284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q2790

Project ID : Waste Water 2025

Client : Garden State Laboratories, Inc.

Lab Sample Number	Client Sample Number
Q2790-01	250806078-01 VOA
Q2790-02	250806062-03 Trip blank

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: 8/11/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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 is 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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2790**

	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: **MAHESH PATEL** **Date:** **08/11/2025**

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LAB CHRONICLE

OrderID:	Q2790	**OrderDate:**	8/7/2025 8:49:00 AM
Client:	Garden State Laboratories, Inc.	**Project:**	Waste Water 2025
Contact:	Sharon Ercoliani	**Location:**	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2790-01	**250806078-01 VOA**	**Water**			**08/06/25**			**08/07/25**
			VOCMS Group1	624.1			08/07/25	
			VOCMS Group2	8260-Low			08/07/25	
Q2790-01DL	**250806078-01 VOADL**	**Water**			**08/06/25**			**08/07/25**
			VOCMS Group2	8260-Low			08/07/25	
Q2790-02	**250806062-03 Trip blank**	**Water**			**08/06/25**			**08/07/25**
			VOCMS Group1	624.1			08/07/25	
			VOCMS Group2	8260-Low			08/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2790

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**250806078-01 VOA**								
Q2790-01	250806078-01 VOA	Water	Acetone		1300	E	1.50	5.00	ug/L
Q2790-01	250806078-01 VOA	Water	Carbon Disulfide		6.90		0.21	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	Methyl tert-butyl Ether		1.70		0.16	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	Methylene Chloride		0.61	J	0.28	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	2-Butanone		1500	E	0.98	5.00	ug/L
Q2790-01	250806078-01 VOA	Water	Benzene		4.10		0.15	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	1,2-Dichloroethane		1.90		0.22	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	4-Methyl-2-Pentanone		15.8		0.68	5.00	ug/L
Q2790-01	250806078-01 VOA	Water	Toluene		7.00		0.14	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	Chlorobenzene		1.40		0.12	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	Ethyl Benzene		9.10		0.13	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	m/p-Xylenes		8.00		0.24	2.00	ug/L
Q2790-01	250806078-01 VOA	Water	o-Xylene		4.90		0.12	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	Isopropylbenzene		0.96	J	0.12	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	1,4-Dichlorobenzene		4.20		0.19	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	1,2-Dichlorobenzene		0.54	J	0.16	1.00	ug/L
			Total Voc :		2870				
Q2790-01	250806078-01 VOA	Water	Methanethiol	*	8.40	J	0	0	ug/L
Q2790-01	250806078-01 VOA	Water	2-Pentanone	*	28.3	J	0	0	ug/L
Q2790-01	250806078-01 VOA	Water	unknown1.160	*	11.0	J	0	0	ug/L
Q2790-01	250806078-01 VOA	Water	(+)-2-Bornanone	*	24.2	J	0	0	ug/L
Q2790-01	250806078-01 VOA	Water	Eucalyptol	*	5.80	J	0	0	ug/L
Q2790-01	250806078-01 VOA	Water	Fenchone	*	19.2	J	0	0	ug/L
Q2790-01	250806078-01 VOA	Water	Cyclohexanol, 5-methyl-2-(1-m	*	14.6	J	0	0	ug/L
Q2790-01	250806078-01 VOA	Water	2-Pentanol	*	5.10	J	0	0	ug/L
Q2790-01	250806078-01 VOA	Water	3-Hexanone, 2-methyl-	*	7.60	J	0	0	ug/L
Q2790-01	250806078-01 VOA	Water	Sulfur dioxide	*	370	J	0	0	ug/L
Q2790-01	250806078-01 VOA	Water	Tetrahydrofuran	*	320	J	0.99	5.00	ug/L
Q2790-01	250806078-01 VOA	Water	Tert butyl alcohol	*	2400	J	5.50	25.0	ug/L
Q2790-01	250806078-01 VOA	Water	Diethyl Ether	*	7.00	J	0.31	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	n-propylbenzene	*	0.60	J	0.13	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	1,3,5-Trimethylbenzene	*	0.68	J	0.15	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	1,2,4-Trimethylbenzene	*	2.90	J	0.14	1.00	ug/L
Q2790-01	250806078-01 VOA	Water	Naphthalene	*	23.5	J	0.20	1.00	ug/L
			Total Tics :		3250				
			Total Concentration:		6120				

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Hit Summary Sheet
SW-846

SDG No.: Q2790

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**250806078-01 VOADL**							
Q2790-01DL	250806078-01 VOA	Water	Acetone	1100	D	15.1	50.0	ug/L
Q2790-01DL	250806078-01 VOA	Water	Carbon Disulfide	8.60	JD	2.10	10.0	ug/L
Q2790-01DL	250806078-01 VOA	Water	2-Butanone	1300	D	9.80	50.0	ug/L
Q2790-01DL	250806078-01 VOA	Water	Benzene	3.00	JD	1.50	10.0	ug/L
Q2790-01DL	250806078-01 VOA	Water	4-Methyl-2-Pentanone	9.70	JD	6.80	50.0	ug/L
Q2790-01DL	250806078-01 VOA	Water	Toluene	5.20	JD	1.40	10.0	ug/L
Q2790-01DL	250806078-01 VOA	Water	Ethyl Benzene	6.50	JD	1.30	10.0	ug/L
Q2790-01DL	250806078-01 VOA	Water	m/p-Xylenes	5.70	JD	2.40	20.0	ug/L
Q2790-01DL	250806078-01 VOA	Water	o-Xylene	3.50	JD	1.20	10.0	ug/L
			Total Voc :	2440				
			Total Concentration:	2440				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2790

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2790-01	250806078-01 VOA	1,2-Dichloroethane-d4	50	49.0	98		74	125
		Dibromofluoromethane	50	41.2	82		75	124
		Toluene-d8	50	45.5	91		86	113
		4-Bromofluorobenzene	50	51.6	103		77	121
Q2790-01DL	250806078-01 VOADL	1,2-Dichloroethane-d4	50	55.4	111		74	125
		Dibromofluoromethane	50	50.3	101		75	124
		Toluene-d8	50	51.5	103		86	113
		4-Bromofluorobenzene	50	50.8	102		77	121
Q2790-02	250806062-03 Trip blank	1,2-Dichloroethane-d4	50	44.1	88		74	125
		Dibromofluoromethane	50	44.8	90		75	124
		Toluene-d8	50	40.1	80	*	86	113
		4-Bromofluorobenzene	50	44.5	89		77	121
VX0807WBL01	VX0807WBL01	1,2-Dichloroethane-d4	50	48.9	98		74	125
		Dibromofluoromethane	50	49.5	99		75	124
		Toluene-d8	50	44.7	89		86	113
		4-Bromofluorobenzene	50	49.5	99		77	121
VX0807WBS01	VX0807WBS01	1,2-Dichloroethane-d4	50	47.0	94		74	125
		Dibromofluoromethane	50	50.4	101		75	124
		Toluene-d8	50	45.0	90		86	113
		4-Bromofluorobenzene	50	49.8	100		77	121
VX0807WBSD0	VX0807WBSD01	1,2-Dichloroethane-d4	50	47.3	95		74	125
		Dibromofluoromethane	50	50.4	101		75	124
		Toluene-d8	50	45.6	91		86	113
		4-Bromofluorobenzene	50	50.5	101		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2790 **Analytical Method:** SW8260-Low

Client: Garden State Laboratories, Inc. **Datafile :** VX047254.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0807WBS01	Dichlorodifluoromethane	20	21.6	ug/L	108			69	116	
	Chloromethane	20	18.8	ug/L	94			65	116	
	Vinyl chloride	20	21.2	ug/L	106			65	117	
	Bromomethane	20	19.7	ug/L	99			58	125	
	Chloroethane	20	18.0	ug/L	90			56	128	
	Trichlorofluoromethane	20	19.7	ug/L	99			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			80	112	
	1,1-Dichloroethene	20	19.3	ug/L	97			74	110	
	Acetone	100	120	ug/L	120			60	125	
	Carbon disulfide	20	19.6	ug/L	98			64	112	
	Methyl tert-butyl Ether	20	19.3	ug/L	97			78	114	
	Methyl Acetate	20	19.4	ug/L	97			67	125	
	Methylene Chloride	20	19.3	ug/L	97			72	114	
	trans-1,2-Dichloroethene	20	20.0	ug/L	100			75	108	
	1,1-Dichloroethane	20	19.3	ug/L	97			78	112	
	Cyclohexane	20	19.7	ug/L	99			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	19.5	ug/L	98			77	113	
	cis-1,2-Dichloroethene	20	19.4	ug/L	97			77	110	
	Bromochloromethane	20	21.0	ug/L	105			70	124	
	Chloroform	20	19.5	ug/L	98			79	113	
	1,1,1-Trichloroethane	20	19.7	ug/L	99			80	108	
	Methylcyclohexane	20	19.9	ug/L	100			72	115	
	Benzene	20	19.9	ug/L	100			82	109	
	1,2-Dichloroethane	20	20.0	ug/L	100			80	115	
	Trichloroethene	20	19.5	ug/L	98			77	113	
	1,2-Dichloropropane	20	19.8	ug/L	99			83	111	
	Bromodichloromethane	20	19.9	ug/L	100			83	110	
	4-Methyl-2-Pentanone	100	97.9	ug/L	98			74	118	
	Toluene	20	20.4	ug/L	102			82	110	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			79	110	
	cis-1,3-Dichloropropene	20	19.8	ug/L	99			82	110	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			83	112	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	20.0	ug/L	100			82	110	
	1,2-Dibromoethane	20	19.7	ug/L	99			81	110	
	Tetrachloroethene	20	19.5	ug/L	98			67	123	
	Chlorobenzene	20	19.9	ug/L	100			82	109	
	Ethyl Benzene	20	19.9	ug/L	100			83	109	
	m/p-Xylenes	40	40.0	ug/L	100			82	110	
	o-Xylene	20	20.2	ug/L	101			83	109	
	Styrene	20	20.2	ug/L	101			80	111	
	Bromoform	20	19.3	ug/L	97			79	109	
	Isopropylbenzene	20	19.5	ug/L	98			83	112	
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98			76	118	
	1,3-Dichlorobenzene	20	19.8	ug/L	99			82	108	
	1,4-Dichlorobenzene	20	19.4	ug/L	97			82	107	
	1,2-Dichlorobenzene	20	19.3	ug/L	97			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2790 **Analytical Method:** SW8260-Low

Client: Garden State Laboratories, Inc. **Datafile :** VX047254.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0807WBS01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			68	112	
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			75	113	
	1,2,3-Trichlorobenzene	20	19.3	ug/L	97			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2790**	**Analytical Method:**	**SW8260-Low**
Client:	**Garden State Laboratories, Inc.**	**Datafile :**	VX047255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0807WBSD01	Dichlorodifluoromethane	20	20.6	ug/L	103	5		69	116	19
	Chloromethane	20	18.2	ug/L	91	3		65	116	21
	Vinyl chloride	20	20.2	ug/L	101	5		65	117	19
	Bromomethane	20	19.1	ug/L	96	3		58	125	20
	Chloroethane	20	17.9	ug/L	90	0		56	128	20
	Trichlorofluoromethane	20	19.5	ug/L	98	1		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98	2		80	112	15
	1,1-Dichloroethene	20	18.9	ug/L	95	2		74	110	20
	Acetone	100	110	ug/L	110	9		60	125	20
	Carbon disulfide	20	18.6	ug/L	93	5		64	112	20
	Methyl tert-butyl Ether	20	19.7	ug/L	99	2		78	114	20
	Methyl Acetate	20	20.3	ug/L	102	5		67	125	20
	Methylene Chloride	20	19.4	ug/L	97	0		72	114	20
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	5		75	108	16
	1,1-Dichloroethane	20	19.1	ug/L	96	1		78	112	20
	Cyclohexane	20	19.1	ug/L	96	3		75	110	20
	2-Butanone	100	97.5	ug/L	98	2		65	122	26
	Carbon Tetrachloride	20	19.2	ug/L	96	2		77	113	15
	cis-1,2-Dichloroethene	20	19.3	ug/L	97	0		77	110	20
	Bromochloromethane	20	21.5	ug/L	108	3		70	124	20
	Chloroform	20	19.4	ug/L	97	1		79	113	20
	1,1,1-Trichloroethane	20	19.3	ug/L	97	2		80	108	20
	Methylcyclohexane	20	19.7	ug/L	99	1		72	115	20
	Benzene	20	19.8	ug/L	99	1		82	109	15
	1,2-Dichloroethane	20	20.6	ug/L	103	3		80	115	20
	Trichloroethene	20	19.3	ug/L	97	1		77	113	15
	1,2-Dichloropropane	20	19.9	ug/L	100	1		83	111	16
	Bromodichloromethane	20	20.0	ug/L	100	0		83	110	16
	4-Methyl-2-Pentanone	100	100	ug/L	100	2		74	118	25
	Toluene	20	20.4	ug/L	102	0		82	110	16
	t-1,3-Dichloropropene	20	19.5	ug/L	98	0		79	110	20
	cis-1,3-Dichloropropene	20	20.0	ug/L	100	1		82	110	16
	1,1,2-Trichloroethane	20	20.8	ug/L	104	4		83	112	20
	2-Hexanone	100	100	ug/L	100	0		73	117	25
	Dibromochloromethane	20	20.3	ug/L	102	2		82	110	20
	1,2-Dibromoethane	20	20.3	ug/L	102	3		81	110	20
	Tetrachloroethene	20	19.4	ug/L	97	1		67	123	15
	Chlorobenzene	20	19.9	ug/L	100	0		82	109	15
	Ethyl Benzene	20	20.0	ug/L	100	0		83	109	16
	m/p-Xylenes	40	39.8	ug/L	100	0		82	110	15
	o-Xylene	20	19.9	ug/L	100	1		83	109	20
	Styrene	20	20.0	ug/L	100	1		80	111	17
	Bromoform	20	19.8	ug/L	99	2		79	109	20
	Isopropylbenzene	20	19.1	ug/L	96	2		83	112	29
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97	1		76	118	20
	1,3-Dichlorobenzene	20	19.4	ug/L	97	2		82	108	20
	1,4-Dichlorobenzene	20	19.4	ug/L	97	0		82	107	15
	1,2-Dichlorobenzene	20	19.5	ug/L	98	1		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2790 **Analytical Method:** SW8260-Low

Client: Garden State Laboratories, Inc. **Datafile :** VX047255.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0807WBSD01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/L	98	2		68	112	20
	1,2,4-Trichlorobenzene	20	19.5	ug/L	98	2		75	113	29
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95	2		76	114	29

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0807WBL01

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q2790

Lab File ID: VX047253.D Lab Sample ID: VX0807WBL01

Date Analyzed: 08/07/2025 Time Analyzed: 11:03

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
VX0807WBS01	VX0807WBS01	VX047254.D	08/07/2025
VX0807WBSD01	VX0807WBSD01	VX047255.D	08/07/2025
250806062-03 Trip blank	Q2790-02	VX047256.D	08/07/2025
250806078-01 VOA	Q2790-01	VX047257.D	08/07/2025
250806078-01 VOADL	Q2790-01DL	VX047259.D	08/07/2025

COMMENTS:

Raw Data: **VX047054.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG NO.: Q2790
Lab File ID: VX047054.D
BFB Injection Date: 07/21/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:53
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	19.4
75	30.0 - 60.0% of mass 95	52.5
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	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.3 (7.3) 1
176	95.0 - 101.0% of mass 174	69.5 (95.9) 1
177	5.0 - 9.0% of mass 176	5 (7.2) 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
VSTDICC001	VSTDICC001	VX047055.D	07/21/2025	09:47
VSTDICC005	VSTDICC005	VX047056.D	07/21/2025	10:08
VSTDICC020	VSTDICC020	VX047057.D	07/21/2025	10:29
VSTDICCC050	VSTDICCC050	VX047058.D	07/21/2025	10:50
VSTDICC100	VSTDICC100	VX047059.D	07/21/2025	11:11
VSTDICC150	VSTDICC150	VX047060.D	07/21/2025	11:32

Raw Data: **VX047250.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG NO.: Q2790
Lab File ID: VX047250.D
BFB Injection Date: 08/07/2025
Instrument ID: MSVOA_X
BFB Injection Time: 09:44
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	19.9
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	72.3
175	5.0 - 9.0% of mass 174	5.5 (7.6) 1
176	95.0 - 101.0% of mass 174	69.7 (96.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047251.D	08/07/2025	10:15
VX0807WBL01	VX0807WBL01	VX047253.D	08/07/2025	11:03
VX0807WBS01	VX0807WBS01	VX047254.D	08/07/2025	11:58
VX0807WBSD01	VX0807WBSD01	VX047255.D	08/07/2025	12:23
250806062-03 Trip blank	Q2790-02	VX047256.D	08/07/2025	12:45
250806078-01 VOA	Q2790-01	VX047257.D	08/07/2025	13:06
250806078-01 VOADL	Q2790-01DL	VX047259.D	08/07/2025	13:48

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q2790

Lab File ID: VX047251.D Date Analyzed: 08/07/2025

Instrument ID: MSVOA_X Time Analyzed: 10:15

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	260367	5.56	434515	6.76	373271	10.06
UPPER LIMIT	520734	6.062	869030	7.263	746542	10.555
LOWER LIMIT	130184	5.062	217258	6.263	186636	9.555
EPA SAMPLE NO.						
250806078-01 VOA	239585	5.56	411318	6.77	376839	10.06
250806078-01 VOADL	317352	5.56	603039	6.77	548202	10.06
250806062-03 Trip blank	268300	5.56	464283	6.77	425258	10.06
VX0807WBL01	248214	5.56	424037	6.77	386661	10.06
VX0807WBS01	246718	5.56	412728	6.76	372342	10.06
VX0807WBSD01	240405	5.56	399996	6.76	360274	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q2790

Lab File ID: VX047251.D Date Analyzed: 08/07/2025

Instrument ID: MSVOA_X Time Analyzed: 10:15

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	180150	12.018				
UPPER LIMIT	360300	12.518				
LOWER LIMIT	90075	11.518				
EPA SAMPLE NO.						
250806078-01 VOA	195537	12.02				
250806078-01 VOADL	268161	12.02				
250806062-03 Trip blank	220877	12.02				
VX0807WBL01	198090	12.02				
VX0807WBS01	189057	12.02				
VX0807WBSD01	184985	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

Raw Data: **VX047257.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806078-01 VOA	SDG No.:	Q2790
Lab Sample ID:	Q2790-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047257.D	1	08/07/25 13:06	VX080725

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	1300	E	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	6.90		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.70		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	0.61	J	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	1500	E	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	4.10		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.90		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	15.8		0.68	5.00	ug/L
108-88-3	Toluene	7.00		0.14	1.00	ug/L

Raw Data: **VX047257.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806078-01 VOA	SDG No.:	Q2790
Lab Sample ID:	Q2790-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047257.D	1	08/07/25 13:06	VX080725

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	1.40		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	9.10		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	8.00		0.24	2.00	ug/L
95-47-6	o-Xylene	4.90		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	0.96	J	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	4.20		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.54	J	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	41.2		75 - 124	82%	SPK: 50
2037-26-5	Toluene-d8	45.5		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	240000	5.562			
540-36-3	1,4-Difluorobenzene	411000	6.769			
3114-55-4	Chlorobenzene-d5	377000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	196000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047257.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806078-01 VOA	SDG No.:	Q2790
Lab Sample ID:	Q2790-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047257.D	1	08/07/25 13:06	VX080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000115-07-1	unknown1.160	11.0	J		1.16	ug/L
007446-09-5	Sulfur dioxide	370	J		1.28	ug/L
000074-93-1	Methanethiol	8.40	J		1.57	ug/L
60-29-7	Diethyl Ether	7.00	J		2.15	ug/L
75-65-0	Tert butyl alcohol	2400	J		2.95	ug/L
109-99-9	Tetrahydrofuran	320	J		5.01	ug/L
000107-87-9	2-Pentanone	28.3	J		7.46	ug/L
006032-29-7	2-Pentanol	5.10	J		7.91	ug/L
007379-12-6	3-Hexanone, 2-methyl-	7.60	J		9.38	ug/L
103-65-1	n-propylbenzene	0.60	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.68	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	2.90	J		11.8	ug/L
000470-82-6	Eucalyptol	5.80	J		12.1	ug/L
001195-79-5	Fenchone	19.2	J		12.9	ug/L
000464-49-3	(+)-2-Bornanone	24.2	J		13.5	ug/L
001490-04-6	Cyclohexanol, 5-methyl-2-(1-methyl	14.6	J		13.6	ug/L
91-20-3	Naphthalene	23.5	J		13.8	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Time: Aug 08 04:34:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

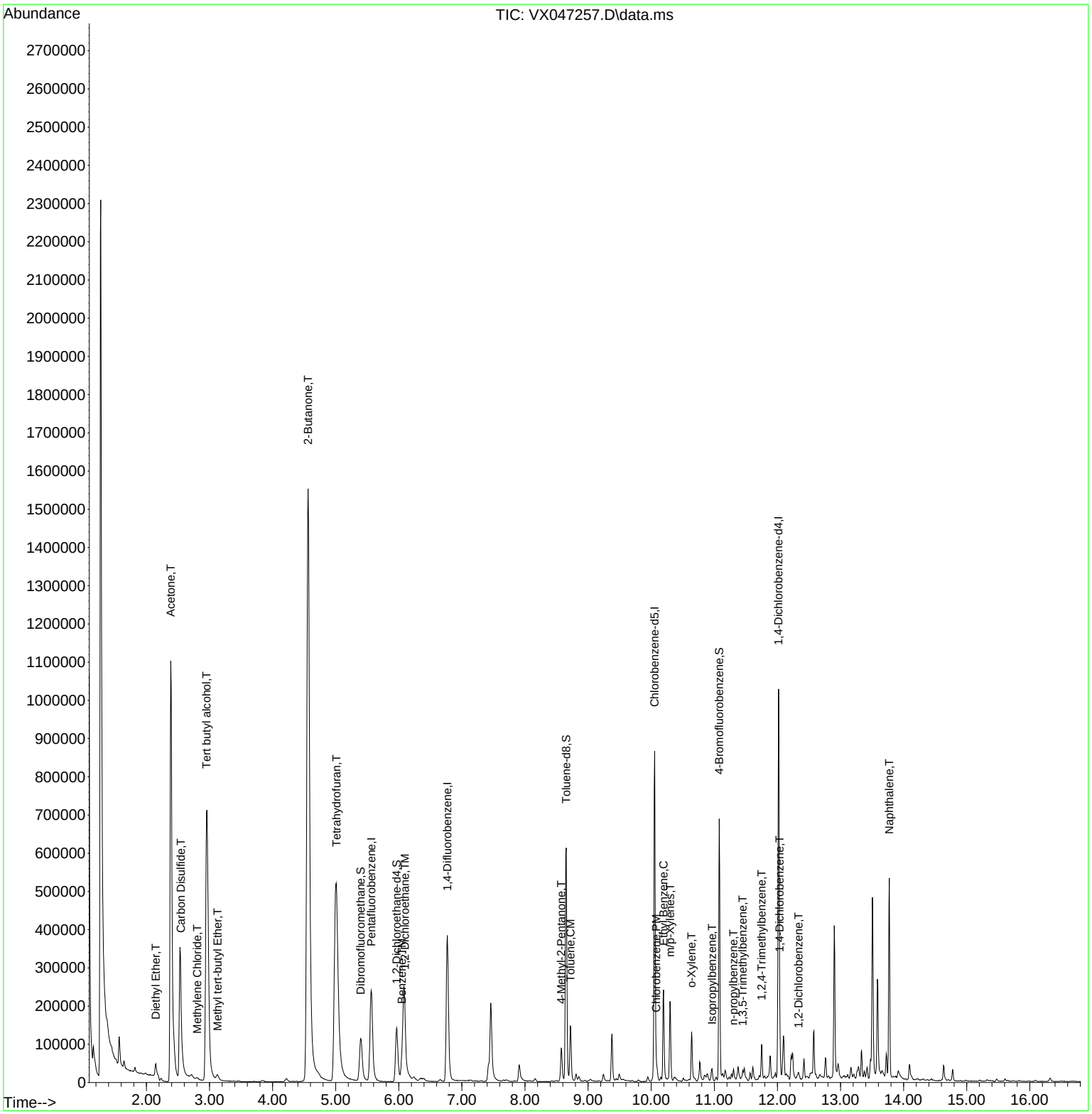
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	239585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	411318	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	376839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	195537	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	146093	48.951	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.900%			
35) Dibromofluoromethane	5.397	113	104688	41.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 82.440%			
50) Toluene-d8	8.653	98	373923	45.465	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.920%#			
62) 4-Bromofluorobenzene	11.079	95	183021	51.638	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.280%			
Target Compounds						Qvalue
8) Diethyl Ether	2.148	74	12390	6.964	ug/l	99
11) Tert butyl alcohol	2.953	59	802930	2389.467	ug/l	95
16) Acetone	2.386	43	1501067	1255.507	ug/l	99
17) Carbon Disulfide	2.544	76	60052	6.894	ug/l	97
19) Methyl tert-butyl Ether	3.129	73	15808	1.725	ug/l	95
20) Methylene Chloride	2.806	84	2014	0.612	ug/l	94
25) 2-Butanone	4.562	43	2539468	1458.730	ug/l	98
29) Tetrahydrofuran	5.013	42	354569	315.667	ug/l	98
40) Benzene	6.050	78	51048	4.075	ug/l	97
42) 1,2-Dichloroethane	6.098	62	8239	1.867	ug/l	81
51) 4-Methyl-2-Pentanone	8.574	43	58272	15.765	ug/l	97
52) Toluene	8.720	92	53779	6.981	ug/l	97
65) Chlorobenzene	10.079	112	12387	1.403	ug/l	98
67) Ethyl Benzene	10.195	91	139824	9.059	ug/l	99
68) m/p-Xylenes	10.299	106	46098	7.981	ug/l	98
69) o-Xylene	10.640	106	27143	4.939	ug/l	100
73) Isopropylbenzene	10.963	105	14783	0.958	ug/l	95
78) n-propylbenzene	11.305	91	11088	0.601	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	8703	0.683	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	37382	2.941	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	29946	4.204	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	3646	0.543	ug/l	90
95) Naphthalene	13.774	128	305822	23.498	ug/l	100

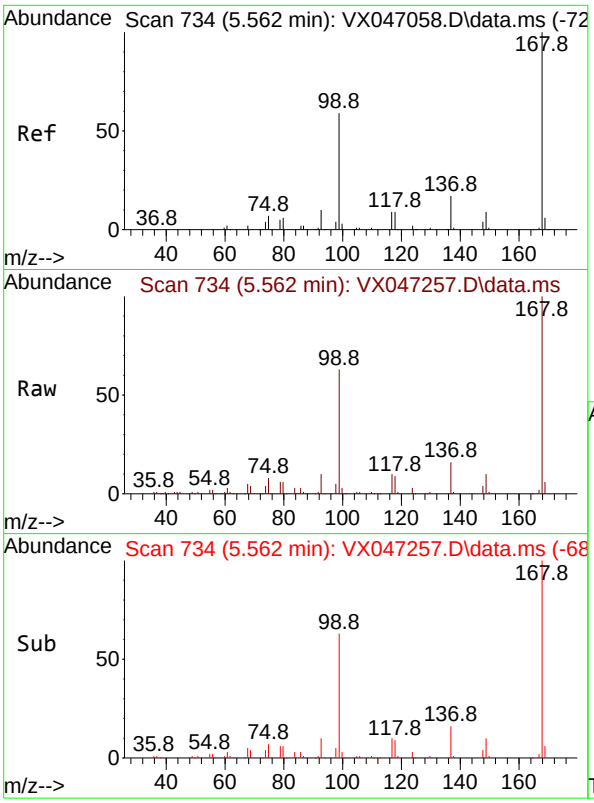
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Time: Aug 08 04:34:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



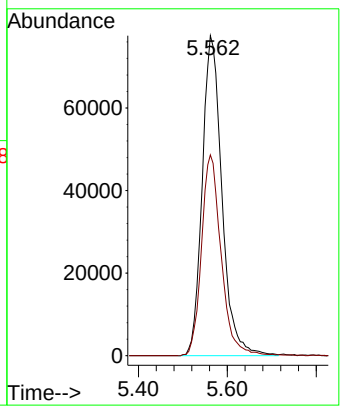


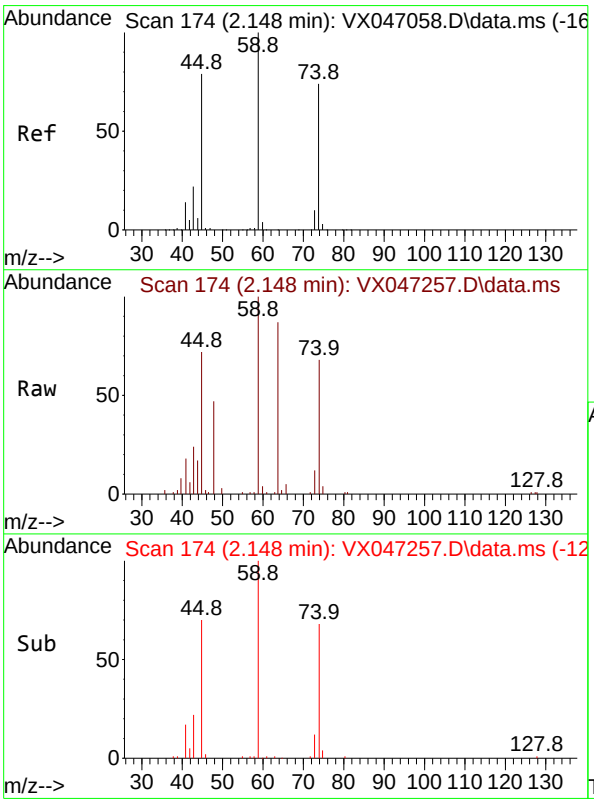
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion:168 Resp: 239585

Ion	Ratio	Lower	Upper
168	100		
99	62.8	48.0	72.0

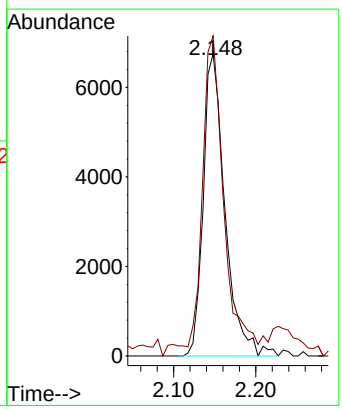


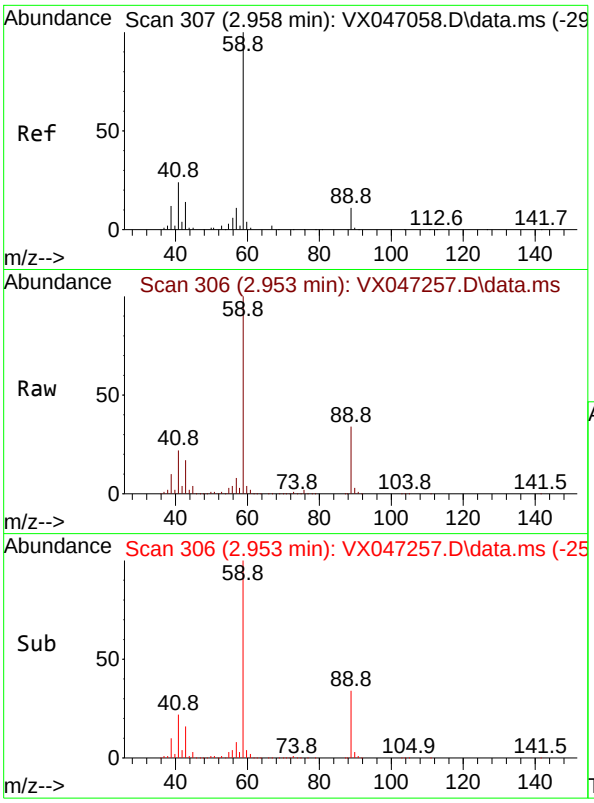


#8
Diethyl Ether
Concen: 6.964 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion: 74 Resp: 12390

Ion	Ratio	Lower	Upper
74	100		
45	105.4	53.0	159.0



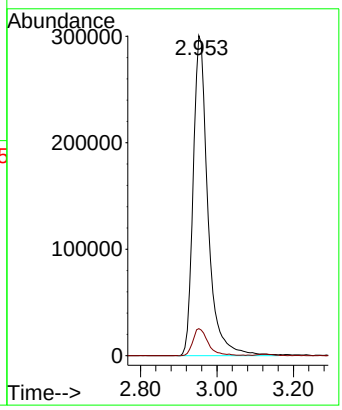


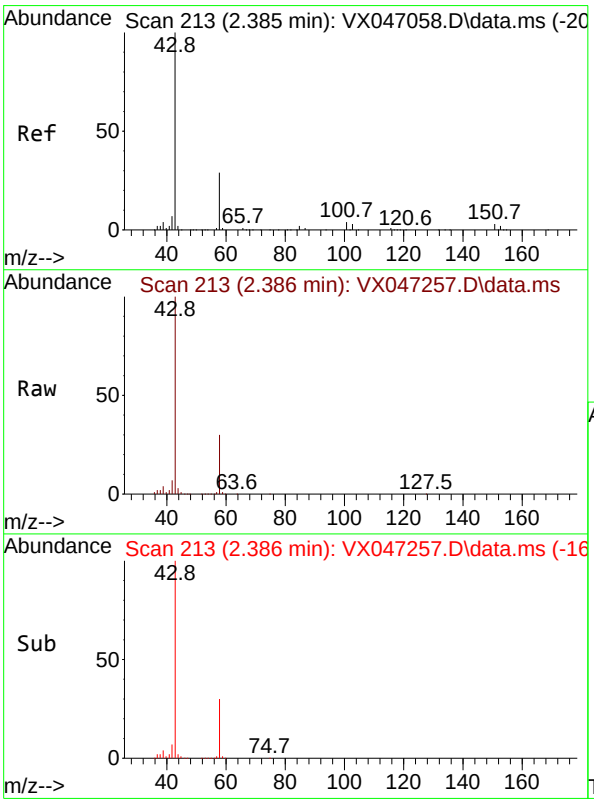
#11
Tert butyl alcohol
Concen: 2389.467 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.005 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion: 59 Resp: 802930

Ion	Ratio	Lower	Upper
59	100		
57	8.8	8.5	12.7

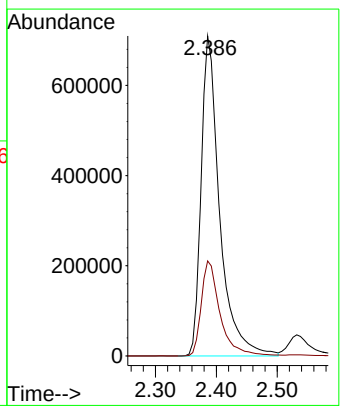


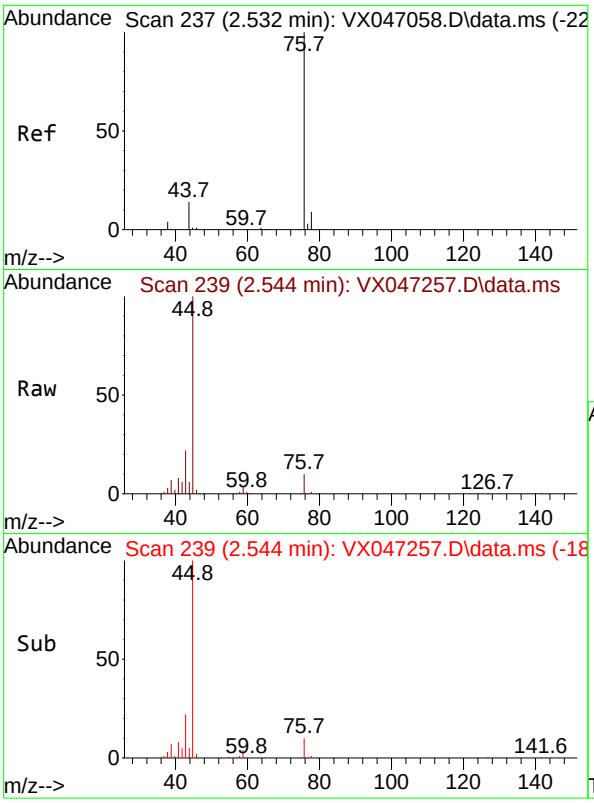


#16
Acetone
Concen: 1255.507 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion: 43 Resp: 1501067

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.0	36.0



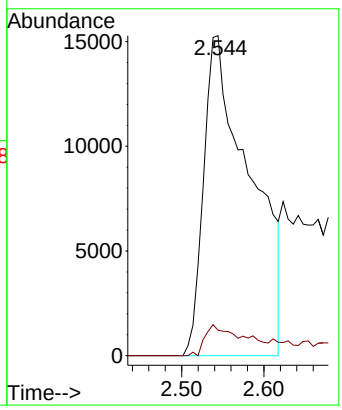


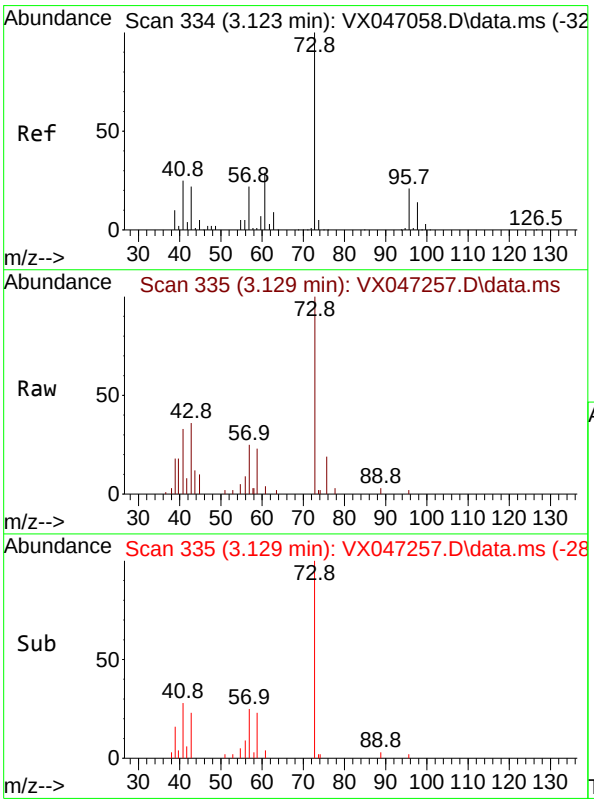
#17
Carbon Disulfide
Concen: 6.894 ug/l
RT: 2.544 min Scan# 2
Delta R.T. 0.013 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion: 76 Resp: 60052

Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.0	10.4

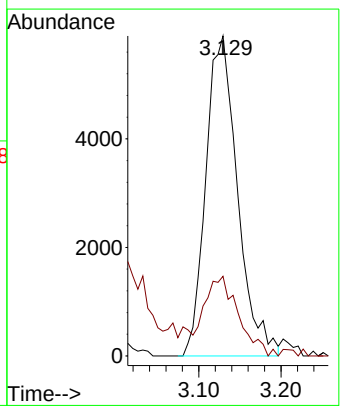


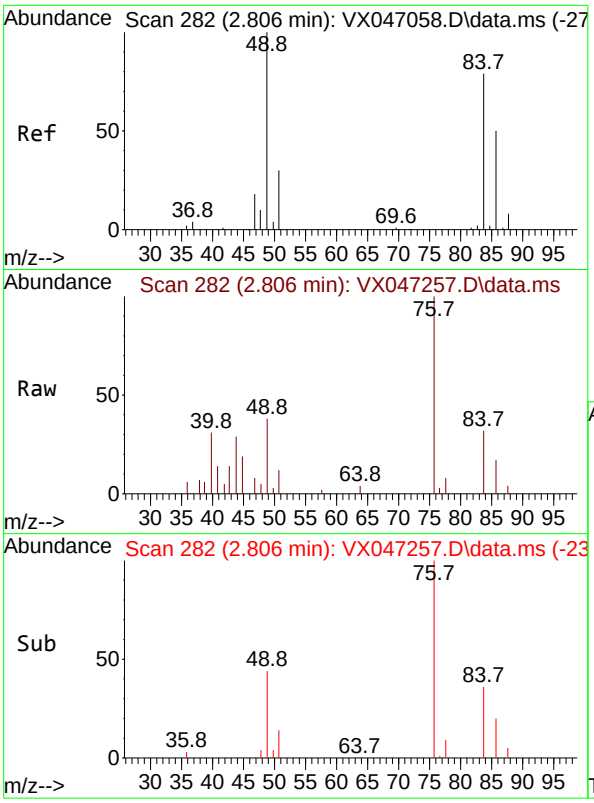


#19
Methyl tert-butyl Ether
Concen: 1.725 ug/l
RT: 3.129 min Scan# 335
Delta R.T. 0.006 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion: 73 Resp: 15808

Ion	Ratio	Lower	Upper
73	100		
57	24.4	17.7	26.5



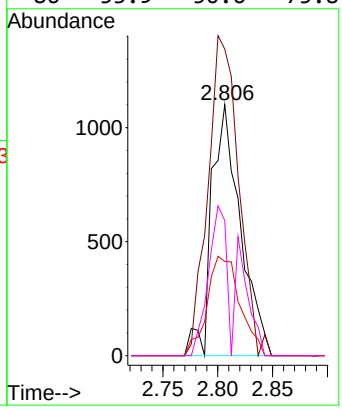


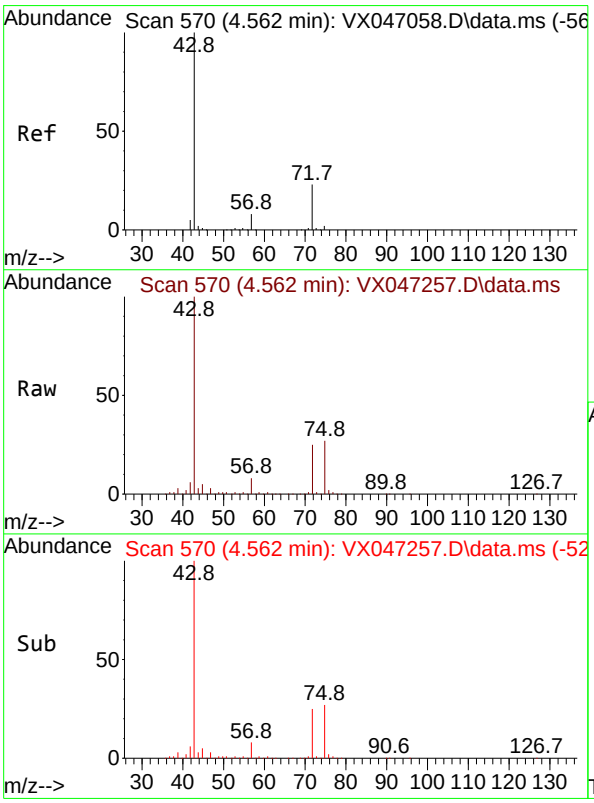
#20
Methylene Chloride
Concen: 0.612 ug/l
RT: 2.806 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion: 84 Resp: 2014

Ion	Ratio	Lower	Upper
84	100		
49	122.1	101.6	152.4
51	37.5	30.3	45.5
86	53.9	50.6	75.8

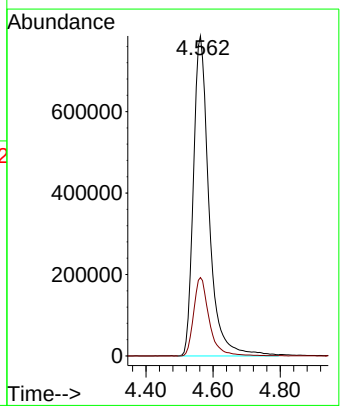


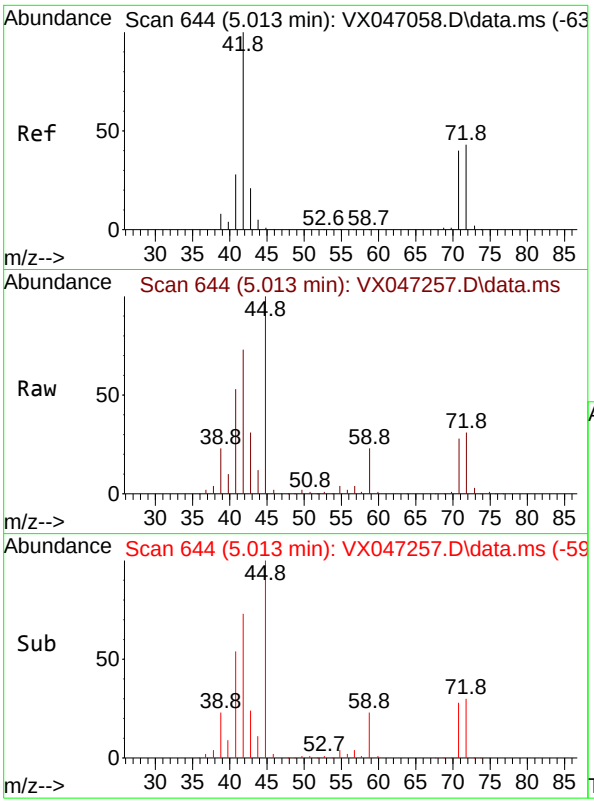


#25
2-Butanone
Concen: 1458.730 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion: 43 Resp: 2539468

Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.8	28.2



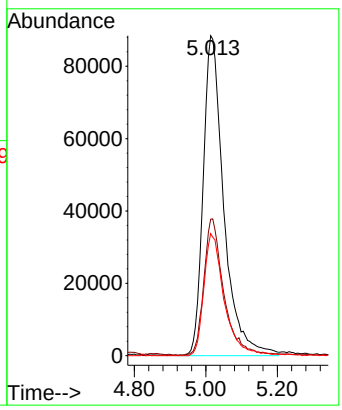


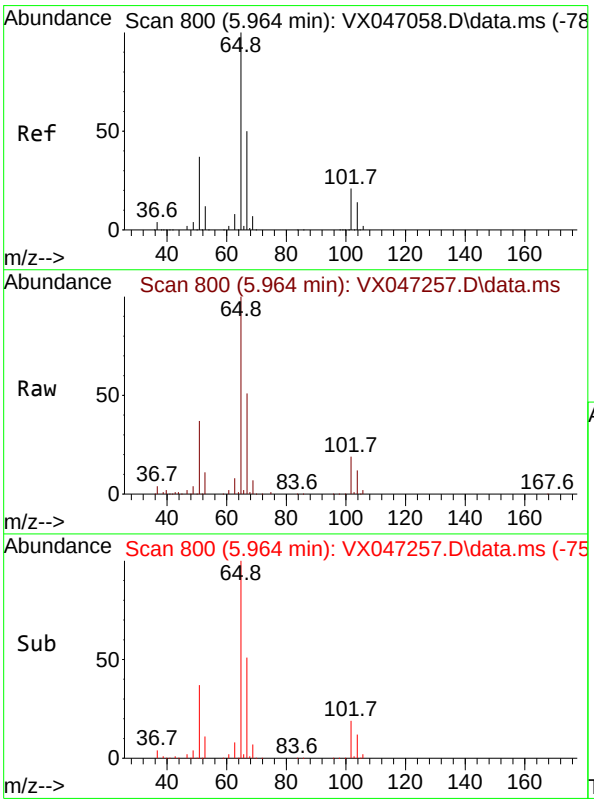
#29
Tetrahydrofuran
Concen: 315.667 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion: 42 Resp: 354569

Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.7	50.5
71	37.5	31.0	46.4

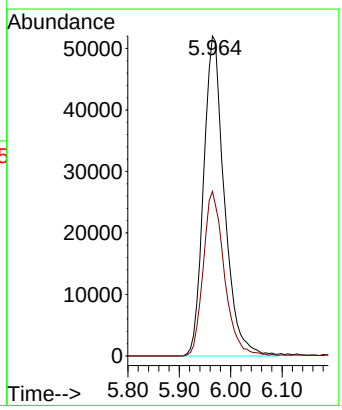


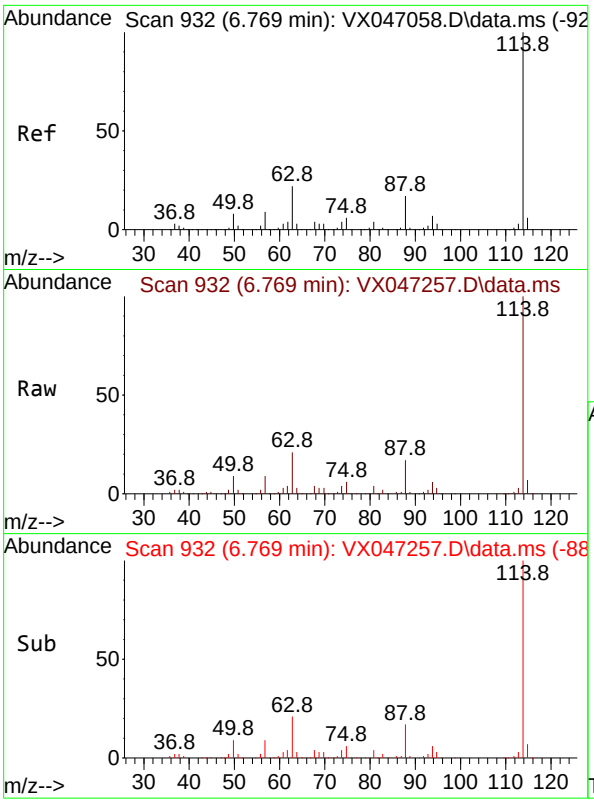


#33
1,2-Dichloroethane-d4
Concen: 48.951 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion: 65 Resp: 146093

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.8



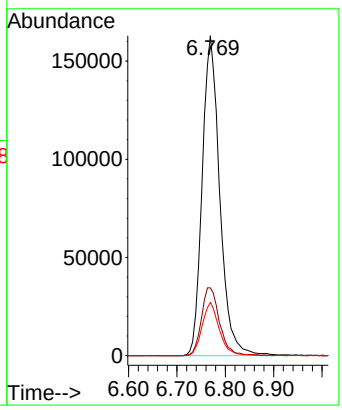


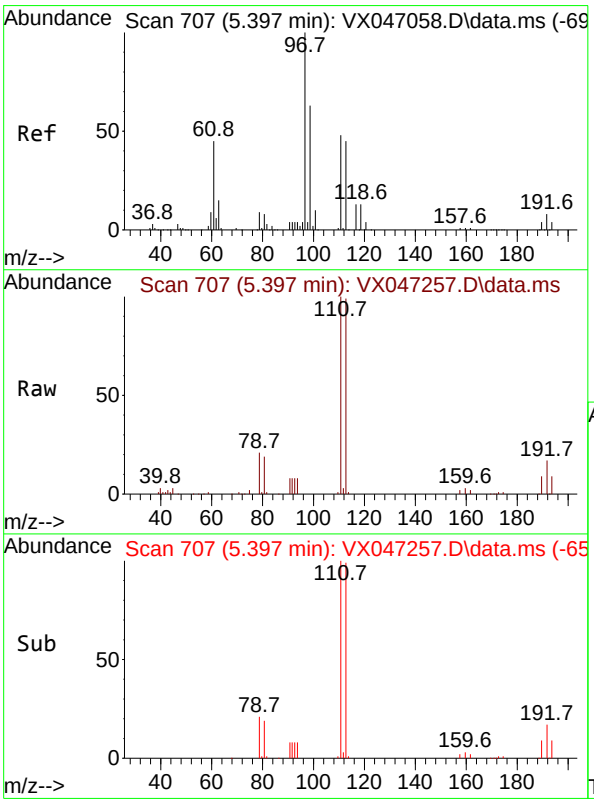
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion:114 Resp: 411318

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.2
88	16.6	0.0	33.8

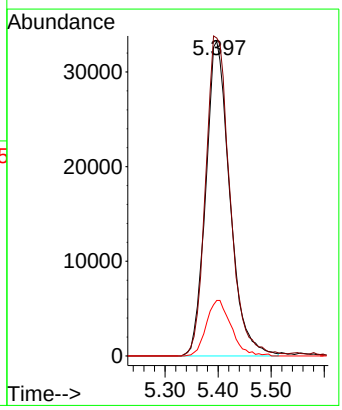


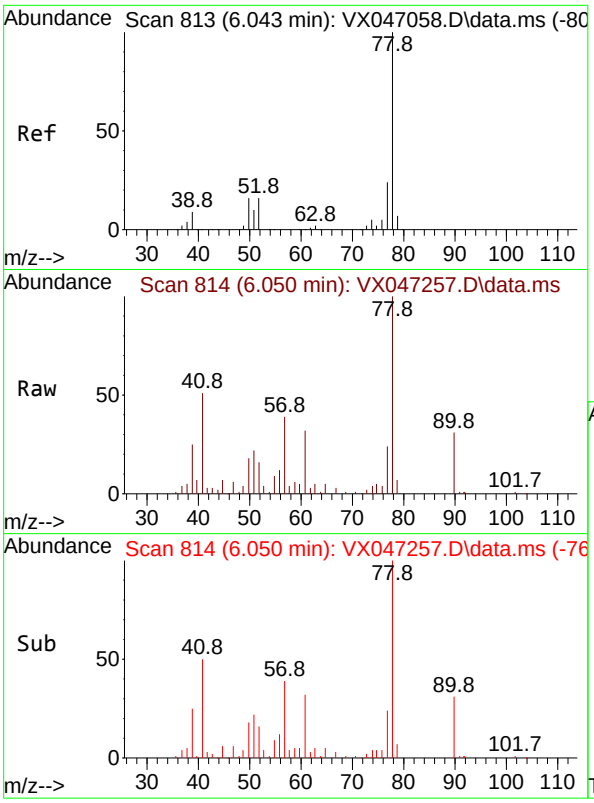


#35
Dibromofluoromethane
Concen: 41.222 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion:113 Resp: 104688

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	124.0
192	18.3	14.9	22.3



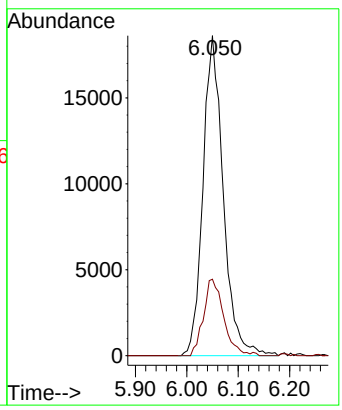


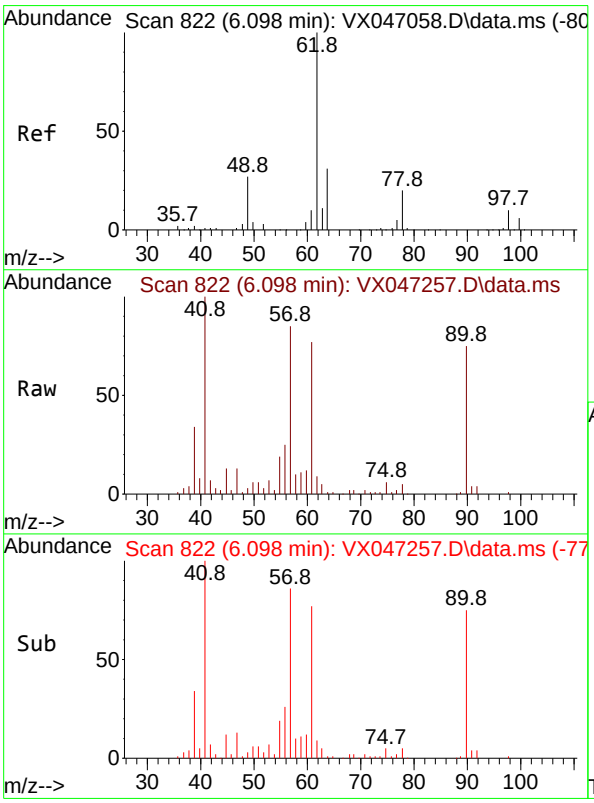
#40
Benzene
Concen: 4.075 ug/l
RT: 6.050 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion: 78 Resp: 51048

Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.4

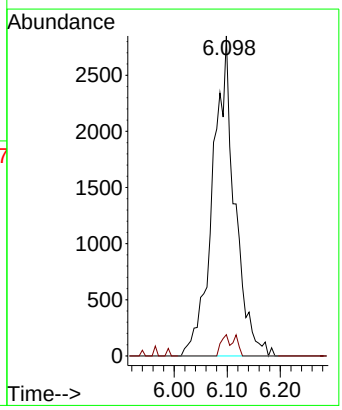


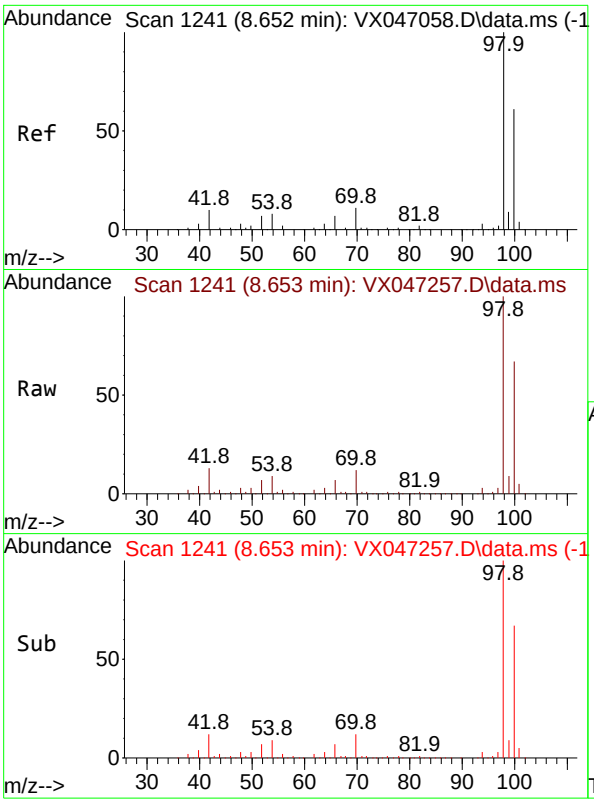


#42
1,2-Dichloroethane
Concen: 1.867 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion: 62 Resp: 8239

Ion	Ratio	Lower	Upper
62	100		
98	2.4	0.0	18.8



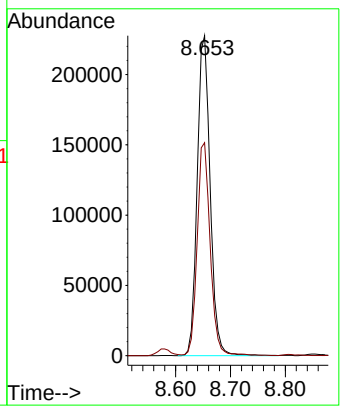


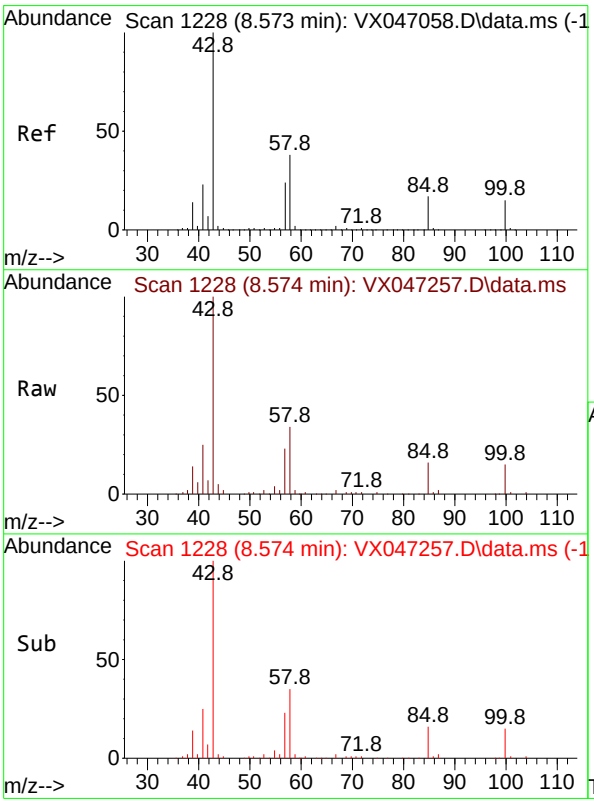
#50
Toluene-d8
Concen: 45.465 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion: 98 Resp: 373923

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.3	79.9

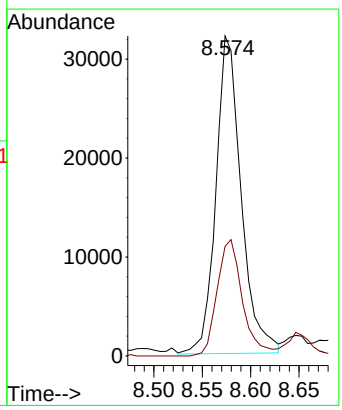


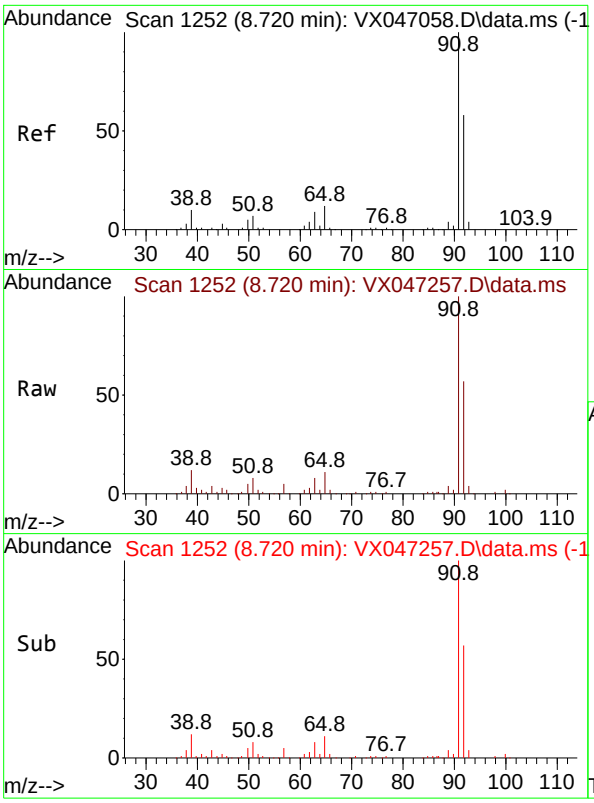


#51
4-Methyl-2-Pentanone
Concen: 15.765 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion: 43 Resp: 58272

Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.6	45.8



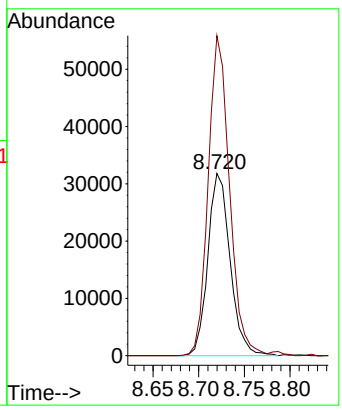


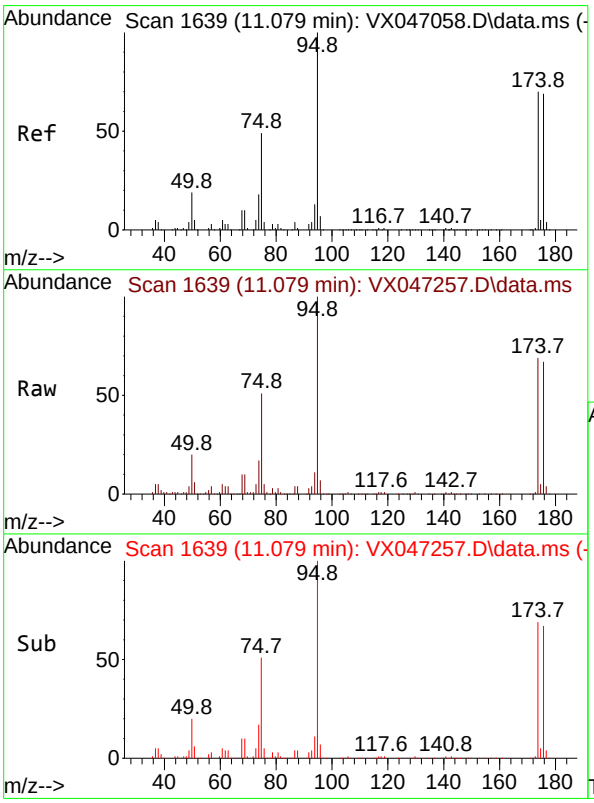
#52
Toluene
Concen: 6.981 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion: 92 Resp: 53779

Ion	Ratio	Lower	Upper
92	100		
91	168.1	137.9	206.9

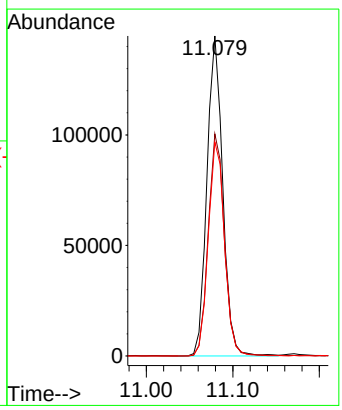


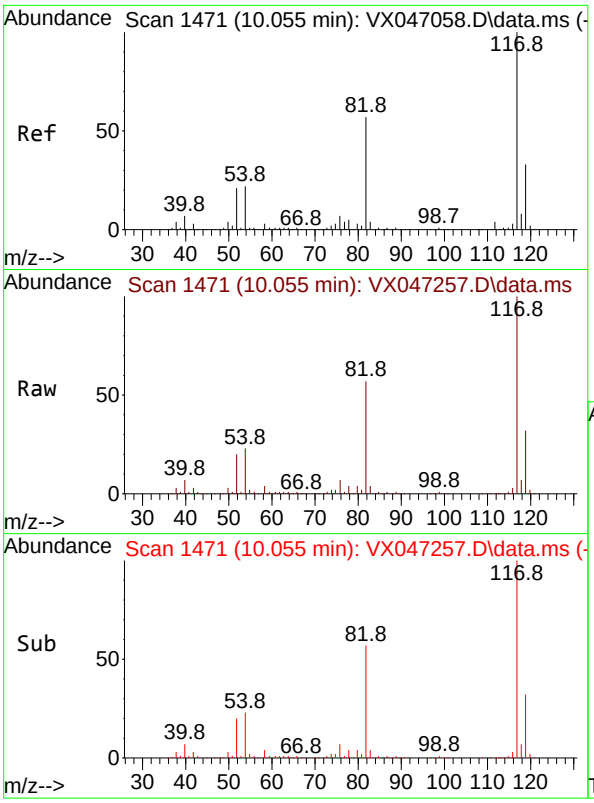


#62
4-Bromofluorobenzene
Concen: 51.638 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion: 95 Resp: 183021

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	144.6
176	69.0	0.0	139.6



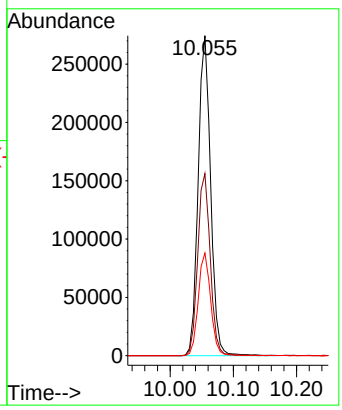


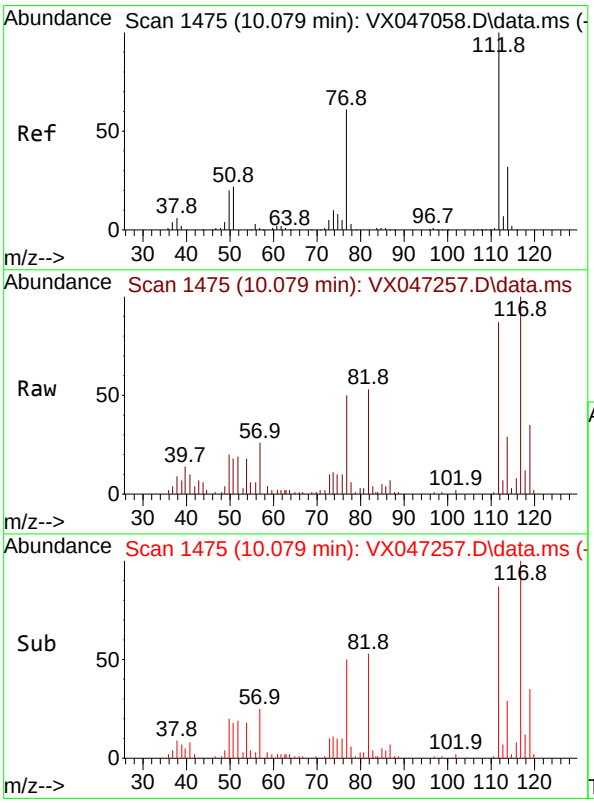
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion:117 Resp: 376839

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.4	68.2
119	32.1	26.1	39.1

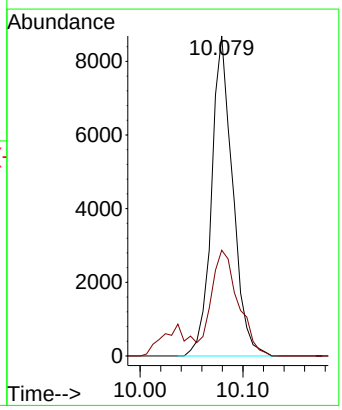


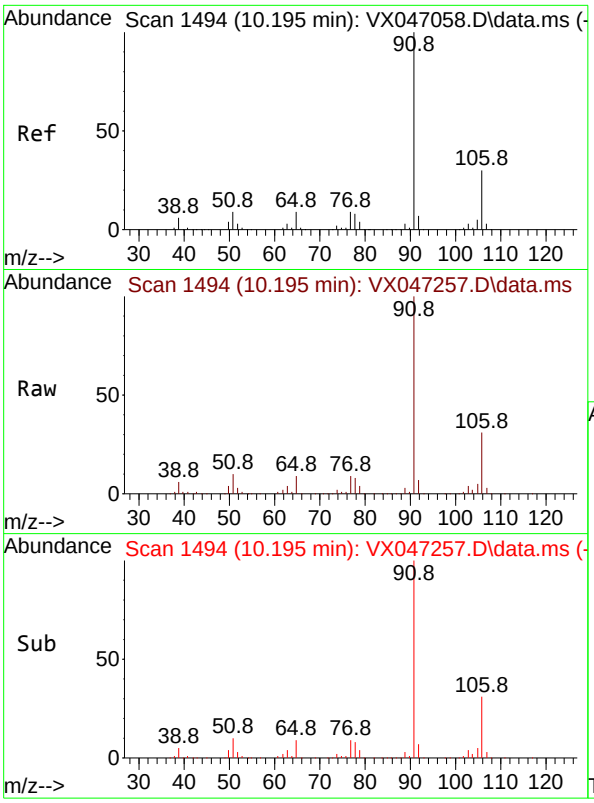


#65
Chlorobenzene
Concen: 1.403 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion:112 Resp: 12387

Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.8	38.6



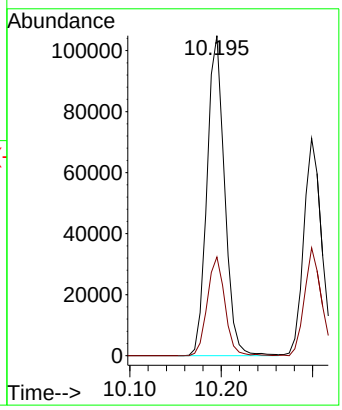


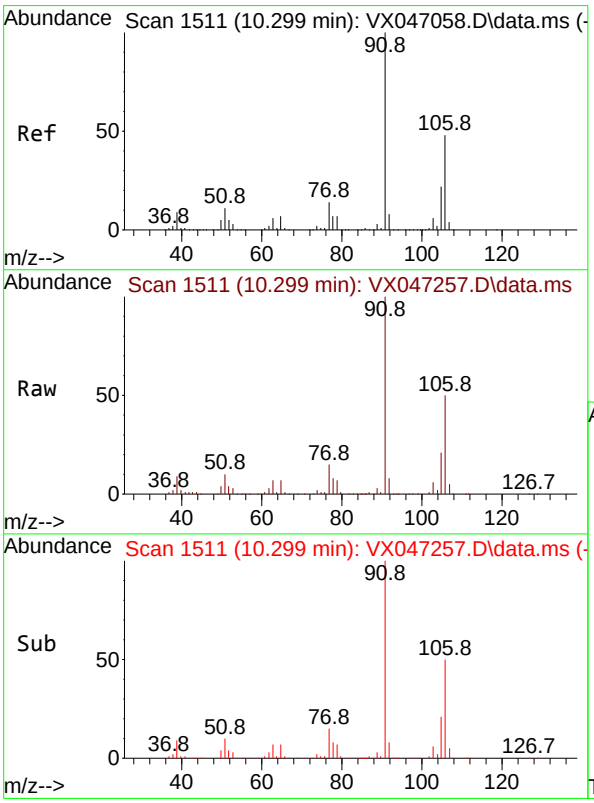
#67
Ethyl Benzene
Concen: 9.059 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion: 91 Resp: 139824

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4

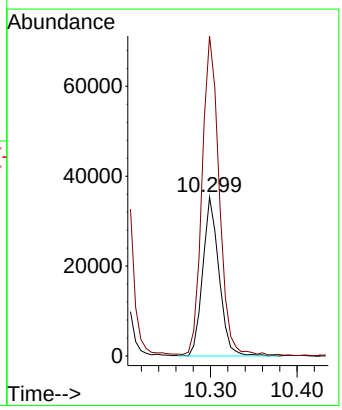


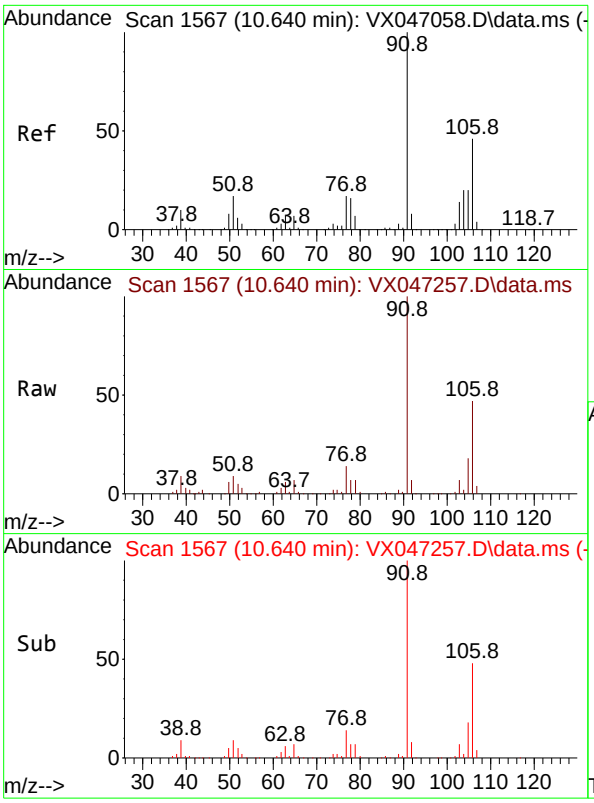


#68
m/p-Xylenes
Concen: 7.981 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion:106 Resp: 46098

Ion	Ratio	Lower	Upper
106	100		
91	212.2	167.4	251.0



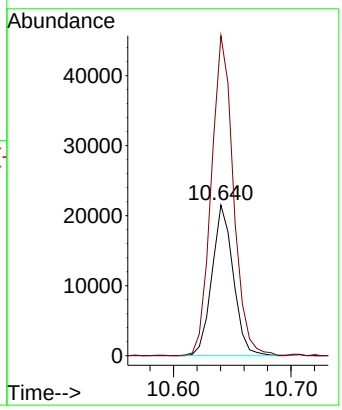


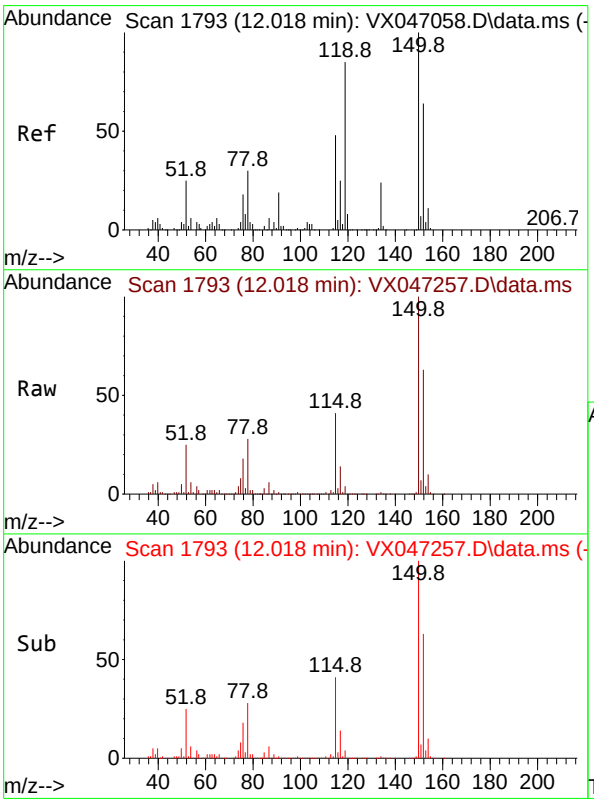
#69
o-Xylene
Concen: 4.939 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion:106 Resp: 27143

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.3	331.0

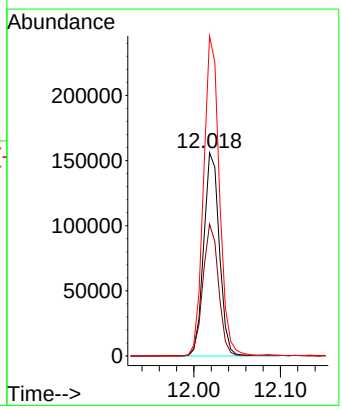


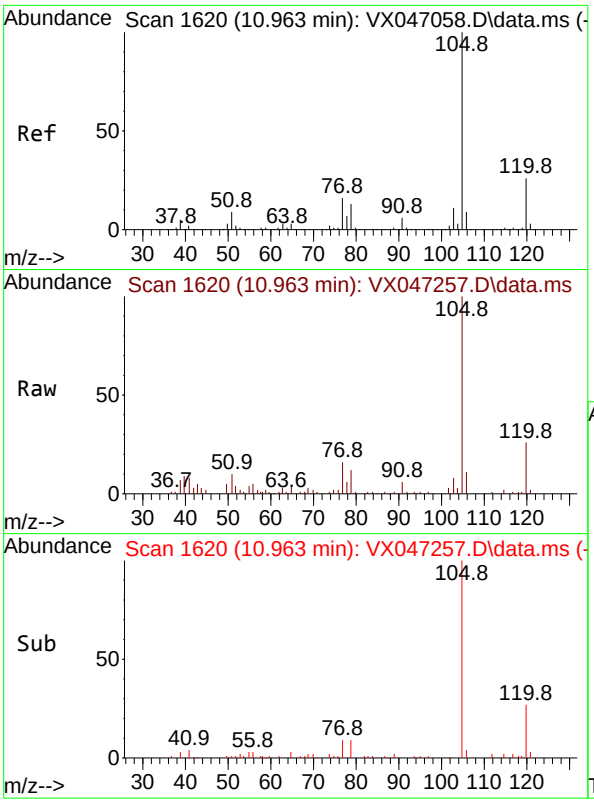


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion:152 Resp: 195537

Ion	Ratio	Lower	Upper
152	100		
115	64.4	45.6	136.7
150	159.7	0.0	354.6



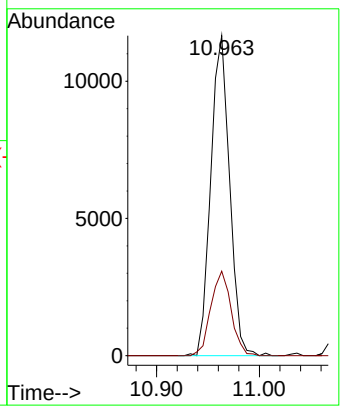


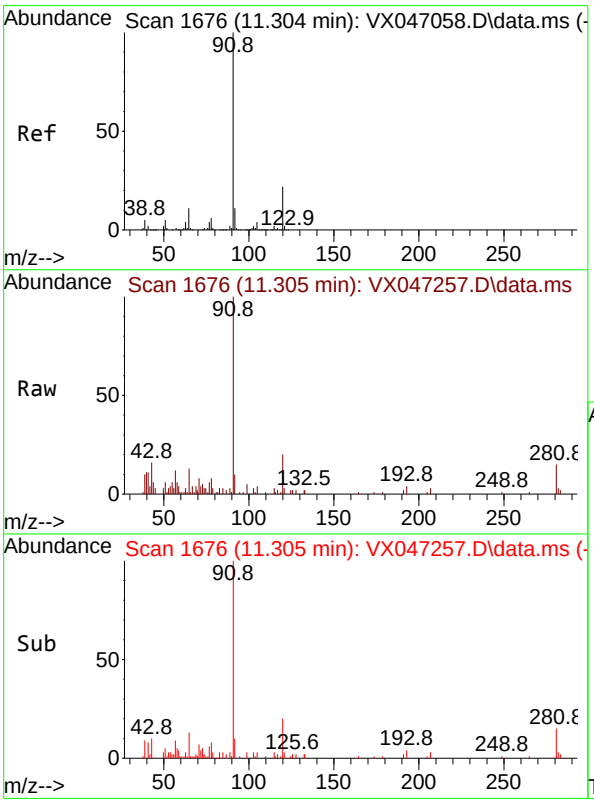
#73
Isopropylbenzene
Concen: 0.958 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion:105 Resp: 14783

Ion	Ratio	Lower	Upper
105	100		
120	28.5	12.9	38.7

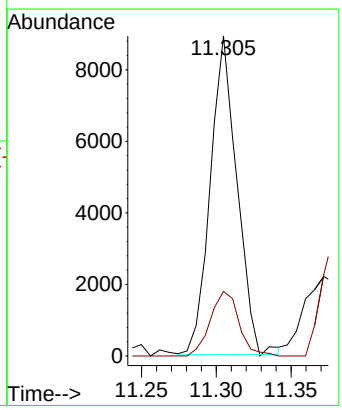


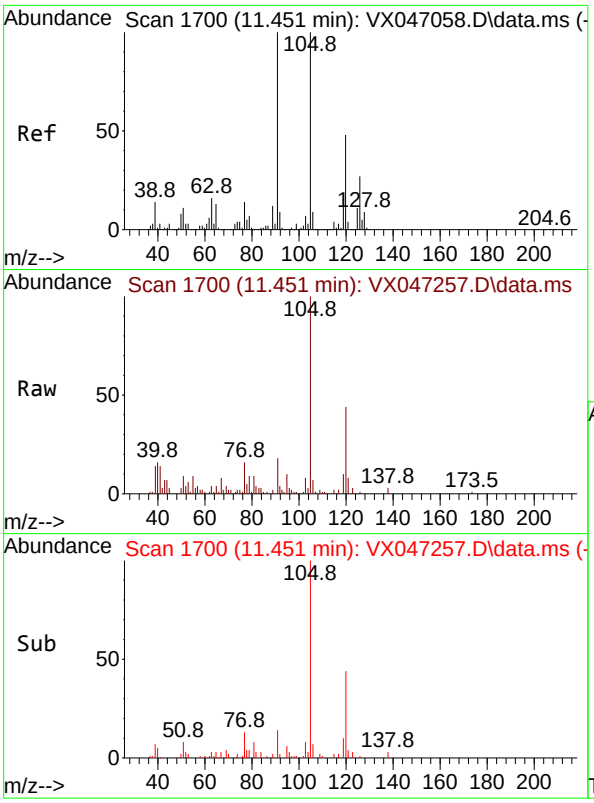


#78
n-propylbenzene
Concen: 0.601 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion: 91 Resp: 11088

Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.0	33.0



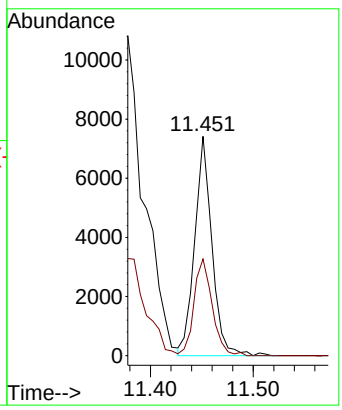


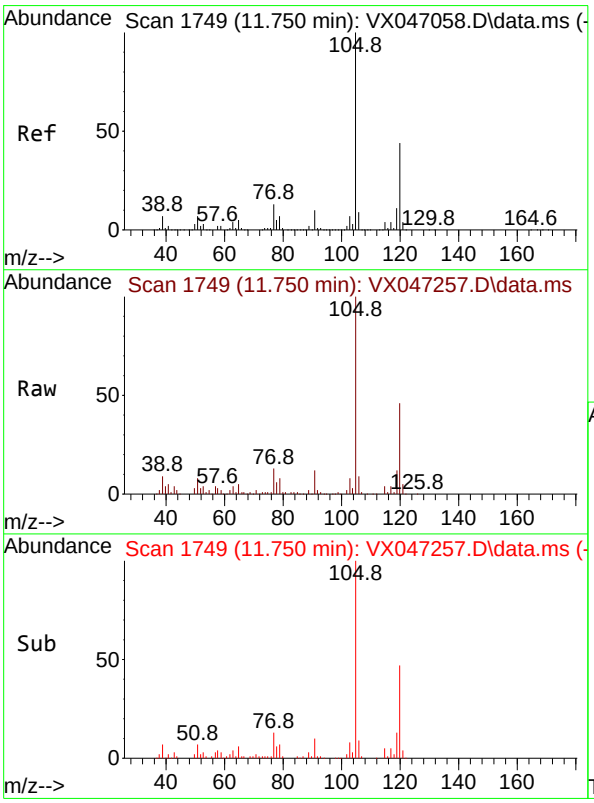
#80
1,3,5-Trimethylbenzene
Concen: 0.683 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion:105 Resp: 8703

Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.8	71.5

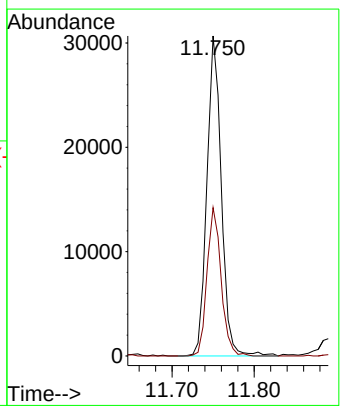


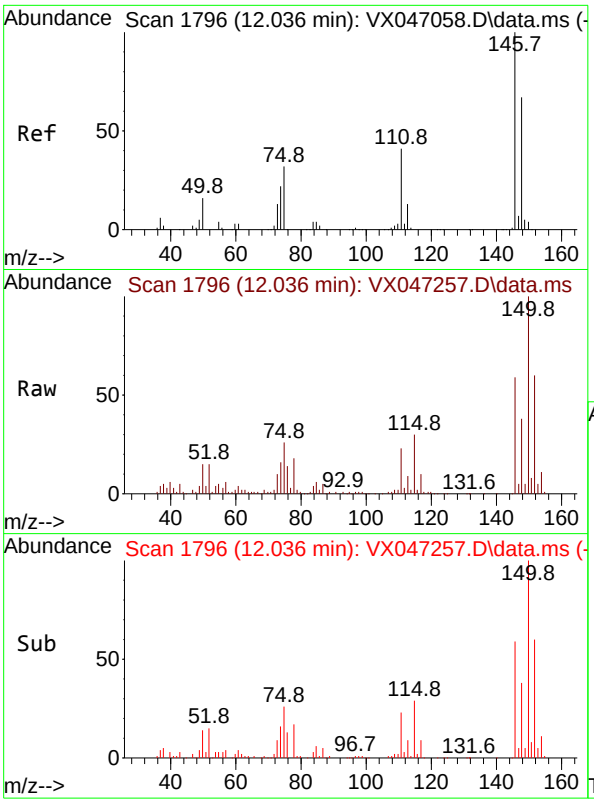


#84
1,2,4-Trimethylbenzene
Concen: 2.941 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion:105 Resp: 37382

Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.0	66.0



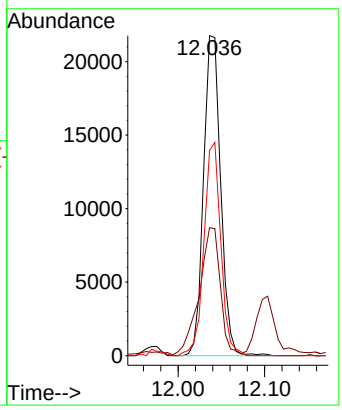


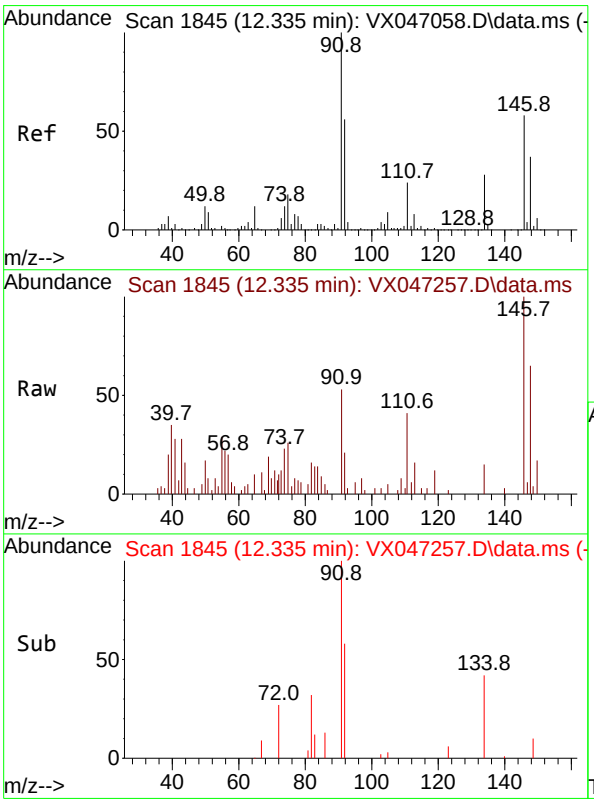
#88
1,4-Dichlorobenzene
Concen: 4.204 ug/l
RT: 12.036 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion:146 Resp: 29946

Ion	Ratio	Lower	Upper
146	100		
111	48.5	20.6	61.9
148	65.5	33.0	98.9

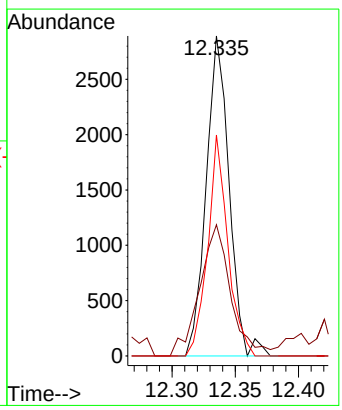


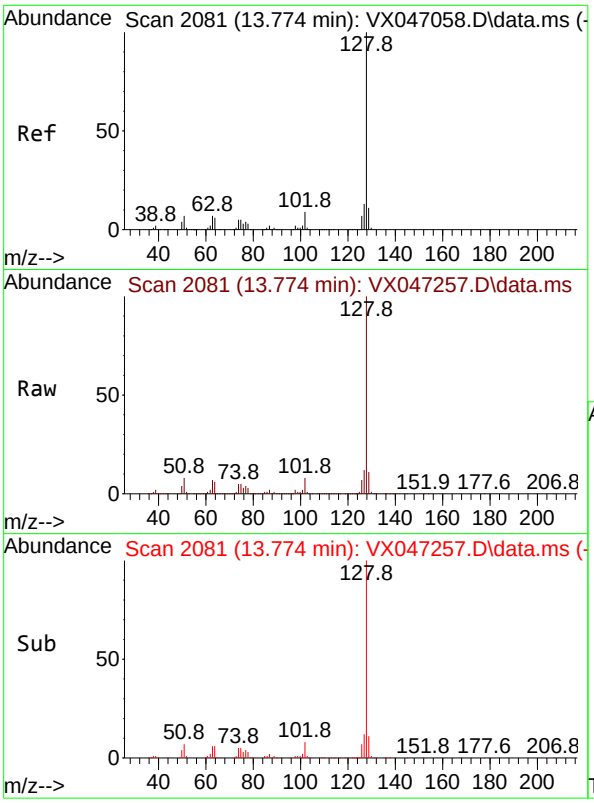


#91
1,2-Dichlorobenzene
Concen: 0.543 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Tgt Ion:146 Resp: 3646

Ion	Ratio	Lower	Upper
146	100		
111	55.4	21.6	64.6
148	60.6	31.9	95.7



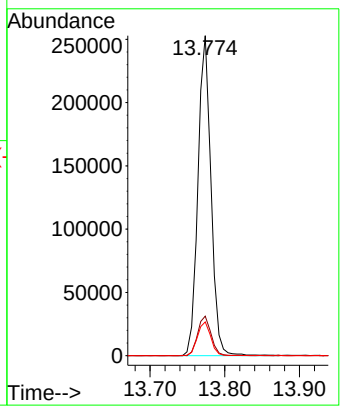


#95
Naphthalene
Concen: 23.498 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047257.D
Acq: 07 Aug 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Tgt Ion:128 Resp: 305822

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.6	13.0



Sample Results: **VX047257.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047257.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.160	10	12	26	rVB2	76676	162943	2.95%	0.501%
2	1.276	26	31	68	rBV	2290692	5518462	100.00%	16.983%
3	1.569	75	79	89	rVV	77069	124899	2.26%	0.384%
4	2.148	170	174	184	rVB3	43418	104788	1.90%	0.322%
5	2.386	204	213	231	rBV	1101478	2412002	43.71%	7.423%
6	2.532	231	237	258	rVB	339539	832156	15.08%	2.561%
7	2.959	296	307	328	rBV2	707165	2144658	38.86%	6.600%
8	4.562	555	570	604	rBV	1550675	5138975	93.12%	15.815%
9	5.007	630	643	676	rBV3	516110	2297794	41.64%	7.071%
10	5.397	695	707	724	rBV5	109525	348051	6.31%	1.071%
11	5.562	724	734	758	rVB	237909	743699	13.48%	2.289%
12	5.964	790	800	809	rBV2	140593	394266	7.14%	1.213%
13	6.080	809	819	839	rVV2	247022	881751	15.98%	2.714%
14	6.769	923	932	954	rBV	381893	979996	17.76%	3.016%
15	7.458	1032	1045	1066	rBV	204880	555179	10.06%	1.709%
16	7.909	1113	1119	1134	rBV	42323	99346	1.80%	0.306%
17	8.574	1220	1228	1235	rBV	86258	164183	2.98%	0.505%
18	8.653	1235	1241	1248	rVV	610665	1019660	18.48%	3.138%
19	8.720	1248	1252	1262	rVV	145128	245712	4.45%	0.756%
20	9.378	1354	1360	1368	rBV	123749	195423	3.54%	0.601%
21	10.055	1461	1471	1483	rBV	863744	1285652	23.30%	3.957%
22	10.195	1489	1494	1501	rBV	233211	324406	5.88%	0.998%
23	10.299	1504	1511	1518	rVB	206344	287073	5.20%	0.883%
24	10.640	1563	1567	1574	rBV	126042	172545	3.13%	0.531%
25	10.768	1581	1588	1597	rBV	49159	84780	1.54%	0.261%
26	11.079	1634	1639	1645	rBV	682983	880307	15.95%	2.709%
27	11.378	1682	1688	1694	rVV3	31399	56844	1.03%	0.175%
28	11.750	1745	1749	1754	rVB	87646	104650	1.90%	0.322%
29	11.884	1761	1771	1778	rVB3	59218	92696	1.68%	0.285%
30	12.018	1787	1793	1801	rBV	1015806	1422506	25.78%	4.378%
31	12.097	1801	1806	1811	rVB3	103371	164353	2.98%	0.506%
32	12.219	1821	1826	1827	rBV	60768	73998	1.34%	0.228%
33	12.238	1827	1829	1838	rVV	67531	103574	1.88%	0.319%
34	12.420	1854	1859	1863	rBV2	53357	69153	1.25%	0.213%
35	12.579	1881	1885	1889	rVB	114125	143981	2.61%	0.443%
36	12.762	1911	1915	1920	rVB3	51083	72037	1.31%	0.222%

Sample Results: **VX047257.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

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\82X072125W.M
Title : SW846 8260

37	12.902	1932	1938	1945	rBV	396717	546905	9.91%	1.683%
38	12.963	1945	1948	1957	rVB5	37263	67708	1.23%	0.208%
39	13.335	2005	2009	2013	rVB	68315	89003	1.61%	0.274%
40	13.475	2028	2032	2033	rBV3	49087	55669	1.01%	0.171%
41	13.506	2033	2037	2045	rVV	473021	688249	12.47%	2.118%
42	13.585	2045	2050	2059	rVV3	257992	416055	7.54%	1.280%
43	13.725	2069	2073	2076	rVV2	61688	85582	1.55%	0.263%
44	13.774	2076	2081	2088	rVB	520950	640238	11.60%	1.970%
45	13.914	2100	2104	2117	rVB10	20937	56734	1.03%	0.175%
46	14.097	2127	2134	2144	rBV3	40161	81086	1.47%	0.250%
47	14.633	2214	2222	2231	rBV	39633	64405	1.17%	0.198%

Sum of corrected areas: 32494132

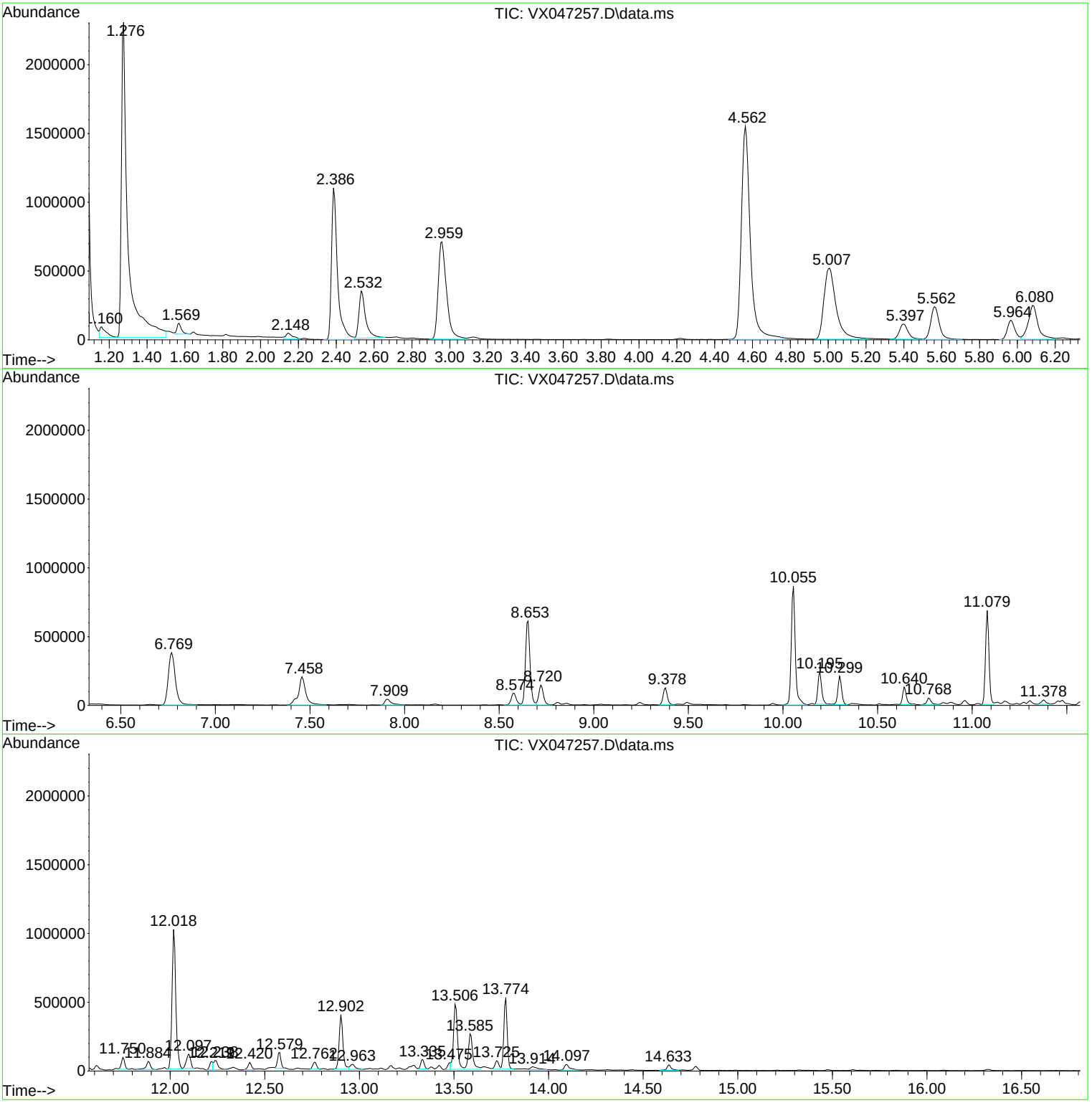
Sample Results: **VX047257.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

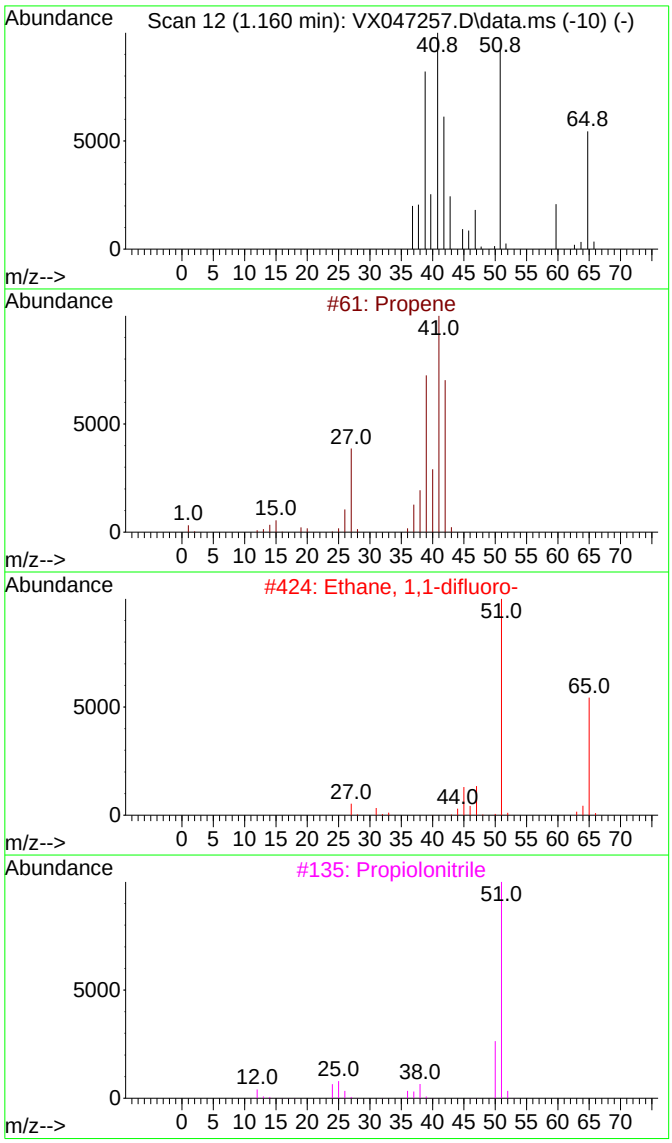
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

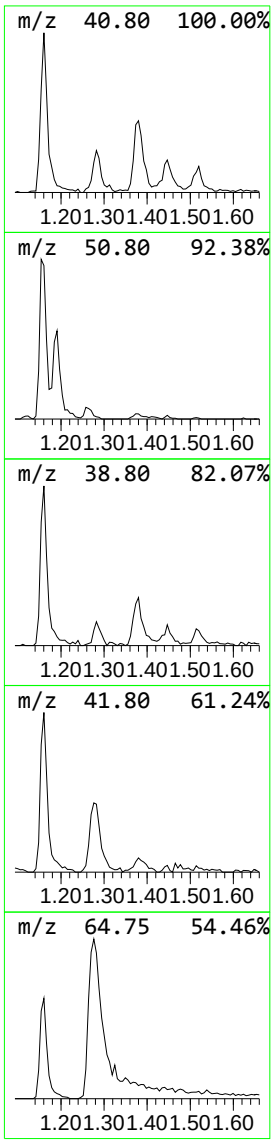
****

Peak Number 1 unknown1.160 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.160	10.95 ug/l	162943	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	35
2	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	25
3	Propiolonitrile	51	C3HN	001070-71-9	4
4	Cyclopropane	42	C3H6	000075-19-4	2
5	Cyclopropene	40	C3H4	002781-85-3	2





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

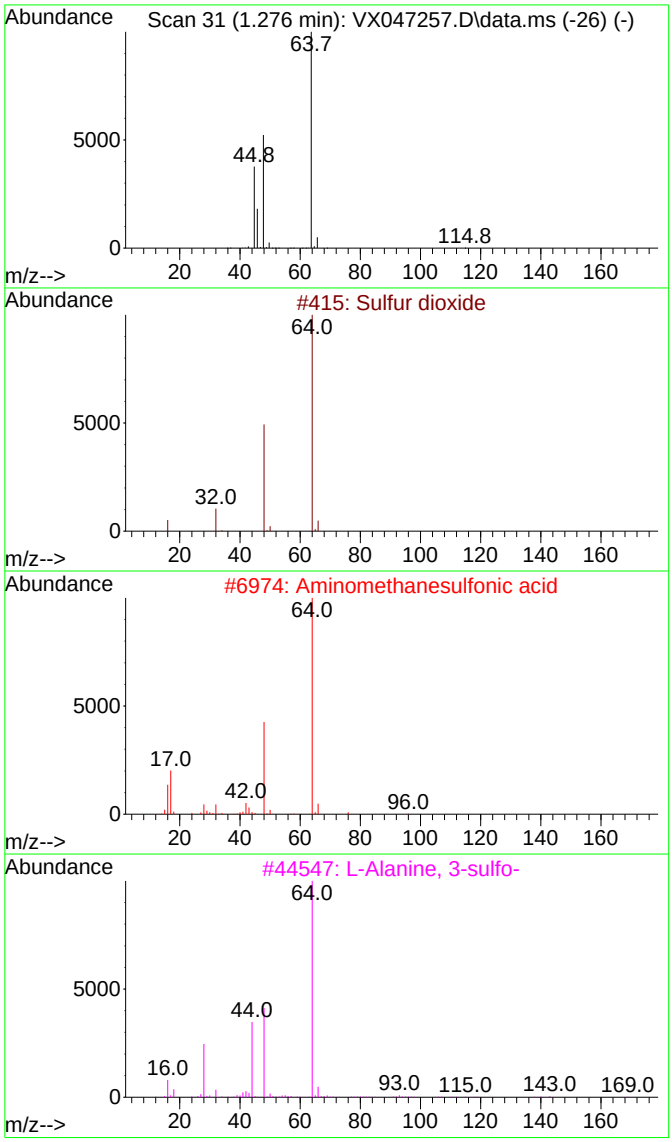
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

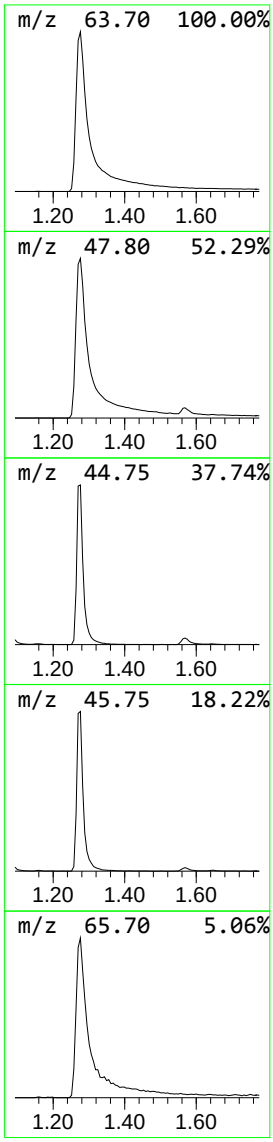
****

Peak Number 2 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.276	371.01 ug/l	5518460	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	78
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	7
5	Ethanol, 2-fluoro-	64	C2H5FO	000371-62-0	5





Sample Results: **VX047257.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

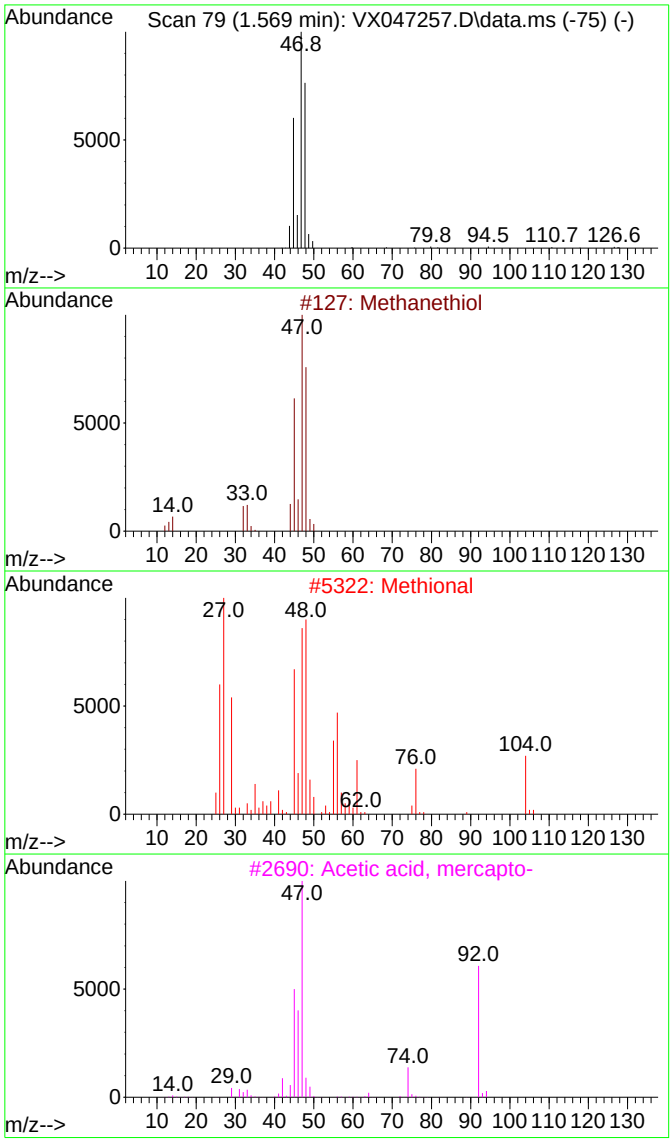
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

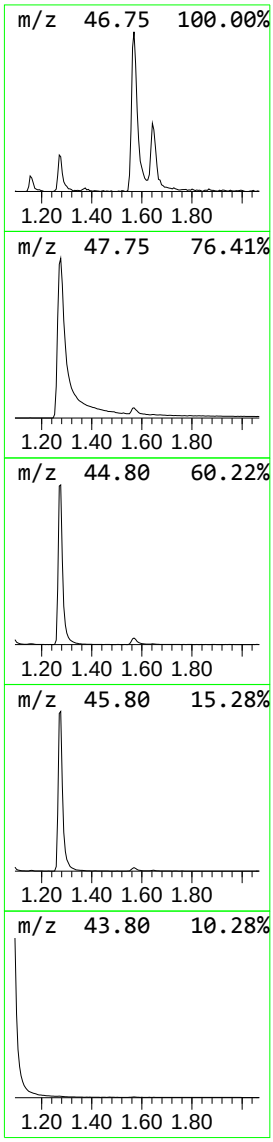
****

Peak Number 3 Methanethiol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.569	8.40 ug/l	124899	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	91
2	Methional	104	C4H8OS	003268-49-3	64
3	Acetic acid, mercapto-	92	C2H4O2S	000068-11-1	9
4	Methane, chloromethoxy-	80	C2H5ClO	000107-30-2	4
5	Ethanol	46	C2H6O	000064-17-5	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

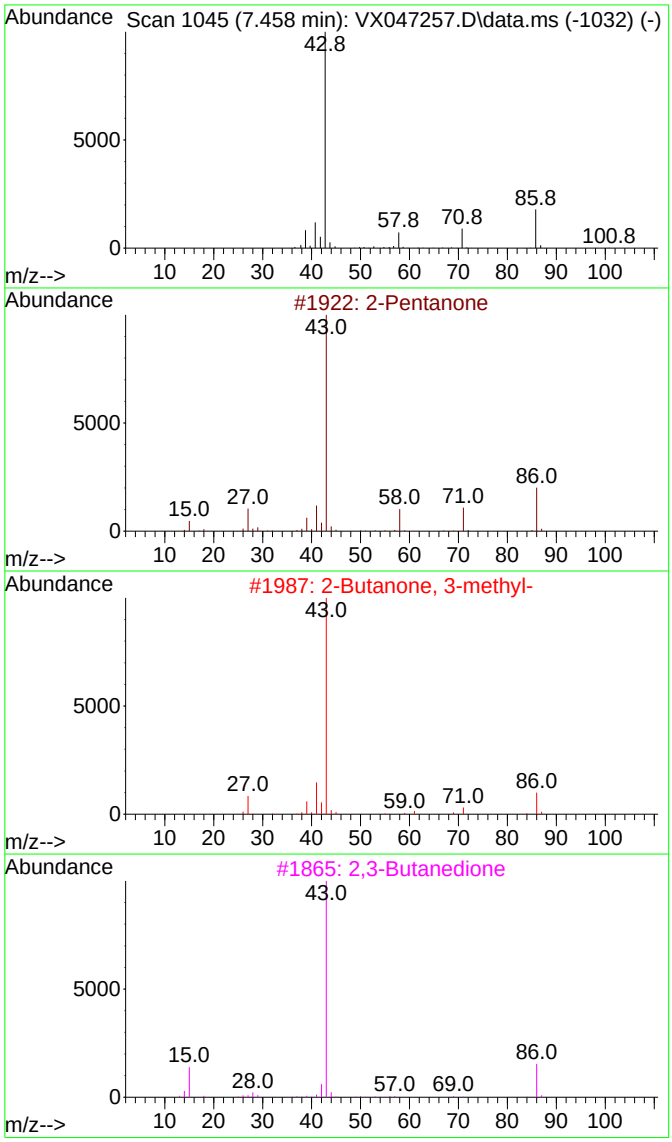
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

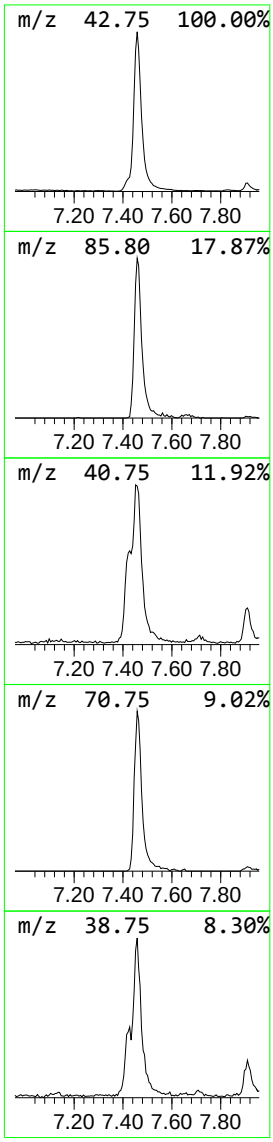
****

Peak Number 4 2-Pentanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.458	28.33 ug/l	555179	1,4-Difluorobenzene	6.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	90
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	64
3	2,3-Butanedione	86	C4H6O2	000431-03-8	47
4	3,3-Dimethyl-2,4-pentane dione	128	C7H12O2	003142-58-3	33
5	Ethanone, 1-oxiranyl-	86	C4H6O2	004401-11-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

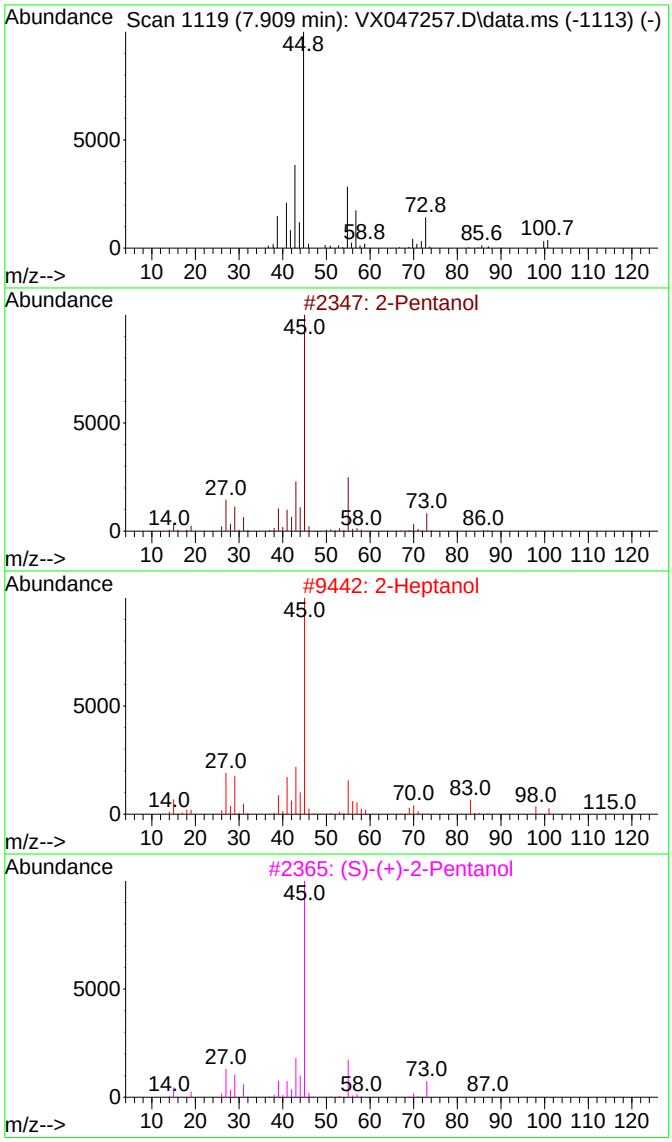
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

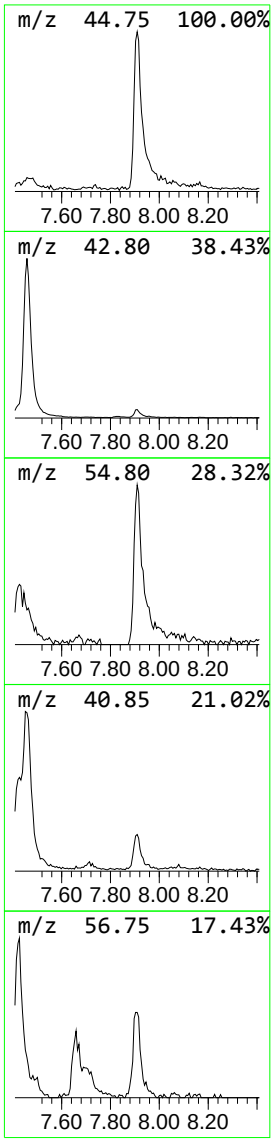
****

Peak Number 5 2-Pentanol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.909	5.07 ug/l	99346	1,4-Difluorobenzene	6.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol	88	C5H12O	006032-29-7	72
2	2-Heptanol	116	C7H16O	000543-49-7	45
3	(S)-(+)-2-Pentanol	88	C5H12O	026184-62-3	40
4	2-Hexanol, 5-methyl-	116	C7H16O	000627-59-8	39
5	Formic acid, 1-methylpropyl ester	102	C5H10O2	000589-40-2	39





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

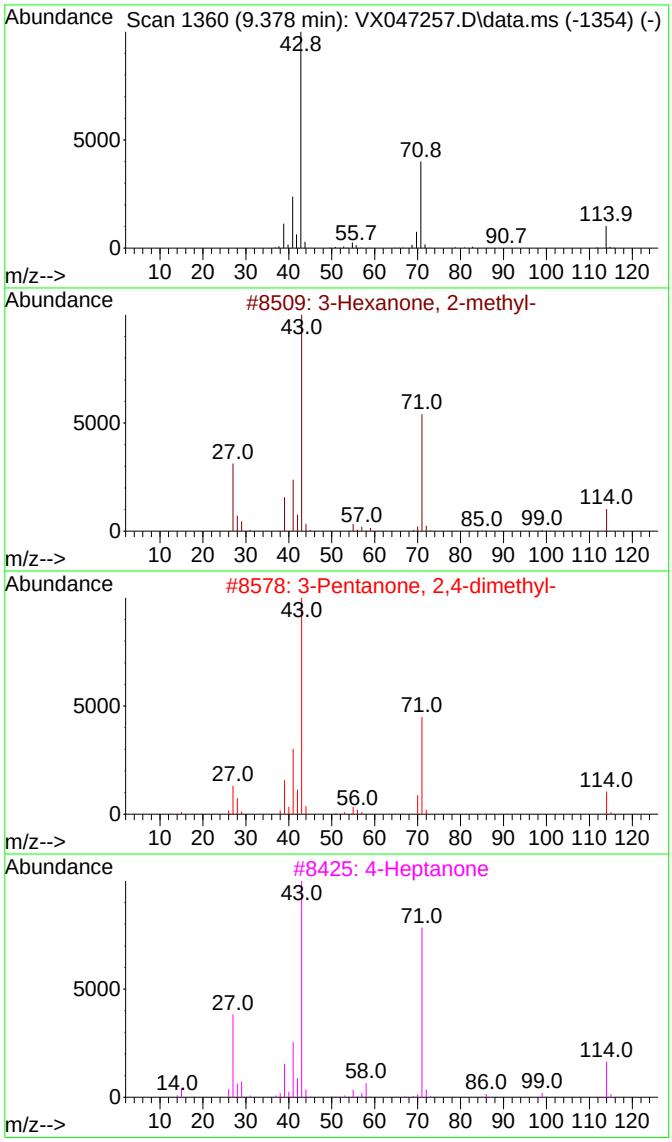
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

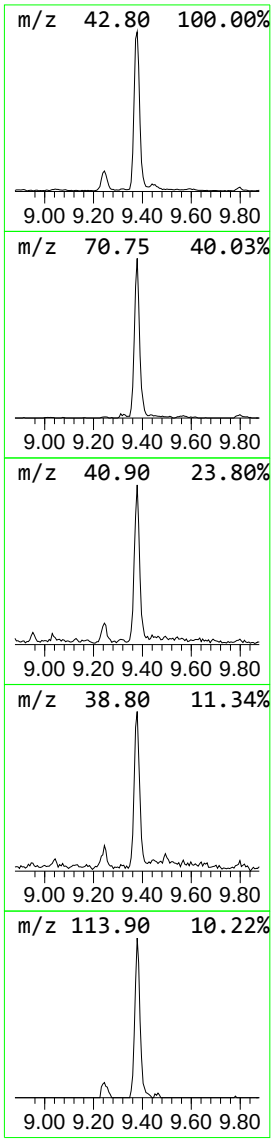
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 3-Hexanone, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.378	7.60 ug/l	195423	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	80
2	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	72
3	4-Heptanone	114	C7H14O	000123-19-3	53
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	45
5	2,3-Hexanedione	114	C6H10O2	003848-24-6	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

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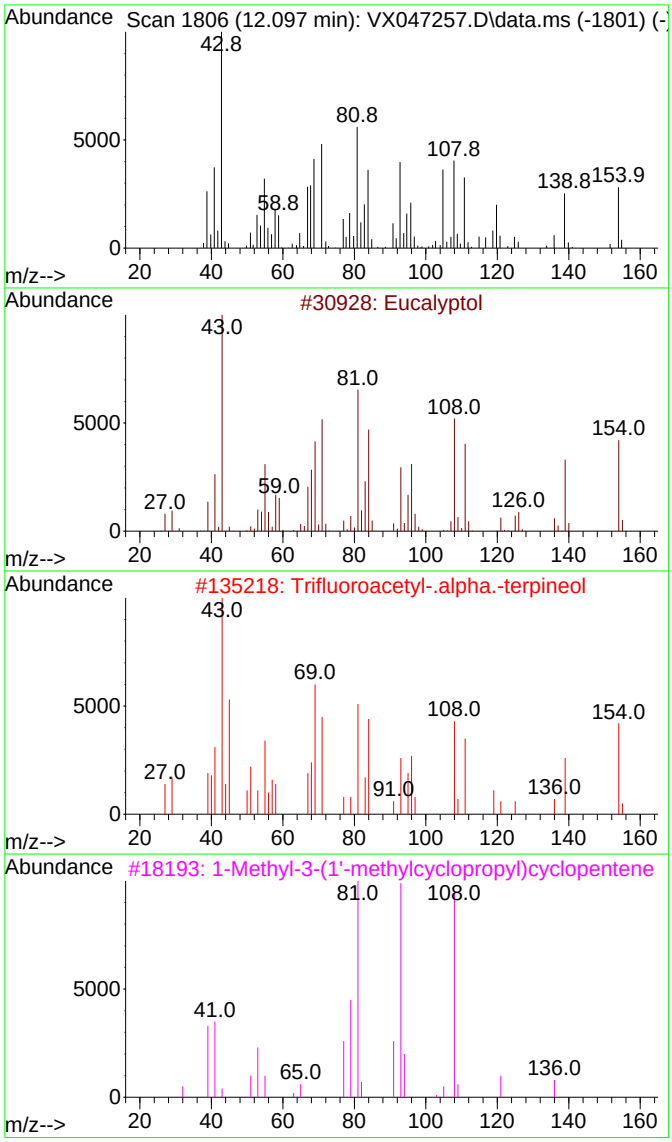
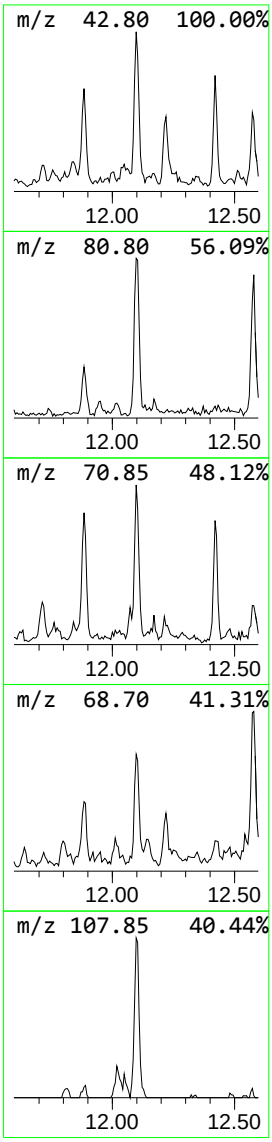
Peak Number 7 Eucalyptol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.097	5.78 ug/l	164353	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eucalyptol	154	C10H18O	000470-82-6	96
2	Trifluoroacetyl-.alpha.-terpineol	250	C12H17F3O2	1000058-17-6	64
3	1-Methyl-3-(1'-methylcyclopropyl...	136	C10H16	103240-53-5	35
4	3-Acetoxy-p-menthan-1-ol	214	C12H22O3	058315-86-9	25
5	4-Isopropyl-1-methylcyclohex-2-enol	154	C10H18O	000619-62-5	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

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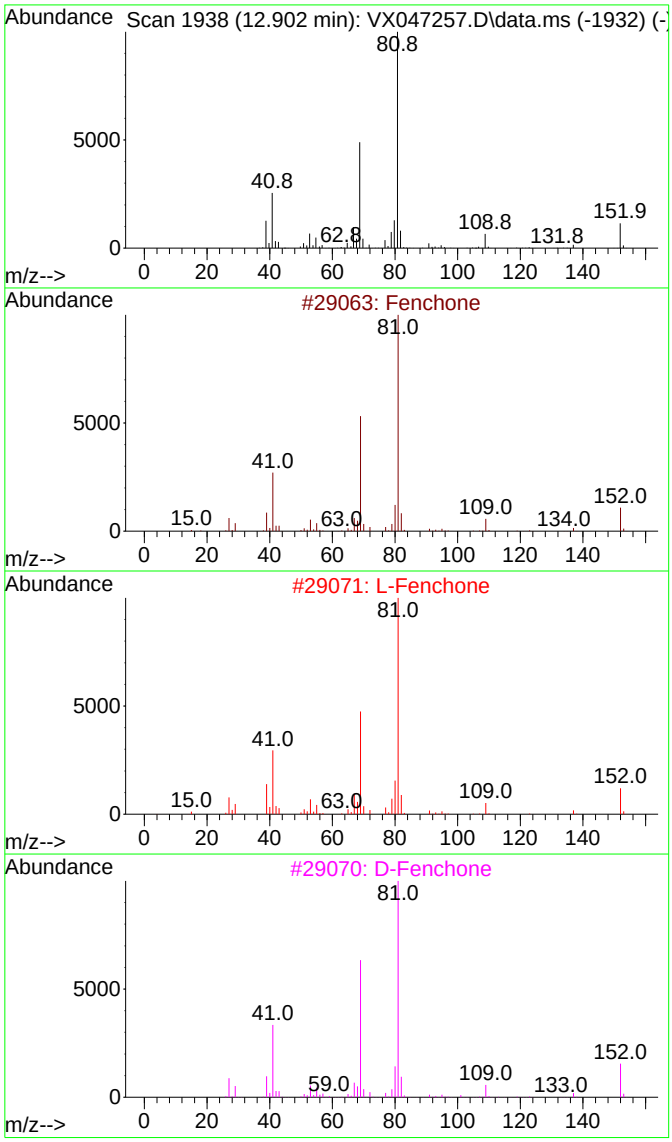
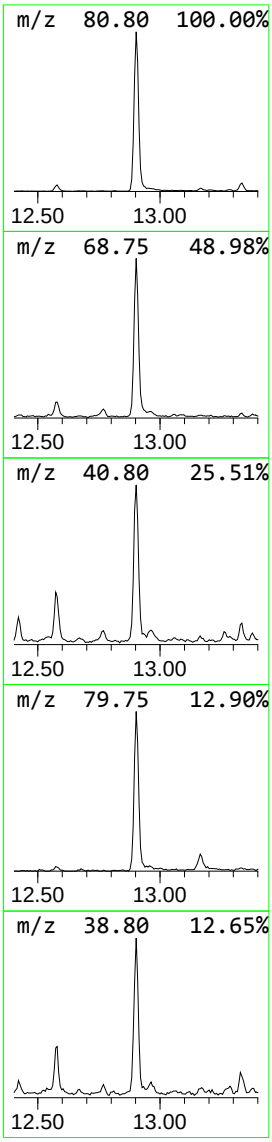
Peak Number 8 Fenchone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.902	19.22 ug/l	546905	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchone	152	C10H16O	001195-79-5	95
2	L-Fenchone	152	C10H16O	007787-20-4	94
3	D-Fenchone	152	C10H16O	004695-62-9	94
4	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	59
5	Ethanone, 1-(2-methyl-2-cyclopen...	124	C8H12O	001767-84-6	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

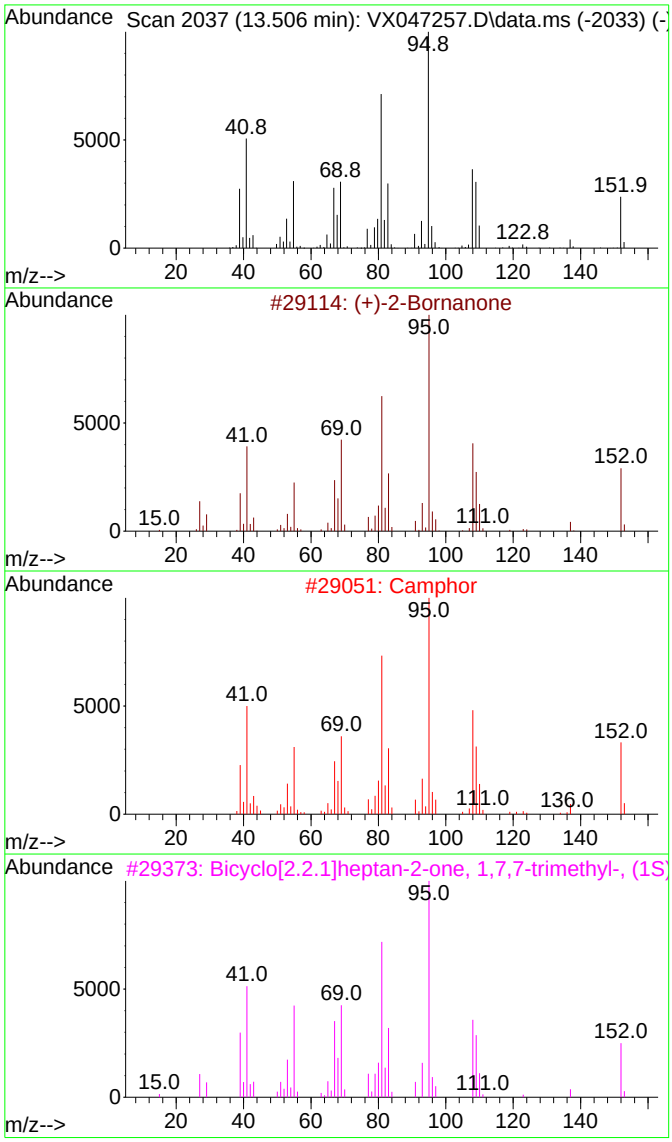
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

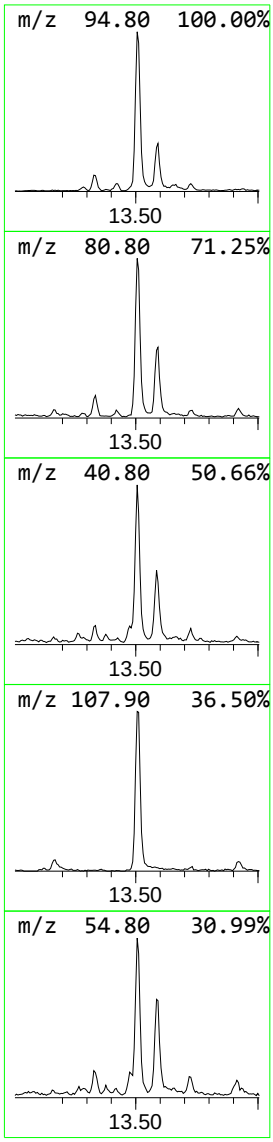
****

Peak Number 9 (+)-2-Bornanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.506	24.19 ug/l	688249	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	95
2	Camphor	152	C10H16O	000076-22-2	94
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	94
4	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	46
5	2-Furancarboxylic acid, 2-propen...	152	C8H8O3	004208-49-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

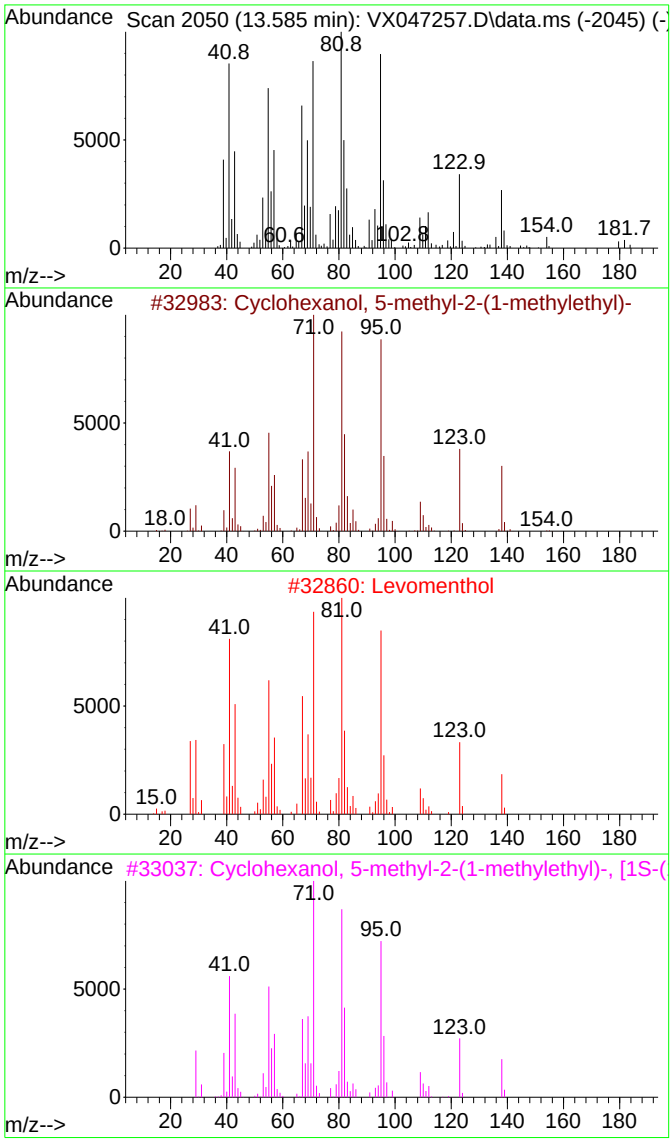
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

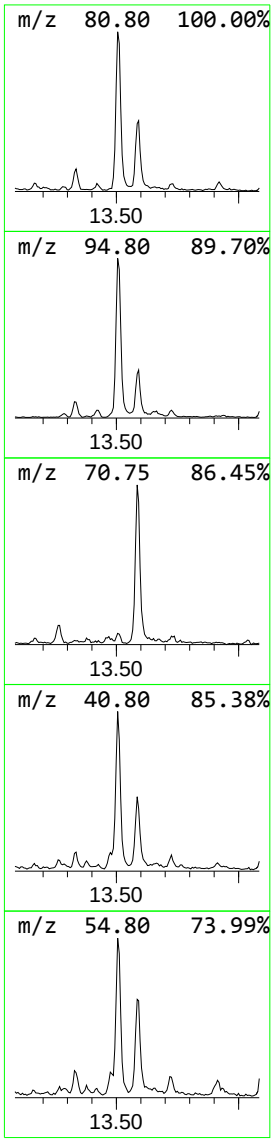
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexanol, 5-methyl-2-(1... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.585	14.62 ug/l	416055	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	001490-04-6	87
2	Levomenthol	156	C10H20O	002216-51-5	87
3	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	80
4	Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	70
5	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-27-2	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047257.D
Acq On : 07 Aug 2025 13:06
Operator : JC/MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.160	1.160	10.9	ug/l	162943	1	5.562	743699	50.0
Sulfur dioxide	1.276	371.0	ug/l	5518460	1	5.562	743699	50.0
Methanethiol	1.569	8.4	ug/l	124899	1	5.562	743699	50.0
2-Pentanone	7.458	28.3	ug/l	555179	2	6.769	979996	50.0
2-Pentanol	7.909	5.1	ug/l	99346	2	6.769	979996	50.0
3-Hexanone, 2-m...	9.378	7.6	ug/l	195423	3	10.055	1285650	50.0
Eucalyptol	12.097	5.8	ug/l	164353	4	12.018	1422510	50.0
Fenchone	12.902	19.2	ug/l	546905	4	12.018	1422510	50.0
(+)-2-Bornanone	13.506	24.2	ug/l	688249	4	12.018	1422510	50.0
Cyclohexanol, 5...	13.585	14.6	ug/l	416055	4	12.018	1422510	50.0

Raw Data: **VX047259.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806078-01 VOADL	SDG No.:	Q2790
Lab Sample ID:	Q2790-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047259.D	10	08/07/25 13:48	VX080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	UD	2.20	10.0	ug/L
74-87-3	Chloromethane	3.20	UD	3.20	10.0	ug/L
75-01-4	Vinyl Chloride	2.60	UD	2.60	10.0	ug/L
74-83-9	Bromomethane	14.4	UD	14.4	50.0	ug/L
75-00-3	Chloroethane	4.70	UD	4.70	10.0	ug/L
75-69-4	Trichlorofluoromethane	3.30	UD	3.30	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	2.50	10.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	UD	2.30	10.0	ug/L
67-64-1	Acetone	1100	D	15.1	50.0	ug/L
75-15-0	Carbon Disulfide	8.60	JD	2.10	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	1.60	UD	1.60	10.0	ug/L
79-20-9	Methyl Acetate	2.70	UD	2.70	10.0	ug/L
75-09-2	Methylene Chloride	2.80	UD	2.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	2.30	UD	2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	10.0	ug/L
110-82-7	Cyclohexane	14.5	UD	14.5	50.0	ug/L
78-93-3	2-Butanone	1300	D	9.80	50.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	2.50	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1.90	UD	1.90	10.0	ug/L
74-97-5	Bromochloromethane	2.20	UD	2.20	10.0	ug/L
67-66-3	Chloroform	2.50	UD	2.50	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	1.60	UD	1.60	10.0	ug/L
71-43-2	Benzene	3.00	JD	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	UD	2.20	10.0	ug/L
79-01-6	Trichloroethene	0.93	UD	0.93	10.0	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	2.00	10.0	ug/L
75-27-4	Bromodichloromethane	2.20	UD	2.20	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	9.70	JD	6.80	50.0	ug/L
108-88-3	Toluene	5.20	JD	1.40	10.0	ug/L

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806078-01 VOADL	SDG No.:	Q2790
Lab Sample ID:	Q2790-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047259.D	10	08/07/25 13:48	VX080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.70	UD	1.70	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.60	UD	1.60	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	10.0	ug/L
591-78-6	2-Hexanone	8.90	UD	8.90	50.0	ug/L
124-48-1	Dibromochloromethane	1.80	UD	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	1.50	UD	1.50	10.0	ug/L
127-18-4	Tetrachloroethene	2.30	UD	2.30	10.0	ug/L
108-90-7	Chlorobenzene	1.20	UD	1.20	10.0	ug/L
100-41-4	Ethyl Benzene	6.50	JD	1.30	10.0	ug/L
179601-23-1	m/p-Xylenes	5.70	JD	2.40	20.0	ug/L
95-47-6	o-Xylene	3.50	JD	1.20	10.0	ug/L
100-42-5	Styrene	1.50	UD	1.50	10.0	ug/L
75-25-2	Bromoform	1.90	UD	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	1.20	UD	1.20	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.60	UD	2.60	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	1.60	UD	1.60	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	1.90	UD	1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	1.60	UD	1.60	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.30	UD	5.30	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	2.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.00	UD	2.00	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		74 - 125	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	317000	5.562			
540-36-3	1,4-Difluorobenzene	603000	6.769			
3114-55-4	Chlorobenzene-d5	548000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	268000	12.018			

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806078-01 VOADL	SDG No.:	Q2790
Lab Sample ID:	Q2790-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047259.D	10	08/07/25 13:48	VX080725

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\VX080725\
Data File : VX047259.D
Acq On : 07 Aug 2025 13:48
Operator : JC/MD
Sample : Q2790-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Quant Time: Aug 08 02:44:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

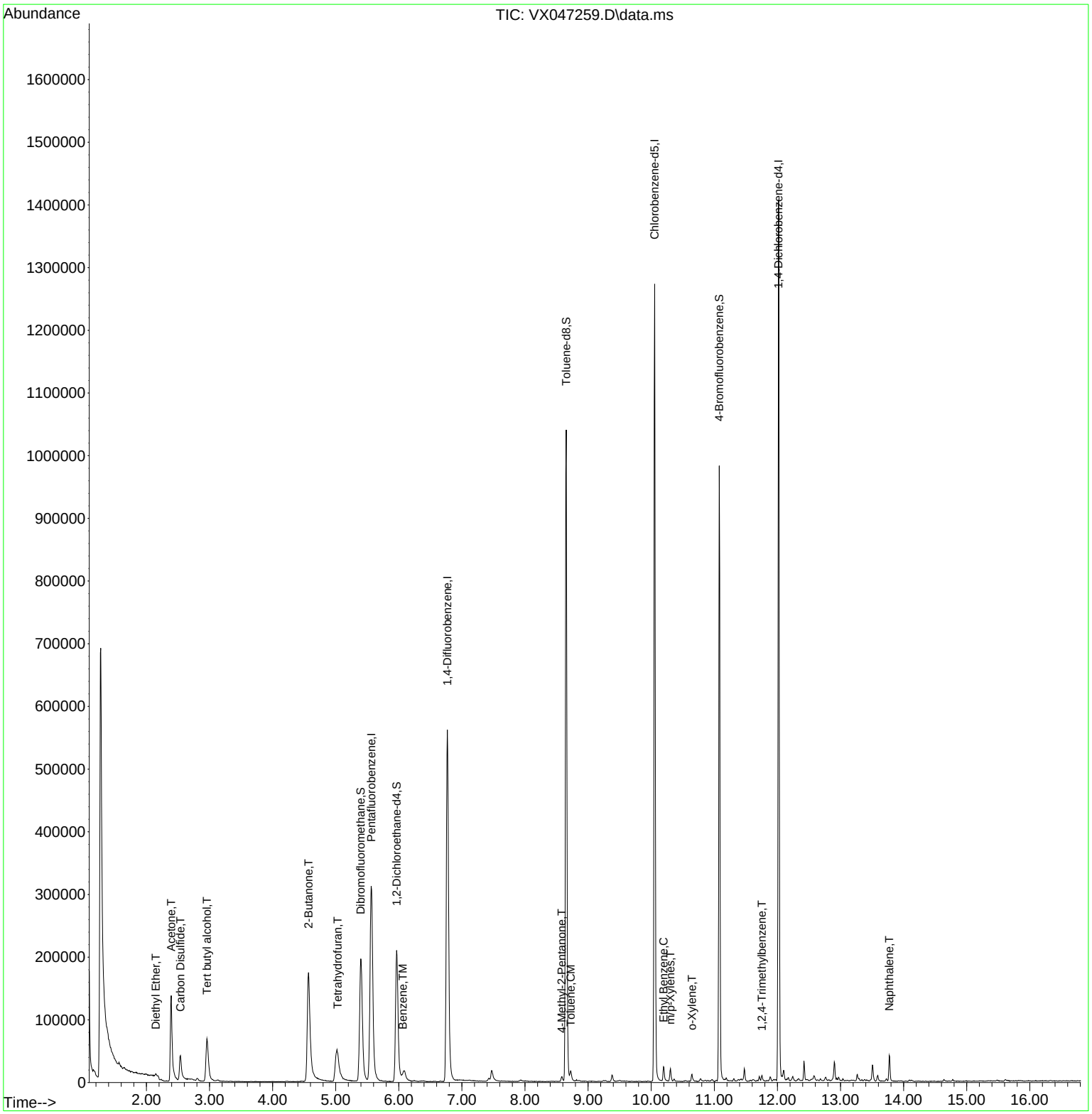
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	317352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	603039	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	548202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	268161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	218824	55.354	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.700%			
35) Dibromofluoromethane	5.397	113	187111	50.253	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.500%			
50) Toluene-d8	8.653	98	620910	51.493	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.980%			
62) 4-Bromofluorobenzene	11.079	95	263814	50.769	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.540%			
Target Compounds						Qvalue
8) Diethyl Ether	2.148	74	1374	0.583	ug/l	71
11) Tert butyl alcohol	2.958	59	77279	163.673	ug/l	95
16) Acetone	2.391	43	180504	113.979	ug/l	96
17) Carbon Disulfide	2.538	76	9926	0.860	ug/l	98
25) 2-Butanone	4.568	43	307676	133.427	ug/l	97
29) Tetrahydrofuran	5.031	42	38426	25.827	ug/l	98
40) Benzene	6.062	78	5456	0.297	ug/l	93
51) 4-Methyl-2-Pentanone	8.579	43	5278	0.974	ug/l	94
52) Toluene	8.726	92	5917	0.524	ug/l	100
67) Ethyl Benzene	10.195	91	14517	0.647	ug/l	97
68) m/p-Xylenes	10.305	106	4795	0.571	ug/l	100
69) o-Xylene	10.646	106	2765	0.346	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	3970	0.228	ug/l	89
95) Naphthalene	13.774	128	27252	1.527	ug/l	99

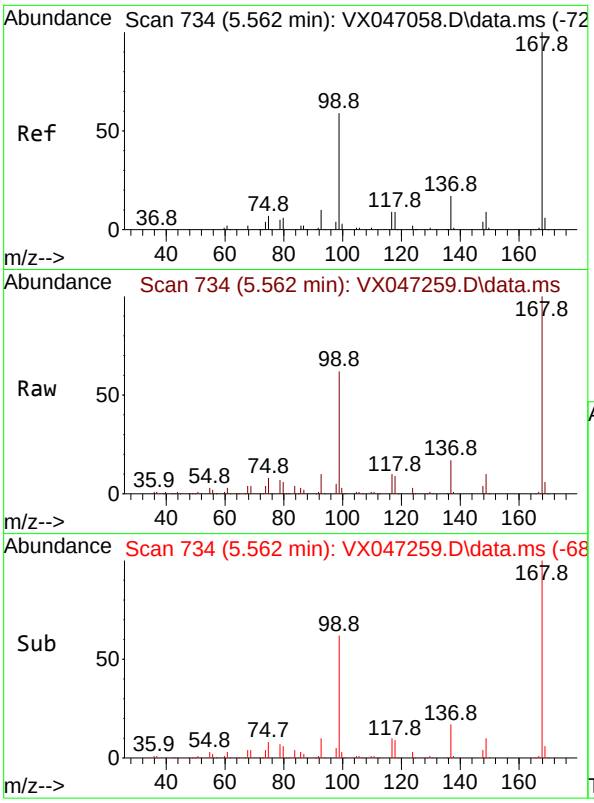
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047259.D
Acq On : 07 Aug 2025 13:48
Operator : JC/MD
Sample : Q2790-01DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Quant Time: Aug 08 02:44:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



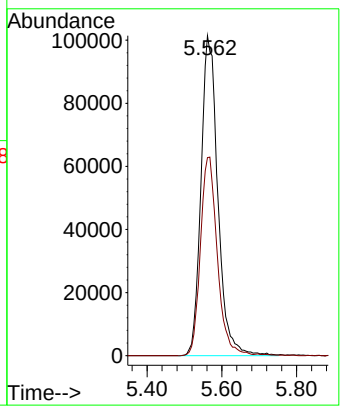


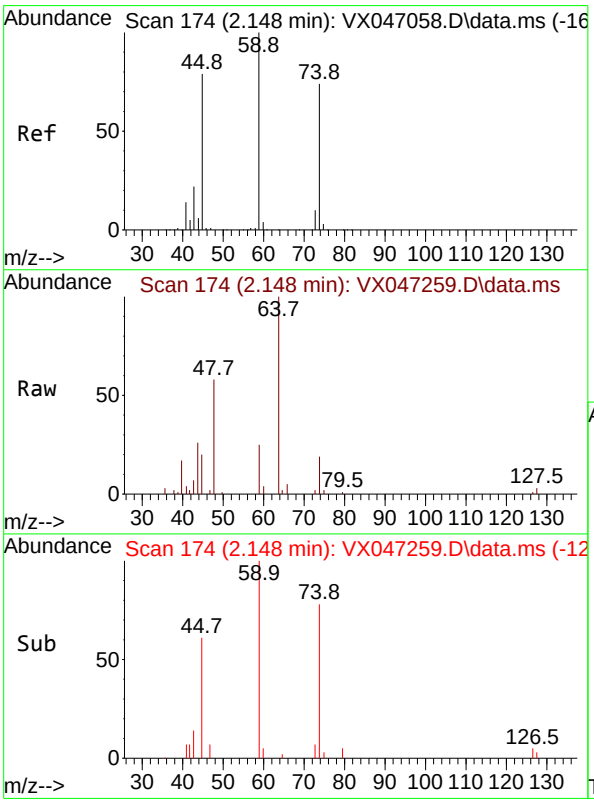
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion:168 Resp: 317352

Ion	Ratio	Lower	Upper
168	100		
99	61.9	48.0	72.0

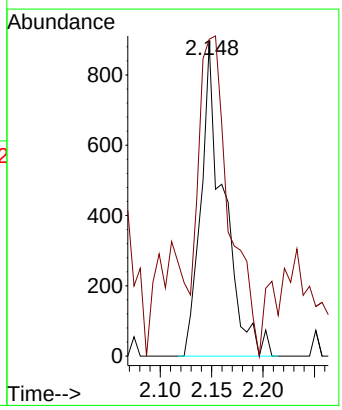


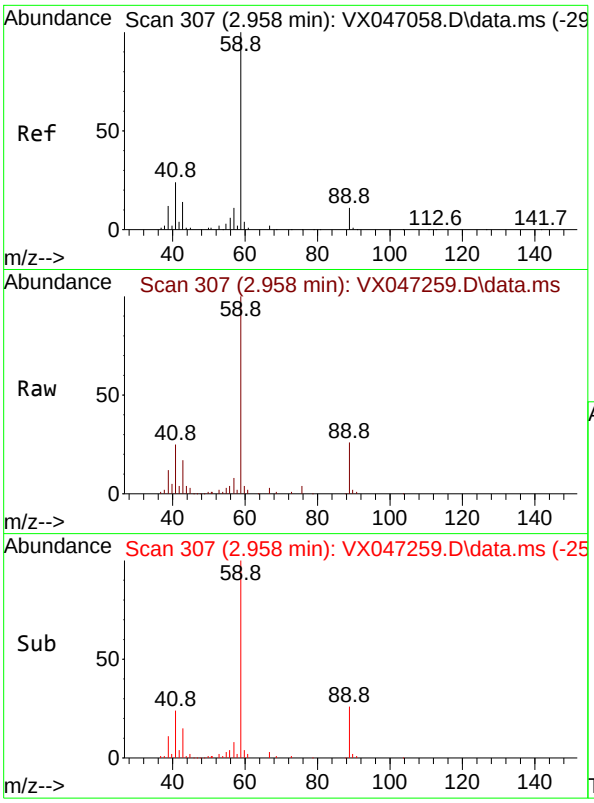


#8
Diethyl Ether
Concen: 0.583 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion: 74 Resp: 1374

Ion	Ratio	Lower	Upper
74	100		
45	136.2	53.0	159.0



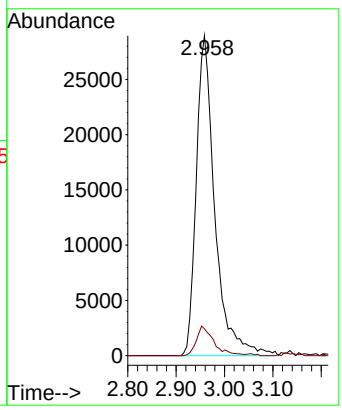


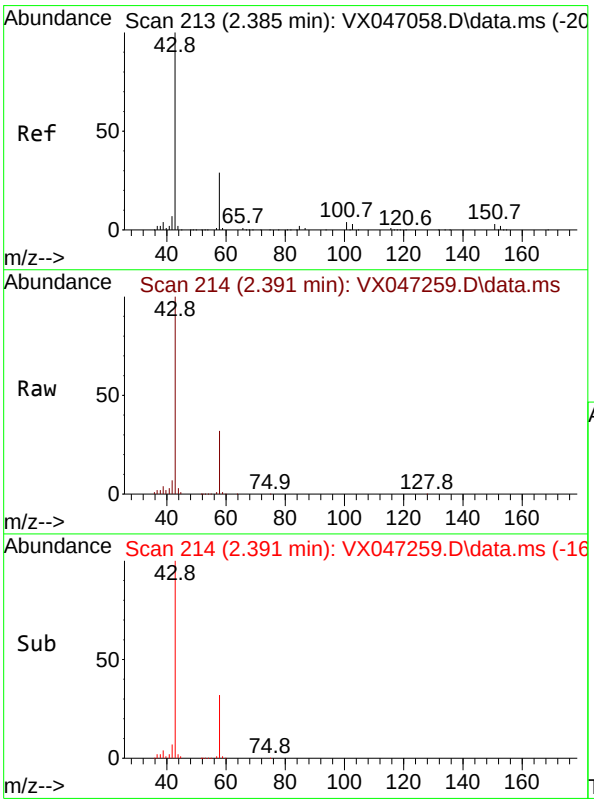
#11
Tert butyl alcohol
Concen: 163.673 ug/l
RT: 2.958 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion: 59 Resp: 77279

Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.5	12.7

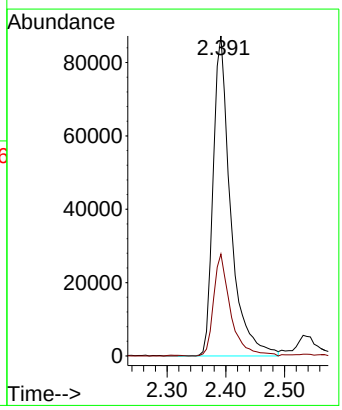


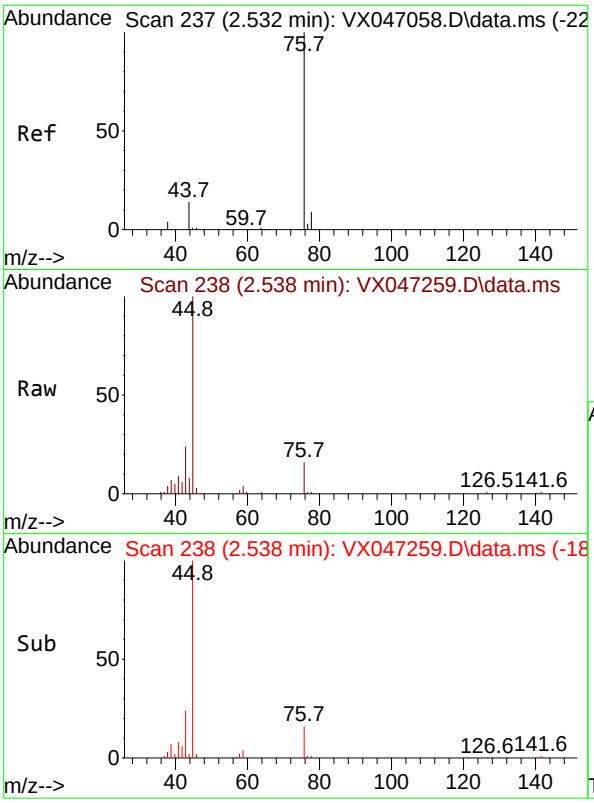


#16
Acetone
Concen: 113.979 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion: 43 Resp: 180504

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.0	36.0



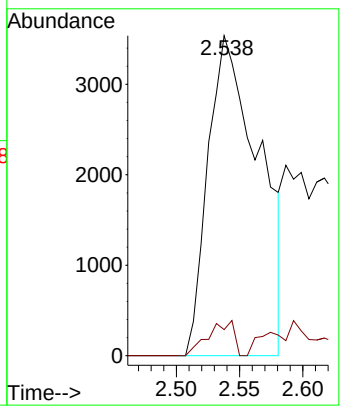


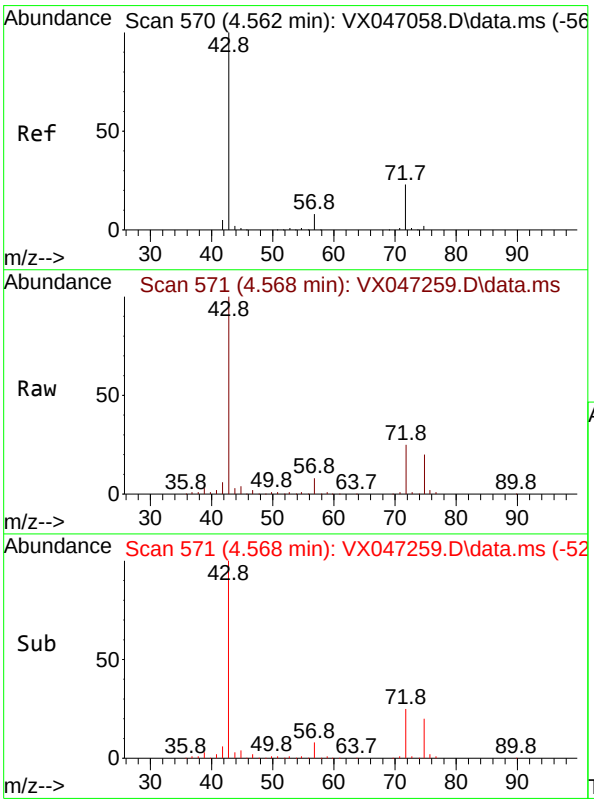
#17
Carbon Disulfide
Concen: 0.860 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion: 76 Resp: 9926

Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.0	10.4

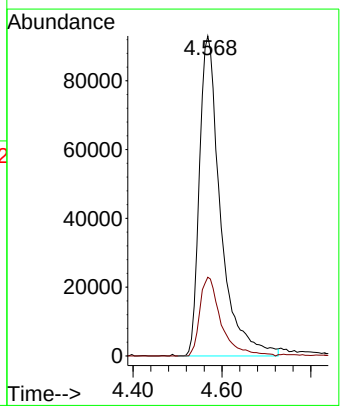


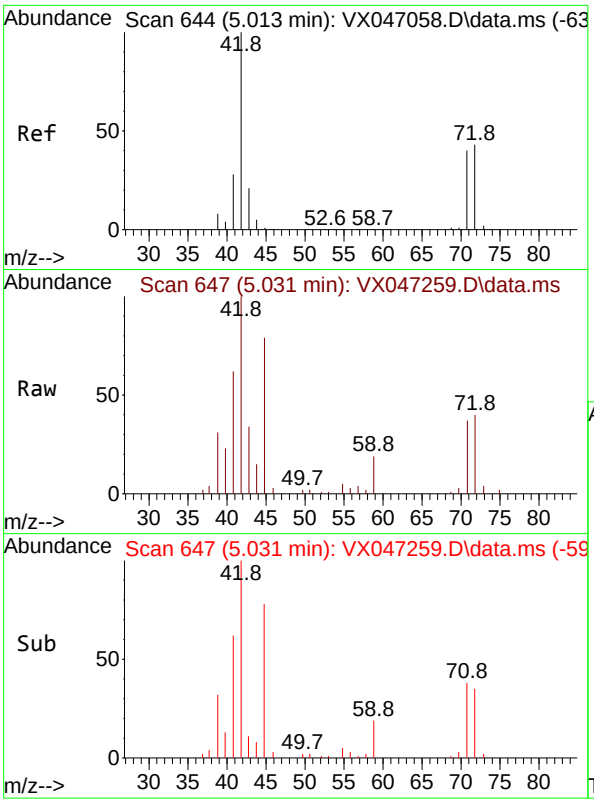


#25
2-Butanone
Concen: 133.427 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion: 43 Resp: 307676

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.8	28.2



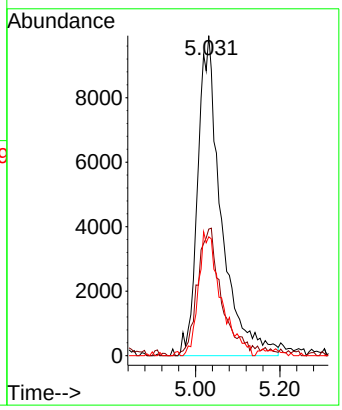


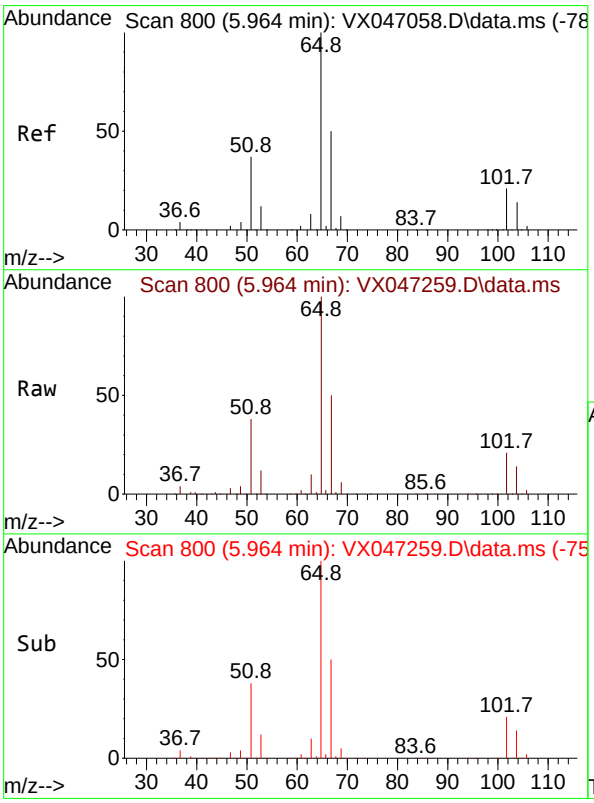
#29
Tetrahydrofuran
Concen: 25.827 ug/l
RT: 5.031 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion: 42 Resp: 38426

Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.7	50.5
71	37.0	31.0	46.4

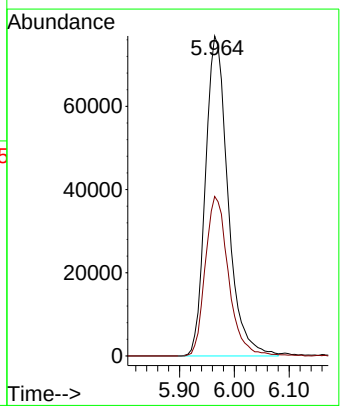


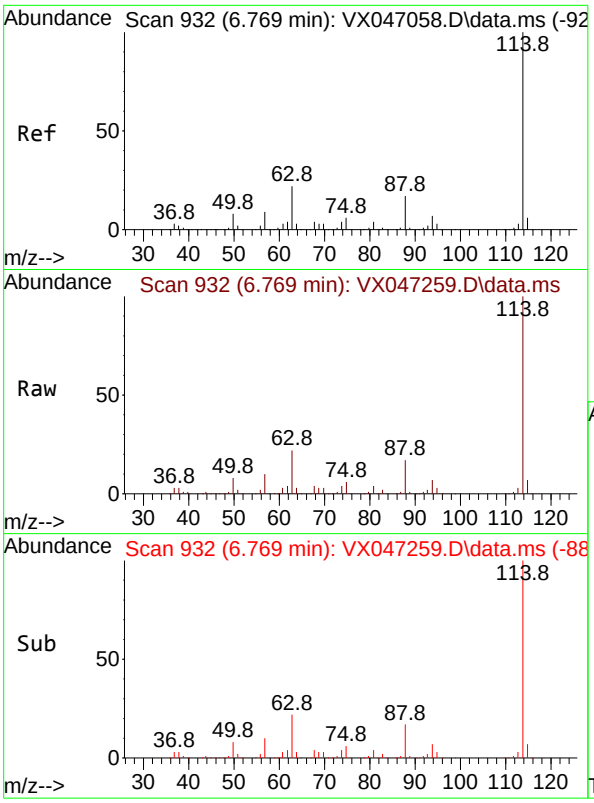


#33
1,2-Dichloroethane-d4
Concen: 55.354 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion: 65 Resp: 218824

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8



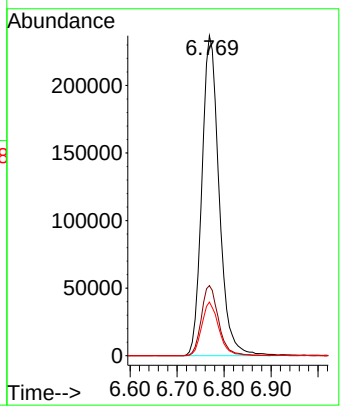


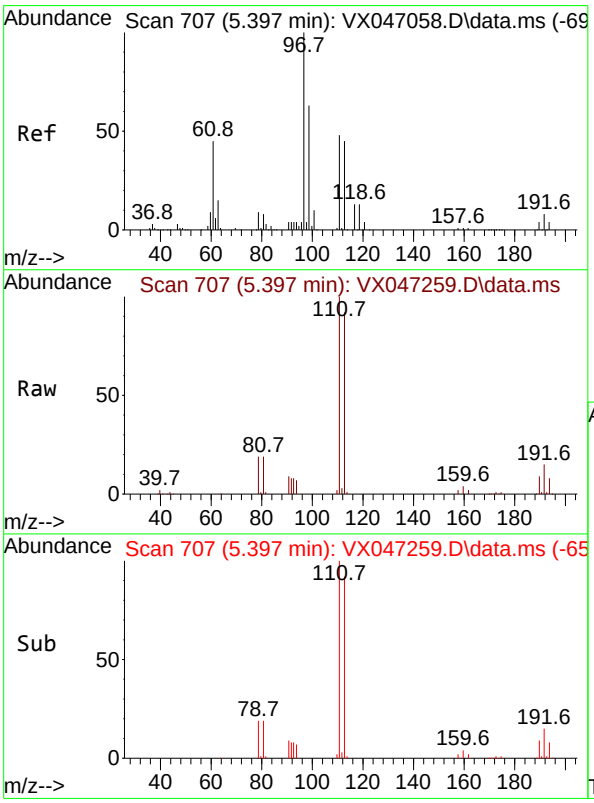
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion:114 Resp: 603039

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	16.8	0.0	33.8

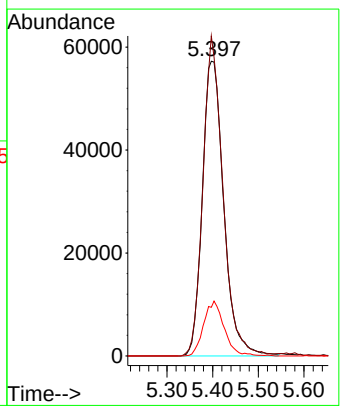


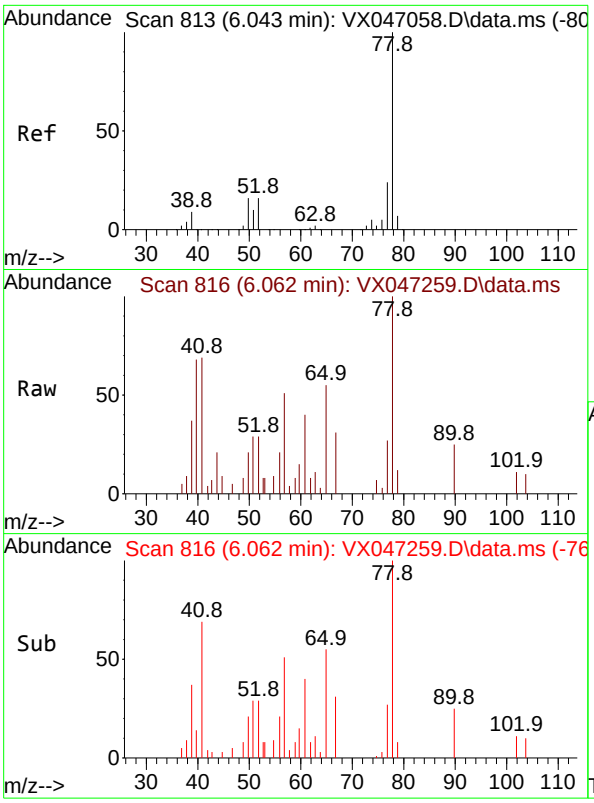


#35
Dibromofluoromethane
Concen: 50.253 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion:113 Resp: 187111

Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	124.0
192	17.8	14.9	22.3



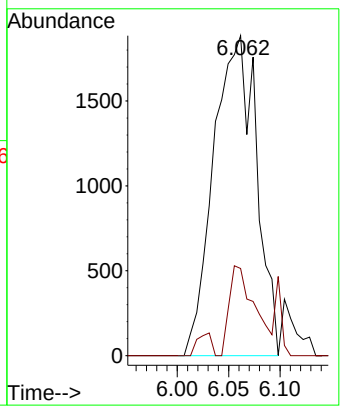


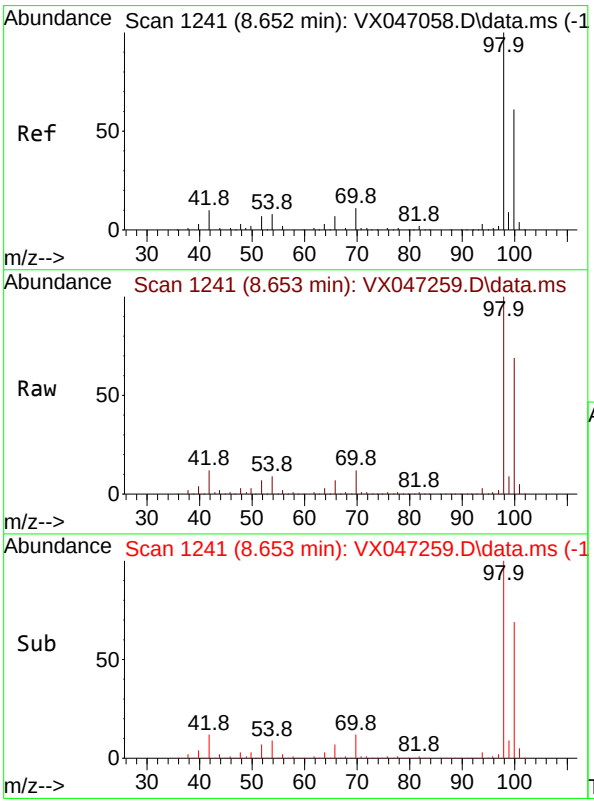
#40
Benzene
Concen: 0.297 ug/l
RT: 6.062 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion: 78 Resp: 5456

Ion	Ratio	Lower	Upper
78	100		
77	27.2	19.0	28.4

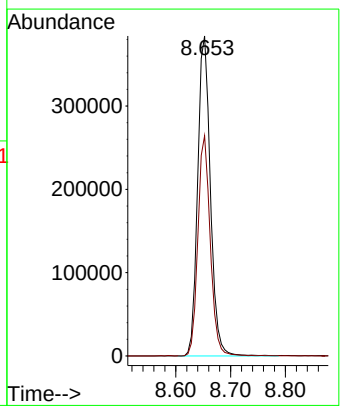


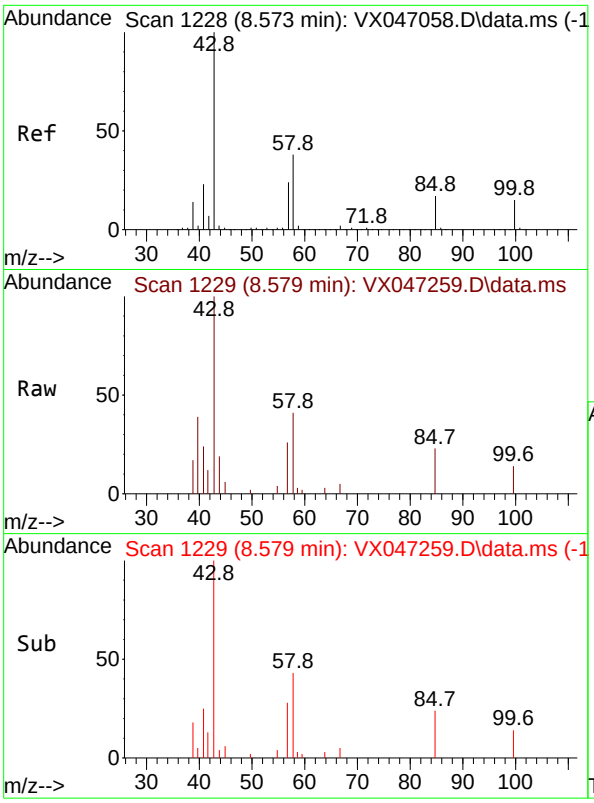


#50
Toluene-d8
Concen: 51.493 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion: 98 Resp: 620910

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9



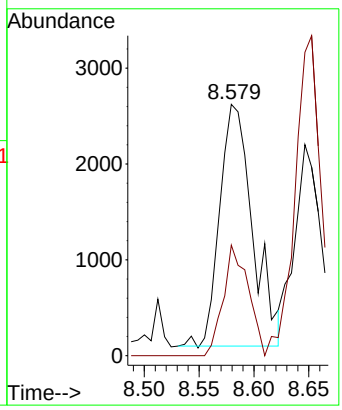


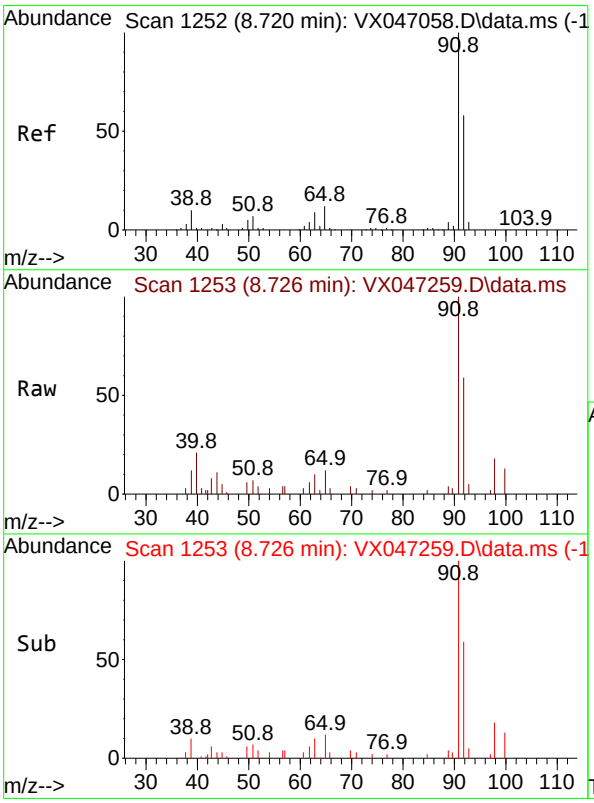
#51
4-Methyl-2-Pentanone
Concen: 0.974 ug/l
RT: 8.579 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion: 43 Resp: 5278

Ion	Ratio	Lower	Upper
43	100		
58	34.6	30.6	45.8

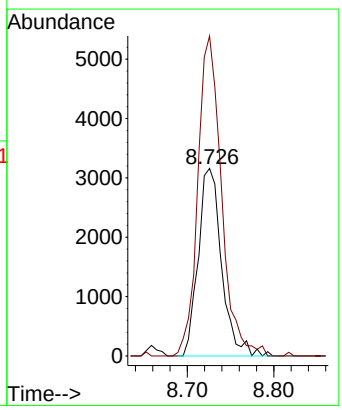


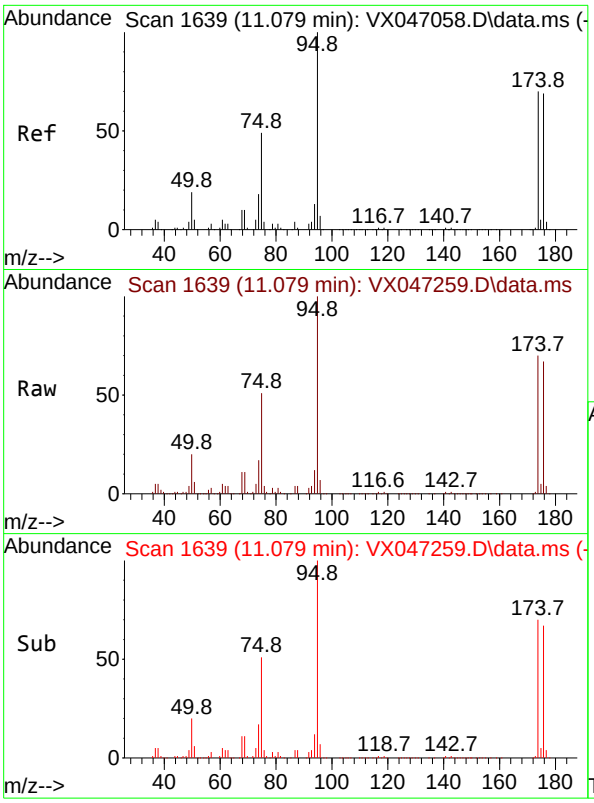


#52
Toluene
Concen: 0.524 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion: 92 Resp: 5917

Ion	Ratio	Lower	Upper
92	100		
91	172.9	137.9	206.9



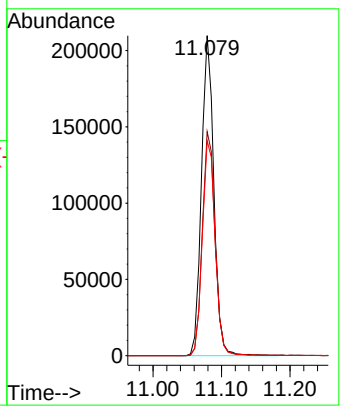


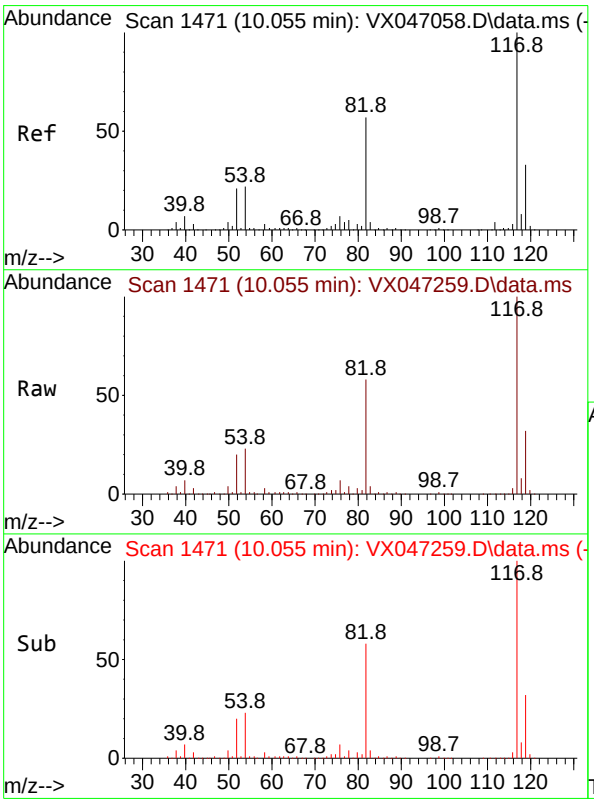
#62
4-Bromofluorobenzene
Concen: 50.769 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion: 95 Resp: 263814

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	144.6
176	70.0	0.0	139.6

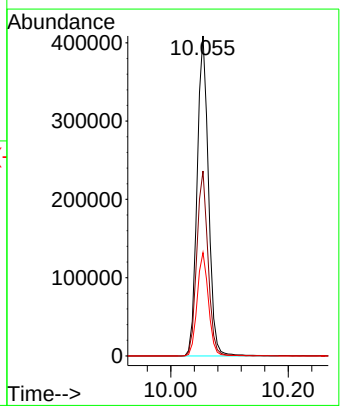


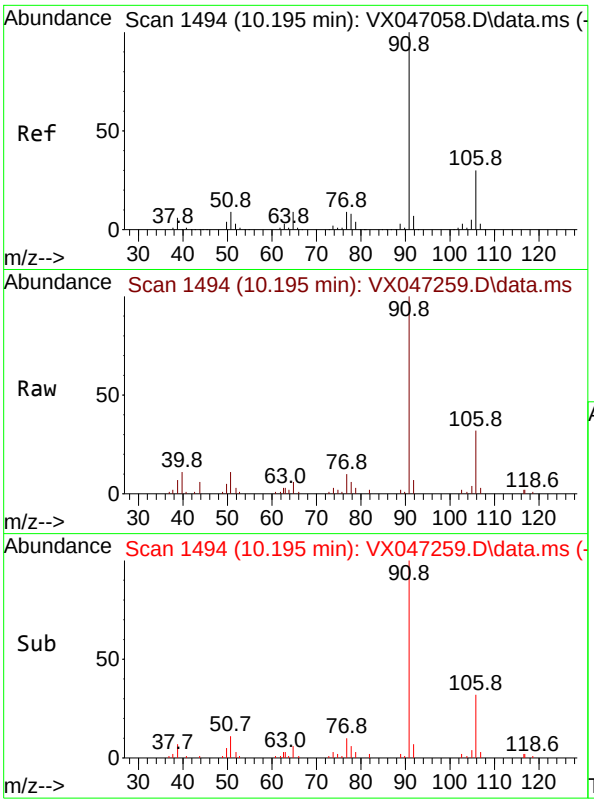


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion:117 Resp: 548202

Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.4	68.2
119	32.3	26.1	39.1



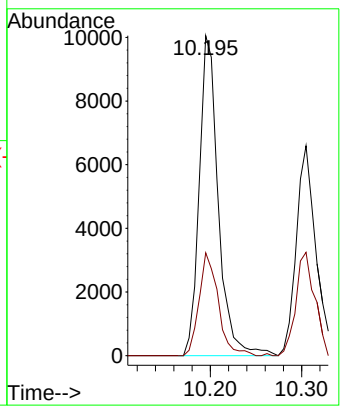


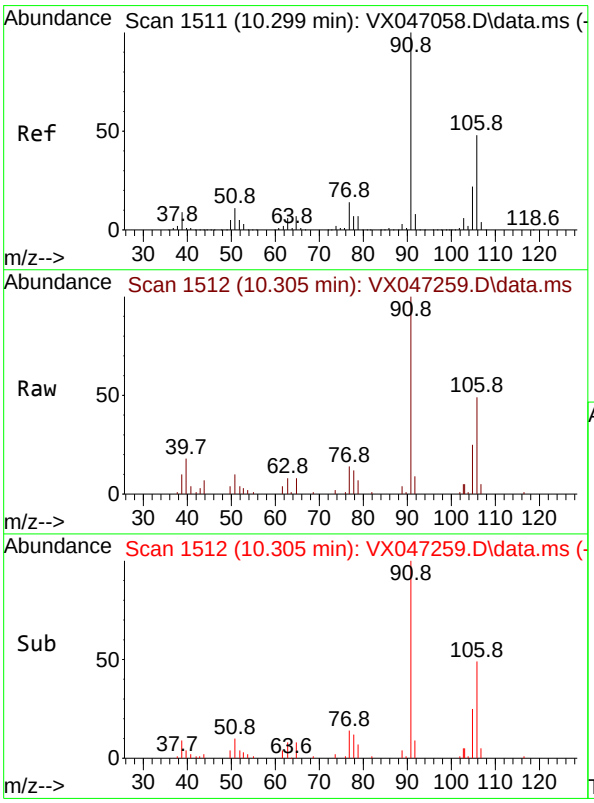
#67
Ethyl Benzene
Concen: 0.647 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion: 91 Resp: 14517

Ion	Ratio	Lower	Upper
91	100		
106	32.1	24.2	36.4

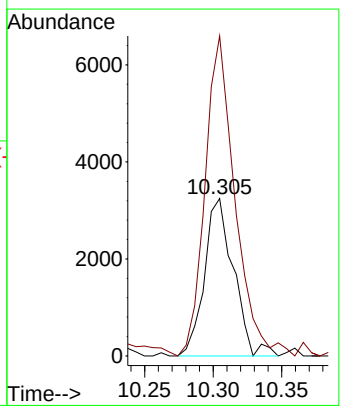


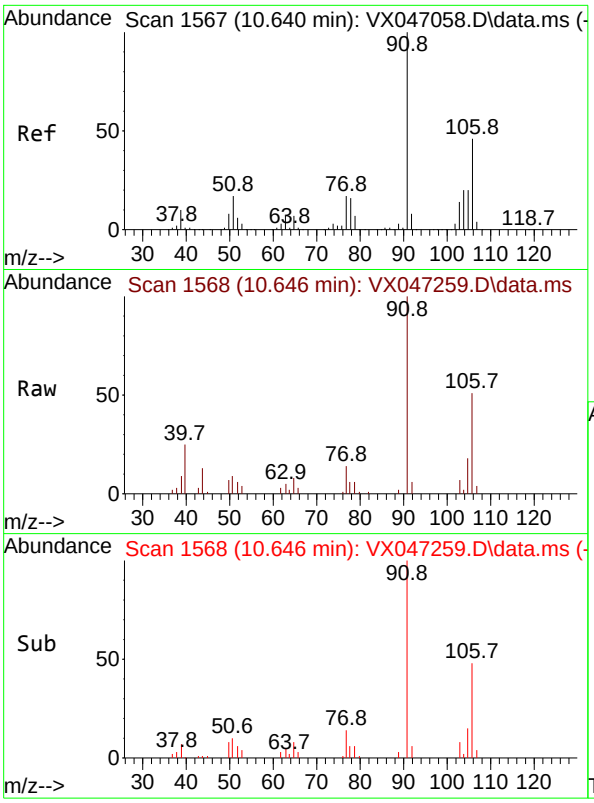


#68
m/p-Xylenes
Concen: 0.571 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion:106 Resp: 4795

Ion	Ratio	Lower	Upper
106	100		
91	208.7	167.4	251.0



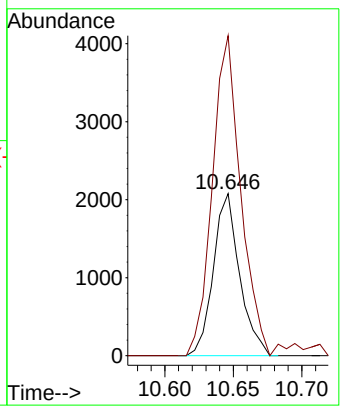


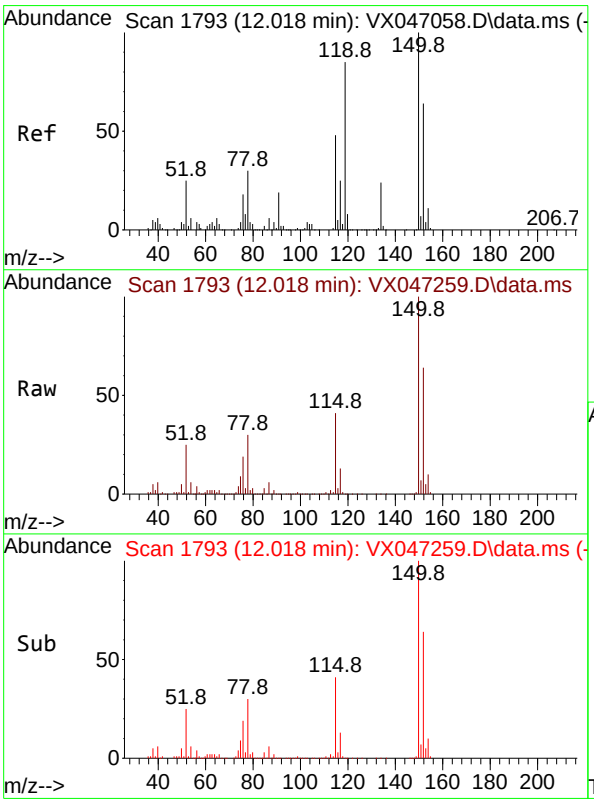
#69
o-Xylene
Concen: 0.346 ug/l
RT: 10.646 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion:106 Resp: 2765

Ion	Ratio	Lower	Upper
106	100		
91	216.1	110.3	331.0

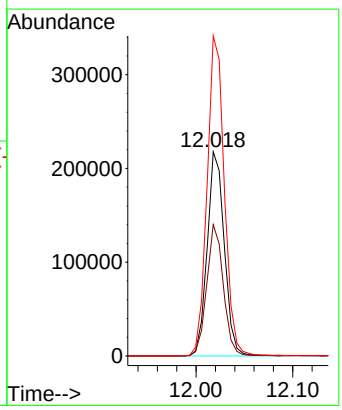


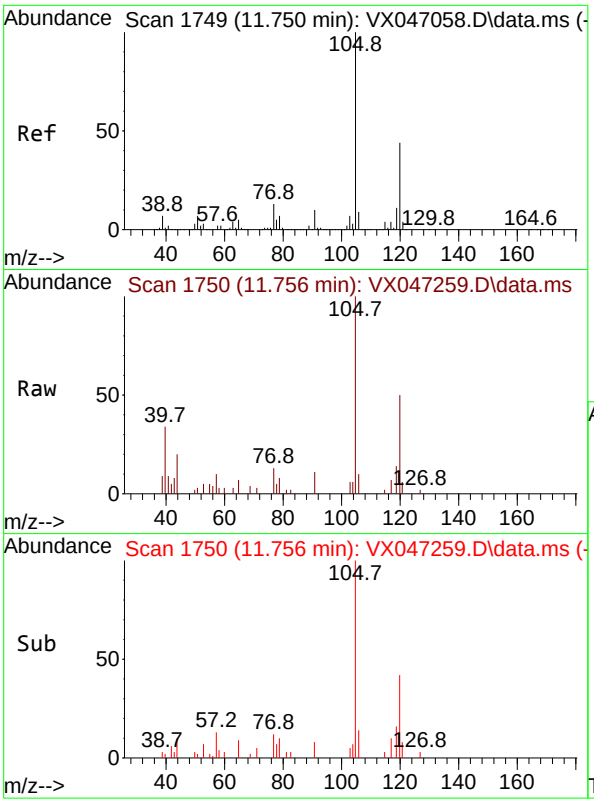


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion:152 Resp: 268161

Ion	Ratio	Lower	Upper
152	100		
115	62.8	45.6	136.7
150	158.3	0.0	354.6



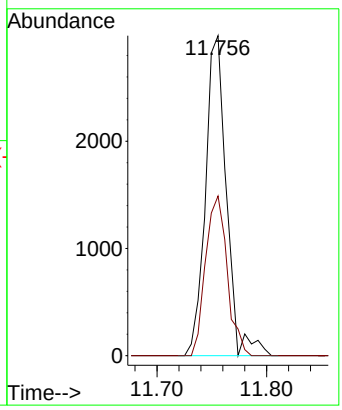


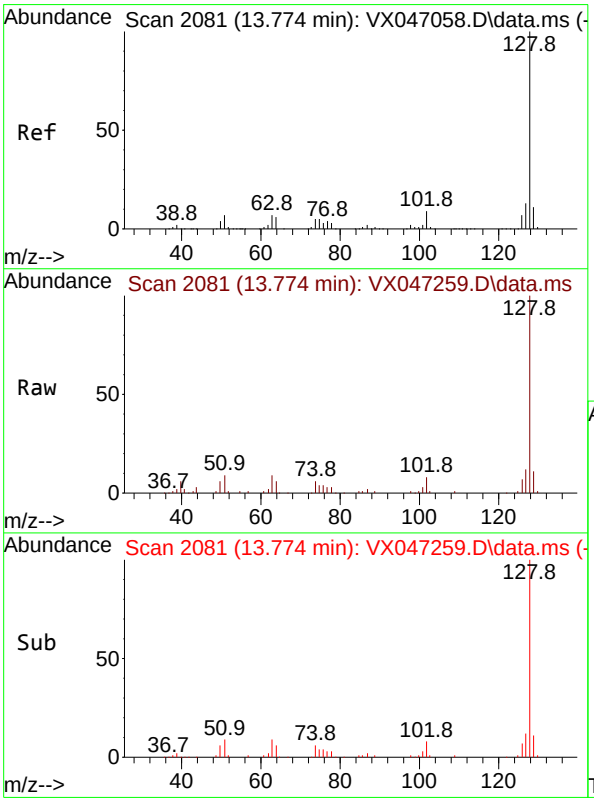
#84
1,2,4-Trimethylbenzene
Concen: 0.228 ug/l
RT: 11.756 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
250806078-01 VOADL

Tgt Ion:105 Resp: 3970

Ion	Ratio	Lower	Upper
105	100		
120	51.4	22.0	66.0

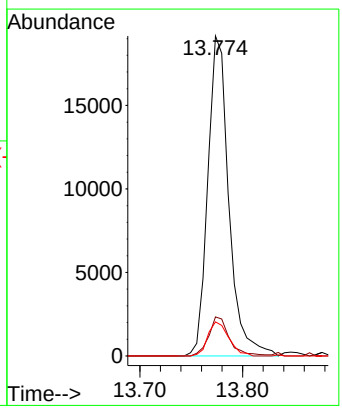




#95
Naphthalene
Concen: 1.527 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX047259.D
Acq: 07 Aug 2025 13:48

Tgt Ion:128 Resp: 27252

Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.1	15.1
129	10.6	8.6	13.0



Raw Data: **VX047256.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806062-03 Trip blank	SDG No.:	Q2790
Lab Sample ID:	Q2790-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047256.D	1	08/07/25 12:45	VX080725

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

Raw Data: **VX047256.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806062-03 Trip blank	SDG No.:	Q2790
Lab Sample ID:	Q2790-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047256.D	1	08/07/25 12:45	VX080725

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	44.1		74 - 125	88%	SPK: 50
1868-53-7	Dibromofluoromethane	44.8		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	40.1	*	86 - 113	80%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.5		77 - 121	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	5.562			
540-36-3	1,4-Difluorobenzene	464000	6.769			
3114-55-4	Chlorobenzene-d5	425000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	221000	12.018			

Raw Data: **VX047256.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806062-03 Trip blank	SDG No.:	Q2790
Lab Sample ID:	Q2790-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047256.D	1	08/07/25 12:45	VX080725

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

Sample Results: **VX047256.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047256.D
Acq On : 07 Aug 2025 12:45
Operator : JC/MD
Sample : Q2790-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

Quant Time: Aug 08 02:42:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

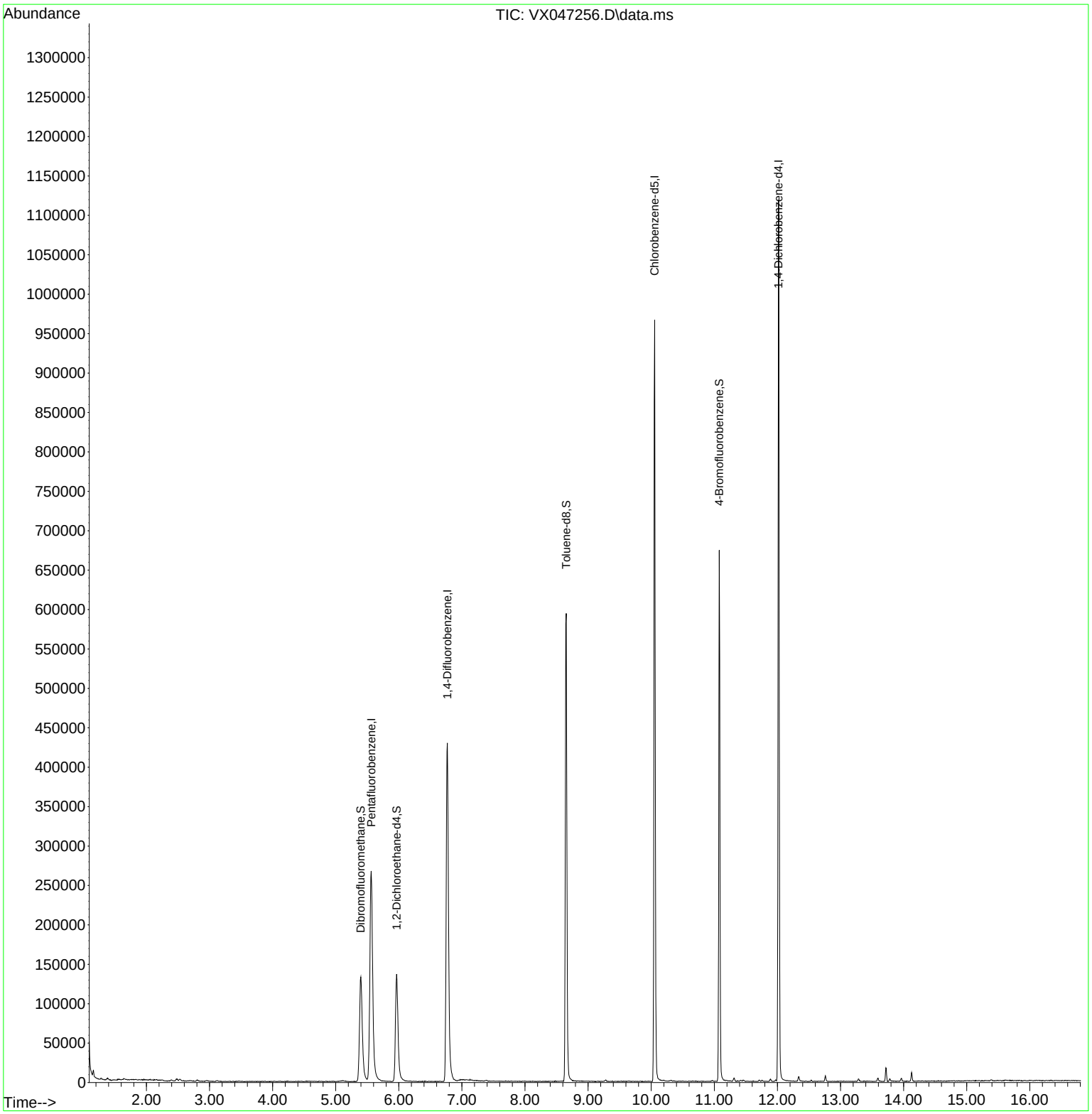
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	268300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	464283	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	425258	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	220877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	147458	44.120	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.240%		
35) Dibromofluoromethane	5.397	113	128496	44.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.640%		
50) Toluene-d8	8.653	98	371931	40.063	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	80.120%#		
62) 4-Bromofluorobenzene	11.079	95	178097	44.517	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.040%		
Target Compounds						Qvalue

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

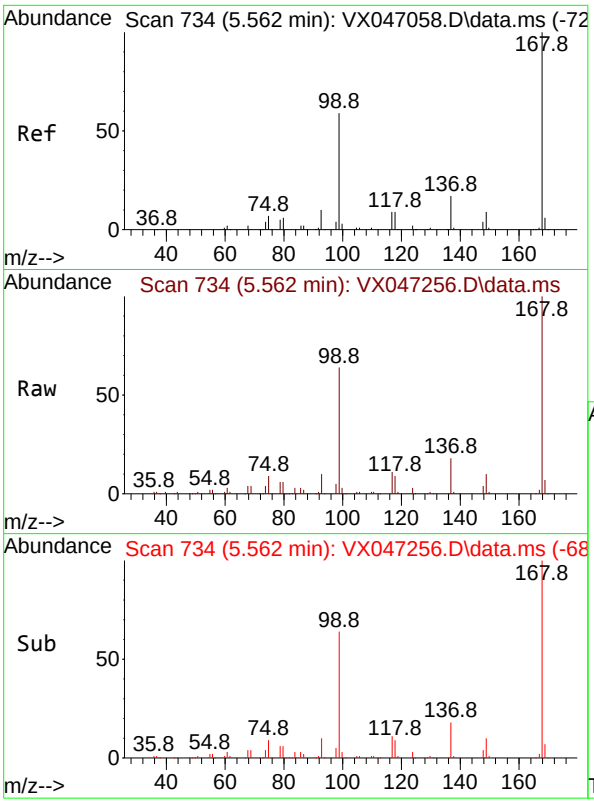
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047256.D
Acq On : 07 Aug 2025 12:45
Operator : JC/MD
Sample : Q2790-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

Quant Time: Aug 08 02:42:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



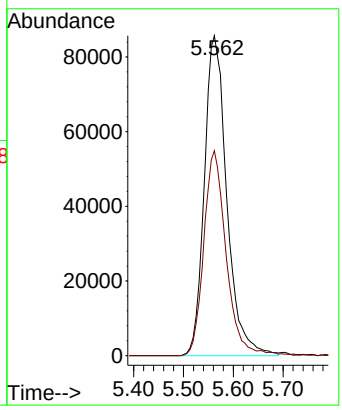
Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

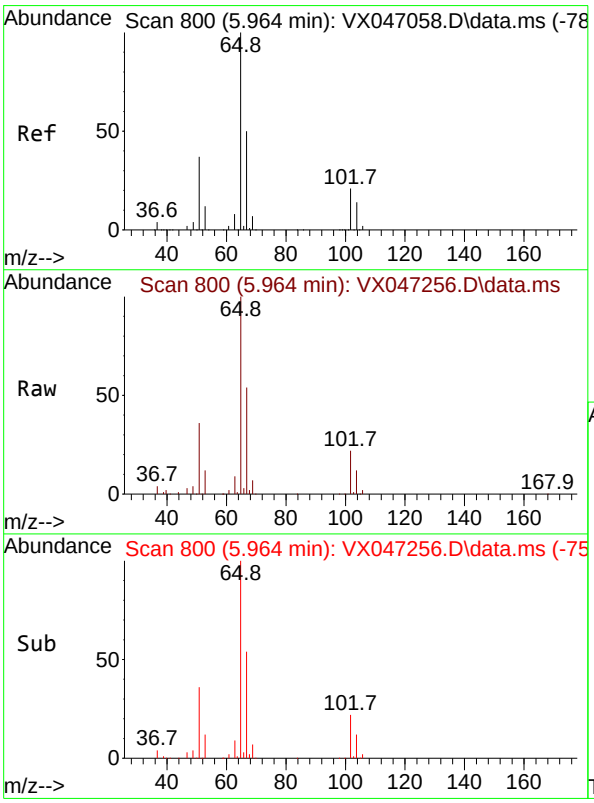


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion:168 Resp: 268300

Ion	Ratio	Lower	Upper
168	100		
99	64.0	48.0	72.0

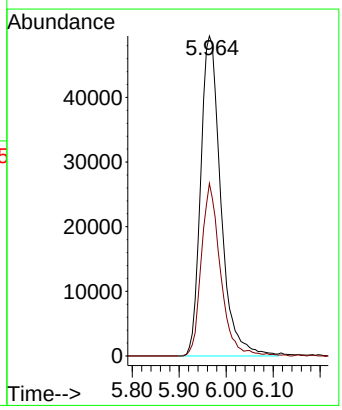


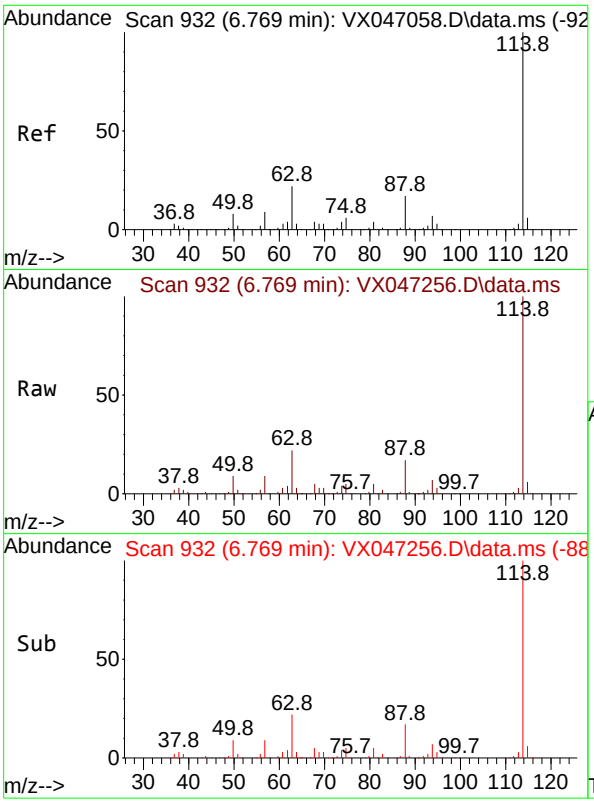


#33
1,2-Dichloroethane-d4
Concen: 44.120 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion: 65 Resp: 147458

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.8



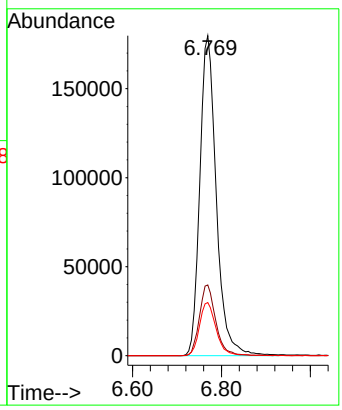


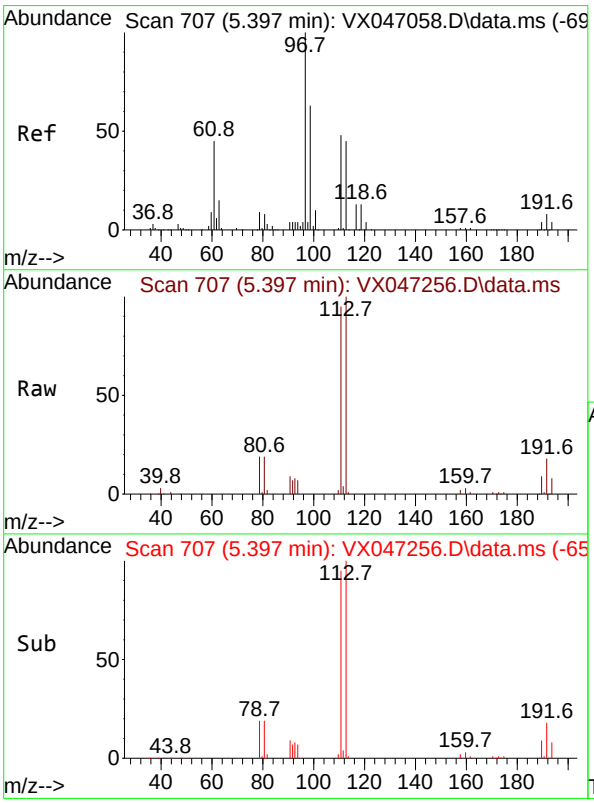
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

Tgt Ion:114 Resp: 464283

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	16.6	0.0	33.8

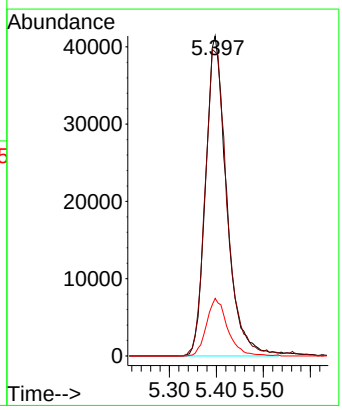


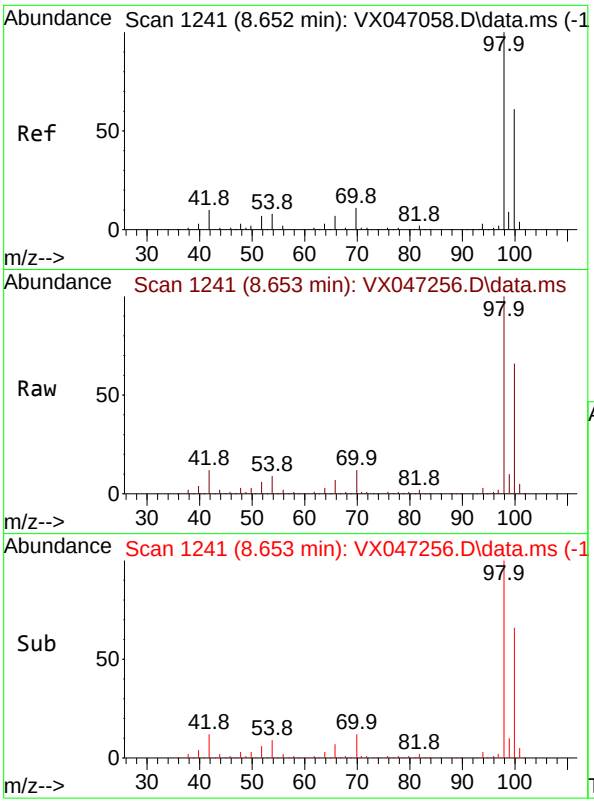


#35
Dibromofluoromethane
Concen: 44.825 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion:113 Resp: 128496

Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.6	124.0
192	18.0	14.9	22.3



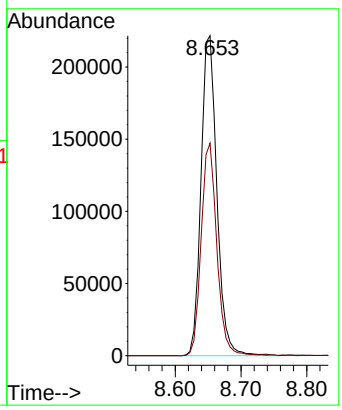


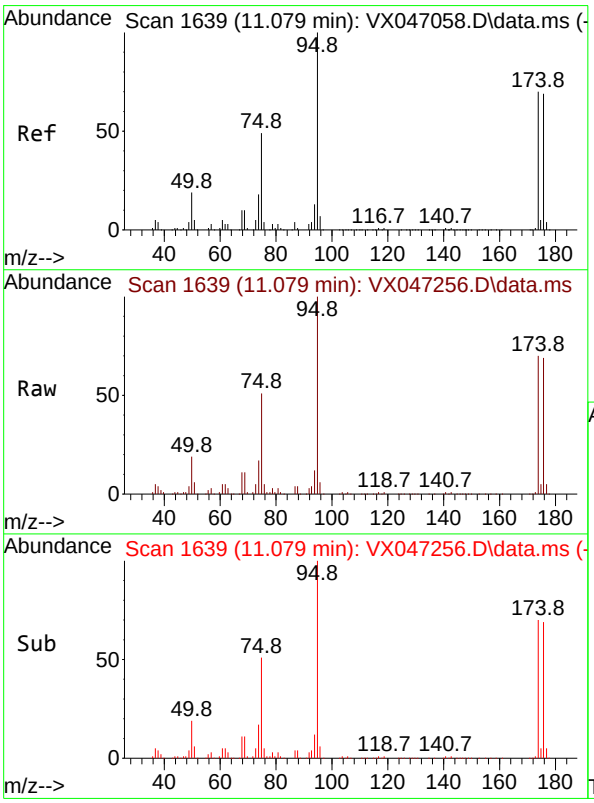
#50
Toluene-d8
Concen: 40.063 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

Tgt Ion: 98 Resp: 371931

Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.3	79.9

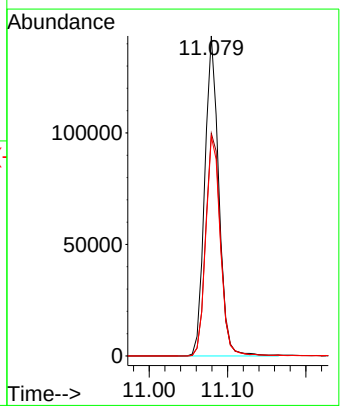


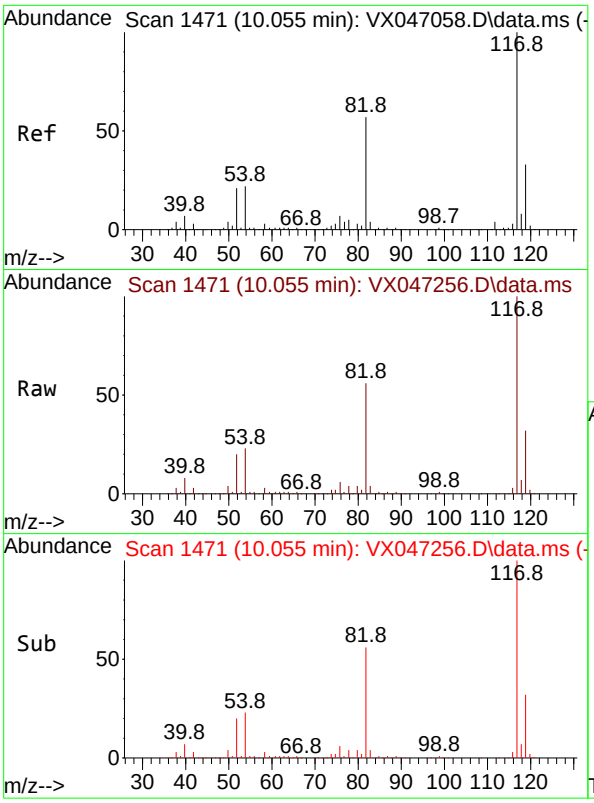


#62
4-Bromofluorobenzene
Concen: 44.517 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion: 95 Resp: 178097

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	144.6
176	71.2	0.0	139.6



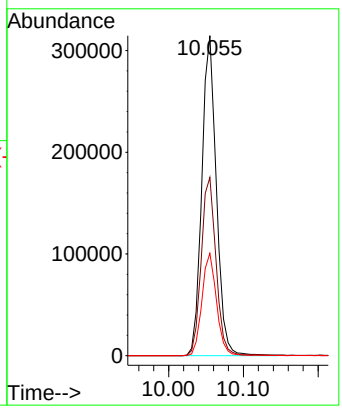


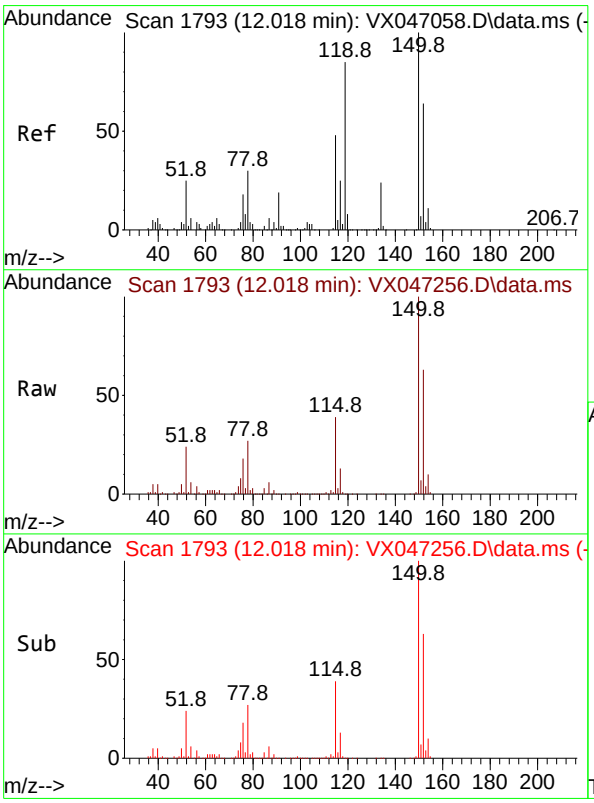
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

Tgt Ion:117 Resp: 425258

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.4	68.2
119	32.0	26.1	39.1

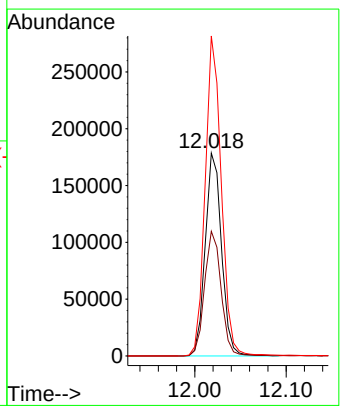




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047256.D
Acq: 07 Aug 2025 12:45

Tgt Ion:152 Resp: 220877

Ion	Ratio	Lower	Upper
152	100		
115	62.4	45.6	136.7
150	156.5	0.0	354.6



Sample Results: **VX047256.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047256.D
Acq On : 07 Aug 2025 12:45
Operator : JC/MD
Sample : Q2790-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047256.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.160	9	12	23	rVB	10611	16863	1.22%	0.229%
2	5.397	694	707	723	rBV2	132441	418388	30.34%	5.681%
3	5.562	723	734	762	rVB	266592	841952	61.05%	11.433%
4	5.964	787	800	818	rBV	136201	394710	28.62%	5.360%
5	6.769	922	932	953	rBV	429410	1113012	80.71%	15.114%
6	8.653	1234	1241	1258	rBV	593600	1002931	72.73%	13.619%
7	10.055	1465	1471	1485	rBV	965839	1329029	96.37%	18.047%
8	11.079	1634	1639	1651	rBV	673134	845806	61.33%	11.485%
9	12.018	1788	1793	1812	rBV	1117352	1379021	100.00%	18.726%
10	13.719	2067	2072	2076	rBV	17342	22416	1.63%	0.304%

Sum of corrected areas: 7364128

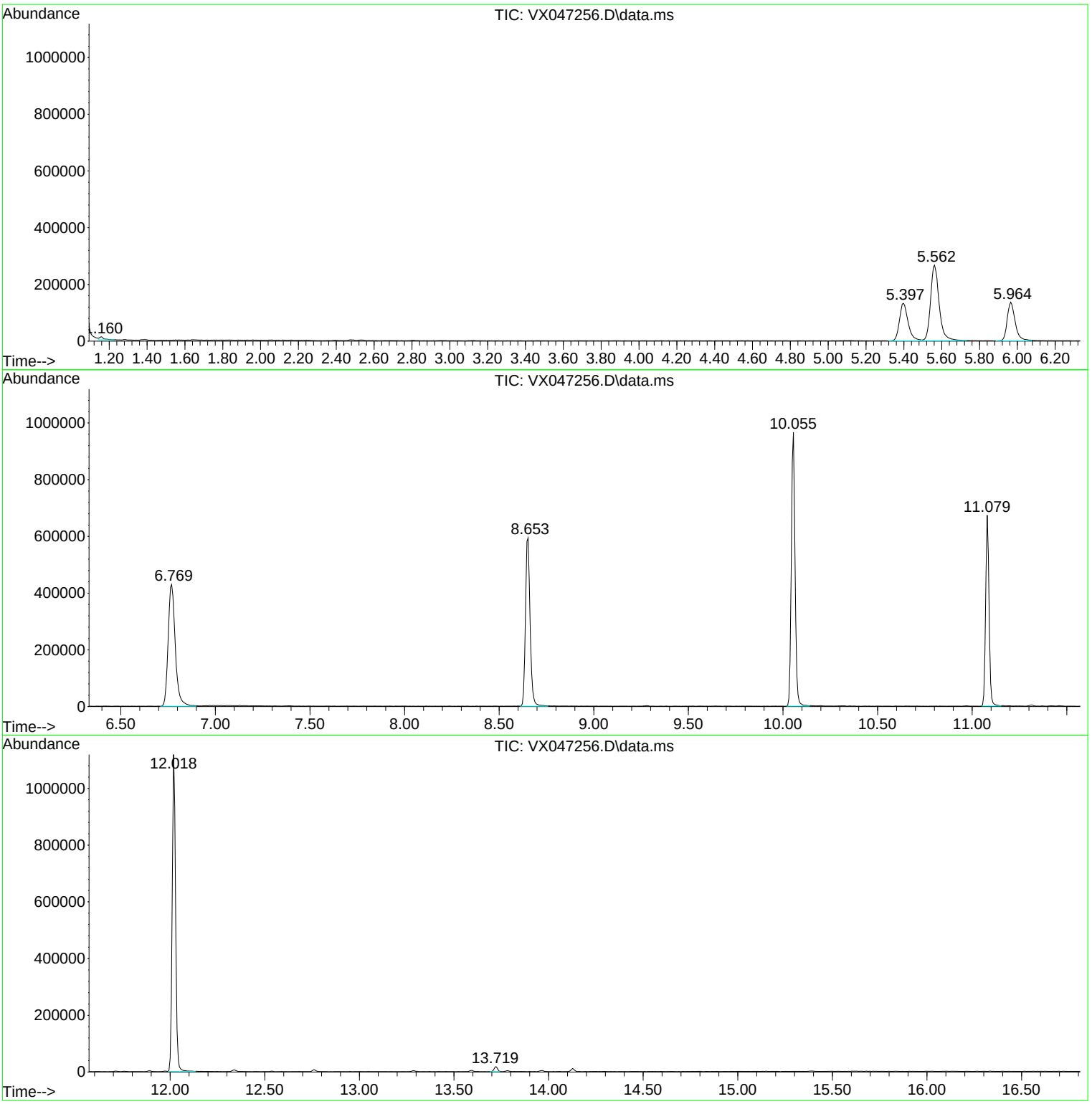
Sample Results: **VX047256.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047256.D
Acq On : 07 Aug 2025 12:45
Operator : JC/MD
Sample : Q2790-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047256.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047256.D
Acq On : 07 Aug 2025 12:45
Operator : JC/MD
Sample : Q2790-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX080725\
Data File : VX047256.D
Acq On : 07 Aug 2025 12:45
Operator : JC/MD
Sample : Q2790-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
250806062-03 Trip blank

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG No.: Q2790

Instrument ID: MSVOA_X Calibration Date(s): 07/21/2025 07/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:47 11:32

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

LAB FILE ID: RRF001 = VX047055.D RRF005 = VX047056.D RRF020 = VX047057.D
RRF050 = VX047058.D RRF100 = VX047059.D RRF150 = VX047060.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.516	0.640	0.610	0.768	0.721	0.729	0.664	14.1
Chloromethane	0.582	0.668	0.626	0.699	0.667	0.701	0.657	7
Vinyl Chloride	0.578	0.739	0.700	0.780	0.716	0.723	0.706	9.7
Bromomethane		0.408	0.400	0.448	0.353	0.309	0.384	14
Chloroethane	0.547	0.482	0.436	0.470	0.423	0.424	0.464	10.3
Trichlorofluoromethane	0.853	1.123	1.058	1.158	1.054	1.071	1.053	10.1
1,1,2-Trichlorotrifluoroethane	0.558	0.671	0.646	0.675	0.627	0.631	0.634	6.7
1,1-Dichloroethene	0.553	0.659	0.635	0.674	0.624	0.625	0.628	6.7
Acetone	0.268	0.267	0.246	0.252	0.232	0.231	0.250	6.5
Carbon Disulfide	1.633	1.926	1.823	1.936	1.783	1.805	1.818	6.1
Methyl tert-butyl Ether	1.640	2.011	1.960	2.055	1.891	1.916	1.912	7.6
Methyl Acetate	0.657	0.686	0.636	0.688	0.651	0.662	0.663	3.1
Methylene Chloride	0.635	0.751	0.708	0.722	0.653	0.651	0.686	6.8
trans-1,2-Dichloroethene	0.531	0.701	0.667	0.695	0.632	0.632	0.643	9.7
1,1-Dichloroethane	1.044	1.327	1.245	1.300	1.177	1.193	1.214	8.4
Cyclohexane		1.221	1.187	1.215	1.099	1.101	1.164	5.2
2-Butanone	0.317	0.376	0.371	0.391	0.363	0.362	0.363	6.8
Carbon Tetrachloride	0.526	0.612	0.566	0.595	0.531	0.540	0.562	6.4
cis-1,2-Dichloroethene	0.670	0.832	0.777	0.807	0.739	0.744	0.761	7.6
Bromochloromethane	0.457	0.608	0.568	0.609	0.559	0.550	0.559	9.9
Chloroform	1.180	1.357	1.252	1.289	1.175	1.164	1.236	6.2
1,1,1-Trichloroethane	0.961	1.156	1.101	1.127	1.041	1.057	1.074	6.5
Methylcyclohexane	0.583	0.693	0.674	0.699	0.640	0.653	0.657	6.5
Benzene	1.327	1.656	1.573	1.650	1.451	1.480	1.523	8.4
1,2-Dichloroethane	0.468	0.587	0.558	0.576	0.512	0.517	0.536	8.5
Trichloroethene	0.350	0.427	0.392	0.420	0.371	0.383	0.391	7.5
1,2-Dichloropropane	0.334	0.419	0.393	0.408	0.363	0.371	0.381	8.2
Bromodichloromethane	0.494	0.626	0.579	0.617	0.543	0.557	0.569	8.7
4-Methyl-2-Pentanone	0.371	0.477	0.470	0.497	0.440	0.440	0.449	9.8
Toluene	0.762	1.047	0.987	1.017	0.896	0.910	0.936	11.1

* 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.

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG No.: Q2790

Instrument ID: MSVOA_X Calibration Date(s): 07/21/2025 07/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:47 11:32

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

LAB FILE ID: RRF001 = VX047055.D RRF005 = VX047056.D RRF020 = VX047057.D
RRF050 = VX047058.D RRF100 = VX047059.D RRF150 = VX047060.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.429	0.549	0.546	0.592	0.548	0.562	0.538	10.4
cis-1,3-Dichloropropene	0.442	0.611	0.618	0.653	0.593	0.614	0.588	12.6
1,1,2-Trichloroethane	0.300	0.391	0.373	0.376	0.332	0.335	0.351	9.9
2-Hexanone	0.192	0.312	0.324	0.343	0.305	0.304	0.297	17.9
Dibromochloromethane	0.343	0.449	0.428	0.444	0.398	0.409	0.412	9.4
1,2-Dibromoethane	0.334	0.398	0.377	0.395	0.349	0.351	0.367	7.3
Tetrachloroethene	0.322	0.403	0.381	0.376	0.337	0.344	0.360	8.6
Chlorobenzene	1.029	1.295	1.225	1.231	1.114	1.135	1.171	8.2
Ethyl Benzene	1.814	2.189	2.119	2.204	1.975	1.987	2.048	7.4
m/p-Xylenes	0.693	0.827	0.795	0.818	0.734	0.732	0.766	7.1
o-Xylene	0.586	0.820	0.769	0.785	0.704	0.711	0.729	11.4
Styrene	1.024	1.356	1.332	1.361	1.209	1.219	1.250	10.4
Bromoform	0.257	0.323	0.302	0.325	0.292	0.299	0.300	8.2
Isopropylbenzene	3.180	4.148	4.146	4.309	3.907	3.979	3.945	10.2
1,1,2,2-Tetrachloroethane	0.979	1.203	1.182	1.210	1.085	1.103	1.127	7.9
1,3-Dichlorobenzene	1.562	1.968	1.869	1.908	1.704	1.776	1.798	8.3
1,4-Dichlorobenzene	1.659	1.982	1.903	1.893	1.723	1.767	1.821	6.8
1,2-Dichlorobenzene	1.533	1.873	1.764	1.824	1.625	1.691	1.718	7.4
1,2-Dibromo-3-Chloropropane	0.140	0.223	0.223	0.239	0.231	0.242	0.216	17.6
1,2,4-Trichlorobenzene	0.919	1.189	1.159	1.224	1.144	1.176	1.135	9.6
1,2,3-Trichlorobenzene	0.925	1.120	1.117	1.172	1.102	1.126	1.094	7.9
1,2-Dichloroethane-d4		0.768	0.511	0.575	0.611	0.649	0.623	15.4
Dibromofluoromethane		0.355	0.262	0.296	0.302	0.328	0.309	11.3
Toluene-d8		1.293	0.821	0.924	0.946	1.014	1.000	17.8
4-Bromofluorobenzene		0.514	0.369	0.409	0.417	0.445	0.431	12.5

* 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.

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025
Response Via : Initial Calibration

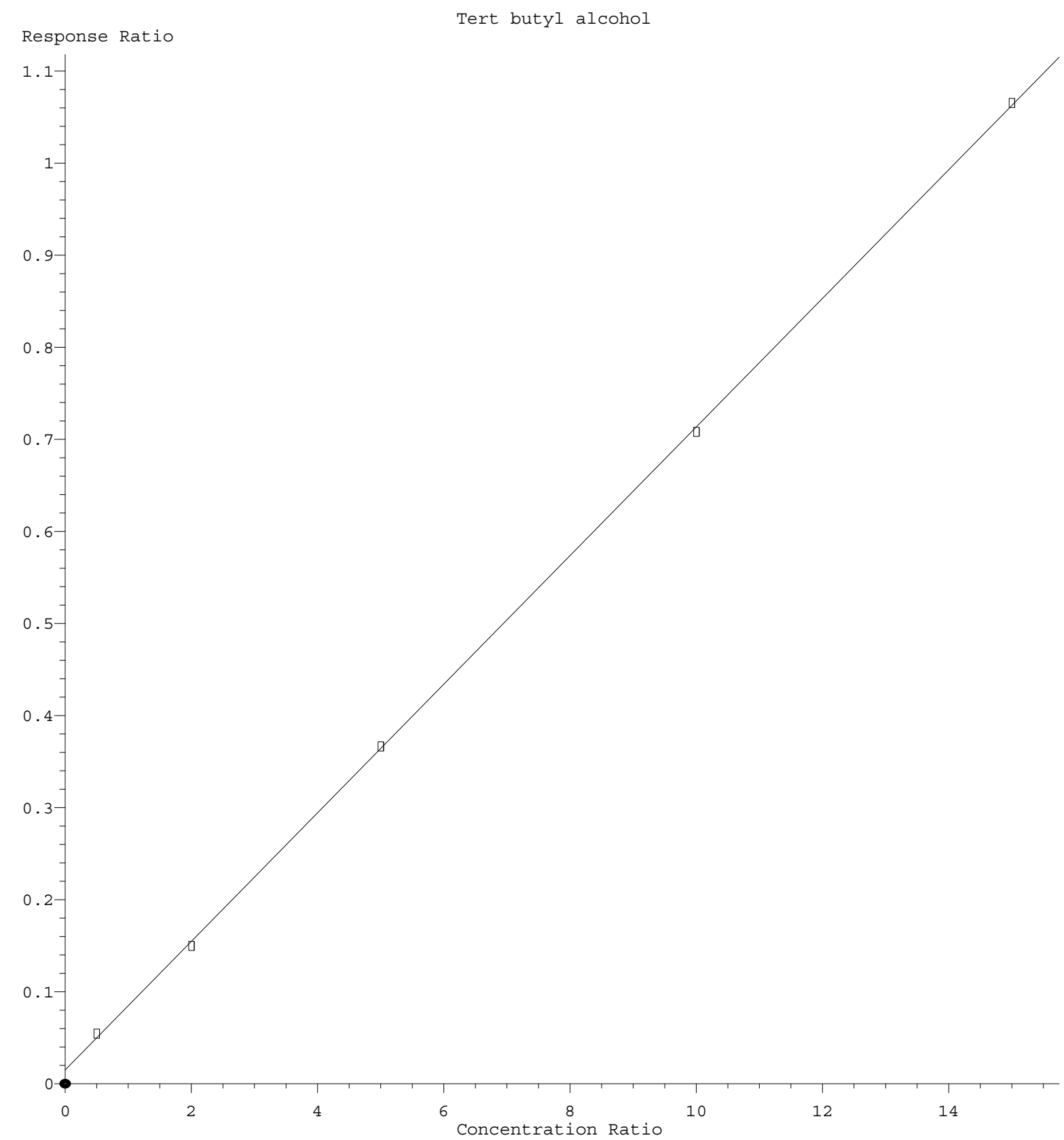
Calibration Files
1 =VX047055.D 5 =VX047056.D 20 =VX047057.D 50 =VX047058.D 100 =VX047059.D 150 =VX047060.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.516	0.640	0.610	0.768	0.721	0.729	0.664	14.06
3)	P	Chloromethane	0.582	0.668	0.626	0.699	0.667	0.701	0.657	7.01
4)	C	Vinyl Chloride	0.578	0.739	0.700	0.780	0.716	0.723	0.706	9.67#
5)	T	Bromomethane		0.408	0.400	0.448	0.353	0.309	0.384	13.95
6)	T	Chloroethane	0.547	0.482	0.436	0.470	0.423	0.424	0.464	10.27
7)	T	Trichlorofluor...	0.853	1.123	1.058	1.158	1.054	1.071	1.053	10.08
8)	T	Diethyl Ether	0.329	0.395	0.376	0.390	0.367	0.370	0.371	6.26
9)	T	1,1,2-Trichlor...	0.558	0.671	0.646	0.675	0.627	0.631	0.634	6.70
10)	T	Methyl Iodide		0.476	0.552	0.727	0.718	0.760	0.647	19.34
11)	T	Tert butyl alc...		0.109	0.075	0.073	0.071	0.071	0.080	20.51
12)	CM	1,1-Dichloroet...	0.553	0.659	0.635	0.674	0.624	0.625	0.628	6.66#
13)	T	Acrolein		0.135	0.130	0.139	0.133	0.134	0.134	2.33
14)	T	Allyl chloride	0.941	1.191	1.162	1.239	1.139	1.143	1.136	9.00
15)	T	Acrylonitrile	0.208	0.321	0.317	0.329	0.305	0.302	0.297	15.15
16)	T	Acetone	0.268	0.267	0.246	0.252	0.232	0.231	0.250	6.53
17)	T	Carbon Disulfide	1.633	1.926	1.823	1.936	1.783	1.805	1.818	6.09
18)	T	Methyl Acetate	0.657	0.686	0.636	0.688	0.651	0.662	0.663	3.05
19)	T	Methyl tert-bu...	1.640	2.011	1.960	2.055	1.891	1.916	1.912	7.64
20)	T	Methylene Chlo...	0.635	0.751	0.708	0.722	0.653	0.651	0.686	6.83
21)	T	trans-1,2-Dich...	0.531	0.701	0.667	0.695	0.632	0.632	0.643	9.69
22)	T	Diisopropyl ether	1.808	2.393	2.289	2.362	2.126	2.124	2.184	9.93
23)	T	Vinyl Acetate	1.333	1.804	1.858	1.940	1.792	1.782	1.752	12.18
24)	P	1,1-Dichloroet...	1.044	1.327	1.245	1.300	1.177	1.193	1.214	8.40
25)	T	2-Butanone	0.317	0.376	0.371	0.391	0.363	0.362	0.363	6.85
26)	T	2,2-Dichloropr...	0.874	1.011	0.928	0.979	0.912	0.937	0.940	5.20
27)	T	cis-1,2-Dichlo...	0.670	0.832	0.777	0.807	0.739	0.744	0.761	7.56
28)	T	Bromochloromet...	0.457	0.608	0.568	0.609	0.559	0.550	0.559	9.95
29)	T	Tetrahydrofuran	0.182	0.250	0.244	0.256	0.238	0.236	0.234	11.35
30)	C	Chloroform	1.180	1.357	1.252	1.289	1.175	1.164	1.236	6.22#
31)	T	Cyclohexane		1.221	1.187	1.215	1.099	1.101	1.164	5.19
32)	T	1,1,1-Trichlor...	0.961	1.156	1.101	1.127	1.041	1.057	1.074	6.49
33)	S	1,2-Dichloroet...		0.768	0.511	0.575	0.611	0.649	0.623	15.42
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.355	0.262	0.296	0.302	0.328	0.309	11.30
36)	T	1,1-Dichloropr...	0.576	0.527	0.528	0.547	0.484	0.495	0.526	6.34
37)	T	Ethyl Acetate	0.496	0.537	0.438	0.511	0.462	0.466	0.485	7.48
38)	T	Carbon Tetrach...	0.526	0.612	0.566	0.595	0.531	0.540	0.562	6.35
39)	T	Methylcyclohexane	0.583	0.693	0.674	0.699	0.640	0.653	0.657	6.46
40)	TM	Benzene	1.327	1.656	1.573	1.650	1.451	1.480	1.523	8.41
41)	T	Methacrylonitrile	0.186	0.259	0.258	0.292	0.265	0.262	0.254	13.95
42)	TM	1,2-Dichloroet...	0.468	0.587	0.558	0.576	0.512	0.517	0.536	8.46
43)	T	Isopropyl Acetate	0.527	0.792	0.786	0.850	0.779	0.802	0.756	15.22
44)	TM	Trichloroethene	0.350	0.427	0.392	0.420	0.371	0.383	0.391	7.51
45)	C	1,2-Dichloropr...	0.334	0.419	0.393	0.408	0.363	0.371	0.381	8.25#
46)	T	Dibromomethane	0.204	0.304	0.275	0.294	0.261	0.267	0.267	13.17
47)	T	Bromodichlorom...	0.494	0.626	0.579	0.617	0.543	0.557	0.569	8.68
48)	T	Methyl methacr...	0.418	0.400	0.397	0.440	0.404	0.413	0.412	3.83
49)	T	1,4-Dioxane	0.003	0.005	0.005	0.005	0.005	0.005	0.005	17.78
50)	S	Toluene-d8		1.293	0.821	0.924	0.946	1.014	1.000	17.79
51)	T	4-Methyl-2-Pen...	0.371	0.477	0.470	0.497	0.440	0.440	0.449	9.81
52)	CM	Toluene	0.762	1.047	0.987	1.017	0.896	0.910	0.936	11.12#
53)	T	t-1,3-Dichloro...	0.429	0.549	0.546	0.592	0.548	0.562	0.538	10.42
54)	T	cis-1,3-Dichlo...	0.442	0.611	0.618	0.653	0.593	0.614	0.588	12.62
55)	T	1,1,2-Trichlor...	0.300	0.391	0.373	0.376	0.332	0.335	0.351	9.87
56)	T	Ethyl methacry...	0.342	0.527	0.556	0.596	0.544	0.555	0.520	17.35

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X072125W.M

57)	T	1,3-Dichloropr...	0.530	0.687	0.639	0.653	0.576	0.577	0.610	9.62
58)	T	2-Chloroethyl ...	0.189	0.360	0.271	0.323	0.296	0.297	0.289	19.88
59)	T	2-Hexanone	0.192	0.312	0.324	0.343	0.305	0.304	0.297	17.93
60)	T	Dibromochlorom...	0.343	0.449	0.428	0.444	0.398	0.409	0.412	9.45
61)	T	1,2-Dibromoethane	0.334	0.398	0.377	0.395	0.349	0.351	0.367	7.28
62)	S	4-Bromofluorob...		0.514	0.369	0.409	0.417	0.445	0.431	12.53
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.322	0.403	0.381	0.376	0.337	0.344	0.360	8.62
65)	PM	Chlorobenzene	1.029	1.295	1.225	1.231	1.114	1.135	1.171	8.24
66)	T	1,1,1,2-Tetrac...	0.354	0.415	0.404	0.419	0.381	0.392	0.394	6.20
67)	C	Ethyl Benzene	1.814	2.189	2.119	2.204	1.975	1.987	2.048	7.35#
68)	T	m/p-Xylenes	0.693	0.827	0.795	0.818	0.734	0.732	0.766	7.07
69)	T	o-Xylene	0.586	0.820	0.769	0.785	0.704	0.711	0.729	11.38
70)	T	Styrene	1.024	1.356	1.332	1.361	1.209	1.219	1.250	10.38
71)	P	Bromoform	0.257	0.323	0.302	0.325	0.292	0.299	0.300	8.23
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.180	4.148	4.146	4.309	3.907	3.979	3.945	10.16
74)	T	N-amyl acetate	1.260	1.501	1.617	1.784	1.658	1.729	1.592	11.89
75)	P	1,1,2,2-Tetrac...	0.979	1.203	1.182	1.210	1.085	1.103	1.127	7.93
76)	T	1,2,3-Trichlor...	0.753	1.027	0.956	0.991	0.904	0.923	0.925	10.32
77)	T	Bromobenzene	0.796	0.997	0.997	1.017	0.925	0.945	0.946	8.58
78)	T	n-propylbenzene	3.796	5.061	4.947	5.118	4.618	4.743	4.714	10.36
79)	T	2-Chlorotoluene	2.428	3.036	2.895	3.029	2.730	2.789	2.818	8.07
80)	T	1,3,5-Trimethy...	2.639	3.508	3.437	3.523	3.181	3.265	3.259	10.22
81)	T	trans-1,4-Dich...		0.301	0.331	0.391	0.375	0.398	0.359	11.62
82)	T	4-Chlorotoluene	2.721	3.585	3.445	3.569	3.183	3.232	3.289	9.88
83)	T	tert-Butylbenzene	2.745	3.433	3.364	3.586	3.198	3.299	3.271	8.83
84)	T	1,2,4-Trimethy...	2.502	3.544	3.415	3.577	3.197	3.269	3.251	12.17
85)	T	sec-Butylbenzene	3.328	4.476	4.269	4.398	3.993	4.056	4.087	10.19
86)	T	p-Isopropyltol...	2.626	3.699	3.570	3.704	3.334	3.402	3.389	11.90
87)	T	1,3-Dichlorobe...	1.562	1.968	1.869	1.908	1.704	1.776	1.798	8.30
88)	T	1,4-Dichlorobe...	1.659	1.982	1.903	1.893	1.723	1.767	1.821	6.79
89)	T	n-Butylbenzene	2.645	3.317	3.324	3.456	3.141	3.187	3.178	8.94
90)	T	Hexachloroethane	0.519	0.601	0.603	0.655	0.619	0.640	0.606	7.84
91)	T	1,2-Dichlorobe...	1.533	1.873	1.764	1.824	1.625	1.691	1.718	7.40
92)	T	1,2-Dibromo-3-...	0.140	0.223	0.223	0.239	0.231	0.242	0.216	17.61
93)	T	1,2,4-Trichlor...	0.919	1.189	1.159	1.224	1.144	1.176	1.135	9.64
94)	T	Hexachlorobuta...	0.334	0.396	0.407	0.406	0.392	0.382	0.386	6.99
95)	T	Naphthalene	2.369	3.231	3.425	3.753	3.499	3.691	3.328	15.20
96)	T	1,2,3-Trichlor...	0.925	1.120	1.117	1.172	1.102	1.126	1.094	7.87

(#) = Out of Range



Response = 6.981e-002 * Amt + 1.498e-002
Coef of Det (r^2) = 0.999878 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X072125W.M
Calibration Table Last Updated: Tue Jul 22 03:59:51 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.562	168	337975	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.769	114	582229	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	522701	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	266871	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	3490	0.777	ug/l		87
3) Chloromethane	1.307	50	3931	0.885	ug/l	#	86
4) Vinyl Chloride	1.392	62	3909	0.819	ug/l		94
6) Chloroethane	1.709	64	3698	1.180	ug/l		95
7) Trichlorofluoromethane	1.910	101	5767	0.810	ug/l		91
8) Diethyl Ether	2.154	74	2227	0.887	ug/l		93
9) 1,1,2-Trichlorotrifluo...	2.349	101	3769	0.879	ug/l		98
12) 1,1-Dichloroethene	2.343	96	3739	0.880	ug/l		94
14) Allyl chloride	2.684	41	6361	0.829	ug/l		86
15) Acrylonitrile	3.087	53	7013	3.493	ug/l		86
16) Acetone	2.392	43	9071	5.378	ug/l	#	88
17) Carbon Disulfide	2.532	76	11039	0.898	ug/l	#	91
18) Methyl Acetate	2.715	43	4440	0.991	ug/l	#	68
19) Methyl tert-butyl Ether	3.130	73	11087	0.858	ug/l		98
20) Methylene Chloride	2.800	84	4289	0.924	ug/l	#	91
21) trans-1,2-Dichloroethene	3.111	96	3590	0.826	ug/l	#	92
22) Diisopropyl ether	3.776	45	12222	0.828	ug/l		92
23) Vinyl Acetate	3.739	43	45048	3.805	ug/l		100
24) 1,1-Dichloroethane	3.629	63	7054	0.859	ug/l	#	94
25) 2-Butanone	4.617	43	10725	4.367	ug/l		99
26) 2,2-Dichloropropane	4.495	77	5905	0.929	ug/l		88
27) cis-1,2-Dichloroethene	4.501	96	4527	0.880	ug/l		84
28) Bromochloromethane	4.916	49	3092	0.819	ug/l	#	98
29) Tetrahydrofuran	5.032	42	6164	3.890	ug/l	#	87
30) Chloroform	5.111	83	7976	0.955	ug/l		86
32) 1,1,1-Trichloroethane	5.397	97	6496	0.895	ug/l	#	51
36) 1,1-Dichloropropene	5.708	75	6705	1.094	ug/l	#	87
37) Ethyl Acetate	4.751	43	5770m	1.068	ug/l		
38) Carbon Tetrachloride	5.696	117	6120	0.936	ug/l		96
39) Methylcyclohexane	7.379	83	6794	0.888	ug/l		90
40) Benzene	6.050	78	15450	0.871	ug/l		91
41) Methacrylonitrile	4.971	41	2166	0.734	ug/l	#	74
42) 1,2-Dichloroethane	6.105	62	5449	0.872	ug/l		98
43) Isopropyl Acetate	6.367	43	6134	0.697	ug/l	#	94
44) Trichloroethene	7.147	130	4075	0.896	ug/l		62
45) 1,2-Dichloropropane	7.440	63	3895	0.877	ug/l		93

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	2372	0.762	ug/l		88
47) Bromodichloromethane	7.830	83	5749	0.867	ug/l	#	87
48) Methyl methacrylate	7.714	41	4863m	1.014	ug/l		
49) 1,4-Dioxane	7.684	88	700m	12.834	ug/l		
51) 4-Methyl-2-Pentanone	8.580	43	21616	4.131	ug/l		95
52) Toluene	8.726	92	8872	0.814	ug/l		96
53) t-1,3-Dichloropropene	8.994	75	4993	0.798	ug/l		93
54) cis-1,3-Dichloropropene	8.379	75	5149	0.751	ug/l	#	73
55) 1,1,2-Trichloroethane	9.153	97	3490	0.853	ug/l	#	88
56) Ethyl methacrylate	9.128	69	3978	0.657	ug/l		91
57) 1,3-Dichloropropane	9.311	76	6170	0.868	ug/l	#	88
58) 2-Chloroethyl Vinyl ether	8.251	63	11010	3.268	ug/l		98
59) 2-Hexanone	9.439	43	11200	3.240	ug/l		87
60) Dibromochloromethane	9.525	129	3998	0.834	ug/l		91
61) 1,2-Dibromoethane	9.616	107	3885	0.909	ug/l		98
64) Tetrachloroethene	9.275	164	3363	0.892	ug/l	#	90
65) Chlorobenzene	10.080	112	10754	0.878	ug/l	#	80
66) 1,1,1,2-Tetrachloroethane	10.165	131	3699	0.897	ug/l	#	64
67) Ethyl Benzene	10.195	91	18959	0.886	ug/l		100
68) m/p-Xylenes	10.299	106	14496	1.809	ug/l		94
69) o-Xylene	10.640	106	6125	0.804	ug/l		91
70) Styrene	10.659	104	10704	0.819	ug/l		93
71) Bromoform	10.799	173	2687	0.858	ug/l	#	97
73) Isopropylbenzene	10.964	105	16971	0.806	ug/l		100
74) N-amyl acetate	10.848	43	6726m	0.801	ug/l		
75) 1,1,2,2-Tetrachloroethane	11.213	83	5223	0.868	ug/l		96
76) 1,2,3-Trichloropropane	11.244	75	4019m	0.814	ug/l		
77) Bromobenzene	11.201	156	4251	0.842	ug/l		94
78) n-propylbenzene	11.305	91	20259	0.805	ug/l		99
79) 2-Chlorotoluene	11.366	91	12959	0.862	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	14083	0.810	ug/l		98
82) 4-Chlorotoluene	11.457	91	14521	0.827	ug/l		97
83) tert-Butylbenzene	11.713	119	14652	0.839	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	13354	0.770	ug/l		98
85) sec-Butylbenzene	11.890	105	17765	0.814	ug/l		95
86) p-Isopropyltoluene	12.006	119	14016	0.775	ug/l		89
87) 1,3-Dichlorobenzene	11.969	146	8335	0.869	ug/l		97
88) 1,4-Dichlorobenzene	12.043	146	8857m	0.911	ug/l		
89) n-Butylbenzene	12.329	91	14116	0.832	ug/l		95
90) Hexachloroethane	12.536	117	2772	0.857	ug/l		90
91) 1,2-Dichlorobenzene	12.335	146	8184	0.892	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	749	0.649	ug/l		92
93) 1,2,4-Trichlorobenzene	13.591	180	4906	0.810	ug/l		98
94) Hexachlorobutadiene	13.725	225	1785	0.866	ug/l		98
95) Naphthalene	13.780	128	12647	0.712	ug/l		97
96) 1,2,3-Trichlorobenzene	13.963	180	4936	0.846	ug/l		95

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

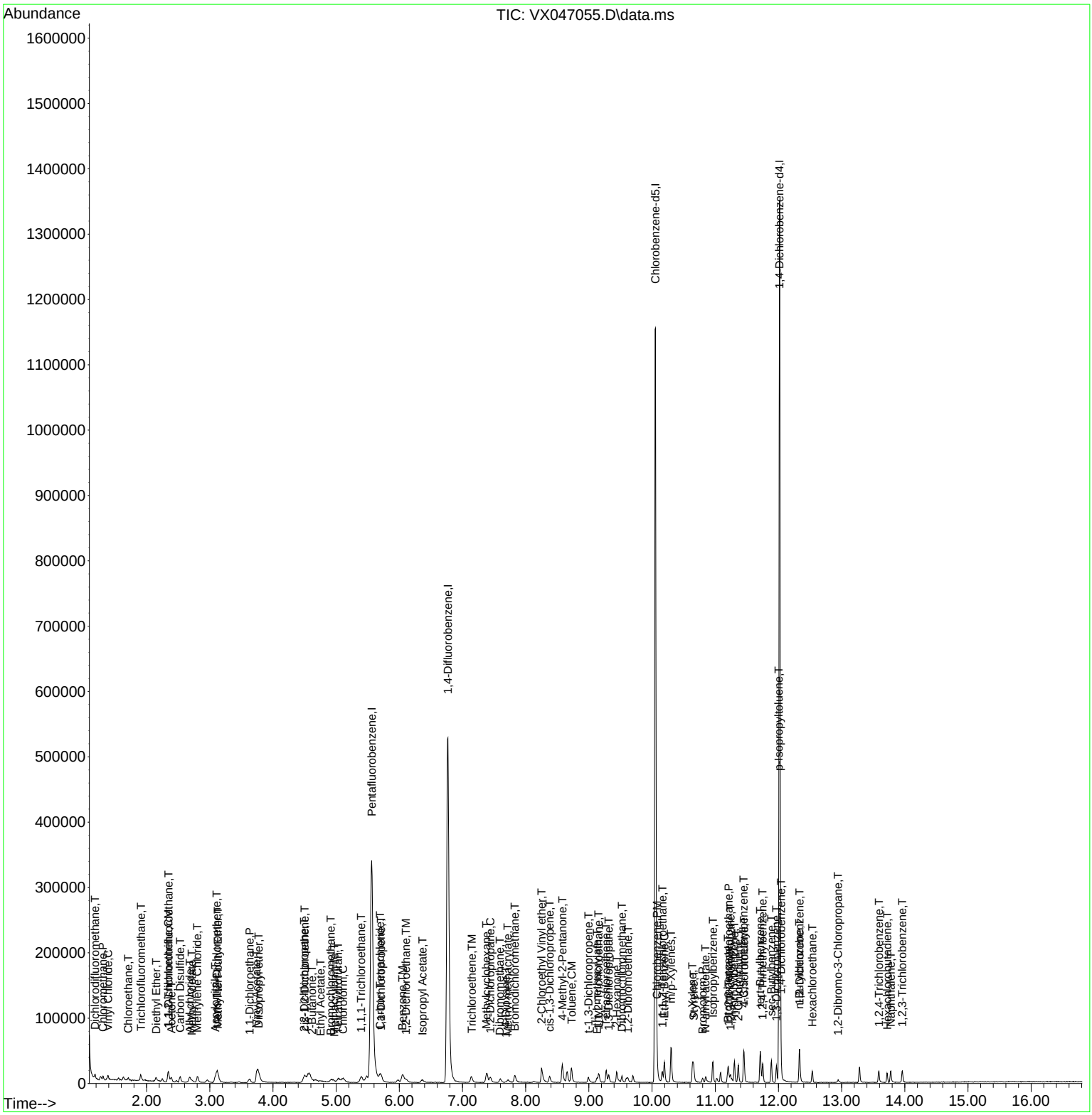
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	319458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	542097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	488683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	246301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	24550	6.169	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	12.340%#		
35) Dibromofluoromethane	5.403	113	19243	5.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.500%#		
50) Toluene-d8	8.652	98	70081	6.465	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	12.940%#		
62) 4-Bromofluorobenzene	11.079	95	27880	5.968	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	20453	4.820	ug/l	95
3) Chloromethane	1.306	50	21331	5.082	ug/l	97
4) Vinyl Chloride	1.385	62	23623	5.236	ug/l	100
5) Bromomethane	1.617	94	13048	5.324	ug/l	88
6) Chloroethane	1.702	64	15411	5.200	ug/l	98
7) Trichlorofluoromethane	1.904	101	35886	5.334	ug/l	96
8) Diethyl Ether	2.148	74	12607	5.315	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	21422	5.285	ug/l	98
10) Methyl Iodide	2.471	142	15201	3.680	ug/l	93
11) Tert butyl alcohol	2.964	59	17392	28.263	ug/l #	92
12) 1,1-Dichloroethene	2.337	96	21053	5.244	ug/l	91
13) Acrolein	2.251	56	21604	25.213	ug/l	99
14) Allyl chloride	2.678	41	38039	5.242	ug/l	99
15) Acrylonitrile	3.074	53	51340	27.051	ug/l	100
16) Acetone	2.391	43	42718	26.796	ug/l	99
17) Carbon Disulfide	2.526	76	61522	5.297	ug/l	100
18) Methyl Acetate	2.721	43	21905	5.171	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	64256	5.259	ug/l	96
20) Methylene Chloride	2.806	84	23989	5.470	ug/l	93
21) trans-1,2-Dichloroethene	3.111	96	22396	5.451	ug/l	96
22) Diisopropyl ether	3.775	45	76458	5.480	ug/l	97
23) Vinyl Acetate	3.739	43	288230	25.756	ug/l	100
24) 1,1-Dichloroethane	3.623	63	42402	5.465	ug/l	96
25) 2-Butanone	4.574	43	60022	25.858	ug/l	97
26) 2,2-Dichloropropane	4.489	77	32298	5.378	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	26579	5.463	ug/l	98
28) Bromochloromethane	4.921	49	19435	5.445	ug/l	96
29) Tetrahydrofuran	5.031	42	39885	26.631	ug/l	96
30) Chloroform	5.110	83	43336	5.487	ug/l	93
31) Cyclohexane	5.482	56	38990	5.241	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	36920	5.382	ug/l	98
36) 1,1-Dichloropropene	5.702	75	28590	5.011	ug/l	98
37) Ethyl Acetate	4.739	43	29112m	5.790	ug/l	
38) Carbon Tetrachloride	5.690	117	33199	5.452	ug/l	97
39) Methylcyclohexane	7.384	83	37547	5.271	ug/l	95
40) Benzene	6.049	78	89797	5.438	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.934	41	14018	5.100 ug/l	98
42) 1,2-Dichloroethane	6.092	62	31844	5.475 ug/l	96
43) Isopropyl Acetate	6.354	43	42946	5.240 ug/l	95
44) Trichloroethene	7.134	130	23153	5.468 ug/l	81
45) 1,2-Dichloropropane	7.439	63	22722	5.494 ug/l	93
46) Dibromomethane	7.592	93	16479	5.682 ug/l	97
47) Bromodichloromethane	7.823	83	33939	5.498 ug/l	99
48) Methyl methacrylate	7.701	41	21660	4.851 ug/l	99
49) 1,4-Dioxane	7.671	88	5549	109.271 ug/l #	92
51) 4-Methyl-2-Pentanone	8.573	43	129413	26.565 ug/l	97
52) Toluene	8.720	92	56775	5.592 ug/l	100
53) t-1,3-Dichloropropene	8.982	75	29776	5.108 ug/l	94
54) cis-1,3-Dichloropropene	8.372	75	33127	5.193 ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	21223	5.574 ug/l	97
56) Ethyl methacrylate	9.116	69	28587	5.072 ug/l	96
57) 1,3-Dichloropropane	9.311	76	37251	5.629 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	97443	31.066 ug/l	98
59) 2-Hexanone	9.433	43	84572	26.276 ug/l	99
60) Dibromochloromethane	9.518	129	24354	5.454 ug/l	99
61) 1,2-Dibromoethane	9.610	107	21578	5.420 ug/l	98
64) Tetrachloroethene	9.274	164	19701	5.592 ug/l	96
65) Chlorobenzene	10.079	112	63268	5.526 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	20300	5.267 ug/l	99
67) Ethyl Benzene	10.195	91	106984	5.345 ug/l	96
68) m/p-Xylenes	10.299	106	80835	10.791 ug/l	99
69) o-Xylene	10.640	106	40071	5.623 ug/l	94
70) Styrene	10.658	104	66283	5.424 ug/l	100
71) Bromoform	10.798	173	15763	5.384 ug/l #	97
73) Isopropylbenzene	10.963	105	102157	5.257 ug/l	97
74) N-amyl acetate	10.841	43	36965	4.769 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	29627	5.338 ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	25285m	5.546 ug/l	
77) Bromobenzene	11.195	156	24549	5.267 ug/l	95
78) n-propylbenzene	11.304	91	124648	5.368 ug/l	100
79) 2-Chlorotoluene	11.365	91	74781	5.387 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	86414	5.383 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7407	4.186 ug/l	86
82) 4-Chlorotoluene	11.457	91	88304	5.450 ug/l	99
83) tert-Butylbenzene	11.713	119	84560	5.248 ug/l	97
84) 1,2,4-Trimethylbenzene	11.749	105	87289	5.451 ug/l	99
85) sec-Butylbenzene	11.890	105	110255	5.477 ug/l	100
86) p-Isopropyltoluene	12.006	119	91112	5.457 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	48466	5.473 ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	48817	5.441 ug/l	95
89) n-Butylbenzene	12.329	91	81710	5.219 ug/l	99
90) Hexachloroethane	12.536	117	14794	4.953 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	46129	5.450 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	5485	5.148 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	29296	5.239 ug/l	99
94) Hexachlorobutadiene	13.719	225	9742	5.122 ug/l	91
95) Naphthalene	13.774	128	79568	4.854 ug/l	99
96) 1,2,3-Trichlorobenzene	13.962	180	27584	5.120 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

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

ICAL Form

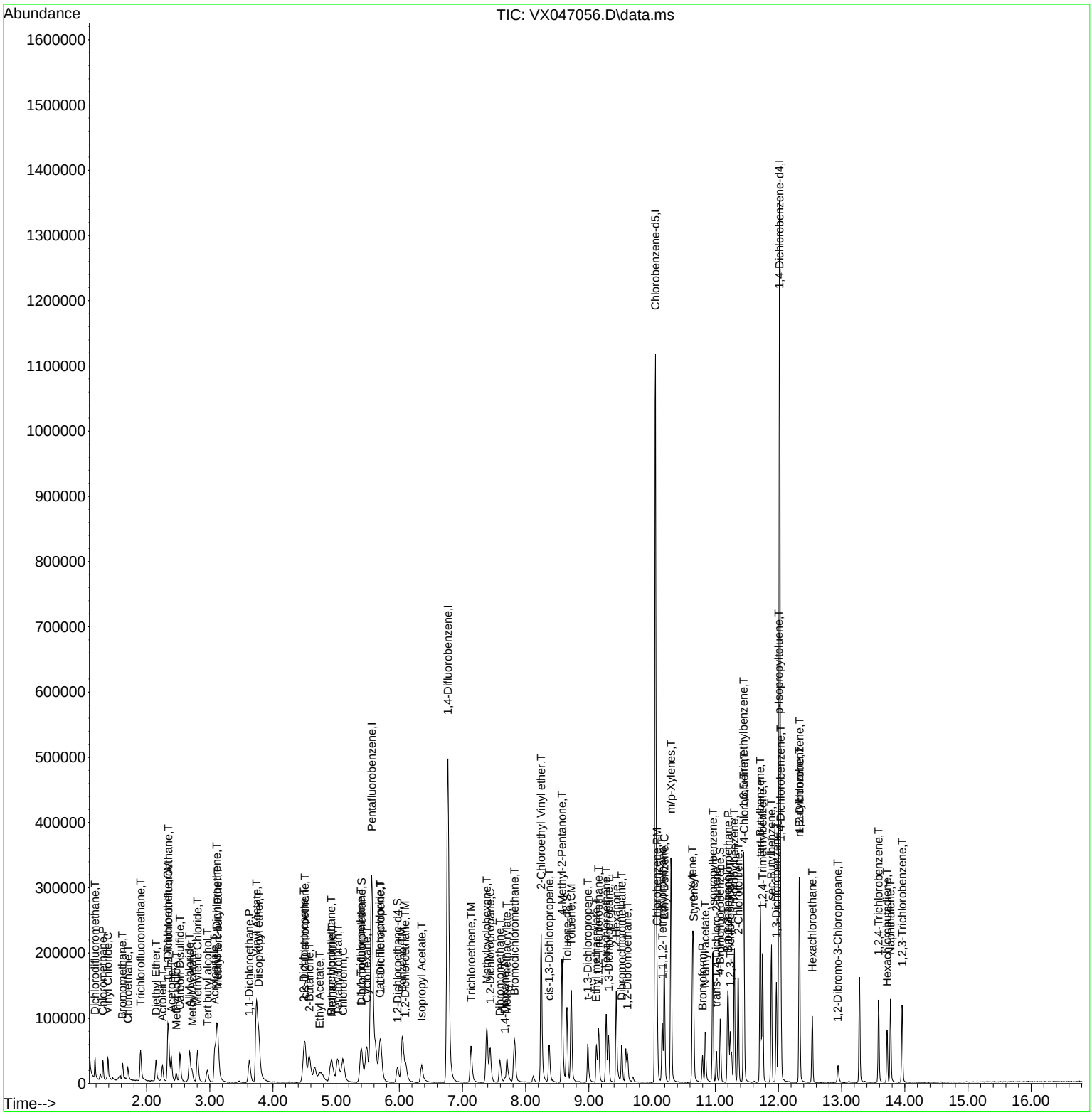
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	320913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	544303	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	486572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	65541	16.395	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	32.800%#		
35) Dibromofluoromethane	5.397	113	57105	16.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	33.980%#		
50) Toluene-d8	8.653	98	178825	16.431	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	32.860%#		
62) 4-Bromofluorobenzene	11.079	95	80359	17.133	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	34.260%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	78327	18.376	ug/l	99
3) Chloromethane	1.306	50	80305	19.046	ug/l	98
4) Vinyl Chloride	1.386	62	89887	19.832	ug/l	96
5) Bromomethane	1.617	94	51290	20.832	ug/l	92
6) Chloroethane	1.703	64	55955	18.797	ug/l	99
7) Trichlorofluoromethane	1.904	101	135815	20.095	ug/l	98
8) Diethyl Ether	2.148	74	48319	20.277	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	82864	20.350	ug/l	100
10) Methyl Iodide	2.465	142	70850	17.073	ug/l	98
11) Tert butyl alcohol	2.959	59	48048	96.502	ug/l	98
12) 1,1-Dichloroethene	2.337	96	81489	20.206	ug/l	96
13) Acrolein	2.245	56	83483	96.989	ug/l	97
14) Allyl chloride	2.678	41	149196	20.465	ug/l	99
15) Acrylonitrile	3.074	53	203243	106.603	ug/l	100
16) Acetone	2.385	43	157932	98.619	ug/l	97
17) Carbon Disulfide	2.526	76	234036	20.059	ug/l	99
18) Methyl Acetate	2.715	43	81624	19.180	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	251581	20.497	ug/l	99
20) Methylene Chloride	2.806	84	90849	20.621	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	85583	20.738	ug/l	97
22) Diisopropyl ether	3.769	45	293875	20.967	ug/l	91
23) Vinyl Acetate	3.733	43	1192633	106.090	ug/l	99
24) 1,1-Dichloroethane	3.623	63	159828	20.507	ug/l	99
25) 2-Butanone	4.568	43	238246	102.172	ug/l	97
26) 2,2-Dichloropropane	4.495	77	119113	19.743	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	99794	20.420	ug/l	99
28) Bromochloromethane	4.909	49	72912	20.334	ug/l	97
29) Tetrahydrofuran	5.019	42	156819	104.232	ug/l	100
30) Chloroform	5.104	83	160698	20.255	ug/l	100
31) Cyclohexane	5.482	56	152430	20.397	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	141289	20.503	ug/l	100
36) 1,1-Dichloropropene	5.702	75	114925	20.062	ug/l	99
37) Ethyl Acetate	4.726	43	95455	18.907	ug/l	99
38) Carbon Tetrachloride	5.684	117	123204	20.150	ug/l	99
39) Methylcyclohexane	7.385	83	146762	20.519	ug/l	99
40) Benzene	6.049	78	342454	20.656	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	56166	20.350	ug/l		95
42) 1,2-Dichloroethane	6.098	62	121515	20.808	ug/l		98
43) Isopropyl Acetate	6.342	43	171186	20.802	ug/l		99
44) Trichloroethene	7.128	130	85446	20.099	ug/l		98
45) 1,2-Dichloropropane	7.433	63	85547	20.603	ug/l		94
46) Dibromomethane	7.586	93	59949	20.588	ug/l		99
47) Bromodichloromethane	7.824	83	126091	20.345	ug/l		99
48) Methyl methacrylate	7.695	41	86386	19.269	ug/l		97
49) 1,4-Dioxane	7.665	88	21524	422.133	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	511307	104.532	ug/l		99
52) Toluene	8.720	92	214955	21.087	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	118872	20.311	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	134587	21.011	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	81137	21.224	ug/l		98
56) Ethyl methacrylate	9.116	69	121053	21.389	ug/l		98
57) 1,3-Dichloropropane	9.311	76	139031	20.925	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	294878	93.631	ug/l		100
59) 2-Hexanone	9.427	43	352298	109.015	ug/l		97
60) Dibromochloromethane	9.518	129	93165	20.779	ug/l		100
61) 1,2-Dibromoethane	9.610	107	82035	20.522	ug/l		99
64) Tetrachloroethene	9.274	164	74177	21.147	ug/l		95
65) Chlorobenzene	10.079	112	238428	20.917	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	78682	20.502	ug/l		98
67) Ethyl Benzene	10.195	91	412412	20.693	ug/l		99
68) m/p-Xylenes	10.299	106	309353	41.478	ug/l		98
69) o-Xylene	10.640	106	149592	21.083	ug/l		100
70) Styrene	10.652	104	259267	21.310	ug/l		100
71) Bromoform	10.799	173	58699	20.135	ug/l	#	100
73) Isopropylbenzene	10.963	105	399077	21.021	ug/l		100
74) N-amyl acetate	10.841	43	155675	20.558	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	113741	20.975	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	92003m	20.656	ug/l		
77) Bromobenzene	11.195	156	95957	21.073	ug/l		97
78) n-propylbenzene	11.298	91	476196	20.991	ug/l		100
79) 2-Chlorotoluene	11.359	91	278615	20.545	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	330824	21.093	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	31878	18.440	ug/l		94
82) 4-Chlorotoluene	11.451	91	331629	20.951	ug/l		99
83) tert-Butylbenzene	11.713	119	323819	20.571	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	328672	21.010	ug/l		100
85) sec-Butylbenzene	11.890	105	410930	20.892	ug/l		99
86) p-Isopropyltoluene	12.006	119	343591	21.065	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	179867	20.789	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	183173	20.897	ug/l		98
89) n-Butylbenzene	12.329	91	319940	20.916	ug/l		98
90) Hexachloroethane	12.536	117	58057	19.896	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	169749	20.528	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21427	20.585	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	111525	20.413	ug/l		99
94) Hexachlorobutadiene	13.719	225	39186	21.090	ug/l		96
95) Naphthalene	13.774	128	329630	20.581	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	107542	20.432	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

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

ICAL Form

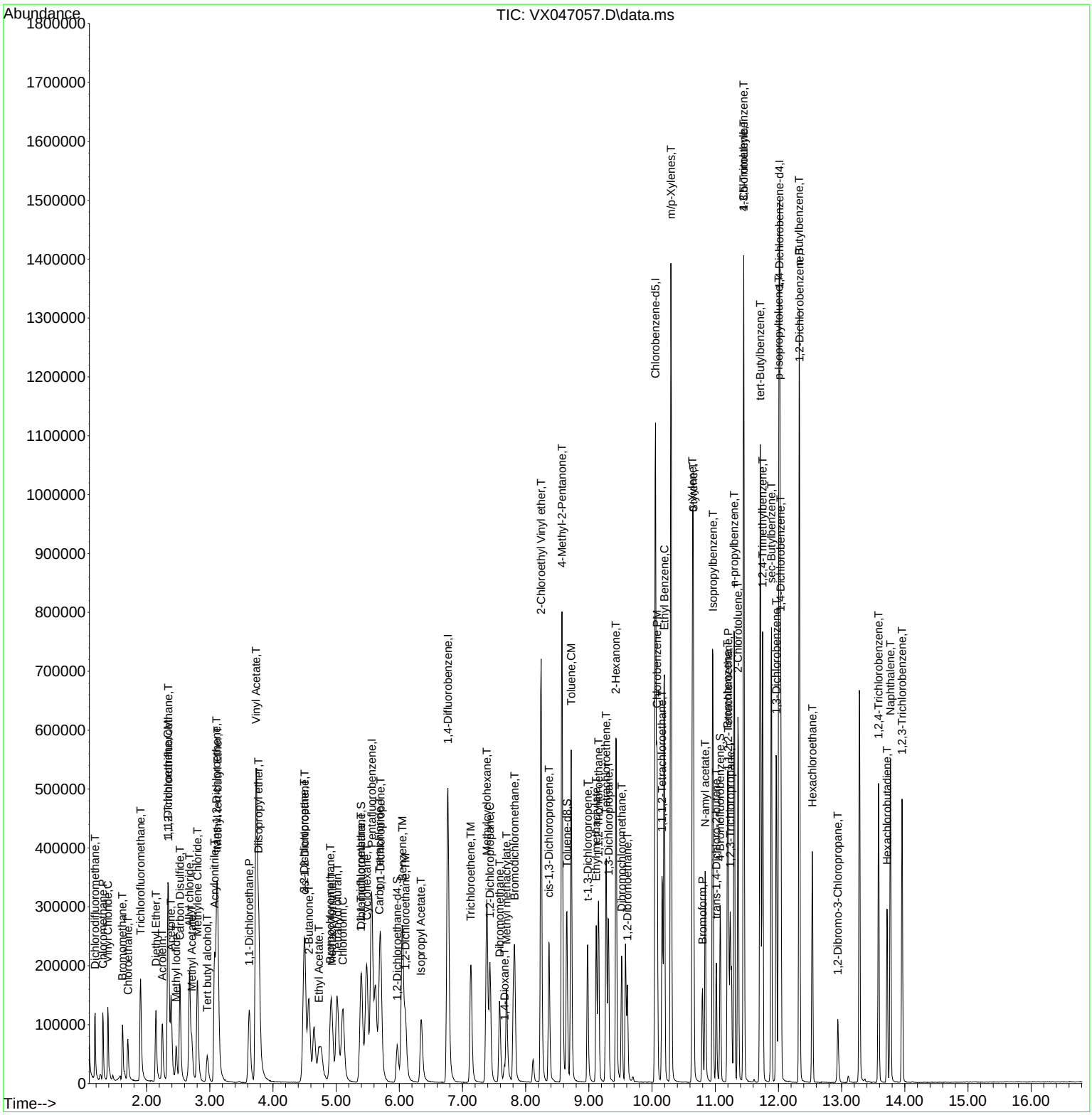
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	309883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	516282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	464565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	223799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	178313	46.193	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.380%			
35) Dibromofluoromethane	5.397	113	152747	47.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.840%			
50) Toluene-d8	8.652	98	477108	46.217	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.440%			
62) 4-Bromofluorobenzene	11.079	95	211198	47.473	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	238090	57.844	ug/l	100
3) Chloromethane	1.306	50	216682	53.219	ug/l	100
4) Vinyl Chloride	1.386	62	241663	55.216	ug/l	100
5) Bromomethane	1.617	94	138734	58.354	ug/l	100
6) Chloroethane	1.703	64	145779	50.714	ug/l	100
7) Trichlorofluoromethane	1.904	101	358904	54.994	ug/l	100
8) Diethyl Ether	2.148	74	120887	52.535	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	209152	53.194	ug/l	100
10) Methyl Iodide	2.471	142	225356	56.237	ug/l	100
11) Tert butyl alcohol	2.958	59	113517	251.629	ug/l	100
12) 1,1-Dichloroethene	2.337	96	208894	53.640	ug/l	100
13) Acrolein	2.251	56	214749	258.372	ug/l	100
14) Allyl chloride	2.678	41	383854	54.528	ug/l	100
15) Acrylonitrile	3.074	53	510056	277.051	ug/l	100
16) Acetone	2.385	43	390060	252.239	ug/l	100
17) Carbon Disulfide	2.532	76	600045	53.261	ug/l	100
18) Methyl Acetate	2.715	43	213070	51.848	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	636699	53.721	ug/l	100
20) Methylene Chloride	2.806	84	223713	52.585	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	215393	54.049	ug/l	100
22) Diisopropyl ether	3.769	45	731970	54.083	ug/l	100
23) Vinyl Acetate	3.733	43	3005277	276.847	ug/l	100
24) 1,1-Dichloroethane	3.623	63	402810	53.522	ug/l	100
25) 2-Butanone	4.562	43	605614	268.961	ug/l	100
26) 2,2-Dichloropropane	4.489	77	303417	52.081	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	250112	53.001	ug/l	100
28) Bromochloromethane	4.909	49	188828	54.536	ug/l	100
29) Tetrahydrofuran	5.013	42	397391	273.532	ug/l	100
30) Chloroform	5.104	83	399454	52.141	ug/l	100
31) Cyclohexane	5.482	56	376396	52.159	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	349090	52.462	ug/l	100
36) 1,1-Dichloropropene	5.702	75	282151	51.926	ug/l	100
37) Ethyl Acetate	4.720	43	263866	55.103	ug/l	100
38) Carbon Tetrachloride	5.690	117	306989	52.934	ug/l	100
39) Methylcyclohexane	7.384	83	360702	53.168	ug/l	100
40) Benzene	6.043	78	851995	54.180	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	150516	57.494	ug/l	100
42) 1,2-Dichloroethane	6.098	62	297385	53.686	ug/l	100
43) Isopropyl Acetate	6.348	43	438617	56.192	ug/l	100
44) Trichloroethene	7.128	130	216747	53.751	ug/l	100
45) 1,2-Dichloropropane	7.433	63	210862	53.539	ug/l	100
46) Dibromomethane	7.586	93	151672	54.916	ug/l	100
47) Bromodichloromethane	7.823	83	318771	54.225	ug/l	100
48) Methyl methacrylate	7.695	41	227033	53.391	ug/l	100
49) 1,4-Dioxane	7.659	88	53924	1114.967	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	1282299	276.384	ug/l	100
52) Toluene	8.720	92	524916	54.288	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	305568	55.044	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	337057	55.475	ug/l	100
55) 1,1,2-Trichloroethane	9.152	97	194314	53.587	ug/l	100
56) Ethyl methacrylate	9.116	69	307494	57.281	ug/l	100
57) 1,3-Dichloropropane	9.305	76	337106	53.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	833190	278.917	ug/l	100
59) 2-Hexanone	9.427	43	886635	289.252	ug/l	100
60) Dibromochloromethane	9.518	129	229147	53.881	ug/l	100
61) 1,2-Dibromoethane	9.610	107	204078	53.823	ug/l	100
64) Tetrachloroethene	9.274	164	174727	52.173	ug/l	100
65) Chlorobenzene	10.079	112	571696	52.530	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	194777	53.158	ug/l	100
67) Ethyl Benzene	10.195	91	1023986	53.812	ug/l	100
68) m/p-Xylenes	10.299	106	759689	106.683	ug/l	100
69) o-Xylene	10.640	106	364689	53.834	ug/l	100
70) Styrene	10.652	104	632474	54.447	ug/l	100
71) Bromoform	10.798	173	150938	54.228	ug/l	100
73) Isopropylbenzene	10.963	105	964411	54.621	ug/l	100
74) N-amyl acetate	10.841	43	399297	56.697	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	270685	53.670	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	221713m	53.523	ug/l	
77) Bromobenzene	11.195	156	227531	53.727	ug/l	100
78) n-propylbenzene	11.304	91	1145472	54.290	ug/l	100
79) 2-Chlorotoluene	11.359	91	677779	53.739	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	788518	54.057	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	87538	54.445	ug/l	100
82) 4-Chlorotoluene	11.451	91	798628	54.249	ug/l	100
83) tert-Butylbenzene	11.713	119	802592	54.819	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	800479	55.018	ug/l	100
85) sec-Butylbenzene	11.890	105	984328	53.809	ug/l	100
86) p-Isopropyltoluene	12.006	119	829044	54.651	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	427108	53.079	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	423743	51.978	ug/l	100
89) n-Butylbenzene	12.329	91	773506	54.372	ug/l	100
90) Hexachloroethane	12.536	117	146577	54.011	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	408192	53.076	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	53563	55.328	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	274012	53.926	ug/l	100
94) Hexachlorobutadiene	13.725	225	90816	52.553	ug/l	100
95) Naphthalene	13.774	128	839990	56.390	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	262282	53.580	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

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

ICAL Form

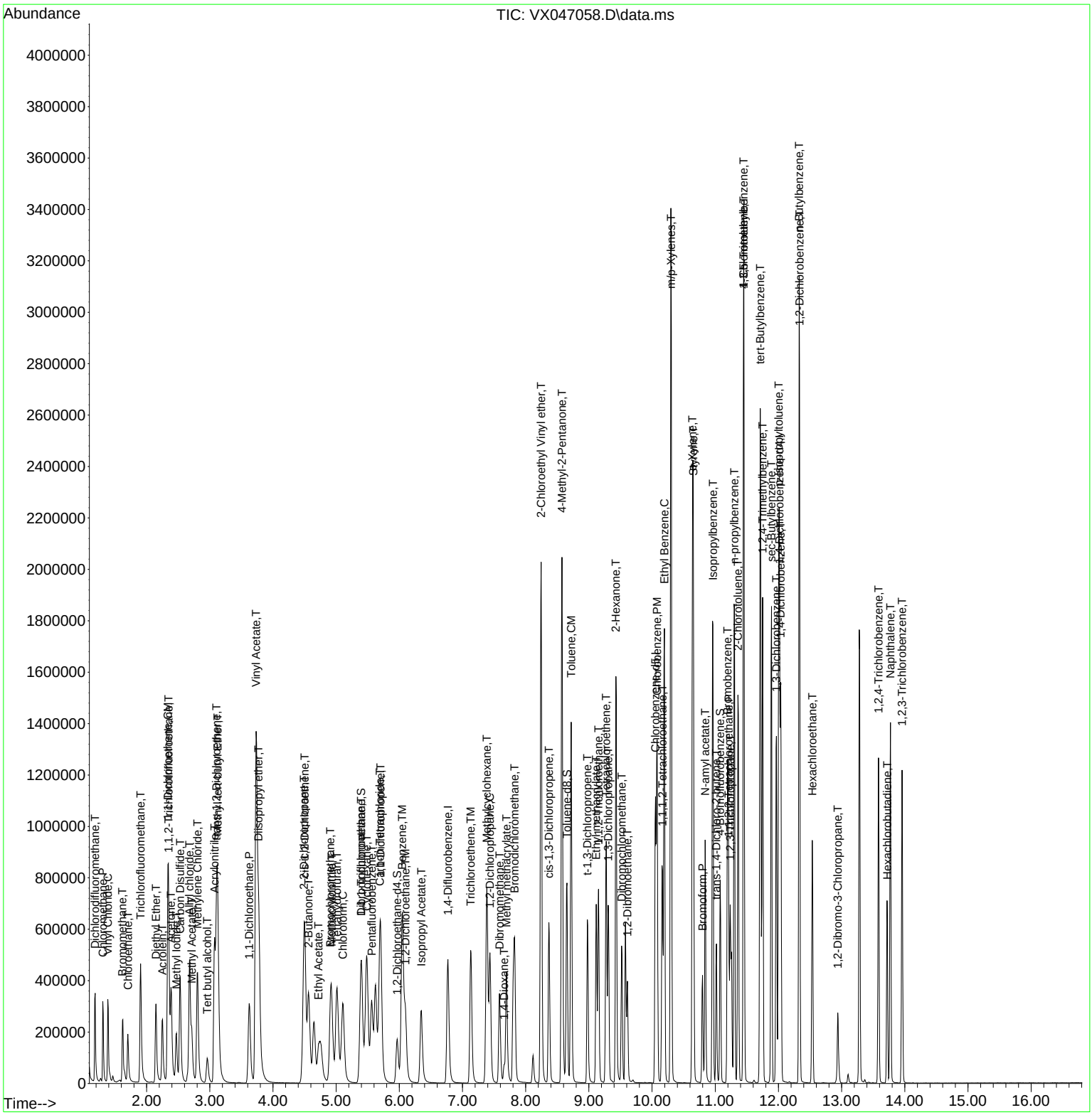
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	293211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	502636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	358189	98.067	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 196.140%#			
35) Dibromofluoromethane	5.397	113	304077	97.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 195.960%#			
50) Toluene-d8	8.653	98	951189	94.642	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 189.280%#			
62) 4-Bromofluorobenzene	11.079	95	418790	96.692	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 193.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	422702	108.536	ug/l	98
3) Chloromethane	1.307	50	390958	101.483	ug/l	99
4) Vinyl Chloride	1.386	62	420036	101.428	ug/l	98
5) Bromomethane	1.611	94	207177	92.097	ug/l	96
6) Chloroethane	1.697	64	248151	91.235	ug/l	98
7) Trichlorofluoromethane	1.898	101	618083	100.093	ug/l	99
8) Diethyl Ether	2.148	74	214962	98.730	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	367465	98.771	ug/l	100
10) Methyl Iodide	2.465	142	421251	111.100	ug/l	99
11) Tert butyl alcohol	2.965	59	207609	496.373	ug/l	98
12) 1,1-Dichloroethene	2.337	96	365672	99.237	ug/l	96
13) Acrolein	2.245	56	390297	496.280	ug/l	99
14) Allyl chloride	2.678	41	668038	100.294	ug/l	99
15) Acrylonitrile	3.075	53	895719	514.199	ug/l	99
16) Acetone	2.386	43	680698	465.214	ug/l	99
17) Carbon Disulfide	2.526	76	1045599	98.086	ug/l	100
18) Methyl Acetate	2.715	43	381521	98.118	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1109184	98.907	ug/l	100
20) Methylene Chloride	2.806	84	382904	95.122	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	370810	98.339	ug/l	97
22) Diisopropyl ether	3.770	45	1246566	97.342	ug/l	99
23) Vinyl Acetate	3.733	43	5255654	511.682	ug/l	100
24) 1,1-Dichloroethane	3.623	63	690059	96.903	ug/l	99
25) 2-Butanone	4.562	43	1064894	499.825	ug/l	99
26) 2,2-Dichloropropane	4.489	77	534633	96.986	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	433236	97.026	ug/l	99
28) Bromochloromethane	4.910	49	327531	99.974	ug/l	100
29) Tetrahydrofuran	5.013	42	696538	506.702	ug/l	99
30) Chloroform	5.105	83	688904	95.036	ug/l	98
31) Cyclohexane	5.483	56	644257	94.354	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	610295	96.931	ug/l	99
36) 1,1-Dichloropropene	5.702	75	486962	92.052	ug/l	99
37) Ethyl Acetate	4.721	43	464215	99.573	ug/l	99
38) Carbon Tetrachloride	5.690	117	534117	94.597	ug/l	99
39) Methylcyclohexane	7.385	83	643495	97.426	ug/l	98
40) Benzene	6.050	78	1458721	95.282	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	266722	104.648	ug/l		99
42) 1,2-Dichloroethane	6.092	62	514986	95.493	ug/l		99
43) Isopropyl Acetate	6.342	43	782743	103.002	ug/l		99
44) Trichloroethene	7.129	130	372515	94.887	ug/l		99
45) 1,2-Dichloropropane	7.434	63	364769	95.131	ug/l		97
46) Dibromomethane	7.586	93	262070	97.464	ug/l		100
47) Bromodichloromethane	7.824	83	545715	95.349	ug/l		98
48) Methyl methacrylate	7.696	41	406578	98.210	ug/l		100
49) 1,4-Dioxane	7.659	88	97685	2074.633	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	2213299	490.000	ug/l		100
52) Toluene	8.720	92	900379	95.648	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	550435	101.846	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	595662	100.700	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	333552	94.482	ug/l		99
56) Ethyl methacrylate	9.116	69	546929	104.649	ug/l		99
57) 1,3-Dichloropropane	9.311	76	579525	94.454	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1489901	512.296	ug/l		100
59) 2-Hexanone	9.433	43	1534390	514.162	ug/l		99
60) Dibromochloromethane	9.519	129	400453	96.718	ug/l		100
61) 1,2-Dibromoethane	9.610	107	350348	94.909	ug/l		99
64) Tetrachloroethene	9.275	164	299042	93.490	ug/l		96
65) Chlorobenzene	10.079	112	988883	95.134	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	338141	96.621	ug/l		99
67) Ethyl Benzene	10.195	91	1752485	96.425	ug/l		99
68) m/p-Xylenes	10.299	106	1302405	191.494	ug/l		99
69) o-Xylene	10.640	106	624795	96.565	ug/l		99
70) Styrene	10.652	104	1072801	96.694	ug/l		100
71) Bromoform	10.799	173	259124	97.473	ug/l	#	99
73) Isopropylbenzene	10.963	105	1645804	99.034	ug/l		100
74) N-amyl acetate	10.841	43	698465	105.369	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	457057	96.283	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	380871m	97.686	ug/l		
77) Bromobenzene	11.195	156	389788	97.789	ug/l		99
78) n-propylbenzene	11.305	91	1945548	97.969	ug/l		99
79) 2-Chlorotoluene	11.366	91	1150165	96.889	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	1340151	97.612	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	158030	104.426	ug/l		97
82) 4-Chlorotoluene	11.451	91	1340796	96.766	ug/l		99
83) tert-Butylbenzene	11.713	119	1347206	97.765	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	1346982	98.362	ug/l		99
85) sec-Butylbenzene	11.890	105	1682208	97.702	ug/l		100
86) p-Isopropyltoluene	12.006	119	1404678	98.379	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	717851	94.782	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	726014	94.617	ug/l		98
89) n-Butylbenzene	12.329	91	1323274	98.826	ug/l		100
90) Hexachloroethane	12.536	117	260929	102.152	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	684462	94.557	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	97209	106.683	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	481866	100.755	ug/l		100
94) Hexachlorobutadiene	13.725	225	165153	101.539	ug/l		98
95) Naphthalene	13.774	128	1474039	105.135	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	464244	100.760	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

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

ICAL Form

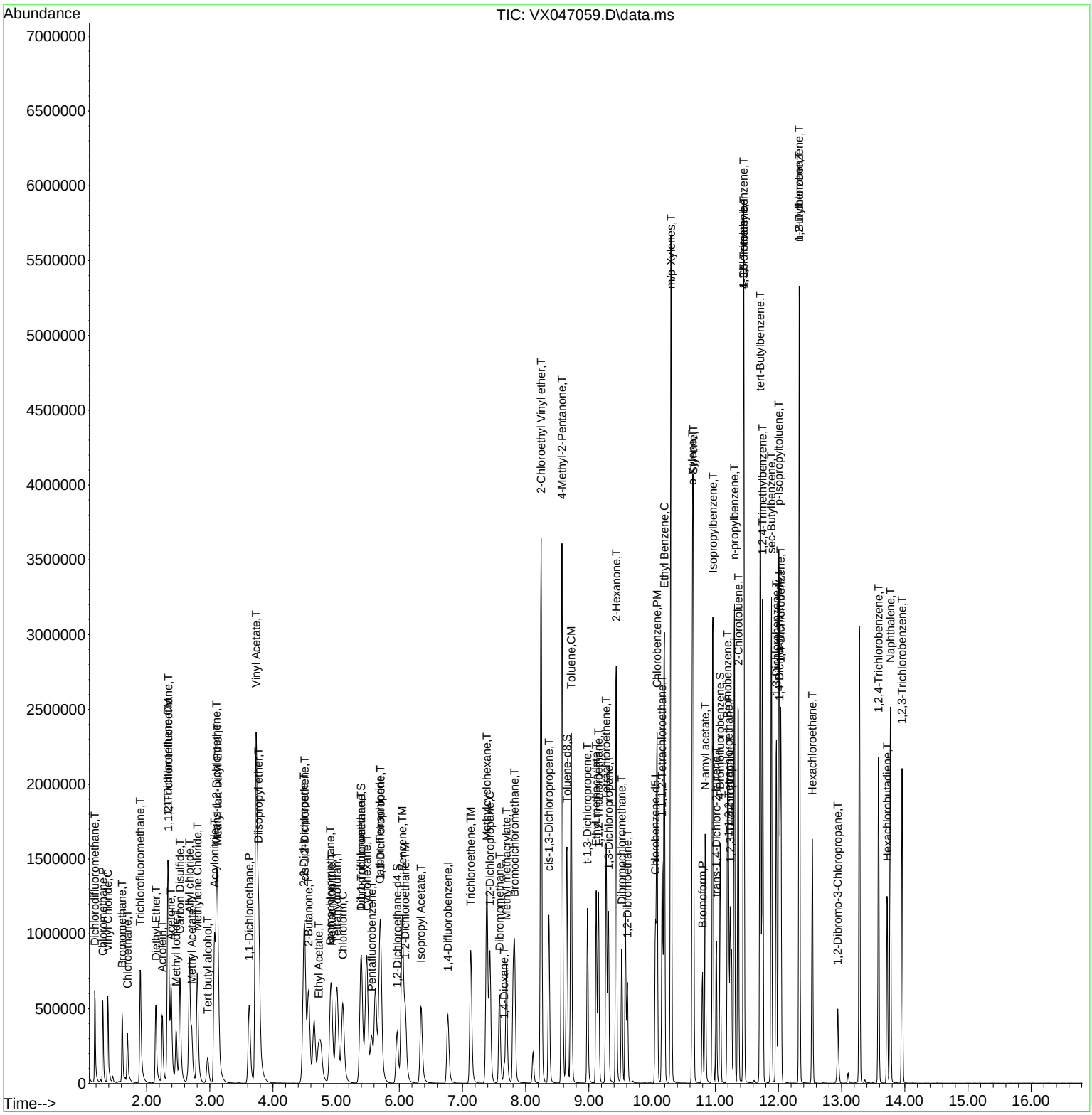
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.562	168	281238	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	475828	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	420817	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196123	50.000 ug/l	# 0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.964	65	547497	156.279 ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 312.560%#		
35) Dibromofluoromethane	5.397	113	468188	159.361 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 318.720%#		
50) Toluene-d8	8.653	98	1448057	152.197 ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 304.400%#		
62) 4-Bromofluorobenzene	11.079	95	635473	154.987 ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 309.980%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.179	85	614977	164.628 ug/l	99
3) Chloromethane	1.307	50	591309	160.024 ug/l	98
4) Vinyl Chloride	1.386	62	609982	153.566 ug/l	100
5) Bromomethane	1.612	94	260740	120.842 ug/l	96
6) Chloroethane	1.691	64	357637	137.087 ug/l	99
7) Trichlorofluoromethane	1.898	101	903925	152.614 ug/l	99
8) Diethyl Ether	2.148	74	312592	149.683 ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	532594	149.251 ug/l	99
10) Methyl Iodide	2.465	142	640817	176.203 ug/l	99
11) Tert butyl alcohol	2.971	59	299604	752.233 ug/l	97
12) 1,1-Dichloroethene	2.331	96	527730	149.314 ug/l	98
13) Acrolein	2.246	56	563218	746.645 ug/l	99
14) Allyl chloride	2.678	41	964459	150.960 ug/l	99
15) Acrylonitrile	3.075	53	1274179	762.599 ug/l	99
16) Acetone	2.392	43	975640	695.175 ug/l	100
17) Carbon Disulfide	2.526	76	1523226	148.974 ug/l	99
18) Methyl Acetate	2.715	43	558406	149.722 ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1616941	150.323 ug/l	99
20) Methylene Chloride	2.800	84	548865	142.156 ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	533003	147.371 ug/l	97
22) Diisopropyl ether	3.770	45	1792018	145.892 ug/l	97
23) Vinyl Acetate	3.733	43	7515505	762.847 ug/l	99
24) 1,1-Dichloroethane	3.623	63	1006940	147.421 ug/l	99
25) 2-Butanone	4.562	43	1525049	746.280 ug/l	98
26) 2,2-Dichloropropane	4.489	77	790347	149.478 ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	627302	146.469 ug/l	99
28) Bromochloromethane	4.910	49	464333	147.764 ug/l	100
29) Tetrahydrofuran	5.013	42	995703	755.168 ug/l	99
30) Chloroform	5.105	83	982491	141.308 ug/l	97
31) Cyclohexane	5.483	56	928560	141.781 ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	892102	147.721 ug/l	98
36) 1,1-Dichloropropene	5.702	75	707227	141.221 ug/l	99
37) Ethyl Acetate	4.721	43	664604	150.587 ug/l	99
38) Carbon Tetrachloride	5.690	117	771081	144.260 ug/l	99
39) Methylcyclohexane	7.385	83	932504	149.137 ug/l	98
40) Benzene	6.044	78	2112753	145.777 ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	373711	154.886	ug/l		98
42) 1,2-Dichloroethane	6.092	62	737991	144.555	ug/l		99
43) Isopropyl Acetate	6.342	43	1145157	159.182	ug/l		99
44) Trichloroethene	7.129	130	547123	147.215	ug/l		97
45) 1,2-Dichloropropane	7.434	63	529204	145.791	ug/l		97
46) Dibromomethane	7.586	93	381666	149.938	ug/l		99
47) Bromodichloromethane	7.824	83	794793	146.693	ug/l		99
48) Methyl methacrylate	7.696	41	589190	150.339	ug/l		99
49) 1,4-Dioxane	7.665	88	141473	3173.881	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	3143746	735.203	ug/l		100
52) Toluene	8.720	92	1298426	145.703	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	802670	156.884	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	876033	156.442	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	478247	143.101	ug/l		99
56) Ethyl methacrylate	9.116	69	791875	160.053	ug/l		99
57) 1,3-Dichloropropane	9.305	76	823631	141.802	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	2120903	770.350	ug/l		99
59) 2-Hexanone	9.433	43	2172764	769.096	ug/l		99
60) Dibromochloromethane	9.519	129	583183	148.786	ug/l		99
61) 1,2-Dibromoethane	9.610	107	500995	143.366	ug/l		99
64) Tetrachloroethene	9.275	164	433805	142.999	ug/l		98
65) Chlorobenzene	10.079	112	1432482	145.306	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	495347	149.242	ug/l		98
67) Ethyl Benzene	10.195	91	2508990	145.559	ug/l		100
68) m/p-Xylenes	10.299	106	1848008	286.495	ug/l		98
69) o-Xylene	10.640	106	897705	146.292	ug/l		100
70) Styrene	10.653	104	1538516	146.214	ug/l		99
71) Bromoform	10.799	173	377881	149.877	ug/l	#	100
73) Isopropylbenzene	10.963	105	2341028	151.299	ug/l		99
74) N-amyl acetate	10.842	43	1017450	164.856	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	649081	146.858	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	542883m	149.549	ug/l		
77) Bromobenzene	11.195	156	555966	149.806	ug/l		99
78) n-propylbenzene	11.305	91	2790577	150.924	ug/l		99
79) 2-Chlorotoluene	11.366	91	1641174	148.487	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	1921023	150.280	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	234105	166.150	ug/l		95
82) 4-Chlorotoluene	11.451	91	1901346	147.381	ug/l		99
83) tert-Butylbenzene	11.713	119	1941048	151.288	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	1923088	150.829	ug/l		100
85) sec-Butylbenzene	11.890	105	2386553	148.873	ug/l		100
86) p-Isopropyltoluene	12.006	119	2001346	150.546	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	1044993	148.192	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	1039670	145.525	ug/l		98
89) n-Butylbenzene	12.329	91	1874924	150.392	ug/l		99
90) Hexachloroethane	12.536	117	376780	158.429	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	994860	147.614	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	142395	167.843	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	691853	155.373	ug/l		100
94) Hexachlorobutadiene	13.725	225	224504	148.249	ug/l		97
95) Naphthalene	13.774	128	2171681	166.363	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	662501	154.436	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

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

ICAL Form

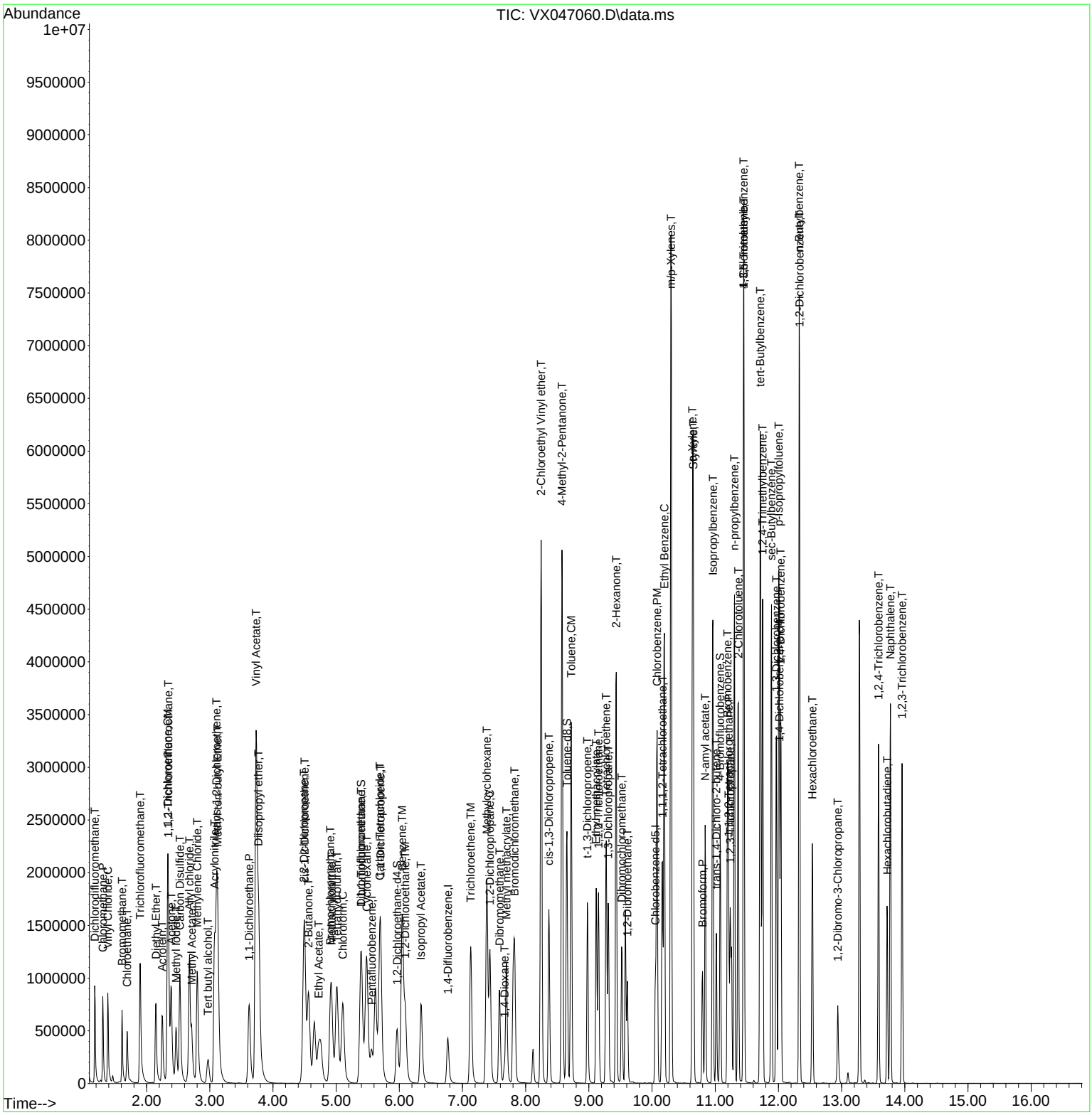
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	353932	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	594788	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	516907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	245093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176451	40.022	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.040%		
35) Dibromofluoromethane	5.385	113	155150	42.247	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.500%		
50) Toluene-d8	8.647	98	476939	40.102	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	80.200%#		
62) 4-Bromofluorobenzene	11.079	95	209003	40.779	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.560%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	240944	51.252	ug/l	99
3) Chloromethane	1.307	50	220344	47.383	ug/l	100
4) Vinyl Chloride	1.386	62	244133	48.838	ug/l	100
5) Bromomethane	1.618	94	153243	56.435	ug/l	97
6) Chloroethane	1.703	64	146679	44.676	ug/l	96
7) Trichlorofluoromethane	1.904	101	354446	47.552	ug/l	96
8) Diethyl Ether	2.142	74	122150	46.477	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	211536	47.104	ug/l	99
10) Methyl Iodide	2.465	142	206176	45.047	ug/l	97
11) Tert butyl alcohol	2.953	59	107694	207.194	ug/l	99
12) 1,1-Dichloroethene	2.331	96	207074	46.555	ug/l	98
13) Acrolein	2.245	56	197909	208.477	ug/l	99
14) Allyl chloride	2.678	41	375824	46.743	ug/l	99
15) Acrylonitrile	3.069	53	485401	230.845	ug/l	100
16) Acetone	2.386	43	407681	230.823	ug/l	95
17) Carbon Disulfide	2.526	76	588590	45.742	ug/l	99
18) Methyl Acetate	2.709	43	206733	44.045	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	613097	45.291	ug/l	98
20) Methylene Chloride	2.800	84	218853	45.041	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	210229	46.188	ug/l	98
22) Diisopropyl ether	3.764	45	712919	46.119	ug/l	96
23) Vinyl Acetate	3.727	43	2900485	233.940	ug/l	100
24) 1,1-Dichloroethane	3.617	63	388232	45.165	ug/l	100
25) 2-Butanone	4.556	43	562934	218.892	ug/l	100
26) 2,2-Dichloropropane	4.483	77	308018	46.290	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	242036	44.906	ug/l	99
28) Bromochloromethane	4.904	49	186533	47.168	ug/l	100
29) Tetrahydrofuran	5.001	42	360837	217.460	ug/l	99
30) Chloroform	5.093	83	382651	43.731	ug/l	100
31) Cyclohexane	5.477	56	359502	43.618	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	336918	44.331	ug/l	99
36) 1,1-Dichloropropene	5.696	75	272074	43.463	ug/l	99
37) Ethyl Acetate	4.715	43	244468	42.381	ug/l	99
38) Carbon Tetrachloride	5.678	117	295708	44.259	ug/l	98
39) Methylcyclohexane	7.379	83	344962	44.136	ug/l	99
40) Benzene	6.038	78	802625	44.304	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	138183	45.816	ug/l	97
42) 1,2-Dichloroethane	6.086	62	283205	44.378	ug/l	99
43) Isopropyl Acetate	6.336	43	409733	45.564	ug/l	99
44) Trichloroethene	7.123	130	202817	43.658	ug/l	98
45) 1,2-Dichloropropane	7.428	63	200065	44.093	ug/l	98
46) Dibromomethane	7.580	93	143569	45.121	ug/l	99
47) Bromodichloromethane	7.818	83	301133	44.463	ug/l	99
48) Methyl methacrylate	7.690	41	208228	42.505	ug/l	99
49) 1,4-Dioxane	7.653	88	51080m	916.760	ug/l	
51) 4-Methyl-2-Pentanone	8.568	43	1164013	217.774	ug/l	100
52) Toluene	8.714	92	498799	44.778	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	290633	45.444	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	322967	46.140	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	180762	43.270	ug/l	99
56) Ethyl methacrylate	9.116	69	286552	46.334	ug/l	100
57) 1,3-Dichloropropane	9.305	76	314736	43.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	774980	225.188	ug/l	100
59) 2-Hexanone	9.427	43	807822	228.755	ug/l	100
60) Dibromochloromethane	9.519	129	216749	44.239	ug/l	100
61) 1,2-Dibromoethane	9.604	107	188713	43.202	ug/l	99
64) Tetrachloroethene	9.269	164	164447	44.131	ug/l	96
65) Chlorobenzene	10.073	112	536664	44.318	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	181544	44.529	ug/l	99
67) Ethyl Benzene	10.189	91	952288	44.977	ug/l	100
68) m/p-Xylenes	10.299	106	709639	89.564	ug/l	100
69) o-Xylene	10.640	106	341662	45.328	ug/l	99
70) Styrene	10.653	104	589610	45.618	ug/l	100
71) Bromoform	10.799	173	136594	44.106	ug/l	100
73) Isopropylbenzene	10.957	105	903154	46.708	ug/l	100
74) N-amyl acetate	10.842	43	360744	46.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	248756	45.037	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	209195m	46.113	ug/l	
77) Bromobenzene	11.195	156	215391	46.441	ug/l	98
78) n-propylbenzene	11.299	91	1081658	46.812	ug/l	100
79) 2-Chlorotoluene	11.360	91	631252	45.702	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	737827	46.187	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	79906	45.380	ug/l	97
82) 4-Chlorotoluene	11.451	91	749299	46.476	ug/l	99
83) tert-Butylbenzene	11.713	119	752650	46.942	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	744757	46.741	ug/l	99
85) sec-Butylbenzene	11.890	105	934198	46.632	ug/l	99
86) p-Isopropyltoluene	12.006	119	773508	46.560	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	400520	45.450	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	398497	44.634	ug/l	98
89) n-Butylbenzene	12.329	91	735386	47.201	ug/l	99
90) Hexachloroethane	12.536	117	138697	46.667	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	373286	44.320	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47608	44.904	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	261487	46.990	ug/l	99
94) Hexachlorobutadiene	13.725	225	86113	45.502	ug/l	99
95) Naphthalene	13.774	128	755367	46.304	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	241137	44.980	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

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

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

ICAL Form

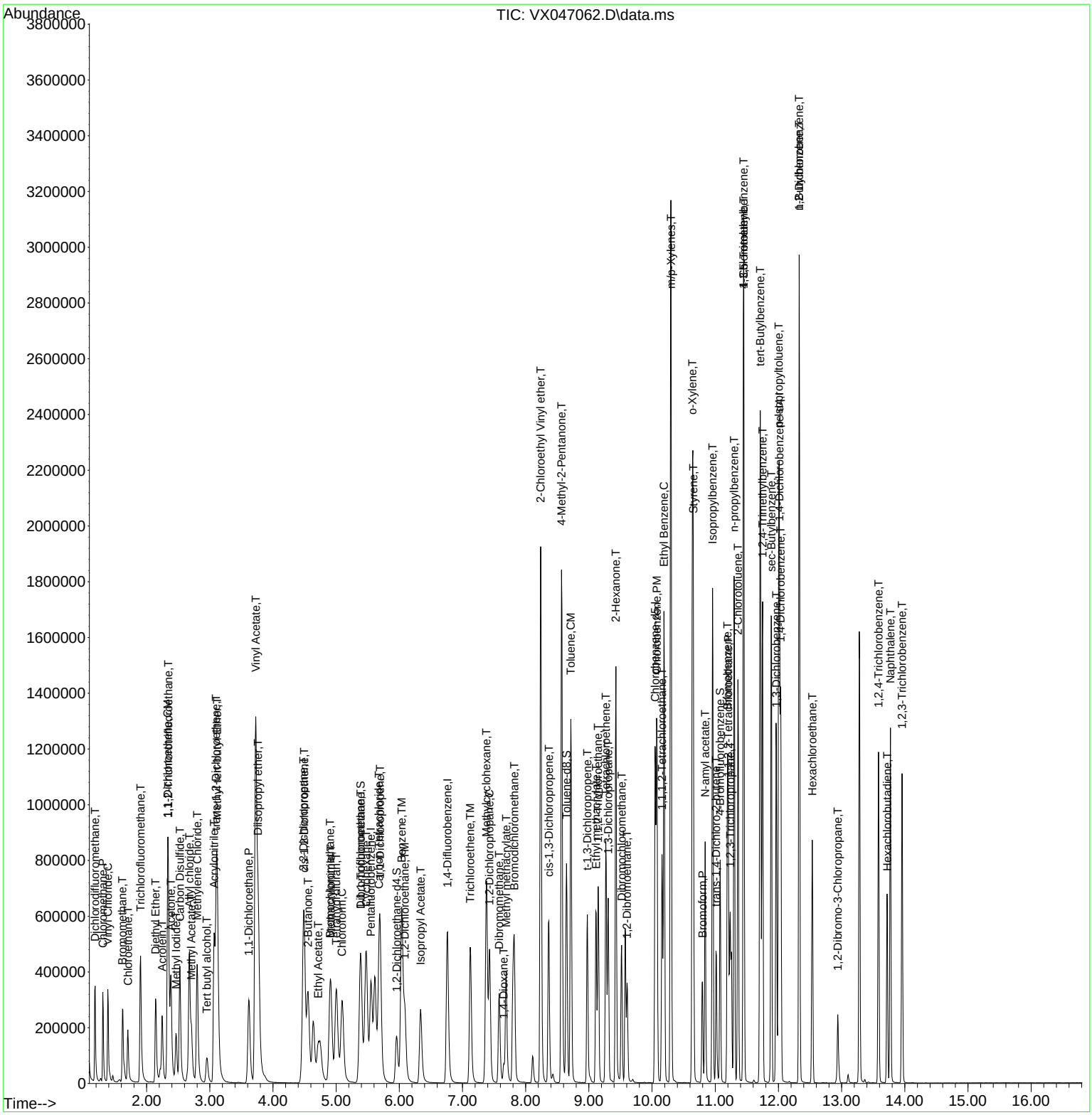
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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	114	-0.01
2	T	Dichlorodifluoromethane	50.000	51.252	-2.5	101	0.00
3	P	Chloromethane	50.000	47.383	5.2	102	0.00
4	C	Vinyl Chloride	50.000	48.838	2.3#	101	0.00
5	T	Bromomethane	50.000	56.435	-12.9	110	0.00
6	T	Chloroethane	50.000	44.676	10.6	101	0.00
7	T	Trichlorofluoromethane	50.000	47.552	4.9	99	0.00
8	T	Diethyl Ether	50.000	46.477	7.0	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.104	5.8	101	0.00
10	T	Methyl Iodide	50.000	45.047	9.9	91	0.00
11	T	Tert butyl alcohol	250.000	207.194	17.1	95	0.00
12	CM	1,1-Dichloroethene	50.000	46.555	6.9#	99	0.00
13	T	Acrolein	250.000	208.477	16.6	92	0.00
14	T	Allyl chloride	50.000	46.743	6.5	98	0.00
15	T	Acrylonitrile	250.000	230.845	7.7	95	0.00
16	T	Acetone	250.000	230.823	7.7	105	0.00
17	T	Carbon Disulfide	50.000	45.742	8.5	98	0.00
18	T	Methyl Acetate	50.000	44.045	11.9	97	0.00
19	T	Methyl tert-butyl Ether	50.000	45.291	9.4	96	0.00
20	T	Methylene Chloride	50.000	45.041	9.9	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.188	7.6	98	0.00
22	T	Diisopropyl ether	50.000	46.119	7.8	97	0.00
23	T	Vinyl Acetate	250.000	233.940	6.4	97	0.00
24	P	1,1-Dichloroethane	50.000	45.165	9.7	96	0.00
25	T	2-Butanone	250.000	218.892	12.4	93	0.00
26	T	2,2-Dichloropropane	50.000	46.290	7.4	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	44.906	10.2	97	0.00
28	T	Bromochloromethane	50.000	47.168	5.7	99	0.00
29	T	Tetrahydrofuran	250.000	217.460	13.0	91	-0.01
30	C	Chloroform	50.000	43.731	12.5#	96	-0.01
31	T	Cyclohexane	50.000	43.618	12.8	96	0.00
32	T	1,1,1-Trichloroethane	50.000	44.331	11.3	97	-0.01
33	S	1,2-Dichloroethane-d4	50.000	40.022	20.0	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	115	0.00
35	S	Dibromofluoromethane	50.000	42.247	15.5	102	-0.01
36	T	1,1-Dichloropropene	50.000	43.463	13.1	96	0.00
37	T	Ethyl Acetate	50.000	42.381	15.2	93	0.00
38	T	Carbon Tetrachloride	50.000	44.259	11.5	96	-0.01
39	T	Methylcyclohexane	50.000	44.136	11.7	96	0.00
40	TM	Benzene	50.000	44.304	11.4	94	0.00
41	T	Methacrylonitrile	50.000	45.816	8.4	92	-0.01
42	TM	1,2-Dichloroethane	50.000	44.378	11.2	95	-0.01
43	T	Isopropyl Acetate	50.000	45.564	8.9	93	-0.01
44	TM	Trichloroethene	50.000	43.658	12.7	94	0.00
45	C	1,2-Dichloropropane	50.000	44.093	11.8#	95	0.00
46	T	Dibromomethane	50.000	45.121	9.8	95	0.00
47	T	Bromodichloromethane	50.000	44.463	11.1	94	0.00
48	T	Methyl methacrylate	50.000	42.505	15.0	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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	916.760	8.3	95	0.00
50	S	Toluene-d8	50.000	40.102	19.8	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	217.774	12.9	91	0.00
52	CM	Toluene	50.000	44.778	10.4#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	45.444	9.1	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.140	7.7	96	0.00
55	T	1,1,2-Trichloroethane	50.000	43.270	13.5	93	0.00
56	T	Ethyl methacrylate	50.000	46.334	7.3	93	0.00
57	T	1,3-Dichloropropane	50.000	43.350	13.3	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	225.188	9.9	93	0.00
59	T	2-Hexanone	250.000	228.755	8.5	91	0.00
60	T	Dibromochloromethane	50.000	44.239	11.5	95	0.00
61	T	1,2-Dibromoethane	50.000	43.202	13.6	92	0.00
62	S	4-Bromofluorobenzene	50.000	40.779	18.4	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	111	0.00
64	T	Tetrachloroethene	50.000	44.131	11.7	94	0.00
65	PM	Chlorobenzene	50.000	44.318	11.4	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	44.529	10.9	93	0.00
67	C	Ethyl Benzene	50.000	44.977	10.0#	93	0.00
68	T	m/p-Xylenes	100.000	89.564	10.4	93	0.00
69	T	o-Xylene	50.000	45.328	9.3	94	0.00
70	T	Styrene	50.000	45.618	8.8	93	0.00
71	P	Bromoform	50.000	44.106	11.8	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	110	0.00
73	T	Isopropylbenzene	50.000	46.708	6.6	94	0.00
74	T	N-amyl acetate	50.000	46.238	7.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.037	9.9	92	0.00
76	T	1,2,3-Trichloropropane	50.000	46.113	7.8	94	0.00
77	T	Bromobenzene	50.000	46.441	7.1	95	0.00
78	T	n-propylbenzene	50.000	46.812	6.4	94	0.00
79	T	2-Chlorotoluene	50.000	45.702	8.6	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.187	7.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.380	9.2	91	0.00
82	T	4-Chlorotoluene	50.000	46.476	7.0	94	0.00
83	T	tert-Butylbenzene	50.000	46.942	6.1	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.741	6.5	93	0.00
85	T	sec-Butylbenzene	50.000	46.632	6.7	95	0.00
86	T	p-Isopropyltoluene	50.000	46.560	6.9	93	0.00
87	T	1,3-Dichlorobenzene	50.000	45.450	9.1	94	0.00
88	T	1,4-Dichlorobenzene	50.000	44.634	10.7	94	0.00
89	T	n-Butylbenzene	50.000	47.201	5.6	95	0.00
90	T	Hexachloroethane	50.000	46.667	6.7	95	0.00
91	T	1,2-Dichlorobenzene	50.000	44.320	11.4	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.904	10.2	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.990	6.0	95	0.00
94	T	Hexachlorobutadiene	50.000	45.502	9.0	95	0.00
95	T	Naphthalene	50.000	46.304	7.4	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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	44.980	10.0	92	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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	114	-0.01
2	T	Dichlorodifluoromethane	0.664	0.681	-2.6	101	0.00
3	P	Chloromethane	0.657	0.623	5.2	102	0.00
4	C	Vinyl Chloride	0.706	0.690	2.3#	101	0.00
5	T	Bromomethane	0.384	0.433	-12.8	110	0.00
6	T	Chloroethane	0.464	0.414	10.8	101	0.00
7	T	Trichlorofluoromethane	1.053	1.001	4.9	99	0.00
8	T	Diethyl Ether	0.371	0.345	7.0	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.598	5.7	101	0.00
10	T	Methyl Iodide	0.647	0.583	9.9	91	0.00
11	T	Tert butyl alcohol	0.080	0.061	23.8	95	0.00
12	CM	1,1-Dichloroethene	0.628	0.585	6.8#	99	0.00
13	T	Acrolein	0.134	0.112	16.4	92	0.00
14	T	Allyl chloride	1.136	1.062	6.5	98	0.00
15	T	Acrylonitrile	0.297	0.274	7.7	95	0.00
16	T	Acetone	0.250	0.230	8.0	105	0.00
17	T	Carbon Disulfide	1.818	1.663	8.5	98	0.00
18	T	Methyl Acetate	0.663	0.584	11.9	97	0.00
19	T	Methyl tert-butyl Ether	1.912	1.732	9.4	96	0.00
20	T	Methylene Chloride	0.686	0.618	9.9	98	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.594	7.6	98	0.00
22	T	Diisopropyl ether	2.184	2.014	7.8	97	0.00
23	T	Vinyl Acetate	1.752	1.639	6.4	97	0.00
24	P	1,1-Dichloroethane	1.214	1.097	9.6	96	0.00
25	T	2-Butanone	0.363	0.318	12.4	93	0.00
26	T	2,2-Dichloropropane	0.940	0.870	7.4	102	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.684	10.1	97	0.00
28	T	Bromochloromethane	0.559	0.527	5.7	99	0.00
29	T	Tetrahydrofuran	0.234	0.204	12.8	91	-0.01
30	C	Chloroform	1.236	1.081	12.5#	96	-0.01
31	T	Cyclohexane	1.164	1.016	12.7	96	0.00
32	T	1,1,1-Trichloroethane	1.074	0.952	11.4	97	-0.01
33	S	1,2-Dichloroethane-d4	0.623	0.499	19.9	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
35	S	Dibromofluoromethane	0.309	0.261	15.5	102	-0.01
36	T	1,1-Dichloropropene	0.526	0.457	13.1	96	0.00
37	T	Ethyl Acetate	0.485	0.411	15.3	93	0.00
38	T	Carbon Tetrachloride	0.562	0.497	11.6	96	-0.01
39	T	Methylcyclohexane	0.657	0.580	11.7	96	0.00
40	TM	Benzene	1.523	1.349	11.4	94	0.00
41	T	Methacrylonitrile	0.254	0.232	8.7	92	-0.01
42	TM	1,2-Dichloroethane	0.536	0.476	11.2	95	-0.01
43	T	Isopropyl Acetate	0.756	0.689	8.9	93	-0.01
44	TM	Trichloroethene	0.391	0.341	12.8	94	0.00
45	C	1,2-Dichloropropane	0.381	0.336	11.8#	95	0.00
46	T	Dibromomethane	0.267	0.241	9.7	95	0.00
47	T	Bromodichloromethane	0.569	0.506	11.1	94	0.00
48	T	Methyl methacrylate	0.412	0.350	15.0	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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	0.005	0.004	20.0	95	0.00
50	S	Toluene-d8	1.000	0.802	19.8	100	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.391	12.9	91	0.00
52	CM	Toluene	0.936	0.839	10.4#	95	0.00
53	T	t-1,3-Dichloropropene	0.538	0.489	9.1	95	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.543	7.7	96	0.00
55	T	1,1,2-Trichloroethane	0.351	0.304	13.4	93	0.00
56	T	Ethyl methacrylate	0.520	0.482	7.3	93	0.00
57	T	1,3-Dichloropropane	0.610	0.529	13.3	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.261	9.7	93	0.00
59	T	2-Hexanone	0.297	0.272	8.4	91	0.00
60	T	Dibromochloromethane	0.412	0.364	11.7	95	0.00
61	T	1,2-Dibromoethane	0.367	0.317	13.6	92	0.00
62	S	4-Bromofluorobenzene	0.431	0.351	18.6	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00
64	T	Tetrachloroethene	0.360	0.318	11.7	94	0.00
65	PM	Chlorobenzene	1.171	1.038	11.4	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.351	10.9	93	0.00
67	C	Ethyl Benzene	2.048	1.842	10.1#	93	0.00
68	T	m/p-Xylenes	0.766	0.686	10.4	93	0.00
69	T	o-Xylene	0.729	0.661	9.3	94	0.00
70	T	Styrene	1.250	1.141	8.7	93	0.00
71	P	Bromoform	0.300	0.264	12.0	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
73	T	Isopropylbenzene	3.945	3.685	6.6	94	0.00
74	T	N-amyl acetate	1.592	1.472	7.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.015	9.9	92	0.00
76	T	1,2,3-Trichloropropane	0.925	0.854	7.7	94	0.00
77	T	Bromobenzene	0.946	0.879	7.1	95	0.00
78	T	n-propylbenzene	4.714	4.413	6.4	94	0.00
79	T	2-Chlorotoluene	2.818	2.576	8.6	93	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.010	7.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.326	9.2	91	0.00
82	T	4-Chlorotoluene	3.289	3.057	7.1	94	0.00
83	T	tert-Butylbenzene	3.271	3.071	6.1	94	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.039	6.5	93	0.00
85	T	sec-Butylbenzene	4.087	3.812	6.7	95	0.00
86	T	p-Isopropyltoluene	3.389	3.156	6.9	93	0.00
87	T	1,3-Dichlorobenzene	1.798	1.634	9.1	94	0.00
88	T	1,4-Dichlorobenzene	1.821	1.626	10.7	94	0.00
89	T	n-Butylbenzene	3.178	3.000	5.6	95	0.00
90	T	Hexachloroethane	0.606	0.566	6.6	95	0.00
91	T	1,2-Dichlorobenzene	1.718	1.523	11.4	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.194	10.2	89	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.067	6.0	95	0.00
94	T	Hexachlorobutadiene	0.386	0.351	9.1	95	0.00
95	T	Naphthalene	3.328	3.082	7.4	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 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	1.094	0.984	10.1	92	0.00

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

Raw Data: **VX047251.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG No.: Q2790
Instrument ID: MSVOA_X
Calibration Date/Time: 08/07/2025 10:15
Lab File ID: VX047251.D
Init. Calib. Date(s): 07/21/2025 07/21/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:47 11:32
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.664	0.856		28.92	20
Chloromethane	0.657	0.720	0.1	9.59	20
Vinyl Chloride	0.706	0.878		24.36	20
Bromomethane	0.384	0.386		0.52	20
Chloroethane	0.464	0.481		3.66	20
Trichlorofluoromethane	1.053	1.244		18.14	20
1,1,2-Trichlorotrifluoroethane	0.634	0.718		13.25	20
1,1-Dichloroethene	0.628	0.717		14.17	20
Acetone	0.250	0.291		16.4	20
Carbon Disulfide	1.818	2.019		11.06	20
Methyl tert-butyl Ether	1.912	2.101		9.89	20
Methyl Acetate	0.663	0.726		9.5	20
Methylene Chloride	0.686	0.742		8.16	20
trans-1,2-Dichloroethene	0.643	0.723		12.44	20
1,1-Dichloroethane	1.214	1.323	0.1	8.98	20
Cyclohexane	1.164	1.224		5.16	20
2-Butanone	0.363	0.380		4.68	20
Carbon Tetrachloride	0.562	0.601		6.94	20
cis-1,2-Dichloroethene	0.761	0.812		6.7	20
Bromochloromethane	0.559	0.553		-1.07	20
Chloroform	1.236	1.320		6.8	20
1,1,1-Trichloroethane	1.074	1.151		7.17	20
Methylcyclohexane	0.657	0.699		6.39	20
Benzene	1.523	1.643		7.88	20
1,2-Dichloroethane	0.536	0.576		7.46	20
Trichloroethene	0.391	0.413		5.63	20
1,2-Dichloropropane	0.381	0.407		6.82	20
Bromodichloromethane	0.569	0.607		6.68	20
4-Methyl-2-Pentanone	0.449	0.459		2.23	20
Toluene	0.936	1.010		7.91	20
t-1,3-Dichloropropene	0.538	0.576		7.06	20
cis-1,3-Dichloropropene	0.588	0.639		8.67	20
1,1,2-Trichloroethane	0.351	0.371		5.7	20
2-Hexanone	0.297	0.312		5.05	20
Dibromochloromethane	0.412	0.434		5.34	20
1,2-Dibromoethane	0.367	0.379		3.27	20
Tetrachloroethene	0.360	0.389		8.06	20
Chlorobenzene	1.171	1.263	0.3	7.86	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Raw Data: **VX047251.D**

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	GARD04		
Lab Code:	ACE	SDG No.:	Q2790		
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/07/2025	10:15	
Lab File ID:	VX047251.D	Init. Calib. Date(s):	07/21/2025	07/21/2025	
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47	11:32	

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.048	2.228		8.79	20
m/p-Xylenes	0.766	0.834		8.88	20
o-Xylene	0.729	0.805		10.43	20
Styrene	1.250	1.389		11.12	20
Bromoform	0.300	0.318	0.1	6	20
Isopropylbenzene	3.945	4.376		10.93	20
1,1,2,2-Tetrachloroethane	1.127	1.199	0.3	6.39	20
1,3-Dichlorobenzene	1.798	1.892		5.23	20
1,4-Dichlorobenzene	1.821	1.924		5.66	20
1,2-Dichlorobenzene	1.718	1.815		5.65	20
1,2-Dibromo-3-Chloropropane	0.216	0.228		5.56	20
1,2,4-Trichlorobenzene	1.135	1.177		3.7	20
1,2,3-Trichlorobenzene	1.094	1.139		4.11	20
1,2-Dichloroethane-d4	0.623	0.561		-9.95	20
Dibromofluoromethane	0.309	0.295		-4.53	20
Toluene-d8	1.000	0.849		-15.1	20
4-Bromofluorobenzene	0.431	0.393		-8.82	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\VX080725\
Data File : VX047251.D
Acq On : 07 Aug 2025 10:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 02:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	260367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	434515	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	373271	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	180150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146108	45.048	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.100%			
35) Dibromofluoromethane	5.385	113	128161	47.771	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.540%			
50) Toluene-d8	8.647	98	368982	42.469	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 84.940%#			
62) 4-Bromofluorobenzene	11.079	95	170972	45.663	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	222777	64.417	ug/l	98
3) Chloromethane	1.313	50	187533	54.820	ug/l	99
4) Vinyl Chloride	1.392	62	228546	62.150	ug/l	99
5) Bromomethane	1.630	94	100471	50.297	ug/l	95
6) Chloroethane	1.703	64	125323	51.889	ug/l	100
7) Trichlorofluoromethane	1.904	101	323982	59.084	ug/l	100
8) Diethyl Ether	2.142	74	106535	55.103	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	186978	56.598	ug/l	100
10) Methyl Iodide	2.465	142	273391	81.199	ug/l	97
11) Tert butyl alcohol	2.959	59	98296	259.655	ug/l	100
12) 1,1-Dichloroethene	2.337	96	186671	57.050	ug/l	98
13) Acrolein	2.245	56	162595	232.827	ug/l	99
14) Allyl chloride	2.678	41	302714	51.180	ug/l	93
15) Acrylonitrile	3.075	53	401009	259.244	ug/l	99
16) Acetone	2.386	43	379192	291.845	ug/l	99
17) Carbon Disulfide	2.526	76	525659	55.531	ug/l	98
18) Methyl Acetate	2.709	43	188990	54.735	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	546954	54.925	ug/l	98
20) Methylene Chloride	2.800	84	193307	54.080	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	188280	56.231	ug/l	97
22) Diisopropyl ether	3.763	45	625546	55.009	ug/l	97
23) Vinyl Acetate	3.727	43	2555373	280.170	ug/l	100
24) 1,1-Dichloroethane	3.623	63	344415	54.466	ug/l	98
25) 2-Butanone	4.556	43	495194	261.747	ug/l	100
26) 2,2-Dichloropropane	4.483	77	266684	54.481	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	211399	53.316	ug/l	98
28) Bromochloromethane	4.903	49	144091	49.530	ug/l	100
29) Tetrahydrofuran	5.019	42	298547	244.577	ug/l	97
30) Chloroform	5.099	83	343685	53.393	ug/l	99
31) Cyclohexane	5.477	56	318662	52.557	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	299752	53.614	ug/l	99
36) 1,1-Dichloropropene	5.702	75	242698	53.070	ug/l	99
37) Ethyl Acetate	4.714	43	222760	52.863	ug/l	99
38) Carbon Tetrachloride	5.684	117	261258	53.526	ug/l	98
39) Methylcyclohexane	7.385	83	303930	53.230	ug/l	97
40) Benzene	6.043	78	713755	53.931	ug/l	98

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 02:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	103241	46.857	ug/l		92
42) 1,2-Dichloroethane	6.086	62	250190	53.666	ug/l		99
43) Isopropyl Acetate	6.342	43	353618	53.828	ug/l		99
44) Trichloroethene	7.129	130	179627	52.928	ug/l		99
45) 1,2-Dichloropropane	7.433	63	176851	53.353	ug/l		94
46) Dibromomethane	7.580	93	126703	54.508	ug/l		100
47) Bromodichloromethane	7.824	83	263921	53.343	ug/l		96
48) Methyl methacrylate	7.696	41	183683	51.325	ug/l		100
49) 1,4-Dioxane	7.720	88	38664	949.881	ug/l	#	72
51) 4-Methyl-2-Pentanone	8.574	43	996971	255.322	ug/l		99
52) Toluene	8.720	92	438755	53.916	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	250144	53.540	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	277637	54.294	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	161200	52.820	ug/l		99
56) Ethyl methacrylate	9.116	69	247637	54.811	ug/l		99
57) 1,3-Dichloropropane	9.305	76	277752	52.367	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	650118	258.586	ug/l		100
59) 2-Hexanone	9.427	43	677660	262.679	ug/l		99
60) Dibromochloromethane	9.518	129	188532	52.673	ug/l		99
61) 1,2-Dibromoethane	9.610	107	164467	51.539	ug/l		99
64) Tetrachloroethene	9.275	164	145026	53.896	ug/l		99
65) Chlorobenzene	10.079	112	471465	53.915	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	162030	55.036	ug/l		99
67) Ethyl Benzene	10.189	91	831560	54.388	ug/l		99
68) m/p-Xylenes	10.299	106	622294	108.762	ug/l		100
69) o-Xylene	10.640	106	300308	55.172	ug/l		98
70) Styrene	10.652	104	518432	55.545	ug/l		99
71) Bromoform	10.799	173	118732	53.091	ug/l		99
73) Isopropylbenzene	10.957	105	788393	55.471	ug/l		100
74) N-amyl acetate	10.841	43	305156	53.213	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	216034	53.213	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	177448m	53.216	ug/l		
77) Bromobenzene	11.195	156	183675	53.880	ug/l		99
78) n-propylbenzene	11.299	91	936786	55.157	ug/l		100
79) 2-Chlorotoluene	11.360	91	543767	53.560	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	643990	54.846	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	54406	42.037	ug/l		99
82) 4-Chlorotoluene	11.451	91	641613	54.144	ug/l		99
83) tert-Butylbenzene	11.713	119	643156	54.573	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	643223	54.922	ug/l		100
85) sec-Butylbenzene	11.890	105	796254	54.074	ug/l		100
86) p-Isopropyltoluene	12.006	119	664203	54.393	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	340795	52.614	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	346568	52.811	ug/l		98
89) n-Butylbenzene	12.329	91	621161	54.242	ug/l		99
90) Hexachloroethane	12.536	117	117840	53.943	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	326988	52.819	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41067	52.698	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	212005	51.832	ug/l		98
94) Hexachlorobutadiene	13.725	225	75260	54.104	ug/l		97
95) Naphthalene	13.774	128	639669	53.347	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	205163	52.066	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047251.D
Acq On : 07 Aug 2025 10:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 02:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025

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

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

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Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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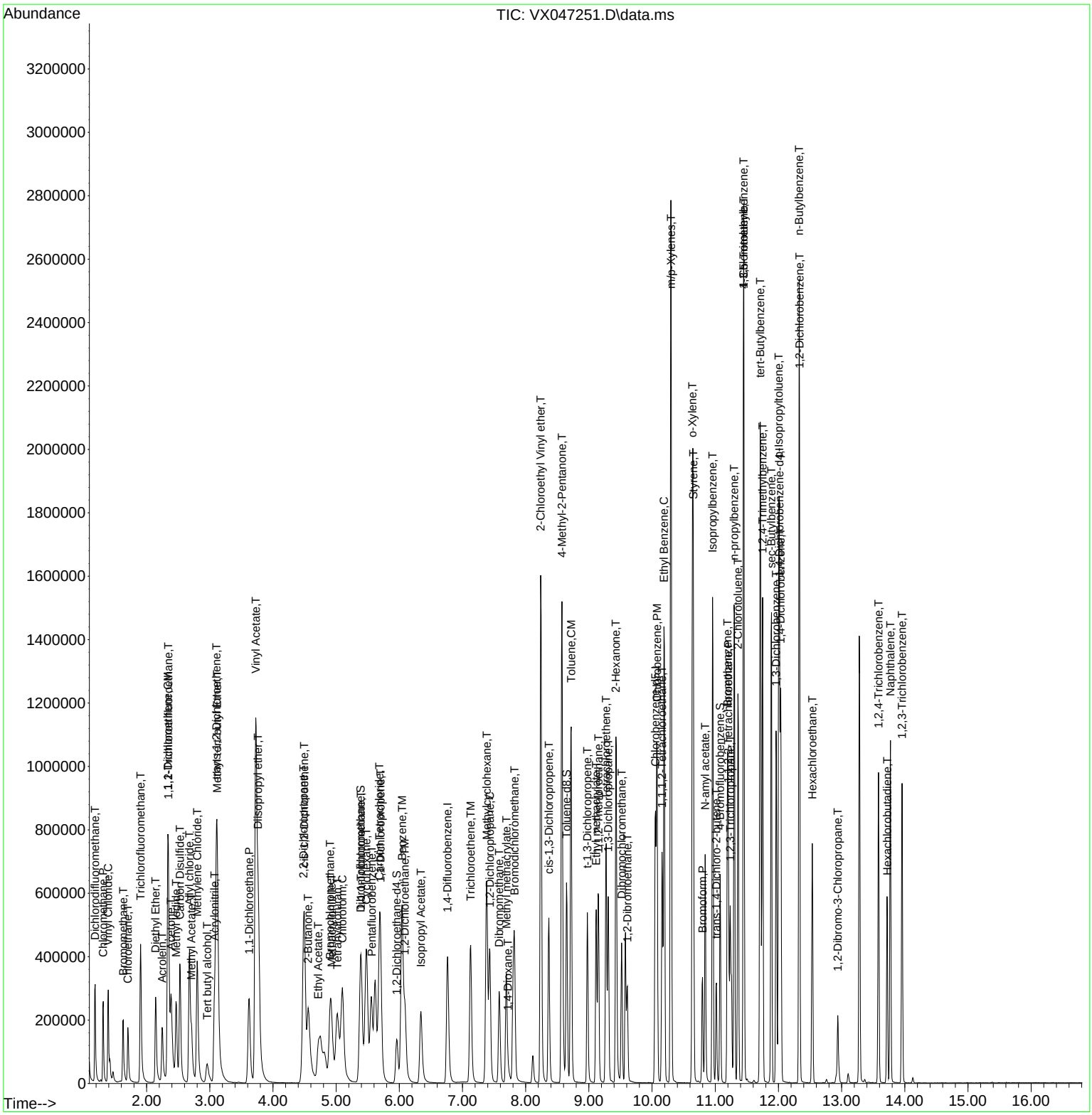

Evaluate Continuing Calibration Report

Sample Results: **VX047251.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047251.D
Acq On : 07 Aug 2025 10:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 08 02:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	84	0.00
2	T	Dichlorodifluoromethane	0.664	0.856	-28.9#	94	0.00
3	P	Chloromethane	0.657	0.720	-9.6	87	0.00
4	C	Vinyl Chloride	0.706	0.878	-24.4#	95	0.00
5	T	Bromomethane	0.384	0.386	-0.5	72	0.01
6	T	Chloroethane	0.464	0.481	-3.7	86	0.00
7	T	Trichlorofluoromethane	1.053	1.244	-18.1	90	0.00
8	T	Diethyl Ether	0.371	0.409	-10.2	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.718	-13.2	89	0.00
10	T	Methyl Iodide	0.647	1.050	-62.3#	121	0.00
11	T	Tert butyl alcohol	0.080	0.076	5.0	87	0.00
12	CM	1,1-Dichloroethene	0.628	0.717	-14.2#	89	0.00
13	T	Acrolein	0.134	0.125	6.7	76	0.00
14	T	Allyl chloride	1.136	1.163	-2.4	79	0.00
15	T	Acrylonitrile	0.297	0.308	-3.7	79	0.00
16	T	Acetone	0.250	0.291	-16.4	97	0.00
17	T	Carbon Disulfide	1.818	2.019	-11.1	88	0.00
18	T	Methyl Acetate	0.663	0.726	-9.5	89	0.00
19	T	Methyl tert-butyl Ether	1.912	2.101	-9.9	86	0.00
20	T	Methylene Chloride	0.686	0.742	-8.2	86	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.723	-12.4	87	0.00
22	T	Diisopropyl ether	2.184	2.403	-10.0	85	0.00
23	T	Vinyl Acetate	1.752	1.963	-12.0	85	0.00
24	P	1,1-Dichloroethane	1.214	1.323	-9.0	86	0.00
25	T	2-Butanone	0.363	0.380	-4.7	82	0.00
26	T	2,2-Dichloropropane	0.940	1.024	-8.9	88	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.812	-6.7	85	0.00
28	T	Bromochloromethane	0.559	0.553	1.1	76	0.00
29	T	Tetrahydrofuran	0.234	0.229	2.1	75	0.00
30	C	Chloroform	1.236	1.320	-6.8#	86	0.00
31	T	Cyclohexane	1.164	1.224	-5.2	85	0.00
32	T	1,1,1-Trichloroethane	1.074	1.151	-7.2	86	0.00
33	S	1,2-Dichloroethane-d4	0.623	0.561	10.0	82	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	84	0.00
35	S	Dibromofluoromethane	0.309	0.295	4.5	84	-0.01
36	T	1,1-Dichloropropene	0.526	0.559	-6.3	86	0.00
37	T	Ethyl Acetate	0.485	0.513	-5.8	84	0.00
38	T	Carbon Tetrachloride	0.562	0.601	-6.9	85	0.00
39	T	Methylcyclohexane	0.657	0.699	-6.4	84	0.00
40	TM	Benzene	1.523	1.643	-7.9	84	0.00
41	T	Methacrylonitrile	0.254	0.238	6.3	69	0.00
42	TM	1,2-Dichloroethane	0.536	0.576	-7.5	84	-0.01
43	T	Isopropyl Acetate	0.756	0.814	-7.7	81	0.00
44	TM	Trichloroethene	0.391	0.413	-5.6	83	0.00
45	C	1,2-Dichloropropane	0.381	0.407	-6.8#	84	0.00
46	T	Dibromomethane	0.267	0.292	-9.4	84	0.00
47	T	Bromodichloromethane	0.569	0.607	-6.7	83	0.00
48	T	Methyl methacrylate	0.412	0.423	-2.7	81	0.00

Sample Results: **VX047251.D**

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Acq On : 07 Aug 2025 10:15
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Instrument :
MSVOA_X
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VSTDCCC050

Quant Time: Aug 08 02:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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	0.005	0.004	20.0	72	0.06
50	S	Toluene-d8	1.000	0.849	15.1	77	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.459	-2.2	78	0.00
52	CM	Toluene	0.936	1.010	-7.9#	84	0.00
53	T	t-1,3-Dichloropropene	0.538	0.576	-7.1	82	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.639	-8.7	82	0.00
55	T	1,1,2-Trichloroethane	0.351	0.371	-5.7	83	0.00
56	T	Ethyl methacrylate	0.520	0.570	-9.6	81	0.00
57	T	1,3-Dichloropropane	0.610	0.639	-4.8	82	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.299	-3.5	78	0.00
59	T	2-Hexanone	0.297	0.312	-5.1	76	0.00
60	T	Dibromochloromethane	0.412	0.434	-5.3	82	0.00
61	T	1,2-Dibromoethane	0.367	0.379	-3.3	81	0.00
62	S	4-Bromofluorobenzene	0.431	0.393	8.8	81	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
64	T	Tetrachloroethene	0.360	0.389	-8.1	83	0.00
65	PM	Chlorobenzene	1.171	1.263	-7.9	82	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.434	-10.2	83	0.00
67	C	Ethyl Benzene	2.048	2.228	-8.8#	81	0.00
68	T	m/p-Xylenes	0.766	0.834	-8.9	82	0.00
69	T	o-Xylene	0.729	0.805	-10.4	82	0.00
70	T	Styrene	1.250	1.389	-11.1	82	0.00
71	P	Bromoform	0.300	0.318	-6.0	79	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	80	0.00
73	T	Isopropylbenzene	3.945	4.376	-10.9	82	0.00
74	T	N-amyl acetate	1.592	1.694	-6.4	76	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.199	-6.4	80	0.00
76	T	1,2,3-Trichloropropane	0.925	0.985	-6.5	80	0.00
77	T	Bromobenzene	0.946	1.020	-7.8	81	0.00
78	T	n-propylbenzene	4.714	5.200	-10.3	82	0.00
79	T	2-Chlorotoluene	2.818	3.018	-7.1	80	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.575	-9.7	82	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.302	15.9	62	0.00
82	T	4-Chlorotoluene	3.289	3.562	-8.3	80	0.00
83	T	tert-Butylbenzene	3.271	3.570	-9.1	80	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.570	-9.8	80	0.00
85	T	sec-Butylbenzene	4.087	4.420	-8.1	81	0.00
86	T	p-Isopropyltoluene	3.389	3.687	-8.8	80	0.00
87	T	1,3-Dichlorobenzene	1.798	1.892	-5.2	80	0.00
88	T	1,4-Dichlorobenzene	1.821	1.924	-5.7	82	0.00
89	T	n-Butylbenzene	3.178	3.448	-8.5	80	0.00
90	T	Hexachloroethane	0.606	0.654	-7.9	80	0.00
91	T	1,2-Dichlorobenzene	1.718	1.815	-5.6	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.228	-5.6	77	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.177	-3.7	77	0.00
94	T	Hexachlorobutadiene	0.386	0.418	-8.3	83	0.00
95	T	Naphthalene	3.328	3.551	-6.7	76	0.00

Sample Results: **VX047251.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047251.D
Acq On : 07 Aug 2025 10:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 08 02:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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	1.094	1.139	-4.1	78	0.00

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

Sample Results: **VX047251.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047251.D
Acq On : 07 Aug 2025 10:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 08 02:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	84	0.00
2	T	Dichlorodifluoromethane	50.000	64.417	-28.8#	94	0.00
3	P	Chloromethane	50.000	54.820	-9.6	87	0.00
4	C	Vinyl Chloride	50.000	62.150	-24.3#	95	0.00
5	T	Bromomethane	50.000	50.297	-0.6	72	0.01
6	T	Chloroethane	50.000	51.889	-3.8	86	0.00
7	T	Trichlorofluoromethane	50.000	59.084	-18.2	90	0.00
8	T	Diethyl Ether	50.000	55.103	-10.2	88	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	56.598	-13.2	89	0.00
10	T	Methyl Iodide	50.000	81.199	-62.4#	121	0.00
11	T	Tert butyl alcohol	250.000	259.655	-3.9	87	0.00
12	CM	1,1-Dichloroethene	50.000	57.050	-14.1#	89	0.00
13	T	Acrolein	250.000	232.827	6.9	76	0.00
14	T	Allyl chloride	50.000	51.180	-2.4	79	0.00
15	T	Acrylonitrile	250.000	259.244	-3.7	79	0.00
16	T	Acetone	250.000	291.845	-16.7	97	0.00
17	T	Carbon Disulfide	50.000	55.531	-11.1	88	0.00
18	T	Methyl Acetate	50.000	54.735	-9.5	89	0.00
19	T	Methyl tert-butyl Ether	50.000	54.925	-9.8	86	0.00
20	T	Methylene Chloride	50.000	54.080	-8.2	86	0.00
21	T	trans-1,2-Dichloroethene	50.000	56.231	-12.5	87	0.00
22	T	Diisopropyl ether	50.000	55.009	-10.0	85	0.00
23	T	Vinyl Acetate	250.000	280.170	-12.1	85	0.00
24	P	1,1-Dichloroethane	50.000	54.466	-8.9	86	0.00
25	T	2-Butanone	250.000	261.747	-4.7	82	0.00
26	T	2,2-Dichloropropane	50.000	54.481	-9.0	88	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.316	-6.6	85	0.00
28	T	Bromochloromethane	50.000	49.530	0.9	76	0.00
29	T	Tetrahydrofuran	250.000	244.577	2.2	75	0.00
30	C	Chloroform	50.000	53.393	-6.8#	86	0.00
31	T	Cyclohexane	50.000	52.557	-5.1	85	0.00
32	T	1,1,1-Trichloroethane	50.000	53.614	-7.2	86	0.00
33	S	1,2-Dichloroethane-d4	50.000	45.048	9.9	82	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	84	0.00
35	S	Dibromofluoromethane	50.000	47.771	4.5	84	-0.01
36	T	1,1-Dichloropropene	50.000	53.070	-6.1	86	0.00
37	T	Ethyl Acetate	50.000	52.863	-5.7	84	0.00
38	T	Carbon Tetrachloride	50.000	53.526	-7.1	85	0.00
39	T	Methylcyclohexane	50.000	53.230	-6.5	84	0.00
40	TM	Benzene	50.000	53.931	-7.9	84	0.00
41	T	Methacrylonitrile	50.000	46.857	6.3	69	0.00
42	TM	1,2-Dichloroethane	50.000	53.666	-7.3	84	-0.01
43	T	Isopropyl Acetate	50.000	53.828	-7.7	81	0.00
44	TM	Trichloroethene	50.000	52.928	-5.9	83	0.00
45	C	1,2-Dichloropropane	50.000	53.353	-6.7#	84	0.00
46	T	Dibromomethane	50.000	54.508	-9.0	84	0.00
47	T	Bromodichloromethane	50.000	53.343	-6.7	83	0.00
48	T	Methyl methacrylate	50.000	51.325	-2.7	81	0.00

Sample Results: **VX047251.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047251.D
Acq On : 07 Aug 2025 10:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 08 02:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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	949.881	5.0	72	0.06
50	S	Toluene-d8	50.000	42.469	15.1	77	0.00
51	T	4-Methyl-2-Pentanone	250.000	255.322	-2.1	78	0.00
52	CM	Toluene	50.000	53.916	-7.8#	84	0.00
53	T	t-1,3-Dichloropropene	50.000	53.540	-7.1	82	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.294	-8.6	82	0.00
55	T	1,1,2-Trichloroethane	50.000	52.820	-5.6	83	0.00
56	T	Ethyl methacrylate	50.000	54.811	-9.6	81	0.00
57	T	1,3-Dichloropropane	50.000	52.367	-4.7	82	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	258.586	-3.4	78	0.00
59	T	2-Hexanone	250.000	262.679	-5.1	76	0.00
60	T	Dibromochloromethane	50.000	52.673	-5.3	82	0.00
61	T	1,2-Dibromoethane	50.000	51.539	-3.1	81	0.00
62	S	4-Bromofluorobenzene	50.000	45.663	8.7	81	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	80	0.00
64	T	Tetrachloroethene	50.000	53.896	-7.8	83	0.00
65	PM	Chlorobenzene	50.000	53.915	-7.8	82	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	55.036	-10.1	83	0.00
67	C	Ethyl Benzene	50.000	54.388	-8.8#	81	0.00
68	T	m/p-Xylenes	100.000	108.762	-8.8	82	0.00
69	T	o-Xylene	50.000	55.172	-10.3	82	0.00
70	T	Styrene	50.000	55.545	-11.1	82	0.00
71	P	Bromoform	50.000	53.091	-6.2	79	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	80	0.00
73	T	Isopropylbenzene	50.000	55.471	-10.9	82	0.00
74	T	N-amyl acetate	50.000	53.213	-6.4	76	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.213	-6.4	80	0.00
76	T	1,2,3-Trichloropropane	50.000	53.216	-6.4	80	0.00
77	T	Bromobenzene	50.000	53.880	-7.8	81	0.00
78	T	n-propylbenzene	50.000	55.157	-10.3	82	0.00
79	T	2-Chlorotoluene	50.000	53.560	-7.1	80	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.846	-9.7	82	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.037	15.9	62	0.00
82	T	4-Chlorotoluene	50.000	54.144	-8.3	80	0.00
83	T	tert-Butylbenzene	50.000	54.573	-9.1	80	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.922	-9.8	80	0.00
85	T	sec-Butylbenzene	50.000	54.074	-8.1	81	0.00
86	T	p-Isopropyltoluene	50.000	54.393	-8.8	80	0.00
87	T	1,3-Dichlorobenzene	50.000	52.614	-5.2	80	0.00
88	T	1,4-Dichlorobenzene	50.000	52.811	-5.6	82	0.00
89	T	n-Butylbenzene	50.000	54.242	-8.5	80	0.00
90	T	Hexachloroethane	50.000	53.943	-7.9	80	0.00
91	T	1,2-Dichlorobenzene	50.000	52.819	-5.6	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.698	-5.4	77	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.832	-3.7	77	0.00
94	T	Hexachlorobutadiene	50.000	54.104	-8.2	83	0.00
95	T	Naphthalene	50.000	53.347	-6.7	76	0.00

Sample Results: **VX047251.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047251.D
Acq On : 07 Aug 2025 10:15
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 08 02:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 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	52.066	-4.1	78	0.00

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

QC SAMPLE DATA

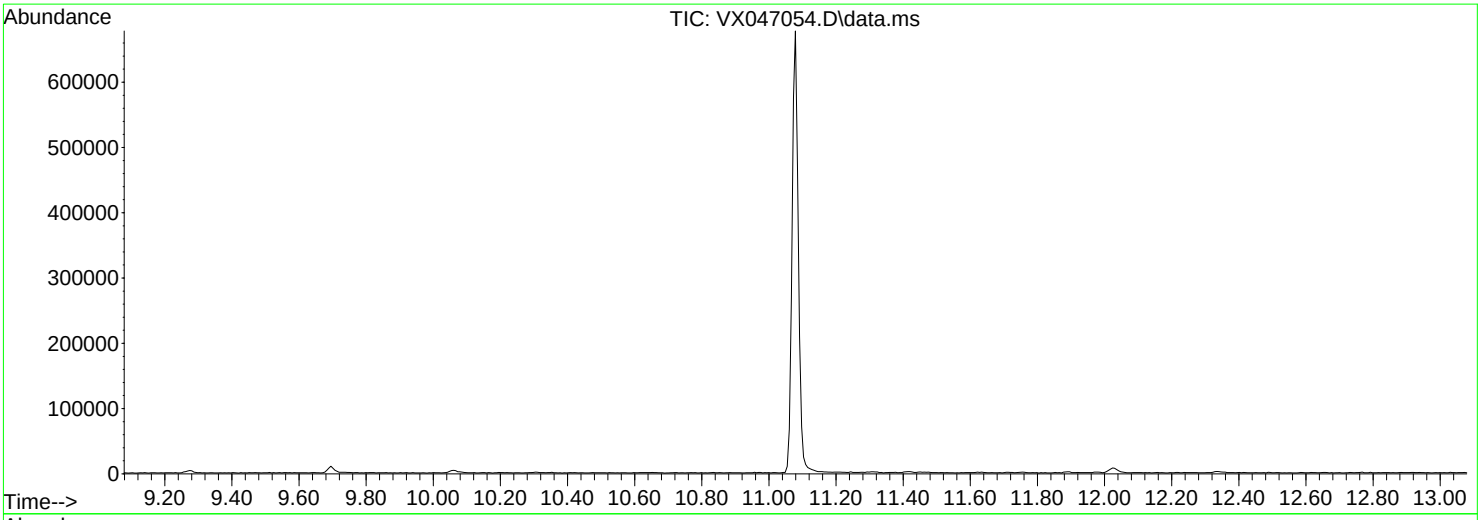
Sample Results: **VX047054.D**

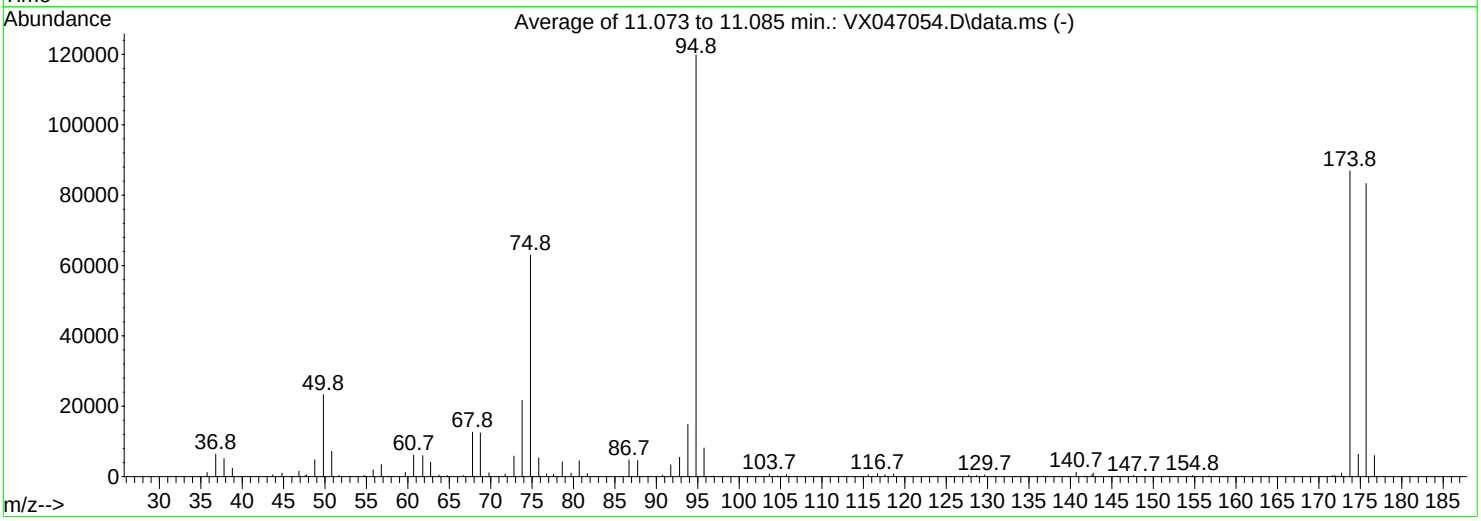
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047054.D
Acq On : 21 Jul 2025 08:53
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	23312	PASS
75	95	30	60	52.5	62997	PASS
95	95	100	100	100.0	119888	PASS
96	95	5	9	6.8	8138	PASS
173	174	0.00	2	1.2	1064	PASS
174	95	50	100	72.5	86899	PASS
175	174	5	9	7.3	6373	PASS
176	174	95	101	95.9	83323	PASS
177	176	5	9	7.2	5999	PASS

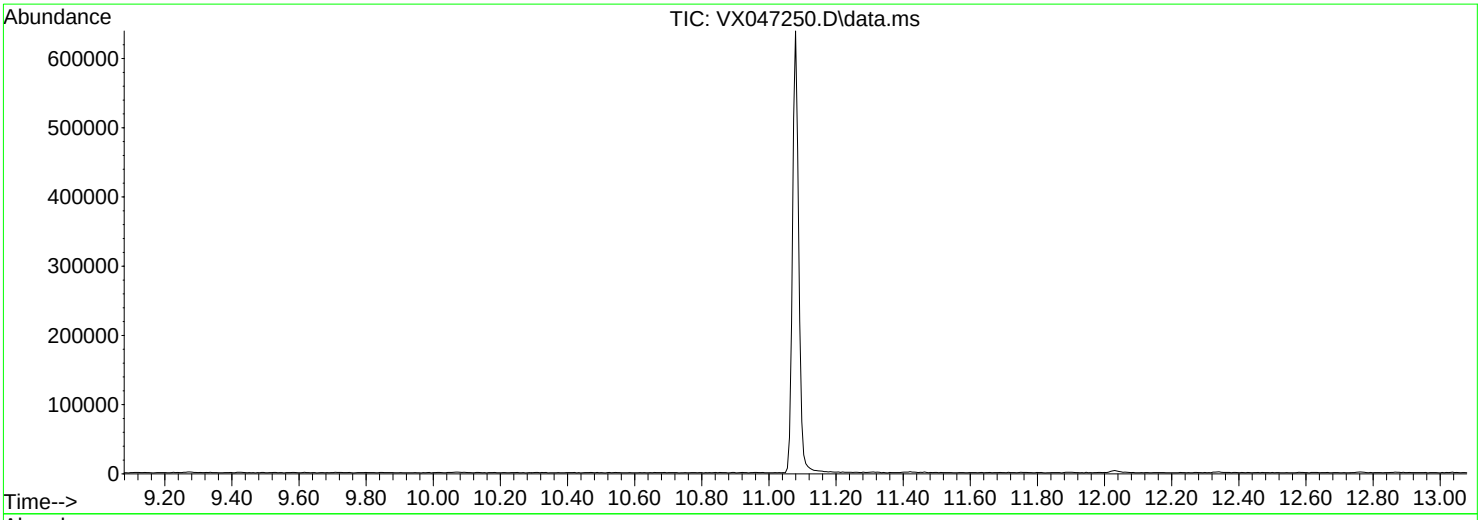
Sample Results: **VX047250.D**

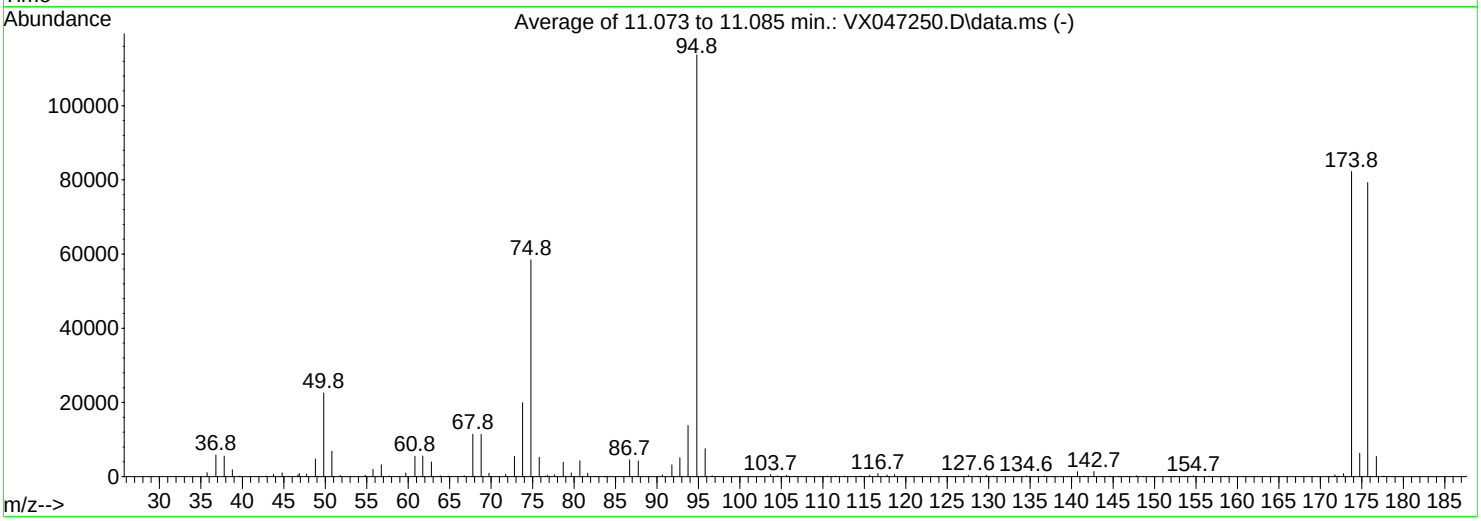
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047250.D
Acq On : 07 Aug 2025 09:44
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.9	22576	PASS
75	95	30	60	51.4	58453	PASS
95	95	100	100	100.0	113720	PASS
96	95	5	9	6.6	7562	PASS
173	174	0.00	2	1.0	818	PASS
174	95	50	100	72.3	82253	PASS
175	174	5	9	7.6	6288	PASS
176	174	95	101	96.4	79275	PASS
177	176	5	9	6.8	5427	PASS

Raw Data: **VX047253.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0807WBL01	SDG No.:	Q2790
Lab Sample ID:	VX0807WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047253.D	1	08/07/25 11:03	VX080725

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

Raw Data: **VX047253.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0807WBL01	SDG No.:	Q2790
Lab Sample ID:	VX0807WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047253.D	1	08/07/25 11:03	VX080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	44.7		86 - 113	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248000	5.562			
540-36-3	1,4-Difluorobenzene	424000	6.769			
3114-55-4	Chlorobenzene-d5	387000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	198000	12.018			

Raw Data: **VX047253.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0807WBL01	SDG No.:	Q2790
Lab Sample ID:	VX0807WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047253.D	1	08/07/25 11:03	VX080725

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\VX080725\
Data File : VX047253.D
Acq On : 07 Aug 2025 11:03
Operator : JC/MD
Sample : VX0807WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

Quant Time: Aug 08 02:40:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	248214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	424037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	386661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	198090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	151287	48.929	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.860%		
35) Dibromofluoromethane	5.397	113	129469	49.451	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.900%		
50) Toluene-d8	8.653	98	378639	44.657	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.320%#		
62) 4-Bromofluorobenzene	11.079	95	181050	49.550	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.100%		
Target Compounds						Qvalue

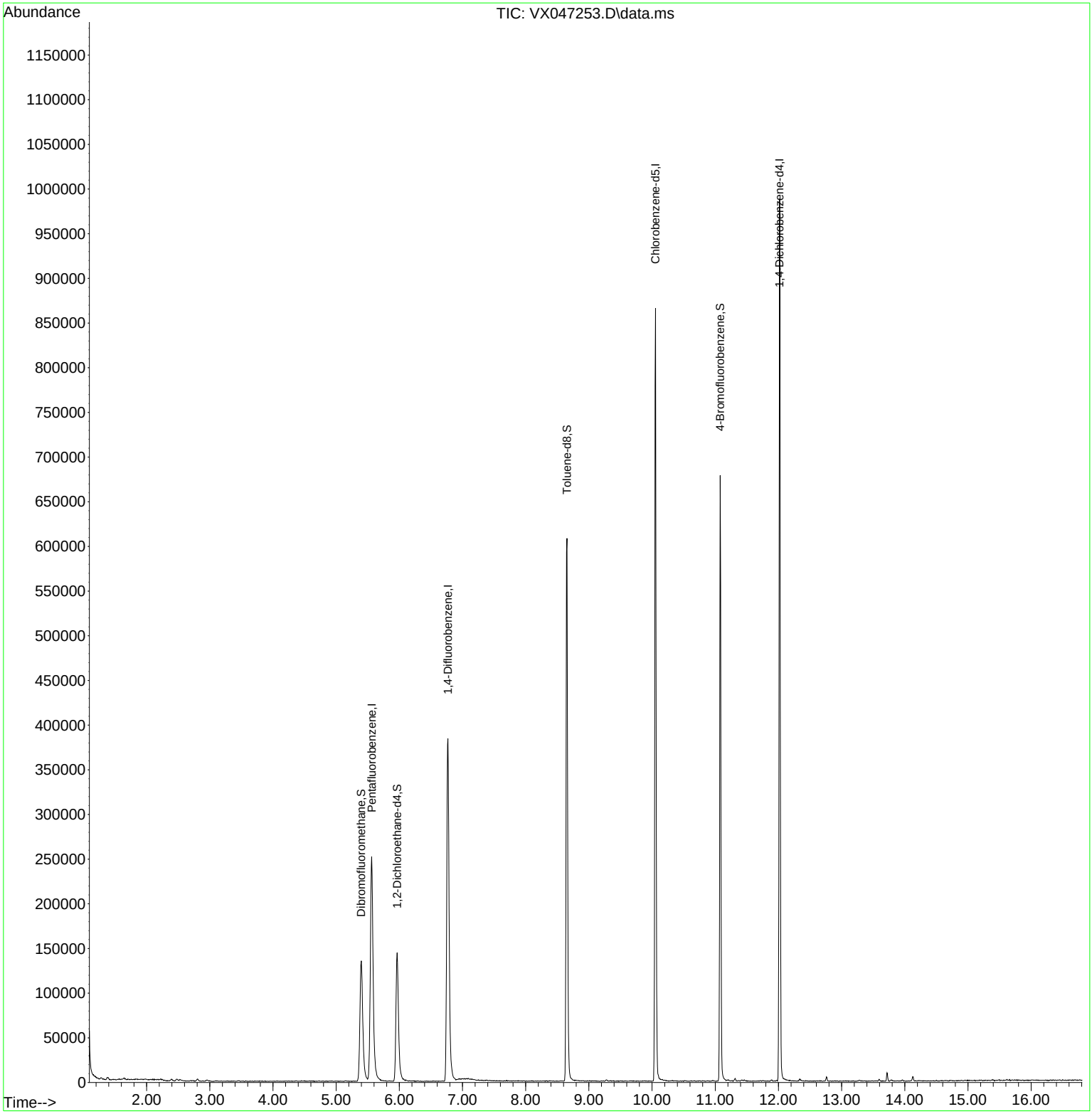
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VX047253.D**

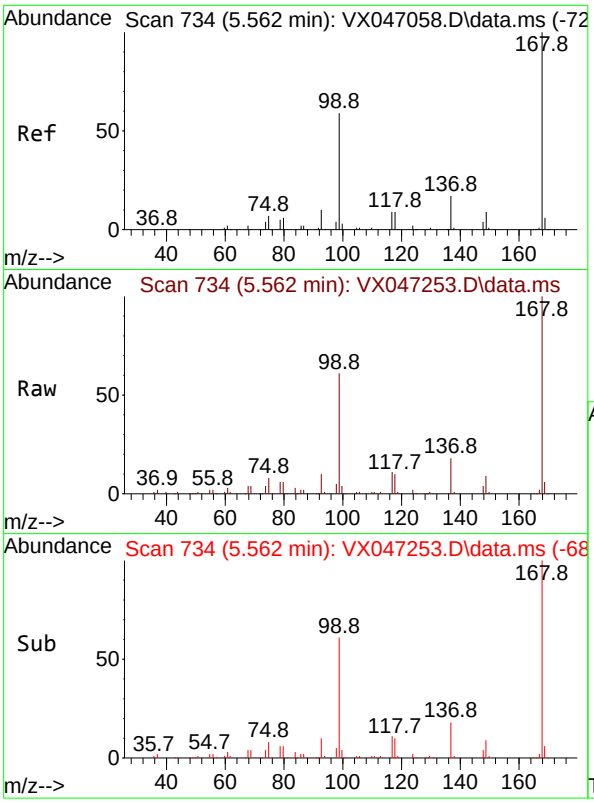
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047253.D
Acq On : 07 Aug 2025 11:03
Operator : JC/MD
Sample : VX0807WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

Quant Time: Aug 08 02:40:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



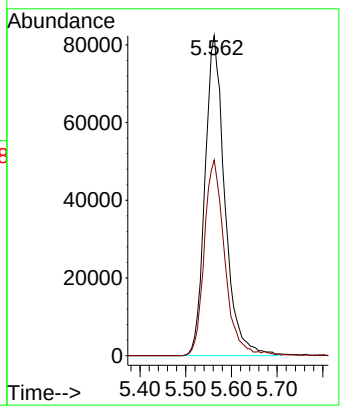
Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

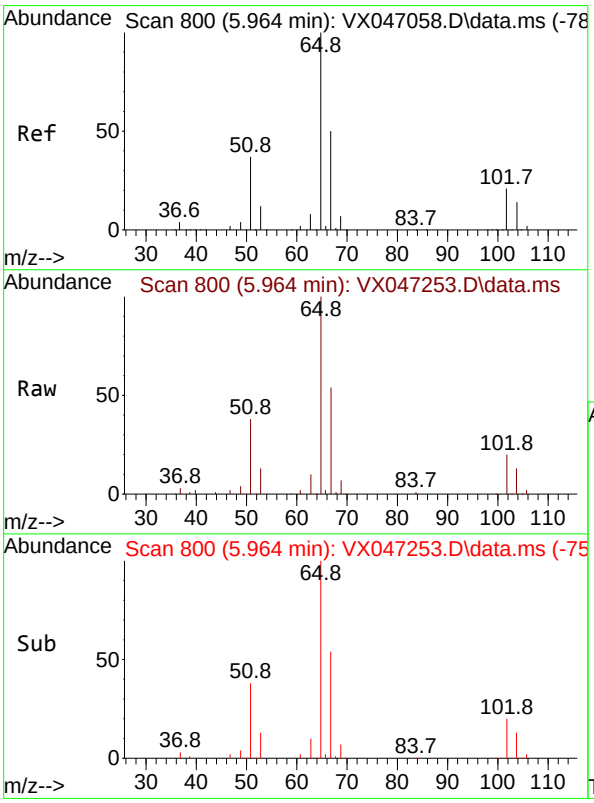


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047253.D
Acq: 07 Aug 2025 11:03

Tgt Ion:168 Resp: 248214

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.0	72.0

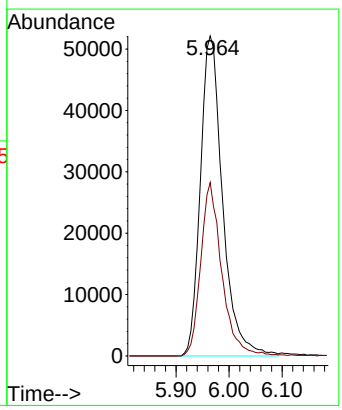


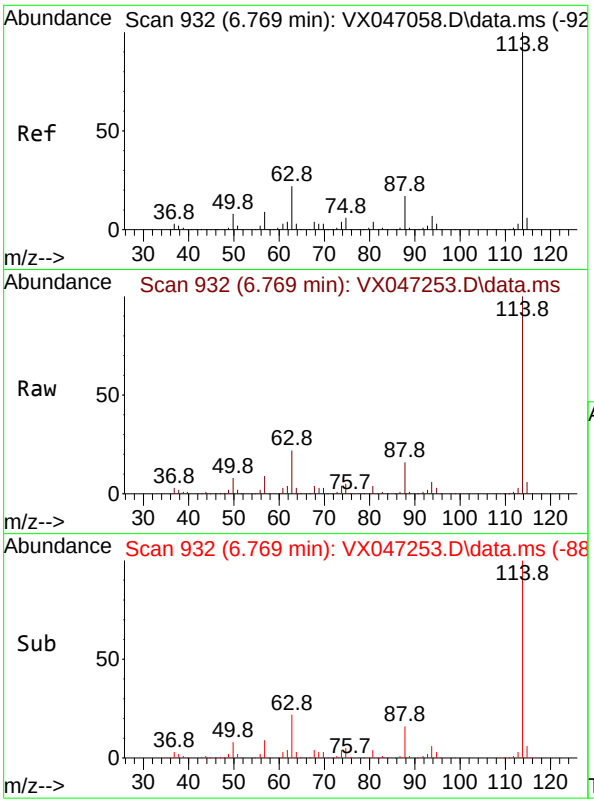


#33
1,2-Dichloroethane-d4
Concen: 48.929 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047253.D
Acq: 07 Aug 2025 11:03

Tgt Ion: 65 Resp: 151287

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.8



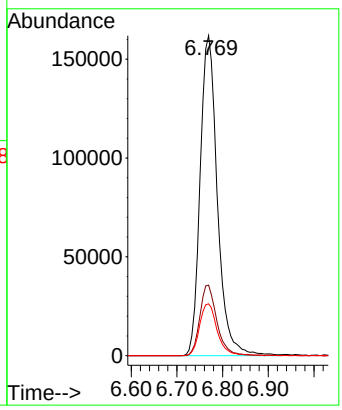


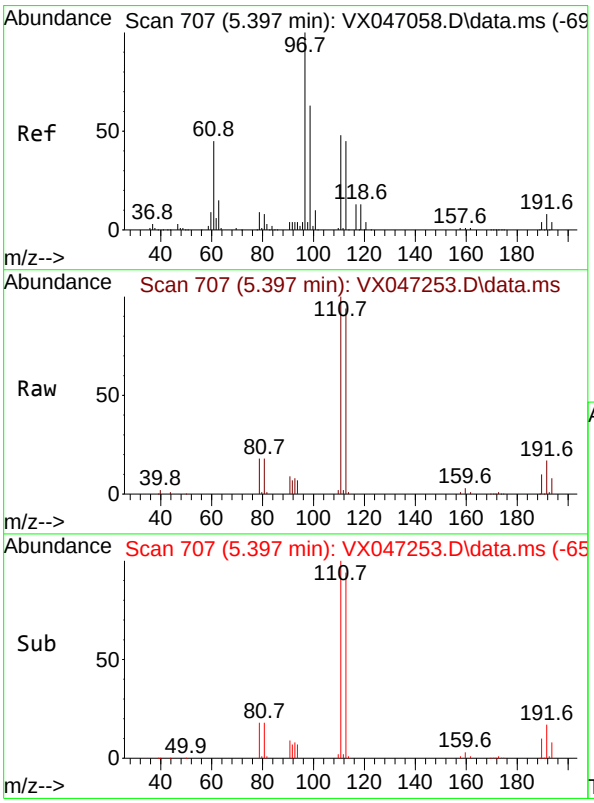
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047253.D
Acq: 07 Aug 2025 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

Tgt Ion:114 Resp: 424037

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	16.2	0.0	33.8

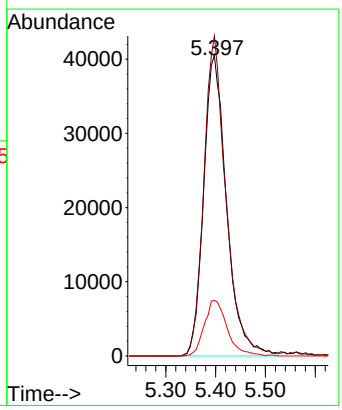


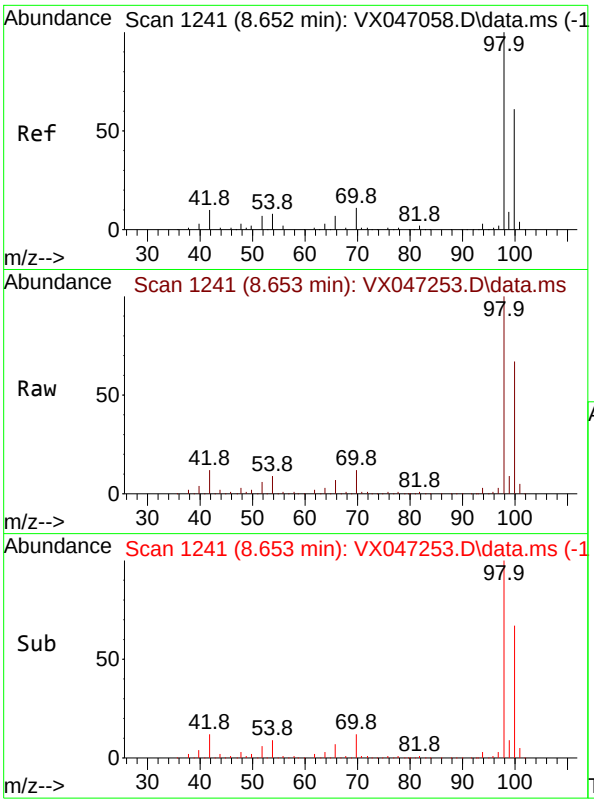


#35
Dibromofluoromethane
Concen: 49.451 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047253.D
Acq: 07 Aug 2025 11:03

Tgt Ion:113 Resp: 129469

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	124.0
192	18.5	14.9	22.3



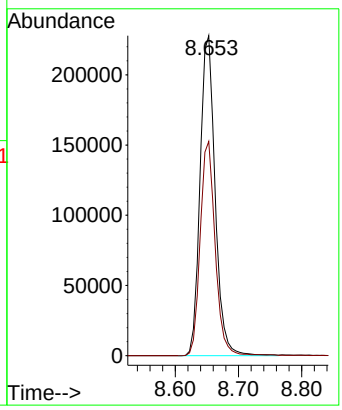


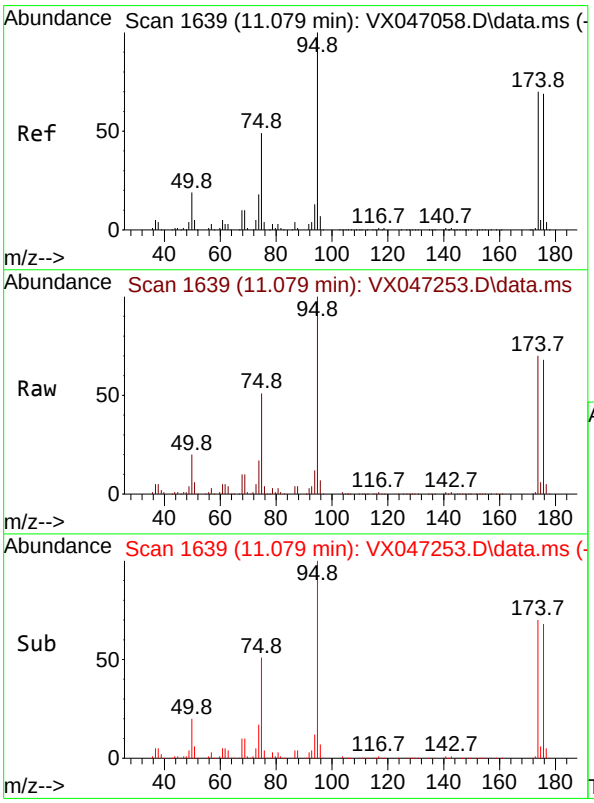
#50
Toluene-d8
Concen: 44.657 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047253.D
Acq: 07 Aug 2025 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

Tgt Ion: 98 Resp: 378639

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9

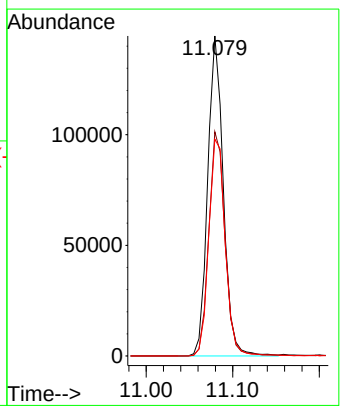


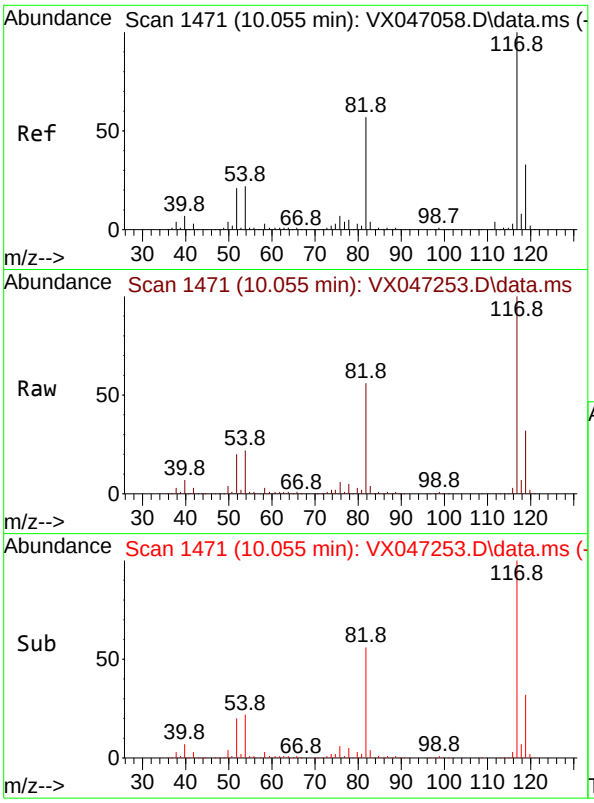


#62
4-Bromofluorobenzene
Concen: 49.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047253.D
Acq: 07 Aug 2025 11:03

Tgt Ion: 95 Resp: 181050

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	144.6
176	71.6	0.0	139.6



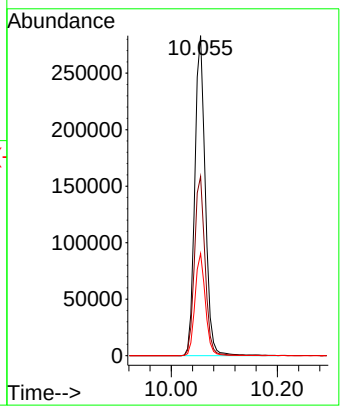


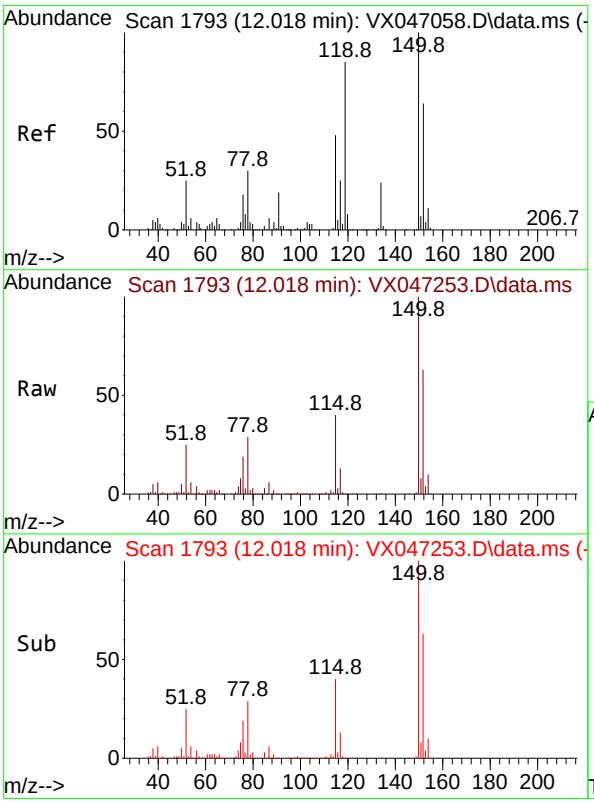
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047253.D
Acq: 07 Aug 2025 11:03

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

Tgt Ion:117 Resp: 386661

Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.4	68.2
119	31.9	26.1	39.1

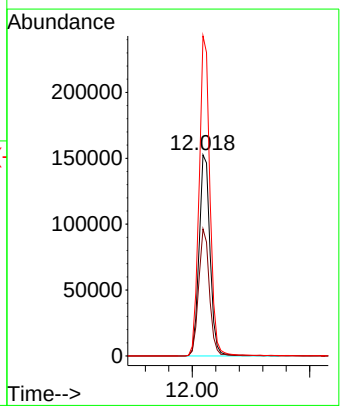




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047253.D
Acq: 07 Aug 2025 11:03

Tgt Ion:152 Resp: 198090

Ion	Ratio	Lower	Upper
152	100		
115	61.9	45.6	136.7
150	156.8	0.0	354.6



Sample Results: **VX047253.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047253.D
Acq On : 07 Aug 2025 11:03
Operator : JC/MD
Sample : VX0807WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047253.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	rBV4	134766	429271	34.69%	6.185%
2	5.562	723	734	758	rVB	250797	767724	62.05%	11.062%
3	5.964	790	800	815	rBV	144091	408666	33.03%	5.888%
4	6.769	922	932	952	rBV	383465	1009169	81.56%	14.540%
5	8.653	1234	1241	1257	rBV	607340	1022665	82.65%	14.735%
6	10.055	1465	1471	1487	rBV	864835	1201636	97.11%	17.313%
7	11.079	1634	1639	1654	rBV	677603	863968	69.82%	12.448%
8	12.018	1788	1793	1806	rBV	987406	1237360	100.00%	17.828%

Sum of corrected areas: 6940459

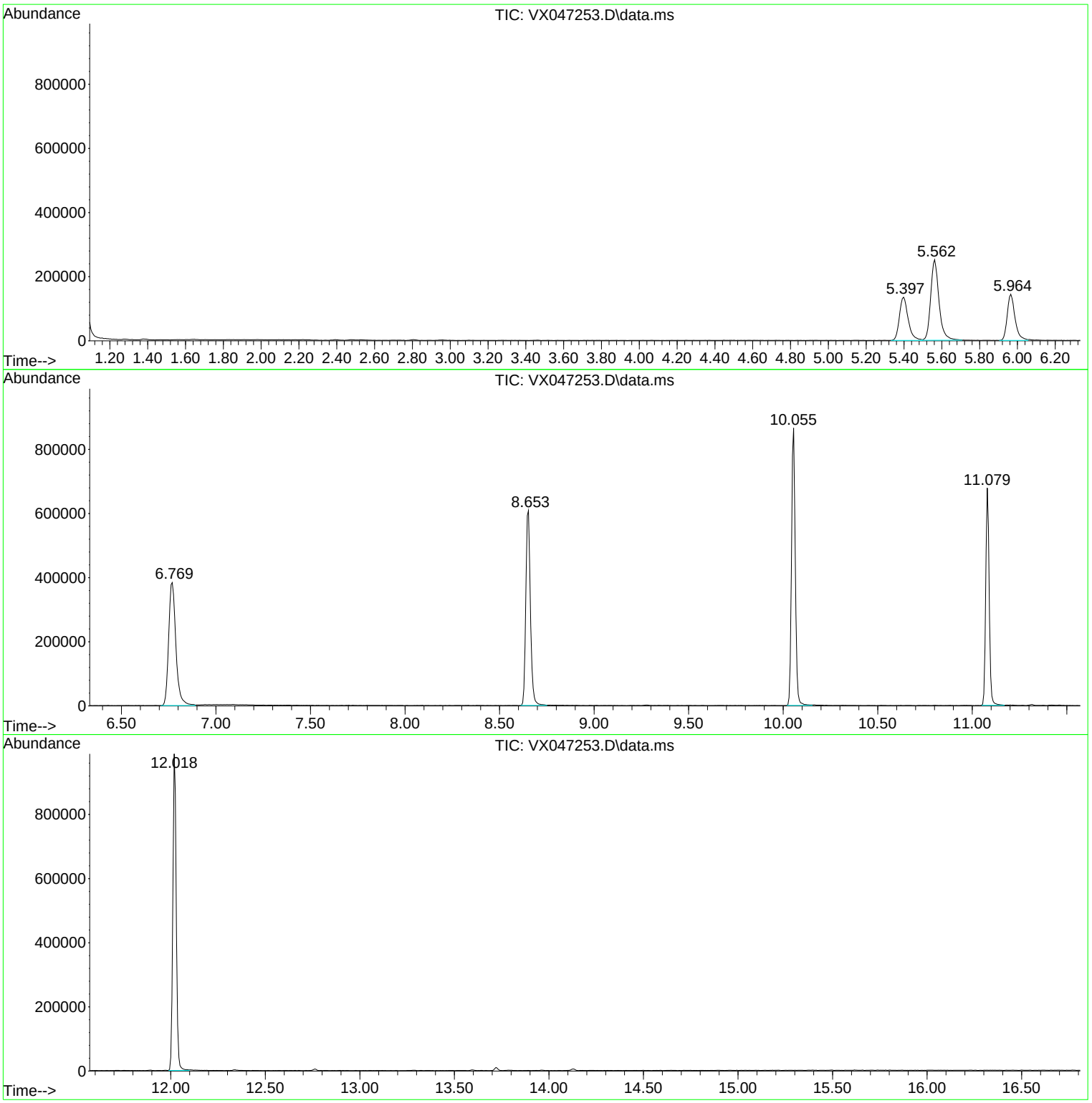
Sample Results: **VX047253.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047253.D
Acq On : 07 Aug 2025 11:03
Operator : JC/MD
Sample : VX0807WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX047253.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047253.D
Acq On : 07 Aug 2025 11:03
Operator : JC/MD
Sample : VX0807WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX080725\
Data File : VX047253.D
Acq On : 07 Aug 2025 11:03
Operator : JC/MD
Sample : VX0807WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

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

Raw Data: **VX047254.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0807WBS01	SDG No.:	Q2790
Lab Sample ID:	VX0807WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047254.D	1	08/07/25 11:58	VX080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.6		0.22	1.00	ug/L
74-87-3	Chloromethane	18.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	21.2		0.26	1.00	ug/L
74-83-9	Bromomethane	19.7		1.40	5.00	ug/L
75-00-3	Chloroethane	18.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.23	1.00	ug/L
67-64-1	Acetone	120		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.4		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.3		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.7		1.50	5.00	ug/L
78-93-3	2-Butanone	100		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	19.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.0		0.22	1.00	ug/L
67-66-3	Chloroform	19.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.9		0.16	1.00	ug/L
71-43-2	Benzene	19.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.9		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	97.9		0.68	5.00	ug/L
108-88-3	Toluene	20.4		0.14	1.00	ug/L

Raw Data: **VX047254.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0807WBS01	SDG No.:	Q2790
Lab Sample ID:	VX0807WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047254.D	1	08/07/25 11:58	VX080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.8		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.0		0.24	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	1.00	ug/L
100-42-5	Styrene	20.2		0.15	1.00	ug/L
75-25-2	Bromoform	19.3		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.8		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.3		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.0		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	45.0		86 - 113	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	5.556			
540-36-3	1,4-Difluorobenzene	413000	6.763			
3114-55-4	Chlorobenzene-d5	372000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	189000	12.018			

Raw Data: **VX047254.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0807WBS01	SDG No.:	Q2790
Lab Sample ID:	VX0807WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047254.D	1	08/07/25 11:58	VX080725

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

Sample Results: **VX047254.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047254.D
Acq On : 07 Aug 2025 11:58
Operator : JC/MD
Sample : VX0807WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 02:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	246718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	412728	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	189057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	144294	46.950	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.900%			
35) Dibromofluoromethane	5.391	113	128383	50.380	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.760%			
50) Toluene-d8	8.647	98	371600	45.028	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.060%#			
62) 4-Bromofluorobenzene	11.079	95	177142	49.809	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	70743	21.587	ug/l	96
3) Chloromethane	1.313	50	60830	18.766	ug/l	98
4) Vinyl Chloride	1.392	62	73707	21.152	ug/l	99
5) Bromomethane	1.630	94	37291	19.701	ug/l	97
6) Chloroethane	1.709	64	41145	17.978	ug/l	100
7) Trichlorofluoromethane	1.904	101	102409	19.709	ug/l	100
8) Diethyl Ether	2.148	74	35103	19.161	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	62513	19.969	ug/l	100
10) Methyl Iodide	2.471	142	93945	29.446	ug/l	100
11) Tert butyl alcohol	2.953	59	29542	75.029	ug/l	100
12) 1,1-Dichloroethene	2.337	96	59796	19.286	ug/l	98
13) Acrolein	2.245	56	47452	71.708	ug/l	99
14) Allyl chloride	2.678	41	100017	17.845	ug/l	92
15) Acrylonitrile	3.075	53	138785	94.685	ug/l	99
16) Acetone	2.386	43	145933	118.531	ug/l	100
17) Carbon Disulfide	2.526	76	176190	19.643	ug/l	99
18) Methyl Acetate	2.709	43	63320	19.353	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	182508	19.341	ug/l	100
20) Methylene Chloride	2.800	84	65245	19.263	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	63425	19.990	ug/l	96
22) Diisopropyl ether	3.763	45	212100	19.684	ug/l	89
23) Vinyl Acetate	3.727	43	859766	99.479	ug/l	99
24) 1,1-Dichloroethane	3.617	63	115816	19.328	ug/l	98
25) 2-Butanone	4.568	43	181237	101.097	ug/l	99
26) 2,2-Dichloropropane	4.489	77	91939	19.821	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	72996	19.429	ug/l	99
28) Bromochloromethane	4.910	49	57816	20.973	ug/l	98
29) Tetrahydrofuran	5.025	42	104221	90.104	ug/l	96
30) Chloroform	5.105	83	119209	19.544	ug/l	95
31) Cyclohexane	5.483	56	113460	19.748	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	104512	19.727	ug/l	100
36) 1,1-Dichloropropene	5.708	75	81978	18.872	ug/l	98
37) Ethyl Acetate	4.721	43	75027	18.744	ug/l	100
38) Carbon Tetrachloride	5.684	117	90331	19.484	ug/l	98
39) Methylcyclohexane	7.385	83	107701	19.858	ug/l	94
40) Benzene	6.044	78	250309	19.912	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047254.D
Acq On : 07 Aug 2025 11:58
Operator : JC/MD
Sample : VX0807WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 02:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	38424	18.360	ug/l		95
42) 1,2-Dichloroethane	6.092	62	88643	20.018	ug/l		98
43) Isopropyl Acetate	6.342	43	124304	19.920	ug/l		99
44) Trichloroethene	7.129	130	62970	19.534	ug/l		86
45) 1,2-Dichloropropane	7.434	63	62199	19.755	ug/l		99
46) Dibromomethane	7.580	93	44720	20.254	ug/l		99
47) Bromodichloromethane	7.824	83	93421	19.879	ug/l		99
48) Methyl methacrylate	7.696	41	63869	18.789	ug/l		98
49) 1,4-Dioxane	7.720	88	13372	345.859	ug/l	#	92
51) 4-Methyl-2-Pentanone	8.574	43	362981	97.866	ug/l		99
52) Toluene	8.720	92	157967	20.436	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	86824	19.564	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	95962	19.757	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	57878	19.966	ug/l		98
56) Ethyl methacrylate	9.116	69	85970	20.033	ug/l		99
57) 1,3-Dichloropropane	9.305	76	101918	20.230	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	237090	99.281	ug/l		100
59) 2-Hexanone	9.427	43	255526	104.277	ug/l		100
60) Dibromochloromethane	9.518	129	68064	20.020	ug/l		99
61) 1,2-Dibromoethane	9.610	107	59694	19.694	ug/l		99
64) Tetrachloroethene	9.275	164	52220	19.455	ug/l		97
65) Chlorobenzene	10.079	112	173476	19.888	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	57109	19.446	ug/l		100
67) Ethyl Benzene	10.195	91	304061	19.937	ug/l		98
68) m/p-Xylenes	10.299	106	228477	40.032	ug/l		100
69) o-Xylene	10.640	106	109437	20.156	ug/l		100
70) Styrene	10.652	104	188124	20.206	ug/l		100
71) Bromoform	10.799	173	42963	19.259	ug/l	#	99
73) Isopropylbenzene	10.963	105	290331	19.465	ug/l		99
74) N-amyl acetate	10.841	43	109136	18.135	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	82937	19.466	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	66024m	18.867	ug/l		
77) Bromobenzene	11.195	156	69953	19.553	ug/l		99
78) n-propylbenzene	11.305	91	347537	19.499	ug/l		100
79) 2-Chlorotoluene	11.360	91	205902	19.325	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	241560	19.603	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	17696	13.029	ug/l		94
82) 4-Chlorotoluene	11.451	91	245621	19.751	ug/l		99
83) tert-Butylbenzene	11.713	119	242700	19.623	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	241061	19.613	ug/l		100
85) sec-Butylbenzene	11.890	105	303450	19.637	ug/l		100
86) p-Isopropyltoluene	12.006	119	251527	19.628	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	134594	19.800	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	133860	19.437	ug/l		97
89) n-Butylbenzene	12.329	91	238953	19.883	ug/l		98
90) Hexachloroethane	12.536	117	43226	18.855	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	125167	19.266	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15706	19.205	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	82018	19.108	ug/l		97
94) Hexachlorobutadiene	13.725	225	31786	21.774	ug/l		96
95) Naphthalene	13.774	128	242497	19.271	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	79750	19.285	ug/l		99

Sample Results: **VX047254.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047254.D
Acq On : 07 Aug 2025 11:58
Operator : JC/MD
Sample : VX0807WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 02:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025

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

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

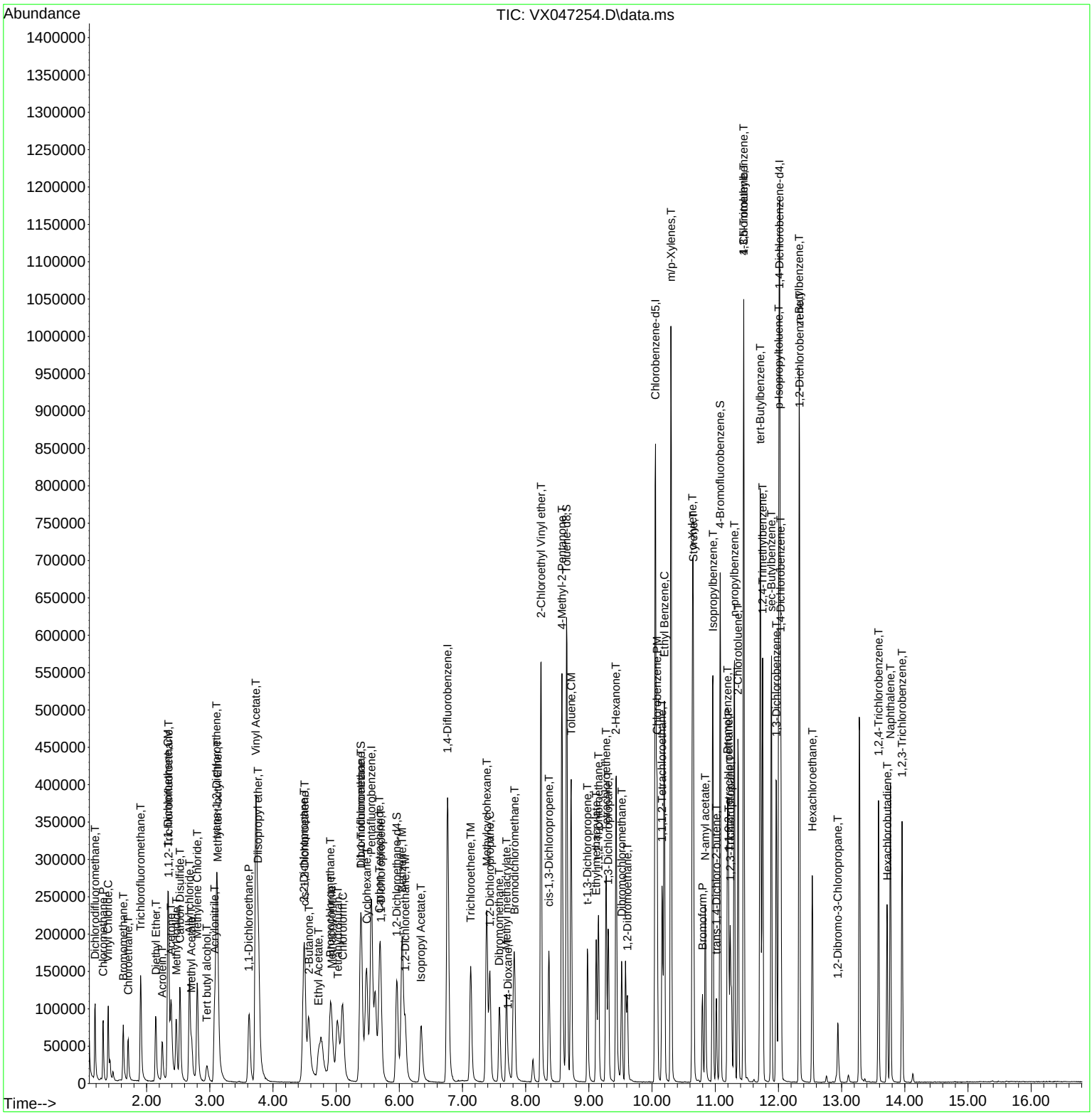
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047254.D
Acq On : 07 Aug 2025 11:58
Operator : JC/MD
Sample : VX0807WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 08 02:40:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025



Raw Data: **VX047255.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0807WBSD01	SDG No.:	Q2790
Lab Sample ID:	VX0807WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047255.D	1	08/07/25 12:23	VX080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		0.22	1.00	ug/L
74-87-3	Chloromethane	18.2		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	20.2		0.26	1.00	ug/L
74-83-9	Bromomethane	19.1		1.40	5.00	ug/L
75-00-3	Chloroethane	17.9		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	18.9		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.4		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.1		1.50	5.00	ug/L
78-93-3	2-Butanone	97.5		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.3		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.5		0.22	1.00	ug/L
67-66-3	Chloroform	19.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.7		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.3		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	20.4		0.14	1.00	ug/L

Raw Data: **VX047255.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0807WBSD01	SDG No.:	Q2790
Lab Sample ID:	VX0807WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047255.D	1	08/07/25 12:23	VX080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.3		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.4		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.8		0.24	2.00	ug/L
95-47-6	o-Xylene	19.9		0.12	1.00	ug/L
100-42-5	Styrene	20.0		0.15	1.00	ug/L
75-25-2	Bromoform	19.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.1		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.4		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		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	19.5		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.5		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	45.6		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	240000	5.562			
540-36-3	1,4-Difluorobenzene	400000	6.763			
3114-55-4	Chlorobenzene-d5	360000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	185000	12.018			

Raw Data: **VX047255.D**

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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VX0807WBSD01	SDG No.:	Q2790
Lab Sample ID:	VX0807WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group2
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047255.D	1	08/07/25 12:23	VX080725

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\VX080725\
Data File : VX047255.D
Acq On : 07 Aug 2025 12:23
Operator : JC/MD
Sample : VX0807WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 08 02:41:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	240405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	399996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	184985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	141701	47.317	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.640%			
35) Dibromofluoromethane	5.397	113	124533	50.424	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	8.647	98	364464	45.569	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.140%#			
62) 4-Bromofluorobenzene	11.079	95	173993	50.481	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	65872	20.629	ug/l	98
3) Chloromethane	1.313	50	57493	18.202	ug/l	97
4) Vinyl Chloride	1.392	62	68452	20.160	ug/l	98
5) Bromomethane	1.630	94	35275	19.125	ug/l	95
6) Chloroethane	1.709	64	39945	17.912	ug/l	96
7) Trichlorofluoromethane	1.904	101	98754	19.505	ug/l	97
8) Diethyl Ether	2.148	74	34771	19.478	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	59647	19.554	ug/l	98
10) Methyl Iodide	2.471	142	90429	29.088	ug/l	98
11) Tert butyl alcohol	2.947	59	30494	80.117	ug/l	97
12) 1,1-Dichloroethene	2.337	96	57054	18.885	ug/l	95
13) Acrolein	2.252	56	45852	71.109	ug/l	100
14) Allyl chloride	2.678	41	94277	17.263	ug/l	93
15) Acrylonitrile	3.081	53	136858	95.822	ug/l	99
16) Acetone	2.386	43	129393	107.856	ug/l	99
17) Carbon Disulfide	2.526	76	162207	18.559	ug/l	99
18) Methyl Acetate	2.715	43	64730	20.304	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	180970	19.682	ug/l	99
20) Methylene Chloride	2.800	84	64104	19.423	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	58746	19.002	ug/l	94
22) Diisopropyl ether	3.764	45	206970	19.712	ug/l	85
23) Vinyl Acetate	3.727	43	843578	100.169	ug/l	100
24) 1,1-Dichloroethane	3.623	63	111554	19.106	ug/l	99
25) 2-Butanone	4.568	43	170363	97.527	ug/l	100
26) 2,2-Dichloropropane	4.483	77	87690	19.402	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	70832	19.348	ug/l	99
28) Bromochloromethane	4.904	49	57619	21.450	ug/l	100
29) Tetrahydrofuran	5.026	42	105773	93.847	ug/l	98
30) Chloroform	5.105	83	115387	19.414	ug/l	99
31) Cyclohexane	5.477	56	106691	19.058	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	99754	19.324	ug/l	100
36) 1,1-Dichloropropene	5.702	75	79592	18.906	ug/l	98
37) Ethyl Acetate	4.727	43	76926	19.831	ug/l	99
38) Carbon Tetrachloride	5.684	117	86408	19.231	ug/l	98
39) Methylcyclohexane	7.385	83	103567	19.704	ug/l	98
40) Benzene	6.044	78	240826	19.767	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047255.D
Acq On : 07 Aug 2025 12:23
Operator : JC/MD
Sample : VX0807WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 08 02:41:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	37367	18.423	ug/l		92
42) 1,2-Dichloroethane	6.092	62	88512	20.624	ug/l		98
43) Isopropyl Acetate	6.342	43	123067	20.350	ug/l		100
44) Trichloroethene	7.135	130	60364	19.321	ug/l		99
45) 1,2-Dichloropropane	7.428	63	60603	19.861	ug/l		97
46) Dibromomethane	7.586	93	43758	20.449	ug/l		98
47) Bromodichloromethane	7.824	83	91266	20.038	ug/l		99
48) Methyl methacrylate	7.696	41	63959	19.414	ug/l		99
49) 1,4-Dioxane	7.714	88	13198	352.224	ug/l	#	75
51) 4-Methyl-2-Pentanone	8.574	43	359707	100.070	ug/l		99
52) Toluene	8.720	92	153097	20.437	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	84051	19.542	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	93981	19.965	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	58355	20.771	ug/l		97
56) Ethyl methacrylate	9.116	69	87048	20.930	ug/l		98
57) 1,3-Dichloropropane	9.305	76	99244	20.326	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	228113	98.562	ug/l		100
59) 2-Hexanone	9.427	43	246087	103.622	ug/l		100
60) Dibromochloromethane	9.519	129	67018	20.340	ug/l		99
61) 1,2-Dibromoethane	9.610	107	59559	20.275	ug/l		100
64) Tetrachloroethene	9.275	164	50356	19.389	ug/l		95
65) Chlorobenzene	10.080	112	168035	19.909	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56683	19.948	ug/l		99
67) Ethyl Benzene	10.195	91	294397	19.950	ug/l		99
68) m/p-Xylenes	10.299	106	219555	39.757	ug/l		100
69) o-Xylene	10.640	106	104604	19.911	ug/l		98
70) Styrene	10.653	104	180324	20.017	ug/l		99
71) Bromoform	10.799	173	42833	19.844	ug/l	#	98
73) Isopropylbenzene	10.957	105	279161	19.128	ug/l		100
74) N-amyl acetate	10.842	43	108707	18.461	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	80805	19.383	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	65160m	19.030	ug/l		
77) Bromobenzene	11.195	156	67218	19.202	ug/l		100
78) n-propylbenzene	11.299	91	338692	19.421	ug/l		100
79) 2-Chlorotoluene	11.360	91	199971	19.182	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	233945	19.403	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	18512	13.929	ug/l		98
82) 4-Chlorotoluene	11.451	91	235436	19.348	ug/l		98
83) tert-Butylbenzene	11.713	119	233417	19.288	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	235127	19.552	ug/l		100
85) sec-Butylbenzene	11.890	105	293924	19.439	ug/l		99
86) p-Isopropyltoluene	12.006	119	243036	19.383	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	129216	19.428	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	130475	19.363	ug/l		98
89) n-Butylbenzene	12.329	91	227712	19.365	ug/l		98
90) Hexachloroethane	12.536	117	42646	19.012	ug/l		94
91) 1,2-Dichlorobenzene	12.335	146	123799	19.475	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15642	19.548	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	81736	19.461	ug/l		99
94) Hexachlorobutadiene	13.725	225	28373	19.864	ug/l		98
95) Naphthalene	13.774	128	240001	19.492	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	76701	18.956	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047255.D
Acq On : 07 Aug 2025 12:23
Operator : JC/MD
Sample : VX0807WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 08 02:41:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025

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

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

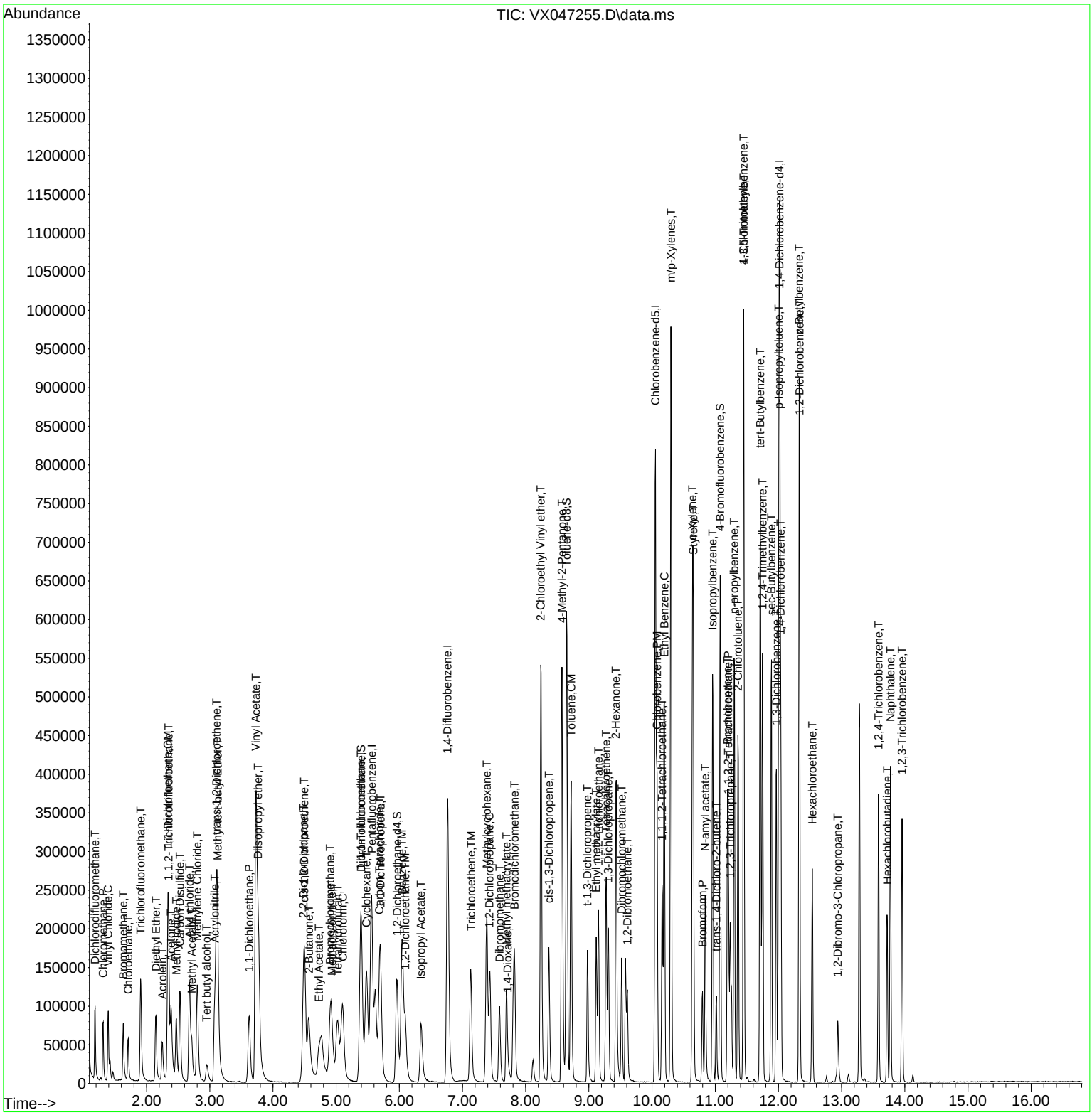
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
Data File : VX047255.D
Acq On : 07 Aug 2025 12:23
Operator : JC/MD
Sample : VX0807WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 08 02:41:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0807WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/08/2025
Supervised By :Mahesh Dadoda 08/08/2025



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

Manual Integration Report

Sequence:	VX072125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047055.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	1,4-Dichlorobenzene	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	1,4-Dioxane	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	Ethyl Acetate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	Methyl methacrylate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	N-amyl acetate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC005	VX047056.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:10 AM	MMDadoda	7/22/2025 1:41:02 PM	Peak Integrated by Software
VSTDICC005	VX047056.D	Ethyl Acetate	JOHN	7/22/2025 8:50:10 AM	MMDadoda	7/22/2025 1:41:02 PM	Peak Integrated by Software
VSTDICC020	VX047057.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:18 AM	MMDadoda	7/22/2025 1:41:03 PM	Peak Integrated by Software
VSTDICCC050	VX047058.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:23 AM	MMDadoda	7/22/2025 1:41:05 PM	Peak Integrated by Software
VSTDICC100	VX047059.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:28 AM	MMDadoda	7/22/2025 1:41:08 PM	Peak Integrated by Software
VSTDICC150	VX047060.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:32 AM	MMDadoda	7/22/2025 1:41:09 PM	Peak Integrated by Software
VSTDICV050	VX047062.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:40 AM	MMDadoda	7/22/2025 1:41:11 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX072125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX047062.D	1,4-Dioxane	JOHN	7/22/2025 8:50:40 AM	MMDadoda	7/22/2025 1:41:11 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vx080725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047251.D	1,2,3-Trichloropropane	JOHN	8/8/2025 8:28:12 AM	MMDadoda	8/8/2025 3:07:17 PM	Peak Integrated by Software
VX0807WBS01	VX047254.D	1,2,3-Trichloropropane	JOHN	8/8/2025 8:28:16 AM	MMDadoda	8/8/2025 3:07:18 PM	Peak Integrated by Software
VX0807WBSD01	VX047255.D	1,2,3-Trichloropropane	JOHN	8/8/2025 8:28:20 AM	MMDadoda	8/8/2025 3:07:20 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072125

Review By	John Carlone	Review On	7/22/2025 8:51:02 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:41:20 PM		
SubDirectory	VX072125	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134843
Initial Calibration Stds	VP134844,VP134845,VP134846,VP134847,VP134848,VP134849
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134850
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047054.D	21 Jul 2025 08:53	JC/MD	Ok
2	VSTDICC001	VX047055.D	21 Jul 2025 09:47	JC/MD	Ok,M
3	VSTDICC005	VX047056.D	21 Jul 2025 10:08	JC/MD	Ok,M
4	VSTDICC020	VX047057.D	21 Jul 2025 10:29	JC/MD	Ok,M
5	VSTDICCC050	VX047058.D	21 Jul 2025 10:50	JC/MD	Ok,M
6	VSTDICC100	VX047059.D	21 Jul 2025 11:11	JC/MD	Ok,M
7	VSTDICC150	VX047060.D	21 Jul 2025 11:32	JC/MD	Ok,M
8	IBLK	VX047061.D	21 Jul 2025 11:52	JC/MD	Ok
9	VSTDICV050	VX047062.D	21 Jul 2025 13:17	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX080725

Review By	John Carlone	Review On	8/8/2025 8:32:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/8/2025 3:07:26 PM		
SubDirectory	VX080725	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135030
Initial Calibration Stds	
CCC	VP135031,VP135032
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047250.D	07 Aug 2025 09:44	JC/MD	Ok
2	VSTDCCC050	VX047251.D	07 Aug 2025 10:15	JC/MD	Ok,M
3	VX0807MBL01	VX047252.D	07 Aug 2025 10:42	JC/MD	Ok
4	VX0807WBL01	VX047253.D	07 Aug 2025 11:03	JC/MD	Ok
5	VX0807WBS01	VX047254.D	07 Aug 2025 11:58	JC/MD	Ok,M
6	VX0807WBSD01	VX047255.D	07 Aug 2025 12:23	JC/MD	Ok,M
7	Q2790-02	VX047256.D	07 Aug 2025 12:45	JC/MD	Ok
8	Q2790-01	VX047257.D	07 Aug 2025 13:06	JC/MD	Dilution
9	IBLK	VX047258.D	07 Aug 2025 13:27	JC/MD	Ok
10	Q2790-01DL	VX047259.D	07 Aug 2025 13:48	JC/MD	Ok
11	Q2786-04	VX047260.D	07 Aug 2025 14:44	JC/MD	Ok,M
12	VX0807MBS01	VX047261.D	07 Aug 2025 15:42	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072125

Review By	John Carlone	Review On	7/22/2025 8:51:02 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:41:20 PM		
SubDirectory	VX072125	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134843
Initial Calibration Stds	VP134844,VP134845,VP134846,VP134847,VP134848,VP134849
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134850
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047054.D	21 Jul 2025 08:53		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047055.D	21 Jul 2025 09:47		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX047056.D	21 Jul 2025 10:08	Comp. #11 is on Linear Regression	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047057.D	21 Jul 2025 10:29		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047058.D	21 Jul 2025 10:50		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047059.D	21 Jul 2025 11:11		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047060.D	21 Jul 2025 11:32		JC/MD	Ok,M
8	IBLK	IBLK	VX047061.D	21 Jul 2025 11:52		JC/MD	Ok
9	VSTDICV050	ICVVX072125	VX047062.D	21 Jul 2025 13:17		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX080725

Review By	John Carlone	Review On	8/8/2025 8:32:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/8/2025 3:07:26 PM		
SubDirectory	VX080725	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135030
Initial Calibration Stds	
CCC	VP135031,VP135032
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047250.D	07 Aug 2025 09:44		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047251.D	07 Aug 2025 10:15	pH#Lot#V12668	JC/MD	Ok,M
3	VX0807MBL01	VX0807MBL01	VX047252.D	07 Aug 2025 10:42		JC/MD	Ok
4	VX0807WBL01	VX0807WBL01	VX047253.D	07 Aug 2025 11:03		JC/MD	Ok
5	VX0807WBS01	VX0807WBS01	VX047254.D	07 Aug 2025 11:58		JC/MD	Ok,M
6	VX0807WBSD01	VX0807WBSD01	VX047255.D	07 Aug 2025 12:23		JC/MD	Ok,M
7	Q2790-02	250806062-03 Trip blar	VX047256.D	07 Aug 2025 12:45	vial A pH#6.0 TB;Surrogate Fail	JC/MD	Ok
8	Q2790-01	250806078-01 VOA	VX047257.D	07 Aug 2025 13:06	vial A pH#6.0 Need 10X	JC/MD	Dilution
9	IBLK	IBLK	VX047258.D	07 Aug 2025 13:27		JC/MD	Ok
10	Q2790-01DL	250806078-01 VOADL	VX047259.D	07 Aug 2025 13:48	vial C pH#6.0	JC/MD	Ok
11	Q2786-04	PL-03-08062025	VX047260.D	07 Aug 2025 14:44		JC/MD	Ok,M
12	VX0807MBS01	VX0807MBS01	VX047261.D	07 Aug 2025 15:42		JC/MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Garden State Laboratories, Inc.

22790

Main Lab - 410 Hillside Avenue, Hillside NJ 07205 - NJDEP Lab Cert. #20044
Jersey Shore Lab - 54 Main Street, Waretown NJ 08758 - NJDEP Lab Cert. #15037

Tel. 800-273-8901/908-688-8900 Fax 908-688-8966 www.gslabs.com info@gslabs.com

Office and Drop off Locations

North Jersey Office: 225 Sparta Avenue, Sparta, NJ 07871 Tel. 973-729-1827

West Jersey Office: 2050 Route 31 North, Glen Gardner, NJ 08826 Tel. 908-537-7414

CHAIN OF CUSTODY RECORD - PRESS HARD AND PRINT CLEARLY - USE BALL POINT PEN

IMPORTANT: PRINTED NAMES & SIGNATURES ARE REQUIRED

OR SAMPLE RECEIVING USE ONLY

DATE/TIME/TEMP. REC'D AT LAB:

Page _____ of _____

GSL CLIENT #

MICRO #

CHEM. #

SAMPLE REC'D BY:

☐ GSL FIELD SAMPLER/PICK-UP

☐ PICK-UP AT DROP OFF LOCATION

☐ DELIVERED BY CLIENT

CLIENT INFORMATION (REPORT TO BE SENT TO)

Name: Garden State Laboratories, Inc. Contact/Authorized by: Elinor Battler

Mailing Address: 410 Hillside Ave. Phone: 908-688-8900 x 303

City/State/Zip: Hilside, NJ. 07205 Email: ebattler@gslabs.com

SAMPLE INFORMATION

SAMPLE TYPE: WASTE WATER

SAMPLE LOCATI ACUA SW LANDFILL LEACHATE TANKS

Grab	Comp	SAMPLE ID	SAMPLE COLLECTION Date	Time	AM	PM	ANALYSIS REQUIRED (Print Legibly) ☐ List attached Total Pages ____	CONTAINER INFORMATION No.	Type*	Size	Pres.*
X	X*	250806078-01 VOA	8/6/25	9:15	X		EPA 8260 TCL LIST + Acrolien & Acrylonitrile	3	V	40mL	A
X		250806062-03 Trip blank					EPA 8260 TCL LIST + Acrolien & Acı	2	V	40mL	A

KRG 8/6/25

⇨ *Container Type: P = Plastic G = Glass A = Amber Glass T = Sterile Thio V = Vial Other/Specify: _____*

⇨ *Preservation Code: A = Non Preserved B = Sulfuric Acid C = Sodium Hydroxide D = Nitric Acid E = Hydrochloric Acid F = Zinc Acetate G = Sodium Thiosulfate H = Ascorbic Acid I = Cooled Other/Specify: _____*

☒ SUBCONTRACTED WORK

TURNAROUND TIME: ☒ Stand ☐ Rush (IF RUSH REQUESTED) Rush Due by:

REPORT FORMA ☒ Standard Report ☐ Other/Specify:

☐ Standard Report + E2 PWS ID#:

SEND TO: Chem Tech

DATE/TIME:

METHOD OF SHIPMEN Deliver

PAYMENT INFORMATION

☐ Sampling/Pick-up Fee: $ ☐ Composite Fee: $ ☐ Rush Fee: $ Amount Due: $

Payment Method: ☐ Credit Card Type: ☐ Check # ☐ Other: See Quote

Note: ATL16

VOA UNPRESERVED DUE TO EFFERVESCENSE - 3 DAY TAT PER JORDAN HE

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION
PLEASE PRINT YOUR NAME LEGIBLY, USE FULL LEGAL SIGNATURE, DATE AND TIME

Sampled by (PRINT):	Signature:	Date/Time:
Client/Client's Representative (PRINT):	Signature:	Date/Time:
1. Received/Relinquished by (PRINT): Kaylee Evans	Signature: Kaylee Evans	Date/Time: 8/6/25 16:08
2. Received/Relinquished by (PRINT): MATT JACKSON	Signature:	Date/Time 8/7/25 8:50 AM

Cassanova Pena 8/7/25 8/7/25 23°C

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2790 GARD04
Client Name : Garden State Laboratories, I
Client Contact : Sharon Ercoliani
Invoice Name : Garden State Laboratories, I
Invoice Contact : Sharon Ercoliani

Order Date : 8/7/2025 8:49:00 AM
Project Name : Waste Water 2025
Receive DateTime : 8/7/2025 8:50:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 1
EDD Type : EXCEL NOCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2790-01	250806078-01 VOA	Water	08/06/2025	09:15					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days
Q2790-02	250806062-03 Trip blank	Water	08/06/2025	09:15					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days

Relinguished By : CP
Date / Time : 8/7/25 9:55

Received By : Sam
Date / Time : 08/07/25 9:55 Py ff 4-5

Storage Area : VOA Refridgerator Room