	50.000	48.348	3.3#	102	0.00
31 T	Cyclohexane	50.000	49.328	1.3	104	0.00
32 T	1,1,1-Trichloroethane	50.000	49.101	1.8	103	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.819	2.4	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	102	0.00
35 S	Dibromofluoromethane	50.000	50.377	-0.8	102	0.00
36 T	1,1-Dichloropropene	50.000	49.261	1.5	104	0.00
37 T	Ethyl Acetate	50.000	48.151	3.7	106	0.00
38 T	Carbon Tetrachloride	50.000	49.327	1.3	102	0.00
39 T	Methylcyclohexane	50.000	50.747	-1.5	104	0.00
40 TM	Benzene	50.000	49.375	1.3	102	0.00
41 T	Methacrylonitrile	50.000	54.246	-8.5	108	0.00
42 TM	1,2-Dichloroethane	50.000	49.110	1.8	102	0.00
43 T	Isopropyl Acetate	50.000	53.586	-7.2	105	0.00
44 TM	Trichloroethene	50.000	48.321	3.4	103	0.00
45 C	1,2-Dichloropropane	50.000	49.920	0.2#	103	0.00
46 T	Dibromomethane	50.000	49.494	1.0	102	0.00
47 T	Bromodichloromethane	50.000	49.516	1.0	102	0.00
48 T	Methyl methacrylate	50.000	54.886	-9.8	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
 Data File : VX046867.D
 Acq On : 02 Jul 2025 15:14
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX070225

Quant Time: Jul 03 05:55:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 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	1081.463	-8.1	108	0.00
50 S	Toluene-d8	50.000	50.047	-0.1	102	0.00
51 T	4-Methyl-2-Pentanone	250.000	270.137	-8.1	106	0.00
52 CM	Toluene	50.000	50.028	-0.1#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	52.871	-5.7	105	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.010	-4.0	104	0.00
55 T	1,1,2-Trichloroethane	50.000	49.876	0.2	102	0.00
56 T	Ethyl methacrylate	50.000	54.511	-9.0	107	0.00
57 T	1,3-Dichloropropane	50.000	49.728	0.5	103	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	268.488	-7.4	102	0.00
59 T	2-Hexanone	250.000	277.453	-11.0	107	0.00
60 T	Dibromochloromethane	50.000	50.089	-0.2	103	0.00
61 T	1,2-Dibromoethane	50.000	51.219	-2.4	104	0.00
62 S	4-Bromofluorobenzene	50.000	50.818	-1.6	103	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	102	0.00
64 T	Tetrachloroethene	50.000	47.773	4.5	103	0.00
65 PM	Chlorobenzene	50.000	49.208	1.6	103	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.975	0.0	103	0.00
67 C	Ethyl Benzene	50.000	49.829	0.3#	103	0.00
68 T	m/p-Xylenes	100.000	99.238	0.8	102	0.00
69 T	o-Xylene	50.000	49.809	0.4	103	0.00
70 T	Styrene	50.000	50.903	-1.8	102	0.00
71 P	Bromoform	50.000	49.651	0.7	101	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73 T	Isopropylbenzene	50.000	50.742	-1.5	102	0.00
74 T	N-ethyl acetate	50.000	54.674	-9.3	106	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.612	-1.2	105	0.00
76 T	1,2,3-Trichloropropane	50.000	51.422	-2.8	104	0.00
77 T	Bromobenzene	50.000	49.363	1.3	102	0.00
78 T	n-propylbenzene	50.000	50.231	-0.5	102	0.00
79 T	2-Chlorotoluene	50.000	49.268	1.5	102	0.00
80 T	1,3,5-Trimethylbenzene	50.000	51.418	-2.8	104	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.240	-4.5	106	0.00
82 T	4-Chlorotoluene	50.000	50.483	-1.0	103	0.00
83 T	tert-Butylbenzene	50.000	50.916	-1.8	103	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.428	-0.9	102	0.00
85 T	sec-Butylbenzene	50.000	50.429	-0.9	102	0.00
86 T	p-Isopropyltoluene	50.000	50.577	-1.2	103	0.00
87 T	1,3-Dichlorobenzene	50.000	49.558	0.9	103	0.00
88 T	1,4-Dichlorobenzene	50.000	47.821	4.4	103	0.00
89 T	n-Butylbenzene	50.000	50.753	-1.5	103	0.00
90 T	Hexachloroethane	50.000	49.965	0.1	103	0.00
91 T	1,2-Dichlorobenzene	50.000	48.553	2.9	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	52.171	-4.3	107	0.00
93 T	1,2,4-Trichlorobenzene	50.000	50.729	-1.5	104	0.00
94 T	Hexachlorobutadiene	50.000	52.667	-5.3	108	0.00
95 T	Naphthalene	50.000	54.014	-8.0	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046867.D
Acq On : 02 Jul 2025 15:14
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX070225

Quant Time: Jul 03 05:55:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.881	-1.8	102	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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2503</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>07/14/2025 09:17</u>
Lab File ID:	<u>VW031836.D</u>	Init. Calib. Date(s):	<u>06/30/2025 06/30/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:54 12:55</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.341	0.280		-17.89	20
Chloromethane	0.411	0.378	0.1	-8.03	20
Vinyl Chloride	0.540	0.531		-1.67	20
Bromomethane	0.421	0.400		-4.99	20
Chloroethane	0.367	0.358		-2.45	20
Trichlorofluoromethane	0.490	0.456		-6.94	20
1,1,2-Trichlorotrifluoroethane	0.544	0.533		-2.02	20
1,1-Dichloroethene	0.596	0.589		-1.17	20
Acetone	0.177	0.145		-18.08	20
Carbon Disulfide	1.594	1.487		-6.71	20
Methyl tert-butyl Ether	1.011	1.128		11.57	20
Methyl Acetate	0.507	0.534		5.32	20
Methylene Chloride	0.814	0.750		-7.86	20
trans-1,2-Dichloroethene	0.633	0.635		0.32	20
1,1-Dichloroethane	1.156	1.213	0.1	4.93	20
Cyclohexane	1.022	0.980		-4.11	20
2-Butanone	0.231	0.228		-1.3	20
Carbon Tetrachloride	0.481	0.486		1.04	20
cis-1,2-Dichloroethene	0.728	0.791		8.65	20
Bromochloromethane	0.510	0.541		6.08	20
Chloroform	1.228	1.308		6.51	20
1,1,1-Trichloroethane	0.946	0.958		1.27	20
Methylcyclohexane	0.587	0.596		1.53	20
Benzene	1.397	1.493		6.87	20
1,2-Dichloroethane	0.472	0.504		6.78	20
Trichloroethene	0.349	0.356		2.01	20
1,2-Dichloropropane	0.338	0.370		9.47	20
Bromodichloromethane	0.511	0.557		9	20
4-Methyl-2-Pentanone	0.295	0.307		4.07	20
Toluene	0.894	0.965		7.94	20
t-1,3-Dichloropropene	0.480	0.537		11.88	20
cis-1,3-Dichloropropene	0.544	0.609		11.95	20
1,1,2-Trichloroethane	0.286	0.308		7.69	20
2-Hexanone	0.200	0.211		5.5	20
Dibromochloromethane	0.341	0.372		9.09	20
1,2-Dibromoethane	0.286	0.299		4.55	20
Tetrachloroethene	0.327	0.316		-3.36	20
Chlorobenzene	1.103	1.152	0.3	4.44	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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2503</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>07/14/2025</u> <u>09:17</u>
Lab File ID:	<u>VW031836.D</u>	Init. Calib. Date(s):	<u>06/30/2025</u> <u>06/30/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>09:54</u> <u>12:55</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.913	2.034		6.32	20
m/p-Xylenes	0.735	0.786		6.94	20
o-Xylene	0.681	0.751		10.28	20
Styrene	1.177	1.279		8.67	20
Bromoform	0.210	0.216	0.1	2.86	20
Isopropylbenzene	3.803	4.171		9.68	20
1,1,2,2-Tetrachloroethane	0.844	0.921	0.3	9.12	20
1,3-Dichlorobenzene	1.701	1.869		9.88	20
1,4-Dichlorobenzene	1.741	1.813		4.14	20
1,2-Dichlorobenzene	1.555	1.670		7.39	20
1,2-Dibromo-3-Chloropropane	0.165	0.166		0.61	20
1,2,4-Trichlorobenzene	0.959	0.982		2.4	20
1,2,3-Trichlorobenzene	0.881	0.953		8.17	20
1,2-Dichloroethane-d4	0.718	0.717		-0.14	20
Dibromofluoromethane	0.326	0.332		1.84	20
Toluene-d8	1.214	1.228		1.15	20
4-Bromofluorobenzene	0.447	0.466		4.25	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_W\Data\VW071425\
 Data File : VW031836.D
 Acq On : 14 Jul 2025 09:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

07/15/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Jul 15 02:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	228359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	408363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	364073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165994	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	163719	49.957	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	99.920%
35) Dibromofluoromethane	7.904	113	135594	50.884	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	101.760%
50) Toluene-d8	10.325	98	501344	50.556	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	101.120%
62) 4-Bromofluorobenzene	12.617	95	190344	52.159	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	104.320%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	63969	41.132	ug/l	96
3) Chloromethane	2.259	50	86331	46.044	ug/l	100
4) Vinyl Chloride	2.405	62	121195	49.178	ug/l	99
5) Bromomethane	2.826	94	91454	47.511	ug/l	94
6) Chloroethane	2.972	64	81712	48.812	ug/l	99
7) Trichlorofluoromethane	3.302	101	104149	46.535	ug/l	96
8) Diethyl Ether	3.722	74	89402	52.568	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.100	101	121817	49.037	ug/l	99
10) Methyl Iodide	4.301	142	179422	46.850	ug/l	99
11) Tert butyl alcohol	5.228	59	47679	234.834	ug/l	98
12) 1,1-Dichloroethene	4.082	96	134474	49.420	ug/l	97
13) Acrolein	3.929	56	74569	204.345	ug/l	97
14) Allyl chloride	4.704	41	218285	52.285	ug/l	98
15) Acrylonitrile	5.405	53	207277	247.845	ug/l	100
16) Acetone	4.161	43	166058	205.003	ug/l	97
17) Carbon Disulfide	4.417	76	339643	46.646	ug/l	98
18) Methyl Acetate	4.704	43	121927	52.667	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	257679	55.794	ug/l	99
20) Methylene Chloride	4.954	84	171174	53.404	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	144928	50.126	ug/l	95
22) Diisopropyl ether	6.338	45	457833	56.229	ug/l	98
23) Vinyl Acetate	6.283	43	1479600	266.040	ug/l	99
24) 1,1-Dichloroethane	6.246	63	276940	52.462	ug/l	99
25) 2-Butanone	7.191	43	260514	247.209	ug/l	99
26) 2,2-Dichloropropane	7.185	77	151089	49.055	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	180662	54.359	ug/l	98
28) Bromochloromethane	7.526	49	123572	53.046	ug/l	98
29) Tetrahydrofuran	7.551	42	180200	249.693	ug/l	99
30) Chloroform	7.691	83	298589	53.231	ug/l	98
31) Cyclohexane	7.971	56	223869	47.976	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	218753	50.605	ug/l	99
36) 1,1-Dichloropropene	8.093	75	200704	52.050	ug/l	99
37) Ethyl Acetate	7.270	43	121937	50.129	ug/l	99
38) Carbon Tetrachloride	8.087	117	198434	50.500	ug/l	97
39) Methylcyclohexane	9.343	83	243562	50.768	ug/l	98
40) Benzene	8.337	78	609486	53.424	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031836.D
 Acq On : 14 Jul 2025 09:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

07/15/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Jul 15 02:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	68476	52.550	ug/l	96
42) 1,2-Dichloroethane	8.410	62	205872	53.407	ug/l	99
43) Isopropyl Acetate	8.435	43	221026	52.713	ug/l	99
44) Trichloroethene	9.099	130	145311	51.032	ug/l	99
45) 1,2-Dichloropropane	9.374	63	151020	54.772	ug/l	97
46) Dibromomethane	9.465	93	94610	53.148	ug/l	95
47) Bromodichloromethane	9.648	83	227412	54.479	ug/l	99
48) Methyl methacrylate	9.441	41	109666	53.191	ug/l	97
49) 1,4-Dioxane	9.471	88	20626	989.318	ug/l #	100
51) 4-Methyl-2-Pentanone	10.215	43	626257	259.792	ug/l	99
52) Toluene	10.392	92	394081	53.951	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	219316	55.997	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	248851	56.048	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	125673	53.895	ug/l	96
56) Ethyl methacrylate	10.648	69	181859	57.487	ug/l	98
57) 1,3-Dichloropropane	10.934	76	222671	54.390	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	453835	260.532	ug/l	98
59) 2-Hexanone	10.971	43	430301	263.418	ug/l	99
60) Dibromochloromethane	11.129	129	152023	54.520	ug/l	100
61) 1,2-Dibromoethane	11.239	107	122012	52.269	ug/l	96
64) Tetrachloroethene	10.867	164	115170	48.361	ug/l	95
65) Chlorobenzene	11.654	112	419361	52.207	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.727	131	135360	52.880	ug/l	98
67) Ethyl Benzene	11.733	91	740477	53.161	ug/l	98
68) m/p-Xylenes	11.837	106	572560	106.930	ug/l	100
69) o-Xylene	12.166	106	273433	55.153	ug/l	97
70) Styrene	12.178	104	465805	54.348	ug/l	99
71) Bromoform	12.349	173	78814	51.612	ug/l	99
73) Isopropylbenzene	12.464	105	692398	54.837	ug/l	99
74) N-amyl acetate	12.269	43	198710	58.389	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	152803	54.511	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	115411m	53.802	ug/l	
77) Bromobenzene	12.745	156	150491	53.439	ug/l	95
78) n-propylbenzene	12.800	91	836655	55.335	ug/l	100
79) 2-Chlorotoluene	12.885	91	524436	57.600	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	589302	56.384	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.507	75	51795	56.239	ug/l	98
82) 4-Chlorotoluene	12.989	91	535657	56.037	ug/l	98
83) tert-Butylbenzene	13.202	119	508480	56.796	ug/l	96
84) 1,2,4-Trimethylbenzene	13.245	105	600386	56.696	ug/l	96
85) sec-Butylbenzene	13.379	105	740756	55.125	ug/l	99
86) p-Isopropyltoluene	13.495	119	600369	54.212	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	310240	54.933	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	301024	52.075	ug/l	97
89) n-Butylbenzene	13.818	91	596003	55.390	ug/l	100
90) Hexachloroethane	14.086	117	107848	53.979	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	277144	53.691	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	27594	50.415	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	163066	51.224	ug/l	98
94) Hexachlorobutadiene	15.232	225	77336	50.310	ug/l	90
95) Naphthalene	15.360	128	424393	54.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	158213	54.088	ug/l	98

07/16/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031836.D
Acq On : 14 Jul 2025 09:17
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

07/15/2025
Supervised By :Mahesh
Dadoda

07/16/2025

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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_W\Data\VW071425\
Data File : VW031836.D
Acq On    : 14 Jul 2025  09:17
Operator  : SY/MD
Sample    : VSTDCCC050
Misc      : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial  : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

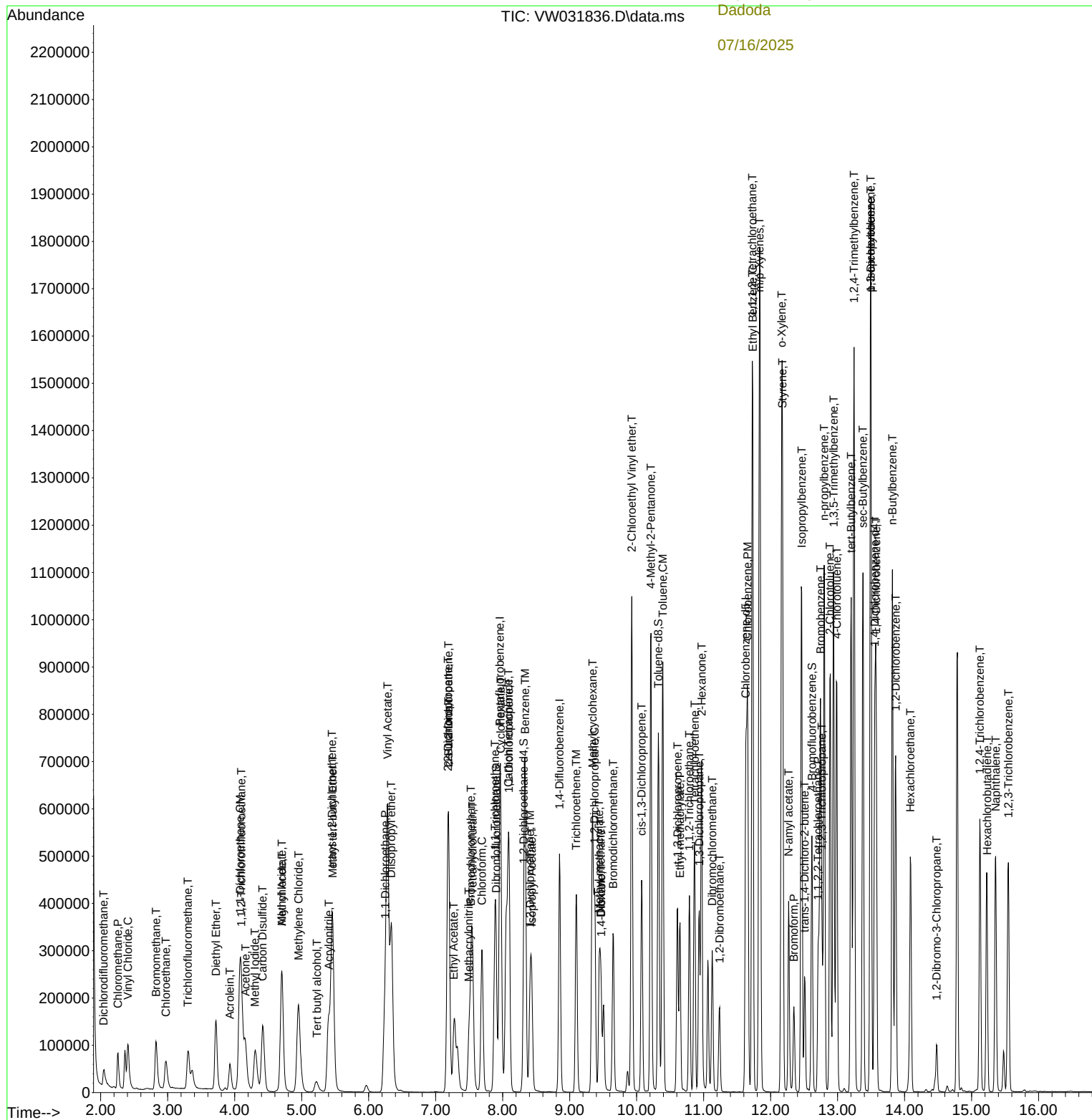
Manual Integrations

Reviewed By :Semsettin
Yesilyurt

07/15/2025
Supervised By :Mahesh
Dadoda

07/16/2025

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031836.D
 Acq On : 14 Jul 2025 09:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2 T	Dichlorodifluoromethane	0.341	0.280	17.9	92	0.00
3 P	Chloromethane	0.411	0.378	8.0	102	0.00
4 C	Vinyl Chloride	0.540	0.531	1.7#	105	0.00
5 T	Bromomethane	0.421	0.400	5.0	103	0.00
6 T	Chloroethane	0.367	0.358	2.5	105	0.00
7 T	Trichlorofluoromethane	0.490	0.456	6.9	99	0.00
8 T	Diethyl Ether	0.372	0.391	-5.1	112	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.544	0.533	2.0	107	0.00
10 T	Methyl Iodide	0.839	0.786	6.3	98	-0.01
11 T	Tert butyl alcohol	0.044	0.042	4.5	91	0.01
12 CM	1,1-Dichloroethene	0.596	0.589	1.2#	108	0.00
13 T	Acrolein	0.080	0.065	18.8	80	0.00
14 T	Allyl chloride	0.914	0.956	-4.6	109	0.00
15 T	Acrylonitrile	0.183	0.182	0.5	97	0.00
16 T	Acetone	0.177	0.145	18.1	91	0.00
17 T	Carbon Disulfide	1.594	1.487	6.7	98	0.00
18 T	Methyl Acetate	0.507	0.534	-5.3	103	0.00
19 T	Methyl tert-butyl Ether	1.011	1.128	-11.6	111	0.00
20 T	Methylene Chloride	0.814	0.750	7.9	110	0.00
21 T	trans-1,2-Dichloroethene	0.633	0.635	-0.3	105	0.00
22 T	Diisopropyl ether	1.783	2.005	-12.5	114	0.00
23 T	Vinyl Acetate	1.218	1.296	-6.4	105	0.00
24 P	1,1-Dichloroethane	1.156	1.213	-4.9	111	0.00
25 T	2-Butanone	0.231	0.228	1.3	93	0.00
26 T	2,2-Dichloropropane	0.674	0.662	1.8	103	0.00
27 T	cis-1,2-Dichloroethene	0.728	0.791	-8.7	112	0.00
28 T	Bromochloromethane	0.510	0.541	-6.1	109	0.00
29 T	Tetrahydrofuran	0.158	0.158	0.0	96	0.00
30 C	Chloroform	1.228	1.308	-6.5#	110	0.00
31 T	Cyclohexane	1.022	0.980	4.1	106	0.00
32 T	1,1,1-Trichloroethane	0.946	0.958	-1.3	105	0.00
33 S	1,2-Dichloroethane-d4	0.718	0.717	0.1	102	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
35 S	Dibromofluoromethane	0.326	0.332	-1.8	103	0.00
36 T	1,1-Dichloropropene	0.472	0.491	-4.0	109	0.00
37 T	Ethyl Acetate	0.298	0.299	-0.3	100	0.00
38 T	Carbon Tetrachloride	0.481	0.486	-1.0	106	0.00
39 T	Methylcyclohexane	0.587	0.596	-1.5	106	0.00
40 TM	Benzene	1.397	1.493	-6.9	109	0.00
41 T	Methacrylonitrile	0.160	0.168	-5.0	97	0.00
42 TM	1,2-Dichloroethane	0.472	0.504	-6.8	110	0.00
43 T	Isopropyl Acetate	0.513	0.541	-5.5	102	0.00
44 TM	Trichloroethene	0.349	0.356	-2.0	104	0.00
45 C	1,2-Dichloropropane	0.338	0.370	-9.5#	113	0.00
46 T	Dibromomethane	0.218	0.232	-6.4	107	0.00
47 T	Bromodichloromethane	0.511	0.557	-9.0	110	0.00
48 T	Methyl methacrylate	0.252	0.269	-6.7	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031836.D
 Acq On : 14 Jul 2025 09:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 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	0.003	0.003	0.0	100	0.00
50 S	Toluene-d8	1.214	1.228	-1.2	102	0.00
51 T	4-Methyl-2-Pentanone	0.295	0.307	-4.1	99	0.00
52 CM	Toluene	0.894	0.965	-7.9#	111	0.00
53 T	t-1,3-Dichloropropene	0.480	0.537	-11.9	109	0.00
54 T	cis-1,3-Dichloropropene	0.544	0.609	-11.9	112	0.00
55 T	1,1,2-Trichloroethane	0.286	0.308	-7.7	109	0.00
56 T	Ethyl methacrylate	0.387	0.445	-15.0	109	0.00
57 T	1,3-Dichloropropane	0.501	0.545	-8.8	112	0.00
58 T	2-Chloroethyl Vinyl ether	0.213	0.222	-4.2	100	0.00
59 T	2-Hexanone	0.200	0.211	-5.5	97	0.00
60 T	Dibromochloromethane	0.341	0.372	-9.1	107	0.00
61 T	1,2-Dibromoethane	0.286	0.299	-4.5	104	0.00
62 S	4-Bromofluorobenzene	0.447	0.466	-4.3	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64 T	Tetrachloroethene	0.327	0.316	3.4	101	0.00
65 PM	Chlorobenzene	1.103	1.152	-4.4	109	0.00
66 T	1,1,1,2-Tetrachloroethane	0.352	0.372	-5.7	106	0.00
67 C	Ethyl Benzene	1.913	2.034	-6.3#	108	0.00
68 T	m/p-Xylenes	0.735	0.786	-6.9	108	0.00
69 T	o-Xylene	0.681	0.751	-10.3	110	0.00
70 T	Styrene	1.177	1.279	-8.7	106	0.00
71 P	Bromoform	0.210	0.216	-2.9	99	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73 T	Isopropylbenzene	3.803	4.171	-9.7	106	0.00
74 T	N-amyl acetate	1.025	1.197	-16.8	107	0.00
75 P	1,1,2,2-Tetrachloroethane	0.844	0.921	-9.1	104	0.00
76 T	1,2,3-Trichloropropane	0.646	0.695	-7.6	101	0.00
77 T	Bromobenzene	0.848	0.907	-7.0	110	0.00
78 T	n-propylbenzene	4.554	5.040	-10.7	108	0.00
79 T	2-Chlorotoluene	2.743	3.159	-15.2	112	0.00
80 T	1,3,5-Trimethylbenzene	3.148	3.550	-12.8	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.277	0.312	-12.6	102	0.00
82 T	4-Chlorotoluene	2.879	3.227	-12.1	109	0.00
83 T	tert-Butylbenzene	2.697	3.063	-13.6	112	0.00
84 T	1,2,4-Trimethylbenzene	3.190	3.617	-13.4	110	0.00
85 T	sec-Butylbenzene	4.048	4.463	-10.3	107	0.00
86 T	p-Isopropyltoluene	3.336	3.617	-8.4	105	0.00
87 T	1,3-Dichlorobenzene	1.701	1.869	-9.9	108	0.00
88 T	1,4-Dichlorobenzene	1.741	1.813	-4.1	101	0.00
89 T	n-Butylbenzene	3.241	3.591	-10.8	108	0.00
90 T	Hexachloroethane	0.602	0.650	-8.0	105	0.00
91 T	1,2-Dichlorobenzene	1.555	1.670	-7.4	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.165	0.166	-0.6	95	0.00
93 T	1,2,4-Trichlorobenzene	0.959	0.982	-2.4	100	0.00
94 T	Hexachlorobutadiene	0.463	0.466	-0.6	107	0.00
95 T	Naphthalene	2.351	2.557	-8.8	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031836.D
Acq On : 14 Jul 2025 09:17
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	0.881	0.953	-8.2	105	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031836.D
 Acq On : 14 Jul 2025 09:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 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	102	0.00
2 T	Dichlorodifluoromethane	50.000	41.132	17.7	92	0.00
3 P	Chloromethane	50.000	46.044	7.9	102	0.00
4 C	Vinyl Chloride	50.000	49.178	1.6#	105	0.00
5 T	Bromomethane	50.000	47.511	5.0	103	0.00
6 T	Chloroethane	50.000	48.812	2.4	105	0.00
7 T	Trichlorofluoromethane	50.000	46.535	6.9	99	0.00
8 T	Diethyl Ether	50.000	52.568	-5.1	112	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.037	1.9	107	0.00
10 T	Methyl Iodide	50.000	46.850	6.3	98	-0.01
11 T	Tert butyl alcohol	250.000	234.834	6.1	91	0.01
12 CM	1,1-Dichloroethene	50.000	49.420	1.2#	108	0.00
13 T	Acrolein	250.000	204.345	18.3	80	0.00
14 T	Allyl chloride	50.000	52.285	-4.6	109	0.00
15 T	Acrylonitrile	250.000	247.845	0.9	97	0.00
16 T	Acetone	250.000	205.003	18.0	91	0.00
17 T	Carbon Disulfide	50.000	46.646	6.7	98	0.00
18 T	Methyl Acetate	50.000	52.667	-5.3	103	0.00
19 T	Methyl tert-butyl Ether	50.000	55.794	-11.6	111	0.00
20 T	Methylene Chloride	50.000	53.404	-6.8	110	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.126	-0.3	105	0.00
22 T	Diisopropyl ether	50.000	56.229	-12.5	114	0.00
23 T	Vinyl Acetate	250.000	266.040	-6.4	105	0.00
24 P	1,1-Dichloroethane	50.000	52.462	-4.9	111	0.00
25 T	2-Butanone	250.000	247.209	1.1	93	0.00
26 T	2,2-Dichloropropane	50.000	49.055	1.9	103	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.359	-8.7	112	0.00
28 T	Bromochloromethane	50.000	53.046	-6.1	109	0.00
29 T	Tetrahydrofuran	250.000	249.693	0.1	96	0.00
30 C	Chloroform	50.000	53.231	-6.5#	110	0.00
31 T	Cyclohexane	50.000	47.976	4.0	106	0.00
32 T	1,1,1-Trichloroethane	50.000	50.605	-1.2	105	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.957	0.1	102	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	101	0.00
35 S	Dibromofluoromethane	50.000	50.884	-1.8	103	0.00
36 T	1,1-Dichloropropene	50.000	52.050	-4.1	109	0.00
37 T	Ethyl Acetate	50.000	50.129	-0.3	100	0.00
38 T	Carbon Tetrachloride	50.000	50.500	-1.0	106	0.00
39 T	Methylcyclohexane	50.000	50.768	-1.5	106	0.00
40 TM	Benzene	50.000	53.424	-6.8	109	0.00
41 T	Methacrylonitrile	50.000	52.550	-5.1	97	0.00
42 TM	1,2-Dichloroethane	50.000	53.407	-6.8	110	0.00
43 T	Isopropyl Acetate	50.000	52.713	-5.4	102	0.00
44 TM	Trichloroethene	50.000	51.032	-2.1	104	0.00
45 C	1,2-Dichloropropane	50.000	54.772	-9.5#	113	0.00
46 T	Dibromomethane	50.000	53.148	-6.3	107	0.00
47 T	Bromodichloromethane	50.000	54.479	-9.0	110	0.00
48 T	Methyl methacrylate	50.000	53.191	-6.4	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031836.D
 Acq On : 14 Jul 2025 09:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 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	989.318	1.1	100	0.00
50 S	Toluene-d8	50.000	50.556	-1.1	102	0.00
51 T	4-Methyl-2-Pentanone	250.000	259.792	-3.9	99	0.00
52 CM	Toluene	50.000	53.951	-7.9#	111	0.00
53 T	t-1,3-Dichloropropene	50.000	55.997	-12.0	109	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.048	-12.1	112	0.00
55 T	1,1,2-Trichloroethane	50.000	53.895	-7.8	109	0.00
56 T	Ethyl methacrylate	50.000	57.487	-15.0	109	0.00
57 T	1,3-Dichloropropane	50.000	54.390	-8.8	112	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	260.532	-4.2	100	0.00
59 T	2-Hexanone	250.000	263.418	-5.4	97	0.00
60 T	Dibromochloromethane	50.000	54.520	-9.0	107	0.00
61 T	1,2-Dibromoethane	50.000	52.269	-4.5	104	0.00
62 S	4-Bromofluorobenzene	50.000	52.159	-4.3	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	100	0.00
64 T	Tetrachloroethene	50.000	48.361	3.3	101	0.00
65 PM	Chlorobenzene	50.000	52.207	-4.4	109	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	52.880	-5.8	106	0.00
67 C	Ethyl Benzene	50.000	53.161	-6.3#	108	0.00
68 T	m/p-Xylenes	100.000	106.930	-6.9	108	0.00
69 T	o-Xylene	50.000	55.153	-10.3	110	0.00
70 T	Styrene	50.000	54.348	-8.7	106	0.00
71 P	Bromoform	50.000	51.612	-3.2	99	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73 T	Isopropylbenzene	50.000	54.837	-9.7	106	0.00
74 T	N-ethyl acetate	50.000	58.389	-16.8	107	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	54.511	-9.0	104	0.00
76 T	1,2,3-Trichloropropane	50.000	53.802	-7.6	101	0.00
77 T	Bromobenzene	50.000	53.439	-6.9	110	0.00
78 T	n-propylbenzene	50.000	55.335	-10.7	108	0.00
79 T	2-Chlorotoluene	50.000	57.600	-15.2	112	0.00
80 T	1,3,5-Trimethylbenzene	50.000	56.384	-12.8	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	56.239	-12.5	102	0.00
82 T	4-Chlorotoluene	50.000	56.037	-12.1	109	0.00
83 T	tert-Butylbenzene	50.000	56.796	-13.6	112	0.00
84 T	1,2,4-Trimethylbenzene	50.000	56.696	-13.4	110	0.00
85 T	sec-Butylbenzene	50.000	55.125	-10.3	107	0.00
86 T	p-Isopropyltoluene	50.000	54.212	-8.4	105	0.00
87 T	1,3-Dichlorobenzene	50.000	54.933	-9.9	108	0.00
88 T	1,4-Dichlorobenzene	50.000	52.075	-4.2	101	0.00
89 T	n-Butylbenzene	50.000	55.390	-10.8	108	0.00
90 T	Hexachloroethane	50.000	53.979	-8.0	105	0.00
91 T	1,2-Dichlorobenzene	50.000	53.691	-7.4	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.415	-0.8	95	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.224	-2.4	100	0.00
94 T	Hexachlorobutadiene	50.000	50.310	-0.6	107	0.00
95 T	Naphthalene	50.000	54.377	-8.8	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031836.D
Acq On : 14 Jul 2025 09:17
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTDCCC050

Quant Time: Jul 15 02:38:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 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	54.088	-8.2	105	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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2503</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>07/03/2025 08:19</u>
Lab File ID:	<u>VX046869.D</u>	Init. Calib. Date(s):	<u>07/02/2025 07/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:11 14:31</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.478	0.537		12.34	20
Chloromethane	0.522	0.558	0.1	6.9	20
Vinyl Chloride	0.569	0.604		6.15	20
Bromomethane	0.366	0.389		6.28	20
Chloroethane	0.376	0.375		-0.27	20
Trichlorofluoromethane	0.880	0.928		5.45	20
1,1,2-Trichlorotrifluoroethane	0.561	0.587		4.64	20
1,1-Dichloroethene	0.542	0.555		2.4	20
Acetone	0.205	0.211		2.93	20
Carbon Disulfide	1.422	1.427		0.35	20
Methyl tert-butyl Ether	1.531	1.544		0.85	20
Methyl Acetate	0.541	0.539		-0.37	20
Methylene Chloride	0.607	0.613		0.99	20
trans-1,2-Dichloroethene	0.555	0.565		1.8	20
1,1-Dichloroethane	1.064	1.066	0.1	0.19	20
Cyclohexane	0.944	0.920		-2.54	20
2-Butanone	0.274	0.255		-6.93	20
Carbon Tetrachloride	0.484	0.485		0.21	20
cis-1,2-Dichloroethene	0.677	0.672		-0.74	20
Bromochloromethane	0.525	0.520		-0.95	20
Chloroform	1.087	1.054		-3.04	20
1,1,1-Trichloroethane	0.908	0.890		-1.98	20
Methylcyclohexane	0.573	0.568		-0.87	20
Benzene	1.385	1.373		-0.87	20
1,2-Dichloroethane	0.470	0.464		-1.28	20
Trichloroethene	0.361	0.350		-3.05	20
1,2-Dichloropropane	0.350	0.343		-2	20
Bromodichloromethane	0.518	0.510		-1.54	20
4-Methyl-2-Pentanone	0.353	0.332		-5.95	20
Toluene	0.858	0.841		-1.98	20
t-1,3-Dichloropropene	0.462	0.460		-0.43	20
cis-1,3-Dichloropropene	0.527	0.530		0.57	20
1,1,2-Trichloroethane	0.320	0.308		-3.75	20
2-Hexanone	0.234	0.224		-4.27	20
Dibromochloromethane	0.383	0.374		-2.35	20
1,2-Dibromoethane	0.321	0.309		-3.74	20
Tetrachloroethene	0.333	0.324		-2.7	20
Chlorobenzene	1.081	1.046	0.3	-3.24	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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2503</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>07/03/2025 08:19</u>
Lab File ID:	<u>VX046869.D</u>	Init. Calib. Date(s):	<u>07/02/2025 07/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:11 14:31</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.851	1.835		-0.86	20
m/p-Xylenes	0.698	0.690		-1.15	20
o-Xylene	0.674	0.666		-1.19	20
Styrene	1.153	1.148		-0.43	20
Bromoform	0.270	0.264	0.1	-2.22	20
Isopropylbenzene	3.515	3.558		1.22	20
1,1,2,2-Tetrachloroethane	0.966	0.901	0.3	-6.73	20
1,3-Dichlorobenzene	1.637	1.599		-2.32	20
1,4-Dichlorobenzene	1.704	1.592		-6.57	20
1,2-Dichlorobenzene	1.587	1.508		-4.98	20
1,2-Dibromo-3-Chloropropane	0.169	0.156		-7.69	20
1,2,4-Trichlorobenzene	1.078	1.054		-2.23	20
1,2,3-Trichlorobenzene	1.019	0.991		-2.75	20
1,2-Dichloroethane-d4	0.661	0.644		-2.57	20
Dibromofluoromethane	0.339	0.351		3.54	20
Toluene-d8	1.197	1.191		-0.5	20
4-Bromofluorobenzene	0.455	0.447		-1.76	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_X\Data\VX070325\
 Data File : VX046869.D
 Acq On : 03 Jul 2025 08:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2025
 Supervised By : Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:22:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	416385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	663948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	582621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	287854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	268159	48.749	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.500%		
35) Dibromofluoromethane	5.391	113	233072	51.715	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.420%		
50) Toluene-d8	8.647	98	790622	49.721	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.440%		
62) 4-Bromofluorobenzene	11.079	95	297077	49.157	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.320%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	223770	56.194	ug/l	98
3) Chloromethane	1.307	50	232406	53.418	ug/l	97
4) Vinyl Chloride	1.386	62	251664	53.117	ug/l	97
5) Bromomethane	1.624	94	161842	53.164	ug/l	98
6) Chloroethane	1.703	64	156188	49.924	ug/l	98
7) Trichlorofluoromethane	1.904	101	386398	52.745	ug/l	98
8) Diethyl Ether	2.142	74	134606	51.632	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	244471	52.371	ug/l	99
10) Methyl Iodide	2.465	142	268151	52.727	ug/l	99
11) Tert butyl alcohol	2.947	59	80926	224.312	ug/l	100
12) 1,1-Dichloroethene	2.337	96	230895	51.138	ug/l	97
13) Acrolein	2.246	56	107635	269.765	ug/l	100
14) Allyl chloride	2.678	41	407774	50.727	ug/l	99
15) Acrylonitrile	3.069	53	506424	242.788	ug/l	99
16) Acetone	2.380	43	438299	256.513	ug/l	97
17) Carbon Disulfide	2.526	76	594052	50.169	ug/l	99
18) Methyl Acetate	2.709	43	224225	49.787	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	643059	50.434	ug/l	98
20) Methylene Chloride	2.800	84	255314	50.531	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	235323	50.934	ug/l	98
22) Diisopropyl ether	3.764	45	800256	51.529	ug/l	97
23) Vinyl Acetate	3.727	43	2938553	252.563	ug/l	100
24) 1,1-Dichloroethane	3.617	63	443818	50.109	ug/l	98
25) 2-Butanone	4.556	43	531674	233.222	ug/l	99
26) 2,2-Dichloropropane	4.483	77	328171	49.785	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	279872	49.615	ug/l	99
28) Bromochloromethane	4.904	49	216349	49.494	ug/l	99
29) Tetrahydrofuran	5.007	42	338924	233.223	ug/l	99
30) Chloroform	5.099	83	438996	48.515	ug/l	99
31) Cyclohexane	5.477	56	382912	48.698	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	370625	49.025	ug/l	99
36) 1,1-Dichloropropene	5.696	75	298025	49.011	ug/l	99
37) Ethyl Acetate	4.715	43	228731	44.164	ug/l	99
38) Carbon Tetrachloride	5.684	117	322149	50.111	ug/l	99
39) Methylcyclohexane	7.379	83	377242	49.595	ug/l	98
40) Benzene	6.044	78	911859	49.578	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046869.D
 Acq On : 03 Jul 2025 08:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2025
 Supervised By : Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:22:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	146617	53.069	ug/l	97
42) 1,2-Dichloroethane	6.092	62	307803	49.285	ug/l	99
43) Isopropyl Acetate	6.336	43	391699	49.377	ug/l	99
44) Trichloroethene	7.123	130	232324	48.525	ug/l	100
45) 1,2-Dichloropropane	7.428	63	227723	49.006	ug/l	97
46) Dibromomethane	7.580	93	154969	48.133	ug/l	98
47) Bromodichloromethane	7.818	83	338904	49.297	ug/l	97
48) Methyl methacrylate	7.690	41	203191	49.606	ug/l	99
49) 1,4-Dioxane	7.659	88	46162	972.626	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	1101047	235.179	ug/l	100
52) Toluene	8.714	92	558370	48.992	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	305488	49.792	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	351836	50.240	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	204472	48.166	ug/l	98
56) Ethyl methacrylate	9.110	69	287813	48.984	ug/l	99
57) 1,3-Dichloropropane	9.305	76	351147	48.038	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	861768	260.305	ug/l	100
59) 2-Hexanone	9.427	43	744805	239.843	ug/l	99
60) Dibromochloromethane	9.519	129	248143	48.844	ug/l	98
61) 1,2-Dibromoethane	9.604	107	205122	48.112	ug/l	100
64) Tetrachloroethene	9.269	164	188971	48.715	ug/l	93
65) Chlorobenzene	10.073	112	609150	48.359	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	210490	49.708	ug/l	100
67) Ethyl Benzene	10.189	91	1069097	49.560	ug/l	100
68) m/p-Xylenes	10.299	106	804090	98.920	ug/l	100
69) o-Xylene	10.640	106	387802	49.389	ug/l	98
70) Styrene	10.653	104	668591	49.769	ug/l	99
71) Bromoform	10.793	173	153922	48.887	ug/l #	100
73) Isopropylbenzene	10.957	105	1024195	50.614	ug/l	100
74) N-amyl acetate	10.842	43	335560	48.800	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	259488	46.635	ug/l	100
76) 1,2,3-Trichloropropane	11.232	75	216945m	48.776	ug/l	
77) Bromobenzene	11.195	156	247421	49.088	ug/l	99
78) n-propylbenzene	11.299	91	1212749	49.703	ug/l	100
79) 2-Chlorotoluene	11.360	91	700526	48.623	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	825975	50.235	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.012	75	79854	48.179	ug/l #	95
82) 4-Chlorotoluene	11.451	91	824470	49.590	ug/l	100
83) tert-Butylbenzene	11.713	119	855537	50.379	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	835526	50.275	ug/l	97
85) sec-Butylbenzene	11.884	105	1061754	49.589	ug/l	100
86) p-Isopropyltoluene	12.006	119	892126	49.756	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	460220	48.822	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	458294	46.714	ug/l	99
89) n-Butylbenzene	12.329	91	834911	49.557	ug/l	100
90) Hexachloroethane	12.536	117	157858	49.664	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	434008	47.511	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44929	46.166	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	303352	48.882	ug/l	100
94) Hexachlorobutadiene	13.719	225	115868	49.508	ug/l	99
95) Naphthalene	13.774	128	814689	49.820	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	285145	48.629	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046869.D
Acq On : 03 Jul 2025 08:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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

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

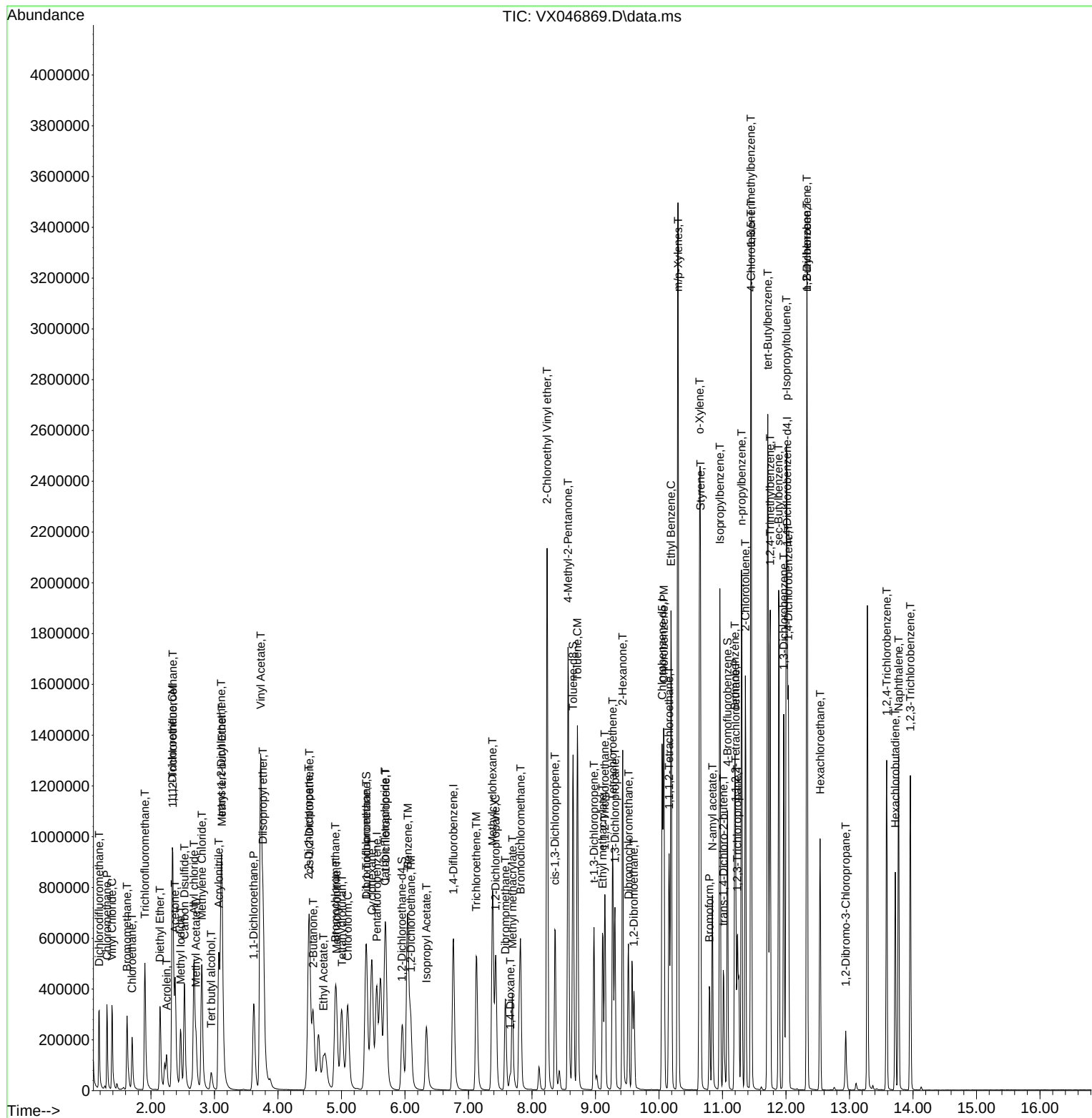
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	113	0.00
2 T	Dichlorodifluoromethane	0.478	0.537	-12.3	125	0.00
3 P	Chloromethane	0.522	0.558	-6.9	124	0.00
4 C	Vinyl Chloride	0.569	0.604	-6.2#	124	0.00
5 T	Bromomethane	0.366	0.389	-6.3	122	0.00
6 T	Chloroethane	0.376	0.375	0.3	122	0.00
7 T	Trichlorofluoromethane	0.880	0.928	-5.5	122	0.00
8 T	Diethyl Ether	0.313	0.323	-3.2	120	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.561	0.587	-4.6	121	0.00
10 T	Methyl Iodide	0.611	0.644	-5.4	115	0.00
11 T	Tert butyl alcohol	0.043	0.039	9.3	104	0.00
12 CM	1,1-Dichloroethene	0.542	0.555	-2.4#	120	0.00
13 T	Acrolein	0.052	0.052	0.0	128	0.00
14 T	Allyl chloride	0.965	0.979	-1.5	117	0.00
15 T	Acrylonitrile	0.250	0.243	2.8	112	0.00
16 T	Acetone	0.205	0.211	-2.9	123	0.00
17 T	Carbon Disulfide	1.422	1.427	-0.4	120	0.00
18 T	Methyl Acetate	0.541	0.539	0.4	110	0.00
19 T	Methyl tert-butyl Ether	1.531	1.544	-0.8	114	0.00
20 T	Methylene Chloride	0.607	0.613	-1.0	119	0.00
21 T	trans-1,2-Dichloroethene	0.555	0.565	-1.8	118	0.00
22 T	Diisopropyl ether	1.865	1.922	-3.1	114	0.00
23 T	Vinyl Acetate	1.397	1.411	-1.0	112	0.00
24 P	1,1-Dichloroethane	1.064	1.066	-0.2	116	0.00
25 T	2-Butanone	0.274	0.255	6.9	105	0.00
26 T	2,2-Dichloropropane	0.792	0.788	0.5	117	0.00
27 T	cis-1,2-Dichloroethene	0.677	0.672	0.7	115	0.00
28 T	Bromochloromethane	0.525	0.520	1.0	111	0.00
29 T	Tetrahydrofuran	0.175	0.163	6.9	105	0.00
30 C	Chloroform	1.087	1.054	3.0#	114	0.00
31 T	Cyclohexane	0.944	0.920	2.5	113	0.00
32 T	1,1,1-Trichloroethane	0.908	0.890	2.0	114	0.00
33 S	1,2-Dichloroethane-d4	0.661	0.644	2.6	113	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	110	0.00
35 S	Dibromofluoromethane	0.339	0.351	-3.5	114	0.00
36 T	1,1-Dichloropropene	0.458	0.449	2.0	113	0.00
37 T	Ethyl Acetate	0.390	0.345	11.5	106	0.00
38 T	Carbon Tetrachloride	0.484	0.485	-0.2	113	0.00
39 T	Methylcyclohexane	0.573	0.568	0.9	111	0.00
40 TM	Benzene	1.385	1.373	0.9	112	0.00
41 T	Methacrylonitrile	0.208	0.221	-6.3	115	0.00
42 TM	1,2-Dichloroethane	0.470	0.464	1.3	111	0.00
43 T	Isopropyl Acetate	0.597	0.590	1.2	105	0.00
44 TM	Trichloroethene	0.361	0.350	3.0	112	0.00
45 C	1,2-Dichloropropane	0.350	0.343	2.0#	110	0.00
46 T	Dibromomethane	0.242	0.233	3.7	108	0.00
47 T	Bromodichloromethane	0.518	0.510	1.5	111	0.00
48 T	Methyl methacrylate	0.308	0.306	0.6	105	0.00

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 LabSampleId :
 VSTDCCC050

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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	0.004	0.003	25.0	106	0.00
50 S	Toluene-d8	1.197	1.191	0.5	110	0.00
51 T	4-Methyl-2-Pentanone	0.353	0.332	5.9	100	0.00
52 CM	Toluene	0.858	0.841	2.0#	110	0.00
53 T	t-1,3-Dichloropropene	0.462	0.460	0.4	108	0.00
54 T	cis-1,3-Dichloropropene	0.527	0.530	-0.6	110	0.00
55 T	1,1,2-Trichloroethane	0.320	0.308	3.8	107	0.00
56 T	Ethyl methacrylate	0.442	0.433	2.0	104	0.00
57 T	1,3-Dichloropropane	0.550	0.529	3.8	108	0.00
58 T	2-Chloroethyl Vinyl ether	0.249	0.260	-4.4	107	0.00
59 T	2-Hexanone	0.234	0.224	4.3	100	0.00
60 T	Dibromochloromethane	0.383	0.374	2.3	110	0.00
61 T	1,2-Dibromoethane	0.321	0.309	3.7	107	0.00
62 S	4-Bromofluorobenzene	0.455	0.447	1.8	109	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	108	0.00
64 T	Tetrachloroethene	0.333	0.324	2.7	111	0.00
65 PM	Chlorobenzene	1.081	1.046	3.2	108	0.00
66 T	1,1,1,2-Tetrachloroethane	0.363	0.361	0.6	109	0.00
67 C	Ethyl Benzene	1.851	1.835	0.9#	108	0.00
68 T	m/p-Xylenes	0.698	0.690	1.1	108	0.00
69 T	o-Xylene	0.674	0.666	1.2	108	0.00
70 T	Styrene	1.153	1.148	0.4	105	0.00
71 P	Bromoform	0.270	0.264	2.2	106	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00
73 T	Isopropylbenzene	3.515	3.558	-1.2	107	0.00
74 T	N-amyl acetate	1.194	1.166	2.3	99	0.00
75 P	1,1,2,2-Tetrachloroethane	0.966	0.901	6.7	101	0.00
76 T	1,2,3-Trichloropropane	0.773	0.754	2.5	103	0.00
77 T	Bromobenzene	0.875	0.860	1.7	106	0.00
78 T	n-propylbenzene	4.238	4.213	0.6	106	0.00
79 T	2-Chlorotoluene	2.503	2.434	2.8	106	0.00
80 T	1,3,5-Trimethylbenzene	2.856	2.869	-0.5	106	0.00
81 T	trans-1,4-Dichloro-2-butene	0.288	0.277	3.8	103	0.00
82 T	4-Chlorotoluene	2.888	2.864	0.8	106	0.00
83 T	tert-Butylbenzene	2.950	2.972	-0.7	106	0.00
84 T	1,2,4-Trimethylbenzene	2.887	2.903	-0.6	106	0.00
85 T	sec-Butylbenzene	3.719	3.689	0.8	105	0.00
86 T	p-Isopropyltoluene	3.114	3.099	0.5	106	0.00
87 T	1,3-Dichlorobenzene	1.637	1.599	2.3	106	0.00
88 T	1,4-Dichlorobenzene	1.704	1.592	6.6	105	0.00
89 T	n-Butylbenzene	2.926	2.900	0.9	105	0.00
90 T	Hexachloroethane	0.552	0.548	0.7	107	0.00
91 T	1,2-Dichlorobenzene	1.587	1.508	5.0	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.169	0.156	7.7	99	0.00
93 T	1,2,4-Trichlorobenzene	1.078	1.054	2.2	105	0.00
94 T	Hexachlorobutadiene	0.407	0.403	1.0	106	0.00
95 T	Naphthalene	2.840	2.830	0.4	101	0.00

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
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LabSampleId :
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.019	0.991	2.7	102	0.00

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

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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	113	0.00
2 T	Dichlorodifluoromethane	50.000	56.194	-12.4	125	0.00
3 P	Chloromethane	50.000	53.418	-6.8	124	0.00
4 C	Vinyl Chloride	50.000	53.117	-6.2#	124	0.00
5 T	Bromomethane	50.000	53.164	-6.3	122	0.00
6 T	Chloroethane	50.000	49.924	0.2	122	0.00
7 T	Trichlorofluoromethane	50.000	52.745	-5.5	122	0.00
8 T	Diethyl Ether	50.000	51.632	-3.3	120	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.371	-4.7	121	0.00
10 T	Methyl Iodide	50.000	52.727	-5.5	115	0.00
11 T	Tert butyl alcohol	250.000	224.312	10.3	104	0.00
12 CM	1,1-Dichloroethene	50.000	51.138	-2.3#	120	0.00
13 T	Acrolein	250.000	269.765	-7.9	128	0.00
14 T	Allyl chloride	50.000	50.727	-1.5	117	0.00
15 T	Acrylonitrile	250.000	242.788	2.9	112	0.00
16 T	Acetone	250.000	256.513	-2.6	123	0.00
17 T	Carbon Disulfide	50.000	50.169	-0.3	120	0.00
18 T	Methyl Acetate	50.000	49.787	0.4	110	0.00
19 T	Methyl tert-butyl Ether	50.000	50.434	-0.9	114	0.00
20 T	Methylene Chloride	50.000	50.531	-1.1	119	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.934	-1.9	118	0.00
22 T	Diisopropyl ether	50.000	51.529	-3.1	114	0.00
23 T	Vinyl Acetate	250.000	252.563	-1.0	112	0.00
24 P	1,1-Dichloroethane	50.000	50.109	-0.2	116	0.00
25 T	2-Butanone	250.000	233.222	6.7	105	0.00
26 T	2,2-Dichloropropane	50.000	49.785	0.4	117	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.615	0.8	115	0.00
28 T	Bromochloromethane	50.000	49.494	1.0	111	0.00
29 T	Tetrahydrofuran	250.000	233.223	6.7	105	0.00
30 C	Chloroform	50.000	48.515	3.0#	114	0.00
31 T	Cyclohexane	50.000	48.698	2.6	113	0.00
32 T	1,1,1-Trichloroethane	50.000	49.025	2.0	114	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.749	2.5	113	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	110	0.00
35 S	Dibromofluoromethane	50.000	51.715	-3.4	114	0.00
36 T	1,1-Dichloropropene	50.000	49.011	2.0	113	0.00
37 T	Ethyl Acetate	50.000	44.164	11.7	106	0.00
38 T	Carbon Tetrachloride	50.000	50.111	-0.2	113	0.00
39 T	Methylcyclohexane	50.000	49.595	0.8	111	0.00
40 TM	Benzene	50.000	49.578	0.8	112	0.00
41 T	Methacrylonitrile	50.000	53.069	-6.1	115	0.00
42 TM	1,2-Dichloroethane	50.000	49.285	1.4	111	0.00
43 T	Isopropyl Acetate	50.000	49.377	1.2	105	0.00
44 TM	Trichloroethene	50.000	48.525	3.0	112	0.00
45 C	1,2-Dichloropropane	50.000	49.006	2.0#	110	0.00
46 T	Dibromomethane	50.000	48.133	3.7	108	0.00
47 T	Bromodichloromethane	50.000	49.297	1.4	111	0.00
48 T	Methyl methacrylate	50.000	49.606	0.8	105	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	972.626	2.7	106	0.00
50 S	Toluene-d8	50.000	49.721	0.6	110	0.00
51 T	4-Methyl-2-Pentanone	250.000	235.179	5.9	100	0.00
52 CM	Toluene	50.000	48.992	2.0#	110	0.00
53 T	t-1,3-Dichloropropene	50.000	49.792	0.4	108	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.240	-0.5	110	0.00
55 T	1,1,2-Trichloroethane	50.000	48.166	3.7	107	0.00
56 T	Ethyl methacrylate	50.000	48.984	2.0	104	0.00
57 T	1,3-Dichloropropane	50.000	48.038	3.9	108	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	260.305	-4.1	107	0.00
59 T	2-Hexanone	250.000	239.843	4.1	100	0.00
60 T	Dibromochloromethane	50.000	48.844	2.3	110	0.00
61 T	1,2-Dibromoethane	50.000	48.112	3.8	107	0.00
62 S	4-Bromofluorobenzene	50.000	49.157	1.7	109	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	108	0.00
64 T	Tetrachloroethene	50.000	48.715	2.6	111	0.00
65 PM	Chlorobenzene	50.000	48.359	3.3	108	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.708	0.6	109	0.00
67 C	Ethyl Benzene	50.000	49.560	0.9#	108	0.00
68 T	m/p-Xylenes	100.000	98.920	1.1	108	0.00
69 T	o-Xylene	50.000	49.389	1.2	108	0.00
70 T	Styrene	50.000	49.769	0.5	105	0.00
71 P	Bromoform	50.000	48.887	2.2	106	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	108	0.00
73 T	Isopropylbenzene	50.000	50.614	-1.2	107	0.00
74 T	N-ethyl acetate	50.000	48.800	2.4	99	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.635	6.7	101	0.00
76 T	1,2,3-Trichloropropane	50.000	48.776	2.4	103	0.00
77 T	Bromobenzene	50.000	49.088	1.8	106	0.00
78 T	n-propylbenzene	50.000	49.703	0.6	106	0.00
79 T	2-Chlorotoluene	50.000	48.623	2.8	106	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.235	-0.5	106	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.179	3.6	103	0.00
82 T	4-Chlorotoluene	50.000	49.590	0.8	106	0.00
83 T	tert-Butylbenzene	50.000	50.379	-0.8	106	0.00
84 T	1,2,4-Trimethylbenzene	50.000	50.275	-0.5	106	0.00
85 T	sec-Butylbenzene	50.000	49.589	0.8	105	0.00
86 T	p-Isopropyltoluene	50.000	49.756	0.5	106	0.00
87 T	1,3-Dichlorobenzene	50.000	48.822	2.4	106	0.00
88 T	1,4-Dichlorobenzene	50.000	46.714	6.6	105	0.00
89 T	n-Butylbenzene	50.000	49.557	0.9	105	0.00
90 T	Hexachloroethane	50.000	49.664	0.7	107	0.00
91 T	1,2-Dichlorobenzene	50.000	47.511	5.0	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	46.166	7.7	99	0.00
93 T	1,2,4-Trichlorobenzene	50.000	48.882	2.2	105	0.00
94 T	Hexachlorobutadiene	50.000	49.508	1.0	106	0.00
95 T	Naphthalene	50.000	49.820	0.4	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046869.D
Acq On : 03 Jul 2025 08:19
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 04 01:22:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	48.629	2.7	102	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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2503</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>07/15/2025 10:18</u>
Lab File ID:	<u>VX046988.D</u>	Init. Calib. Date(s):	<u>07/02/2025 07/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:11 14:31</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.478	0.457		-4.39	20
Chloromethane	0.522	0.484	0.1	-7.28	20
Vinyl Chloride	0.569	0.540		-5.1	20
Bromomethane	0.366	0.346		-5.46	20
Chloroethane	0.376	0.358		-4.79	20
Trichlorofluoromethane	0.880	0.905		2.84	20
1,1,2-Trichlorotrifluoroethane	0.561	0.585		4.28	20
1,1-Dichloroethene	0.542	0.545		0.55	20
Acetone	0.205	0.242		18.05	20
Carbon Disulfide	1.422	1.192		-16.17	20
Methyl tert-butyl Ether	1.531	1.922		25.54	20
Methyl Acetate	0.541	0.836		54.53	20
Methylene Chloride	0.607	0.637		4.94	20
trans-1,2-Dichloroethene	0.555	0.563		1.44	20
1,1-Dichloroethane	1.064	1.145	0.1	7.61	20
Cyclohexane	0.944	0.923		-2.22	20
2-Butanone	0.274	0.372		35.77	20
Carbon Tetrachloride	0.484	0.508		4.96	20
cis-1,2-Dichloroethene	0.677	0.722		6.65	20
Bromochloromethane	0.525	0.546		4	20
Chloroform	1.087	1.183		8.83	20
1,1,1-Trichloroethane	0.908	0.989		8.92	20
Methylcyclohexane	0.573	0.552		-3.66	20
Benzene	1.385	1.417		2.31	20
1,2-Dichloroethane	0.470	0.511		8.72	20
Trichloroethene	0.361	0.358		-0.83	20
1,2-Dichloropropane	0.350	0.374		6.86	20
Bromodichloromethane	0.518	0.557		7.53	20
4-Methyl-2-Pentanone	0.353	0.470		33.14	20
Toluene	0.858	0.884		3.03	20
t-1,3-Dichloropropene	0.462	0.537		16.23	20
cis-1,3-Dichloropropene	0.527	0.596		13.09	20
1,1,2-Trichloroethane	0.320	0.355		10.94	20
2-Hexanone	0.234	0.325		38.89	20
Dibromochloromethane	0.383	0.420		9.66	20
1,2-Dibromoethane	0.321	0.356		10.9	20
Tetrachloroethene	0.333	0.318		-4.51	20
Chlorobenzene	1.081	1.126	0.3	4.16	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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2503</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>07/15/2025 10:18</u>
Lab File ID:	<u>VX046988.D</u>	Init. Calib. Date(s):	<u>07/02/2025 07/02/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:11 14:31</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.851	1.966		6.21	20
m/p-Xylenes	0.698	0.733		5.01	20
o-Xylene	0.674	0.717		6.38	20
Styrene	1.153	1.250		8.41	20
Bromoform	0.270	0.304	0.1	12.59	20
Isopropylbenzene	3.515	3.870		10.1	20
1,1,2,2-Tetrachloroethane	0.966	1.147	0.3	18.74	20
1,3-Dichlorobenzene	1.637	1.748		6.78	20
1,4-Dichlorobenzene	1.704	1.748		2.58	20
1,2-Dichlorobenzene	1.587	1.685		6.18	20
1,2-Dibromo-3-Chloropropane	0.169	0.226		33.73	20
1,2,4-Trichlorobenzene	1.078	1.174		8.9	20
1,2,3-Trichlorobenzene	1.019	1.128		10.7	20
1,2-Dichloroethane-d4	0.661	0.719		8.77	20
Dibromofluoromethane	0.339	0.359		5.9	20
Toluene-d8	1.197	1.212		1.25	20
4-Bromofluorobenzene	0.455	0.485		6.59	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_X\Data\VX071525\
 Data File : VX046988.D
 Acq On : 15 Jul 2025 10:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/16/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:20:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	298555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	499158	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	217822	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	214513	54.387	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.780%	
35) Dibromofluoromethane	5.391	113	178999	52.829	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.660%	
50) Toluene-d8	8.647	98	605167	50.622	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	11.079	95	242088	53.283	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.560%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	136314	47.742	ug/l	98
3) Chloromethane	1.306	50	144424	46.297	ug/l	100
4) Vinyl Chloride	1.386	62	161197	47.451	ug/l	98
5) Bromomethane	1.617	94	103355	47.351	ug/l	99
6) Chloroethane	1.703	64	107013	47.706	ug/l	98
7) Trichlorofluoromethane	1.904	101	270152	51.431	ug/l	99
8) Diethyl Ether	2.148	74	102078	54.608	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	174645	52.178	ug/l	99
10) Methyl Iodide	2.465	142	172384	47.274	ug/l	96
11) Tert butyl alcohol	2.959	59	105764	408.859	ug/l	99
12) 1,1-Dichloroethene	2.337	96	162804	50.288	ug/l	97
13) Acrolein	2.251	56	81952	286.283	ug/l	98
14) Allyl chloride	2.678	41	315442	54.728	ug/l	99
15) Acrylonitrile	3.068	53	467316	312.460	ug/l	99
16) Acetone	2.386	43	361327	294.924	ug/l	100
17) Carbon Disulfide	2.526	76	355879	41.917	ug/l	100
18) Methyl Acetate	2.715	43	249699	77.325	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	573793	62.763	ug/l	98
20) Methylene Chloride	2.800	84	190145	52.485	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	167974	50.706	ug/l	98
22) Diisopropyl ether	3.769	45	649158	58.297	ug/l	96
23) Vinyl Acetate	3.727	43	2500248	299.702	ug/l	99
24) 1,1-Dichloroethane	3.623	63	341985	53.850	ug/l	99
25) 2-Butanone	4.556	43	555541	339.868	ug/l	99
26) 2,2-Dichloropropane	4.483	77	269784	57.081	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	215597	53.305	ug/l	98
28) Bromochloromethane	4.903	49	162990	52.003	ug/l	96
29) Tetrahydrofuran	5.007	42	357784	343.369	ug/l	98
30) Chloroform	5.098	83	353090	54.421	ug/l	98
31) Cyclohexane	5.476	56	275627	48.888	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	295296	54.477	ug/l	99
36) 1,1-Dichloropropene	5.702	75	228659	50.018	ug/l	100
37) Ethyl Acetate	4.714	43	229448	58.928	ug/l	100
38) Carbon Tetrachloride	5.684	117	253764	52.505	ug/l	99
39) Methylcyclohexane	7.385	83	275451	48.168	ug/l	99
40) Benzene	6.043	78	707337	51.155	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046988.D
 Acq On : 15 Jul 2025 10:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/16/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:20:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	136262	65.603	ug/l	98
42) 1,2-Dichloroethane	6.086	62	255117	54.334	ug/l	98
43) Isopropyl Acetate	6.342	43	389961	65.387	ug/l	100
44) Trichloroethene	7.129	130	178562	49.609	ug/l	99
45) 1,2-Dichloropropane	7.433	63	186702	53.443	ug/l	100
46) Dibromomethane	7.580	93	129355	53.441	ug/l	99
47) Bromodichloromethane	7.824	83	278048	53.798	ug/l	97
48) Methyl methacrylate	7.696	41	204045	66.260	ug/l	97
49) 1,4-Dioxane	7.659	88	50379	1411.910	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	1173684	333.458	ug/l	99
52) Toluene	8.720	92	441353	51.509	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	268222	58.150	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	297348	56.477	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	176972	55.451	ug/l	98
56) Ethyl methacrylate	9.116	69	281832	63.802	ug/l	98
57) 1,3-Dichloropropane	9.305	76	300488	54.679	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	781053	313.811	ug/l	100
59) 2-Hexanone	9.427	43	810255	347.058	ug/l	99
60) Dibromochloromethane	9.518	129	209424	54.831	ug/l	98
61) 1,2-Dibromoethane	9.610	107	177904	55.503	ug/l	99
64) Tetrachloroethene	9.275	164	141010	47.747	ug/l	98
65) Chlorobenzene	10.079	112	499325	52.067	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	176346	54.701	ug/l	99
67) Ethyl Benzene	10.189	91	871908	53.090	ug/l	99
68) m/p-Xylenes	10.299	106	650006	105.033	ug/l	99
69) o-Xylene	10.640	106	317971	53.191	ug/l	99
70) Styrene	10.652	104	554502	54.216	ug/l	98
71) Bromoform	10.799	173	134923	56.287	ug/l	100
73) Isopropylbenzene	10.957	105	842977	55.052	ug/l	100
74) N-amyl acetate	10.841	43	351295	67.514	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	249784	59.324	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	209071m	62.119	ug/l	
77) Bromobenzene	11.195	156	206399	54.115	ug/l	97
78) n-propylbenzene	11.299	91	998163	54.061	ug/l	100
79) 2-Chlorotoluene	11.360	91	587745	53.911	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	691213	55.555	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	78932	62.934	ug/l	99
82) 4-Chlorotoluene	11.451	91	690973	54.922	ug/l	100
83) tert-Butylbenzene	11.713	119	712515	55.447	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	690267	54.888	ug/l	95
85) sec-Butylbenzene	11.890	105	882170	54.448	ug/l	100
86) p-Isopropyltoluene	12.006	119	734892	54.164	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	380859	53.393	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	380835	51.299	ug/l	99
89) n-Butylbenzene	12.329	91	683574	53.620	ug/l	100
90) Hexachloroethane	12.536	117	128960	53.616	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	367044	53.099	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	49161	66.756	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	255734	54.458	ug/l	100
94) Hexachlorobutadiene	13.719	225	91363	51.589	ug/l	99
95) Naphthalene	13.774	128	778201	62.888	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	245654	55.364	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046988.D
Acq On : 15 Jul 2025 10:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/16/2025
Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:20:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

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

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

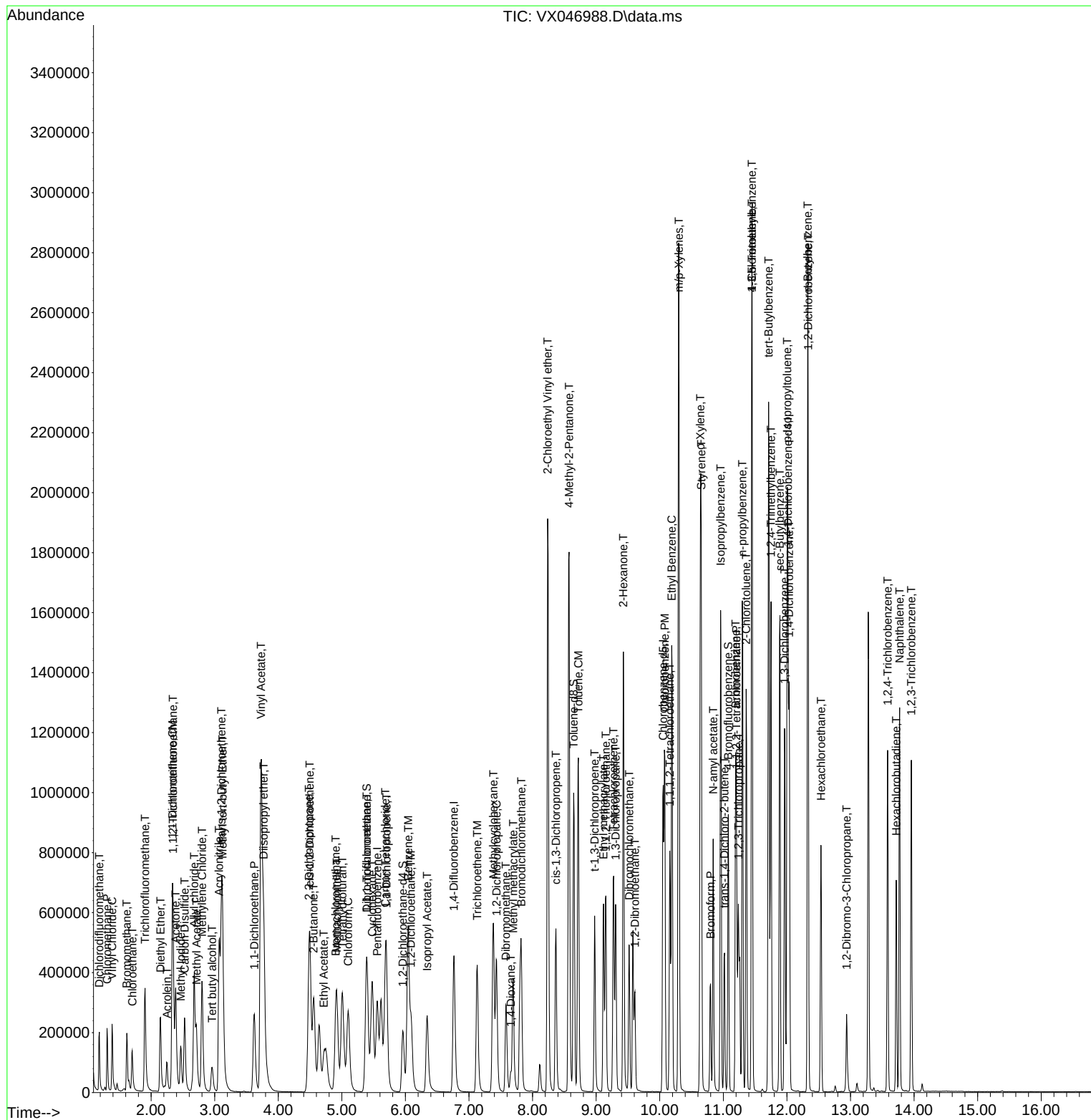

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046988.D
Acq On    : 15 Jul 2025  10:18
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 07/16/2025
Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:20:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046988.D
 Acq On : 15 Jul 2025 10:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 16 02:20:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 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	81	0.00
2 T	Dichlorodifluoromethane	0.478	0.457	4.4	76	0.00
3 P	Chloromethane	0.522	0.484	7.3	77	0.00
4 C	Vinyl Chloride	0.569	0.540	5.1#	80	0.00
5 T	Bromomethane	0.366	0.346	5.5	78	0.00
6 T	Chloroethane	0.376	0.358	4.8	84	0.00
7 T	Trichlorofluoromethane	0.880	0.905	-2.8	86	0.00
8 T	Diethyl Ether	0.313	0.342	-9.3	91	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.561	0.585	-4.3	87	0.00
10 T	Methyl Iodide	0.611	0.577	5.6	74	0.00
11 T	Tert butyl alcohol	0.043	0.071	-65.1#	136	0.00
12 CM	1,1-Dichloroethene	0.542	0.545	-0.6#	84	0.00
13 T	Acrolein	0.052	0.055	-5.8	97	0.00
14 T	Allyl chloride	0.965	1.057	-9.5	91	0.00
15 T	Acrylonitrile	0.250	0.313	-25.2#	103	0.00
16 T	Acetone	0.205	0.242	-18.0	102	0.00
17 T	Carbon Disulfide	1.422	1.192	16.2	72	0.00
18 T	Methyl Acetate	0.541	0.836	-54.5#	123	0.00
19 T	Methyl tert-butyl Ether	1.531	1.922	-25.5#	102	0.00
20 T	Methylene Chloride	0.607	0.637	-4.9	88	0.00
21 T	trans-1,2-Dichloroethene	0.555	0.563	-1.4	84	0.00
22 T	Diisopropyl ether	1.865	2.174	-16.6	93	0.00
23 T	Vinyl Acetate	1.397	1.675	-19.9	95	0.00
24 P	1,1-Dichloroethane	1.064	1.145	-7.6	89	0.00
25 T	2-Butanone	0.274	0.372	-35.8#	110	0.00
26 T	2,2-Dichloropropane	0.792	0.904	-14.1	96	0.00
27 T	cis-1,2-Dichloroethene	0.677	0.722	-6.6	89	0.00
28 T	Bromochloromethane	0.525	0.546	-4.0	84	0.00
29 T	Tetrahydrofuran	0.175	0.240	-37.1#	111	0.00
30 C	Chloroform	1.087	1.183	-8.8#	91	0.00
31 T	Cyclohexane	0.944	0.923	2.2	82	0.00
32 T	1,1,1-Trichloroethane	0.908	0.989	-8.9	91	0.00
33 S	1,2-Dichloroethane-d4	0.661	0.719	-8.8	90	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	83	0.00
35 S	Dibromofluoromethane	0.339	0.359	-5.9	88	0.00
36 T	1,1-Dichloropropene	0.458	0.458	0.0	87	0.00
37 T	Ethyl Acetate	0.390	0.460	-17.9	106	0.00
38 T	Carbon Tetrachloride	0.484	0.508	-5.0	89	0.00
39 T	Methylcyclohexane	0.573	0.552	3.7	81	0.00
40 TM	Benzene	1.385	1.417	-2.3	87	0.00
41 T	Methacrylonitrile	0.208	0.273	-31.3#	107	0.00
42 TM	1,2-Dichloroethane	0.470	0.511	-8.7	92	0.00
43 T	Isopropyl Acetate	0.597	0.781	-30.8#	105	0.00
44 TM	Trichloroethene	0.361	0.358	0.8	86	0.00
45 C	1,2-Dichloropropane	0.350	0.374	-6.9#	90	0.00
46 T	Dibromomethane	0.242	0.259	-7.0	90	0.00
47 T	Bromodichloromethane	0.518	0.557	-7.5	91	0.00
48 T	Methyl methacrylate	0.308	0.409	-32.8#	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046988.D
 Acq On : 15 Jul 2025 10:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 16 02:20:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 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	0.004	0.005	-25.0	115	0.00
50 S	Toluene-d8	1.197	1.212	-1.3	84	0.00
51 T	4-Methyl-2-Pentanone	0.353	0.470	-33.1#	107	0.00
52 CM	Toluene	0.858	0.884	-3.0#	87	0.00
53 T	t-1,3-Dichloropropene	0.462	0.537	-16.2	94	0.00
54 T	cis-1,3-Dichloropropene	0.527	0.596	-13.1	93	0.00
55 T	1,1,2-Trichloroethane	0.320	0.355	-10.9	93	0.00
56 T	Ethyl methacrylate	0.442	0.565	-27.8#	102	0.00
57 T	1,3-Dichloropropane	0.550	0.602	-9.5	92	0.00
58 T	2-Chloroethyl Vinyl ether	0.249	0.313	-25.7#	97	0.00
59 T	2-Hexanone	0.234	0.325	-38.9#	109	0.00
60 T	Dibromochloromethane	0.383	0.420	-9.7	92	0.00
61 T	1,2-Dibromoethane	0.321	0.356	-10.9	93	0.00
62 S	4-Bromofluorobenzene	0.455	0.485	-6.6	89	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	82	0.00
64 T	Tetrachloroethene	0.333	0.318	4.5	83	0.00
65 PM	Chlorobenzene	1.081	1.126	-4.2	88	0.00
66 T	1,1,1,2-Tetrachloroethane	0.363	0.398	-9.6	91	0.00
67 C	Ethyl Benzene	1.851	1.966	-6.2#	88	0.00
68 T	m/p-Xylenes	0.698	0.733	-5.0	87	0.00
69 T	o-Xylene	0.674	0.717	-6.4	89	0.00
70 T	Styrene	1.153	1.250	-8.4	87	0.00
71 P	Bromoform	0.270	0.304	-12.6	93	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	82	0.00
73 T	Isopropylbenzene	3.515	3.870	-10.1	88	0.00
74 T	N-amyl acetate	1.194	1.613	-35.1#	104	0.00
75 P	1,1,2,2-Tetrachloroethane	0.966	1.147	-18.7	97	0.00
76 T	1,2,3-Trichloropropane	0.773	0.960	-24.2	100	0.00
77 T	Bromobenzene	0.875	0.948	-8.3	88	0.00
78 T	n-propylbenzene	4.238	4.582	-8.1	87	0.00
79 T	2-Chlorotoluene	2.503	2.698	-7.8	89	0.00
80 T	1,3,5-Trimethylbenzene	2.856	3.173	-11.1	89	0.00
81 T	trans-1,4-Dichloro-2-butene	0.288	0.362	-25.7#	101	0.00
82 T	4-Chlorotoluene	2.888	3.172	-9.8	89	0.00
83 T	tert-Butylbenzene	2.950	3.271	-10.9	88	0.00
84 T	1,2,4-Trimethylbenzene	2.887	3.169	-9.8	88	0.00
85 T	sec-Butylbenzene	3.719	4.050	-8.9	87	0.00
86 T	p-Isopropyltoluene	3.114	3.374	-8.3	87	0.00
87 T	1,3-Dichlorobenzene	1.637	1.748	-6.8	88	0.00
88 T	1,4-Dichlorobenzene	1.704	1.748	-2.6	87	0.00
89 T	n-Butylbenzene	2.926	3.138	-7.2	86	0.00
90 T	Hexachloroethane	0.552	0.592	-7.2	87	0.00
91 T	1,2-Dichlorobenzene	1.587	1.685	-6.2	88	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.169	0.226	-33.7#	108	0.00
93 T	1,2,4-Trichlorobenzene	1.078	1.174	-8.9	88	0.00
94 T	Hexachlorobutadiene	0.407	0.419	-2.9	84	0.00
95 T	Naphthalene	2.840	3.573	-25.8#	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046988.D
Acq On : 15 Jul 2025 10:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 16 02:20:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.019	1.128	-10.7	88	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046988.D
 Acq On : 15 Jul 2025 10:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 16 02:20:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 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	81	0.00
2 T	Dichlorodifluoromethane	50.000	47.742	4.5	76	0.00
3 P	Chloromethane	50.000	46.297	7.4	77	0.00
4 C	Vinyl Chloride	50.000	47.451	5.1#	80	0.00
5 T	Bromomethane	50.000	47.351	5.3	78	0.00
6 T	Chloroethane	50.000	47.706	4.6	84	0.00
7 T	Trichlorofluoromethane	50.000	51.431	-2.9	86	0.00
8 T	Diethyl Ether	50.000	54.608	-9.2	91	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	52.178	-4.4	87	0.00
10 T	Methyl Iodide	50.000	47.274	5.5	74	0.00
11 T	Tert butyl alcohol	250.000	408.859	-63.5#	136	0.00
12 CM	1,1-Dichloroethene	50.000	50.288	-0.6#	84	0.00
13 T	Acrolein	250.000	286.283	-14.5	97	0.00
14 T	Allyl chloride	50.000	54.728	-9.5	91	0.00
15 T	Acrylonitrile	250.000	312.460	-25.0	103	0.00
16 T	Acetone	250.000	294.924	-18.0	102	0.00
17 T	Carbon Disulfide	50.000	41.917	16.2	72	0.00
18 T	Methyl Acetate	50.000	77.325	-54.7#	123	0.00
19 T	Methyl tert-butyl Ether	50.000	62.763	-25.5#	102	0.00
20 T	Methylene Chloride	50.000	52.485	-5.0	88	0.00
21 T	trans-1,2-Dichloroethene	50.000	50.706	-1.4	84	0.00
22 T	Diisopropyl ether	50.000	58.297	-16.6	93	0.00
23 T	Vinyl Acetate	250.000	299.702	-19.9	95	0.00
24 P	1,1-Dichloroethane	50.000	53.850	-7.7	89	0.00
25 T	2-Butanone	250.000	339.868	-35.9#	110	0.00
26 T	2,2-Dichloropropane	50.000	57.081	-14.2	96	0.00
27 T	cis-1,2-Dichloroethene	50.000	53.305	-6.6	89	0.00
28 T	Bromochloromethane	50.000	52.003	-4.0	84	0.00
29 T	Tetrahydrofuran	250.000	343.369	-37.3#	111	0.00
30 C	Chloroform	50.000	54.421	-8.8#	91	0.00
31 T	Cyclohexane	50.000	48.888	2.2	82	0.00
32 T	1,1,1-Trichloroethane	50.000	54.477	-9.0	91	0.00
33 S	1,2-Dichloroethane-d4	50.000	54.387	-8.8	90	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	83	0.00
35 S	Dibromofluoromethane	50.000	52.829	-5.7	88	0.00
36 T	1,1-Dichloropropene	50.000	50.018	-0.0	87	0.00
37 T	Ethyl Acetate	50.000	58.928	-17.9	106	0.00
38 T	Carbon Tetrachloride	50.000	52.505	-5.0	89	0.00
39 T	Methylcyclohexane	50.000	48.168	3.7	81	0.00
40 TM	Benzene	50.000	51.155	-2.3	87	0.00
41 T	Methacrylonitrile	50.000	65.603	-31.2#	107	0.00
42 TM	1,2-Dichloroethane	50.000	54.334	-8.7	92	0.00
43 T	Isopropyl Acetate	50.000	65.387	-30.8#	105	0.00
44 TM	Trichloroethene	50.000	49.609	0.8	86	0.00
45 C	1,2-Dichloropropane	50.000	53.443	-6.9#	90	0.00
46 T	Dibromomethane	50.000	53.441	-6.9	90	0.00
47 T	Bromodichloromethane	50.000	53.798	-7.6	91	0.00
48 T	Methyl methacrylate	50.000	66.260	-32.5#	105	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046988.D
 Acq On : 15 Jul 2025 10:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Jul 16 02:20:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 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	1411.910	-41.2#	115	0.00
50 S	Toluene-d8	50.000	50.622	-1.2	84	0.00
51 T	4-Methyl-2-Pentanone	250.000	333.458	-33.4#	107	0.00
52 CM	Toluene	50.000	51.509	-3.0#	87	0.00
53 T	t-1,3-Dichloropropene	50.000	58.150	-16.3	94	0.00
54 T	cis-1,3-Dichloropropene	50.000	56.477	-13.0	93	0.00
55 T	1,1,2-Trichloroethane	50.000	55.451	-10.9	93	0.00
56 T	Ethyl methacrylate	50.000	63.802	-27.6#	102	0.00
57 T	1,3-Dichloropropane	50.000	54.679	-9.4	92	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	313.811	-25.5#	97	0.00
59 T	2-Hexanone	250.000	347.058	-38.8#	109	0.00
60 T	Dibromochloromethane	50.000	54.831	-9.7	92	0.00
61 T	1,2-Dibromoethane	50.000	55.503	-11.0	93	0.00
62 S	4-Bromofluorobenzene	50.000	53.283	-6.6	89	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	82	0.00
64 T	Tetrachloroethene	50.000	47.747	4.5	83	0.00
65 PM	Chlorobenzene	50.000	52.067	-4.1	88	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.701	-9.4	91	0.00
67 C	Ethyl Benzene	50.000	53.090	-6.2#	88	0.00
68 T	m/p-Xylenes	100.000	105.033	-5.0	87	0.00
69 T	o-Xylene	50.000	53.191	-6.4	89	0.00
70 T	Styrene	50.000	54.216	-8.4	87	0.00
71 P	Bromoform	50.000	56.287	-12.6	93	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	82	0.00
73 T	Isopropylbenzene	50.000	55.052	-10.1	88	0.00
74 T	N-amyl acetate	50.000	67.514	-35.0#	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	59.324	-18.6	97	0.00
76 T	1,2,3-Trichloropropane	50.000	62.119	-24.2	100	0.00
77 T	Bromobenzene	50.000	54.115	-8.2	88	0.00
78 T	n-propylbenzene	50.000	54.061	-8.1	87	0.00
79 T	2-Chlorotoluene	50.000	53.911	-7.8	89	0.00
80 T	1,3,5-Trimethylbenzene	50.000	55.555	-11.1	89	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	62.934	-25.9#	101	0.00
82 T	4-Chlorotoluene	50.000	54.922	-9.8	89	0.00
83 T	tert-Butylbenzene	50.000	55.447	-10.9	88	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.888	-9.8	88	0.00
85 T	sec-Butylbenzene	50.000	54.448	-8.9	87	0.00
86 T	p-Isopropyltoluene	50.000	54.164	-8.3	87	0.00
87 T	1,3-Dichlorobenzene	50.000	53.393	-6.8	88	0.00
88 T	1,4-Dichlorobenzene	50.000	51.299	-2.6	87	0.00
89 T	n-Butylbenzene	50.000	53.620	-7.2	86	0.00
90 T	Hexachloroethane	50.000	53.616	-7.2	87	0.00
91 T	1,2-Dichlorobenzene	50.000	53.099	-6.2	88	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	66.756	-33.5#	108	0.00
93 T	1,2,4-Trichlorobenzene	50.000	54.458	-8.9	88	0.00
94 T	Hexachlorobutadiene	50.000	51.589	-3.2	84	0.00
95 T	Naphthalene	50.000	62.888	-25.8#	96	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046988.D
Acq On : 15 Jul 2025 10:18
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 16 02:20:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 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	55.364	-10.7	88	0.00

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



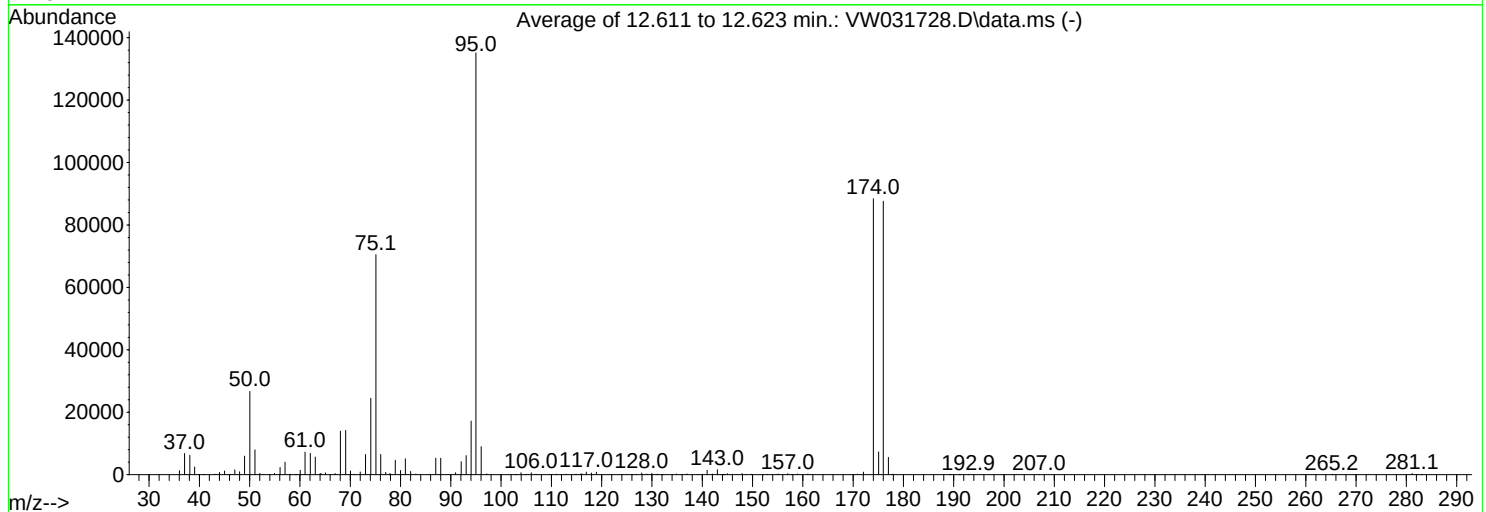
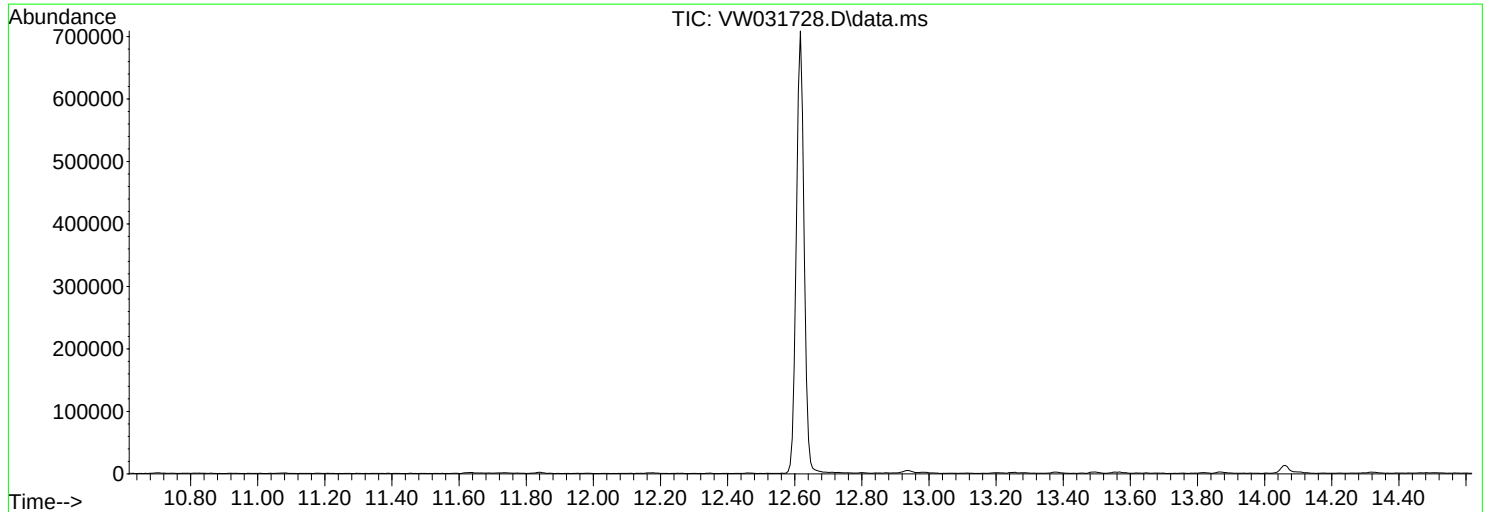
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW063025\
Data File : VW031728.D
Acq On : 30 Jun 2025 08:56
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1750

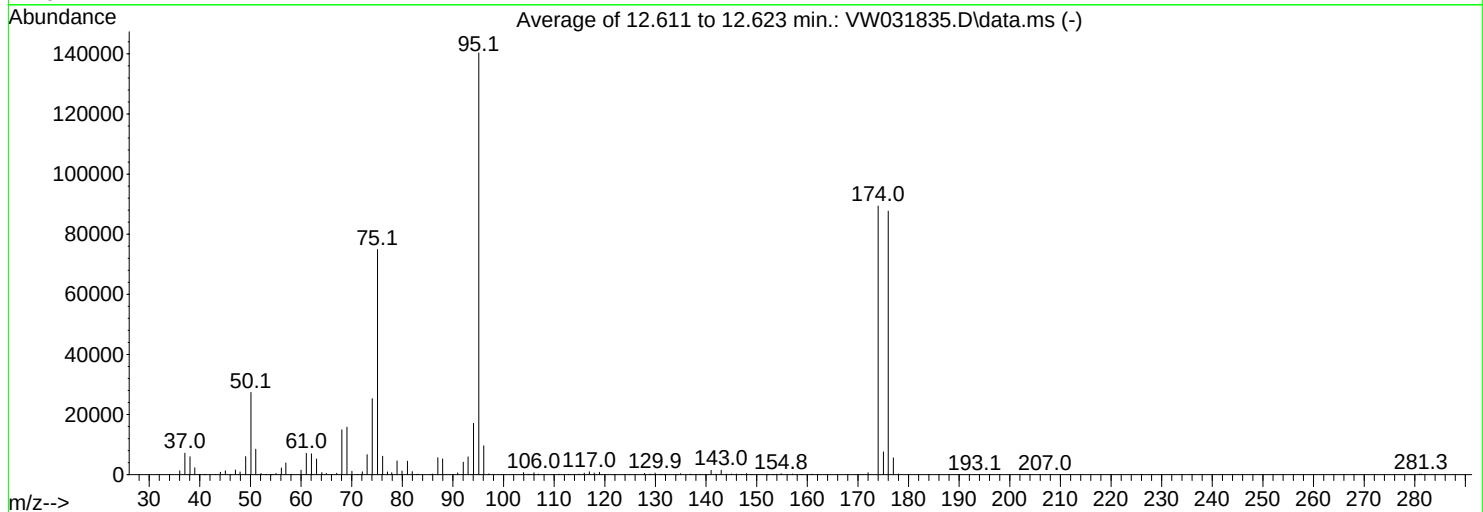
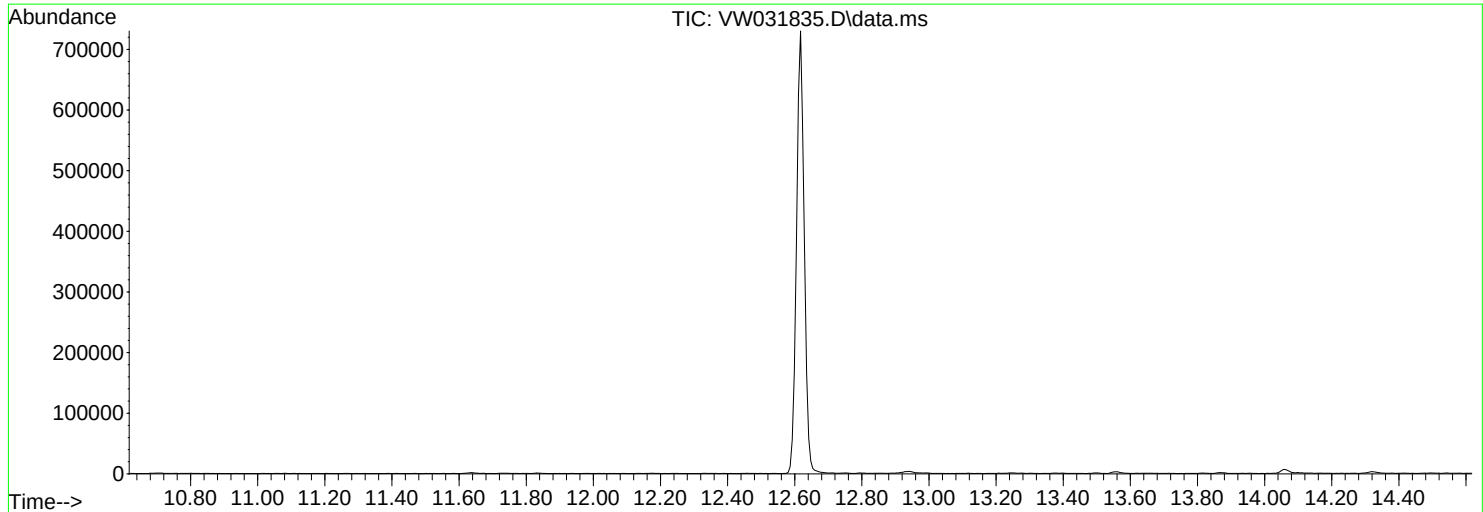
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.7	26685	PASS
75	95	30	60	52.1	70472	PASS
95	95	100	100	100.0	135149	PASS
96	95	5	9	6.7	8992	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	65.4	88384	PASS
175	174	5	9	8.2	7275	PASS
176	174	95	101	99.2	87643	PASS
177	176	5	9	6.3	5529	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031835.D
Acq On : 14 Jul 2025 08:45
Operator : SY/MD
Sample : BFB
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Title : SW846 8260
Last Update : Tue Jul 01 03:35:17 2025



AutoFind: Scans 1759, 1760, 1761; Background Corrected with Scan 1749

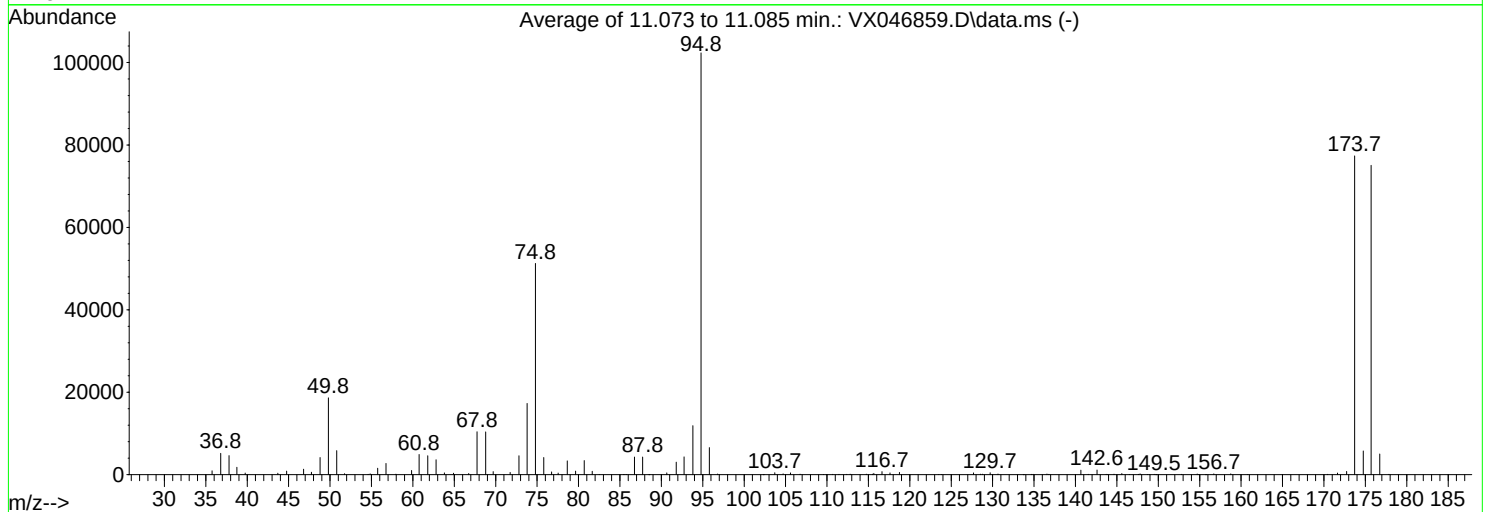
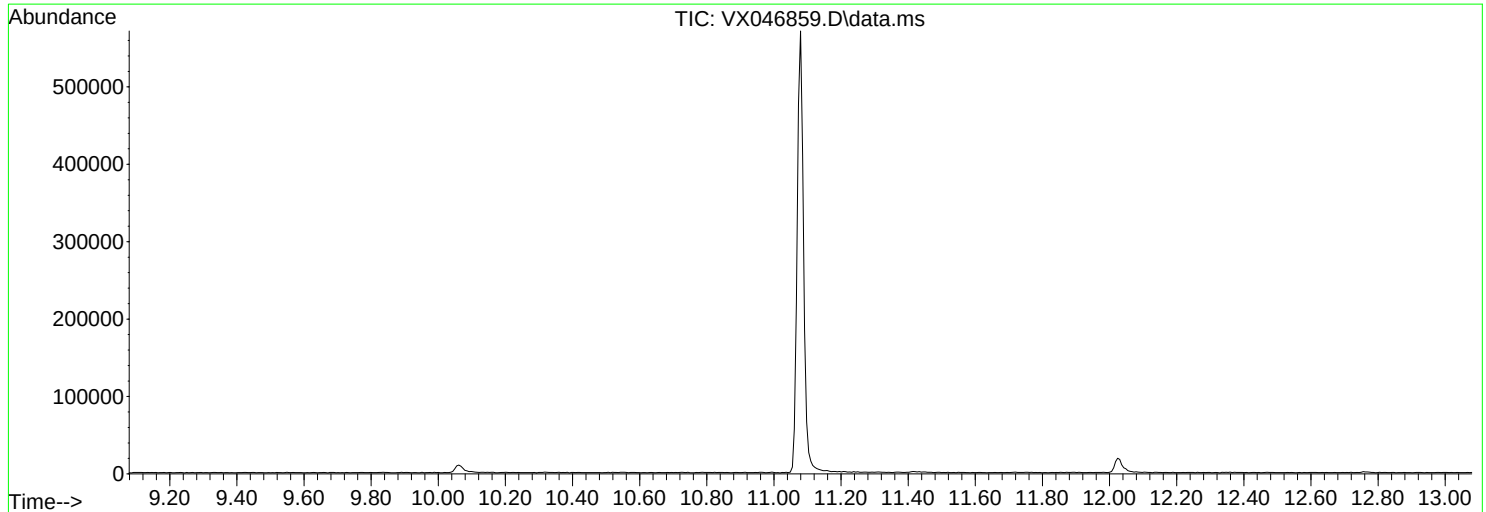
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	27365	PASS
75	95	30	60	53.4	74896	PASS
95	95	100	100	100.0	140349	PASS
96	95	5	9	6.8	9575	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	63.7	89411	PASS
175	174	5	9	8.5	7589	PASS
176	174	95	101	98.1	87688	PASS
177	176	5	9	6.4	5623	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070225\
Data File : VX046859.D
Acq On : 02 Jul 2025 11:12
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Title : SW846 8260
Last Update : Thu Jul 03 05:51:11 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

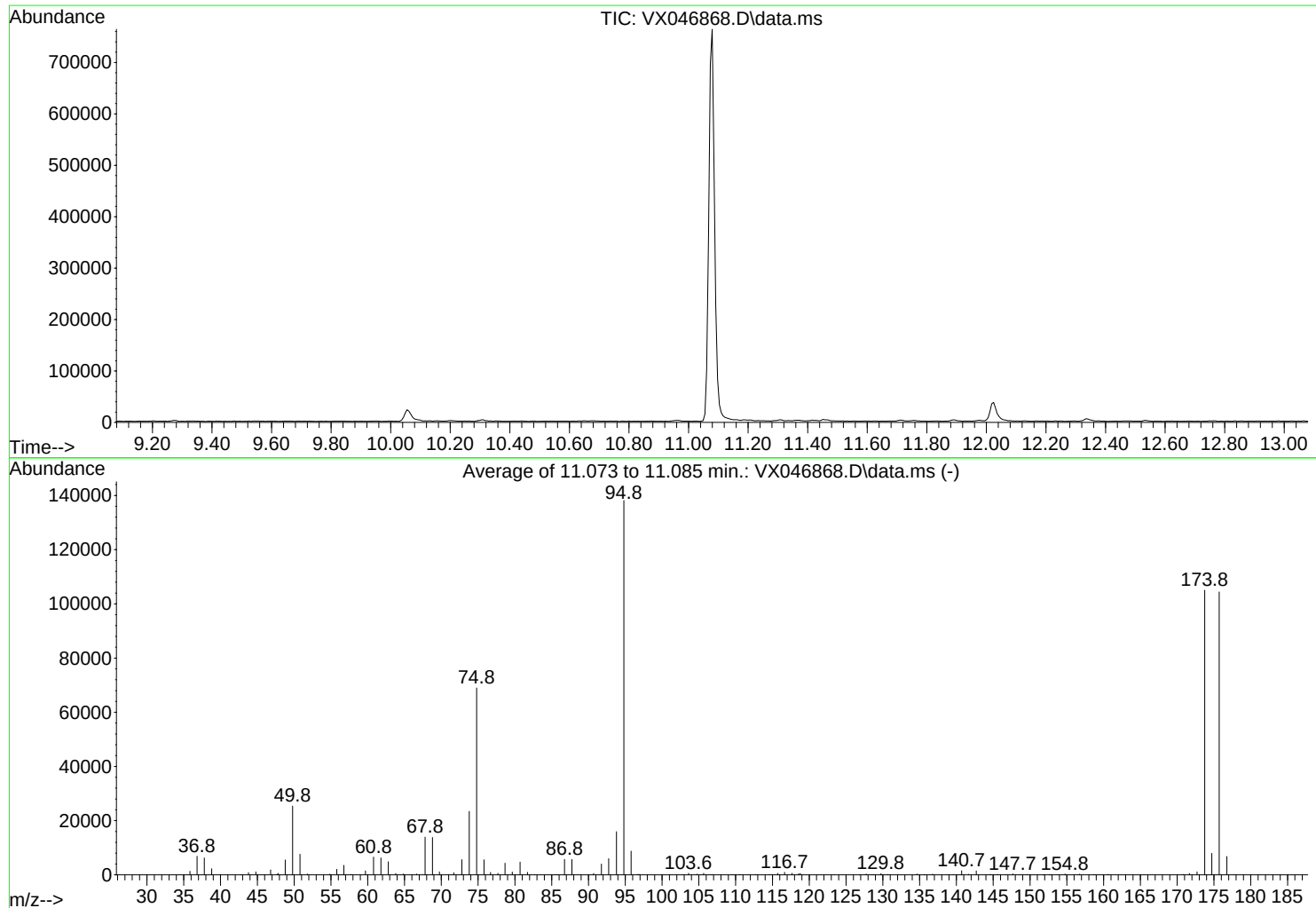
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	18657	PASS
75	95	30	60	50.1	51248	PASS
95	95	100	100	100.0	102357	PASS
96	95	5	9	6.4	6574	PASS
173	174	0.00	2	1.0	779	PASS
174	95	50	100	75.5	77328	PASS
175	174	5	9	7.4	5758	PASS
176	174	95	101	97.1	75051	PASS
177	176	5	9	6.7	5020	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046868.D
Acq On : 03 Jul 2025 07:52
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Title : SW846 8260
Last Update : Thu Jul 03 05:51:11 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

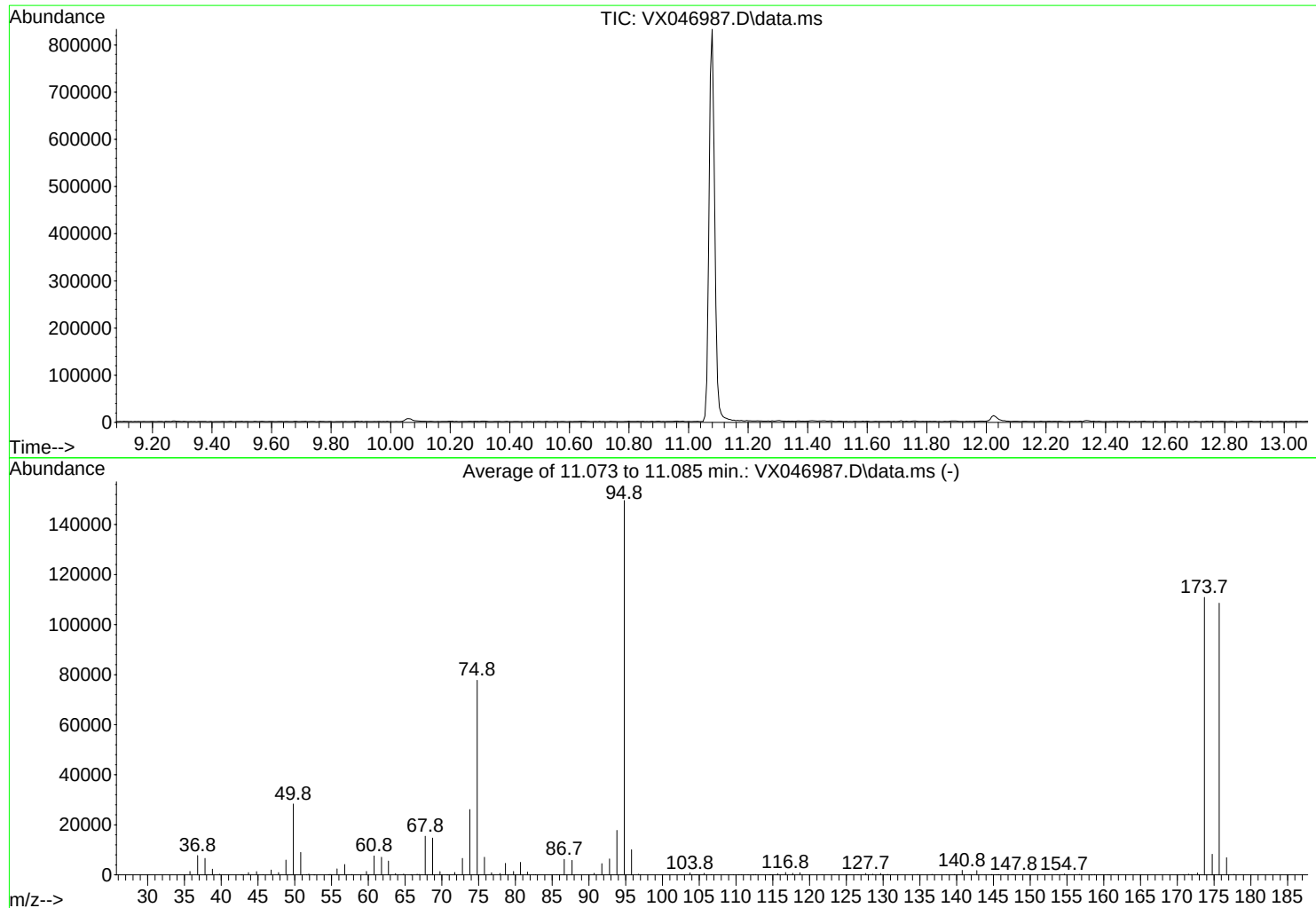
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.4	25355	PASS
75	95	30	60	49.9	68992	PASS
95	95	100	100	100.0	138160	PASS
96	95	5	9	6.3	8736	PASS
173	174	0.00	2	1.0	1090	PASS
174	95	50	100	76.0	105016	PASS
175	174	5	9	7.6	7936	PASS
176	174	95	101	99.4	104379	PASS
177	176	5	9	6.5	6758	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046987.D
Acq On : 15 Jul 2025 08:29
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Title : SW846 8260
Last Update : Thu Jul 03 05:51:11 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1630

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	18.9	28349	PASS
75	95	30	60	52.0	77789	PASS
95	95	100	100	100.0	149629	PASS
96	95	5	9	6.7	10046	PASS
173	174	0.00	2	0.7	745	PASS
174	95	50	100	74.1	110883	PASS
175	174	5	9	7.4	8256	PASS
176	174	95	101	97.9	108573	PASS
177	176	5	9	6.4	6898	PASS

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0714SBL01	SDG No.:	Q2503
Lab Sample ID:	VW0714SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031837.D	1	07/14/25 09:46	VW071425

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:	Capra		Date Received:	
Client Sample ID:	VW0714SBL01		SDG No.:	Q2503
Lab Sample ID:	VW0714SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031837.D	1	07/14/25 09:46	VW071425

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	48.0		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		70 - 134	94%	SPK: 50
2037-26-5	Toluene-d8	44.9		74 - 123	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		17 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	7.959			
540-36-3	1,4-Difluorobenzene	360000	8.849			
3114-55-4	Chlorobenzene-d5	335000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	154000	13.556			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0714SBL01	SDG No.:	Q2503
Lab Sample ID:	VW0714SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VW031837.D	1	07/14/25 09:46	VW071425

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_W\Data\VW071425\
 Data File : VW031837.D
 Acq On : 14 Jul 2025 09:46
 Operator : SY/MD
 Sample : VW0714SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBL01

Quant Time: Jul 15 02:39:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	179274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	359991	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	334968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	154203	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123390	47.960	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	95.920%
35) Dibromofluoromethane	7.898	113	110604	47.084	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.160%
50) Toluene-d8	10.324	98	392793	44.932	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	89.860%
62) 4-Bromofluorobenzene	12.617	95	148493	46.158	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	92.320%

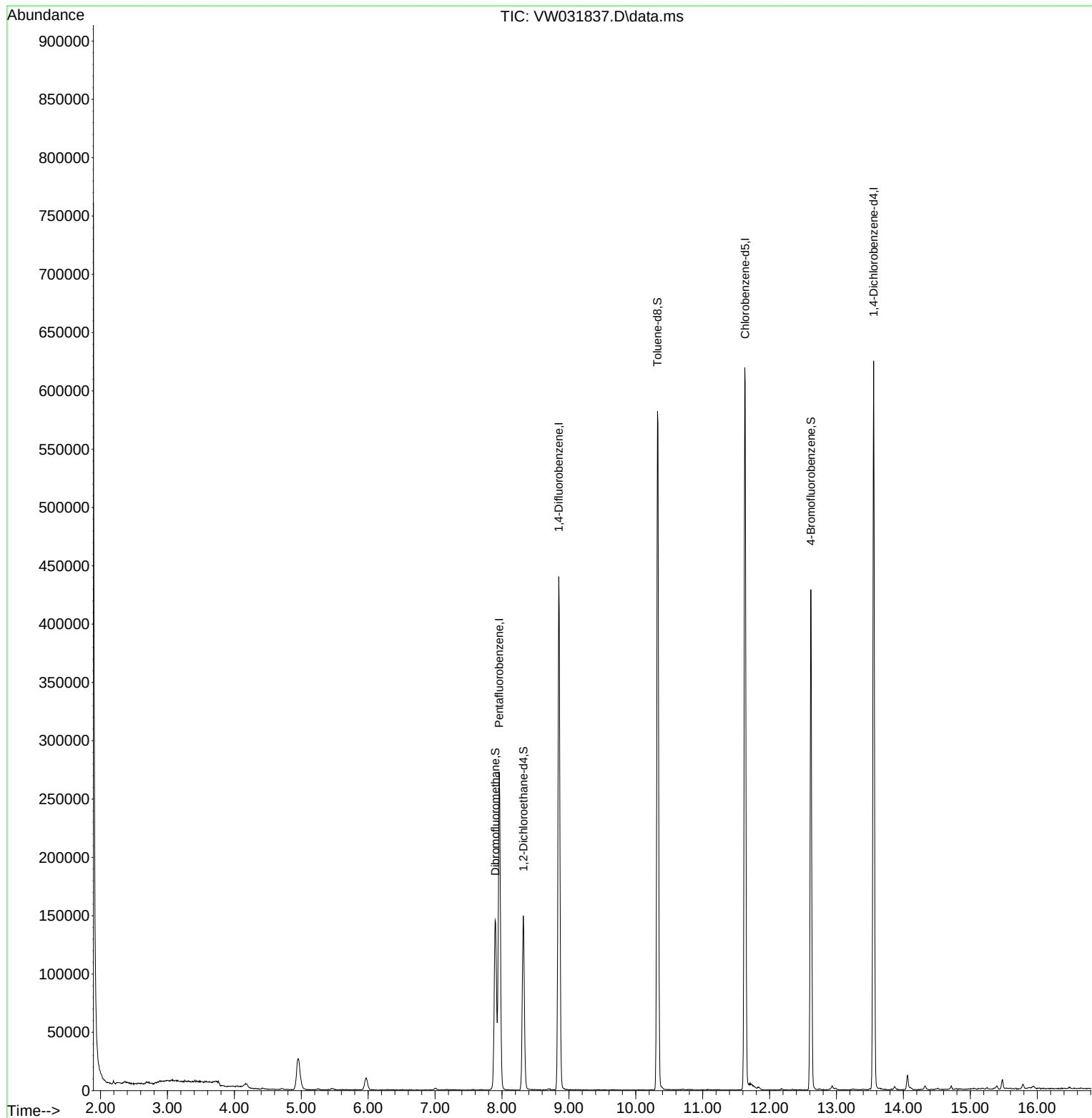
Target Compounds	Qvalue

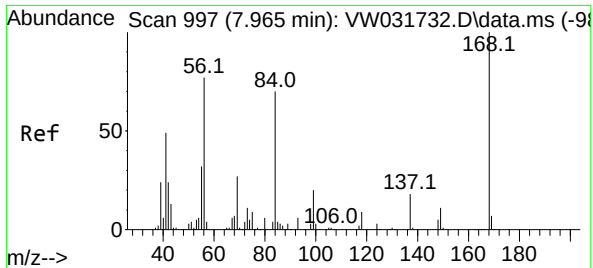
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Quant Time: Jul 15 02:39:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

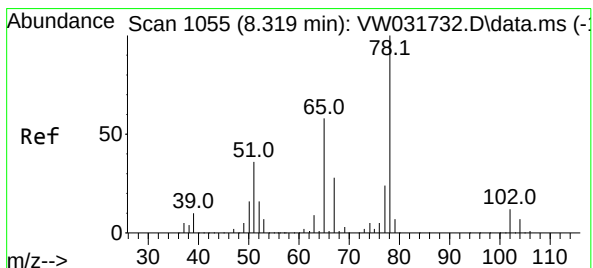
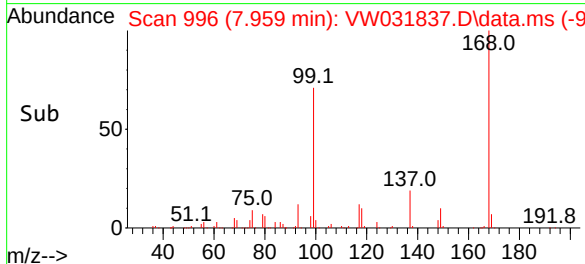
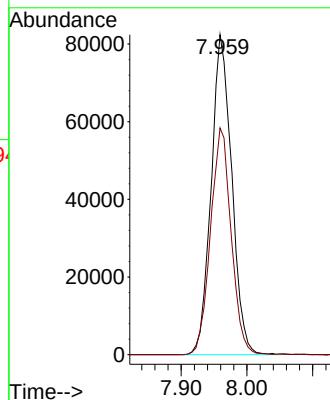
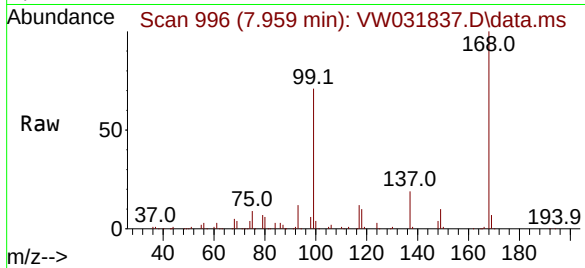




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

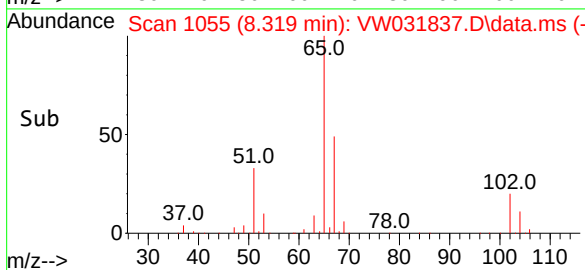
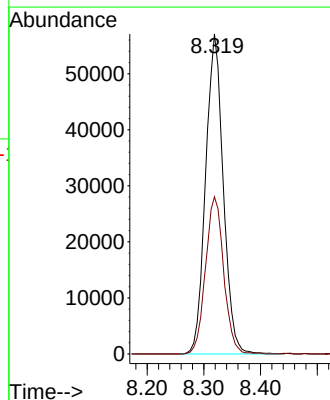
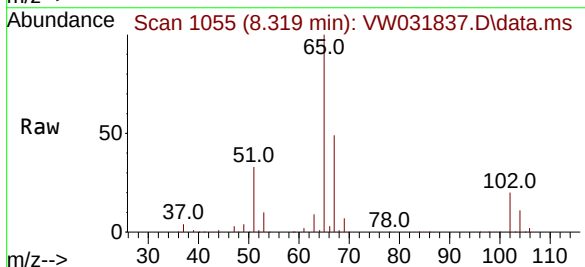
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

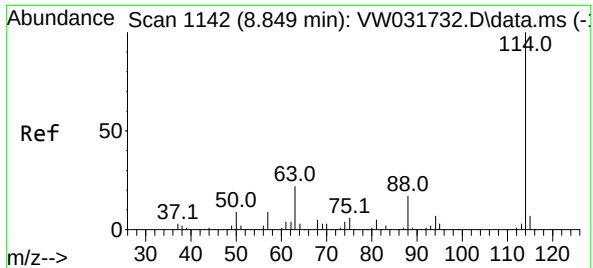
Tgt Ion:168 Resp: 179274
Ion Ratio Lower Upper
168 100
99 70.9 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 47.960 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion: 65 Resp: 123390
Ion Ratio Lower Upper
65 100
67 50.5 0.0 99.4

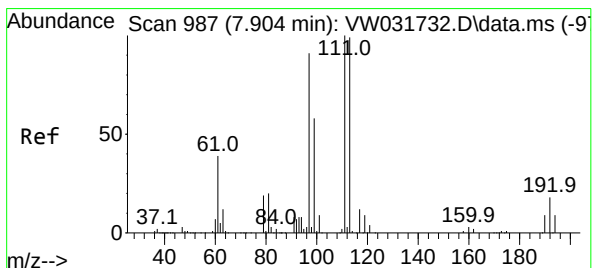
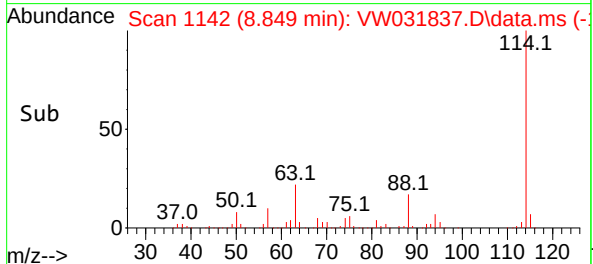
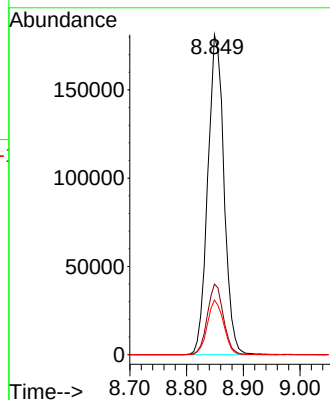
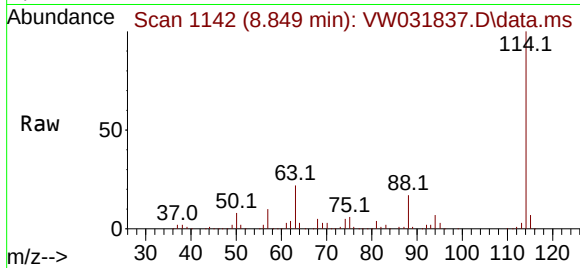




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

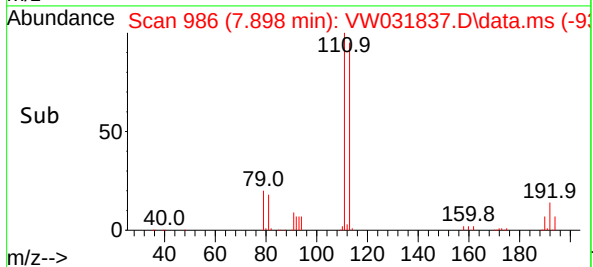
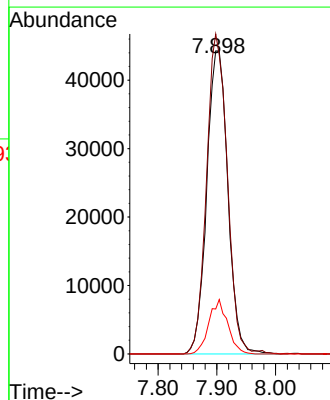
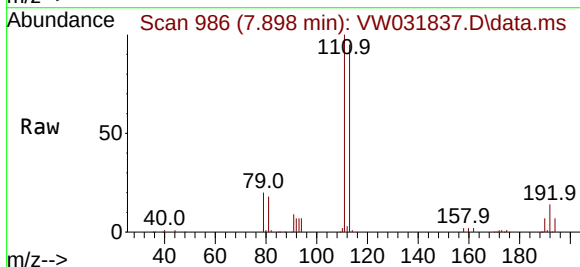
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

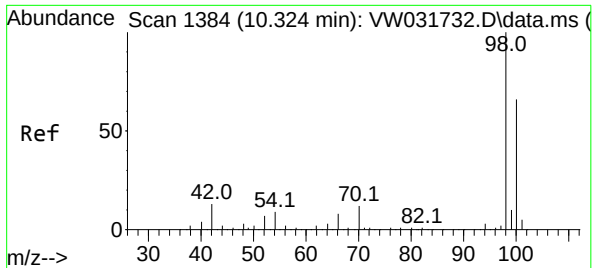
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.6
88	17.1	0.0	34.2



#35
Dibromofluoromethane
Concen: 47.084 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.1	123.1
192	16.0	13.8	20.6

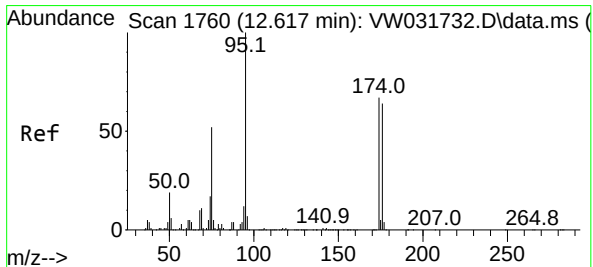
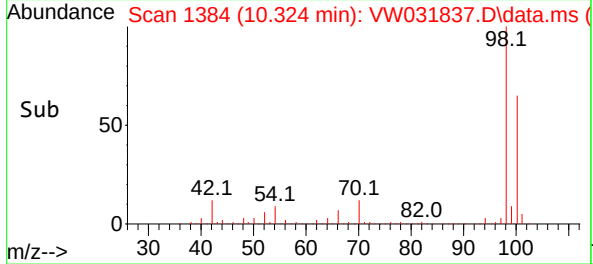
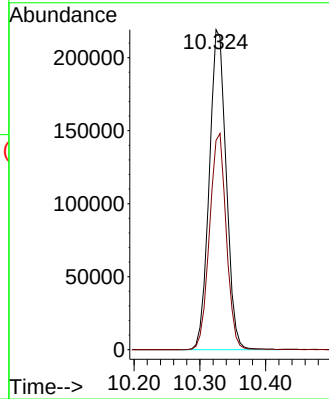
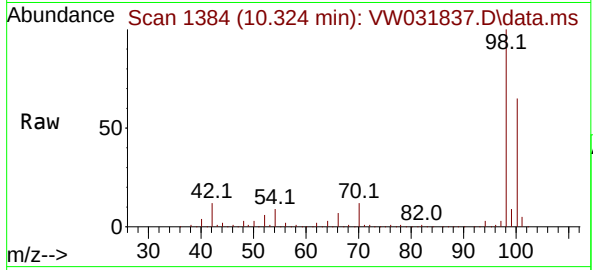




#50
Toluene-d8
Concen: 44.932 ug/l
RT: 10.324 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

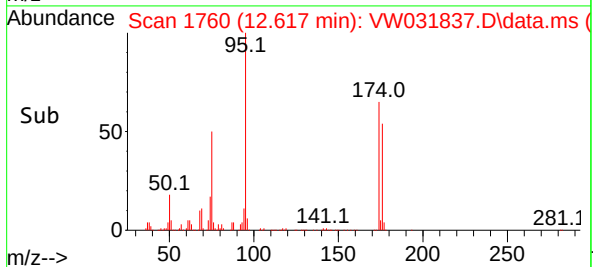
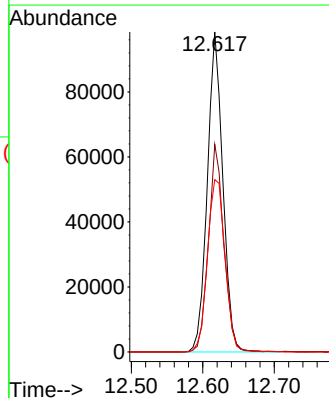
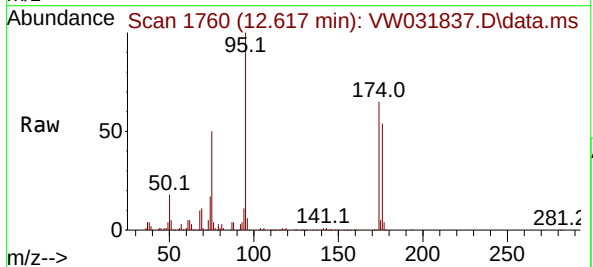
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

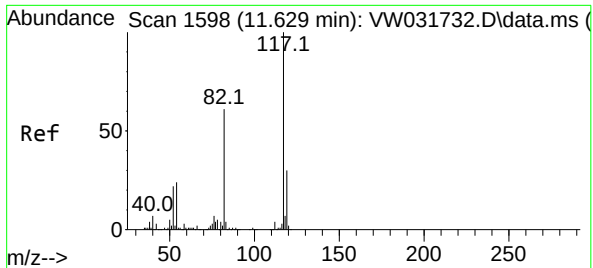
Tgt Ion: 98 Resp: 392793
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.158 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion: 95 Resp: 148493
Ion Ratio Lower Upper
95 100
174 64.4 0.0 133.8
176 61.2 0.0 126.0

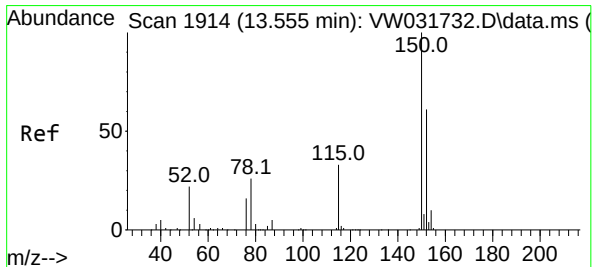
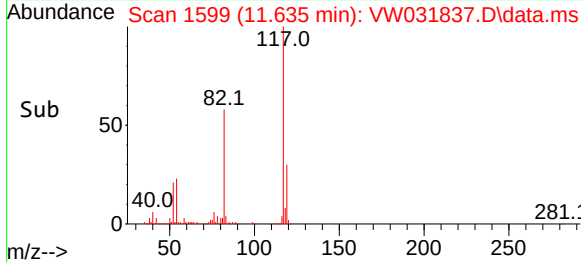
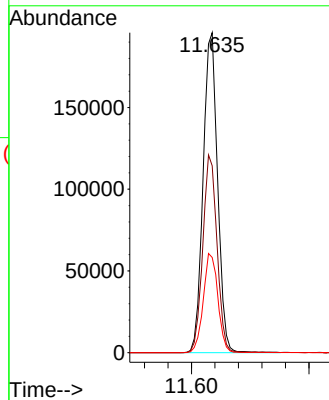
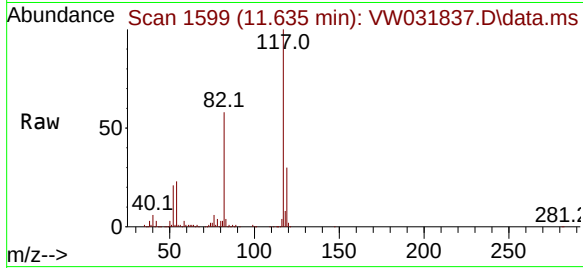




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

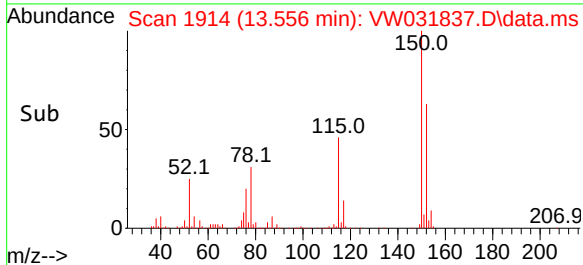
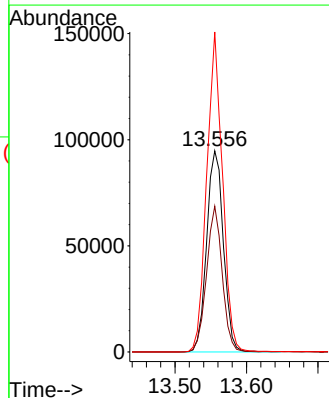
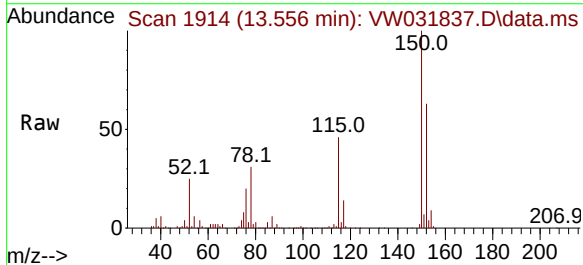
Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.4	48.6	72.8
119	29.8	23.9	35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031837.D
Acq: 14 Jul 2025 09:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	67.9	31.9	95.7
150	149.9	0.0	356.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031837.D
 Acq On : 14 Jul 2025 09:46
 Operator : SY/MD
 Sample : VW0714SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBL01

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_W\Method\82W063025S.M

Title : SW846 8260

Signal : TIC: VW031837.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.953	492	503	518	rBV3	26515	101788	9.44%	1.657%
2	5.972	658	670	682	rVB2	10437	33599	3.12%	0.547%
3	7.898	971	986	991	rBV	145626	364956	33.86%	5.943%
4	7.959	991	996	1010	rVB	272079	592897	55.01%	9.654%
5	8.319	1043	1055	1068	rBV	149638	330517	30.67%	5.382%
6	8.849	1131	1142	1159	rBV	440218	874977	81.18%	14.247%
7	10.324	1376	1384	1400	rBV	582065	1060550	98.40%	17.269%
8	11.629	1591	1598	1608	rBV	618954	1077808	100.00%	17.550%
9	12.617	1752	1760	1778	rBV	429059	677426	62.85%	11.031%
10	13.556	1907	1914	1926	rBV	624522	989018	91.76%	16.104%
11	14.062	1987	1997	2003	rBV	12278	23208	2.15%	0.378%
12	15.482	2223	2230	2235	rBV	7905	14590	1.35%	0.238%

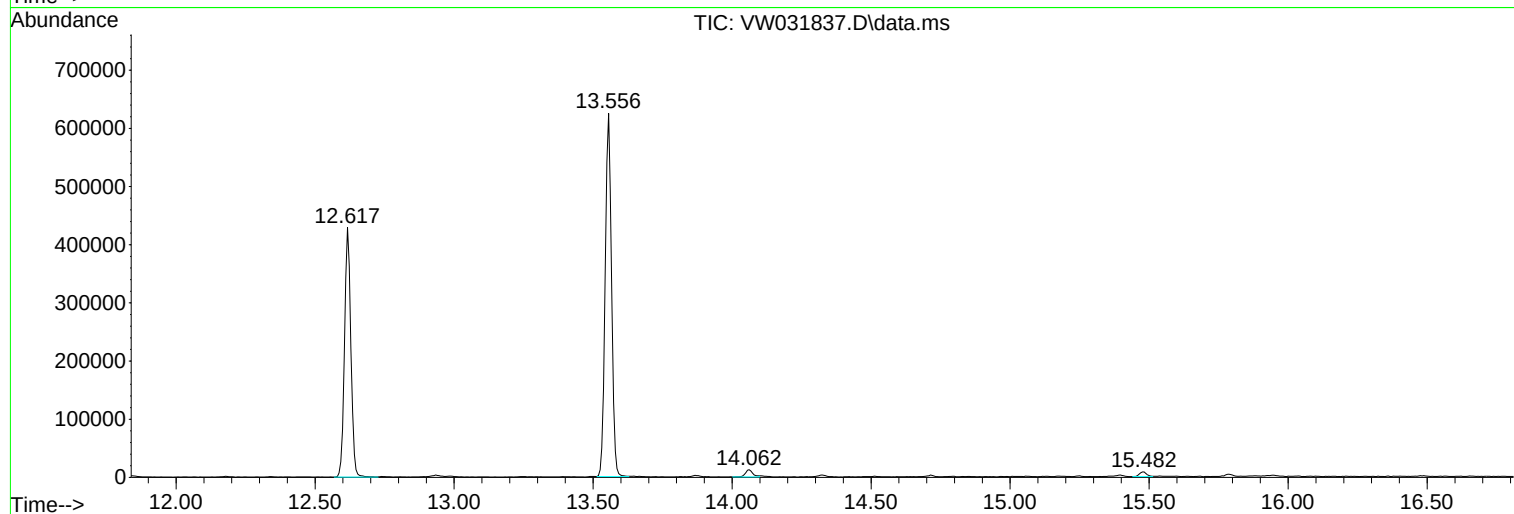
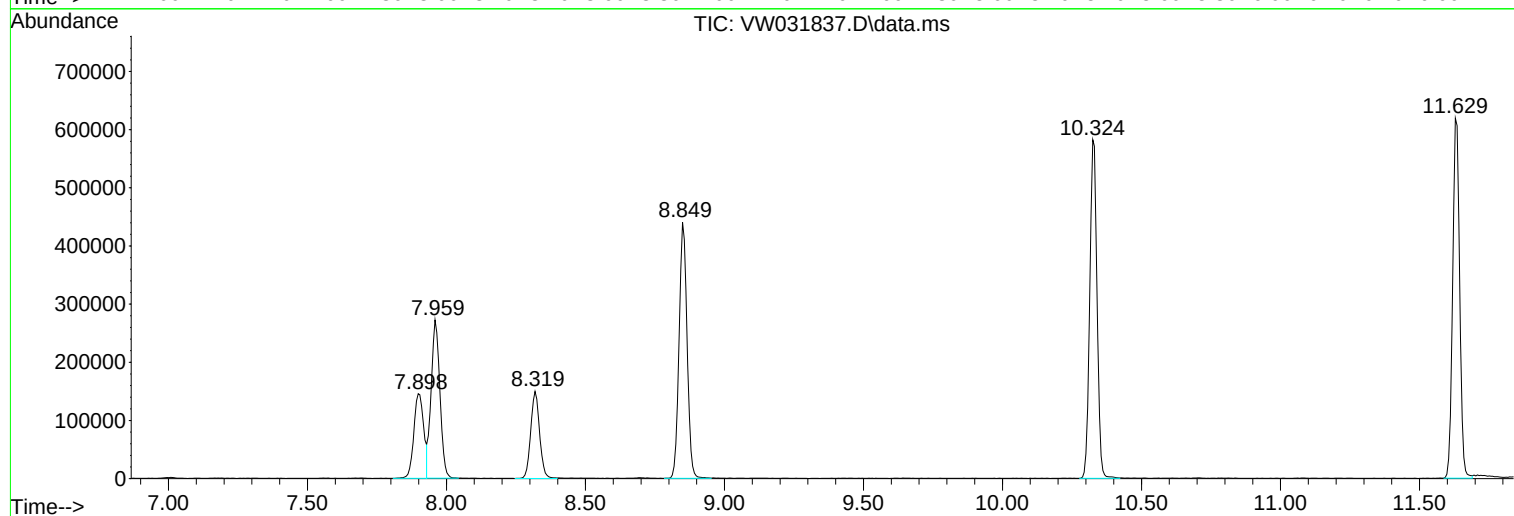
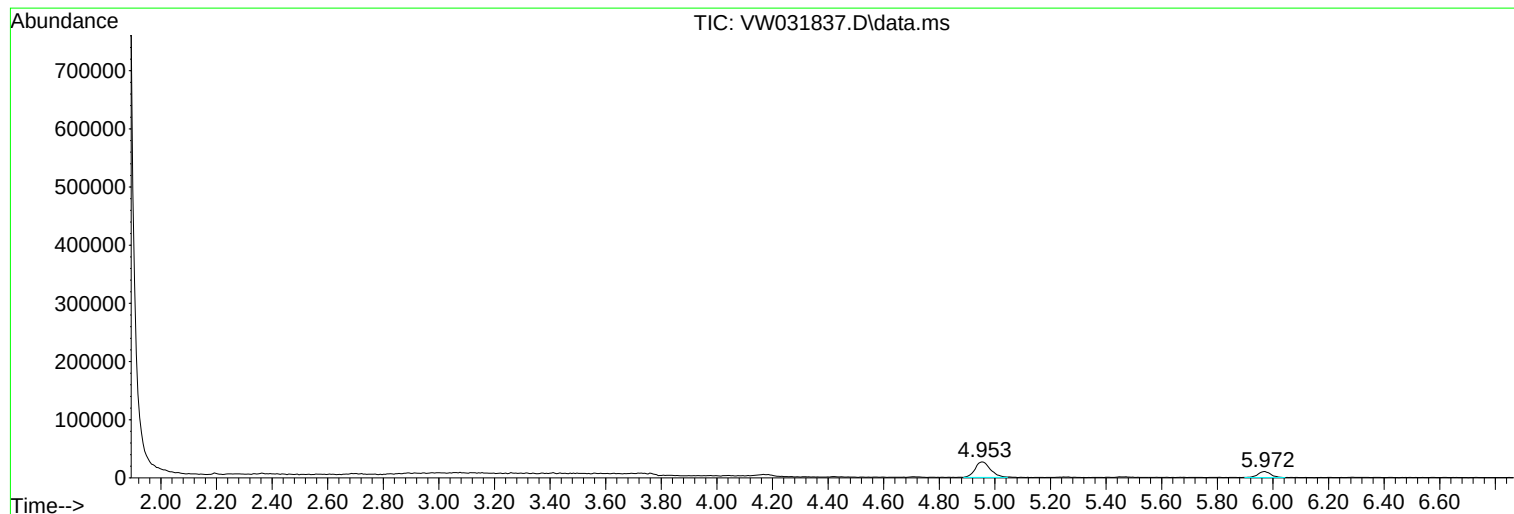
Sum of corrected areas: 6141334

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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_W\Data\VW071425\
Data File : VW031837.D
Acq On : 14 Jul 2025 09:46
Operator : SY/MD
Sample : VW0714SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	VX0703WBL01			SDG No.:	Q2503
Lab Sample ID:	VX0703WBL01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046871.D	1	07/03/25 09:09	VX070325

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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0703WBL01		SDG No.:	Q2503
Lab Sample ID:	VX0703WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046871.D	1	07/03/25 09:09	VX070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	436000	5.556			
540-36-3	1,4-Difluorobenzene	753000	6.763			
3114-55-4	Chlorobenzene-d5	692000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	352000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VX0703WBL01	SDG No.:	Q2503
Lab Sample ID:	VX0703WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046871.D	1	07/03/25 09:09	VX070325

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_X\Data\VX070325\
 Data File : VX046871.D
 Acq On : 03 Jul 2025 09:09
 Operator : JC/MD
 Sample : VX0703WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBL01

Quant Time: Jul 04 01:26:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	435949	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	752530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	691838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	351915	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	289406	50.250	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.500%
35) Dibromofluoromethane	5.391	113	248443	48.636	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.280%
50) Toluene-d8	8.647	98	893863	49.596	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.200%
62) 4-Bromofluorobenzene	11.079	95	346730	50.620	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.240%

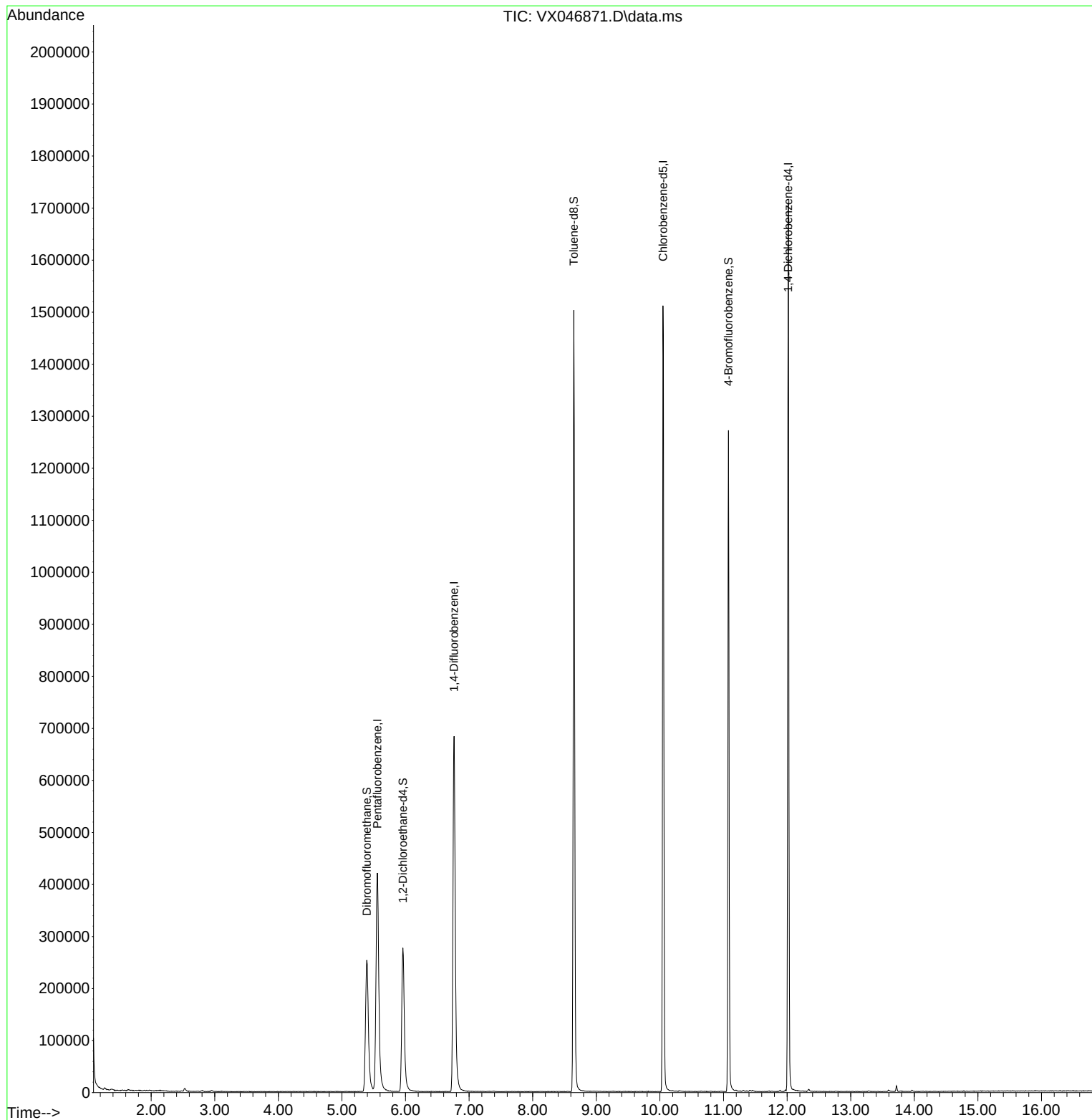
Target Compounds	Qvalue

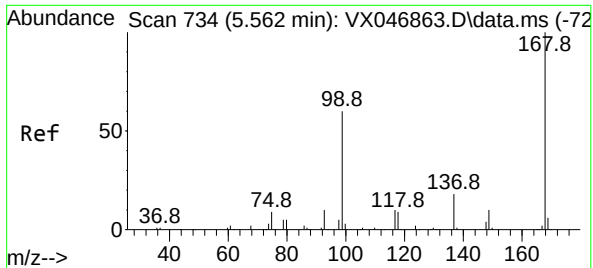
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBL01

Quant Time: Jul 04 01:26:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

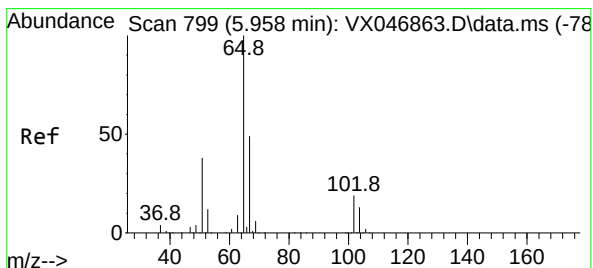
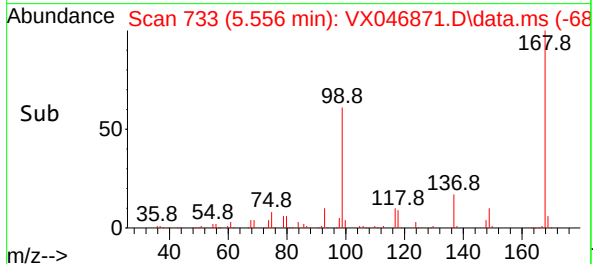
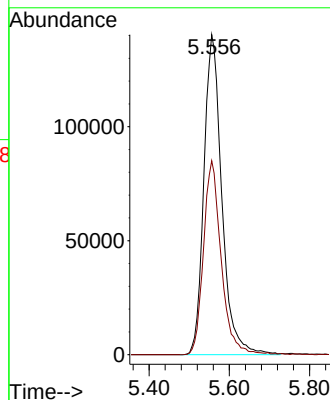
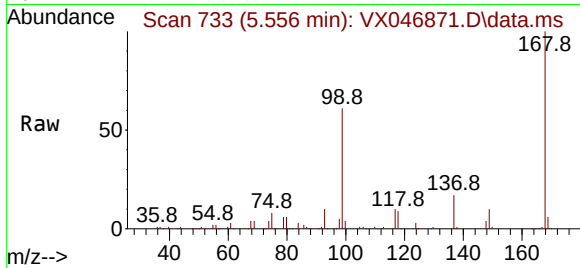




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.006 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

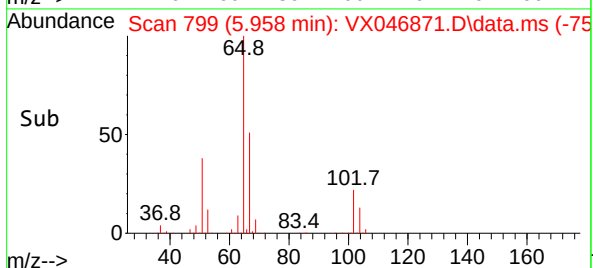
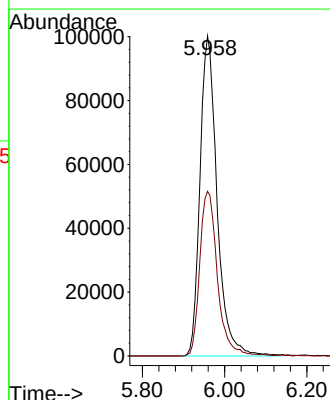
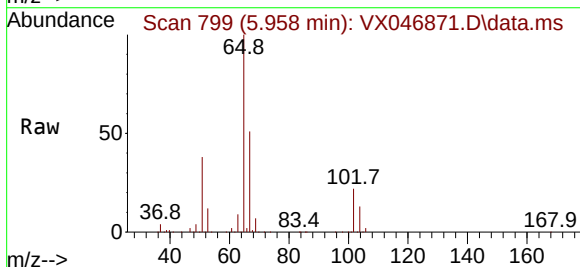
Instrument :
MSVOA_X
ClientSampleId :
VX0703WBL01

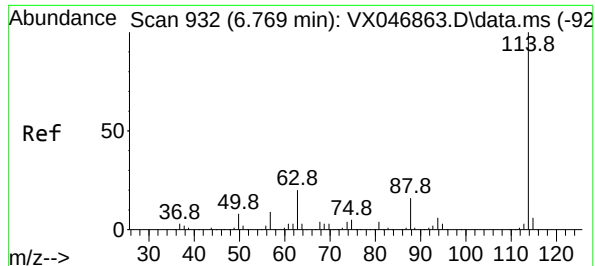
Tgt Ion:168 Resp: 435949
Ion Ratio Lower Upper
168 100
99 60.6 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 50.250 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

Tgt Ion: 65 Resp: 289406
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX046871.D

Acq: 03 Jul 2025 09:09

Instrument :

MSVOA_X

ClientSampleId :

VX0703WBL01

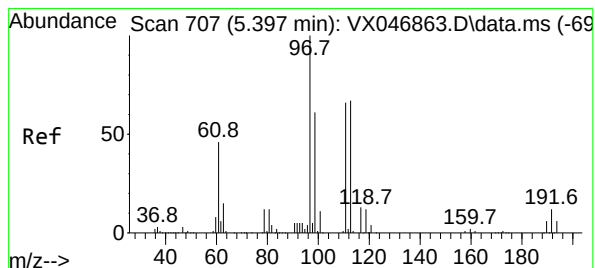
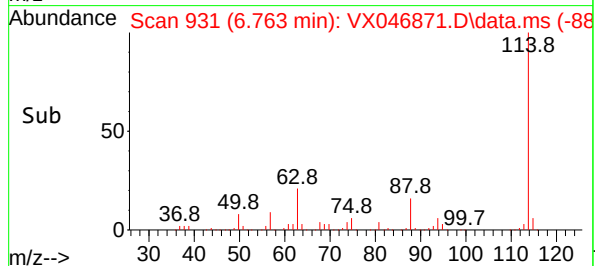
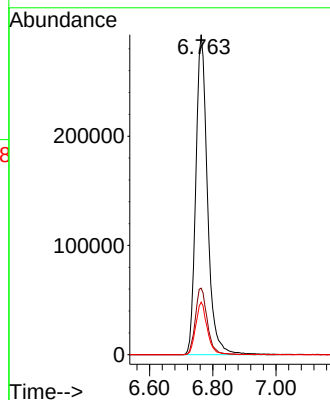
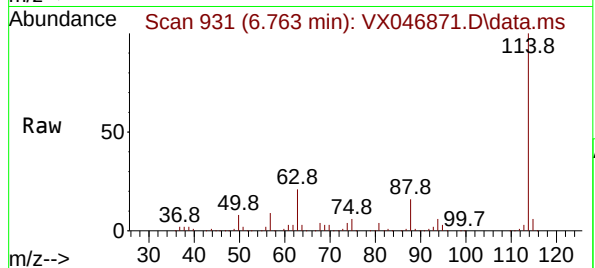
Tgt Ion:114 Resp: 752530

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.4

88 16.4 0.0 31.0



#35

Dibromofluoromethane

Concen: 48.636 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX046871.D

Acq: 03 Jul 2025 09:09

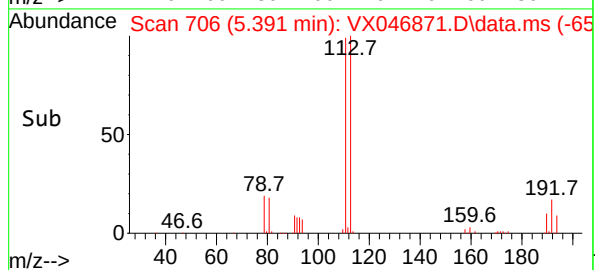
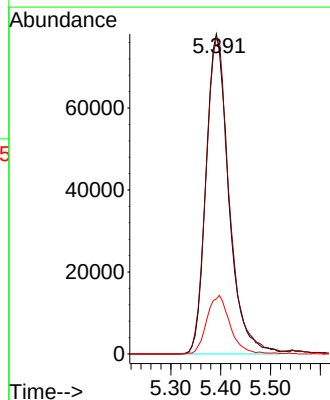
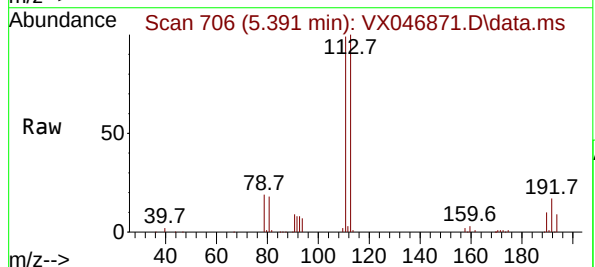
Tgt Ion:113 Resp: 248443

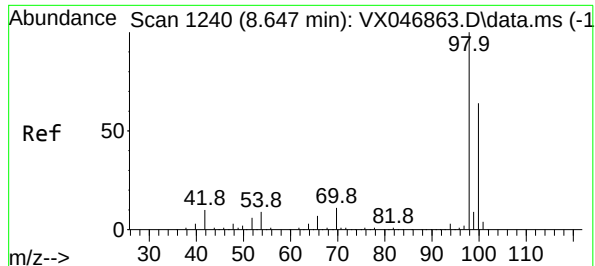
Ion Ratio Lower Upper

113 100

111 101.1 81.2 121.8

192 18.6 15.3 22.9





#50

Toluene-d8

Concen: 49.596 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046871.D

Acq: 03 Jul 2025 09:09

Instrument :

MSVOA_X

ClientSampleId :

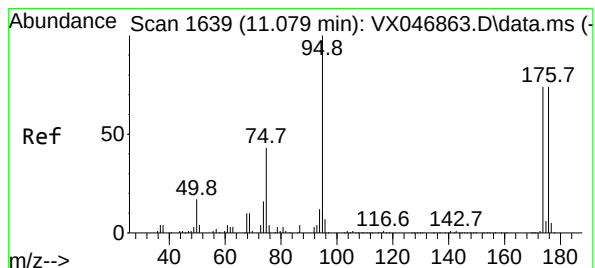
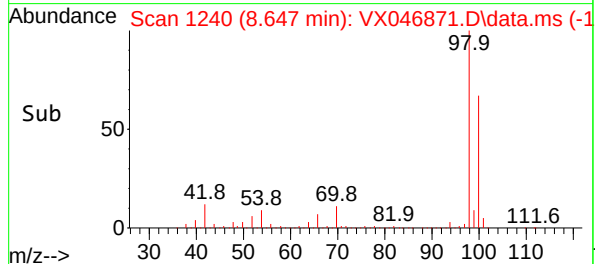
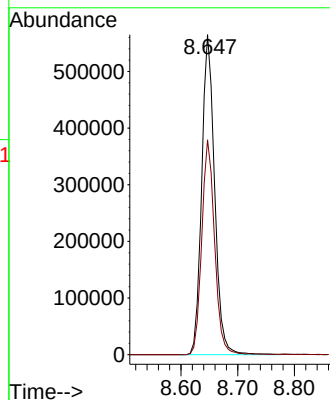
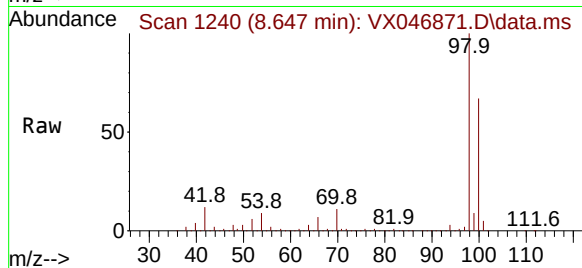
VX0703WBL01

Tgt Ion: 98 Resp: 893863

Ion Ratio Lower Upper

98 100

100 66.9 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 50.620 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046871.D

Acq: 03 Jul 2025 09:09

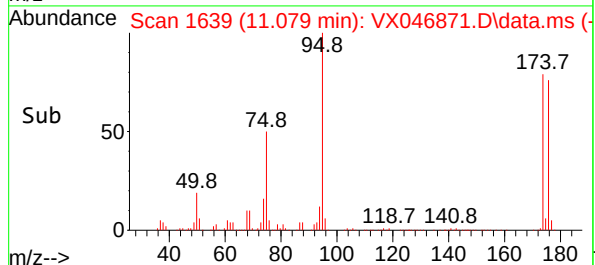
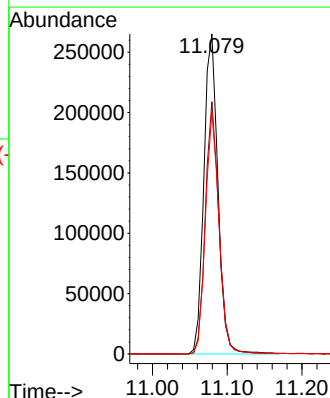
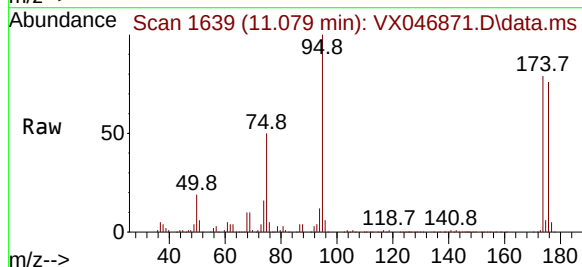
Tgt Ion: 95 Resp: 346730

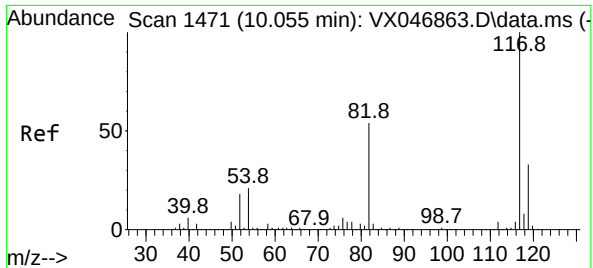
Ion Ratio Lower Upper

95 100

174 76.3 0.0 152.0

176 73.3 0.0 145.2

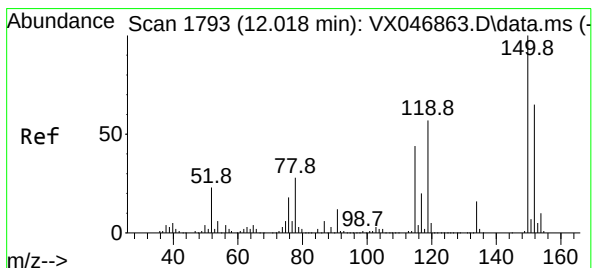
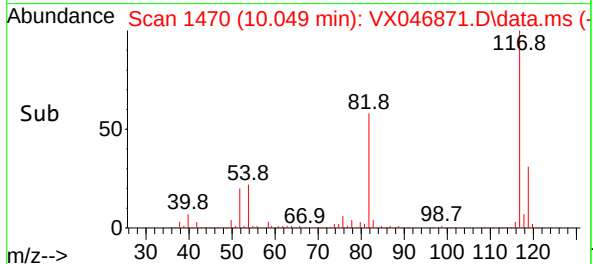
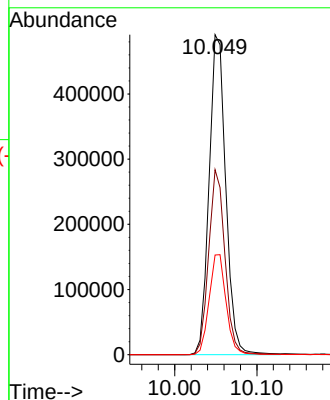
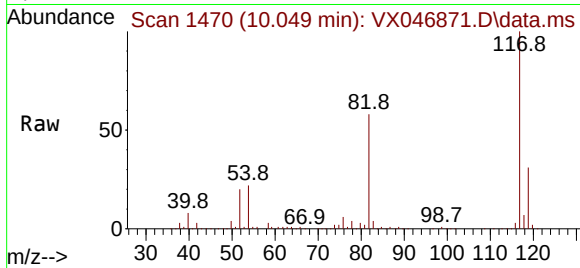




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

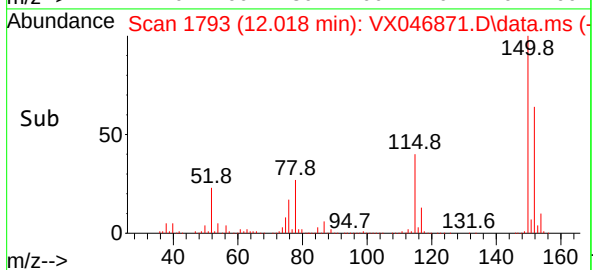
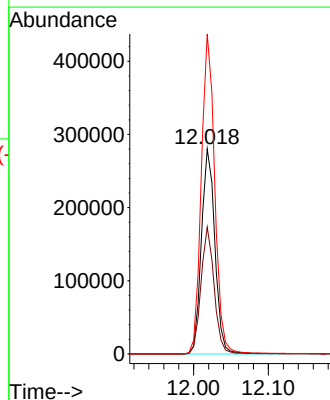
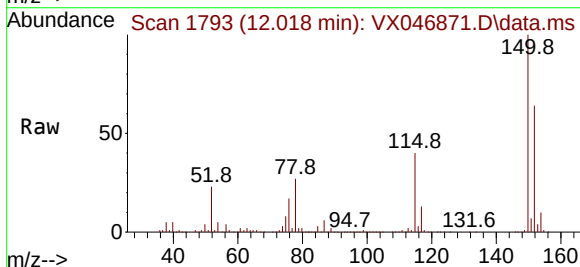
Instrument :
MSVOA_X
ClientSampleId :
VX0703WBL01

Tgt Ion:117 Resp: 691838
Ion Ratio Lower Upper
117 100
82 57.8 43.3 64.9
119 31.1 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046871.D
Acq: 03 Jul 2025 09:09

Tgt Ion:152 Resp: 351915
Ion Ratio Lower Upper
152 100
115 60.5 42.4 127.1
150 155.3 0.0 349.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBL01

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_X\Method\82X070225W.M

Title : SW846 8260

Signal : TIC: VX046871.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.391	693	706	722	rBV3	252459	806462	33.72%	6.238%
2	5.556	722	733	755	rVB	417520	1288634	53.88%	9.968%
3	5.958	789	799	821	rBV	275779	796159	33.29%	6.159%
4	6.763	921	931	955	rBV	682915	1758304	73.51%	13.601%
5	8.647	1234	1240	1263	rBV	1501135	2391896	100.00%	18.503%
6	10.049	1465	1470	1488	rBV	1509598	2122659	88.74%	16.420%
7	11.079	1633	1639	1655	rBV	1270871	1647557	68.88%	12.745%
8	12.018	1788	1793	1805	rBV	1706389	2115618	88.45%	16.366%

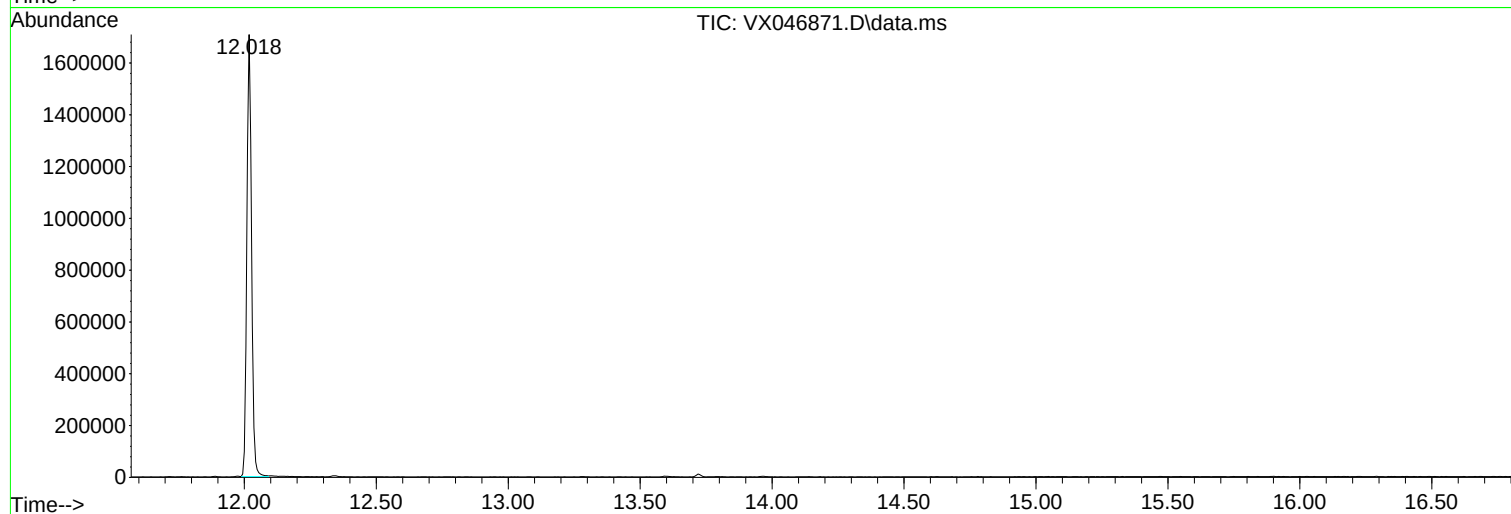
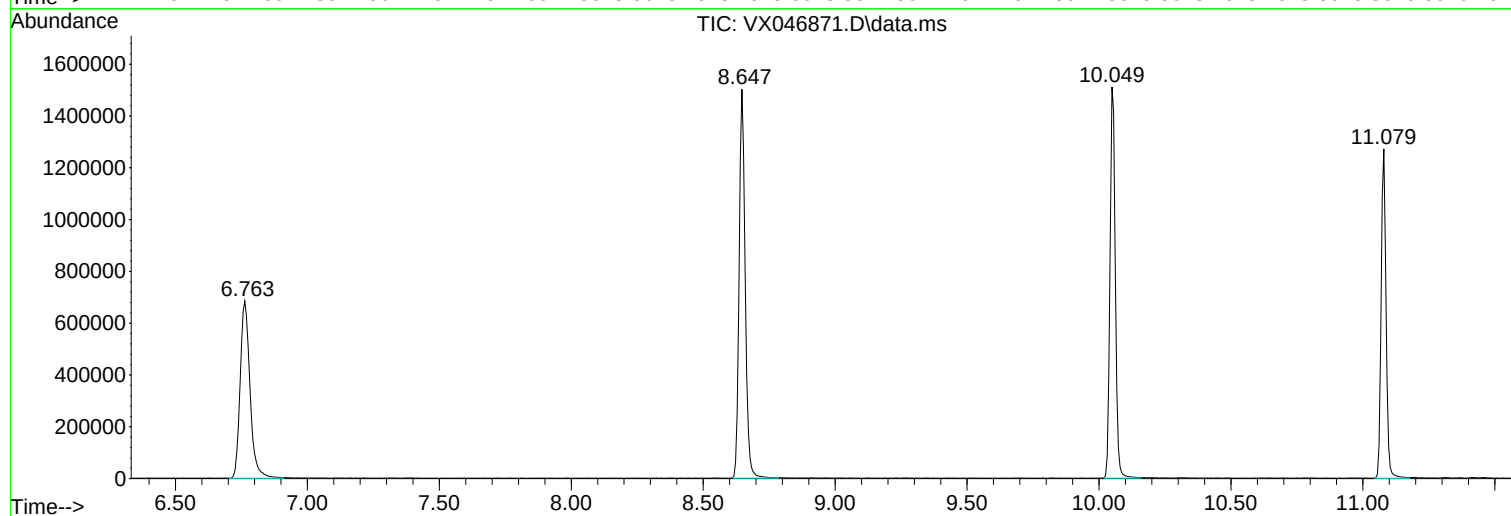
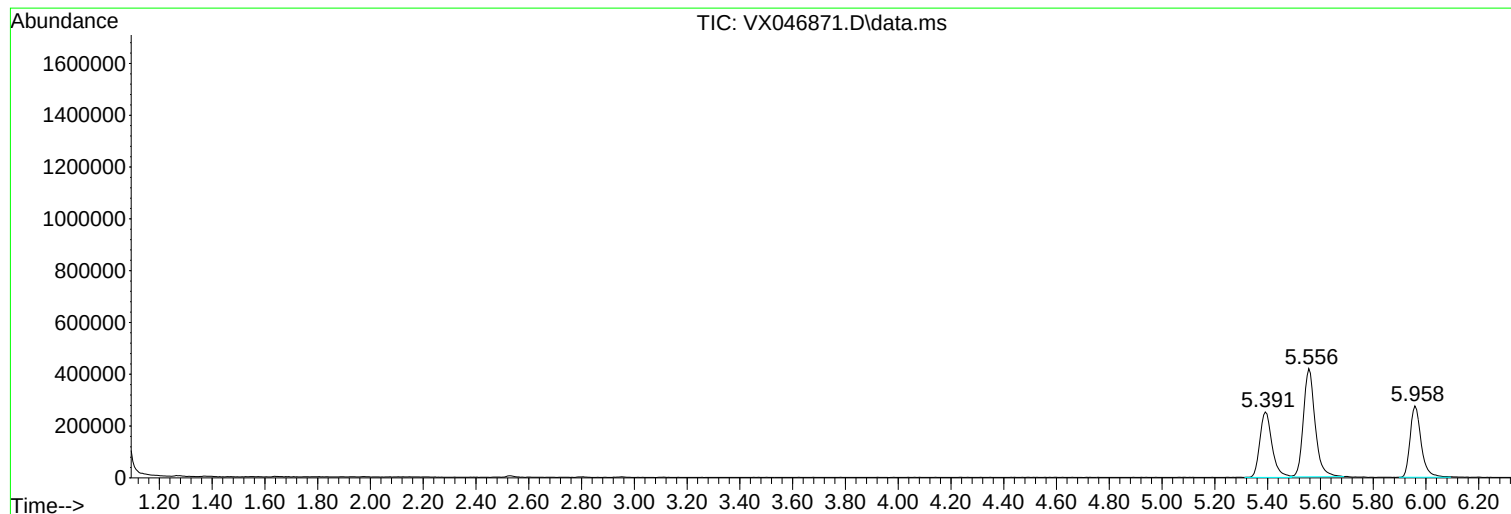
Sum of corrected areas: 12927289

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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_X\Data\VX070325\
Data File : VX046871.D
Acq On : 03 Jul 2025 09:09
Operator : JC/MD
Sample : VX0703WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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:	Capra	Date Received:	
Client Sample ID:	VX0715MBL01	SDG No.:	Q2503
Lab Sample ID:	VX0715MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046989.D	1	07/15/25 10:39	VX071525

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:	Capra	Date Received:	
Client Sample ID:	VX0715MBL01	SDG No.:	Q2503
Lab Sample ID:	VX0715MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046989.D	1	07/15/25 10:39	VX071525

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	52.4		63 - 155	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	48.5		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		17 - 146	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	343000	5.562			
540-36-3	1,4-Difluorobenzene	579000	6.769			
3114-55-4	Chlorobenzene-d5	530000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	275000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VX0715MBL01	SDG No.:	Q2503
Lab Sample ID:	VX0715MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046989.D	1	07/15/25 10:39	VX071525

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_X\Data\VX071525\
 Data File : VX046989.D
 Acq On : 15 Jul 2025 10:39
 Operator : JC/MD
 Sample : VX0715MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715MBL01

Quant Time: Jul 16 02:21:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	342671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	579223	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	530422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	275487	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	237011	52.355	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.700%
35) Dibromofluoromethane	5.403	113	190701	48.502	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.000%
50) Toluene-d8	8.653	98	672365	48.469	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.940%
62) 4-Bromofluorobenzene	11.079	95	275251	52.208	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.420%

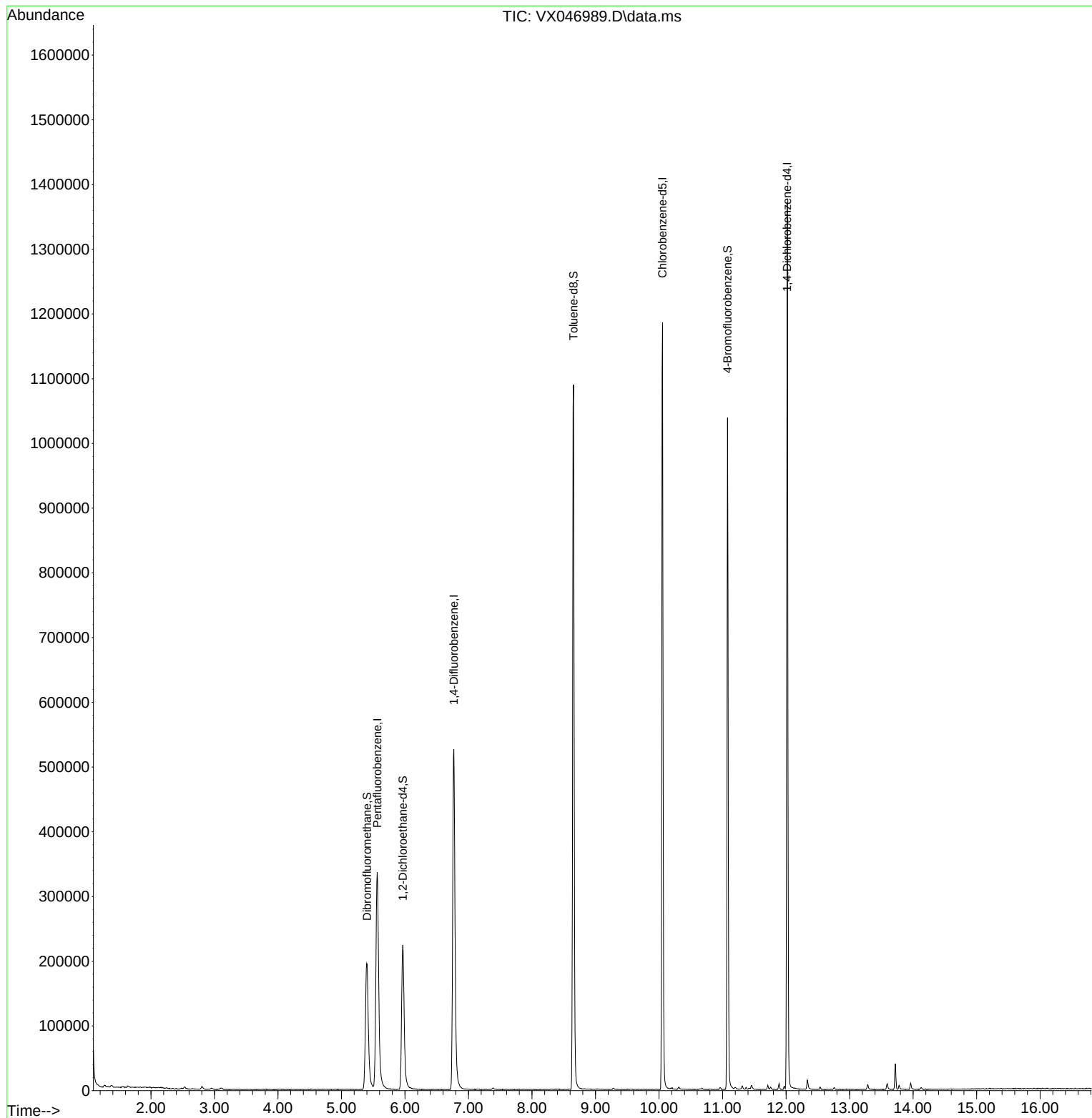
Target Compounds	Qvalue

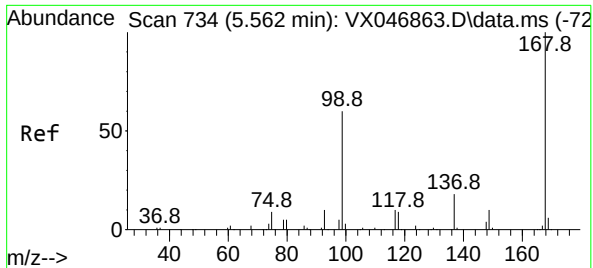
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

Quant Time: Jul 16 02:21:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

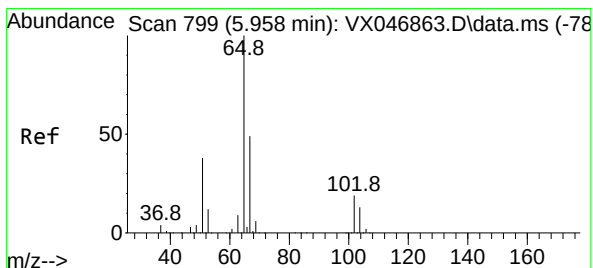
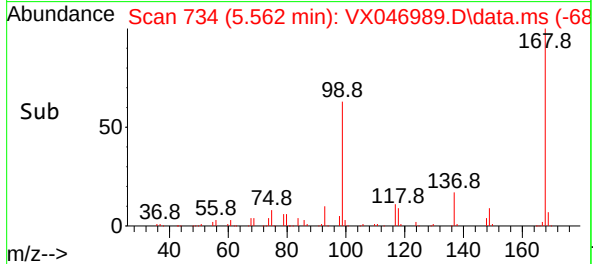
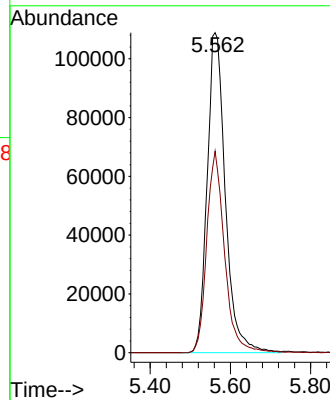
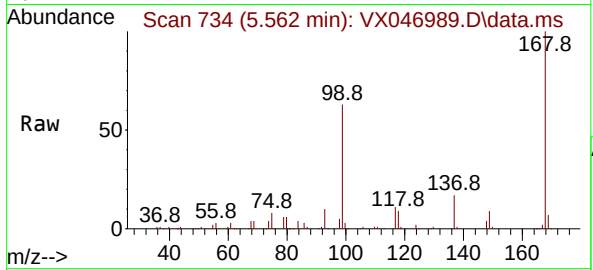




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

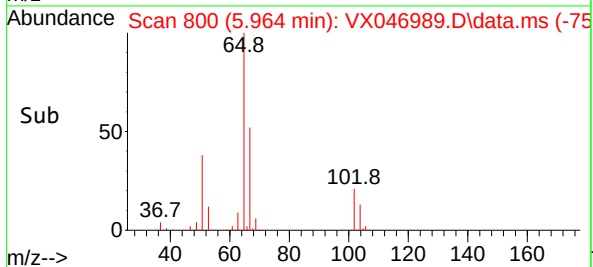
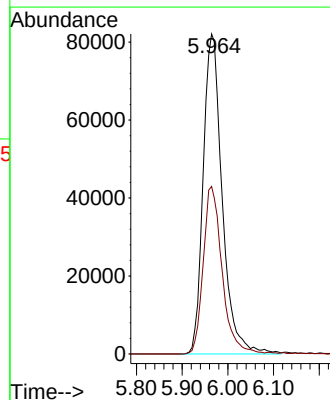
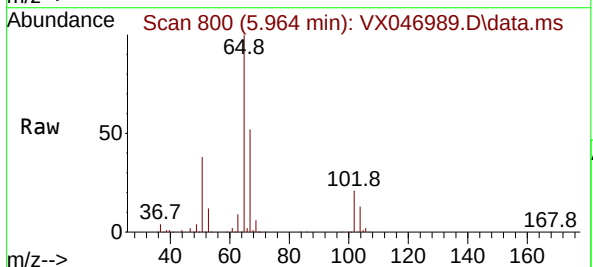
Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

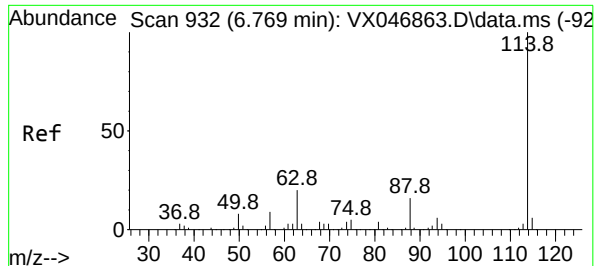
Tgt Ion:168 Resp: 342671
Ion Ratio Lower Upper
168 100
99 62.9 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 52.355 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046989.D
Acq: 15 Jul 2025 10:39

Tgt Ion: 65 Resp: 237011
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

Instrument :

MSVOA_X

ClientSampleId :

VX0715MBL01

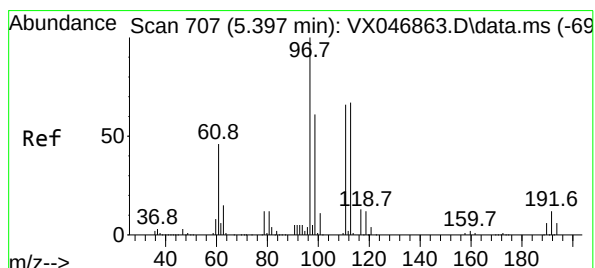
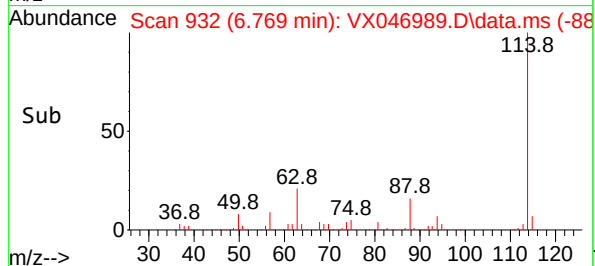
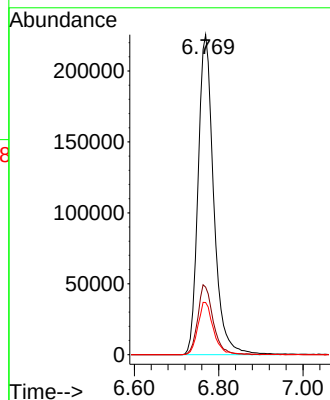
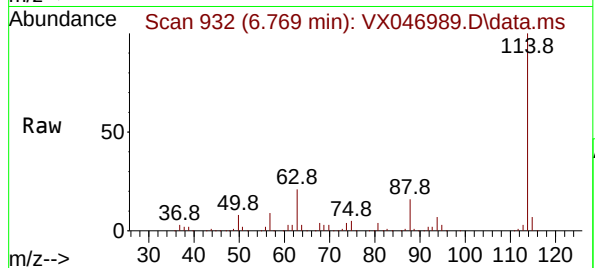
Tgt Ion:114 Resp: 579223

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.4

88 16.3 0.0 31.0



#35

Dibromofluoromethane

Concen: 48.502 ug/l

RT: 5.403 min Scan# 708

Delta R.T. 0.006 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

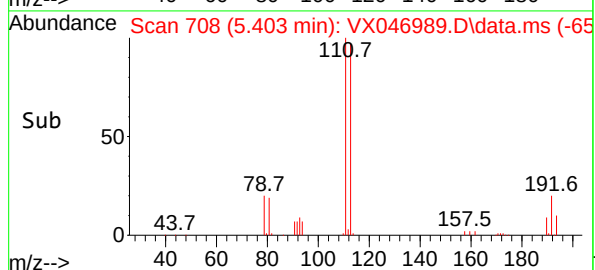
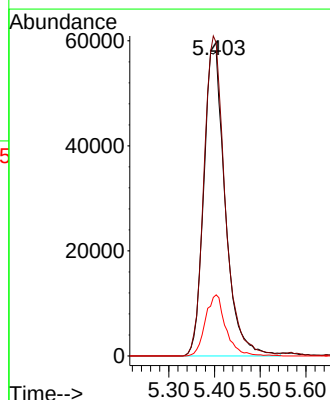
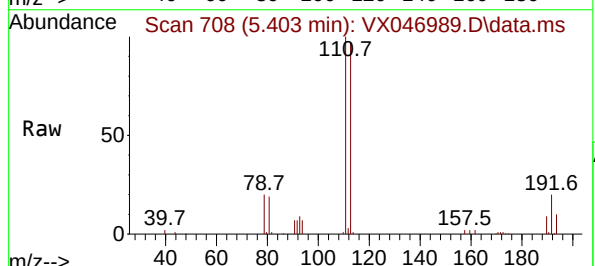
Tgt Ion:113 Resp: 190701

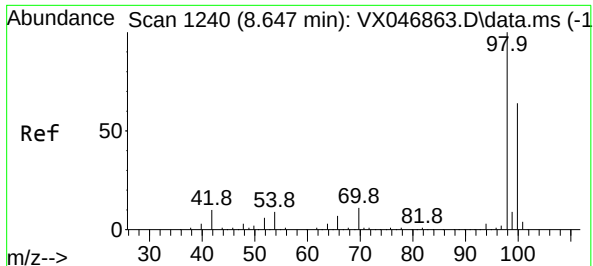
Ion Ratio Lower Upper

113 100

111 102.7 81.2 121.8

192 18.9 15.3 22.9





#50

Toluene-d8

Concen: 48.469 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

Instrument :

MSVOA_X

ClientSampleId :

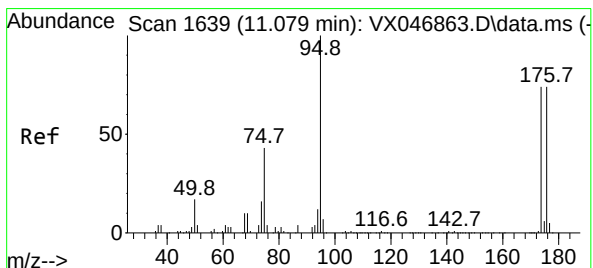
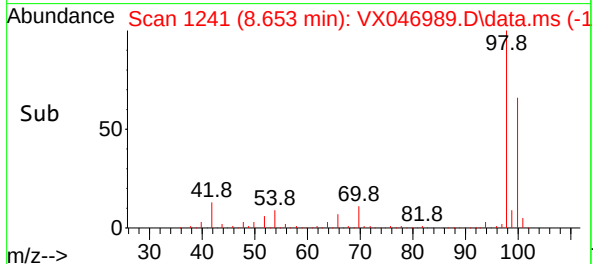
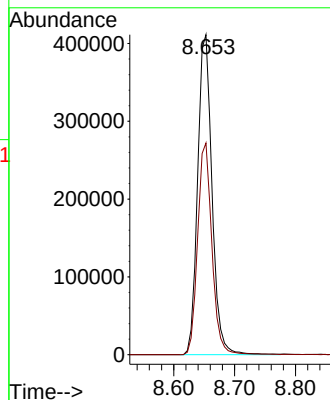
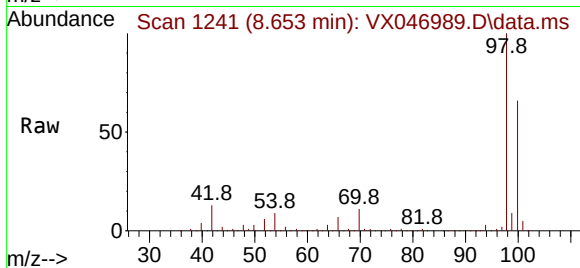
VX0715MBL01

Tgt Ion: 98 Resp: 672365

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6



#62

4-Bromofluorobenzene

Concen: 52.208 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

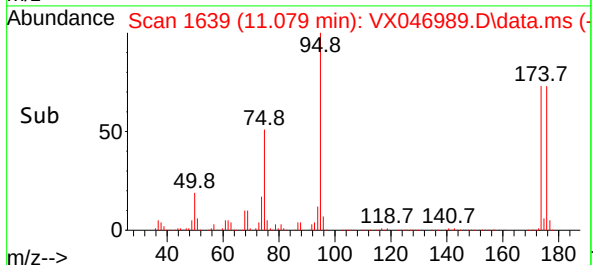
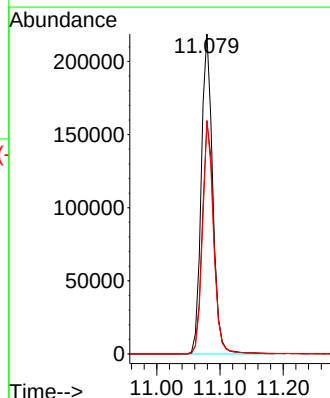
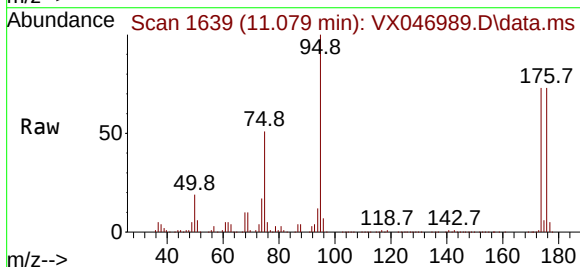
Tgt Ion: 95 Resp: 275251

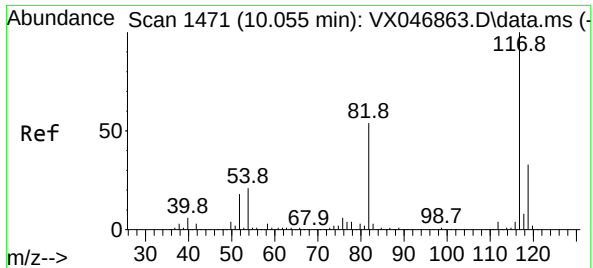
Ion Ratio Lower Upper

95 100

174 73.5 0.0 152.0

176 70.0 0.0 145.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

Instrument :

MSVOA_X

ClientSampleId :

VX0715MBL01

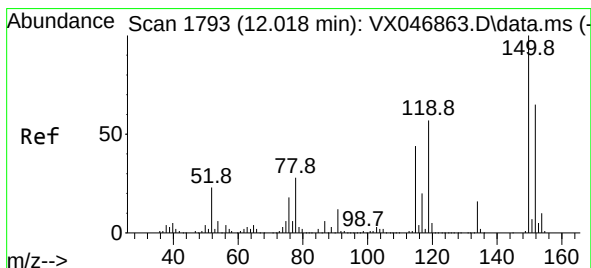
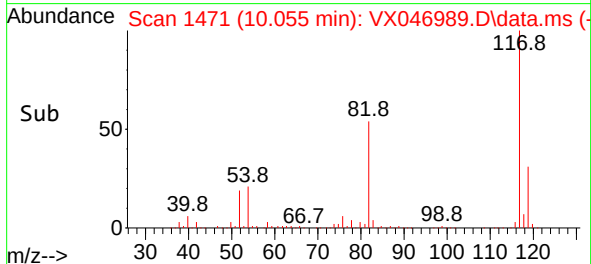
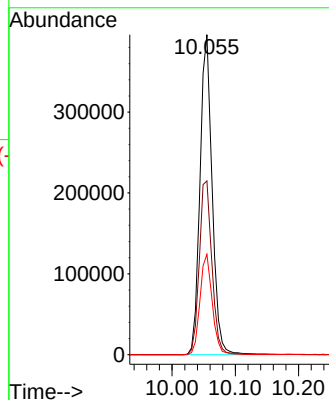
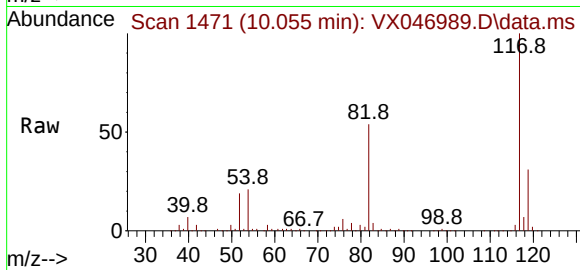
Tgt Ion:117 Resp: 530422

Ion Ratio Lower Upper

117 100

82 54.3 43.3 64.9

119 31.4 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046989.D

Acq: 15 Jul 2025 10:39

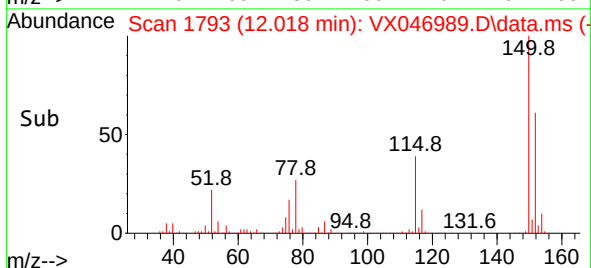
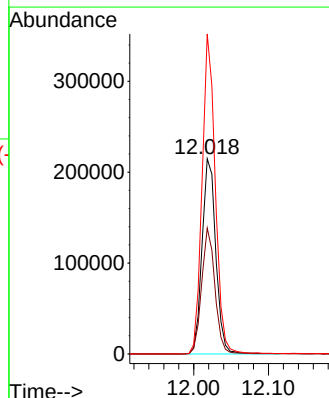
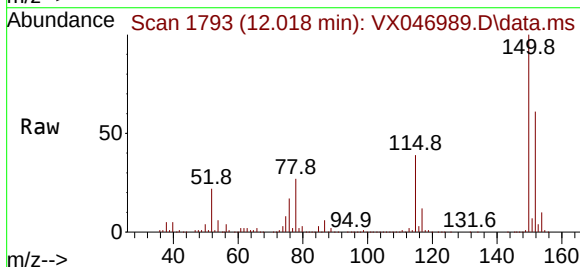
Tgt Ion:152 Resp: 275487

Ion Ratio Lower Upper

152 100

115 62.1 42.4 127.1

150 156.5 0.0 349.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

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_X\Method\82X070225W.M

Title : SW846 8260

Signal : TIC: VX046989.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.397	696	707	723	rBV2	194944	630896	34.97%	6.188%
2	5.562	724	734	757	rVB	333513	1034092	57.32%	10.143%
3	5.964	790	800	818	rBV	222994	640477	35.50%	6.282%
4	6.769	922	932	958	rBV	525420	1365657	75.70%	13.396%
5	8.653	1234	1241	1261	rBV	1088939	1803965	100.00%	17.695%
6	10.055	1465	1471	1484	rBV	1185356	1641981	91.02%	16.106%
7	11.079	1634	1639	1655	rBV	1037479	1298378	71.97%	12.736%
8	12.018	1788	1793	1805	rBV	1368985	1703901	94.45%	16.714%
9	12.335	1841	1845	1857	rVB2	14253	22657	1.26%	0.222%
10	13.719	2068	2072	2079	rBV2	39916	52673	2.92%	0.517%

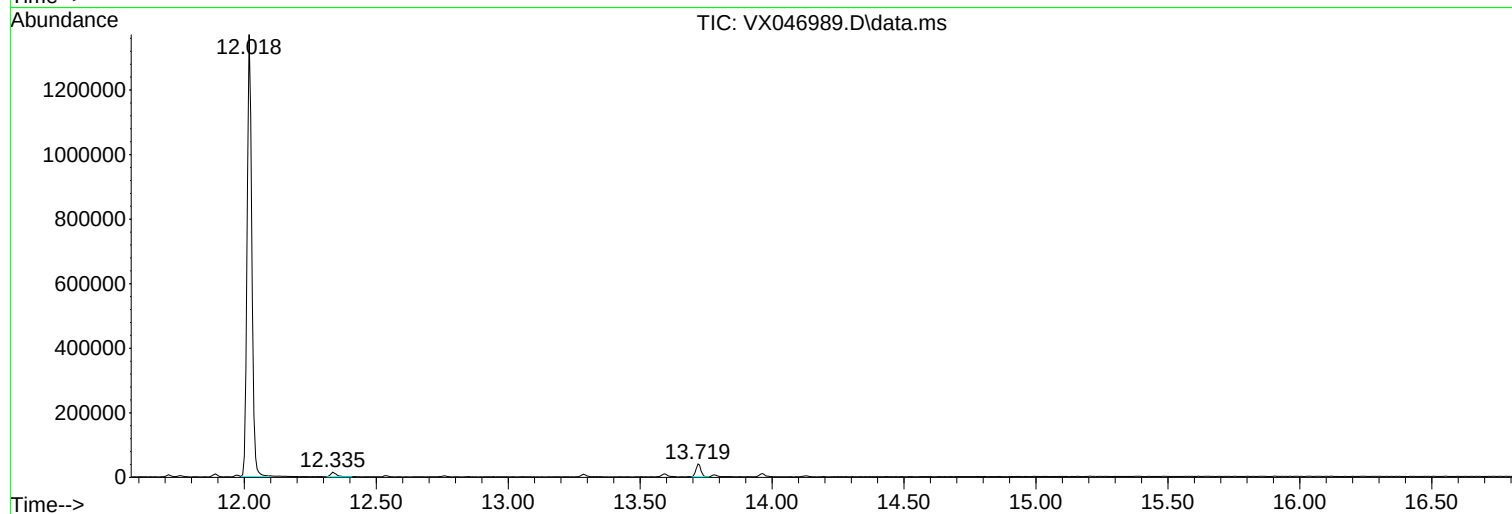
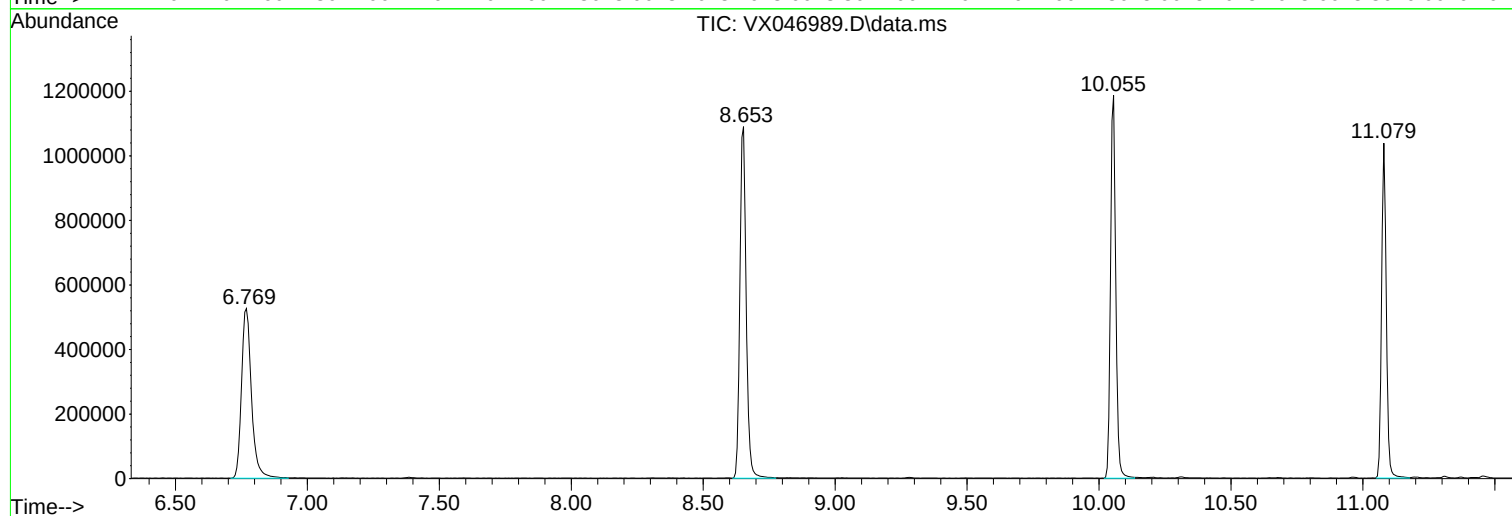
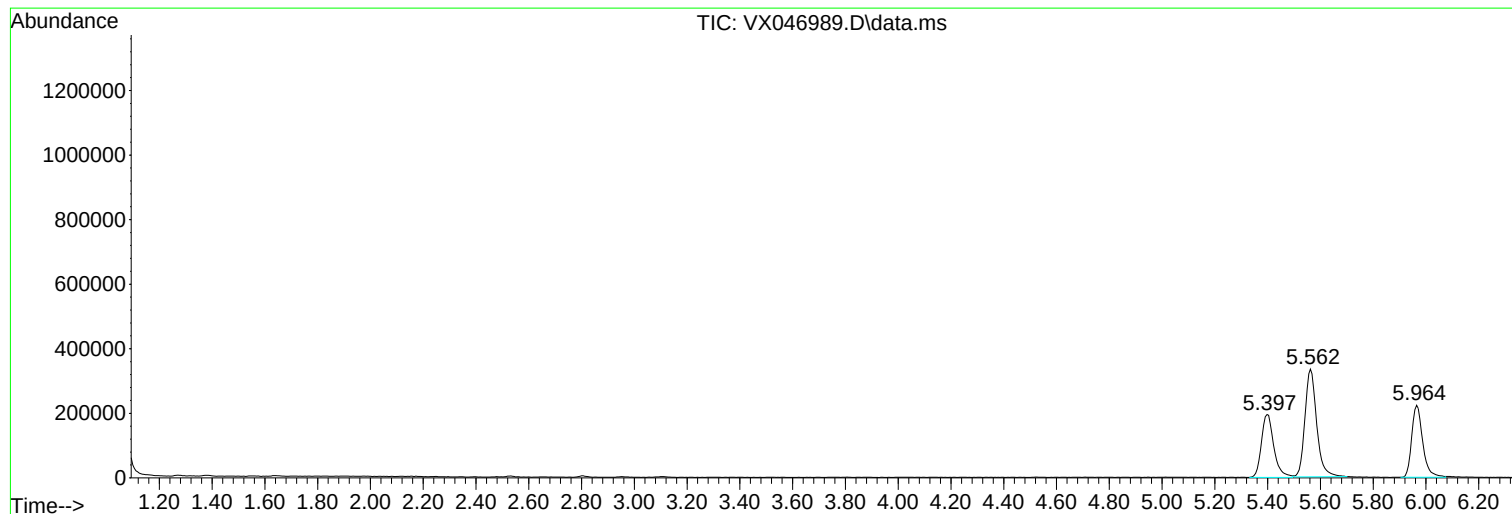
Sum of corrected areas: 10194677

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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_X\Data\VX071525\
Data File : VX046989.D
Acq On : 15 Jul 2025 10:39
Operator : JC/MD
Sample : VX0715MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0715MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.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:	Capra	Date Received:	
Client Sample ID:	VW0714SBS01	SDG No.:	Q2503
Lab Sample ID:	VW0714SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VW031838.D	1	07/14/25 10:14	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	16.8		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	87.1		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	96.3		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	17.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	22.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.7		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.4		0.91	5.00	ug/Kg
71-43-2	Benzene	20.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	94.7		3.60	25.0	ug/Kg
108-88-3	Toluene	21.4		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0714SBS01	SDG No.:	Q2503
Lab Sample ID:	VW0714SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VW031838.D	1	07/14/25 10:14	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	95.7		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	17.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	21.2		0.82	5.00	ug/Kg
100-42-5	Styrene	21.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.0		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.6		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	51.4		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		17 - 146	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	7.959			
540-36-3	1,4-Difluorobenzene	419000	8.849			
3114-55-4	Chlorobenzene-d5	378000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	172000	13.556			

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	VW0714SBS01			SDG No.:	Q2503
Lab Sample ID:	VW0714SBS01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031838.D	1	07/14/25 10:14	VW071425

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_W\Data\VW071425\
 Data File : VW031838.D
 Acq On : 14 Jul 2025 10:14
 Operator : SY/MD
 Sample : VW0714SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBS01

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 07/15/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	217952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	419177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	378051	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	171979	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	168287	53.803	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 107.600%	
35) Dibromofluoromethane	7.898	113	135758	49.632	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 99.260%	
50) Toluene-d8	10.325	98	523647	51.443	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 102.880%	
62) 4-Bromofluorobenzene	12.617	95	195906	52.298	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 104.600%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	27886	18.787	ug/l	98
3) Chloromethane	2.259	50	35130	19.631	ug/l	98
4) Vinyl Chloride	2.405	62	48367	20.563	ug/l	96
5) Bromomethane	2.826	94	37087	20.187	ug/l	97
6) Chloroethane	2.978	64	32246	20.183	ug/l	99
7) Trichlorofluoromethane	3.308	101	35827	16.772	ug/l	89
8) Diethyl Ether	3.722	74	34493	21.250	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.112	101	46137	19.459	ug/l	98
10) Methyl Iodide	4.314	142	74062	20.262	ug/l	99
11) Tert butyl alcohol	5.222	59	17708	91.382	ug/l	98
12) 1,1-Dichloroethene	4.082	96	53161	20.470	ug/l	96
13) Acrolein	3.936	56	25657	73.666	ug/l	96
14) Allyl chloride	4.704	41	85131	21.365	ug/l	98
15) Acrylonitrile	5.405	53	79618	99.746	ug/l	98
16) Acetone	4.167	43	67311	87.065	ug/l	98
17) Carbon Disulfide	4.417	76	129954	18.700	ug/l	98
18) Methyl Acetate	4.704	43	41025	18.567	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	100300	22.754	ug/l	99
20) Methylene Chloride	4.954	84	82155	24.047	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	59787	21.666	ug/l	94
22) Diisopropyl ether	6.338	45	180883	23.276	ug/l	98
23) Vinyl Acetate	6.283	43	575226	108.368	ug/l	98
24) 1,1-Dichloroethane	6.246	63	111909	22.212	ug/l	98
25) 2-Butanone	7.197	43	96881	96.323	ug/l	98
26) 2,2-Dichloropropane	7.191	77	58709	19.972	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	70817	22.325	ug/l	100
28) Bromochloromethane	7.533	49	48752	21.927	ug/l	100
29) Tetrahydrofuran	7.557	42	67445	97.917	ug/l	99
30) Chloroform	7.691	83	121573	22.708	ug/l	93
31) Cyclohexane	7.971	56	87883	19.733	ug/l	97
32) 1,1,1-Trichloroethane	7.892	97	85467	20.716	ug/l	98
36) 1,1-Dichloropropene	8.093	75	80692	20.386	ug/l	99
37) Ethyl Acetate	7.276	43	48330	19.356	ug/l	99
38) Carbon Tetrachloride	8.087	117	72347	17.937	ug/l	96
39) Methylcyclohexane	9.343	83	90567	18.391	ug/l	100
40) Benzene	8.337	78	245256	20.943	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031838.D
 Acq On : 14 Jul 2025 10:14
 Operator : SY/MD
 Sample : VW0714SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/15/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	25451	19.028	ug/l	92
42) 1,2-Dichloroethane	8.410	62	80807	20.422	ug/l	100
43) Isopropyl Acetate	8.435	43	81753	18.994	ug/l	97
44) Trichloroethene	9.099	130	59908	20.496	ug/l	99
45) 1,2-Dichloropropane	9.374	63	60430	21.351	ug/l	99
46) Dibromomethane	9.465	93	37053	20.278	ug/l	97
47) Bromodichloromethane	9.654	83	89016	20.775	ug/l	100
48) Methyl methacrylate	9.441	41	39807	18.809	ug/l	97
49) 1,4-Dioxane	9.465	88	7132	333.258	ug/l #	91
51) 4-Methyl-2-Pentanone	10.215	43	234264	94.673	ug/l	99
52) Toluene	10.392	92	160699	21.433	ug/l	96
53) t-1,3-Dichloropropene	10.611	75	82105	20.423	ug/l	95
54) cis-1,3-Dichloropropene	10.075	75	95843	21.030	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	49673	20.753	ug/l	95
56) Ethyl methacrylate	10.648	69	67972	20.932	ug/l	96
57) 1,3-Dichloropropane	10.934	76	87785	20.890	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	179746	100.524	ug/l	99
59) 2-Hexanone	10.971	43	160456	95.692	ug/l	99
60) Dibromochloromethane	11.129	129	57188	19.980	ug/l	97
61) 1,2-Dibromoethane	11.239	107	46829	19.544	ug/l	98
64) Tetrachloroethene	10.867	164	43730	17.684	ug/l	93
65) Chlorobenzene	11.654	112	169717	20.347	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.727	131	54487	20.499	ug/l	100
67) Ethyl Benzene	11.733	91	300085	20.747	ug/l	99
68) m/p-Xylenes	11.843	106	231057	41.556	ug/l	100
69) o-Xylene	12.166	106	109337	21.238	ug/l	99
70) Styrene	12.178	104	191458	21.513	ug/l	99
71) Bromoform	12.349	173	29021	18.302	ug/l #	100
73) Isopropylbenzene	12.465	105	275112	21.030	ug/l	99
74) N-amyl acetate	12.269	43	74524	21.136	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	60325	20.771	ug/l	98
76) 1,2,3-Trichloropropane	12.769	75	46070m	20.729	ug/l	
77) Bromobenzene	12.745	156	64951	22.261	ug/l	88
78) n-propylbenzene	12.800	91	343558	21.932	ug/l	98
79) 2-Chlorotoluene	12.891	91	208461	22.099	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	246277	22.744	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	17902	18.762	ug/l	93
82) 4-Chlorotoluene	12.983	91	221618	22.378	ug/l	98
83) tert-Butylbenzene	13.202	119	198157	21.364	ug/l	100
84) 1,2,4-Trimethylbenzene	13.245	105	253100	23.069	ug/l	96
85) sec-Butylbenzene	13.379	105	300477	21.583	ug/l	100
86) p-Isopropyltoluene	13.495	119	259099	22.582	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	119680	20.454	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	129229	21.578	ug/l	95
89) n-Butylbenzene	13.818	91	240051	21.533	ug/l	99
90) Hexachloroethane	14.086	117	42673	20.615	ug/l	97
91) 1,2-Dichlorobenzene	13.867	146	115441	21.586	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	10337	18.229	ug/l	95
93) 1,2,4-Trichlorobenzene	15.123	180	68117	20.653	ug/l	98
94) Hexachlorobutadiene	15.226	225	30212	18.970	ug/l	90
95) Naphthalene	15.360	128	165126	20.421	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	62893	20.753	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031838.D
Acq On : 14 Jul 2025 10:14
Operator : SY/MD
Sample : VW0714SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

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

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

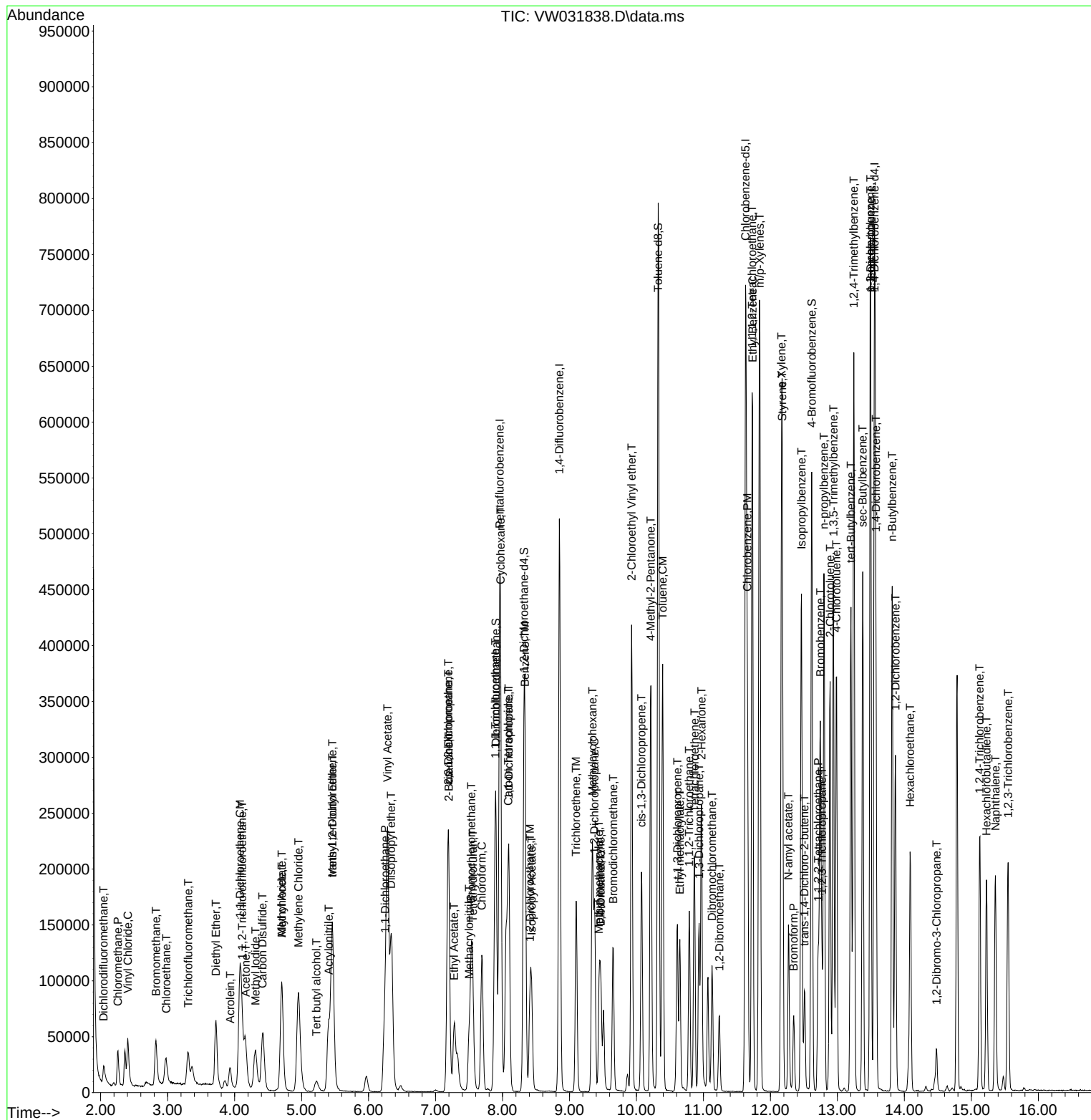
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031838.D
Acq On : 14 Jul 2025 10:14
Operator : SY/MD
Sample : VW0714SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBS01

Manual Integrations

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0703WBS01		SDG No.:	Q2503
Lab Sample ID:	VX0703WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046873.D	1	07/03/25 09:56	VX070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.7		0.22	1.00	ug/L
74-87-3	Chloromethane	19.0		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.7		0.26	1.00	ug/L
74-83-9	Bromomethane	20.5		1.40	5.00	ug/L
75-00-3	Chloroethane	18.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.8		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.8		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	1.00	ug/L
67-64-1	Acetone	86.7		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.2		1.50	5.00	ug/L
78-93-3	2-Butanone	93.1		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.0		0.19	1.00	ug/L
74-97-5	Bromochloromethane	16.0		0.22	1.00	ug/L
67-66-3	Chloroform	19.1		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.6		0.16	1.00	ug/L
71-43-2	Benzene	18.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.2		0.68	5.00	ug/L
108-88-3	Toluene	19.1		0.14	1.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0703WBS01		SDG No.:	Q2503
Lab Sample ID:	VX0703WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046873.D	1	07/03/25 09:56	VX070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.5		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.1		0.21	1.00	ug/L
591-78-6	2-Hexanone	92.1		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.6		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.0		0.24	2.00	ug/L
95-47-6	o-Xylene	18.7		0.12	1.00	ug/L
100-42-5	Styrene	19.3		0.15	1.00	ug/L
75-25-2	Bromoform	18.3		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.2		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.5		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.9		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	381000	5.562			
540-36-3	1,4-Difluorobenzene	632000	6.769			
3114-55-4	Chlorobenzene-d5	573000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	294000	12.018			

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Capra			Date Received:	
Client Sample ID:	VX0703WBS01			SDG No.:	Q2503
Lab Sample ID:	VX0703WBS01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046873.D	1	07/03/25 09:56	VX070325

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_X\Data\VX070325\
 Data File : VX046873.D
 Acq On : 03 Jul 2025 09:56
 Operator : JC/MD
 Sample : VX0703WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2025
 Supervised By : Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:26:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	380935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	631809	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	293826	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	250995	49.875	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.740%
35) Dibromofluoromethane	5.397	113	210542	49.092	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.180%
50) Toluene-d8	8.646	98	750632	49.607	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.220%
62) 4-Bromofluorobenzene	11.079	95	291553	50.697	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.184	85	68036	18.675	ug/l	97
3) Chloromethane	1.306	50	75722	19.024	ug/l	98
4) Vinyl Chloride	1.386	62	80875	18.658	ug/l	97
5) Bromomethane	1.629	94	57067	20.491	ug/l	95
6) Chloroethane	1.709	64	51958	18.153	ug/l	97
7) Trichlorofluoromethane	1.910	101	125782	18.767	ug/l	100
8) Diethyl Ether	2.148	74	44233	18.546	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	80482	18.845	ug/l	99
10) Methyl Iodide	2.471	142	81435	17.503	ug/l	95
11) Tert butyl alcohol	2.952	59	29156	88.336	ug/l	99
12) 1,1-Dichloroethene	2.337	96	75156	18.194	ug/l	99
13) Acrolein	2.251	56	32484	90.891	ug/l	98
14) Allyl chloride	2.684	41	135287	18.396	ug/l	99
15) Acrylonitrile	3.074	53	177334	92.929	ug/l	99
16) Acetone	2.385	43	135535	86.703	ug/l	99
17) Carbon Disulfide	2.532	76	194647	17.968	ug/l	99
18) Methyl Acetate	2.715	43	79351	19.259	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	220287	18.885	ug/l	100
20) Methylene Chloride	2.806	84	85406	18.476	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	80998	19.163	ug/l	92
22) Diisopropyl ether	3.769	45	278055	19.570	ug/l	91
23) Vinyl Acetate	3.733	43	1002297	94.162	ug/l	100
24) 1,1-Dichloroethane	3.629	63	153606	18.957	ug/l	98
25) 2-Butanone	4.568	43	194141	93.086	ug/l	98
26) 2,2-Dichloropropane	4.495	77	109423	18.145	ug/l	98
27) cis-1,2-Dichloroethene	4.507	96	98001	18.990	ug/l	99
28) Bromochloromethane	4.909	49	63945	15.990	ug/l	99
29) Tetrahydrofuran	5.013	42	125617	94.485	ug/l	99
30) Chloroform	5.104	83	157900	19.074	ug/l	99
31) Cyclohexane	5.488	56	138302	19.226	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	130237	18.831	ug/l	99
36) 1,1-Dichloropropene	5.708	75	104793	18.110	ug/l	98
37) Ethyl Acetate	4.726	43	81519	16.541	ug/l	96
38) Carbon Tetrachloride	5.690	117	111817	18.278	ug/l	96
39) Methylcyclohexane	7.385	83	134672	18.606	ug/l	95
40) Benzene	6.049	78	331479	18.939	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046873.D
 Acq On : 03 Jul 2025 09:56
 Operator : JC/MD
 Sample : VX0703WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2025
 Supervised By : Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:26:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	49384	18.784	ug/l	95
42) 1,2-Dichloroethane	6.092	62	110414	18.579	ug/l	99
43) Isopropyl Acetate	6.348	43	142626	18.894	ug/l	100
44) Trichloroethene	7.135	130	83932	18.422	ug/l	99
45) 1,2-Dichloropropane	7.433	63	82453	18.647	ug/l	100
46) Dibromomethane	7.586	93	56307	18.378	ug/l	97
47) Bromodichloromethane	7.823	83	122976	18.798	ug/l	97
48) Methyl methacrylate	7.695	41	72971	18.721	ug/l	99
49) 1,4-Dioxane	7.665	88	16908	374.371	ug/l #	91
51) 4-Methyl-2-Pentanone	8.573	43	424297	95.238	ug/l	99
52) Toluene	8.720	92	207111	19.096	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	107683	18.444	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	123427	18.521	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	77121	19.091	ug/l	97
56) Ethyl methacrylate	9.116	69	105762	18.916	ug/l	99
57) 1,3-Dichloropropane	9.311	76	132209	19.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	274129	87.015	ug/l	100
59) 2-Hexanone	9.427	43	272293	92.144	ug/l	99
60) Dibromochloromethane	9.518	129	89907	18.597	ug/l	100
61) 1,2-Dibromoethane	9.610	107	75647	18.646	ug/l	100
64) Tetrachloroethene	9.274	164	70534	18.503	ug/l	95
65) Chlorobenzene	10.079	112	230093	18.588	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.158	131	77000	18.504	ug/l	98
67) Ethyl Benzene	10.195	91	400024	18.870	ug/l	98
68) m/p-Xylenes	10.299	106	303388	37.980	ug/l	99
69) o-Xylene	10.640	106	144569	18.736	ug/l	99
70) Styrene	10.652	104	255321	19.340	ug/l	100
71) Bromoform	10.799	173	56499	18.260	ug/l	100
73) Isopropylbenzene	10.963	105	384896	18.634	ug/l	100
74) N-amyl acetate	10.841	43	127048	18.101	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	103145	18.161	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	80806m	17.799	ug/l	
77) Bromobenzene	11.195	156	93265	18.128	ug/l	98
78) n-propylbenzene	11.298	91	461151	18.516	ug/l	100
79) 2-Chlorotoluene	11.359	91	274010	18.632	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	314655	18.748	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28155	16.642	ug/l	96
82) 4-Chlorotoluene	11.451	91	317541	18.711	ug/l	98
83) tert-Butylbenzene	11.713	119	326204	18.819	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	318339	18.766	ug/l	96
85) sec-Butylbenzene	11.890	105	411978	18.850	ug/l	100
86) p-Isopropyltoluene	12.006	119	340932	18.628	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	177009	18.396	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	180023	17.977	ug/l	99
89) n-Butylbenzene	12.329	91	317598	18.468	ug/l	99
90) Hexachloroethane	12.536	117	56665	17.465	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	172751	18.527	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	17485	17.601	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	112828	17.812	ug/l	99
94) Hexachlorobutadiene	13.719	225	44266	18.530	ug/l	100
95) Naphthalene	13.774	128	308131	18.460	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	107332	17.933	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046873.D
Acq On : 03 Jul 2025 09:56
Operator : JC/MD
Sample : VX0703WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:26:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

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

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

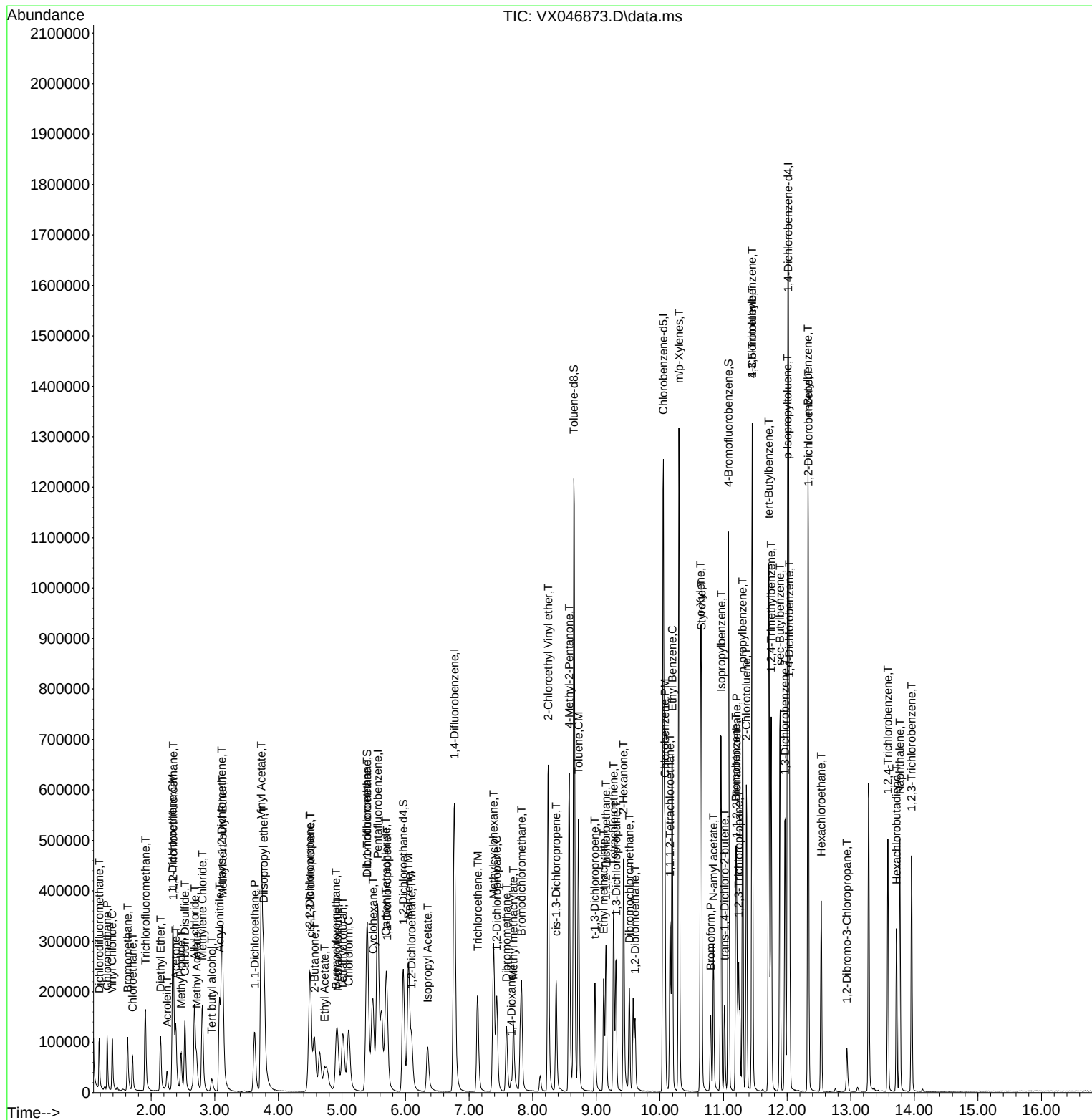
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\  
Data File : VX046873.D  
Acq On    : 03 Jul 2025   09:56  
Operator  : JC/MD  
Sample    : VX0703WBS01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBS01

Manual Integrations

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:26:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VX0715MBS01	SDG No.:	Q2503
Lab Sample ID:	VX0715MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047007.D	1	07/15/25 17:06	VX071525

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	1700		110	500	ug/Kg
75-01-4	Vinyl Chloride	1800		79.0	500	ug/Kg
74-83-9	Bromomethane	1800		110	500	ug/Kg
75-00-3	Chloroethane	1900		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	1900		100	500	ug/Kg
67-64-1	Acetone	12400		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1500		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2400		73.0	500	ug/Kg
79-20-9	Methyl Acetate	3100		150	500	ug/Kg
75-09-2	Methylene Chloride	2000		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1900		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	2000		80.0	500	ug/Kg
110-82-7	Cyclohexane	1900		79.0	500	ug/Kg
78-93-3	2-Butanone	14000		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1900		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2000		75.0	500	ug/Kg
74-97-5	Bromochloromethane	2200		120	500	ug/Kg
67-66-3	Chloroform	2100		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	2100		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1700		91.0	500	ug/Kg
71-43-2	Benzene	1900		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	2100		79.0	500	ug/Kg
79-01-6	Trichloroethene	1800		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	2000		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	2000		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13900		360	2500	ug/Kg
108-88-3	Toluene	2000		78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VX0715MBS01	SDG No.:	Q2503
Lab Sample ID:	VX0715MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047007.D	1	07/15/25 17:06	VX071525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2000		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2000		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	2100		92.0	500	ug/Kg
591-78-6	2-Hexanone	14500		370	2500	ug/Kg
124-48-1	Dibromochloromethane	2000		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	2100		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1800		110	500	ug/Kg
108-90-7	Chlorobenzene	2000		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	2000		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3900		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	2100		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	2000		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2400		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	2000		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1900		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	2000		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2600		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	53.9		63 - 155	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	48.5		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	310000	5.568			
540-36-3	1,4-Difluorobenzene	528000	6.769			
3114-55-4	Chlorobenzene-d5	471000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	239000	12.018			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0715MBS01		SDG No.:	Q2503
Lab Sample ID:	VX0715MBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047007.D	1	07/15/25 17:06	VX071525

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_X\Data\VX071525\
 Data File : VX047007.D
 Acq On : 15 Jul 2025 17:06
 Operator : JC/MD
 Sample : VX0715MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/16/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:30:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	310444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	528338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	471044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	239011	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	221056	53.899	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.800%	
35) Dibromofluoromethane	5.397	113	180158	50.234	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.460%	
50) Toluene-d8	8.653	98	613762	48.505	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.020%	
62) 4-Bromofluorobenzene	11.079	95	247726	51.512	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.020%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	50624	17.051	ug/l	96
3) Chloromethane	1.307	50	55529	17.119	ug/l	100
4) Vinyl Chloride	1.386	62	62621	17.728	ug/l	95
5) Bromomethane	1.624	94	41941	18.479	ug/l	98
6) Chloroethane	1.703	64	43972	18.852	ug/l	96
7) Trichlorofluoromethane	1.904	101	103643	18.976	ug/l	92
8) Diethyl Ether	2.148	74	38968	20.048	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.349	101	65726	18.885	ug/l	98
10) Methyl Iodide	2.471	142	52612	13.876	ug/l	100
11) Tert butyl alcohol	2.965	59	46075	171.294	ug/l	100
12) 1,1-Dichloroethene	2.337	96	62880	18.679	ug/l	98
13) Acrolein	2.251	56	23837	82.123	ug/l	97
14) Allyl chloride	2.678	41	121840	20.329	ug/l	98
15) Acrylonitrile	3.074	53	195273	125.565	ug/l	99
16) Acetone	2.392	43	158267	124.234	ug/l	95
17) Carbon Disulfide	2.532	76	131949	14.946	ug/l	97
18) Methyl Acetate	2.715	43	105599	31.449	ug/l	98
19) Methyl tert-butyl Ether	3.129	73	226641	23.841	ug/l	99
20) Methylene Chloride	2.806	84	76230	20.236	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	66391	19.274	ug/l	96
22) Diisopropyl ether	3.769	45	259676	22.427	ug/l #	84
23) Vinyl Acetate	3.733	43	994586	114.654	ug/l	99
24) 1,1-Dichloroethane	3.623	63	133612	20.233	ug/l	98
25) 2-Butanone	4.568	43	237692	139.846	ug/l	97
26) 2,2-Dichloropropane	4.489	77	86252	17.550	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	85137	20.243	ug/l	100
28) Bromochloromethane	4.916	49	70239	21.552	ug/l	97
29) Tetrahydrofuran	5.019	42	152661	140.899	ug/l	99
30) Chloroform	5.111	83	140047	20.759	ug/l	96
31) Cyclohexane	5.483	56	109369	18.656	ug/l	95
32) 1,1,1-Trichloroethane	5.397	97	117504	20.847	ug/l	99
36) 1,1-Dichloropropene	5.702	75	90374	18.677	ug/l	99
37) Ethyl Acetate	4.727	43	94504	22.931	ug/l	98
38) Carbon Tetrachloride	5.690	117	97550	19.069	ug/l	98
39) Methylcyclohexane	7.385	83	100843	16.660	ug/l	95
40) Benzene	6.043	78	279584	19.103	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX047007.D
 Acq On : 15 Jul 2025 17:06
 Operator : JC/MD
 Sample : VX0715MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715MBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/16/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:30:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	54774	24.914	ug/l	98
42) 1,2-Dichloroethane	6.098	62	104810	21.089	ug/l	97
43) Isopropyl Acetate	6.348	43	162099	25.679	ug/l	99
44) Trichloroethene	7.135	130	68457	17.968	ug/l	93
45) 1,2-Dichloropropane	7.433	63	73300	19.823	ug/l	92
46) Dibromomethane	7.586	93	53191	20.761	ug/l	98
47) Bromodichloromethane	7.824	83	111412	20.366	ug/l	97
48) Methyl methacrylate	7.696	41	83091	25.492	ug/l	96
49) 1,4-Dioxane	7.665	88	21863	578.886	ug/l	95
51) 4-Methyl-2-Pentanone	8.573	43	516323	138.592	ug/l	99
52) Toluene	8.720	92	179542	19.797	ug/l	97
53) t-1,3-Dichloropropene	8.982	75	97384	19.947	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	109998	19.739	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	72450	21.447	ug/l	96
56) Ethyl methacrylate	9.116	69	112348	24.029	ug/l	98
57) 1,3-Dichloropropane	9.311	76	123372	21.210	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	264524	100.410	ug/l	99
59) 2-Hexanone	9.433	43	357652	144.733	ug/l	98
60) Dibromochloromethane	9.518	129	81124	20.067	ug/l	100
61) 1,2-Dibromoethane	9.610	107	71104	20.958	ug/l	96
64) Tetrachloroethene	9.275	164	56757	18.097	ug/l	93
65) Chlorobenzene	10.079	112	199501	19.589	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	69339	20.253	ug/l	99
67) Ethyl Benzene	10.195	91	346071	19.843	ug/l	100
68) m/p-Xylenes	10.299	106	258759	39.373	ug/l	97
69) o-Xylene	10.640	106	126247	19.887	ug/l	98
70) Styrene	10.652	104	221785	20.420	ug/l	98
71) Bromoform	10.799	173	53510	21.021	ug/l #	98
73) Isopropylbenzene	10.963	105	338957	20.174	ug/l	100
74) N-amyl acetate	10.841	43	145837	25.543	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	108923	23.576	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	85192m	23.068	ug/l	
77) Bromobenzene	11.195	156	82862	19.799	ug/l	96
78) n-propylbenzene	11.305	91	403359	19.910	ug/l	99
79) 2-Chlorotoluene	11.366	91	243601	20.364	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	280552	20.550	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28681	20.841	ug/l	93
82) 4-Chlorotoluene	11.451	91	284304	20.595	ug/l	100
83) tert-Butylbenzene	11.713	119	285636	20.257	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	283980	20.580	ug/l	95
85) sec-Butylbenzene	11.890	105	357652	20.118	ug/l	99
86) p-Isopropyltoluene	12.006	119	291042	19.549	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	156922	20.049	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	156512	19.214	ug/l	98
89) n-Butylbenzene	12.329	91	267548	19.126	ug/l	99
90) Hexachloroethane	12.536	117	49305	18.682	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	150962	19.903	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20644	25.547	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	100068	19.420	ug/l	99
94) Hexachlorobutadiene	13.719	225	34692	17.853	ug/l	99
95) Naphthalene	13.774	128	318027	23.422	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	96852	19.893	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX047007.D
Acq On : 15 Jul 2025 17:06
Operator : JC/MD
Sample : VX0715MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0715MBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/16/2025
Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:30:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

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

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

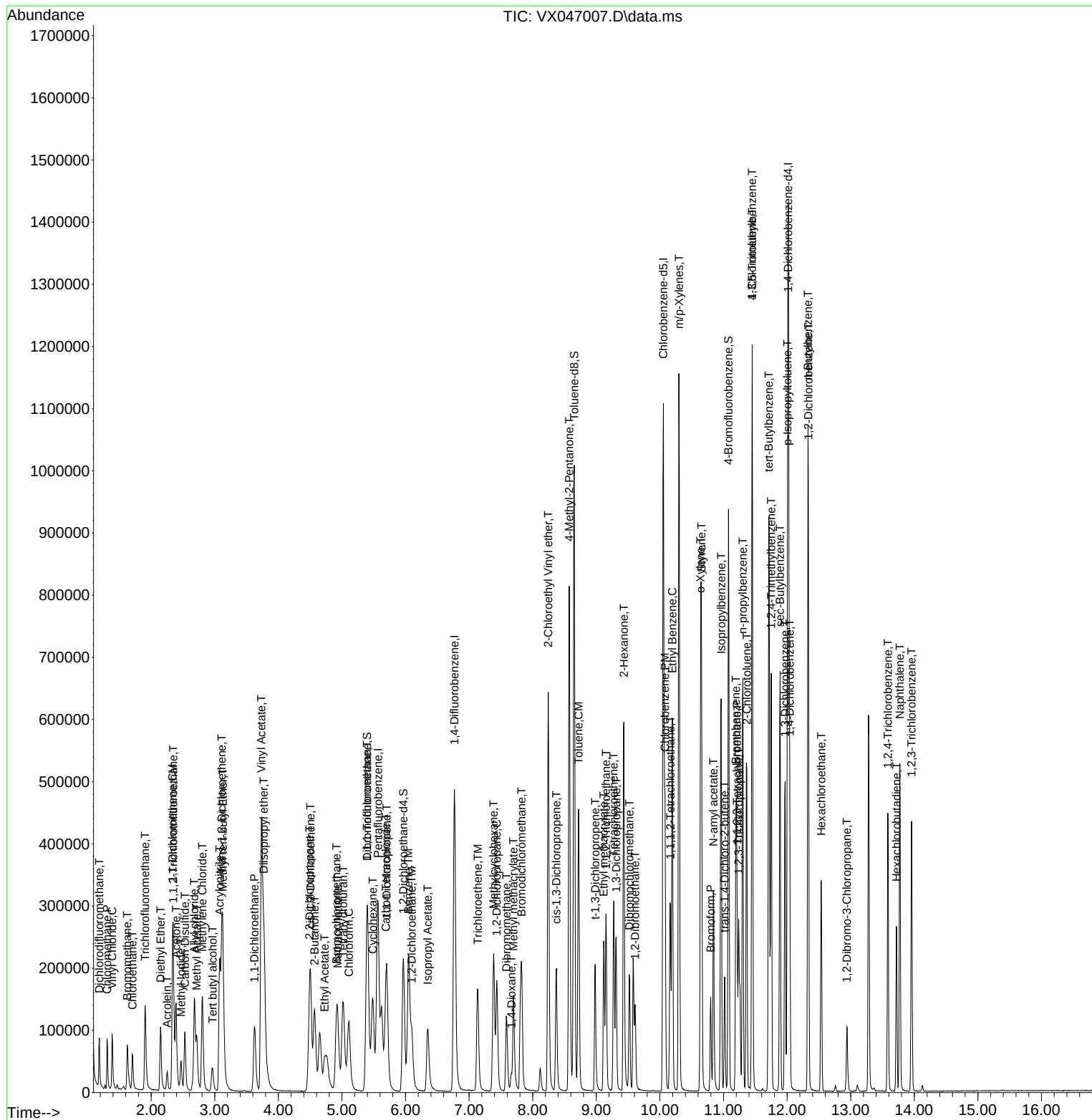
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX047007.D
 Acq On : 15 Jul 2025 17:06
 Operator : JC/MD
 Sample : VX0715MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0715MBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 07/16/2025
 Supervised By : Mahesh Dadoda 07/16/2025

Quant Time: Jul 16 02:30:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration



Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VW0714SBSD01	SDG No.:	Q2503
Lab Sample ID:	VW0714SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VW031839.D	1	07/14/25 10:36	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.9		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	99.3		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.9		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	24.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	22.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	22.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	22.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	21.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VW0714SBSD01		SDG No.:	Q2503
Lab Sample ID:	VW0714SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031839.D	1	07/14/25 10:36	VW071425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	17.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.4		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.5		0.82	5.00	ug/Kg
100-42-5	Styrene	20.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.2		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		63 - 155	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	50.5		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		17 - 146	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	213000	7.965			
540-36-3	1,4-Difluorobenzene	420000	8.855			
3114-55-4	Chlorobenzene-d5	384000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	181000	13.556			



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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VW0714SBSD01		SDG No.:	Q2503
Lab Sample ID:	VW0714SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW031839.D	1	07/14/25 10:36	VW071425

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_W\Data\VW071425\
 Data File : VW031839.D
 Acq On : 14 Jul 2025 10:36
 Operator : SY/MD
 Sample : VW0714SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:40:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	213196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	419599	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	383633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	168874	55.195	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 110.380%			
35) Dibromofluoromethane	7.904	113	141487	51.674	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 103.340%			
50) Toluene-d8	10.325	98	514621	50.505	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 101.020%			
62) 4-Bromofluorobenzene	12.617	95	202927	54.118	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 108.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.052	85	24609	16.949	ug/l	99
3) Chloromethane	2.259	50	34502	19.710	ug/l	98
4) Vinyl Chloride	2.411	62	45927	19.962	ug/l	95
5) Bromomethane	2.826	94	36697	20.420	ug/l	95
6) Chloroethane	2.972	64	31465	20.133	ug/l	95
7) Trichlorofluoromethane	3.308	101	40411	19.340	ug/l	94
8) Diethyl Ether	3.722	74	35543	22.386	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.100	101	45420	19.584	ug/l	97
10) Methyl Iodide	4.314	142	71247	19.927	ug/l	99
11) Tert butyl alcohol	5.234	59	20449	107.881	ug/l	98
12) 1,1-Dichloroethene	4.082	96	50821	20.005	ug/l	92
13) Acrolein	3.936	56	25636	75.248	ug/l	95
14) Allyl chloride	4.704	41	81670	20.953	ug/l	98
15) Acrylonitrile	5.405	53	84019	107.608	ug/l	99
16) Acetone	4.167	43	75082	99.283	ug/l	94
17) Carbon Disulfide	4.429	76	125753	18.499	ug/l	98
18) Methyl Acetate	4.710	43	45134	20.883	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	98454	22.834	ug/l	99
20) Methylene Chloride	4.960	84	81509	24.463	ug/l	98
21) trans-1,2-Dichloroethene	5.460	96	57078	21.146	ug/l	98
22) Diisopropyl ether	6.344	45	179249	23.580	ug/l	98
23) Vinyl Acetate	6.289	43	593190	114.245	ug/l	97
24) 1,1-Dichloroethane	6.252	63	109046	22.126	ug/l	99
25) 2-Butanone	7.197	43	109501	111.299	ug/l	99
26) 2,2-Dichloropropane	7.185	77	57198	19.892	ug/l	100
27) cis-1,2-Dichloroethene	7.191	96	69492	22.396	ug/l	98
28) Bromochloromethane	7.532	49	49771	22.885	ug/l	99
29) Tetrahydrofuran	7.557	42	74733	110.918	ug/l	99
30) Chloroform	7.697	83	117943	22.522	ug/l	99
31) Cyclohexane	7.971	56	86315	19.813	ug/l	96
32) 1,1,1-Trichloroethane	7.886	97	83140	20.601	ug/l	99
36) 1,1-Dichloropropene	8.099	75	76947	19.421	ug/l	99
37) Ethyl Acetate	7.276	43	50983	20.398	ug/l	100
38) Carbon Tetrachloride	8.081	117	74893	18.549	ug/l	99
39) Methylcyclohexane	9.343	83	89385	18.133	ug/l	94
40) Benzene	8.337	78	244539	20.861	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031839.D
 Acq On : 14 Jul 2025 10:36
 Operator : SY/MD
 Sample : VW0714SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0714SBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
 Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:40:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	27875	20.819	ug/l	98
42) 1,2-Dichloroethane	8.410	62	81454	20.565	ug/l	98
43) Isopropyl Acetate	8.441	43	87779	20.374	ug/l	98
44) Trichloroethene	9.099	130	57013	19.486	ug/l	95
45) 1,2-Dichloropropane	9.380	63	57958	20.457	ug/l	100
46) Dibromomethane	9.465	93	37747	20.637	ug/l	97
47) Bromodichloromethane	9.654	83	89141	20.783	ug/l	99
48) Methyl methacrylate	9.447	41	43023	20.309	ug/l	97
49) 1,4-Dioxane	9.465	88	9243	431.465	ug/l #	96
51) 4-Methyl-2-Pentanone	10.215	43	256818	103.684	ug/l	100
52) Toluene	10.392	92	158007	21.053	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	84553	21.011	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	95766	20.992	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	50275	20.983	ug/l	97
56) Ethyl methacrylate	10.648	69	71692	22.056	ug/l	98
57) 1,3-Dichloropropane	10.934	76	90014	21.398	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	193414	108.059	ug/l	98
59) 2-Hexanone	10.971	43	180082	107.289	ug/l	99
60) Dibromochloromethane	11.129	129	55936	19.523	ug/l	93
61) 1,2-Dibromoethane	11.239	107	49994	20.843	ug/l	98
64) Tetrachloroethene	10.861	164	43464	17.320	ug/l	92
65) Chlorobenzene	11.654	112	166946	19.724	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.733	131	54305	20.133	ug/l	97
67) Ethyl Benzene	11.727	91	300048	20.443	ug/l	96
68) m/p-Xylenes	11.837	106	224555	39.799	ug/l	99
69) o-Xylene	12.166	106	107272	20.534	ug/l	99
70) Styrene	12.178	104	183895	20.362	ug/l	98
71) Bromoform	12.349	173	30684	19.069	ug/l #	98
73) Isopropylbenzene	12.465	105	280880	20.443	ug/l	98
74) N-amyl acetate	12.269	43	81575	22.027	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	63391	20.781	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	48982m	20.984	ug/l	
77) Bromobenzene	12.745	156	61500	20.069	ug/l	94
78) n-propylbenzene	12.800	91	337459	20.510	ug/l	99
79) 2-Chlorotoluene	12.891	91	209747	21.170	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	238168	20.941	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	18854	18.813	ug/l	92
82) 4-Chlorotoluene	12.989	91	218429	20.999	ug/l	100
83) tert-Butylbenzene	13.202	119	194261	19.940	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	241588	20.965	ug/l	99
85) sec-Butylbenzene	13.379	105	293323	20.059	ug/l	99
86) p-Isopropyltoluene	13.495	119	247144	20.508	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	124859	20.317	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	126920	20.177	ug/l	94
89) n-Butylbenzene	13.818	91	234809	20.054	ug/l	98
90) Hexachloroethane	14.092	117	41932	19.287	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	116784	20.791	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	11462	19.244	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	68535	19.784	ug/l	95
94) Hexachlorobutadiene	15.226	225	28897	17.275	ug/l	95
95) Naphthalene	15.360	128	167105	19.676	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	61227	19.235	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
Data File : VW031839.D
Acq On : 14 Jul 2025 10:36
Operator : SY/MD
Sample : VW0714SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025

Quant Time: Jul 15 02:40:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

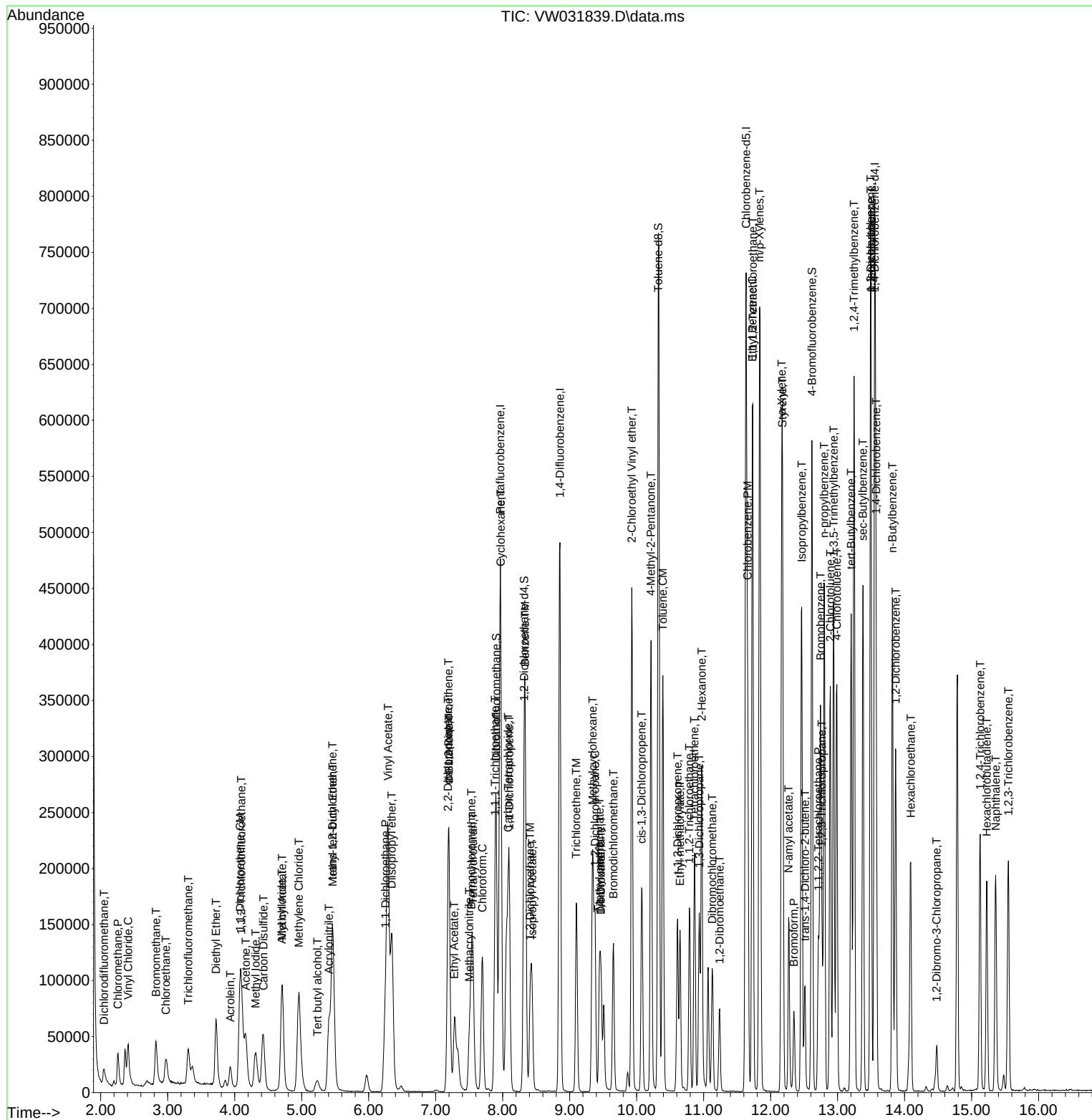
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_W
ClientSampleId :
VW0714SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/15/2025
Supervised By :Mahesh Dadoda 07/16/2025



Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Capra		Date Received:	
Client Sample ID:	VX0703WBSD01		SDG No.:	Q2503
Lab Sample ID:	VX0703WBSD01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046874.D	1	07/03/25 10:23	VX070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		0.22	1.00	ug/L
74-87-3	Chloromethane	19.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.1		0.26	1.00	ug/L
74-83-9	Bromomethane	20.5		1.40	5.00	ug/L
75-00-3	Chloroethane	18.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
67-64-1	Acetone	91.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.5		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.5		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.5		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.1		1.50	5.00	ug/L
78-93-3	2-Butanone	98.7		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	17.5		0.22	1.00	ug/L
67-66-3	Chloroform	20.1		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.3		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	20.1		0.14	1.00	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VX0703WBSD01	SDG No.:	Q2503
Lab Sample ID:	VX0703WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046874.D	1	07/03/25 10:23	VX070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.9		0.24	2.00	ug/L
95-47-6	o-Xylene	19.7		0.12	1.00	ug/L
100-42-5	Styrene	20.1		0.15	1.00	ug/L
75-25-2	Bromoform	19.3		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.4		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.5		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	340000	5.556			
540-36-3	1,4-Difluorobenzene	568000	6.763			
3114-55-4	Chlorobenzene-d5	518000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	270000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Capra	Date Received:	
Client Sample ID:	VX0703WBSD01	SDG No.:	Q2503
Lab Sample ID:	VX0703WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046874.D	1	07/03/25 10:23	VX070325

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_X\Data\VX070325\
 Data File : VX046874.D
 Acq On : 03 Jul 2025 10:23
 Operator : JC/MD
 Sample : VX0703WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2025
 Supervised By : Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:27:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	339915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	568093	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	517645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	269874	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	230519	51.334	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.660%			
35) Dibromofluoromethane	5.391	113	191861	49.754	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.500%			
50) Toluene-d8	8.647	98	671040	49.321	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.640%			
62) 4-Bromofluorobenzene	11.079	95	264089	51.072	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	62729	19.296	ug/l	98
3) Chloromethane	1.307	50	69050	19.441	ug/l	98
4) Vinyl Chloride	1.386	62	73973	19.126	ug/l	97
5) Bromomethane	1.630	94	51002	20.523	ug/l	97
6) Chloroethane	1.703	64	48021	18.803	ug/l	94
7) Trichlorofluoromethane	1.904	101	116515	19.483	ug/l	98
8) Diethyl Ether	2.142	74	43182	20.290	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	74499	19.550	ug/l	99
10) Methyl Iodide	2.471	142	82580	19.891	ug/l	99
11) Tert butyl alcohol	2.947	59	28802	97.794	ug/l	99
12) 1,1-Dichloroethene	2.337	96	70748	19.194	ug/l	99
13) Acrolein	2.246	56	31524	98.601	ug/l	97
14) Allyl chloride	2.678	41	127246	19.390	ug/l	99
15) Acrylonitrile	3.069	53	169062	99.285	ug/l	99
16) Acetone	2.386	43	126884	90.964	ug/l	100
17) Carbon Disulfide	2.526	76	178758	18.493	ug/l	100
18) Methyl Acetate	2.715	43	75310	20.484	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	213289	20.491	ug/l	99
20) Methylene Chloride	2.800	84	81945	19.867	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	75072	19.904	ug/l	99
22) Diisopropyl ether	3.764	45	265963	20.978	ug/l #	83
23) Vinyl Acetate	3.727	43	972517	102.390	ug/l	99
24) 1,1-Dichloroethane	3.623	63	142037	19.644	ug/l	99
25) 2-Butanone	4.556	43	183656	98.685	ug/l	99
26) 2,2-Dichloropropane	4.483	77	100620	18.699	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	91771	19.929	ug/l	100
28) Bromochloromethane	4.904	49	62290	17.456	ug/l	97
29) Tetrahydrofuran	5.007	42	121593	102.495	ug/l	99
30) Chloroform	5.105	83	148570	20.113	ug/l	94
31) Cyclohexane	5.483	56	128775	20.062	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	120018	19.447	ug/l	97
36) 1,1-Dichloropropene	5.702	75	100414	19.300	ug/l	99
37) Ethyl Acetate	4.721	43	80747	18.222	ug/l	99
38) Carbon Tetrachloride	5.684	117	107033	19.458	ug/l	99
39) Methylcyclohexane	7.385	83	125862	19.339	ug/l	98
40) Benzene	6.044	78	311436	19.790	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
 Data File : VX046874.D
 Acq On : 03 Jul 2025 10:23
 Operator : JC/MD
 Sample : VX0703WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0703WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/07/2025
 Supervised By : Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:27:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	46583	19.706	ug/l	97
42) 1,2-Dichloroethane	6.092	62	108647	20.332	ug/l	99
43) Isopropyl Acetate	6.342	43	135993	20.036	ug/l	99
44) Trichloroethene	7.129	130	77478	18.913	ug/l	85
45) 1,2-Dichloropropane	7.434	63	79235	19.929	ug/l	95
46) Dibromomethane	7.586	93	54568	19.808	ug/l	99
47) Bromodichloromethane	7.824	83	117624	19.997	ug/l	98
48) Methyl methacrylate	7.696	41	70912	20.233	ug/l	97
49) 1,4-Dioxane	7.659	88	16565	407.913	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	407426	101.708	ug/l	100
52) Toluene	8.714	92	195560	20.054	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	103725	19.759	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	121606	20.295	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	75284	20.726	ug/l	98
56) Ethyl methacrylate	9.116	69	102805	20.449	ug/l	100
57) 1,3-Dichloropropane	9.305	76	127139	20.328	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	267457	94.419	ug/l	100
59) 2-Hexanone	9.427	43	273252	102.840	ug/l	99
60) Dibromochloromethane	9.519	129	87002	20.015	ug/l	100
61) 1,2-Dibromoethane	9.610	107	73148	20.052	ug/l	99
64) Tetrachloroethene	9.269	164	66459	19.283	ug/l	95
65) Chlorobenzene	10.080	112	216580	19.352	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	73712	19.593	ug/l	99
67) Ethyl Benzene	10.189	91	377341	19.688	ug/l	100
68) m/p-Xylenes	10.299	106	287999	39.877	ug/l	99
69) o-Xylene	10.640	106	137563	19.719	ug/l	99
70) Styrene	10.653	104	240484	20.148	ug/l	99
71) Bromoform	10.799	173	54017	19.310	ug/l #	98
73) Isopropylbenzene	10.957	105	363745	19.173	ug/l	99
74) N-amyl acetate	10.842	43	120882	18.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	101199	19.399	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	81097m	19.448	ug/l	
77) Bromobenzene	11.195	156	90550	19.162	ug/l	99
78) n-propylbenzene	11.299	91	434180	18.980	ug/l	100
79) 2-Chlorotoluene	11.360	91	259147	19.186	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	300217	19.476	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	27189	17.497	ug/l	96
82) 4-Chlorotoluene	11.451	91	300371	19.270	ug/l	99
83) tert-Butylbenzene	11.713	119	310012	19.472	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	303925	19.506	ug/l	99
85) sec-Butylbenzene	11.884	105	388639	19.361	ug/l	100
86) p-Isopropyltoluene	12.006	119	325932	19.389	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	171703	19.428	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	173114	18.821	ug/l	99
89) n-Butylbenzene	12.329	91	300821	19.045	ug/l	100
90) Hexachloroethane	12.536	117	55235	18.535	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	167127	19.514	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17286	18.945	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	106589	18.320	ug/l	98
94) Hexachlorobutadiene	13.719	225	41848	19.072	ug/l	99
95) Naphthalene	13.774	128	298705	19.483	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	106976	19.459	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046874.D
Acq On : 03 Jul 2025 10:23
Operator : JC/MD
Sample : VX0703WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:27:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

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

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

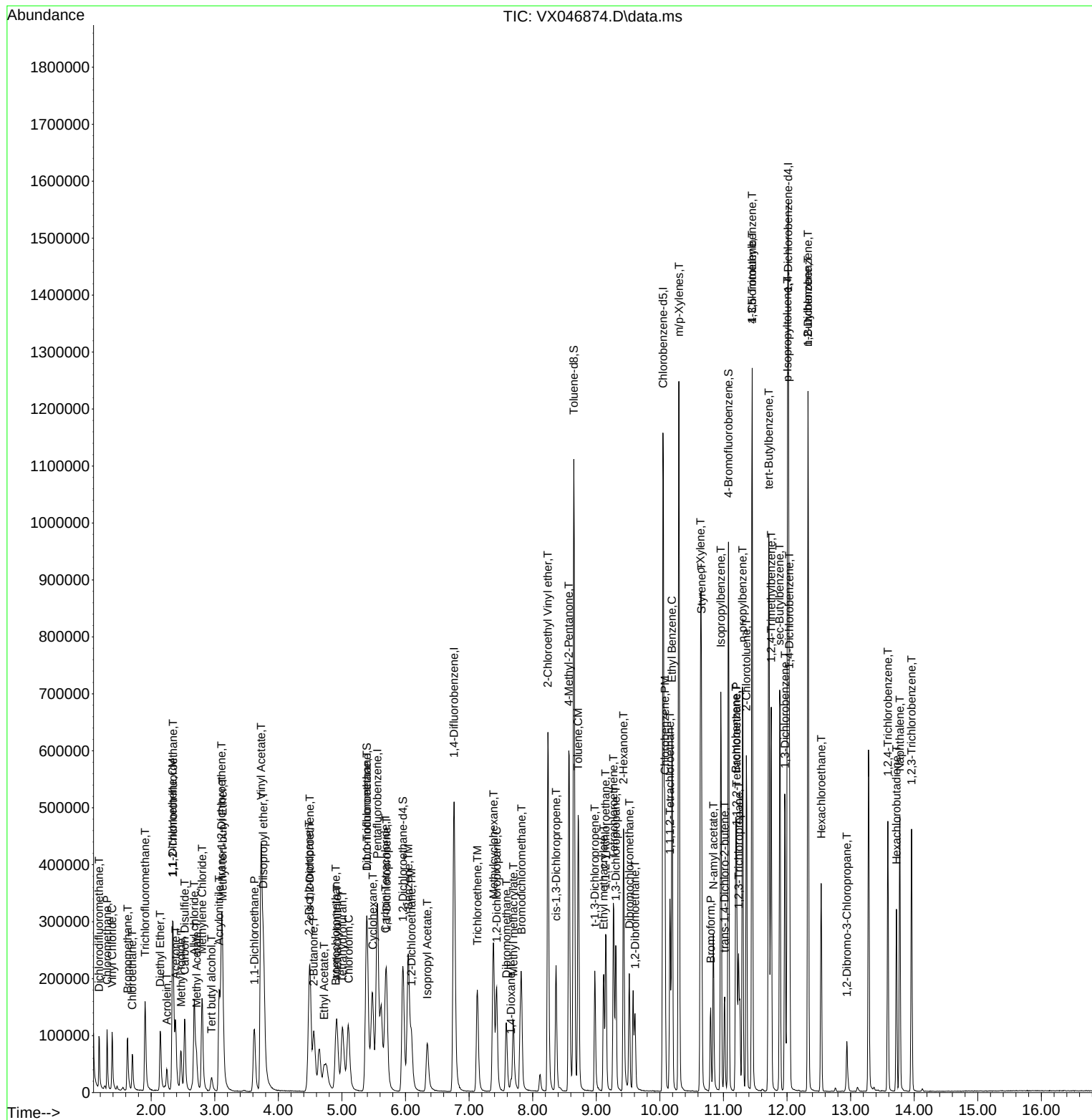
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070325\
Data File : VX046874.D
Acq On : 03 Jul 2025 10:23
Operator : JC/MD
Sample : VX0703WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0703WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

Quant Time: Jul 04 01:27:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VW063025	Instrument	MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW031729.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	1,4-Dioxane	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Acetone	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Ethyl Acetate	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC005	VW031729.D	Tert butyl alcohol	MMDadod a	7/1/2025 12:21:33 PM	SAM	7/1/2025 12:24:10 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	1,4-Dioxane	MMDadod a	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC010	VW031730.D	Tert butyl alcohol	MMDadod a	7/1/2025 12:21:34 PM	SAM	7/1/2025 12:24:11 PM	Peak Integrated by Software
VSTDICC020	VW031731.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:36 PM	SAM	7/1/2025 12:24:13 PM	Peak Integrated by Software
VSTDICC020	VW031731.D	1,4-Dioxane	MMDadod a	7/1/2025 12:21:36 PM	SAM	7/1/2025 12:24:13 PM	Peak Integrated by Software
VSTDICCC050	VW031732.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:38 PM	SAM	7/1/2025 12:24:15 PM	Peak Integrated by Software
VSTDICC100	VW031733.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:40 PM	SAM	7/1/2025 12:24:18 PM	Peak Integrated by Software
VSTDICC150	VW031734.D	1,2,3-Trichloropropane	MMDadod a	7/1/2025 12:21:41 PM	SAM	7/1/2025 12:24:20 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VW063025

Instrument

MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VW031736.D	1,2,3-Trichloropropane	MMDadoda	7/1/2025 12:21:42 PM	SAM	7/1/2025 12:24:21 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VW071425

Instrument

MSVOA_w

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW031836.D	1,2,3-Trichloropropane	SAM	7/15/2025 3:29:16 PM	MMDadoda	7/16/2025 1:42:29 PM	Peak Integrated by Software
VW0714SBS01	VW031838.D	1,2,3-Trichloropropane	SAM	7/15/2025 3:29:21 PM	MMDadoda	7/16/2025 1:42:30 PM	Peak Integrated by Software
VW0714SBSD01	VW031839.D	1,2,3-Trichloropropane	SAM	7/15/2025 3:29:26 PM	MMDadoda	7/16/2025 1:42:36 PM	Peak Integrated by Software
Q2503-03	VW031840.D	n-Butylbenzene	SAM	7/15/2025 3:29:32 PM	MMDadoda	7/16/2025 1:42:38 PM	Peak Integrated by Software
Q2503-04	VW031841.D	n-Butylbenzene	SAM	7/15/2025 3:29:36 PM	MMDadoda	7/16/2025 1:42:40 PM	Peak Integrated by Software
Q2503-04	VW031841.D	sec-Butylbenzene	SAM	7/15/2025 3:29:36 PM	MMDadoda	7/16/2025 1:42:40 PM	Peak Integrated by Software
VSTDCCC050	VW031853.D	1,2,3-Trichloropropane	SAM	7/15/2025 3:29:48 PM	MMDadoda	7/16/2025 1:42:44 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX070225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX046860.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	1,4-Dichlorobenzene	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	1,4-Dioxane	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	2-Butanone	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Acrylonitrile	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Carbon Tetrachloride	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Ethyl Acetate	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC001	VX046860.D	Methacrylonitrile	JOHN	7/3/2025 8:43:52 AM	MMDadoda	7/3/2025 3:09:42 PM	Peak Integrated by Software
VSTDICC005	VX046861.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:43:57 AM	MMDadoda	7/3/2025 3:09:44 PM	Peak Integrated by Software
VSTDICC020	VX046862.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:01 AM	MMDadoda	7/3/2025 3:09:46 PM	Peak Integrated by Software
VSTDICCC050	VX046863.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:05 AM	MMDadoda	7/3/2025 3:09:47 PM	Peak Integrated by Software
VSTDICC100	VX046864.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:09 AM	MMDadoda	7/3/2025 3:09:49 PM	Peak Integrated by Software
VSTDICC150	VX046865.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:13 AM	MMDadoda	7/3/2025 3:09:51 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VX070225

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX046867.D	1,2,3-Trichloropropane	JOHN	7/3/2025 8:44:17 AM	MMDadoda	7/3/2025 3:09:53 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX070325

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046869.D	1,2,3-Trichloropropane	JOHN	7/7/2025 9:13:58 AM	MMDadoda	7/7/2025 2:13:37 PM	Peak Integrated by Software
VX0703WBS01	VX046873.D	1,2,3-Trichloropropane	JOHN	7/7/2025 9:14:03 AM	MMDadoda	7/7/2025 2:13:38 PM	Peak Integrated by Software
VX0703WBSD01	VX046874.D	1,2,3-Trichloropropane	JOHN	7/7/2025 9:14:10 AM	MMDadoda	7/7/2025 2:13:40 PM	Peak Integrated by Software
VSTDCCC050	VX046890.D	1,2,3-Trichloropropane	JOHN	7/7/2025 9:17:02 AM	MMDadoda	7/7/2025 2:13:47 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX071525

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046988.D	1,2,3-Trichloropropane	JOHN	7/16/2025 8:45:14 AM	MMDadoda	7/16/2025 1:43:58 PM	Peak Integrated by Software
VX0715MBS01	VX047007.D	1,2,3-Trichloropropane	JOHN	7/16/2025 8:45:55 AM	MMDadoda	7/16/2025 1:44:32 PM	Peak Integrated by Software
VSTDCCC050	VX047014.D	1,2,3-Trichloropropane	JOHN	7/16/2025 8:46:31 AM	MMDadoda	7/16/2025 1:44:41 PM	Peak Integrated by Software

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW063025

Review By	Mahesh Dadoda	Review On	7/1/2025 12:21:51 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/1/2025 12:24:32 PM		
SubDirectory	VW063025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP134578			
Initial Calibration Stds		VP134581,VP134582,VP134583,VP134584,VP134585,VP134586			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK		VP134587			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031728.D	30 Jun 2025 08:56	SY/MD	Ok
2	VSTDIC005	VW031729.D	30 Jun 2025 09:54	SY/MD	Ok,M
3	VSTDIC010	VW031730.D	30 Jun 2025 10:15	SY/MD	Ok,M
4	VSTDIC020	VW031731.D	30 Jun 2025 10:58	SY/MD	Ok,M
5	VSTDIC050	VW031732.D	30 Jun 2025 11:21	SY/MD	Ok,M
6	VSTDIC100	VW031733.D	30 Jun 2025 12:34	SY/MD	Ok,M
7	VSTDIC150	VW031734.D	30 Jun 2025 12:55	SY/MD	Ok,M
8	VIBLK	VW031735.D	30 Jun 2025 14:11	SY/MD	Ok
9	VSTDICV050	VW031736.D	30 Jun 2025 15:23	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW071425

Review By	Semsettin Yesilyurt	Review On	7/15/2025 3:30:06 PM		
Supervise By	Maresh Dadoda	Supervise On	7/16/2025 1:42:51 PM		
SubDirectory	VW071425	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134754			
CCC		VP134755,VP134756			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW031835.D	14 Jul 2025 08:45	SY/MD	Ok
2	VSTDCCC050	VW031836.D	14 Jul 2025 09:17	SY/MD	Ok,M
3	VW0714SBL01	VW031837.D	14 Jul 2025 09:46	SY/MD	Ok
4	VW0714SBS01	VW031838.D	14 Jul 2025 10:14	SY/MD	Ok,M
5	VW0714SBSD01	VW031839.D	14 Jul 2025 10:36	SY/MD	Ok,M
6	Q2503-03	VW031840.D	14 Jul 2025 11:16	SY/MD	Dilution
7	Q2503-04	VW031841.D	14 Jul 2025 11:38	SY/MD	Dilution
8	Q2503-03	VW031842.D	14 Jul 2025 12:00	SY/MD	Not Ok
9	Q2503-04	VW031843.D	14 Jul 2025 12:22	SY/MD	Not Ok
10	Q2560-03	VW031844.D	14 Jul 2025 12:45	SY/MD	Ok
11	Q2592-01	VW031845.D	14 Jul 2025 13:07	SY/MD	Ok
12	Q2590-01	VW031846.D	14 Jul 2025 13:29	SY/MD	Ok
13	Q2586-03	VW031847.D	14 Jul 2025 13:51	SY/MD	Ok
14	Q2589-01	VW031848.D	14 Jul 2025 14:13	SY/MD	Ok
15	Q2559-01	VW031849.D	14 Jul 2025 14:36	SY/MD	ReRun
16	Q2597-01	VW031850.D	14 Jul 2025 15:30	SY/MD	Ok
17	Q2598-01	VW031851.D	14 Jul 2025 15:52	SY/MD	Ok
18	VIBLK	VW031852.D	14 Jul 2025 16:14	SY/MD	Ok
19	VSTDCCC050	VW031853.D	14 Jul 2025 16:37	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX070225

Review By	John Carlone	Review On	7/3/2025 8:44:30 AM
Supervise By	Maresh Dadoda	Supervise On	7/3/2025 3:09:59 PM
SubDirectory	VX070225	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134642		
Initial Calibration Stds	VP134633,VP134634,VP134635,VP134638,VP134639,VP134640		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP134641		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046859.D	02 Jul 2025 11:12	JC/MD	Ok
2	VSTDIC001	VX046860.D	02 Jul 2025 12:11	JC/MD	Ok,M
3	VSTDIC005	VX046861.D	02 Jul 2025 12:37	JC/MD	Ok,M
4	VSTDIC020	VX046862.D	02 Jul 2025 13:18	JC/MD	Ok,M
5	VSTDIC050	VX046863.D	02 Jul 2025 13:39	JC/MD	Ok,M
6	VSTDIC100	VX046864.D	02 Jul 2025 14:10	JC/MD	Ok,M
7	VSTDIC150	VX046865.D	02 Jul 2025 14:31	JC/MD	Ok,M
8	VIBLK	VX046866.D	02 Jul 2025 14:53	JC/MD	Ok
9	VSTDICV050	VX046867.D	02 Jul 2025 15:14	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX070325

Review By	John Carlone	Review On	7/7/2025 9:19:20 AM
Supervise By	Maresh Dadoda	Supervise On	7/7/2025 2:14:03 PM
SubDirectory	VX070325	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134621		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134622,VP134623		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046868.D	03 Jul 2025 07:52	JC/MD	Ok
2	VSTDCCC050	VX046869.D	03 Jul 2025 08:19	JC/MD	Ok,M
3	VX0703MBL01	VX046870.D	03 Jul 2025 08:42	JC/MD	Ok
4	VX0703WBL01	VX046871.D	03 Jul 2025 09:09	JC/MD	Ok
5	Q2458-10	VX046872.D	03 Jul 2025 09:35	JC/MD	Ok
6	VX0703WBS01	VX046873.D	03 Jul 2025 09:56	JC/MD	Ok,M
7	VX0703WBSD01	VX046874.D	03 Jul 2025 10:23	JC/MD	Ok,M
8	Q2455-01	VX046875.D	03 Jul 2025 10:44	JC/MD	Ok,M
9	Q2455-03	VX046876.D	03 Jul 2025 11:04	JC/MD	Ok,M
10	Q2455-02	VX046877.D	03 Jul 2025 11:25	JC/MD	Ok
11	Q2455-04	VX046878.D	03 Jul 2025 11:46	JC/MD	Ok
12	Q2447-07ME	VX046879.D	03 Jul 2025 12:07	JC/MD	Ok
13	VX0703MBS01	VX046880.D	03 Jul 2025 12:27	JC/MD	Ok,M
14	IBLK	VX046881.D	03 Jul 2025 12:53	JC/MD	Ok
15	Q2501-01	VX046882.D	03 Jul 2025 13:13	JC/MD	Ok
16	Q2501-02	VX046883.D	03 Jul 2025 13:34	JC/MD	Ok
17	Q2501-03	VX046884.D	03 Jul 2025 13:55	JC/MD	Ok
18	Q2501-04	VX046885.D	03 Jul 2025 14:16	JC/MD	Ok
19	Q2503-01	VX046886.D	03 Jul 2025 14:37	JC/MD	Ok
20	Q2503-02	VX046887.D	03 Jul 2025 14:58	JC/MD	Ok
21	Q2465-02	VX046888.D	03 Jul 2025 15:19	JC/MD	Ok,M

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX070325

Review By	John Carlone	Review On	7/7/2025 9:19:20 AM
Supervise By	Mahesh Dadoda	Supervise On	7/7/2025 2:14:03 PM
SubDirectory	VX070325	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134621		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134622,VP134623		

22	Q2509-01	VX046889.D	03 Jul 2025 15:40	JC/MD	Ok
23	VSTDCCC050	VX046890.D	03 Jul 2025 16:03	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX071525

Review By	John Carlone	Review On	7/16/2025 8:51:22 AM
Supervise By	Maresh Dadoda	Supervise On	7/16/2025 1:45:00 PM
SubDirectory	VX071525	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134768		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134769,VP134770		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046987.D	15 Jul 2025 08:29	JC/MD	Ok
2	VSTDCCC050	VX046988.D	15 Jul 2025 10:18	JC/MD	Ok,M
3	VX0715MBL01	VX046989.D	15 Jul 2025 10:39	JC/MD	Ok
4	VX0715WBL01	VX046990.D	15 Jul 2025 11:00	JC/MD	Ok
5	VX0715WBS01	VX046991.D	15 Jul 2025 11:21	JC/MD	Ok,M
6	VX0715WBSD01	VX046992.D	15 Jul 2025 11:47	JC/MD	Ok,M
7	Q2578-01RE	VX046993.D	15 Jul 2025 12:08	JC/MD	Confirms
8	Q2578-05RE	VX046994.D	15 Jul 2025 12:30	JC/MD	Confirms
9	Q2578-09RE	VX046995.D	15 Jul 2025 12:51	JC/MD	Confirms
10	Q2578-13RE	VX046996.D	15 Jul 2025 13:12	JC/MD	Confirms
11	Q2578-17RE	VX046997.D	15 Jul 2025 13:33	JC/MD	Confirms
12	Q2579-01RE	VX046998.D	15 Jul 2025 13:54	JC/MD	Confirms
13	Q2579-05RE	VX046999.D	15 Jul 2025 14:16	JC/MD	Confirms
14	Q2565-01	VX047000.D	15 Jul 2025 14:37	JC/MD	Ok
15	Q2602-01	VX047001.D	15 Jul 2025 14:58	JC/MD	ReRun
16	Q2571-04	VX047002.D	15 Jul 2025 15:20	JC/MD	Ok,M
17	Q2571-08	VX047003.D	15 Jul 2025 15:41	JC/MD	Ok
18	Q2586-04	VX047004.D	15 Jul 2025 16:02	JC/MD	Ok,M
19	Q2561-07	VX047005.D	15 Jul 2025 16:24	JC/MD	Ok
20	PB168804TB	VX047006.D	15 Jul 2025 16:45	JC/MD	Ok,M
21	VX0715MBS01	VX047007.D	15 Jul 2025 17:06	JC/MD	Ok,M

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX071525

Review By	John Carlone	Review On	7/16/2025 8:51:22 AM
Supervise By	Maresh Dadoda	Supervise On	7/16/2025 1:45:00 PM
SubDirectory	VX071525	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134768		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134769,VP134770		

22	VX0715MBSD01	VX047008.D	15 Jul 2025 17:27	JC/MD	Ok,M
23	Q2503-03ME	VX047009.D	15 Jul 2025 17:49	JC/MD	Ok
24	Q2503-04ME	VX047010.D	15 Jul 2025 18:10	JC/MD	Ok
25	Q2600-03	VX047011.D	15 Jul 2025 18:31	JC/MD	Ok,M
26	Q2600-07	VX047012.D	15 Jul 2025 18:52	JC/MD	Ok,M
27	Q2600-11	VX047013.D	15 Jul 2025 19:13	JC/MD	Dilution
28	VSTDCCC050	VX047014.D	15 Jul 2025 19:34	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW063025

Review By	Mahesh Dadoda	Review On	7/1/2025 12:21:51 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/1/2025 12:24:32 PM		
SubDirectory	VW063025	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134578
Initial Calibration Stds	VP134581,VP134582,VP134583,VP134584,VP134585,VP134586
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031728.D	30 Jun 2025 08:56		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW031729.D	30 Jun 2025 09:54		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW031730.D	30 Jun 2025 10:15	8260-soil-method	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW031731.D	30 Jun 2025 10:58		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW031732.D	30 Jun 2025 11:21	Comp. #20 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW031733.D	30 Jun 2025 12:34		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW031734.D	30 Jun 2025 12:55		SY/MD	Ok,M
8	VIBLK	VIBLK	VW031735.D	30 Jun 2025 14:11		SY/MD	Ok
9	VSTDICV050	ICVVW063025	VW031736.D	30 Jun 2025 15:23		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW071425

Review By	Semsettin Yesilyurt	Review On	7/15/2025 3:30:06 PM
Supervise By	Maresh Dadoda	Supervise On	7/16/2025 1:42:51 PM
SubDirectory	VW071425	HP Acquire Method	MSVOA_W HP Processing Method 82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134754
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134755,VP134756 VP133934

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW031835.D	14 Jul 2025 08:45		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW031836.D	14 Jul 2025 09:17		SY/MD	Ok,M
3	VW0714SBL01	VW0714SBL01	VW031837.D	14 Jul 2025 09:46		SY/MD	Ok
4	VW0714SBS01	VW0714SBS01	VW031838.D	14 Jul 2025 10:14		SY/MD	Ok,M
5	VW0714SBSD01	VW0714SBSD01	VW031839.D	14 Jul 2025 10:36		SY/MD	Ok,M
6	Q2503-03	GCAP2	VW031840.D	14 Jul 2025 11:16	Need MeOH,vial-A	SY/MD	Dilution
7	Q2503-04	GCAP3	VW031841.D	14 Jul 2025 11:38	Need MeOH,vial-A	SY/MD	Dilution
8	Q2503-03	GCAP2	VW031842.D	14 Jul 2025 12:00	Already Analyzed,vial B	SY/MD	Not Ok
9	Q2503-04	GCAP3	VW031843.D	14 Jul 2025 12:22	Already Analyzed,vial B	SY/MD	Not Ok
10	Q2560-03	LP-7102025-VOC	VW031844.D	14 Jul 2025 12:45	vial B	SY/MD	Ok
11	Q2592-01	WC-SOIL-20250711	VW031845.D	14 Jul 2025 13:07	vial A	SY/MD	Ok
12	Q2590-01	NB-7-071125	VW031846.D	14 Jul 2025 13:29	vial A	SY/MD	Ok
13	Q2586-03	TP-16-VOC	VW031847.D	14 Jul 2025 13:51	vial A	SY/MD	Ok
14	Q2589-01	AU-06-071125	VW031848.D	14 Jul 2025 14:13	vial A	SY/MD	Ok
15	Q2559-01	500-3B CONCRETE CH	VW031849.D	14 Jul 2025 14:36	Surrogate Fail,vial A	SY/MD	ReRun
16	Q2597-01	CHRT-26899	VW031850.D	14 Jul 2025 15:30	vial A	SY/MD	Ok
17	Q2598-01	OK-01-071425	VW031851.D	14 Jul 2025 15:52	vial A	SY/MD	Ok
18	VIBLK	VIBLK	VW031852.D	14 Jul 2025 16:14		SY/MD	Ok

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW071425

Review By	Semsettin Yesilyurt	Review On	7/15/2025 3:30:06 PM		
Supervise By	Mahesh Dadoda	Supervise On	7/16/2025 1:42:51 PM		
SubDirectory	VW071425	HP Acquire Method	MSVOA_W	HP Processing Method	82w063025s.m

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134754
CCC	VP134755,VP134756
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VW031853.D	14 Jul 2025 16:37		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX070225

Review By	John Carlone	Review On	7/3/2025 8:44:30 AM
Supervise By	Maresh Dadoda	Supervise On	7/3/2025 3:09:59 PM
SubDirectory	VX070225	HP Acquire Method	HP Processing Method 82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134642 VP134633,VP134634,VP134635,VP134638,VP134639,VP134640 VP134641

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046859.D	02 Jul 2025 11:12		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046860.D	02 Jul 2025 12:11		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX046861.D	02 Jul 2025 12:37	%D Failed for com.#13 in 5 ppb	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX046862.D	02 Jul 2025 13:18		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046863.D	02 Jul 2025 13:39	LR-13	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046864.D	02 Jul 2025 14:10		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046865.D	02 Jul 2025 14:31		JC/MD	Ok,M
8	VIBLK	VIBLK	VX046866.D	02 Jul 2025 14:53		JC/MD	Ok
9	VSTDICV050	ICVVX070225	VX046867.D	02 Jul 2025 15:14		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX070325

Review By	John Carlone	Review On	7/7/2025 9:19:20 AM
Supervise By	Maresh Dadoda	Supervise On	7/7/2025 2:14:03 PM
SubDirectory	VX070325	HP Acquire Method	HP Processing Method 82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134621
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134622,VP134623

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046868.D	03 Jul 2025 07:52		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046869.D	03 Jul 2025 08:19	pH#Lot#V12668	JC/MD	Ok,M
3	VX0703MBL01	VX0703MBL01	VX046870.D	03 Jul 2025 08:42		JC/MD	Ok
4	VX0703WBL01	VX0703WBL01	VX046871.D	03 Jul 2025 09:09		JC/MD	Ok
5	Q2458-10	FB-06272025	VX046872.D	03 Jul 2025 09:35	vial A pH<2 FB	JC/MD	Ok
6	VX0703WBS01	VX0703WBS01	VX046873.D	03 Jul 2025 09:56		JC/MD	Ok,M
7	VX0703WBSD01	VX0703WBSD01	VX046874.D	03 Jul 2025 10:23		JC/MD	Ok,M
8	Q2455-01	MW1	VX046875.D	03 Jul 2025 10:44	vial A pH<2	JC/MD	Ok,M
9	Q2455-03	MW10	VX046876.D	03 Jul 2025 11:04	vial A pH<2	JC/MD	Ok,M
10	Q2455-02	MW3	VX046877.D	03 Jul 2025 11:25	vial A pH<2	JC/MD	Ok
11	Q2455-04	FIELD-BLANK	VX046878.D	03 Jul 2025 11:46	vial A pH<2 FB	JC/MD	Ok
12	Q2447-07ME	LAW-25-0100ME	VX046879.D	03 Jul 2025 12:07		JC/MD	Ok
13	VX0703MBS01	VX0703MBS01	VX046880.D	03 Jul 2025 12:27		JC/MD	Ok,M
14	IBLK	IBLK	VX046881.D	03 Jul 2025 12:53		JC/MD	Ok
15	Q2501-01	STORAGE-BLANK-SO	VX046882.D	03 Jul 2025 13:13	vial A pH<2	JC/MD	Ok
16	Q2501-02	STORAGE-BLANK-WA	VX046883.D	03 Jul 2025 13:34	vial A pH<2	JC/MD	Ok
17	Q2501-03	STORAGE-BLANK-WA	VX046884.D	03 Jul 2025 13:55	vial A pH<2	JC/MD	Ok
18	Q2501-04	STORAGE-BLANK-SAI	VX046885.D	03 Jul 2025 14:16	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX070325

Review By	John Carlone	Review On	7/7/2025 9:19:20 AM
Supervise By	Maresh Dadoda	Supervise On	7/7/2025 2:14:03 PM
SubDirectory	VX070325	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134621		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134622,VP134623		

19	Q2503-01	GCAP2W	VX046886.D	03 Jul 2025 14:37	vial A pH<2	JC/MD	Ok
20	Q2503-02	GCAP3W	VX046887.D	03 Jul 2025 14:58	vial A pH<2	JC/MD	Ok
21	Q2465-02	62025-B	VX046888.D	03 Jul 2025 15:19	vial A pH<2 oily dark sample	JC/MD	Ok,M
22	Q2509-01	AUD-25-0110-0111	VX046889.D	03 Jul 2025 15:40	vial A pH<2 turbid sample	JC/MD	Ok
23	VSTDCCC050	VSTDCCC050EC	VX046890.D	03 Jul 2025 16:03		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX071525

Review By	John Carlone	Review On	7/16/2025 8:51:22 AM
Supervise By	Maresh Dadoda	Supervise On	7/16/2025 1:45:00 PM
SubDirectory	VX071525	HP Acquire Method	HP Processing Method 82X070225W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP134768
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134769,VP134770

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046987.D	15 Jul 2025 08:29		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046988.D	15 Jul 2025 10:18	CCC fail High com. #25	JC/MD	Ok,M
3	VX0715MBL01	VX0715MBL01	VX046989.D	15 Jul 2025 10:39		JC/MD	Ok
4	VX0715WBL01	VX0715WBL01	VX046990.D	15 Jul 2025 11:00		JC/MD	Ok
5	VX0715WBS01	VX0715WBS01	VX046991.D	15 Jul 2025 11:21		JC/MD	Ok,M
6	VX0715WBSD01	VX0715WBSD01	VX046992.D	15 Jul 2025 11:47		JC/MD	Ok,M
7	Q2578-01RE	WC-A5-01-GRE	VX046993.D	15 Jul 2025 12:08	vial B pH#5.0 Surrogate Fail	JC/MD	Confirms
8	Q2578-05RE	WC-A2-09-GRE	VX046994.D	15 Jul 2025 12:30	vial B pH#5.0 Surrogate Fail	JC/MD	Confirms
9	Q2578-09RE	WC-A2-10-GRE	VX046995.D	15 Jul 2025 12:51	vial B pH#5.0 Surrogate Fail	JC/MD	Confirms
10	Q2578-13RE	WC-A2-11-GRE	VX046996.D	15 Jul 2025 13:12	vial B pH#5.0 Surrogate Fail	JC/MD	Confirms
11	Q2578-17RE	WC-A2-12-GRE	VX046997.D	15 Jul 2025 13:33	vial B pH#5.0 Surrogate Fail	JC/MD	Confirms
12	Q2579-01RE	WC-A2-13-GRE	VX046998.D	15 Jul 2025 13:54	vial B pH#5.0 Surrogate Fail	JC/MD	Confirms
13	Q2579-05RE	WC-A2-14-GRE	VX046999.D	15 Jul 2025 14:16	vial B pH#5.0 Surrogate Fail	JC/MD	Confirms
14	Q2565-01	MOO-25-0192-0193	VX047000.D	15 Jul 2025 14:37	vial A pH<2 foamy sample	JC/MD	Ok
15	Q2602-01	FRAC-TANK-266380	VX047001.D	15 Jul 2025 14:58	vial A pH<2 CCC Failed High,BS,BSD Failed High	JC/MD	ReRun
16	Q2571-04	TP-18	VX047002.D	15 Jul 2025 15:20	vial A pH#5.0	JC/MD	Ok,M
17	Q2571-08	TP-17	VX047003.D	15 Jul 2025 15:41	vial A pH#5.0	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX071525

Review By	John Carlone	Review On	7/16/2025 8:51:22 AM
Supervise By	Maresh Dadoda	Supervise On	7/16/2025 1:45:00 PM
SubDirectory	VX071525	HP Acquire Method	HP Processing Method 82X070225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134768		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134769,VP134770		

18	Q2586-04	TP-16	VX047004.D	15 Jul 2025 16:02	vial A pH#5.0	JC/MD	Ok,M
19	Q2561-07	AUD-25-0117	VX047005.D	15 Jul 2025 16:24	vial A pH#5.0	JC/MD	Ok
20	PB168804TB	PB168804TB	VX047006.D	15 Jul 2025 16:45		JC/MD	Ok,M
21	VX0715MBS01	VX0715MBS01	VX047007.D	15 Jul 2025 17:06		JC/MD	Ok,M
22	VX0715MBSD01	VX0715MBSD01	VX047008.D	15 Jul 2025 17:27		JC/MD	Ok,M
23	Q2503-03ME	GCAP2ME	VX047009.D	15 Jul 2025 17:49		JC/MD	Ok
24	Q2503-04ME	GCAP3ME	VX047010.D	15 Jul 2025 18:10		JC/MD	Ok
25	Q2600-03	TRENCH	VX047011.D	15 Jul 2025 18:31		JC/MD	Ok,M
26	Q2600-07	STOCK-PILE	VX047012.D	15 Jul 2025 18:52		JC/MD	Ok,M
27	Q2600-11	END-OF-TRENCH	VX047013.D	15 Jul 2025 19:13	Need 20X	JC/MD	Dilution
28	VSTDCCC050	VSTDCCC050EC	VX047014.D	15 Jul 2025 19:34		JC/MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2487-01	G4 (1.5)	1	1.15	10.21	11.36	10.14	88.1	
Q2487-02	G4 (10)	2	1.19	10.38	11.57	8.76	72.9	
Q2487-03	G3 (9)	3	1.15	10.66	11.81	7.38	58.4	
Q2487-04	G3 (3)	4	1.15	10.80	11.95	10.8	89.4	
Q2487-05	G2 (2.5)	5	1.17	10.00	11.17	10.48	93.1	
Q2487-06	G2 (9)	6	1.16	10.26	11.42	8.00	66.7	
Q2487-07	G1 (4.5)	7	1.19	10.11	11.3	7.8	65.4	
Q2487-08	G1 (10)	8	1.16	9.96	11.12	6.65	55.1	
Q2487-09	G4 (0-6)	9	1.18	10.26	11.44	10.12	87.1	
Q2487-10	G4 (6-12)	10	1.16	10.14	11.3	8.52	72.6	
Q2487-11	G3 (0-6)	11	1.18	10.42	11.6	10.68	91.2	
Q2487-12	G3 (6-12)	12	1.18	10.41	11.59	8.49	70.2	
Q2487-13	G2 (0-6)	13	1.17	9.95	11.12	10.11	89.8	
Q2487-14	G2 (6-12)	14	1.16	10.68	11.84	8.39	67.7	
Q2487-15	G1 (0-6)	15	1.17	10.55	11.72	9.68	80.7	
Q2487-16	G1 (6-12)	16	1.13	10.24	11.37	10.68	93.3	
Q2501-05	SVOC-GPC-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2501-06	PEST-GPC-BLANK	18	1.00	1.00	2.00	2.00	100.0	
Q2501-07	PEST-GPC-BLANK-SPIKE	19	1.00	1.00	2.00	2.00	100.0	
Q2501-08	PCB-GPC-BLANK	20	1.00	1.00	2.00	2.00	100.0	
Q2501-09	PCB-GPC-BLANK-SPIKE	21	1.00	1.00	2.00	2.00	100.0	
Q2501-10	SVOC-GPC-BLANK	22	1.00	1.00	2.00	2.00	100.0	
Q2501-11	PEST-GPC-BLANK	23	1.00	1.00	2.00	2.00	100.0	
Q2501-12	PEST-GPC-BLANK-SPIKE	24	1.00	1.00	2.00	2.00	100.0	
Q2501-13	PCB-GPC2-BLANK	25	1.00	1.00	2.00	2.00	100.0	
Q2501-14	PCB-GPC2-BLANK-SPIKE	26	1.00	1.00	2.00	2.00	100.0	
Q2503-03	GCAP2	27	1.18	10.65	11.83	8.76	71.2	
Q2503-04	GCAP3	28	1.18	10.64	11.82	8.16	65.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2503-05	GCAP2A	29	1.18	10.30	11.48	9.11	77.0	
Q2504-01	WASTE	30	1.14	10.73	11.87	10.16	84.1	
Q2504-02	VOC	31	1.18	10.81	11.99	10.45	85.8	
Q2504-03	1	32	1.14	10.84	11.98	10.36	85.1	
Q2504-04	2	33	1.19	10.41	11.6	9.91	83.8	
Q2504-05	3	34	1.13	10.75	11.88	10.22	84.6	
Q2504-06	4	35	1.14	10.52	11.66	10.03	84.5	
Q2504-07	5	36	1.12	10.87	11.99	10.16	83.2	
Q2505-01	#62825	37	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-02	#62525	38	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2505-03	#2008	39	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2507-01	SU-04-7.3-2025	40	1.17	10.26	11.43	10.1	87.0	
Q2507-02	SU-04-7.3-2025-EPH	41	1.18	10.30	11.48	9.99	85.5	
Q2507-03	SU-04-7.3-2025-VOC	42	1.13	10.45	11.58	9.95	84.4	
Q2508-01	AUD-25-0105	43	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-02	AUD-25-0106	44	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2508-03	AUD-25-0107	45	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2509-02	AUD-25-0112	46	1.00	1.00	2.00	2.00	100.0	oilly-debris
Q2510-01	#63025-A	47	1.15	11.63	12.78	10.79	82.9	
Q2510-02	#63025-A-VOC	48	1.18	10.19	11.37	9.86	85.2	
Q2513-01	HR-2-070325	49	1.18	9.89	11.07	10.51	94.3	
Q2513-02	HR-2-070325-E2	50	1.18	10.25	11.43	10.68	92.7	
Q2513-03	HR-3-070325	51	1.18	10.27	11.45	10.88	94.4	
Q2513-04	HR-3-070325-E2	52	1.14	10.67	11.81	11.23	94.6	
Q2514-01	TP-92	53	1.14	10.78	11.92	10.56	87.4	
Q2514-02	TP-93	54	1.19	10.71	11.9	10.58	87.7	
Q2514-03	TP-94	55	1.13	10.86	11.99	10.7	88.1	
Q2514-04	TP-96	56	1.14	11.10	12.24	10.66	85.8	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 07/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 07/04/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136368

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
Q2514-05	TP-97	57	1.16	10.02	11.18	9.68	85.0	
Q2514-06	TP-103	58	1.18	10.22	11.4	10.02	86.5	
Q2514-07	TP-36	59	1.15	10.78	11.93	10.88	90.3	
Q2514-08	TP-78	60	1.13	9.99	11.12	9.75	86.3	
Q2514-09	TP-81	61	1.16	10.50	11.66	10.22	86.3	
Q2514-10	TP-90	62	1.18	10.43	11.61	10.73	91.6	
Q2515-01	wc-1	63	1.15	10.31	11.46	10.17	87.5	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

196368

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2487-01	G4(1.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-02	G4(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-03	G3(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-04	G3(3)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-05	G2(2.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-06	G2(9)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-07	G1(4.5)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-08	G1(10)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-09	G4(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-10	G4(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-11	G3(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-12	G3(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-13	G2(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-14	G2(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-15	G1(0-6)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2487-16	G1(6-12)	Solid	Percent Solids	Cool 4 deg C	WALS01	A22	07/01/2025	Chemtech -SO
Q2501-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO

Date/Time 07/03/25 15:15

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

Date/Time 07/03/25

Raw Sample Received by: JDC

Raw Sample Relinquished by: JDC

WORKLIST(Hardcopy Internal Chain)

136318

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2501-10	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-11	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-12	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2501-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/27/2025	Chemtech -SO
Q2503-03	GCAP2	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	06/27/2025	Chemtech -SO
Q2503-04	GCAP3	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2503-05	GCAP2A	Solid	Percent Solids	Cool 4 deg C	GENV01	O11	07/02/2025	Chemtech -SO
Q2504-01	WASTE	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-02	VOC	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-03	1	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-04	2	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-05	3	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-06	4	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2504-07	5	Solid	Percent Solids	Cool 4 deg C	SCIA01	O12	07/02/2025	Chemtech -SO
Q2505-01	#62825	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-02	#62525	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2505-03	#2008	Solid	Percent Solids	Cool 4 deg C	PSEG03	O13	07/03/2025	Chemtech -SO
Q2507-01	SU-04-7.3-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-02	SU-04-7.3-2025-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO
Q2507-03	SU-04-7.3-2025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O12	07/04/2025	Chemtech -SO

Date/Time 07/03/25 15:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 07/03/25 17:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136368

WorkList Name : %1-070325

WorkList ID : 190533

Department : Wet-Chemistry

Date : 07-03-2025 08:34:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2508-01	AUD-25-0105	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-02	AUD-25-0106	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2508-03	AUD-25-0107	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/03/2025	Chemtech -SO
Q2509-02	AUD-25-0112	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/03/2025	Chemtech -SO
Q2510-01	#63025-A	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2510-02	#63025-A-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG05	O22	07/03/2025	Chemtech -SO
Q2513-01	HR-2-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-02	HR-2-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-03	HR-3-070325	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2513-04	HR-3-070325-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	O21	07/03/2025	Chemtech -SO
Q2514-01	TP-92	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-02	TP-93	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-03	TP-94	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-04	TP-96	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-05	TP-97	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-06	TP-103	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-07	TP-36	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/02/2025	Chemtech -SO
Q2514-08	TP-78	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-09	TP-81	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2514-10	TP-90	Solid	Percent Solids	Cool 4 deg C	CAMP02	O21	07/03/2025	Chemtech -SO
Q2515-01	wc-1	Solid	Percent Solids	Cool 4 deg C	ENVO01	O23	07/03/2025	Chemtech -SO

Date/Time 07/03/25 1515
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time

Raw Sample Received by:



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: **GECP INC**
ADDRESS: **8 CARRIAGE**
CITY: **SHIRASWAN** STATE: **NJ** ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **CAPRA**
PROJECT NO.: LOCATION:
PROJECT MANAGER: **GL**
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: **GECP INC** PO#:
ADDRESS: **8 CARRIAGE**
CITY: **SHIRASWAN** 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 ASPA ☐ NYS ASPB
+ Raw Data ☐ Other **Excel file**
☒ EDD FORMAT **hardcopy**

TCL VOCs
TCL VOCs
GW TAL metals
TAL metals
EPA 607

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	GCAP2	Soil		X	7/2/25	1602	4	X					X					
2.	GCAP3	Soil				1645	4	X					X					
3.	GCAP2W	GW				1800	3	X	X	X								
4.	GCAP3W	GW		X	7/2/25	1830	2	X										
5.	GCAP2A	Soil		X	7/2/25	1730	1				X							
6.																		
7.																		
8.																		
9.																		
10.																		

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

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 7/3/25 1055	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3°C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	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



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2503 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 7/3/2025 11:38:00 AM
Project Name : Lexington Capra *dk*
Receive DateTime : 7/3/2025 10:55:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 1 *NJ Reduced*
EDD Type : Excel NJ *Regular*
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2503-01	GCAP2W	Water	07/02/2025	18:00	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2503-02	GCAP3W	Water	07/02/2025	18:30	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2503-03	GCAP2	Solid	07/02/2025	16:02	VOC-TCLVOA-10 ~~VOC-PP~~	VOC-PP VOA + 15	8260D ~~8260C~~		10 Bus. Days
Q2503-04	GCAP3	Solid	07/02/2025	16:45	VOC-TCLVOA-10 ~~VOC-PP~~	VOC-PP VOA + 15	8260D ~~8260C~~		10 Bus. Days

DP 07/15/2025

Relinquished By : *dk*

Date / Time : 7/3/25 11:52

Received By : *Sam*

Date / Time : 07/03/25 11:52

Storage Area : VOA Refridgerator Room

Rg #6
Rg 2
Rg #5