

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

LAB CHRONICLE

OrderID:	Q3362	OrderDate:	10/16/2025 9:55:00 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
Q3362-01	VOA 251015085-01	Water			10/15/25			10/16/25
			VOCMS Group1	624.1				
			VOCMS Group2	8260-Low				
Q3362-02	Trip blank 251015076-03	Water			10/15/25			10/16/25
			VOCMS Group1	624.1				
			VOCMS Group2	8260-Low				

Hit Summary Sheet
SW-846

SDG No.: Q3362

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	VOA 251015085-01							
Q3362-01	VOA 251015085-01 Water		Dichlorodifluoromethane	0.31	J	0.22	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		Chloroethane	0.66	J	0.47	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		Methyl tert-butyl Ether	0.71	J	0.16	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		Benzene	1.70		0.15	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		Toluene	0.44	J	0.14	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		Chlorobenzene	16.2		0.12	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		m/p-Xylenes	3.00		0.24	2.00	ug/L
Q3362-01	VOA 251015085-01 Water		o-Xylene	2.40		0.12	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		Isopropylbenzene	0.57	J	0.12	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		1,4-Dichlorobenzene	7.00		0.19	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		1,2-Dichlorobenzene	0.55	J	0.16	1.00	ug/L
			Total Voc :			33.5		
Q3362-01	VOA 251015085-01 Water		Tetrahydrofuran	* 170	J	0.99	5.00	ug/L
Q3362-01	VOA 251015085-01 Water		Tert butyl alcohol	* 370	J	5.50	25.0	ug/L
Q3362-01	VOA 251015085-01 Water		Diethyl Ether	* 15.8	J	0.31	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		2-Chlorotoluene	* 0.51	J	0.14	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		1,3,5-Trimethylbenzene	* 0.24	J	0.15	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		1,2,4-Trimethylbenzene	* 1.30	J	0.14	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		Naphthalene	* 3.60	J	0.20	1.00	ug/L
Q3362-01	VOA 251015085-01 Water		1,4-Dioxane	* 210	J	6.90	100	ug/L
			Total Tics :			771		
			Total Concentration:			805		



QC SUMMARY

Surrogate Summary

SDG No.: Q3362

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3362-01	VOA 251015085-01	1,2-Dichloroethane-d4	50	53.5	107		74	125
		Dibromofluoromethane	50	51.8	104		75	124
		Toluene-d8	50	48.2	96		86	113
		4-Bromofluorobenzene	50	61.0	122	*	77	121
Q3362-02	Trip blank 251015076-03	1,2-Dichloroethane-d4	50	54.1	108		74	125
		Dibromofluoromethane	50	58.5	117		75	124
		Toluene-d8	50	47.6	95		86	113
		4-Bromofluorobenzene	50	58.3	117		77	121
VX1017WBL01	VX1017WBL01	1,2-Dichloroethane-d4	50	53.1	106		74	125
		Dibromofluoromethane	50	51.2	102		75	124
		Toluene-d8	50	50.0	100		86	113
		4-Bromofluorobenzene	50	59.1	118		77	121
VX1017WBS01	VX1017WBS01	1,2-Dichloroethane-d4	50	43.7	87		74	125
		Dibromofluoromethane	50	51.2	102		75	124
		Toluene-d8	50	48.1	96		86	113
		4-Bromofluorobenzene	50	47.9	96		77	121
VX1017WBSD0	VX1017WBSD01	1,2-Dichloroethane-d4	50	45.5	91		74	125
		Dibromofluoromethane	50	50.6	101		75	124
		Toluene-d8	50	47.7	95		86	113
		4-Bromofluorobenzene	50	48.3	97		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3362</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Garden State Laboratories, Inc.</u>	Datafile :	<u>VX048209.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1017WBS01	Dichlorodifluoromethane	20	18.3	ug/L	92			69	116	
	Chloromethane	20	18.5	ug/L	93			65	116	
	Vinyl chloride	20	18.7	ug/L	94			65	117	
	Bromomethane	20	19.2	ug/L	96			58	125	
	Chloroethane	20	17.9	ug/L	90			56	128	
	Trichlorofluoromethane	20	17.8	ug/L	89			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.5	ug/L	98			80	112	
	1,1-Dichloroethene	20	19.1	ug/L	96			74	110	
	Acetone	100	86.1	ug/L	86			60	125	
	Carbon disulfide	20	18.8	ug/L	94			64	112	
	Methyl tert-butyl Ether	20	19.2	ug/L	96			78	114	
	Methyl Acetate	20	18.9	ug/L	95			67	125	
	Methylene Chloride	20	18.7	ug/L	94			72	114	
	trans-1,2-Dichloroethene	20	20.1	ug/L	101			75	108	
	1,1-Dichloroethane	20	18.1	ug/L	91			78	112	
	Cyclohexane	20	20.9	ug/L	104			75	110	
	2-Butanone	100	95.3	ug/L	95			65	122	
	Carbon Tetrachloride	20	19.9	ug/L	100			77	113	
	cis-1,2-Dichloroethene	20	18.2	ug/L	91			77	110	
	Bromochloromethane	20	18.9	ug/L	95			70	124	
	Chloroform	20	18.2	ug/L	91			79	113	
	1,1,1-Trichloroethane	20	19.8	ug/L	99			80	108	
	Methylcyclohexane	20	20.5	ug/L	103			72	115	
	Benzene	20	19.5	ug/L	98			82	109	
	1,2-Dichloroethane	20	19.9	ug/L	100			80	115	
	Trichloroethene	20	19.5	ug/L	98			77	113	
	1,2-Dichloropropane	20	19.3	ug/L	97			83	111	
	Bromodichloromethane	20	19.3	ug/L	97			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	20.1	ug/L	101			82	110	
	t-1,3-Dichloropropene	20	19.4	ug/L	97			79	110	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			82	110	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			83	112	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	20.5	ug/L	103			82	110	
	1,2-Dibromoethane	20	20.9	ug/L	104			81	110	
	Tetrachloroethene	20	18.9	ug/L	95			67	123	
	Chlorobenzene	20	19.3	ug/L	97			82	109	
	Ethyl Benzene	20	19.4	ug/L	97			83	109	
	m/p-Xylenes	40	39.5	ug/L	99			82	110	
	o-Xylene	20	19.9	ug/L	100			83	109	
	Styrene	20	20.0	ug/L	100			80	111	
	Bromoform	20	19.0	ug/L	95			79	109	
	Isopropylbenzene	20	19.8	ug/L	99			83	112	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/L	97			76	118	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			82	108	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			82	107	
	1,2-Dichlorobenzene	20	18.9	ug/L	95			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3362</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Garden State Laboratories, Inc.</u>	Datafile :	<u>VX048209.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX1017WBS01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/L	95			68	112	
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			75	113	
	1,2,3-Trichlorobenzene	20	19.4	ug/L	97			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3362</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Garden State Laboratories, Inc.</u>	Datafile :	<u>VX048210.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1017WBSD01	Dichlorodifluoromethane	20	17.5	ug/L	88	4		69	116	19
	Chloromethane	20	17.5	ug/L	88	6		65	116	21
	Vinyl chloride	20	18.5	ug/L	93	1		65	117	19
	Bromomethane	20	18.5	ug/L	93	3		58	125	20
	Chloroethane	20	17.3	ug/L	86	5		56	128	20
	Trichlorofluoromethane	20	17.8	ug/L	89	0		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94	4		80	112	15
	1,1-Dichloroethene	20	18.5	ug/L	93	3		74	110	20
	Acetone	100	83.7	ug/L	84	2		60	125	20
	Carbon disulfide	20	18.5	ug/L	93	1		64	112	20
	Methyl tert-butyl Ether	20	18.8	ug/L	94	2		78	114	20
	Methyl Acetate	20	19.6	ug/L	98	3		67	125	20
	Methylene Chloride	20	18.3	ug/L	92	2		72	114	20
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	9		75	108	16
	1,1-Dichloroethane	20	17.7	ug/L	89	2		78	112	20
	Cyclohexane	20	20.3	ug/L	102	2		75	110	20
	2-Butanone	100	96.7	ug/L	97	2		65	122	26
	Carbon Tetrachloride	20	19.7	ug/L	99	1		77	113	15
	cis-1,2-Dichloroethene	20	18.2	ug/L	91	0		77	110	20
	Bromochloromethane	20	18.8	ug/L	94	1		70	124	20
	Chloroform	20	18.5	ug/L	93	2		79	113	20
	1,1,1-Trichloroethane	20	19.2	ug/L	96	3		80	108	20
	Methylcyclohexane	20	19.9	ug/L	100	3		72	115	20
	Benzene	20	19.2	ug/L	96	2		82	109	15
	1,2-Dichloroethane	20	20.5	ug/L	103	3		80	115	20
	Trichloroethene	20	18.5	ug/L	93	5		77	113	15
	1,2-Dichloropropane	20	19.7	ug/L	99	2		83	111	16
	Bromodichloromethane	20	19.5	ug/L	98	1		83	110	16
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		74	118	25
	Toluene	20	20.0	ug/L	100	1		82	110	16
	t-1,3-Dichloropropene	20	20.5	ug/L	103	6		79	110	20
	cis-1,3-Dichloropropene	20	19.8	ug/L	99	1		82	110	16
	1,1,2-Trichloroethane	20	20.5	ug/L	103	0		83	112	20
	2-Hexanone	100	110	ug/L	110	10		73	117	25
	Dibromochloromethane	20	21.2	ug/L	106	3		82	110	20
	1,2-Dibromoethane	20	21.1	ug/L	106	2		81	110	20
	Tetrachloroethene	20	18.9	ug/L	95	0		67	123	15
	Chlorobenzene	20	19.3	ug/L	97	0		82	109	15
	Ethyl Benzene	20	18.2	ug/L	91	6		83	109	16
	m/p-Xylenes	40	37.2	ug/L	93	6		82	110	15
	o-Xylene	20	18.5	ug/L	93	7		83	109	20
	Styrene	20	19.0	ug/L	95	5		80	111	17
	Bromoform	20	18.8	ug/L	94	1		79	109	20
	Isopropylbenzene	20	19.9	ug/L	100	1		83	112	29
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101	4		76	118	20
	1,3-Dichlorobenzene	20	19.4	ug/L	97	2		82	108	20
	1,4-Dichlorobenzene	20	18.9	ug/L	95	1		82	107	15
	1,2-Dichlorobenzene	20	19.3	ug/L	97	2		82	109	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3362</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Garden State Laboratories, Inc.</u>	Datafile :	<u>VX048210.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1017WBSD01	1,2-Dibromo-3-Chloropropane	20	20.3	ug/L	102	7		68	112	20
	1,2,4-Trichlorobenzene	20	19.3	ug/L	97	1		75	113	29
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103	6		76	114	29

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1017WBL01

Lab Name: Alliance

Contract: GARD04

Lab Code: ACE

SDG NO.: Q3362

Lab File ID: VX048207.D

Lab Sample ID: VX1017WBL01

Date Analyzed: 10/17/2025

Time Analyzed: 13:15

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
VX1017WBS01	VX1017WBS01	VX048209.D	10/17/2025
VX1017WBSD01	VX1017WBSD01	VX048210.D	10/17/2025
Trip blank 251015076-03	Q3362-02	VX048212.D	10/17/2025
VOA 251015085-01	Q3362-01	VX048221.D	10/17/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GARD04

Lab Code: ACE

SDG NO.: Q3362

Lab File ID: VX048197.D

BFB Injection Date: 10/17/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:17

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	20.5
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71.6
175	5.0 - 9.0% of mass 174	5.3 (7.4) 1
176	95.0 - 101.0% of mass 174	68.1 (95.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX048198.D	10/17/2025	08:45
VSTDIC005	VSTDIC005	VX048199.D	10/17/2025	09:14
VSTDIC020	VSTDIC020	VX048200.D	10/17/2025	09:35
VSTDIC050	VSTDIC050	VX048201.D	10/17/2025	09:55
VSTDIC100	VSTDIC100	VX048202.D	10/17/2025	10:16
VSTDIC150	VSTDIC150	VX048203.D	10/17/2025	10:36
VX1017WBL01	VX1017WBL01	VX048207.D	10/17/2025	13:15
VX1017WBS01	VX1017WBS01	VX048209.D	10/17/2025	14:03
VX1017WBSD01	VX1017WBSD01	VX048210.D	10/17/2025	14:30
Trip blank 251015076-03	Q3362-02	VX048212.D	10/17/2025	15:11
VOA 251015085-01	Q3362-01	VX048221.D	10/17/2025	18:17

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04
 Lab Code: ACE SDG NO.: Q3362
 Lab File ID: VX048201.D Date Analyzed: 10/17/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:55
 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	144905	5.54	233738	6.75	208719	10.04
UPPER LIMIT	289810	6.044	467476	7.245	417438	10.537
LOWER LIMIT	72452.5	5.044	116869	6.245	104360	9.537
EPA SAMPLE NO.						
VOA 251015085-01	97761	5.54	190470	6.75	206452	10.04
Trip blank 251015076-03	101378	5.54	201098	6.75	214674	10.04
VX1017WBL01	129436	5.54	259480	6.75	275267	10.04
VX1017WBS01	157010	5.54	248908	6.75	238012	10.04
VX1017WBSD01	149269	5.53	237242	6.75	228640	10.04

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04
 Lab Code: ACE SDG NO.: Q3362
 Lab File ID: VX048201.D Date Analyzed: 10/17/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:55
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	103673	12.00€				
UPPER LIMIT	207346	12.50€				
LOWER LIMIT	51836.5	11.50€				
EPA SAMPLE NO.						
VOA 251015085-01	112369	12.01				
Trip blank 251015076-03	114293	12.01				
VX1017WBL01	138959	12.01				
VX1017WBS01	112861	12.01				
VX1017WBSD01	106057	12.00				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.



SAMPLE DATA

Report of Analysis

Client: Garden State Laboratories, Inc.
Project: Waste Water 2025
Client Sample ID: VOA 251015085-01
Lab Sample ID: Q3362-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/16/25
SDG No.: Q3362
Matrix: Water
% Solid: 0
Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.31	J	1	0.22	1.00	ug/L	10/17/25 18:17	VX101725
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/17/25 18:17	VX101725
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/17/25 18:17	VX101725
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/17/25 18:17	VX101725
75-00-3	Chloroethane	0.66	J	1	0.47	1.00	ug/L	10/17/25 18:17	VX101725
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/17/25 18:17	VX101725
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/17/25 18:17	VX101725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 18:17	VX101725
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/17/25 18:17	VX101725
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/17/25 18:17	VX101725
1634-04-4	Methyl tert-butyl Ether	0.71	J	1	0.16	1.00	ug/L	10/17/25 18:17	VX101725
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/17/25 18:17	VX101725
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/17/25 18:17	VX101725
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 18:17	VX101725
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/17/25 18:17	VX101725
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/17/25 18:17	VX101725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/17/25 18:17	VX101725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/17/25 18:17	VX101725
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/17/25 18:17	VX101725
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 18:17	VX101725
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/17/25 18:17	VX101725
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/17/25 18:17	VX101725
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/17/25 18:17	VX101725
71-43-2	Benzene	1.70		1	0.15	1.00	ug/L	10/17/25 18:17	VX101725
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 18:17	VX101725
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/17/25 18:17	VX101725
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/17/25 18:17	VX101725
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 18:17	VX101725
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/17/25 18:17	VX101725
108-88-3	Toluene	0.44	J	1	0.14	1.00	ug/L	10/17/25 18:17	VX101725
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/17/25 18:17	VX101725
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/17/25 18:17	VX101725
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/17/25 18:17	VX101725
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	10/17/25 18:17	VX101725
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/17/25 18:17	VX101725
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/17/25 18:17	VX101725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 18:17	VX101725
108-90-7	Chlorobenzene	16.2		1	0.12	1.00	ug/L	10/17/25 18:17	VX101725
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/17/25 18:17	VX101725
179601-23-1	m/p-Xylenes	3.00		1	0.24	2.00	ug/L	10/17/25 18:17	VX101725
95-47-6	o-Xylene	2.40		1	0.12	1.00	ug/L	10/17/25 18:17	VX101725
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/17/25 18:17	VX101725
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/17/25 18:17	VX101725

Report of Analysis

Client: Garden State Laboratories, Inc.
 Project: Waste Water 2025
 Client Sample ID: VOA 251015085-01
 Lab Sample ID: Q3362-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected: 10/15/25
 Date Received: 10/16/25
 SDG No.: Q3362
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.57	J	1	0.12	1.00	ug/L	10/17/25 18:17	VX101725
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/17/25 18:17	VX101725
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/17/25 18:17	VX101725
106-46-7	1,4-Dichlorobenzene	7.00		1	0.19	1.00	ug/L	10/17/25 18:17	VX101725
95-50-1	1,2-Dichlorobenzene	0.55	J	1	0.16	1.00	ug/L	10/17/25 18:17	VX101725
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/17/25 18:17	VX101725
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/17/25 18:17	VX101725
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/17/25 18:17	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.5			74 - 125	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.8			75 - 124	104%	SPK: 50		
2037-26-5	Toluene-d8	48.2			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	61.0	*		77 - 121	122%	SPK: 50		
INTERNAL STANDARDS		Area Count							
363-72-4	Pentafluorobenzene	97800							
540-36-3	1,4-Difluorobenzene	190000							
3114-55-4	Chlorobenzene-d5	206000							
3855-82-1	1,4-Dichlorobenzene-d4	112000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	15.8	J			2.14	ug/L		
75-65-0	Tert butyl alcohol	370	J			2.94	ug/L		
109-99-9	Tetrahydrofuran	170	J			5.00	ug/L		
123-91-1	1,4-Dioxane	210	J			7.65	ug/L		
95-49-8	2-Chlorotoluene	0.51	J			11.3	ug/L		
108-67-8	1,3,5-Trimethylbenzene	0.24	J			11.4	ug/L		
95-63-6	1,2,4-Trimethylbenzene	1.30	J			11.7	ug/L		
91-20-3	Naphthalene	3.60	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\VX101725\
 Data File : VX048221.D
 Acq On : 17 Oct 2025 18:17
 Operator : JC/MD
 Sample : Q3362-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VOA 251015085-01

Quant Time: Oct 18 00:23:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

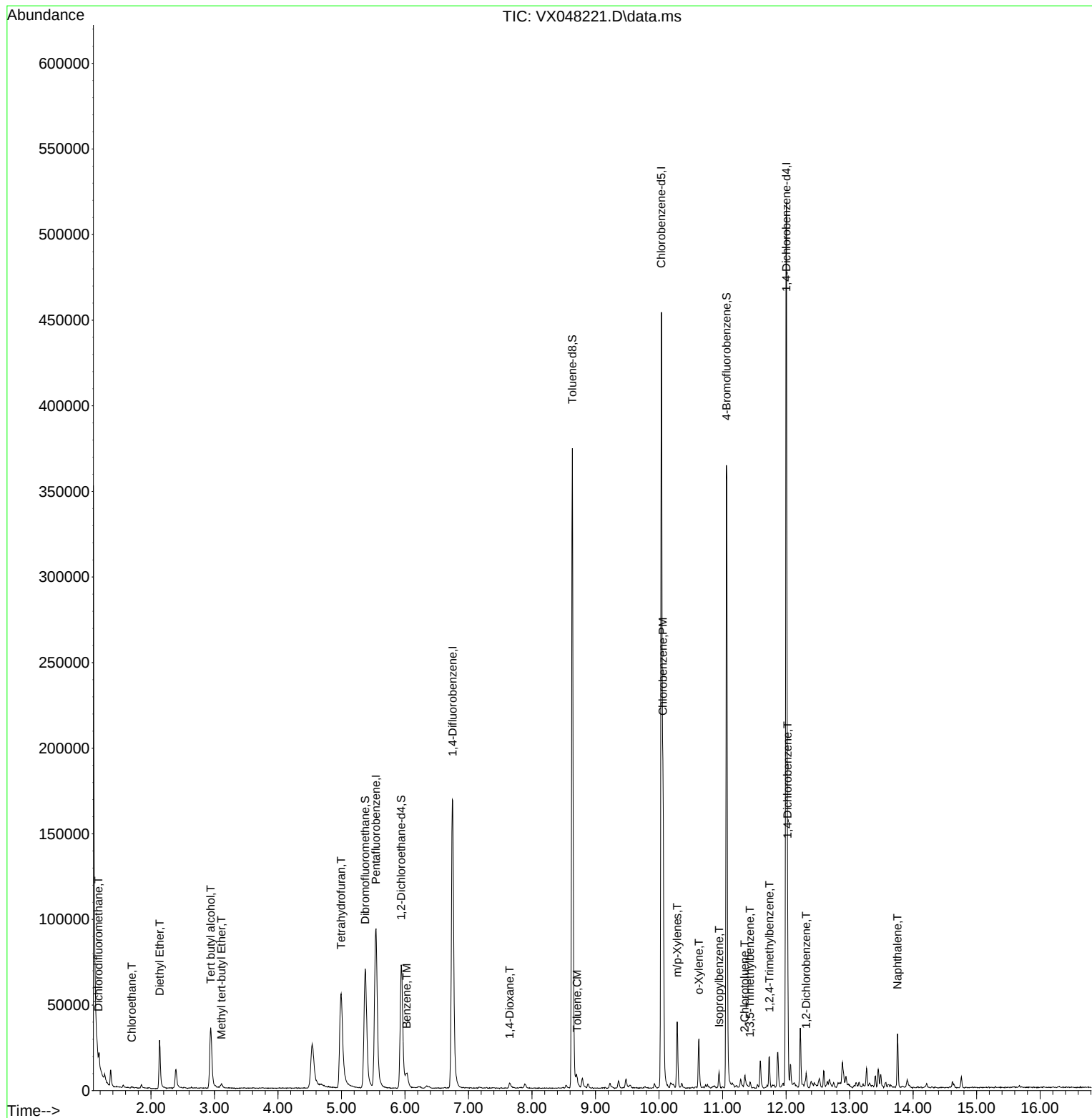
Internal Standards						
1) Pentafluorobenzene	5.544	168	97761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	190470	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	206452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	81026	53.500	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.000%	
35) Dibromofluoromethane	5.373	113	68442	51.775	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.560%	
50) Toluene-d8	8.635	98	229561	48.204	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.400%	
62) 4-Bromofluorobenzene	11.061	95	105775	60.981	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 121.960%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	321	0.313	ug/l	91
6) Chloroethane	1.697	64	548	0.657	ug/l #	84
8) Diethyl Ether	2.136	74	11098	15.825	ug/l	93
11) Tert butyl alcohol	2.940	59	37150	369.684	ug/l	95
19) Methyl tert-butyl Ether	3.111	73	2420	0.709	ug/l #	79
29) Tetrahydrofuran	4.995	42	59622	168.672	ug/l	96
40) Benzene	6.025	78	9451	1.709	ug/l	96
49) 1,4-Dioxane	7.647	88	2455	213.263	ug/l #	94
52) Toluene	8.708	92	1464	0.441	ug/l	95
65) Chlorobenzene	10.061	112	73129	16.200	ug/l	100
68) m/p-Xylenes	10.287	106	8633	2.994	ug/l	96
69) o-Xylene	10.628	106	6618	2.438	ug/l	99
73) Isopropylbenzene	10.945	105	4468	0.572	ug/l	99
79) 2-Chlorotoluene	11.347	91	2902	0.507	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1508	0.235	ug/l	91
84) 1,2,4-Trimethylbenzene	11.738	105	8309	1.301	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	26585	7.012	ug/l	95
91) 1,2-Dichlorobenzene	12.317	146	1899	0.550	ug/l	97
95) Naphthalene	13.756	128	19310	3.591	ug/l	100

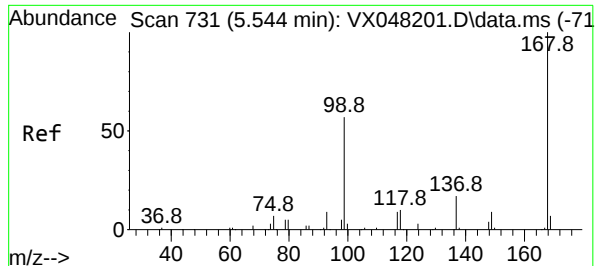
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048221.D
Acq On : 17 Oct 2025 18:17
Operator : JC/MD
Sample : Q3362-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

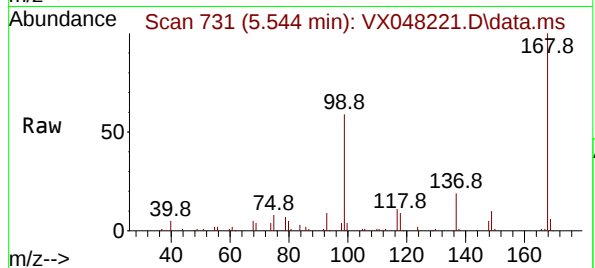
Quant Time: Oct 18 00:23:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration



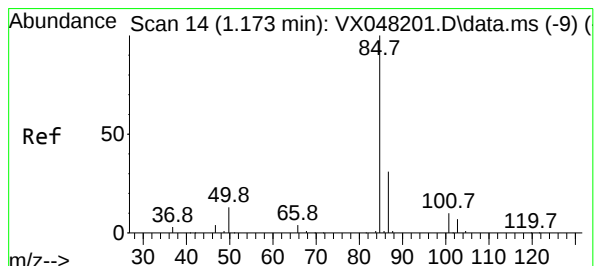
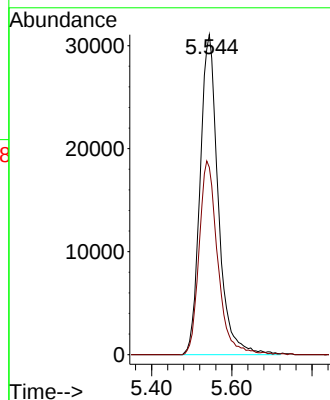
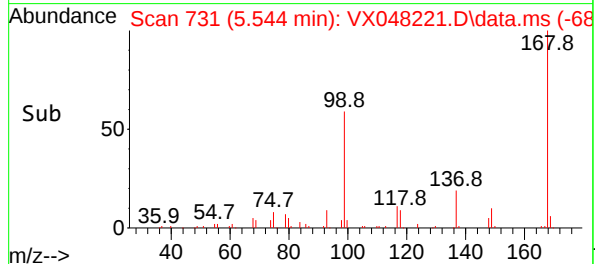


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

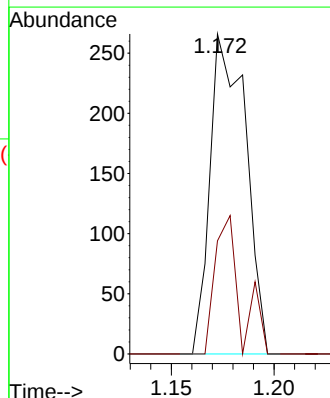
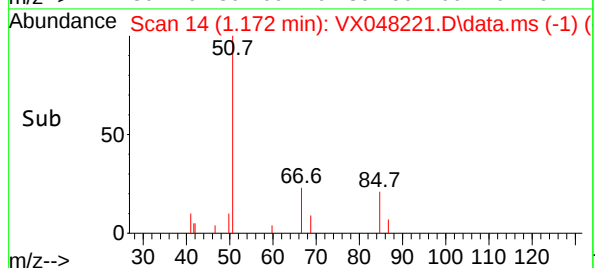
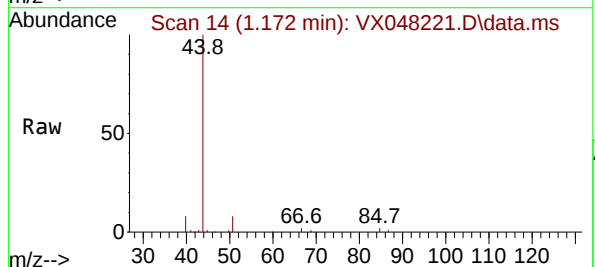


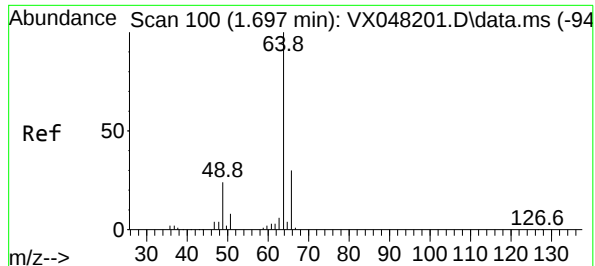
Tgt Ion:168 Resp: 97761
Ion Ratio Lower Upper
168 100
99 58.6 46.4 69.6



#2
Dichlorodifluoromethane
Concen: 0.313 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion: 85 Resp: 321
Ion Ratio Lower Upper
85 100
87 35.3 15.3 45.9

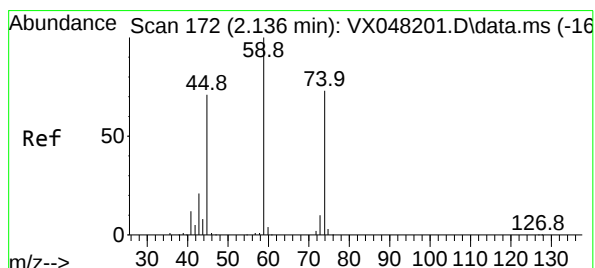
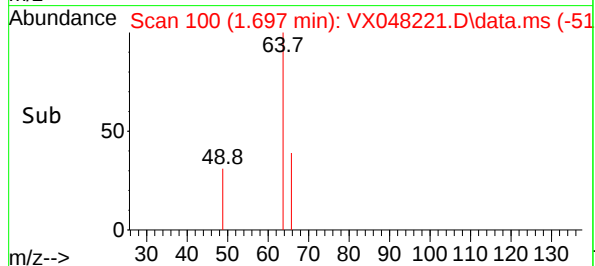
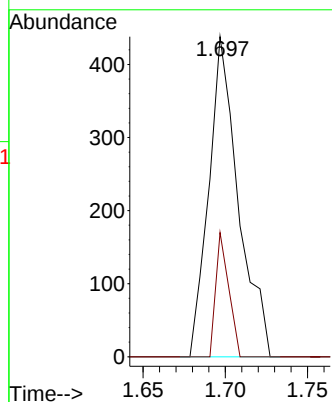
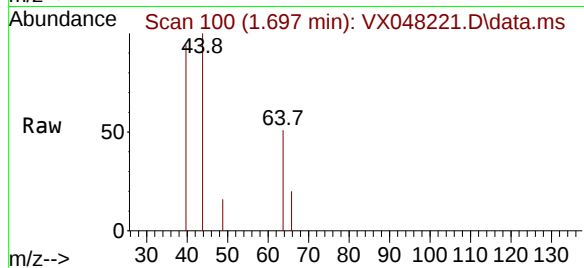




#6
Chloroethane
Concen: 0.657 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

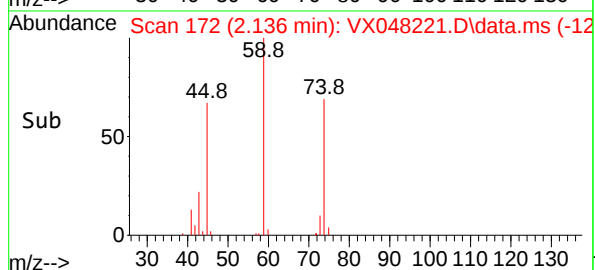
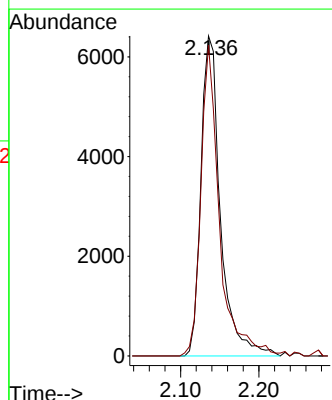
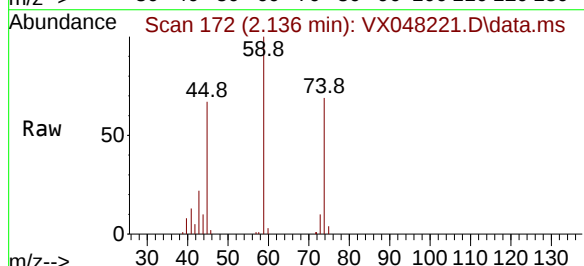
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

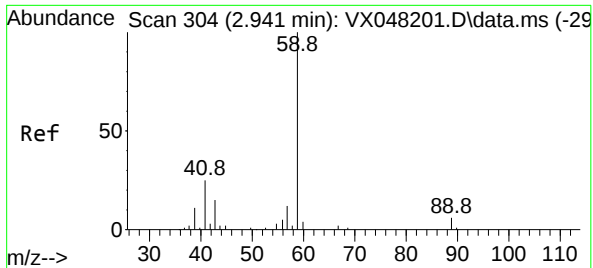
Tgt Ion: 64 Resp: 548
Ion Ratio Lower Upper
64 100
66 38.8 23.9 35.9#



#8
Diethyl Ether
Concen: 15.825 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion: 74 Resp: 11098
Ion Ratio Lower Upper
74 100
45 93.1 50.0 149.8





#11

Tert butyl alcohol

Concen: 369.684 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.000 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

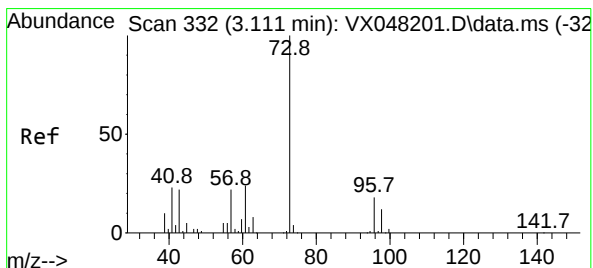
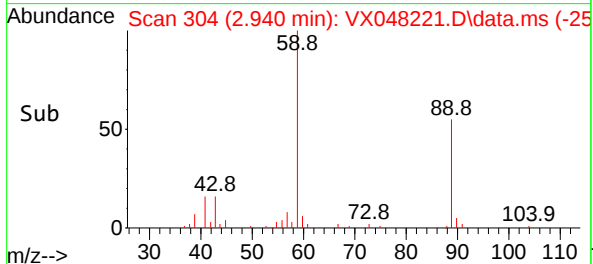
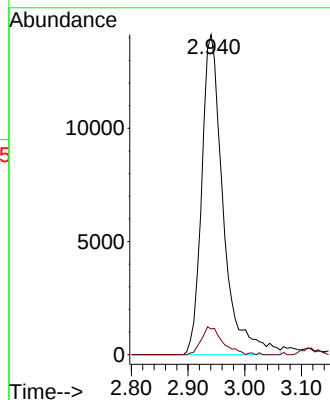
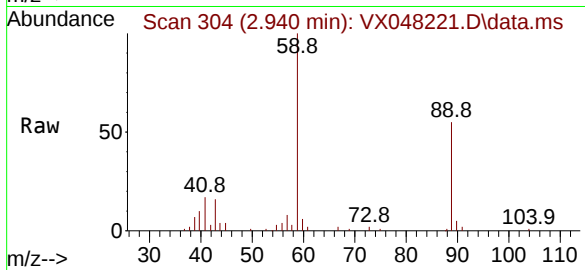
VOA 251015085-01

Tgt Ion: 59 Resp: 37150

Ion Ratio Lower Upper

59 100

57 8.5 8.2 12.4



#19

Methyl tert-butyl Ether

Concen: 0.709 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX048221.D

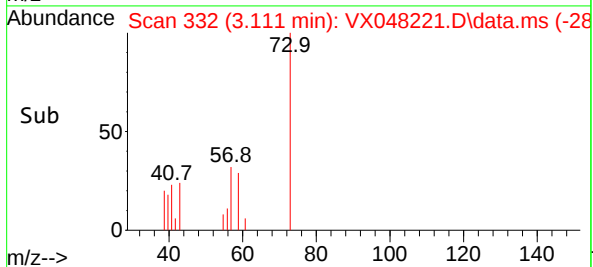
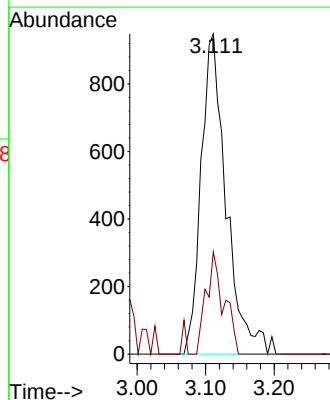
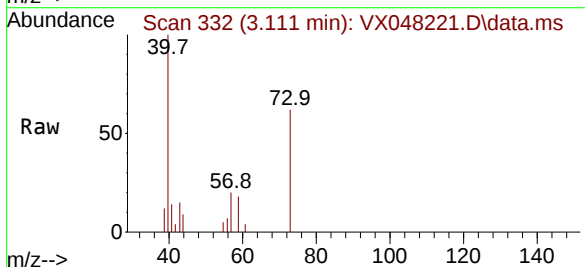
Acq: 17 Oct 2025 18:17

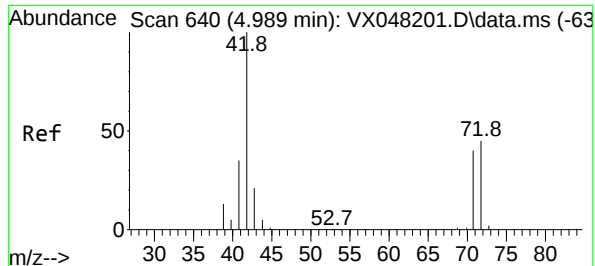
Tgt Ion: 73 Resp: 2420

Ion Ratio Lower Upper

73 100

57 32.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 168.672 ug/l

RT: 4.995 min Scan# 641

Delta R.T. 0.006 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

VOA 251015085-01

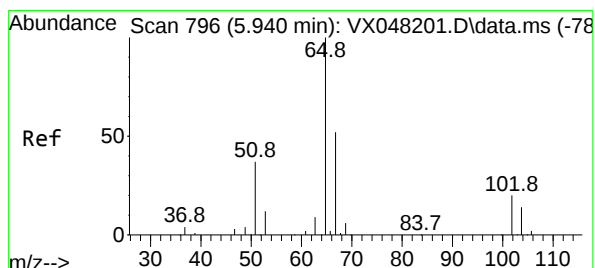
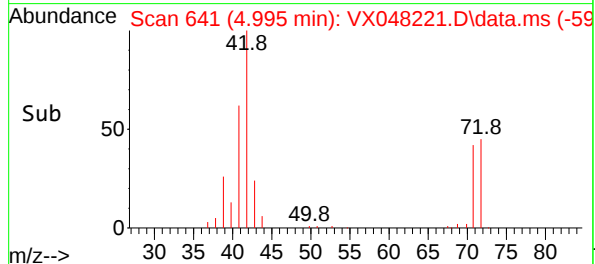
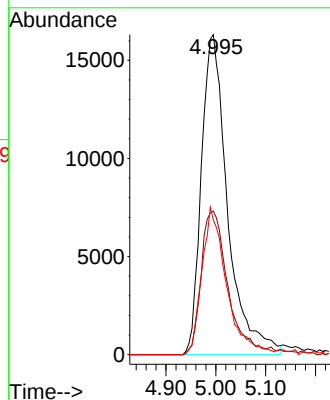
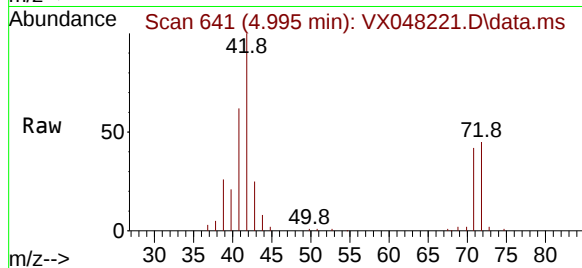
Tgt Ion: 42 Resp: 59622

Ion Ratio Lower Upper

42 100

72 46.7 35.3 52.9

71 43.2 32.2 48.4



#33

1,2-Dichloroethane-d4

Concen: 53.500 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048221.D

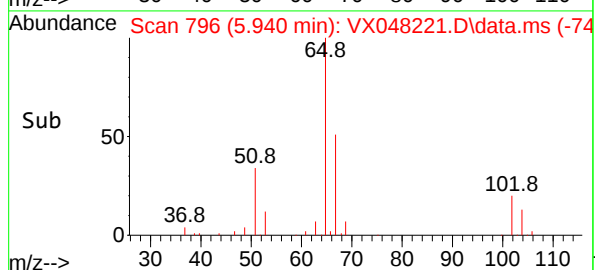
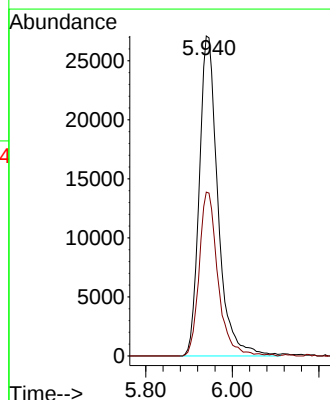
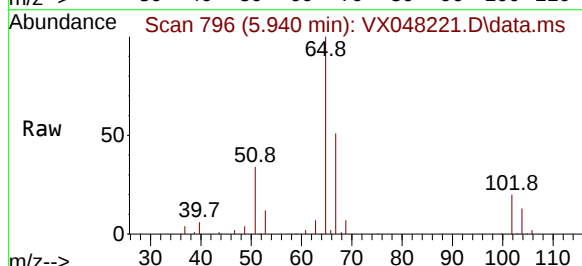
Acq: 17 Oct 2025 18:17

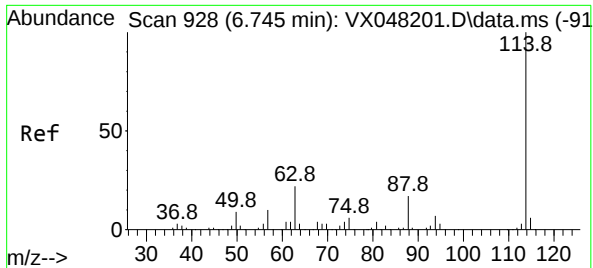
Tgt Ion: 65 Resp: 81026

Ion Ratio Lower Upper

65 100

67 51.3 0.0 105.0

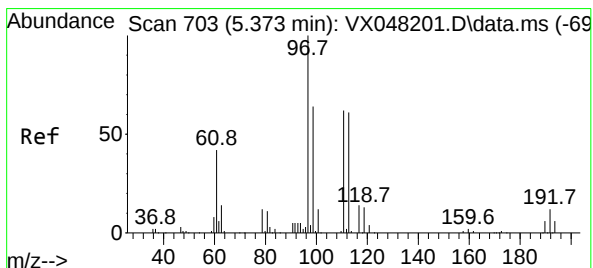
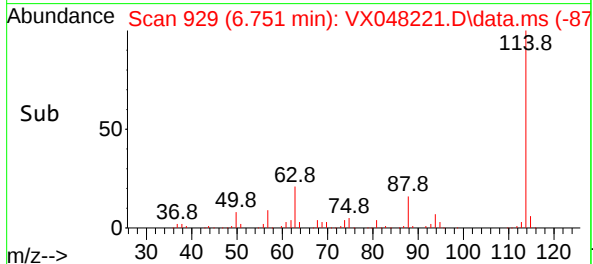
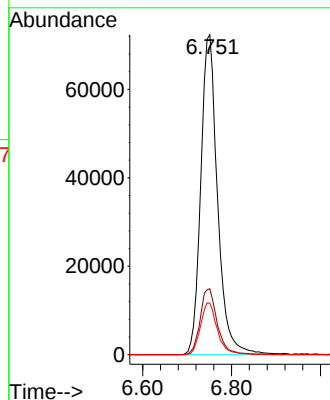
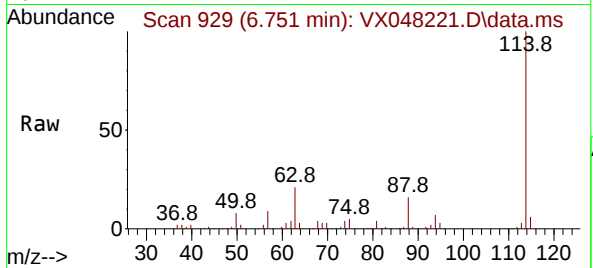




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

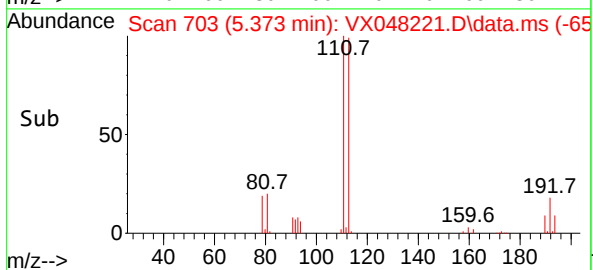
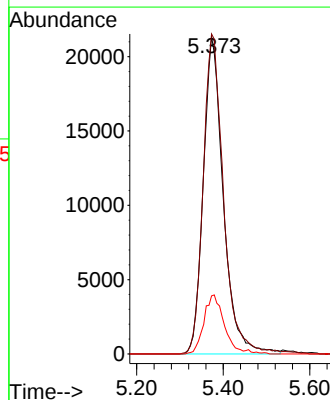
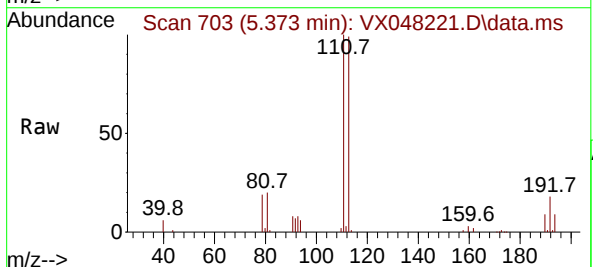
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

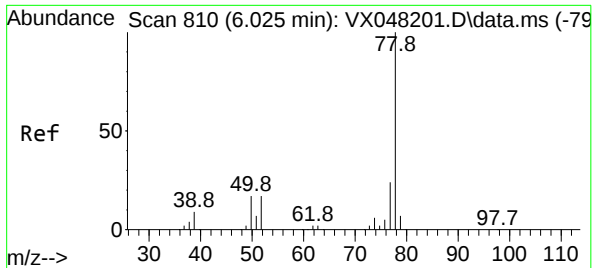
Tgt Ion:114 Resp: 190470
Ion Ratio Lower Upper
114 100
63 20.6 0.0 43.2
88 16.1 0.0 33.6



#35
Dibromofluoromethane
Concen: 51.775 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion:113 Resp: 68442
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.4
192 19.2 15.1 22.7





#40

Benzene

Concen: 1.709 ug/l

RT: 6.025 min Scan# 81

Delta R.T. -0.000 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

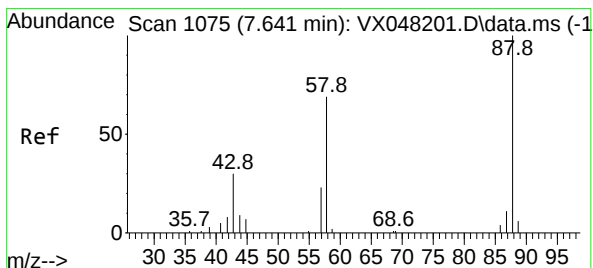
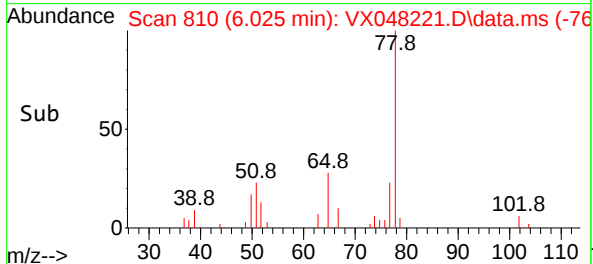
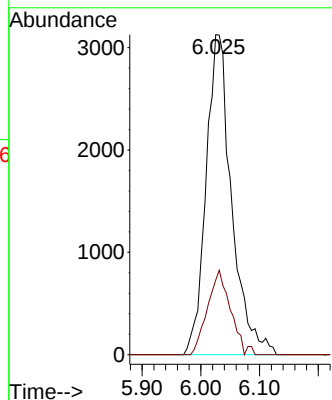
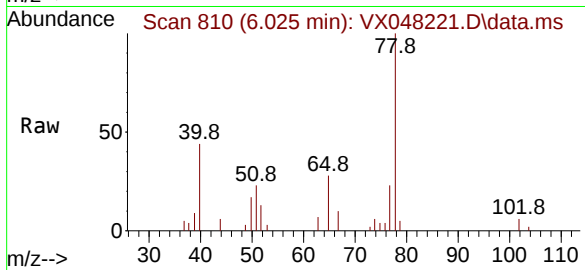
VOA 251015085-01

Tgt Ion: 78 Resp: 9451

Ion Ratio Lower Upper

78 100

77 22.2 19.3 28.9



#49

1,4-Dioxane

Concen: 213.263 ug/l

RT: 7.647 min Scan# 1076

Delta R.T. 0.006 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

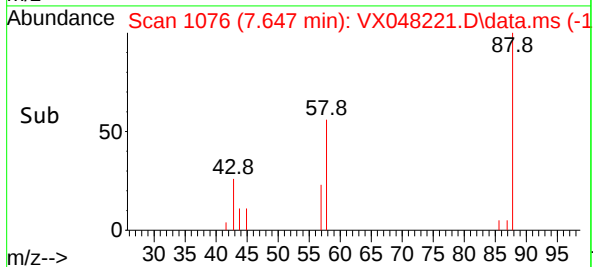
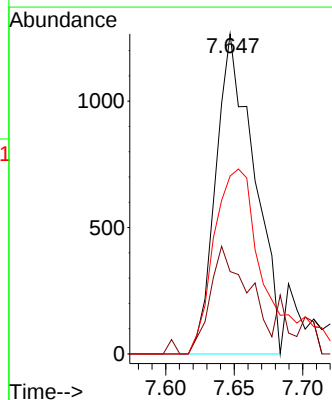
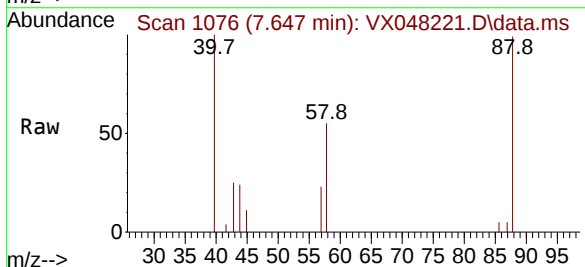
Tgt Ion: 88 Resp: 2455

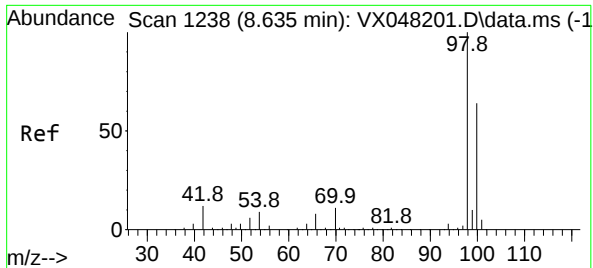
Ion Ratio Lower Upper

88 100

43 34.0 35.0 52.4#

58 77.6 61.9 92.9

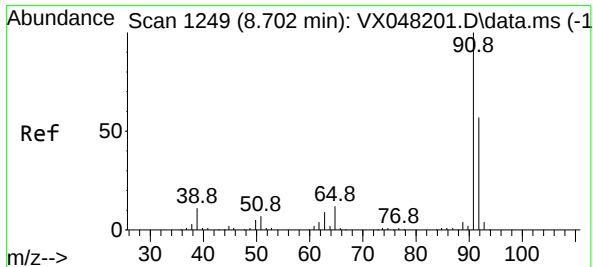
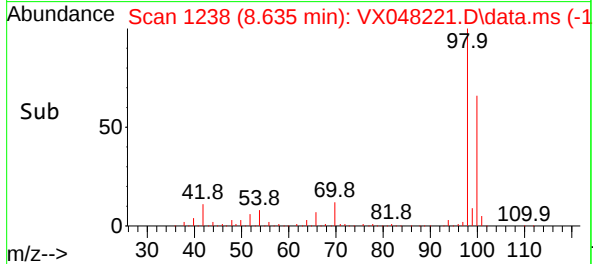
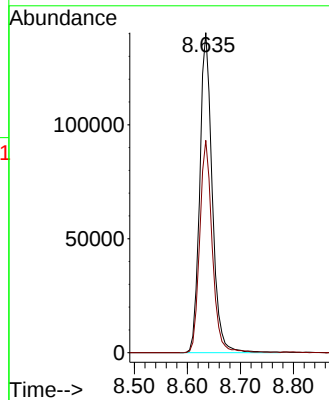
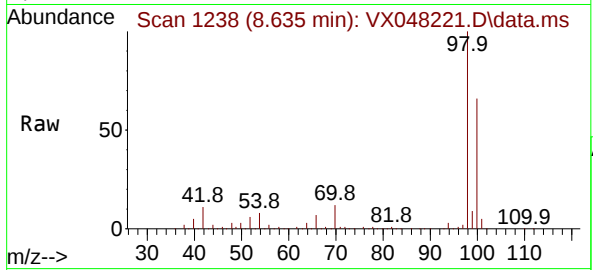




#50
Toluene-d8
Concen: 48.204 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

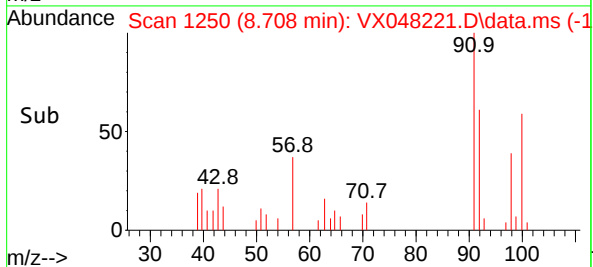
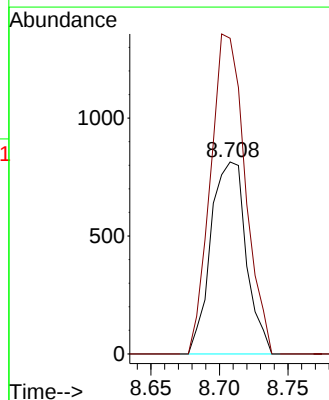
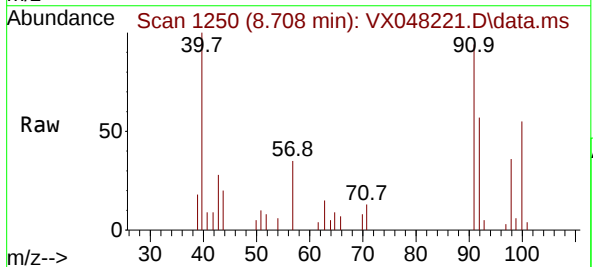
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

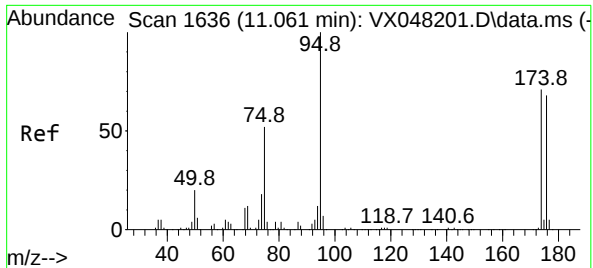
Tgt Ion: 98 Resp: 229561
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#52
Toluene
Concen: 0.441 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion: 92 Resp: 1464
Ion Ratio Lower Upper
92 100
91 162.9 136.1 204.1

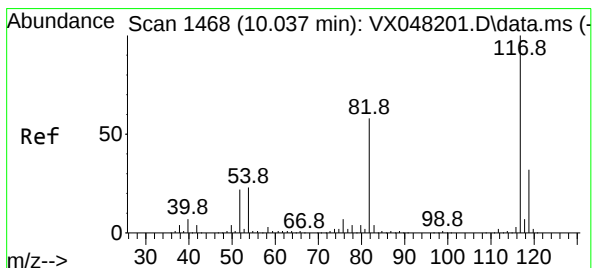
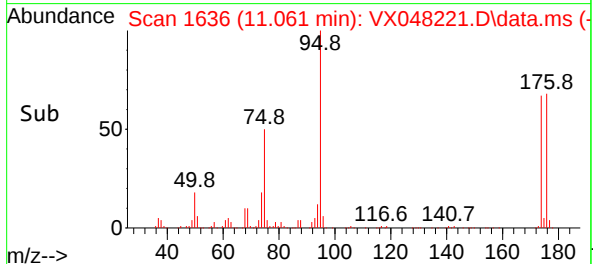
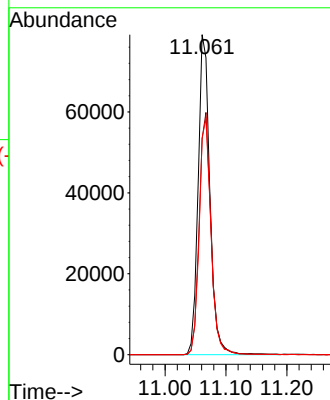
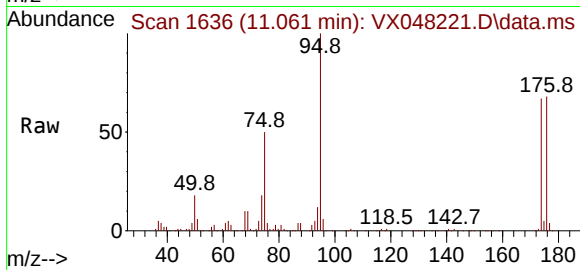




#62
4-Bromofluorobenzene
Concen: 60.981 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

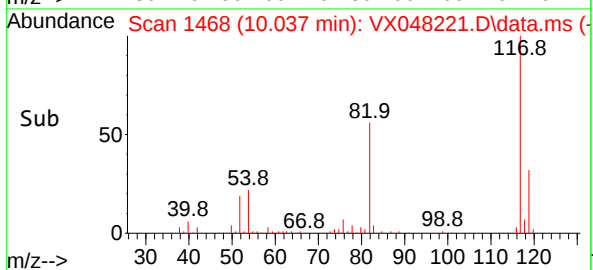
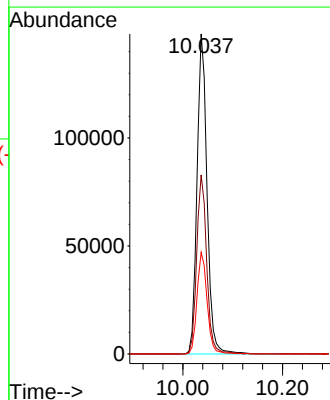
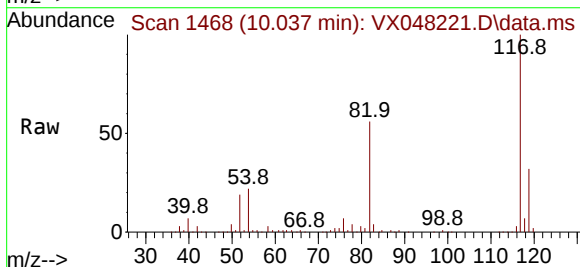
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

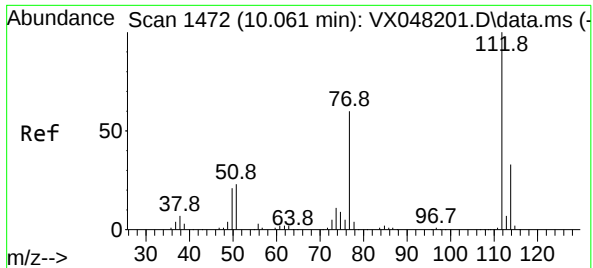
Tgt Ion: 95 Resp: 105775
Ion Ratio Lower Upper
95 100
174 76.0 0.0 147.8
176 74.3 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion: 117 Resp: 206452
Ion Ratio Lower Upper
117 100
82 55.9 46.5 69.7
119 31.8 25.9 38.9

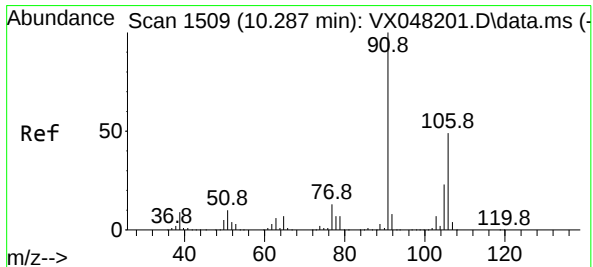
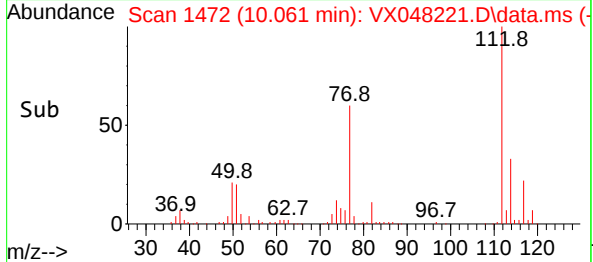
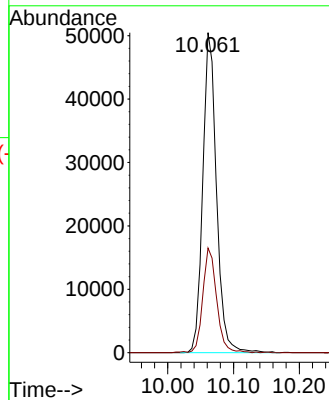
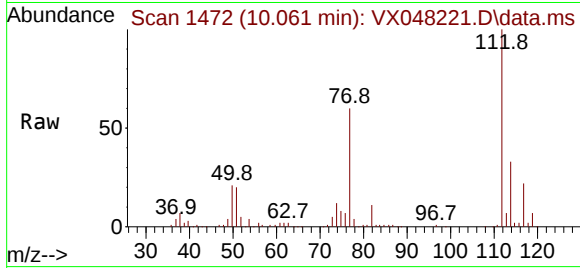




#65
Chlorobenzene
Concen: 16.200 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

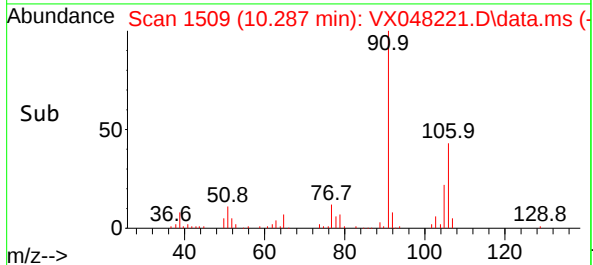
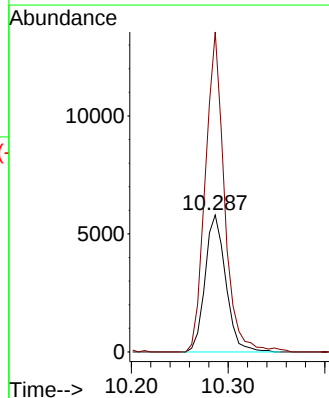
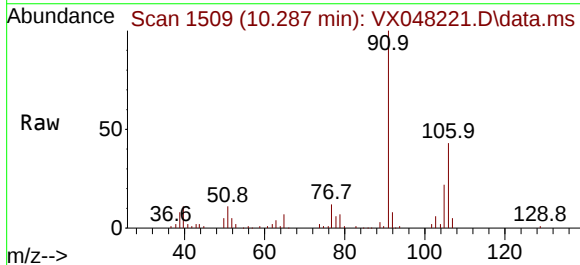
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

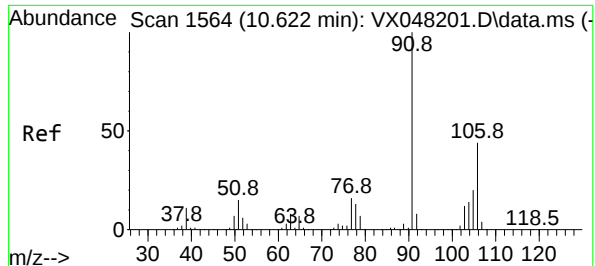
Tgt Ion:112 Resp: 73129
Ion Ratio Lower Upper
112 100
114 32.7 26.2 39.2



#68
m/p-Xylenes
Concen: 2.994 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion:106 Resp: 8633
Ion Ratio Lower Upper
106 100
91 216.0 167.9 251.9





#69

o-Xylene

Concen: 2.438 ug/l

RT: 10.628 min Scan# 1564

Delta R.T. 0.006 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

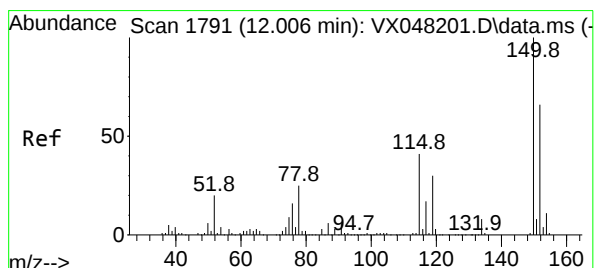
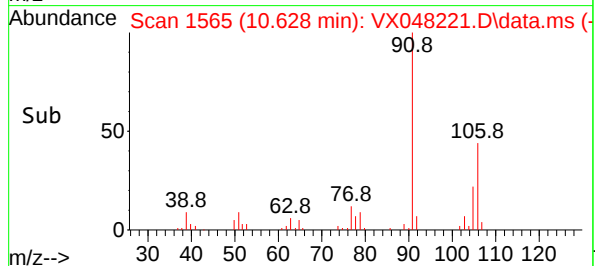
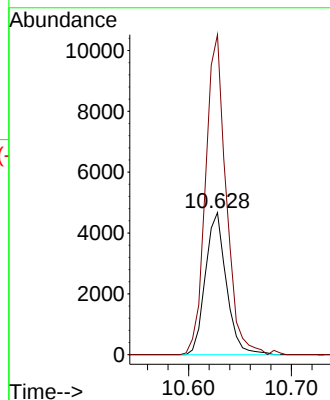
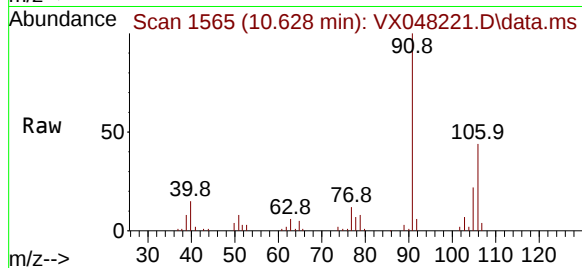
VOA 251015085-01

Tgt Ion:106 Resp: 6618

Ion Ratio Lower Upper

106 100

91 220.8 111.3 333.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

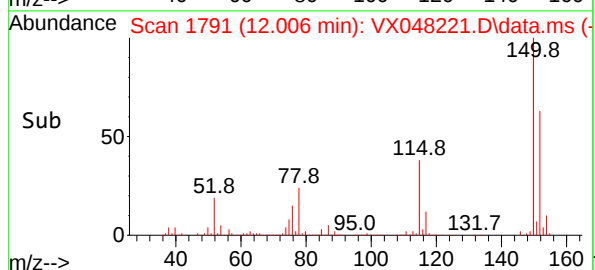
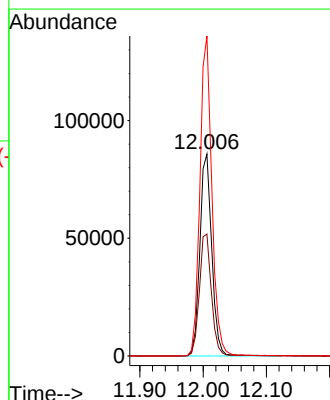
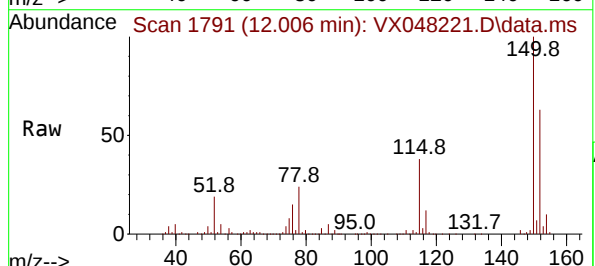
Tgt Ion:152 Resp: 112369

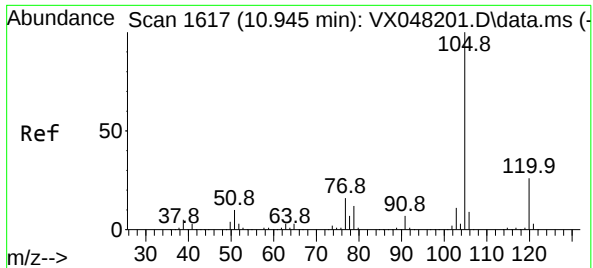
Ion Ratio Lower Upper

152 100

115 61.0 43.1 129.4

150 159.0 0.0 353.0

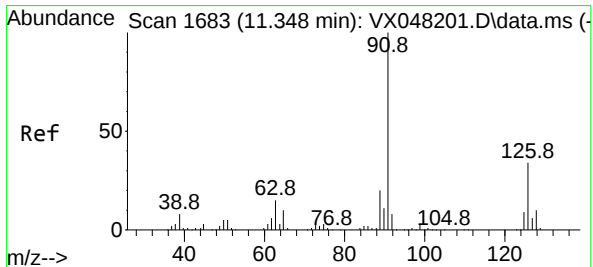
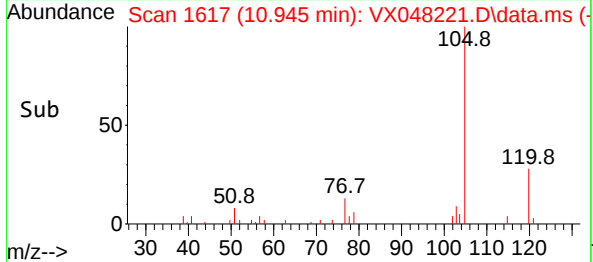
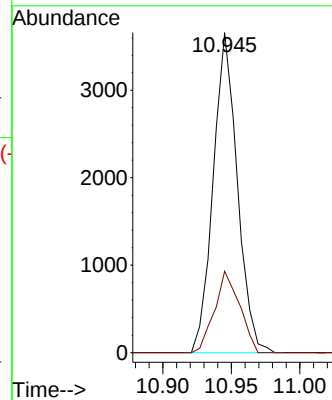
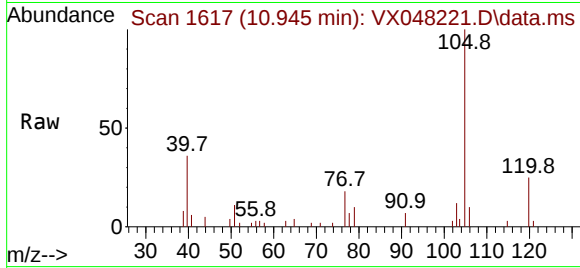




#73
Isopropylbenzene
Concen: 0.572 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

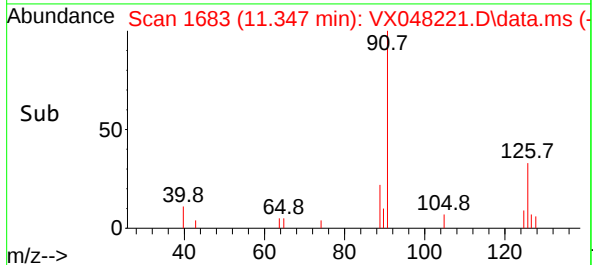
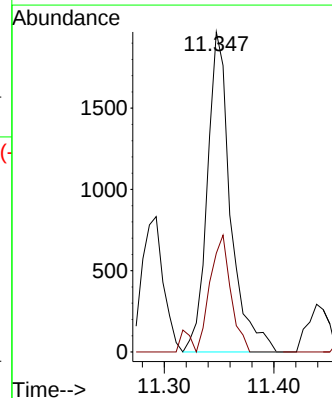
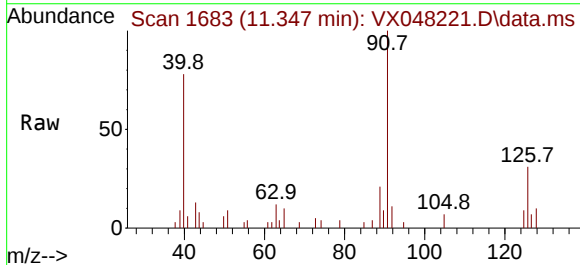
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

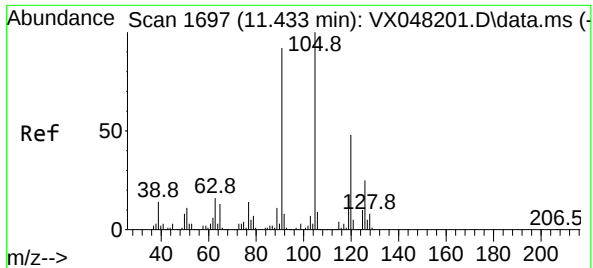
Tgt Ion:105 Resp: 4468
Ion Ratio Lower Upper
105 100
120 26.4 13.0 38.9



#79
2-Chlorotoluene
Concen: 0.507 ug/l
RT: 11.347 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion: 91 Resp: 2902
Ion Ratio Lower Upper
91 100
126 32.4 16.4 49.4

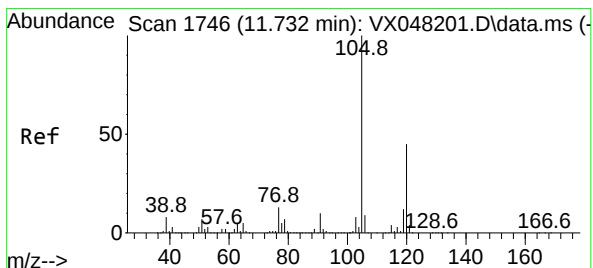
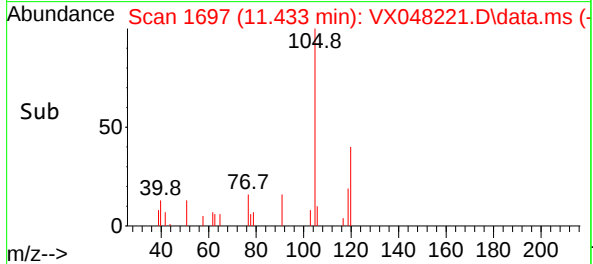
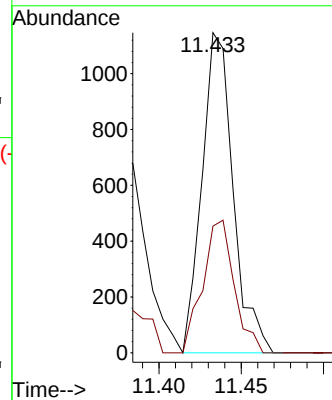
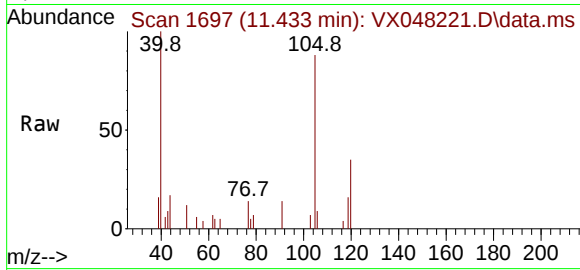




#80
1,3,5-Trimethylbenzene
Concen: 0.235 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

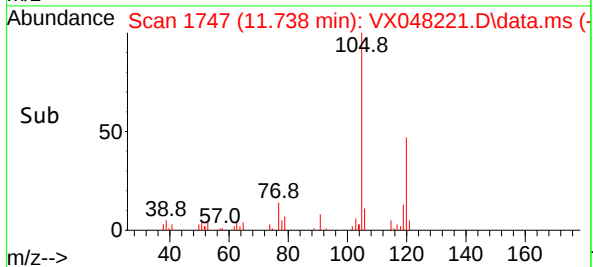
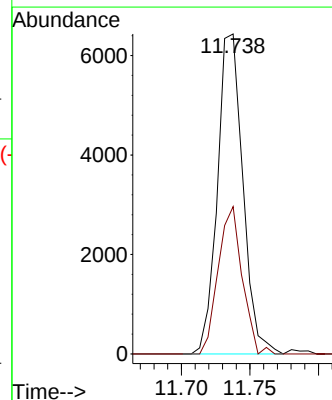
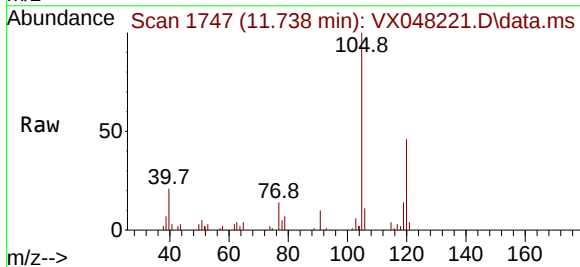
Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

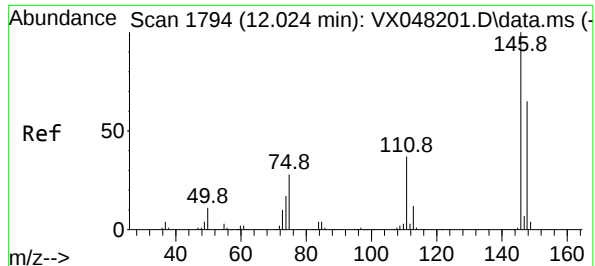
Tgt Ion:105 Resp: 1508
Ion Ratio Lower Upper
105 100
120 41.9 24.0 72.0



#84
1,2,4-Trimethylbenzene
Concen: 1.301 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048221.D
Acq: 17 Oct 2025 18:17

Tgt Ion:105 Resp: 8309
Ion Ratio Lower Upper
105 100
120 43.4 22.1 66.5





#88

1,4-Dichlorobenzene

Concen: 7.012 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

VOA 251015085-01

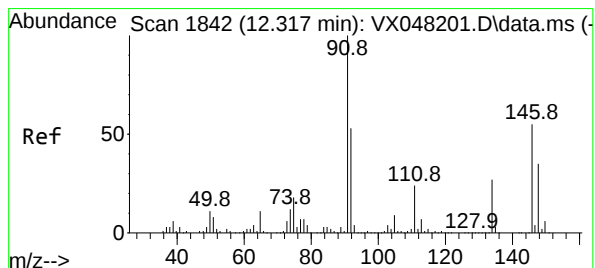
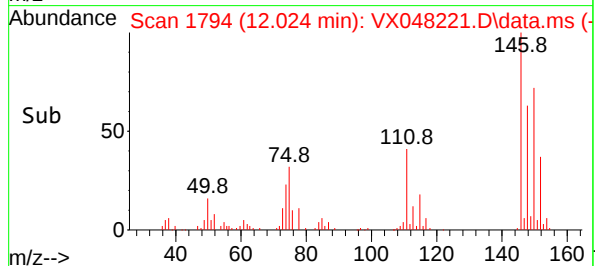
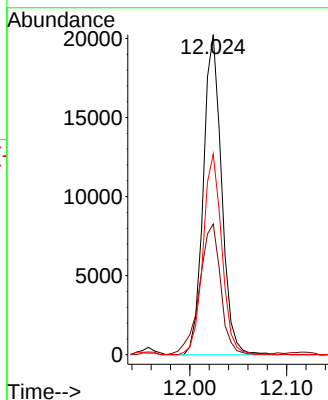
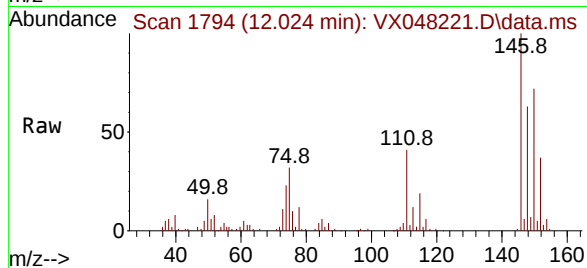
Tgt Ion:146 Resp: 26585

Ion Ratio Lower Upper

146 100

111 47.5 20.1 60.2

148 64.3 31.8 95.3



#91

1,2-Dichlorobenzene

Concen: 0.550 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VX048221.D

Acq: 17 Oct 2025 18:17

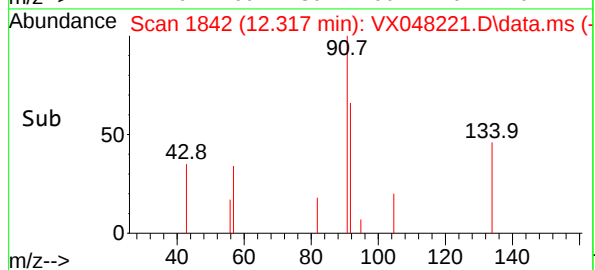
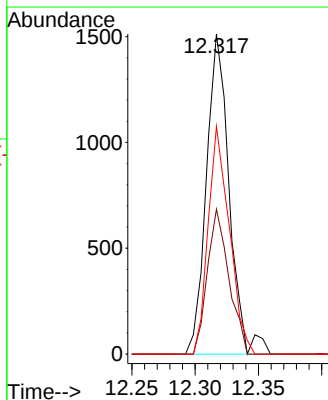
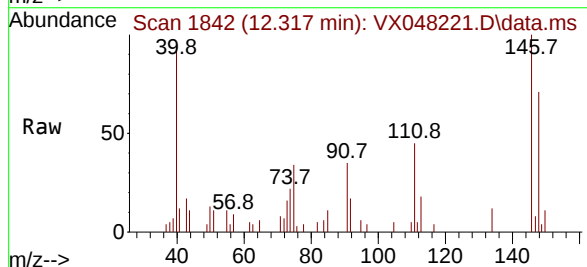
Tgt Ion:146 Resp: 1899

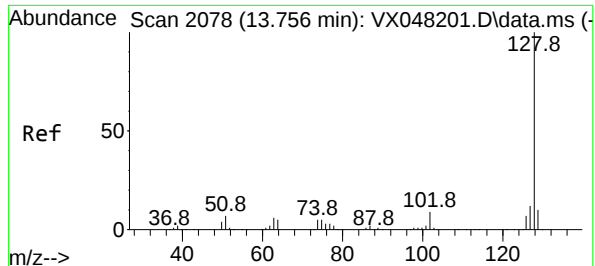
Ion Ratio Lower Upper

146 100

111 42.7 21.9 65.5

148 66.2 31.9 95.5





#95

Naphthalene

Concen: 3.591 ug/l

RT: 13.756 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX048221.D

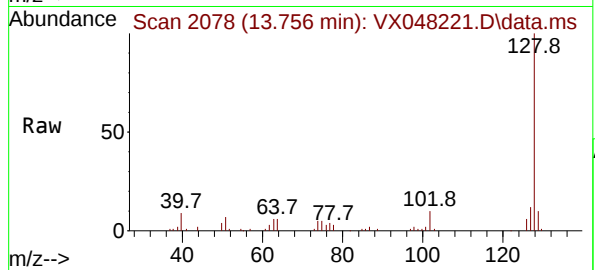
Acq: 17 Oct 2025 18:17

Instrument :

MSVOA_X

ClientSampleId :

VOA 251015085-01



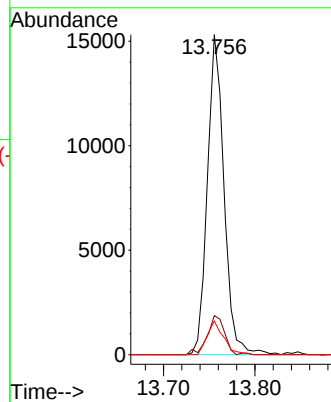
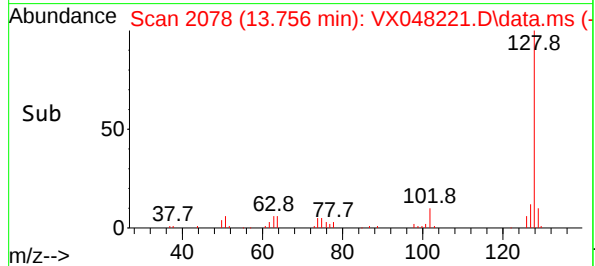
Tgt Ion:128 Resp: 19310

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.4 8.6 12.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048221.D
 Acq On : 17 Oct 2025 18:17
 Operator : JC/MD
 Sample : Q3362-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VOA 251015085-01

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\82X101725W.M
 Title : SW846 8260

Signal : TIC: VX048221.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.361	42	45	55	rVB3	9784	15058	1.74%	0.309%
2	2.136	165	172	183	rBV	28376	47833	5.52%	0.983%
3	2.392	205	214	225	rBV2	11110	25645	2.96%	0.527%
4	2.940	297	304	315	rBV2	35239	87419	10.09%	1.796%
5	4.538	554	566	582	rBV2	25788	101222	11.68%	2.080%
6	4.995	631	641	667	rBV2	54872	201455	23.25%	4.139%
7	5.373	691	703	720	rBV	69744	223786	25.82%	4.598%
8	5.544	720	731	752	rVB2	92735	293237	33.84%	6.024%
9	5.940	786	796	806	rBV	72135	207914	23.99%	4.271%
10	6.745	917	928	949	rBV	168532	445482	51.41%	9.152%
11	8.635	1231	1238	1247	rBV	373727	608028	70.16%	12.492%
12	8.702	1247	1249	1259	rVV5	7968	15041	1.74%	0.309%
13	8.793	1259	1264	1275	rVB2	5615	11542	1.33%	0.237%
14	9.482	1372	1377	1383	rBV4	5137	9372	1.08%	0.193%
15	10.037	1460	1468	1489	rBV2	452915	866600	100.00%	17.804%
16	10.287	1504	1509	1516	rVV	38350	54444	6.28%	1.119%
17	10.628	1560	1565	1572	rBV	28611	40556	4.68%	0.833%
18	10.945	1612	1617	1623	rVB	9443	12632	1.46%	0.260%
19	11.061	1631	1636	1649	rBV	363637	506954	58.50%	10.415%
20	11.354	1680	1684	1694	rVV3	6610	11537	1.33%	0.237%
21	11.591	1719	1723	1733	rVB	15861	23686	2.73%	0.487%
22	11.738	1743	1747	1751	rVB	17769	22558	2.60%	0.463%
23	11.872	1763	1769	1775	rBV2	20285	30189	3.48%	0.620%
24	12.006	1784	1791	1799	rBV2	515610	787039	90.82%	16.169%
25	12.067	1799	1801	1806	rVB	11811	14717	1.70%	0.302%
26	12.225	1821	1827	1831	rBV2	34715	46354	5.35%	0.952%
27	12.317	1836	1842	1849	rVB4	8651	15234	1.76%	0.313%
28	12.396	1849	1855	1861	rBV7	3821	8930	1.03%	0.183%
29	12.524	1872	1876	1883	rVB4	5183	9382	1.08%	0.193%
30	12.591	1883	1887	1892	rBV2	9670	12493	1.44%	0.257%
31	12.890	1931	1936	1941	rBV2	12506	21745	2.51%	0.447%
32	13.268	1994	1998	2002	rVB2	10277	13481	1.56%	0.277%
33	13.451	2024	2028	2031	rVV3	10248	14143	1.63%	0.291%
34	13.493	2031	2035	2042	rVB5	7692	12745	1.47%	0.262%
35	13.756	2072	2078	2085	rBV	31494	40306	4.65%	0.828%
36	14.761	2237	2243	2247	rBV2	6480	8772	1.01%	0.180%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048221.D
Acq On : 17 Oct 2025 18:17
Operator : JC/MD
Sample : Q3362-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

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\82X101725W.M
Title : SW846 8260

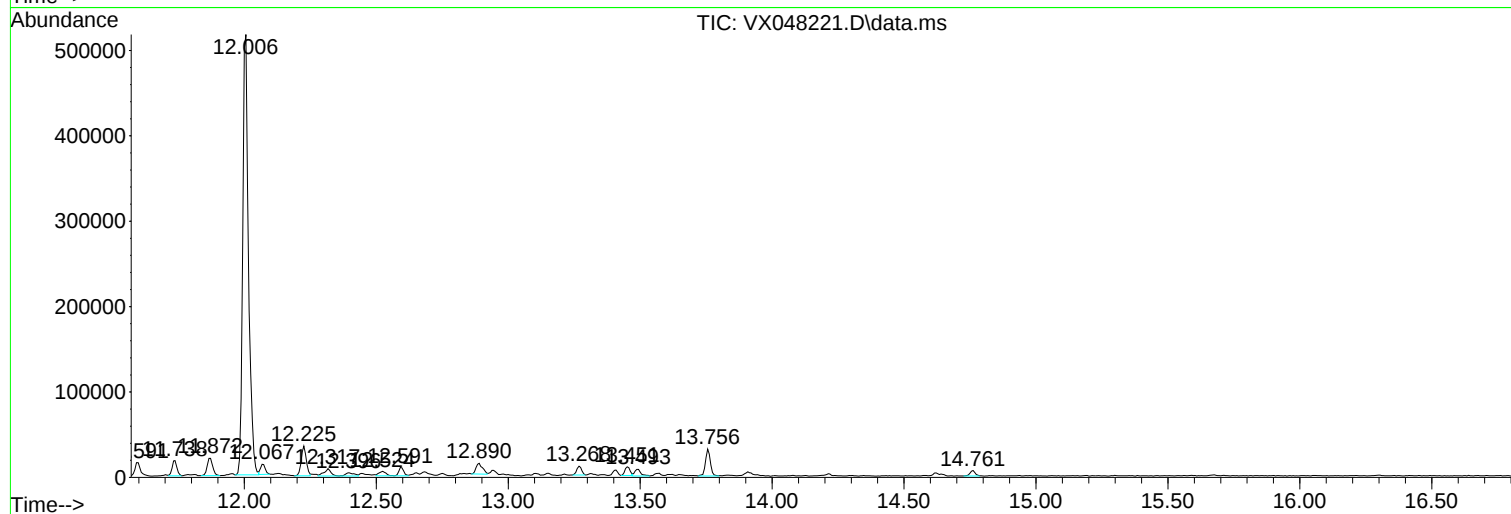
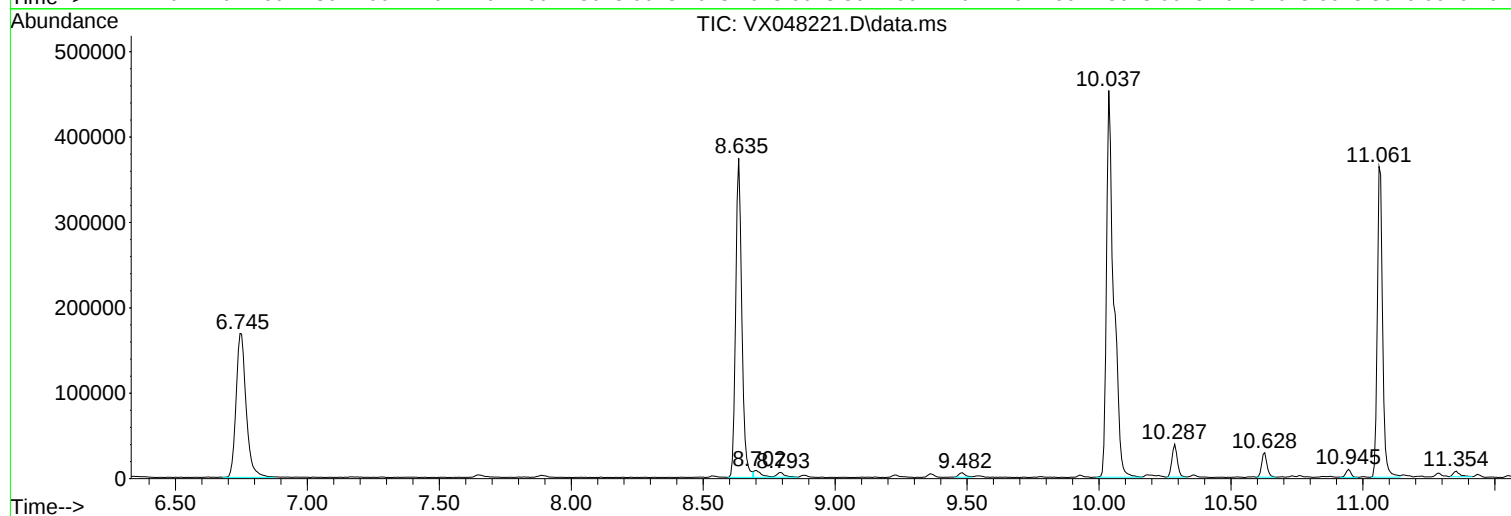
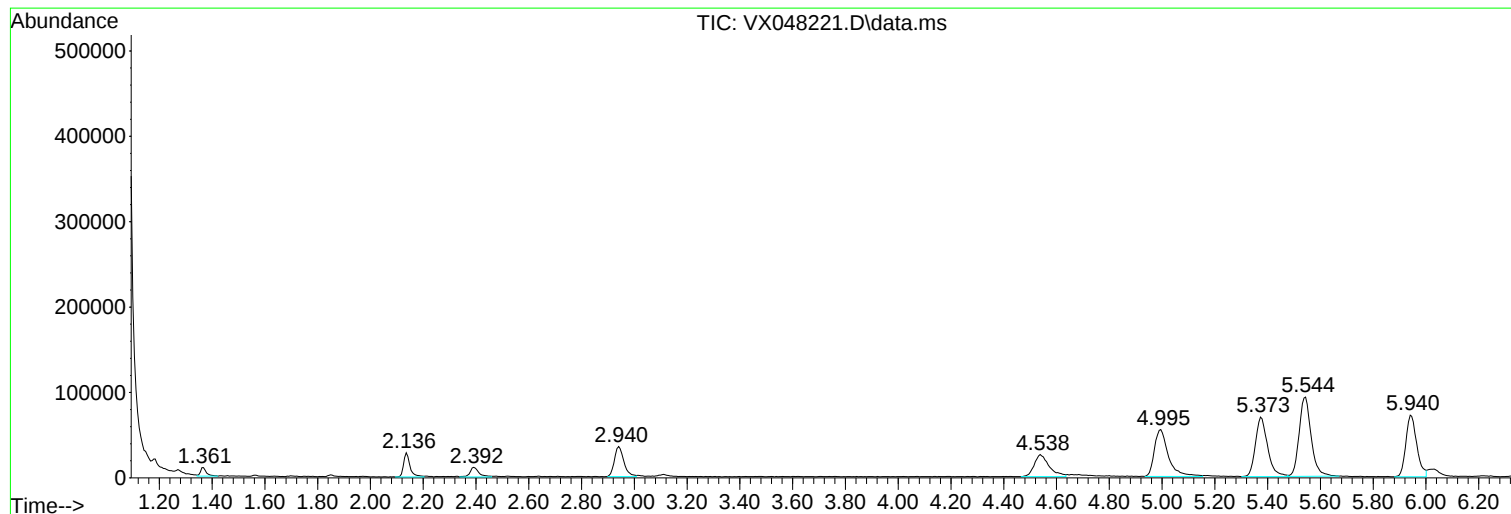
Sum of corrected areas: 4867531

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048221.D
Acq On : 17 Oct 2025 18:17
Operator : JC/MD
Sample : Q3362-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048221.D
Acq On : 17 Oct 2025 18:17
Operator : JC/MD
Sample : Q3362-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.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\VX101725\
Data File : VX048221.D
Acq On : 17 Oct 2025 18:17
Operator : JC/MD
Sample : Q3362-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VOA 251015085-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Report of Analysis

Client: Garden State Laboratories, Inc.
Project: Waste Water 2025
Client Sample ID: Trip blank 251015076-03
Lab Sample ID: Q3362-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/16/25
SDG No.: Q3362
Matrix: Water
% Solid: 0
Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 15:11	VX101725
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/17/25 15:11	VX101725
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/17/25 15:11	VX101725
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/17/25 15:11	VX101725
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/17/25 15:11	VX101725
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/17/25 15:11	VX101725
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/17/25 15:11	VX101725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 15:11	VX101725
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/17/25 15:11	VX101725
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/17/25 15:11	VX101725
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/17/25 15:11	VX101725
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/17/25 15:11	VX101725
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/17/25 15:11	VX101725
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 15:11	VX101725
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/17/25 15:11	VX101725
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/17/25 15:11	VX101725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/17/25 15:11	VX101725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/17/25 15:11	VX101725
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/17/25 15:11	VX101725
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 15:11	VX101725
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/17/25 15:11	VX101725
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/17/25 15:11	VX101725
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/17/25 15:11	VX101725
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/17/25 15:11	VX101725
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 15:11	VX101725
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/17/25 15:11	VX101725
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/17/25 15:11	VX101725
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 15:11	VX101725
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/17/25 15:11	VX101725
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/17/25 15:11	VX101725
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/17/25 15:11	VX101725
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/17/25 15:11	VX101725
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/17/25 15:11	VX101725
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	10/17/25 15:11	VX101725
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/17/25 15:11	VX101725
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/17/25 15:11	VX101725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 15:11	VX101725
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/17/25 15:11	VX101725
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/17/25 15:11	VX101725
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/17/25 15:11	VX101725
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/17/25 15:11	VX101725
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/17/25 15:11	VX101725
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/17/25 15:11	VX101725



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

Report of Analysis

Client: Garden State Laboratories, Inc.
Project: Waste Water 2025
Client Sample ID: Trip blank 251015076-03
Lab Sample ID: Q3362-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/15/25
Date Received: 10/16/25
SDG No.: Q3362
Matrix: Water
% Solid: 0
Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/17/25 15:11	VX101725
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/17/25 15:11	VX101725
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/17/25 15:11	VX101725
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/17/25 15:11	VX101725
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/17/25 15:11	VX101725
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/17/25 15:11	VX101725
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/17/25 15:11	VX101725
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/17/25 15:11	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.1			74 - 125	108%	SPK: 50		
1868-53-7	Dibromofluoromethane	58.5			75 - 124	117%	SPK: 50		
2037-26-5	Toluene-d8	47.6			86 - 113	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	58.3			77 - 121	117%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	101000							
540-36-3	1,4-Difluorobenzene	201000							
3114-55-4	Chlorobenzene-d5	215000							
3855-82-1	1,4-Dichlorobenzene-d4	114000							

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\VX101725\
 Data File : VX048212.D
 Acq On : 17 Oct 2025 15:11
 Operator : JC/MD
 Sample : Q3362-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Trip blank 251015076-03

Quant Time: Oct 18 00:19:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	101378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	201098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	214674	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	84980	54.108	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.220%	
35) Dibromofluoromethane	5.373	113	81667	58.514	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 117.020%	
50) Toluene-d8	8.634	98	239145	47.562	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.120%	
62) 4-Bromofluorobenzene	11.061	95	106803	58.320	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 116.640%	

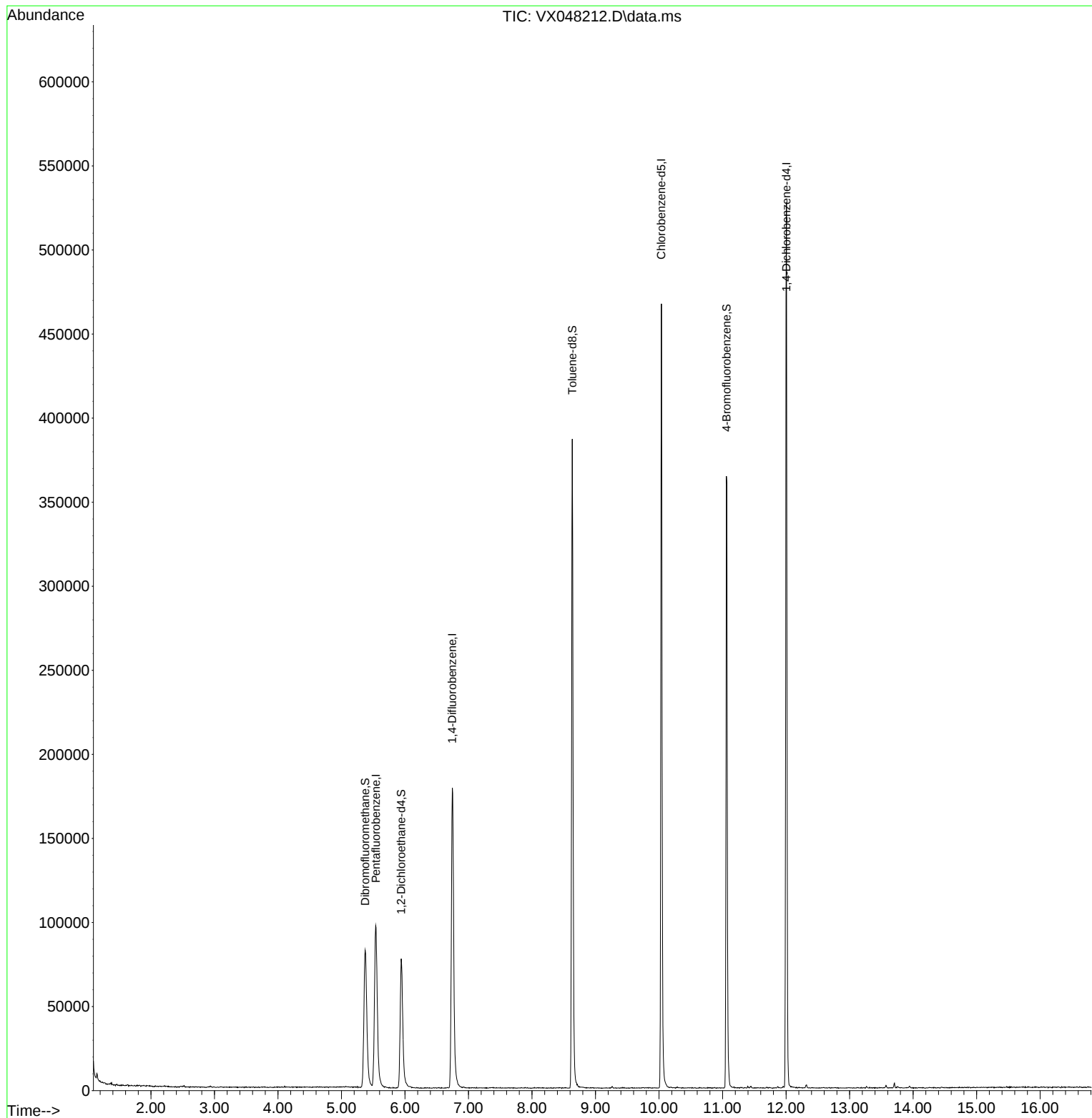
Target Compounds	Qvalue

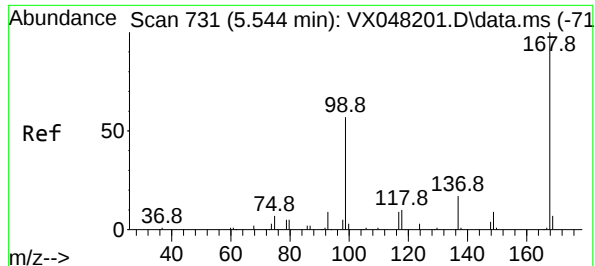
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048212.D
Acq On : 17 Oct 2025 15:11
Operator : JC/MD
Sample : Q3362-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

Quant Time: Oct 18 00:19:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.000 min

Lab File: VX048212.D

Acq: 17 Oct 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

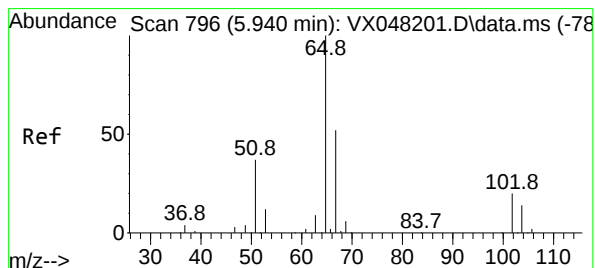
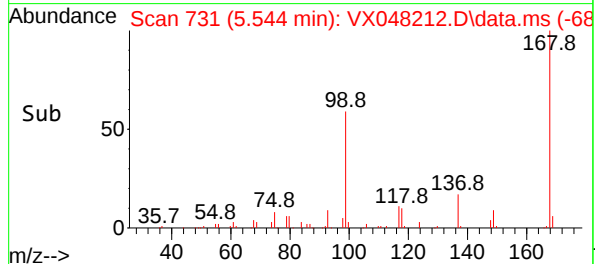
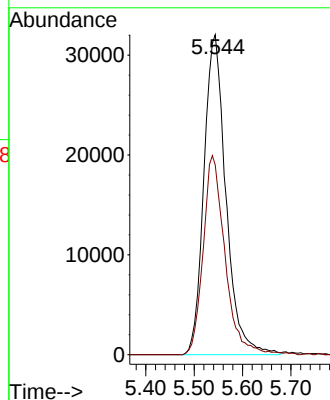
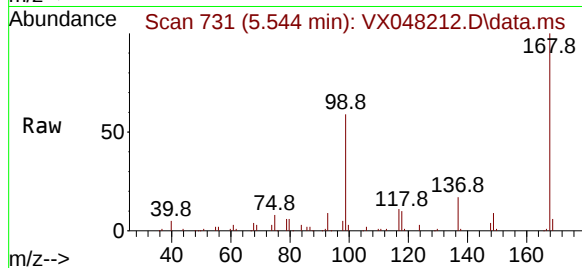
Trip blank 251015076-03

Tgt Ion:168 Resp: 101378

Ion Ratio Lower Upper

168 100

99 59.3 46.4 69.6



#33

1,2-Dichloroethane-d4

Concen: 54.108 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048212.D

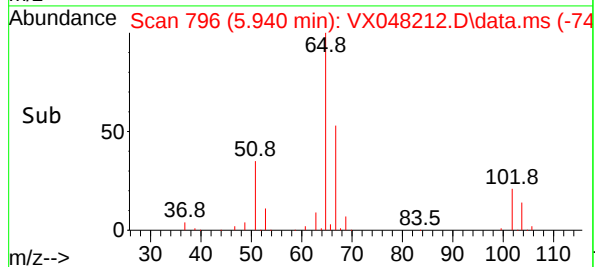
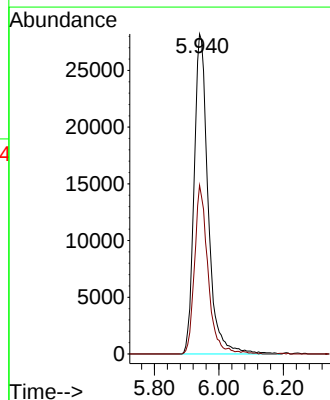
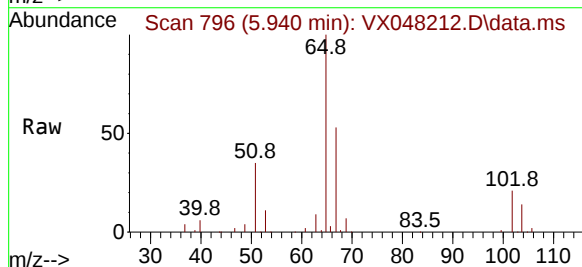
Acq: 17 Oct 2025 15:11

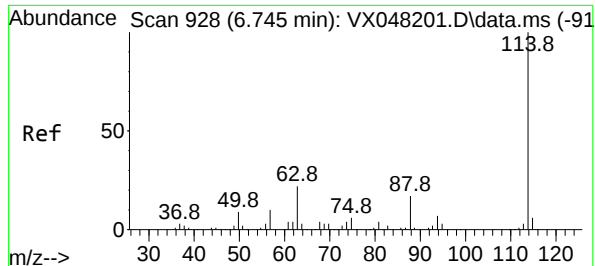
Tgt Ion: 65 Resp: 84980

Ion Ratio Lower Upper

65 100

67 50.3 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048212.D

Acq: 17 Oct 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

Trip blank 251015076-03

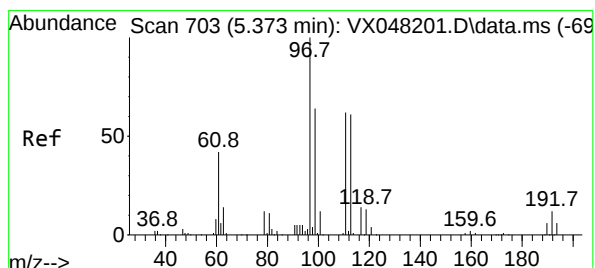
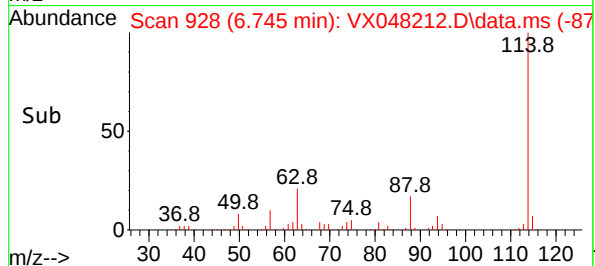
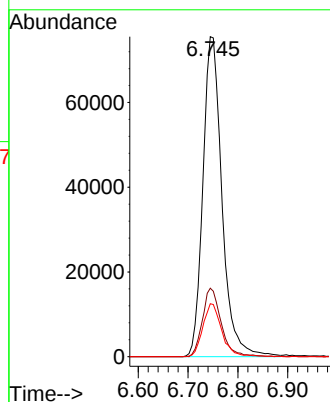
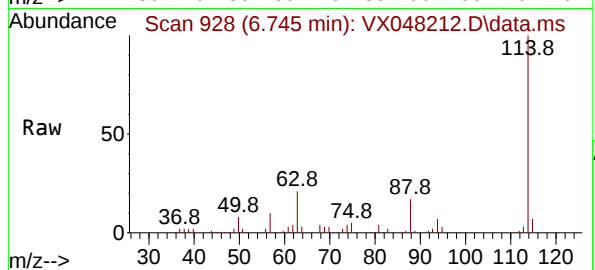
Tgt Ion:114 Resp: 201098

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.2

88 16.6 0.0 33.6



#35

Dibromofluoromethane

Concen: 58.514 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048212.D

Acq: 17 Oct 2025 15:11

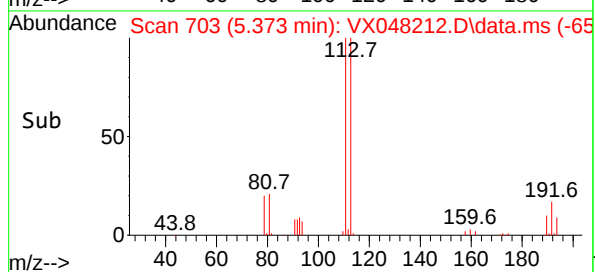
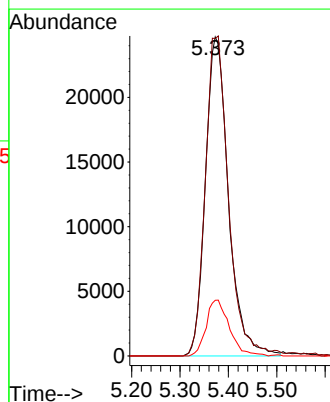
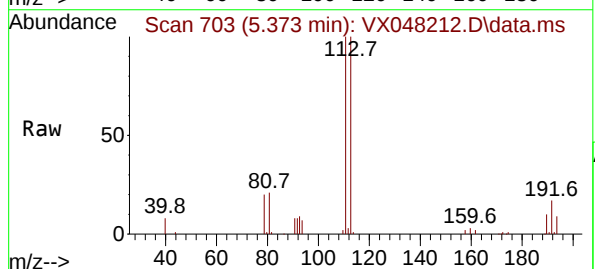
Tgt Ion:113 Resp: 81667

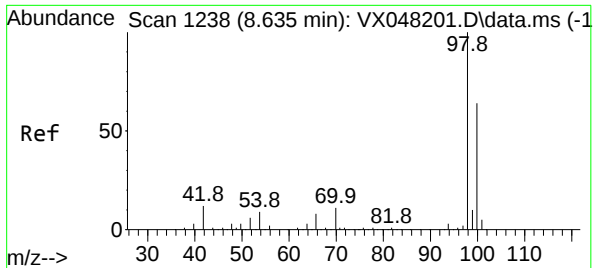
Ion Ratio Lower Upper

113 100

111 100.6 82.2 123.4

192 17.6 15.1 22.7





#50

Toluene-d8

Concen: 47.562 ug/l

RT: 8.634 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048212.D

Acq: 17 Oct 2025 15:11

Instrument :

MSVOA_X

ClientSampleId :

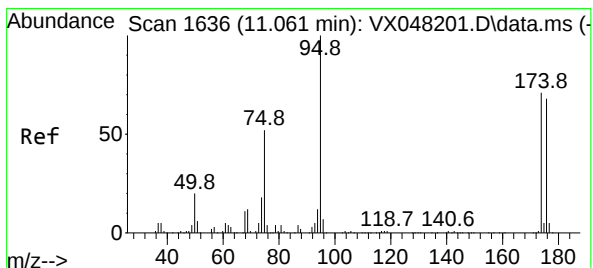
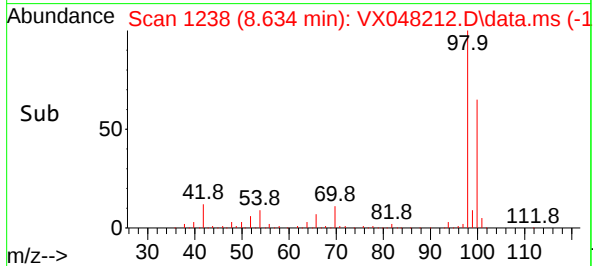
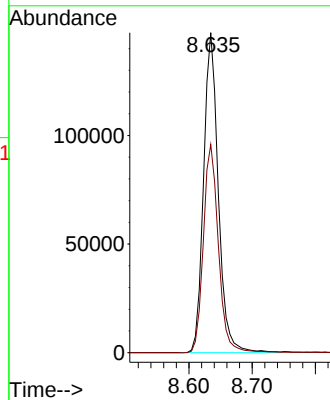
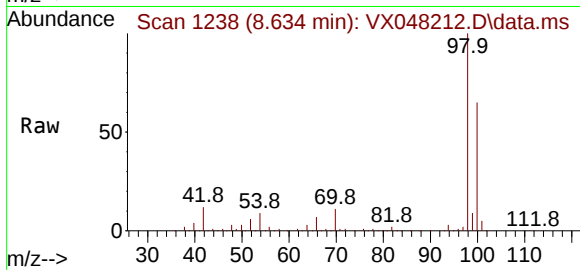
Trip blank 251015076-03

Tgt Ion: 98 Resp: 239145

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 58.320 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048212.D

Acq: 17 Oct 2025 15:11

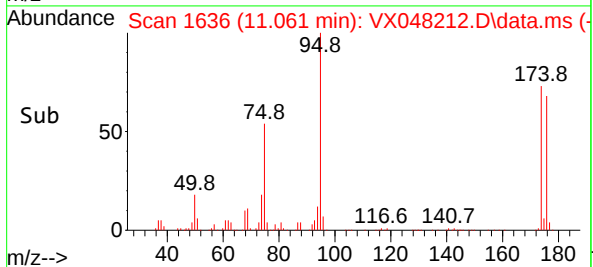
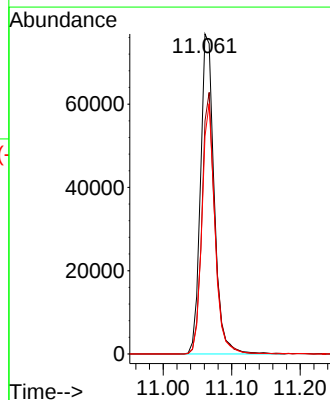
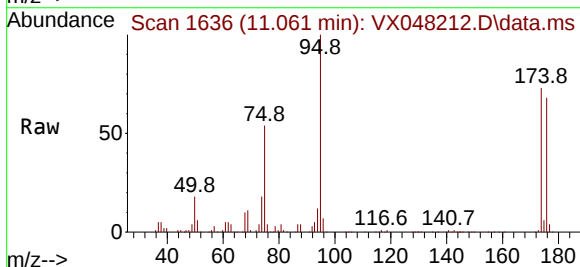
Tgt Ion: 95 Resp: 106803

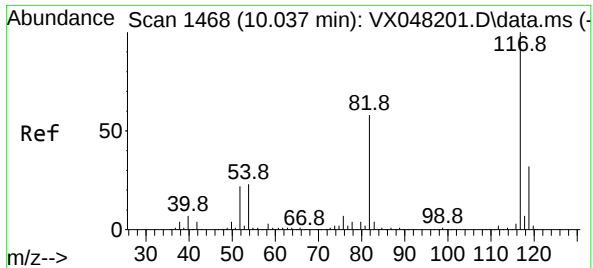
Ion Ratio Lower Upper

95 100

174 77.9 0.0 147.8

176 74.6 0.0 142.8

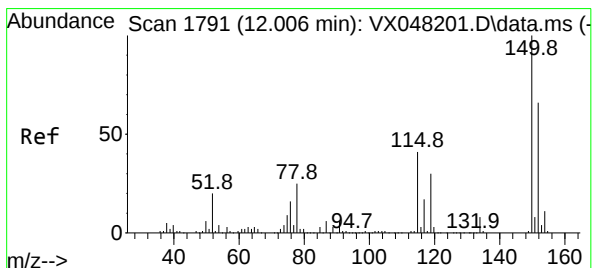
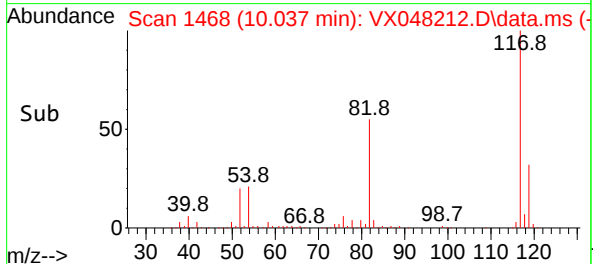
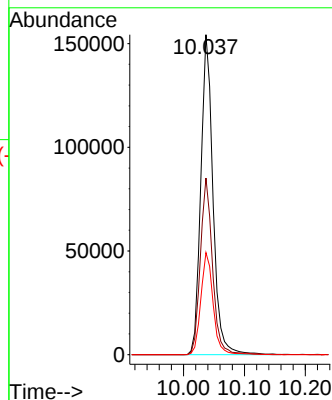
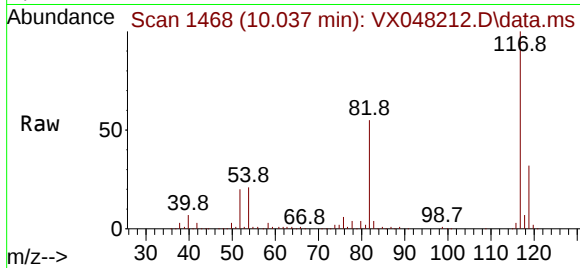




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

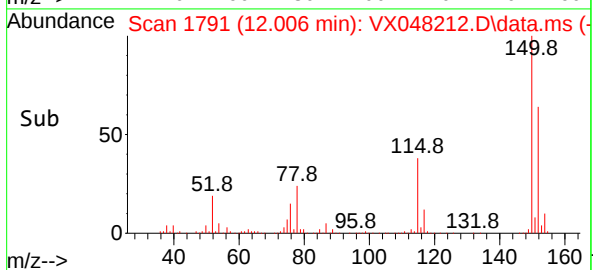
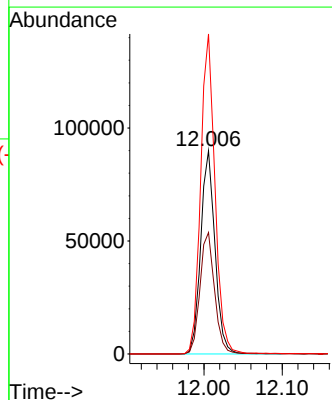
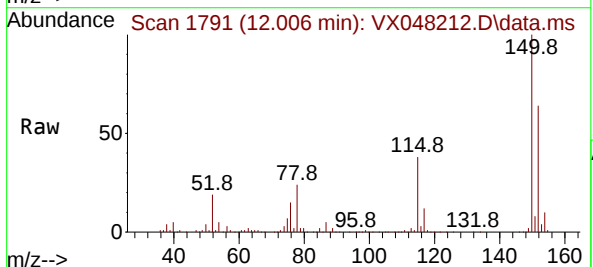
Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.2	46.5	69.7
119	31.9	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048212.D
Acq: 17 Oct 2025 15:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.4	43.1	129.4
150	157.9	0.0	353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048212.D
Acq On : 17 Oct 2025 15:11
Operator : JC/MD
Sample : Q3362-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

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\82X101725W.M

Title : SW846 8260

Signal : TIC: VX048212.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	692	703	720	rBV3	81593	265099	38.53%	7.081%
2	5.538	720	730	752	rVB	96223	305190	44.36%	8.152%
3	5.940	786	796	817	rBV	76828	223504	32.49%	5.970%
4	6.745	919	928	952	rBV	178488	469774	68.28%	12.548%
5	8.635	1231	1238	1256	rBV	385979	634040	92.16%	16.936%
6	10.037	1462	1468	1484	rBV	466290	650750	94.59%	17.383%
7	11.061	1631	1636	1652	rBV	363710	507340	73.74%	13.552%
8	12.006	1785	1791	1802	rBV	526220	687986	100.00%	18.377%

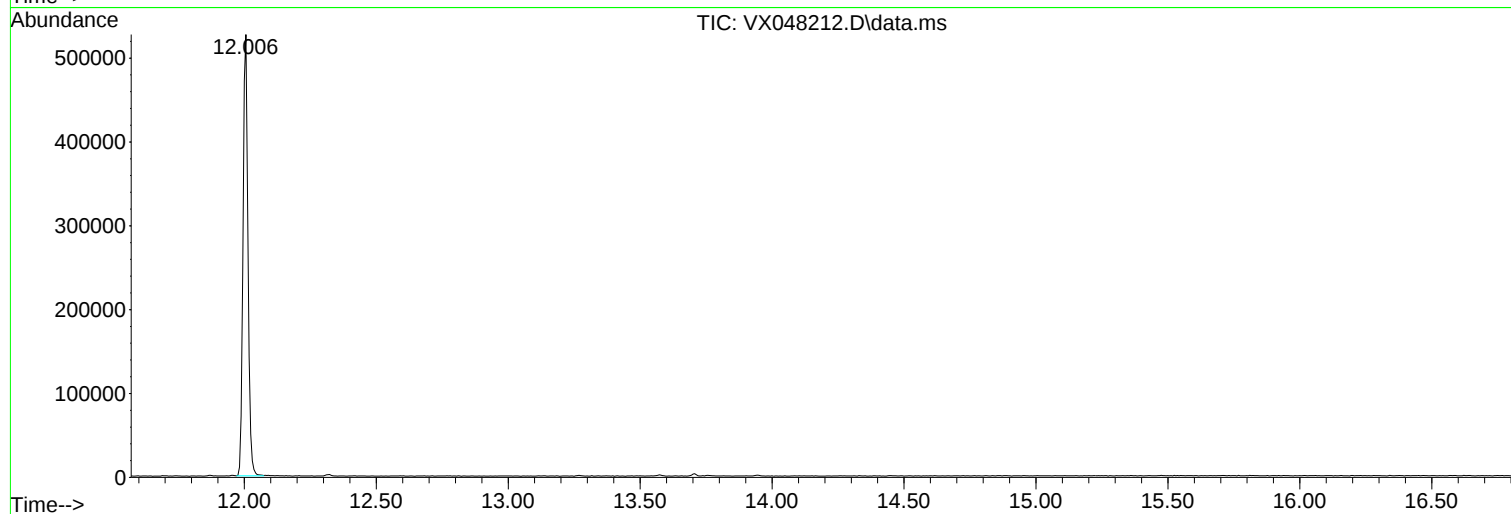
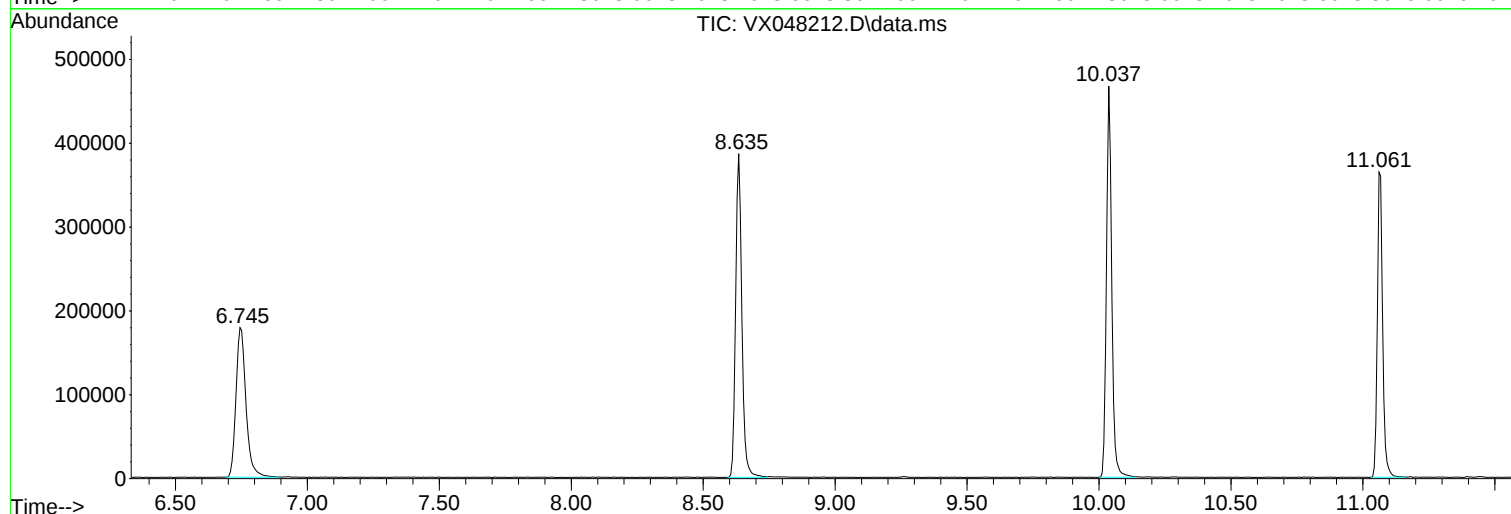
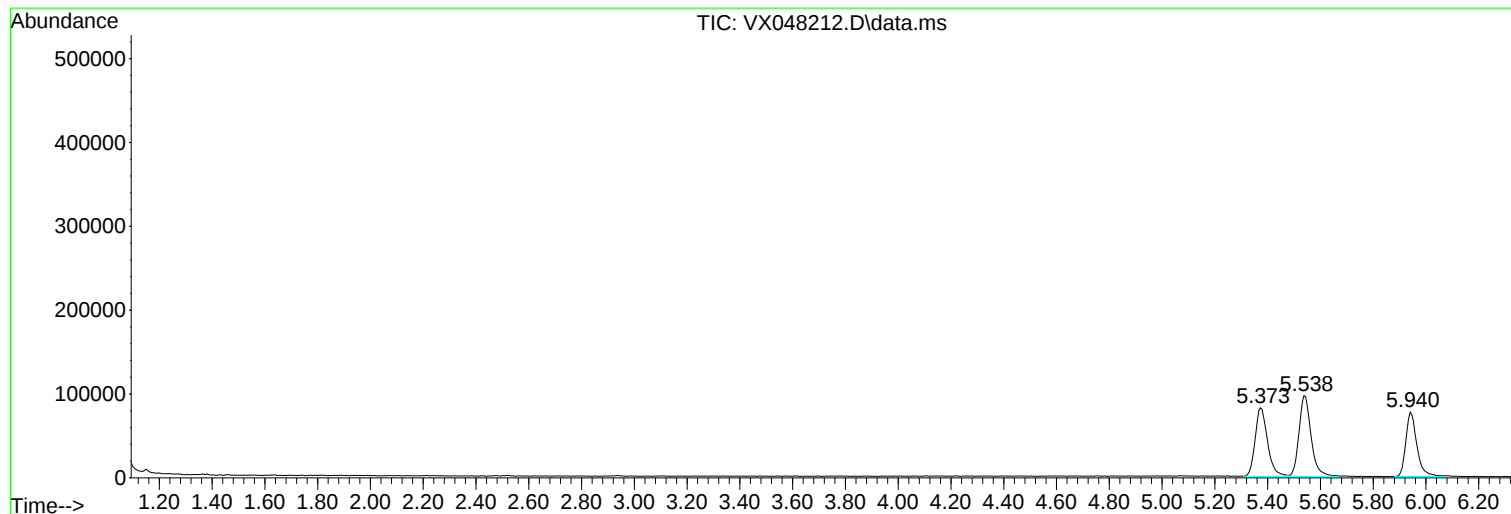
Sum of corrected areas: 3743683

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048212.D
Acq On : 17 Oct 2025 15:11
Operator : JC/MD
Sample : Q3362-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048212.D
Acq On : 17 Oct 2025 15:11
Operator : JC/MD
Sample : Q3362-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.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\VX101725\
Data File : VX048212.D
Acq On : 17 Oct 2025 15:11
Operator : JC/MD
Sample : Q3362-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Trip blank 251015076-03

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260

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

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



CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GARD04
 Lab Code: ACE SDG No.: Q3362
 Instrument ID: MSVOA_X Calibration Date(s): 10/17/2025 10/17/2025
 Heated Purge: (Y/N) N Calibration Time(s): 08:45 10:36
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX048198.D			RRF005 = VX048199.D		RRF020 = VX048200.D		
	RRF050 = VX048201.D			RRF100 = VX048202.D		RRF150 = VX048203.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.556	0.540	0.466	0.517	0.528	0.542	0.525	6
Chloromethane	0.630	0.705	0.572	0.607	0.639	0.662	0.636	7.2
Vinyl Chloride	0.633	0.705	0.602	0.673	0.690	0.716	0.670	6.6
Bromomethane		0.512	0.411	0.434	0.452	0.418	0.445	9.1
Chloroethane	0.448	0.443	0.391	0.404	0.441	0.431	0.426	5.5
Trichlorofluoromethane	1.065	1.113	0.971	1.030	1.060	1.070	1.052	4.5
1,1,2-Trichlorotrifluoroethane	0.640	0.611	0.536	0.581	0.594	0.594	0.593	5.8
1,1-Dichloroethene	0.599	0.577	0.519	0.569	0.598	0.615	0.579	5.9
Acetone	0.284	0.287	0.259	0.251	0.254	0.251	0.264	6.3
Carbon Disulfide	1.832	1.865	1.628	1.746	1.797	1.828	1.783	4.8
Methyl tert-butyl Ether	1.496	1.702	1.642	1.779	1.885	1.968	1.745	9.8
Methyl Acetate	0.508	0.517	0.511	0.542	0.562	0.590	0.538	6.1
Methylene Chloride	0.609	0.670	0.606	0.636	0.658	0.683	0.644	5
trans-1,2-Dichloroethene	0.544	0.598	0.557	0.614	0.635	0.648	0.599	7
1,1-Dichloroethane	1.097	1.216	1.105	1.127	1.186	1.216	1.158	4.7
Cyclohexane		0.997	0.909	0.925	0.998	0.908	0.947	4.9
2-Butanone	0.275	0.312	0.291	0.314	0.323	0.331	0.308	6.8
Carbon Tetrachloride	0.652	0.593	0.507	0.575	0.540	0.499	0.561	10.3
cis-1,2-Dichloroethene	0.654	0.727	0.663	0.708	0.747	0.769	0.711	6.4
Bromochloromethane	0.452	0.569	0.442	0.563	0.574	0.602	0.534	12.9
Chloroform	1.240	1.331	1.133	1.166	1.202	1.242	1.219	5.7
1,1,1-Trichloroethane	0.972	1.076	0.958	0.969	1.053	0.981	1.002	5
Methylcyclohexane	0.524	0.560	0.504	0.576	0.577	0.565	0.551	5.5
Benzene	1.460	1.511	1.325	1.497	1.483	1.433	1.452	4.7
1,2-Dichloroethane	0.506	0.564	0.495	0.546	0.501	0.508	0.520	5.4
Trichloroethene	0.372	0.374	0.346	0.367	0.378	0.358	0.366	3.3
1,2-Dichloropropane	0.354	0.378	0.357	0.377	0.372	0.366	0.367	2.8
Bromodichloromethane	0.560	0.602	0.544	0.582	0.575	0.564	0.571	3.5
4-Methyl-2-Pentanone	0.314	0.354	0.351	0.395	0.390	0.385	0.365	8.5
Toluene	0.815	0.874	0.821	0.927	0.902	0.895	0.872	5.2

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



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.: Q3362
 Instrument ID: MSVOA_X Calibration Date(s): 10/17/2025 10/17/2025
 Heated Purge: (Y/N) N Calibration Time(s): 08:45 10:36
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX048198.D		RRF005 = VX048199.D		RRF020 = VX048200.D			
		RRF050 = VX048201.D		RRF100 = VX048202.D		RRF150 = VX048203.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.478	0.514	0.502	0.568	0.573	0.578	0.535	8	
cis-1,3-Dichloropropene	0.505	0.589	0.551	0.617	0.620	0.619	0.583	8	
1,1,2-Trichloroethane	0.311	0.345	0.309	0.335	0.331	0.322	0.326	4.3	
2-Hexanone	0.212	0.255	0.246	0.277	0.273	0.269	0.255	9.5	
Dibromochloromethane	0.362	0.436	0.389	0.424	0.420	0.414	0.407	6.7	
1,2-Dibromoethane	0.320	0.340	0.313	0.346	0.344	0.340	0.334	4.1	
Tetrachloroethene	0.427	0.337	0.317	0.350	0.341	0.331	0.351	11.1	
Chlorobenzene	1.099	1.113	1.015	1.125	1.113	1.095	1.093	3.6	
Ethyl Benzene	1.821	1.847	1.694	1.980	1.969	1.935	1.874	5.8	
m/p-Xylenes	0.657	0.687	0.653	0.741	0.733	0.719	0.698	5.5	
o-Xylene	0.634	0.615	0.599	0.701	0.704	0.691	0.657	7.1	
Styrene	0.986	1.066	1.070	1.233	1.232	1.202	1.131	9.2	
Bromoform	0.293	0.297	0.265	0.298	0.293	0.290	0.289	4.3	
Isopropylbenzene	3.234	3.333	3.211	3.696	3.722	3.670	3.478	7	
1,1,2,2-Tetrachloroethane	1.040	0.945	0.930	1.015	0.991	0.989	0.985	4.2	
1,3-Dichlorobenzene	1.722	1.567	1.492	1.681	1.660	1.641	1.628	5.1	
1,4-Dichlorobenzene	1.892	1.678	1.520	1.718	1.663	1.652	1.687	7.1	
1,2-Dichlorobenzene	1.591	1.492	1.397	1.603	1.568	1.574	1.538	5.1	
1,2-Dibromo-3-Chloropropane	0.198	0.162	0.164	0.168	0.192	0.196	0.180	9.5	
1,2,4-Trichlorobenzene	0.939	0.796	0.799	0.937	0.977	0.998	0.908	9.7	
1,2,3-Trichlorobenzene	0.775	0.758	0.736	0.914	0.912	0.930	0.838	10.7	
1,2-Dichloroethane-d4		0.862	0.746	0.732	0.756	0.778	0.775	6.6	
Dibromofluoromethane		0.373	0.341	0.342	0.347	0.332	0.347	4.5	
Toluene-d8		1.311	1.188	1.262	1.224	1.265	1.250	3.7	
4-Bromofluorobenzene		0.482	0.429	0.450	0.445	0.470	0.455	4.6	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X101725W.M
 Title : SW846 8260
 Last Update : Sat Oct 18 00:06:31 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX048198.D 5 =VX048199.D 20 =VX048200.D 50 =VX048201.D 100 =VX048202.D 150 =VX048203.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.556	0.540	0.466	0.517	0.528	0.542	0.525	6.02
3) P	Chloromethane	0.630	0.705	0.572	0.607	0.639	0.662	0.636	7.19
4) C	Vinyl Chloride	0.633	0.705	0.602	0.673	0.690	0.716	0.670	6.59#
5) T	Bromomethane		0.512	0.411	0.434	0.452	0.418	0.445	9.12
6) T	Chloroethane	0.448	0.443	0.391	0.404	0.441	0.431	0.426	5.47
7) T	Trichlorofluor...	1.065	1.113	0.971	1.030	1.060	1.070	1.052	4.52
8) T	Diethyl Ether	0.370	0.360	0.324	0.348	0.374	0.375	0.359	5.44
9) T	1,1,2-Trichlor...	0.640	0.611	0.536	0.581	0.594	0.594	0.593	5.81
10) T	Methyl Iodide		0.570	0.588	0.744	0.812	0.835	0.710	17.51
11) T	Tert butyl alc...		0.057	0.043	0.049	0.053	0.055	0.051	11.29
12) CM	1,1-Dichloroet...	0.599	0.577	0.519	0.569	0.598	0.615	0.579	5.89#
13) T	Acrolein		0.119	0.099	0.100	0.108	0.114	0.108	8.19
14) T	Allyl chloride	1.031	1.049	0.943	1.016	1.088	1.126	1.042	6.03
15) T	Acrylonitrile	0.184	0.246	0.239	0.257	0.272	0.280	0.246	14.01
16) T	Acetone	0.284	0.287	0.259	0.251	0.254	0.251	0.264	6.33
17) T	Carbon Disulfide	1.832	1.865	1.628	1.745	1.797	1.828	1.783	4.82
18) T	Methyl Acetate	0.508	0.517	0.511	0.542	0.562	0.590	0.538	6.11
19) T	Methyl tert-bu...	1.496	1.702	1.642	1.779	1.885	1.968	1.745	9.75
20) T	Methylene Chlo...	0.609	0.670	0.606	0.636	0.658	0.683	0.644	4.95
21) T	trans-1,2-Dich...	0.544	0.598	0.557	0.614	0.635	0.648	0.599	6.96
22) T	Diisopropyl ether	1.820	2.037	1.933	2.061	2.170	2.223	2.041	7.28
23) T	Vinyl Acetate	1.218	1.448	1.462	1.594	1.687	1.747	1.526	12.60
24) P	1,1-Dichloroet...	1.097	1.216	1.105	1.127	1.186	1.216	1.158	4.73
25) T	2-Butanone	0.275	0.312	0.291	0.314	0.323	0.331	0.308	6.79
26) T	2,2-Dichloropr...	1.031	1.021	0.893	0.950	0.998	1.045	0.990	5.86
27) T	cis-1,2-Dichlo...	0.654	0.727	0.663	0.708	0.747	0.769	0.711	6.42
28) T	Bromochloromet...	0.452	0.569	0.442	0.563	0.574	0.602	0.534	12.90
29) T	Tetrahydrofuran	0.155	0.178	0.169	0.185	0.196	0.202	0.181	9.48
30) C	Chloroform	1.240	1.331	1.133	1.166	1.202	1.242	1.219	5.67#
31) T	Cyclohexane		0.997	0.909	0.925	0.998	0.908	0.947	4.85
32) T	1,1,1-Trichlor...	0.972	1.076	0.958	0.969	1.053	0.981	1.002	5.00
33) S	1,2-Dichloroet...		0.862	0.746	0.732	0.756	0.778	0.775	6.65
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.373	0.341	0.342	0.347	0.332	0.347	4.49
36) T	1,1-Dichloropr...	0.575	0.511	0.425	0.503	0.484	0.435	0.489	11.29
37) T	Ethyl Acetate	0.379	0.358	0.372	0.405	0.414	0.417	0.391	6.26
38) T	Carbon Tetrach...	0.652	0.593	0.507	0.575	0.540	0.499	0.561	10.29
39) T	Methylcyclohexane	0.524	0.560	0.504	0.576	0.577	0.565	0.551	5.49
40) TM	Benzene	1.460	1.511	1.325	1.497	1.483	1.433	1.452	4.67
41) T	Methacrylonitrile	0.174	0.201	0.202	0.228	0.223	0.227	0.209	10.21
42) TM	1,2-Dichloroet...	0.506	0.564	0.495	0.546	0.501	0.508	0.520	5.41
43) T	Isopropyl Acetate	0.589	0.627	0.615	0.697	0.702	0.705	0.656	7.87
44) TM	Trichloroethene	0.372	0.374	0.346	0.367	0.378	0.358	0.366	3.27
45) C	1,2-Dichloropr...	0.354	0.378	0.357	0.377	0.372	0.366	0.367	2.76#
46) T	Dibromomethane	0.274	0.275	0.244	0.268	0.265	0.260	0.264	4.37
47) T	Bromodichlorom...	0.560	0.602	0.544	0.582	0.575	0.564	0.571	3.48
48) T	Methyl methacr...	0.297	0.320	0.318	0.358	0.359	0.364	0.336	8.28
49) T	1,4-Dioxane	0.002	0.003	0.003	0.003	0.003	0.003	0.003	12.92
50) S	Toluene-d8		1.311	1.188	1.262	1.224	1.265	1.250	3.72
51) T	4-Methyl-2-Pen...	0.314	0.354	0.351	0.395	0.390	0.385	0.365	8.51
52) CM	Toluene	0.815	0.874	0.821	0.927	0.902	0.895	0.872	5.18#
53) T	t-1,3-Dichloro...	0.478	0.514	0.502	0.568	0.573	0.578	0.535	7.99
54) T	cis-1,3-Dichlo...	0.505	0.589	0.551	0.617	0.620	0.619	0.583	8.02
55) T	1,1,2-Trichlor...	0.311	0.345	0.309	0.335	0.331	0.322	0.326	4.27
56) T	Ethyl methacry...	0.320	0.410	0.420	0.494	0.502	0.511	0.443	16.76

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X101725W.M

57)	T	1,3-Dichloropr...	0.540	0.595	0.540	0.589	0.577	0.572	0.569	4.20
58)	T	2-Chloroethyl ...	0.137	0.188	0.212	0.258	0.285	0.284	0.227	26.00
59)	T	2-Hexanone	0.212	0.255	0.246	0.277	0.273	0.269	0.255	9.47
60)	T	Dibromochlorom...	0.362	0.436	0.389	0.424	0.420	0.414	0.407	6.70
61)	T	1,2-Dibromoethane	0.320	0.340	0.313	0.346	0.344	0.340	0.334	4.12
62)	S	4-Bromofluorob...	0.482	0.429	0.450	0.445	0.470	0.455		4.60
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.427	0.337	0.317	0.350	0.341	0.331	0.351	11.08
65)	PM	Chlorobenzene	1.099	1.113	1.015	1.125	1.113	1.095	1.093	3.65
66)	T	1,1,1,2-Tetrac...	0.447	0.391	0.352	0.394	0.395	0.385	0.394	7.72
67)	C	Ethyl Benzene	1.821	1.847	1.694	1.980	1.969	1.935	1.874	5.83#
68)	T	m/p-Xylenes	0.657	0.687	0.653	0.741	0.733	0.719	0.698	5.48
69)	T	o-Xylene	0.634	0.615	0.599	0.701	0.704	0.691	0.657	7.11
70)	T	Styrene	0.986	1.066	1.070	1.233	1.232	1.202	1.131	9.24
71)	P	Bromoform	0.293	0.297	0.265	0.298	0.293	0.290	0.289	4.33
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.234	3.333	3.211	3.696	3.722	3.670	3.478	6.99
74)	T	N-amyl acetate	1.125	1.161	1.185	1.388	1.456	1.469	1.297	12.15
75)	P	1,1,2,2-Tetrac...	1.040	0.945	0.930	1.015	0.991	0.989	0.985	4.19
76)	T	1,2,3-Trichlor...	0.798	0.716	0.696	0.801	0.787	0.783	0.764	5.97
77)	T	Bromobenzene	0.889	0.844	0.802	0.894	0.896	0.896	0.870	4.48
78)	T	n-propylbenzene	4.098	3.998	3.921	4.451	4.460	4.375	4.217	5.70
79)	T	2-Chlorotoluene	2.547	2.536	2.406	2.602	2.615	2.580	2.548	2.97
80)	T	1,3,5-Trimethy...	2.583	2.731	2.692	3.032	3.077	3.014	2.855	7.37
81)	T	trans-1,4-Dich...	0.243	0.280	0.330	0.349	0.357	0.312		15.71
82)	T	4-Chlorotoluene	2.847	2.922	2.819	3.138	3.133	3.108	2.994	4.96
83)	T	tert-Butylbenzene	2.865	2.743	2.613	2.963	3.066	3.054	2.884	6.24
84)	T	1,2,4-Trimethy...	2.561	2.665	2.695	3.055	3.078	3.002	2.842	8.00
85)	T	sec-Butylbenzene	3.521	3.368	3.253	3.625	3.707	3.679	3.526	5.16
86)	T	p-Isopropyltol...	2.790	2.945	2.738	3.153	3.128	3.078	2.972	5.96
87)	T	1,3-Dichlorobe...	1.722	1.567	1.492	1.681	1.660	1.641	1.628	5.15
88)	T	1,4-Dichlorobe...	1.892	1.678	1.520	1.718	1.663	1.652	1.687	7.14
89)	T	n-Butylbenzene	2.813	2.607	2.456	2.919	2.914	2.900	2.768	6.99
90)	T	Hexachloroethane	0.734	0.615	0.557	0.625	0.615	0.618	0.627	9.25
91)	T	1,2-Dichlorobe...	1.591	1.492	1.397	1.603	1.568	1.574	1.538	5.14
92)	T	1,2-Dibromo-3-...	0.198	0.162	0.164	0.168	0.192	0.196	0.180	9.52
93)	T	1,2,4-Trichlor...	0.939	0.796	0.799	0.937	0.977	0.998	0.908	9.72
94)	T	Hexachlorobuta...	0.465	0.310	0.294	0.346	0.337	0.349	0.350	17.26
95)	T	Naphthalene	1.960	1.863	2.159	2.641	2.824	2.910	2.393	19.04
96)	T	1,2,3-Trichlor...	0.775	0.758	0.736	0.914	0.912	0.930	0.838	10.75

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048198.D
 Acq On : 17 Oct 2025 08:45
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

10/20/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 17 23:49:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	171106	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	292010	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	244053	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	113449	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	1.173	85	1902	1.059	ug/l	85
3) Chloromethane	1.301	50	2156	0.991	ug/l	100
4) Vinyl Chloride	1.380	62	2166	0.945	ug/l	97
6) Chloroethane	1.697	64	1533	1.051	ug/l #	88
7) Trichlorofluoromethane	1.898	101	3645	1.013	ug/l	93
8) Diethyl Ether	2.136	74	1265	1.031	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	2189	1.080	ug/l	95
12) 1,1-Dichloroethene	2.325	96	2050	1.034	ug/l	96
14) Allyl chloride	2.666	41	3528	0.989	ug/l	98
15) Acrylonitrile	3.062	53	3141	3.727	ug/l #	84
16) Acetone	2.374	43	4860	5.375	ug/l #	88
17) Carbon Disulfide	2.514	76	6269	1.028	ug/l	98
18) Methyl Acetate	2.697	43	1737	0.943	ug/l #	89
19) Methyl tert-butyl Ether	3.105	73	5118	0.857	ug/l	96
20) Methylene Chloride	2.788	84	2083	0.946	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	1862	0.908	ug/l	94
22) Diisopropyl ether	3.745	45	6229	0.892	ug/l	93
23) Vinyl Acetate	3.715	43	20834	3.990	ug/l	95
24) 1,1-Dichloroethane	3.599	63	3755	0.948	ug/l #	91
25) 2-Butanone	4.550	43	4709	4.470	ug/l	95
26) 2,2-Dichloropropane	4.465	77	3528	1.042	ug/l	90
27) cis-1,2-Dichloroethene	4.483	96	2239m	0.920	ug/l	
28) Bromochloromethane	4.891	49	1546	0.847	ug/l #	94
29) Tetrahydrofuran	5.007	42	2657	4.295	ug/l #	54
30) Chloroform	5.074	83	4243	1.017	ug/l #	78
32) 1,1,1-Trichloroethane	5.367	97	3326	0.970	ug/l #	47
36) 1,1-Dichloropropene	5.672	75	3360	1.177	ug/l	94
37) Ethyl Acetate	4.715	43	2212m	0.969	ug/l	
38) Carbon Tetrachloride	5.666	117	3807	1.162	ug/l	84
39) Methylcyclohexane	7.367	83	3061	0.951	ug/l	88
40) Benzene	6.019	78	8528	1.006	ug/l #	88
41) Methacrylonitrile	4.904	41	1015	0.831	ug/l #	60
42) 1,2-Dichloroethane	6.074	62	2953	0.972	ug/l	86
43) Isopropyl Acetate	6.318	43	3437	0.897	ug/l #	81
44) Trichloroethene	7.111	130	2174	1.018	ug/l	96
45) 1,2-Dichloropropane	7.415	63	2066	0.963	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048198.D
 Acq On : 17 Oct 2025 08:45
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

10/20/2025
 Supervised By :Mahesh
 Dadoda

Quant Time: Oct 17 23:49:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.562	93	1600	1.036	ug/l	89
47) Bromodichloromethane	7.806	83	3270	0.980	ug/l #	98
48) Methyl methacrylate	7.696	41	1734	0.884	ug/l	87
49) 1,4-Dioxane	7.665	88	265	15.015	ug/l #	38
51) 4-Methyl-2-Pentanone	8.555	43	9171	4.303	ug/l	94
52) Toluene	8.696	92	4761	0.934	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	2791	0.893	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	2948	0.865	ug/l #	84
55) 1,1,2-Trichloroethane	9.128	97	1817	0.956	ug/l #	79
56) Ethyl methacrylate	9.098	69	1866	0.722	ug/l #	73
57) 1,3-Dichloropropane	9.293	76	3153	0.949	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	4001	16.697	ug/l	98
59) 2-Hexanone	9.415	43	6190	4.152	ug/l	92
60) Dibromochloromethane	9.506	129	2113	0.888	ug/l	88
61) 1,2-Dibromoethane	9.598	107	1870	0.959	ug/l	99
64) Tetrachloroethene	9.256	164	2082	1.217	ug/l #	81
65) Chlorobenzene	10.061	112	5363	1.005	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	2180	1.134	ug/l #	64
67) Ethyl Benzene	10.177	91	8889	0.972	ug/l	99
68) m/p-Xylenes	10.287	106	6418	1.883	ug/l	100
69) o-Xylene	10.622	106	3094	0.964	ug/l	100
70) Styrene	10.640	104	4811	0.871	ug/l	97
71) Bromoform	10.781	173	1432	1.014	ug/l #	98
73) Isopropylbenzene	10.945	105	7339	0.930	ug/l	99
74) N-amyl acetate	10.829	43	2552	0.867	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.189	83	2360	1.056	ug/l	95
76) 1,2,3-Trichloropropane	11.220	75	1810m	1.045	ug/l	
77) Bromobenzene	11.183	156	2018	1.022	ug/l	96
78) n-propylbenzene	11.287	91	9298	0.972	ug/l	97
79) 2-Chlorotoluene	11.348	91	5779	1.000	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	5860	0.905	ug/l	96
82) 4-Chlorotoluene	11.439	91	6460	0.951	ug/l	99
83) tert-Butylbenzene	11.695	119	6501	0.993	ug/l	95
84) 1,2,4-Trimethylbenzene	11.732	105	5810	0.901	ug/l	99
85) sec-Butylbenzene	11.872	105	7990	0.999	ug/l	94
86) p-Isopropyltoluene	11.988	119	6330	0.939	ug/l	92
87) 1,3-Dichlorobenzene	11.951	146	3908	1.058	ug/l	99
88) 1,4-Dichlorobenzene	12.018	146	4292m	1.121	ug/l	
89) n-Butylbenzene	12.317	91	6382	1.016	ug/l	97
90) Hexachloroethane	12.518	117	1666	1.171	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	3611	1.035	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.927	75	450	1.102	ug/l	87
93) 1,2,4-Trichlorobenzene	13.573	180	2130	1.034	ug/l	97
94) Hexachlorobutadiene	13.707	225	1056	1.329	ug/l	86
95) Naphthalene	13.756	128	4447	0.819	ug/l #	93
96) 1,2,3-Trichlorobenzene	13.945	180	1758	0.925	ug/l	89

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048198.D
Acq On : 17 Oct 2025 08:45
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

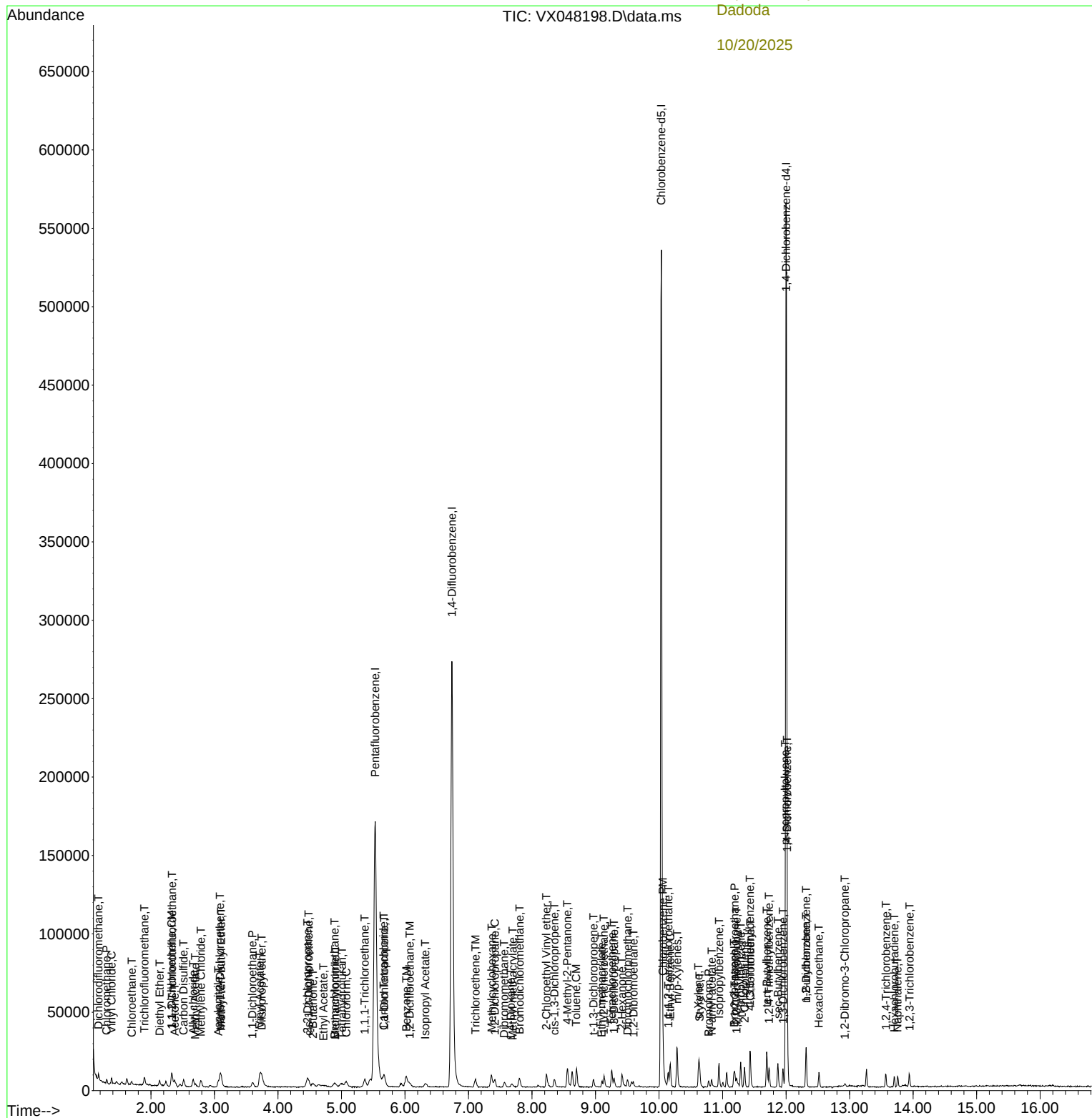
Manual Integrations
APPROVED

Reviewed By :John
Carlone

10/20/2025
Supervised By :Mahesh
Dadoda

10/20/2025

Quant Time: Oct 17 23:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048199.D
 Acq On : 17 Oct 2025 09:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:51:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	153745	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	263338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	239392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	119256	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	13249	5.563	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.120%#		
35) Dibromofluoromethane	5.367	113	9826	5.376	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.760%#		
50) Toluene-d8	8.628	98	34534	5.245	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.480%#		
62) 4-Bromofluorobenzene	11.061	95	12695	5.294	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.580%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	8304	5.146	ug/l	92
3) Chloromethane	1.300	50	10833	5.542	ug/l	98
4) Vinyl Chloride	1.380	62	10844	5.264	ug/l	100
5) Bromomethane	1.617	94	7879	5.843	ug/l	99
6) Chloroethane	1.697	64	6809	5.194	ug/l	91
7) Trichlorofluoromethane	1.892	101	17111	5.292	ug/l	96
8) Diethyl Ether	2.136	74	5542	5.025	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	9388	5.153	ug/l	98
10) Methyl Iodide	2.453	142	8757	4.013	ug/l	95
11) Tert butyl alcohol	2.940	59	4406	27.879	ug/l #	84
12) 1,1-Dichloroethene	2.319	96	8872	4.980	ug/l	98
13) Acrolein	2.233	56	9166	27.597	ug/l	99
14) Allyl chloride	2.660	41	16133	5.034	ug/l	98
15) Acrylonitrile	3.056	53	18915	24.977	ug/l	98
16) Acetone	2.373	43	22063	27.154	ug/l	98
17) Carbon Disulfide	2.514	76	28679	5.232	ug/l	99
18) Methyl Acetate	2.697	43	7943	4.800	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	26175	4.878	ug/l	95
20) Methylene Chloride	2.788	84	10300	5.204	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	9196	4.989	ug/l	97
22) Diisopropyl ether	3.745	45	31321	4.991	ug/l	89
23) Vinyl Acetate	3.709	43	111285	23.718	ug/l	100
24) 1,1-Dichloroethane	3.599	63	18693	5.251	ug/l #	96
25) 2-Butanone	4.544	43	23972	25.324	ug/l	98
26) 2,2-Dichloropropane	4.465	77	15703	5.161	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	11176	5.109	ug/l	98
28) Bromochloromethane	4.879	49	8746	5.330	ug/l #	92
29) Tetrahydrofuran	4.989	42	13689	24.625	ug/l	97
30) Chloroform	5.074	83	20456	5.458	ug/l	98
31) Cyclohexane	5.458	56	15324	5.261	ug/l #	84
32) 1,1,1-Trichloroethane	5.361	97	16546	5.373	ug/l	97
36) 1,1-Dichloropropene	5.678	75	13452	5.225	ug/l	99
37) Ethyl Acetate	4.702	43	9417	4.577	ug/l	98
38) Carbon Tetrachloride	5.653	117	15616	5.284	ug/l	91
39) Methylcyclohexane	7.360	83	14758	5.084	ug/l	94
40) Benzene	6.019	78	39795	5.205	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048199.D
 Acq On : 17 Oct 2025 09:14
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2025

Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:51:33 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M

Quant Title : SW846 8260

QLast Update : Fri Oct 17 23:49:03 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.903	41	5290	4.801	ug/l #	87
42) 1,2-Dichloroethane	6.068	62	14854	5.423	ug/l	98
43) Isopropyl Acetate	6.318	43	16504	4.778	ug/l	100
44) Trichloroethene	7.110	130	9855	5.115	ug/l	92
45) 1,2-Dichloropropane	7.409	63	9944	5.139	ug/l #	87
46) Dibromomethane	7.562	93	7243	5.203	ug/l	97
47) Bromodichloromethane	7.805	83	15851	5.268	ug/l	91
48) Methyl methacrylate	7.677	41	8414	4.759	ug/l	93
49) 1,4-Dioxane	7.647	88	1603	100.719	ug/l #	71
51) 4-Methyl-2-Pentanone	8.555	43	46666	24.280	ug/l	97
52) Toluene	8.702	92	23020	5.010	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	13526	4.799	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	15513	5.049	ug/l #	73
55) 1,1,2-Trichloroethane	9.134	97	9082	5.297	ug/l	96
56) Ethyl methacrylate	9.098	69	10795	4.629	ug/l	98
57) 1,3-Dichloropropane	9.287	76	15679	5.234	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	24721	30.551	ug/l	99
59) 2-Hexanone	9.415	43	33559	24.963	ug/l	97
60) Dibromochloromethane	9.500	129	11485	5.352	ug/l	98
61) 1,2-Dibromoethane	9.592	107	8947	5.089	ug/l	98
64) Tetrachloroethene	9.256	164	8068	4.807	ug/l	97
65) Chlorobenzene	10.061	112	26648	5.091	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	9358	4.961	ug/l	98
67) Ethyl Benzene	10.177	91	44215	4.927	ug/l	96
68) m/p-Xylenes	10.281	106	32891	9.839	ug/l	98
69) o-Xylene	10.622	106	14730	4.681	ug/l	100
70) Styrene	10.640	104	25526	4.712	ug/l	97
71) Bromoform	10.780	173	7113	5.135	ug/l #	98
73) Isopropylbenzene	10.945	105	39744	4.792	ug/l	99
74) N-amyl acetate	10.823	43	13847	4.475	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	11275	4.798	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	8543m	4.691	ug/l	
77) Bromobenzene	11.177	156	10069	4.851	ug/l	99
78) n-propylbenzene	11.286	91	47678	4.740	ug/l	100
79) 2-Chlorotoluene	11.347	91	30248	4.977	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	32573	4.784	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	2894	3.891	ug/l	85
82) 4-Chlorotoluene	11.433	91	34843	4.879	ug/l	99
83) tert-Butylbenzene	11.695	119	32713	4.756	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	31779	4.687	ug/l	97
85) sec-Butylbenzene	11.872	105	40171	4.777	ug/l	100
86) p-Isopropyltoluene	11.988	119	35118	4.954	ug/l	97
87) 1,3-Dichlorobenzene	11.951	146	18693	4.816	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	20013	4.974	ug/l	91
89) n-Butylbenzene	12.311	91	31086	4.709	ug/l	98
90) Hexachloroethane	12.518	117	7333	4.902	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	17793	4.851	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	1930	4.495	ug/l	88
93) 1,2,4-Trichlorobenzene	13.567	180	9498	4.387	ug/l	100
94) Hexachlorobutadiene	13.707	225	3694	4.424	ug/l	94
95) Naphthalene	13.756	128	22221	3.894	ug/l	99
96) 1,2,3-Trichlorobenzene	13.945	180	9039	4.525	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048199.D
Acq On : 17 Oct 2025 09:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

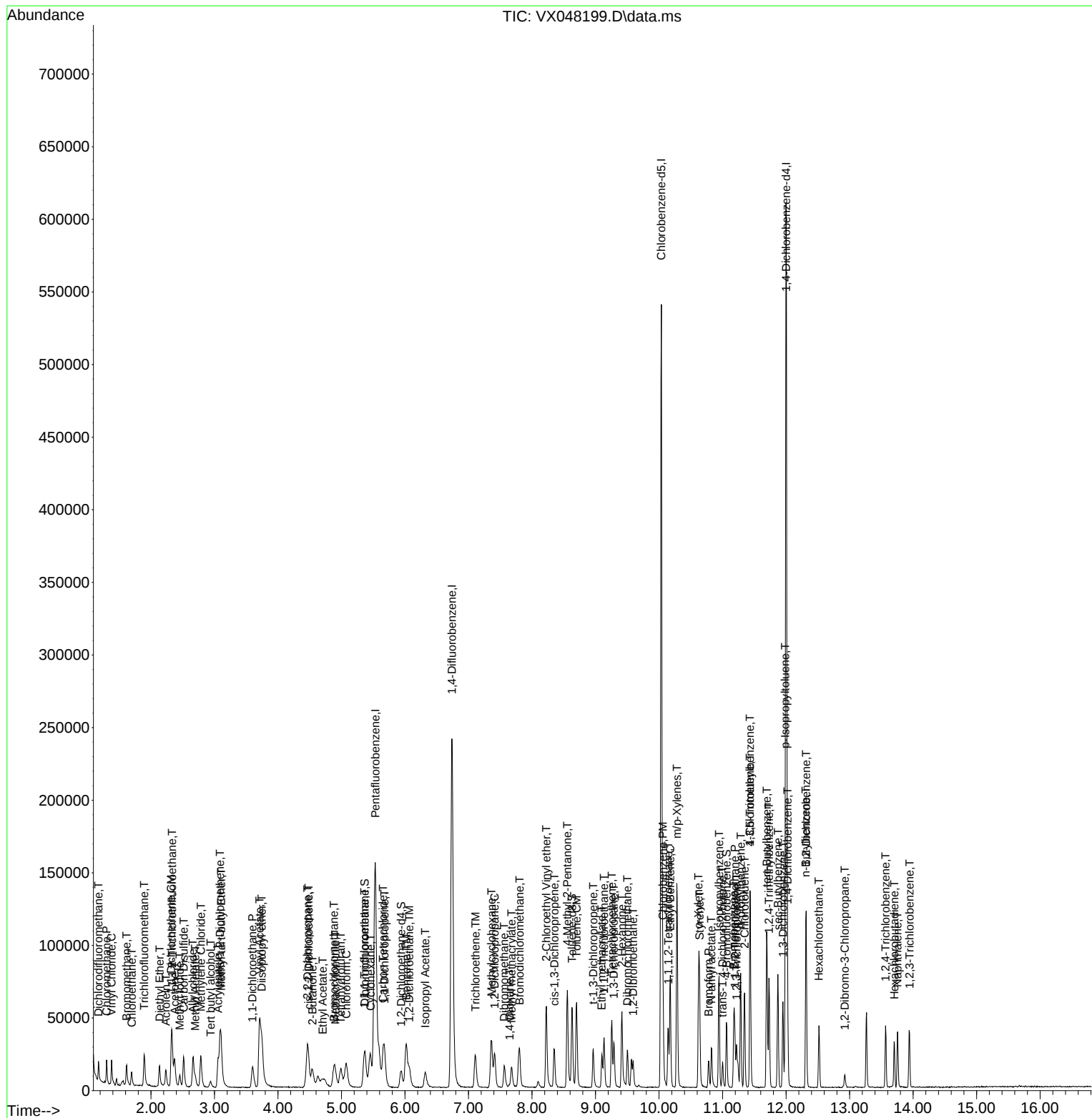
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048199.D
Acq On : 17 Oct 2025 09:14
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:51:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048200.D
 Acq On : 17 Oct 2025 09:35
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:52:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	152243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	259476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	235392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	115135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	45441	19.267	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	38.540%#		
35) Dibromofluoromethane	5.373	113	35347	19.628	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.260%#		
50) Toluene-d8	8.634	98	123286	19.003	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	38.000%#		
62) 4-Bromofluorobenzene	11.061	95	44537	18.848	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	37.700%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	28393	17.769	ug/l	96
3) Chloromethane	1.300	50	34807	17.981	ug/l	96
4) Vinyl Chloride	1.380	62	36678	17.981	ug/l	98
5) Bromomethane	1.624	94	25004	18.725	ug/l	94
6) Chloroethane	1.697	64	23829	18.357	ug/l	93
7) Trichlorofluoromethane	1.898	101	59127	18.467	ug/l	98
8) Diethyl Ether	2.136	74	19758	18.092	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	32626	18.083	ug/l	99
10) Methyl Iodide	2.459	142	35802	16.567	ug/l	96
11) Tert butyl alcohol	2.940	59	13042	83.338	ug/l	100
12) 1,1-Dichloroethene	2.325	96	31576	17.899	ug/l	99
13) Acrolein	2.239	56	30162	91.708	ug/l	98
14) Allyl chloride	2.666	41	57446	18.102	ug/l	98
15) Acrylonitrile	3.056	53	72649	96.879	ug/l	99
16) Acetone	2.373	43	78714	97.833	ug/l	98
17) Carbon Disulfide	2.514	76	99127	18.263	ug/l	100
18) Methyl Acetate	2.703	43	31105	18.981	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	99980	18.814	ug/l	97
20) Methylene Chloride	2.788	84	36931	18.842	ug/l	95
21) trans-1,2-Dichloroethene	3.099	96	33933	18.592	ug/l	96
22) Diisopropyl ether	3.751	45	117739	18.948	ug/l	97
23) Vinyl Acetate	3.715	43	445135	95.805	ug/l	99
24) 1,1-Dichloroethane	3.605	63	67274	19.084	ug/l	98
25) 2-Butanone	4.538	43	88683	94.609	ug/l	98
26) 2,2-Dichloropropane	4.465	77	54360	18.041	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	40384	18.644	ug/l	99
28) Bromochloromethane	4.885	49	26888	16.547	ug/l	99
29) Tetrahydrofuran	4.995	42	51429	93.427	ug/l	97
30) Chloroform	5.080	83	68996	18.590	ug/l	94
31) Cyclohexane	5.464	56	55383	19.200	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	58321	19.125	ug/l	98
36) 1,1-Dichloropropene	5.684	75	44106	17.386	ug/l	99
37) Ethyl Acetate	4.702	43	38648	19.063	ug/l	97
38) Carbon Tetrachloride	5.666	117	52596	18.063	ug/l	97
39) Methylcyclohexane	7.366	83	52276	18.276	ug/l	99
40) Benzene	6.025	78	137544	18.259	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048200.D
 Acq On : 17 Oct 2025 09:35
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:52:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	20924	19.271	ug/l	96
42) 1,2-Dichloroethane	6.068	62	51415	19.051	ug/l	99
43) Isopropyl Acetate	6.324	43	63854	18.762	ug/l	100
44) Trichloroethene	7.110	130	35880	18.900	ug/l	100
45) 1,2-Dichloropropane	7.415	63	37083	19.451	ug/l	97
46) Dibromomethane	7.568	93	25284	18.432	ug/l	96
47) Bromodichloromethane	7.805	83	56507	19.060	ug/l	99
48) Methyl methacrylate	7.677	41	33005	18.945	ug/l	99
49) 1,4-Dioxane	7.641	88	6318	402.877	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	182185	96.201	ug/l	99
52) Toluene	8.702	92	85262	18.832	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	52066	18.746	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	57193	18.893	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	32118	19.012	ug/l	98
56) Ethyl methacrylate	9.104	69	43616	18.983	ug/l	97
57) 1,3-Dichloropropane	9.293	76	56015	18.979	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	109951	87.551	ug/l	98
59) 2-Hexanone	9.415	43	127723	96.420	ug/l	98
60) Dibromochloromethane	9.506	129	40353	19.084	ug/l	100
61) 1,2-Dibromoethane	9.592	107	32476	18.749	ug/l	99
64) Tetrachloroethene	9.256	164	29834	18.076	ug/l	96
65) Chlorobenzene	10.061	112	95567	18.568	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	33146	17.871	ug/l	99
67) Ethyl Benzene	10.177	91	159512	18.078	ug/l	99
68) m/p-Xylenes	10.287	106	122901	37.388	ug/l	100
69) o-Xylene	10.622	106	56391	18.223	ug/l	98
70) Styrene	10.640	104	100737	18.912	ug/l	100
71) Bromoform	10.780	173	24913	18.292	ug/l #	100
73) Isopropylbenzene	10.945	105	147885	18.467	ug/l	99
74) N-amyl acetate	10.829	43	54555	18.261	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	42852	18.889	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	32033m	18.220	ug/l	
77) Bromobenzene	11.183	156	36931	18.429	ug/l	98
78) n-propylbenzene	11.286	91	180587	18.596	ug/l	99
79) 2-Chlorotoluene	11.347	91	110822	18.889	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	123979	18.861	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	12895	17.959	ug/l	95
82) 4-Chlorotoluene	11.439	91	129814	18.828	ug/l	100
83) tert-Butylbenzene	11.695	119	120319	18.118	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	124103	18.960	ug/l	98
85) sec-Butylbenzene	11.872	105	149810	18.453	ug/l	98
86) p-Isopropyltoluene	11.994	119	126086	18.425	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	68717	18.336	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	70018	18.024	ug/l	97
89) n-Butylbenzene	12.311	91	113088	17.742	ug/l	99
90) Hexachloroethane	12.518	117	25630	17.745	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	64353	18.175	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7531	18.167	ug/l	90
93) 1,2,4-Trichlorobenzene	13.567	180	36816	17.613	ug/l	99
94) Hexachlorobutadiene	13.707	225	13549	16.807	ug/l	98
95) Naphthalene	13.756	128	99425	18.045	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	33905	17.580	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048200.D
Acq On : 17 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:52:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

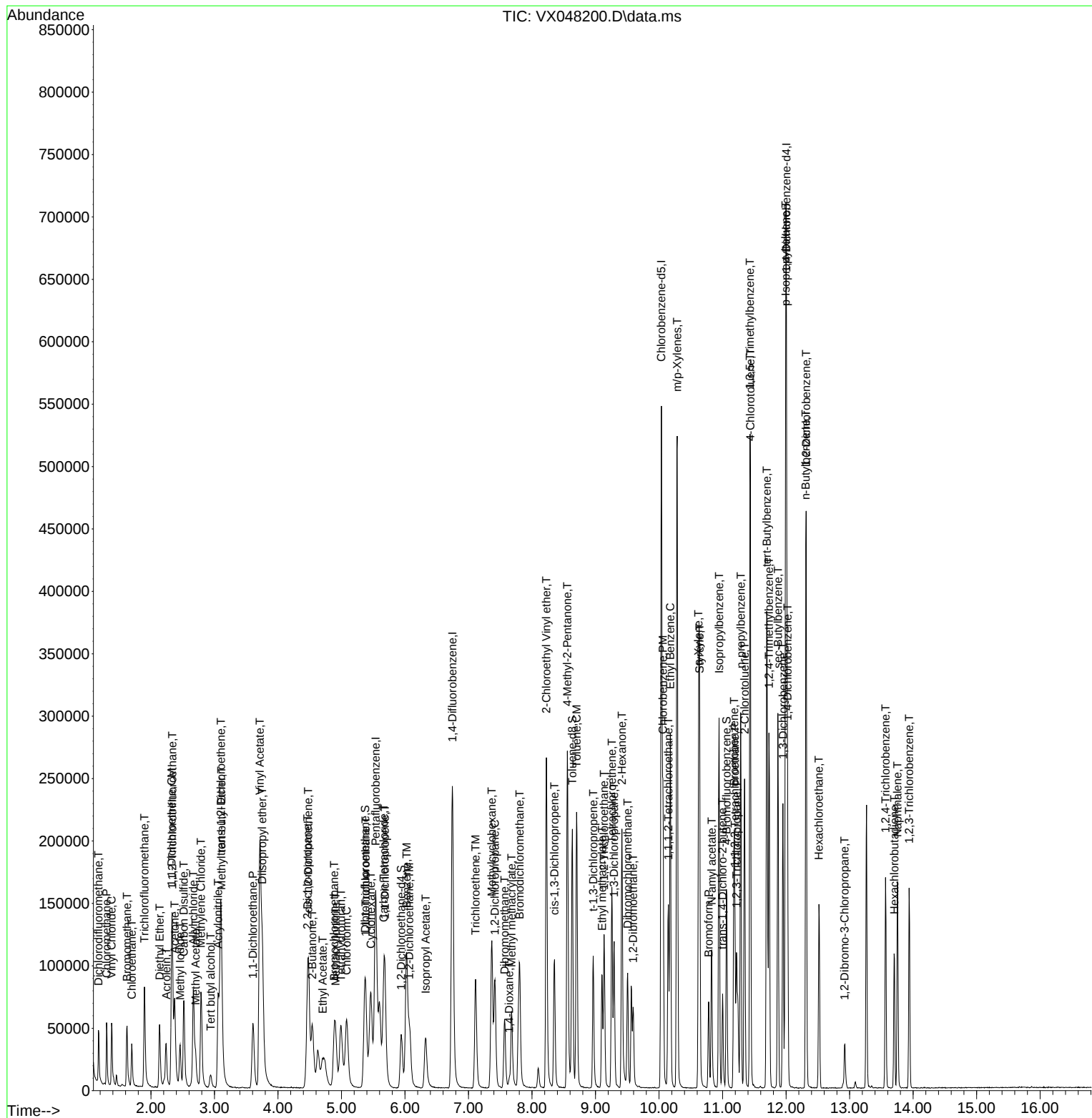
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048200.D
Acq On : 17 Oct 2025 09:35
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:52:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048201.D
 Acq On : 17 Oct 2025 09:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	144905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	233738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	106047	47.240	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.480%		
35) Dibromofluoromethane	5.373	113	79879	49.241	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.480%		
50) Toluene-d8	8.635	98	294942	50.468	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.940%		
62) 4-Bromofluorobenzene	11.061	95	105186	49.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	74849	49.215	ug/l	100
3) Chloromethane	1.301	50	87915	47.716	ug/l	100
4) Vinyl Chloride	1.380	62	97480	50.210	ug/l	100
5) Bromomethane	1.618	94	62910	49.497	ug/l	100
6) Chloroethane	1.697	64	58491	47.342	ug/l	100
7) Trichlorofluoromethane	1.898	101	149320	49.000	ug/l	100
8) Diethyl Ether	2.136	74	50491	48.574	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	84158	49.008	ug/l	100
10) Methyl Iodide	2.459	142	107865	52.442	ug/l	100
11) Tert butyl alcohol	2.941	59	35192	236.264	ug/l	100
12) 1,1-Dichloroethene	2.325	96	82401	49.074	ug/l	100
13) Acrolein	2.233	56	72337	231.080	ug/l	100
14) Allyl chloride	2.666	41	147166	48.724	ug/l	100
15) Acrylonitrile	3.056	53	185879	260.427	ug/l	100
16) Acetone	2.374	43	181892	237.521	ug/l	100
17) Carbon Disulfide	2.514	76	252931	48.958	ug/l	100
18) Methyl Acetate	2.697	43	78566	50.371	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	257848	50.980	ug/l	100
20) Methylene Chloride	2.788	84	92216	49.431	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	88909	51.182	ug/l	100
22) Diisopropyl ether	3.751	45	298658	50.498	ug/l	100
23) Vinyl Acetate	3.715	43	1154967	261.168	ug/l	100
24) 1,1-Dichloroethane	3.605	63	163290	48.666	ug/l	100
25) 2-Butanone	4.538	43	227696	255.213	ug/l	100
26) 2,2-Dichloropropane	4.465	77	137645	47.994	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	102610	49.771	ug/l	100
28) Bromochloromethane	4.885	49	81597	52.757	ug/l	100
29) Tetrahydrofuran	4.989	42	134302	256.331	ug/l	100
30) Chloroform	5.080	83	168931	47.821	ug/l	100
31) Cyclohexane	5.458	56	134044	48.824	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	140456	48.391	ug/l	100
36) 1,1-Dichloropropene	5.684	75	117638	51.478	ug/l	100
37) Ethyl Acetate	4.696	43	94549	51.771	ug/l	100
38) Carbon Tetrachloride	5.666	117	134481	51.270	ug/l	100
39) Methylcyclohexane	7.367	83	134638	52.254	ug/l	100
40) Benzene	6.025	78	349840	51.556	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048201.D
 Acq On : 17 Oct 2025 09:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	53392	54.588	ug/l	100
42) 1,2-Dichloroethane	6.068	62	127674	52.516	ug/l	100
43) Isopropyl Acetate	6.324	43	162898	53.135	ug/l	100
44) Trichloroethene	7.111	130	85828	50.188	ug/l	100
45) 1,2-Dichloropropane	7.415	63	88167	51.339	ug/l	100
46) Dibromomethane	7.568	93	62671	50.719	ug/l	100
47) Bromodichloromethane	7.806	83	136069	50.951	ug/l	100
48) Methyl methacrylate	7.678	41	83574	53.254	ug/l	100
49) 1,4-Dioxane	7.641	88	14628	1035.490	ug/l	100
51) 4-Methyl-2-Pentanone	8.555	43	461163	270.327	ug/l	100
52) Toluene	8.702	92	216685	53.129	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	132711	53.044	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	144189	52.875	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	78292	51.449	ug/l	100
56) Ethyl methacrylate	9.098	69	115491	55.800	ug/l	100
57) 1,3-Dichloropropane	9.293	76	137565	51.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	301874	237.498	ug/l	100
59) 2-Hexanone	9.415	43	323629	271.214	ug/l	100
60) Dibromochloromethane	9.506	129	99180	52.070	ug/l	100
61) 1,2-Dibromoethane	9.592	107	80814	51.792	ug/l	100
64) Tetrachloroethene	9.256	164	73122	49.965	ug/l	100
65) Chlorobenzene	10.061	112	234754	51.440	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	82328	50.061	ug/l	100
67) Ethyl Benzene	10.177	91	413167	52.808	ug/l	100
68) m/p-Xylenes	10.287	106	309325	106.125	ug/l	100
69) o-Xylene	10.622	106	146328	53.330	ug/l	100
70) Styrene	10.640	104	257332	54.486	ug/l	100
71) Bromoform	10.781	173	62282	51.573	ug/l #	100
73) Isopropylbenzene	10.945	105	383184	53.140	ug/l	100
74) N-amyl acetate	10.823	43	143916	53.500	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	105230	51.513	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	83086m	52.482	ug/l	
77) Bromobenzene	11.177	156	92708	51.377	ug/l	100
78) n-propylbenzene	11.287	91	461479	52.775	ug/l	100
79) 2-Chlorotoluene	11.348	91	269780	51.065	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	314287	53.099	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	34185	52.874	ug/l	100
82) 4-Chlorotoluene	11.433	91	325295	52.395	ug/l	100
83) tert-Butylbenzene	11.695	119	307163	51.367	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	316687	53.732	ug/l	100
85) sec-Butylbenzene	11.872	105	375832	51.411	ug/l	100
86) p-Isopropyltoluene	11.988	119	326853	53.044	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	174303	51.652	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	178082	50.909	ug/l	100
89) n-Butylbenzene	12.311	91	302597	52.723	ug/l	100
90) Hexachloroethane	12.518	117	64788	49.815	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	166224	52.135	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	17468	46.797	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	97102	51.590	ug/l	100
94) Hexachlorobutadiene	13.701	225	35845	49.380	ug/l	100
95) Naphthalene	13.756	128	273763	55.178	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	94728	54.549	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048201.D
Acq On : 17 Oct 2025 09:55
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

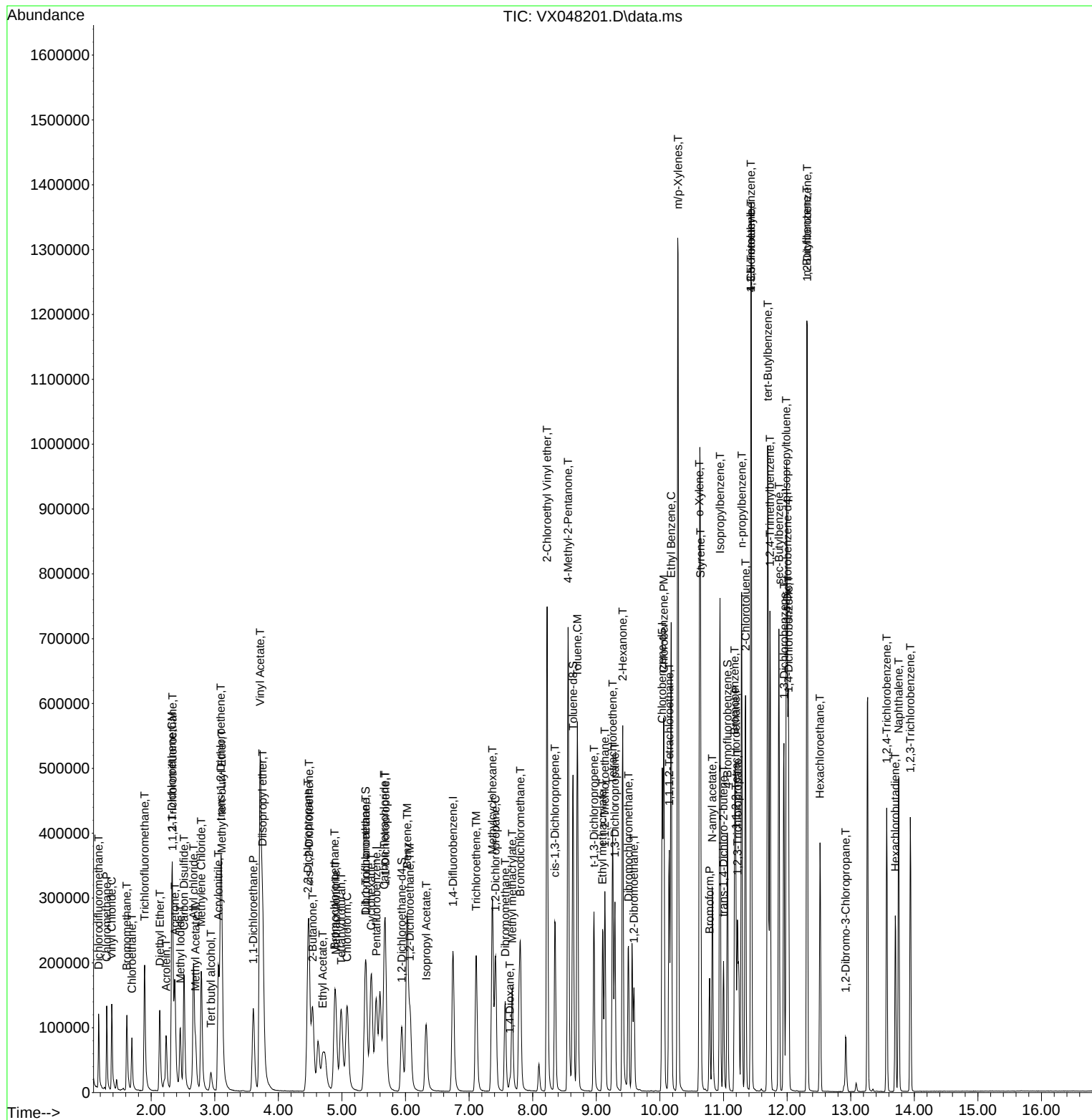
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048201.D
 Acq On : 17 Oct 2025 09:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Oct 17 23:53:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
 Supervised By :Mahesh Dadoda 10/20/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048202.D
 Acq On : 17 Oct 2025 10:16
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 17 23:53:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	133656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	228136	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	202622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	98372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	202002	97.557	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 195.120%#			
35) Dibromofluoromethane	5.373	113	158514	100.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.220%#			
50) Toluene-d8	8.635	98	558638	97.937	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 195.880%#			
62) 4-Bromofluorobenzene	11.061	95	203127	97.772	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 195.540%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	141233	100.679	ug/l	97
3) Chloromethane	1.301	50	170903	100.564	ug/l	100
4) Vinyl Chloride	1.380	62	184502	103.031	ug/l	100
5) Bromomethane	1.612	94	120768	103.016	ug/l	99
6) Chloroethane	1.691	64	117828	103.395	ug/l	97
7) Trichlorofluoromethane	1.892	101	283265	100.778	ug/l	99
8) Diethyl Ether	2.136	74	99852	104.147	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	158867	100.299	ug/l	100
10) Methyl Iodide	2.453	142	216949	114.353	ug/l	99
11) Tert butyl alcohol	2.947	59	70592	513.812	ug/l	99
12) 1,1-Dichloroethene	2.325	96	159979	103.294	ug/l	97
13) Acrolein	2.233	56	143832	498.142	ug/l	99
14) Allyl chloride	2.666	41	290914	104.422	ug/l	99
15) Acrylonitrile	3.056	53	364153	553.138	ug/l	100
16) Acetone	2.374	43	338972	479.896	ug/l	99
17) Carbon Disulfide	2.514	76	480406	100.815	ug/l	100
18) Methyl Acetate	2.697	43	150315	104.482	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	503763	107.982	ug/l	100
20) Methylene Chloride	2.788	84	175942	102.249	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	169748	105.942	ug/l	99
22) Diisopropyl ether	3.751	45	580065	106.333	ug/l	99
23) Vinyl Acetate	3.715	43	2254577	552.727	ug/l	100
24) 1,1-Dichloroethane	3.605	63	316968	102.418	ug/l	99
25) 2-Butanone	4.538	43	431769	524.679	ug/l	100
26) 2,2-Dichloropropane	4.471	77	266691	100.816	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	199554	104.941	ug/l	99
28) Bromochloromethane	4.891	49	153564	107.645	ug/l	99
29) Tetrahydrofuran	4.983	42	261331	540.759	ug/l	100
30) Chloroform	5.080	83	321430	98.649	ug/l	97
31) Cyclohexane	5.458	56	266665	105.304	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	281604	105.187	ug/l	98
36) 1,1-Dichloropropene	5.678	75	220854	99.018	ug/l	99
37) Ethyl Acetate	4.696	43	188919	105.984	ug/l	98
38) Carbon Tetrachloride	5.666	117	246511	96.288	ug/l	97
39) Methylcyclohexane	7.367	83	263474	104.768	ug/l	97
40) Benzene	6.025	78	676625	102.163	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048202.D
 Acq On : 17 Oct 2025 10:16
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	101831	106.668	ug/l	99
42) 1,2-Dichloroethane	6.074	62	228400	96.255	ug/l	98
43) Isopropyl Acetate	6.324	43	320463	107.098	ug/l	97
44) Trichloroethene	7.111	130	172256	103.199	ug/l	97
45) 1,2-Dichloropropane	7.415	63	169795	101.299	ug/l	99
46) Dibromomethane	7.568	93	120808	100.170	ug/l	100
47) Bromodichloromethane	7.806	83	262522	100.714	ug/l	98
48) Methyl methacrylate	7.678	41	163691	106.866	ug/l	99
49) 1,4-Dioxane	7.647	88	30472	2210.027	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	890841	535.021	ug/l	98
52) Toluene	8.702	92	411490	103.371	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	261252	106.986	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	282702	106.213	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	150855	101.567	ug/l	99
56) Ethyl methacrylate	9.098	69	229045	113.382	ug/l	100
57) 1,3-Dichloropropane	9.293	76	263100	101.389	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	649675	506.414	ug/l	100
59) 2-Hexanone	9.415	43	622653	534.621	ug/l	99
60) Dibromochloromethane	9.507	129	191498	103.006	ug/l	100
61) 1,2-Dibromoethane	9.592	107	157062	103.129	ug/l	97
64) Tetrachloroethene	9.257	164	138367	97.393	ug/l	99
65) Chlorobenzene	10.061	112	451146	101.832	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	159981	100.207	ug/l	99
67) Ethyl Benzene	10.177	91	797886	105.049	ug/l	100
68) m/p-Xylenes	10.287	106	593973	209.915	ug/l	99
69) o-Xylene	10.622	106	285253	107.091	ug/l	99
70) Styrene	10.640	104	499350	108.910	ug/l	99
71) Bromoform	10.781	173	118639	101.196	ug/l #	99
73) Isopropylbenzene	10.945	105	732207	107.015	ug/l	100
74) N-amyl acetate	10.823	43	286532	112.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	195059	100.632	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	154776m	103.035	ug/l	
77) Bromobenzene	11.183	156	176327	102.983	ug/l	98
78) n-propylbenzene	11.287	91	877504	105.759	ug/l	100
79) 2-Chlorotoluene	11.348	91	514544	102.644	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	605302	107.776	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	68698	111.982	ug/l	98
82) 4-Chlorotoluene	11.439	91	616367	104.628	ug/l	99
83) tert-Butylbenzene	11.695	119	603179	106.306	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	605612	108.291	ug/l	100
85) sec-Butylbenzene	11.872	105	729402	105.153	ug/l	99
86) p-Isopropyltoluene	11.994	119	615443	105.260	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	326678	102.022	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	327189	98.575	ug/l	99
89) n-Butylbenzene	12.317	91	573374	105.286	ug/l	100
90) Hexachloroethane	12.518	117	120982	98.034	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	308559	101.993	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	37798	106.717	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	192219	107.629	ug/l	100
94) Hexachlorobutadiene	13.707	225	66266	96.208	ug/l	99
95) Naphthalene	13.756	128	555687	118.037	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	179498	108.933	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048202.D
Acq On : 17 Oct 2025 10:16
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

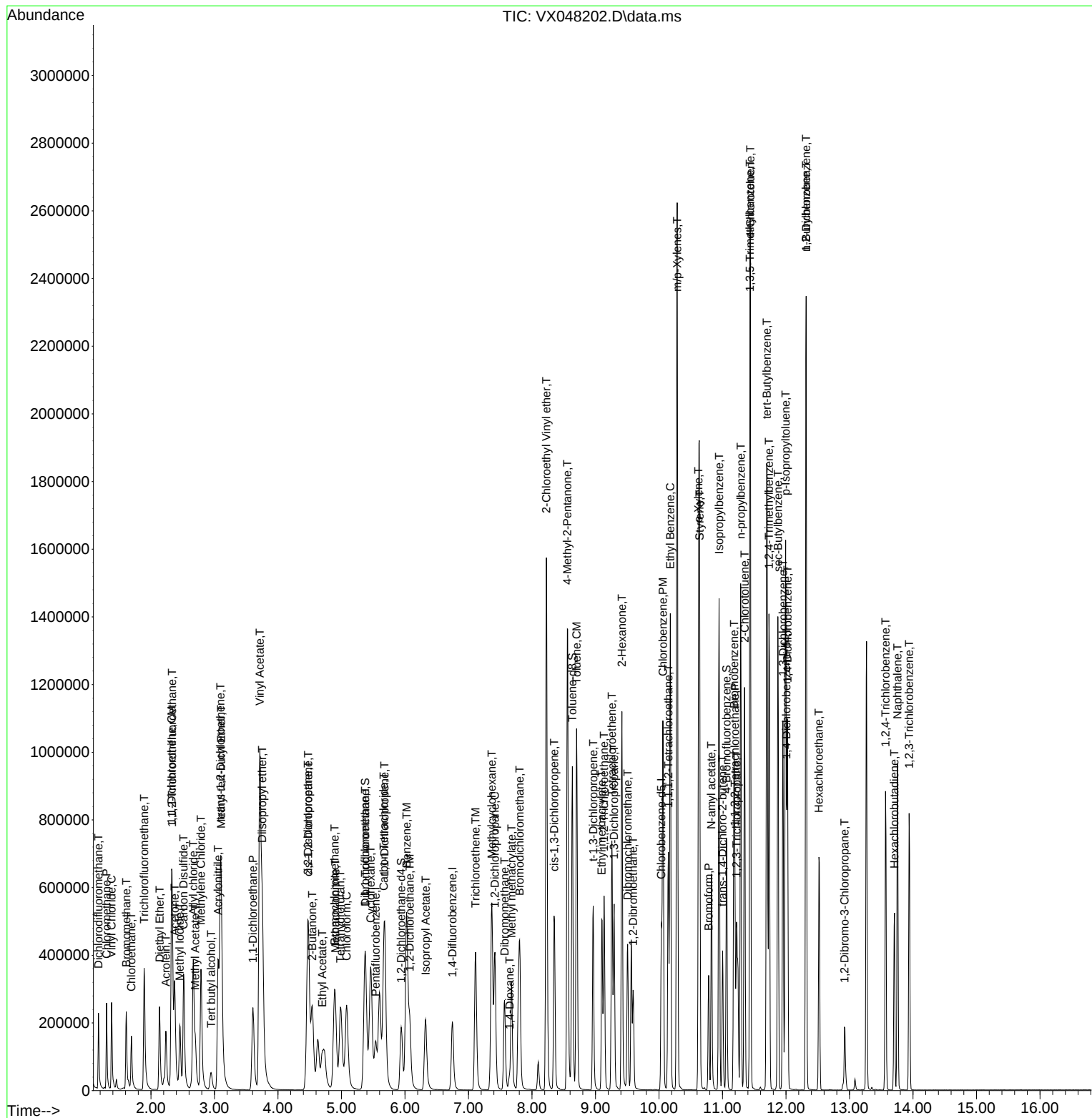
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048202.D
 Acq On : 17 Oct 2025 10:16
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048203.D
 Acq On : 17 Oct 2025 10:36
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:54:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	117704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	210821	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	188406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	90909	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.940	65	274559	150.569	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 301.140%#	
35) Dibromofluoromethane	5.373	113	210113	143.603	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 287.200%#	
50) Toluene-d8	8.635	98	800240	151.816	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 303.640%#	
62) 4-Bromofluorobenzene	11.061	95	297432	154.922	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 309.840%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	191262	154.821	ug/l	97
3) Chloromethane	1.301	50	233858	156.258	ug/l	100
4) Vinyl Chloride	1.380	62	252817	160.313	ug/l	100
5) Bromomethane	1.605	94	147750m	143.112	ug/l	
6) Chloroethane	1.691	64	152304	151.760	ug/l	96
7) Trichlorofluoromethane	1.892	101	377782	152.619	ug/l	100
8) Diethyl Ether	2.136	74	132579	157.022	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	209786	150.397	ug/l	100
10) Methyl Iodide	2.453	142	294909	176.512	ug/l	99
11) Tert butyl alcohol	2.953	59	97891	809.075	ug/l	99
12) 1,1-Dichloroethene	2.325	96	217022	159.115	ug/l	95
13) Acrolein	2.233	56	201849	793.819	ug/l	99
14) Allyl chloride	2.666	41	397515	162.023	ug/l	99
15) Acrylonitrile	3.056	53	495164	854.076	ug/l	100
16) Acetone	2.374	43	443536	713.033	ug/l	99
17) Carbon Disulfide	2.514	76	645532	153.827	ug/l	99
18) Methyl Acetate	2.697	43	208225	164.350	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	694786	169.112	ug/l	99
20) Methylene Chloride	2.788	84	241039	159.065	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	228947	162.254	ug/l	98
22) Diisopropyl ether	3.751	45	784834	163.368	ug/l	100
23) Vinyl Acetate	3.715	43	3085268	858.886	ug/l	100
24) 1,1-Dichloroethane	3.605	63	429425	157.560	ug/l	100
25) 2-Butanone	4.538	43	585250	807.571	ug/l	98
26) 2,2-Dichloropropane	4.465	77	369019	158.405	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	271629	162.203	ug/l	99
28) Bromochloromethane	4.885	49	212685	169.292	ug/l	96
29) Tetrahydrofuran	4.983	42	355888	836.226	ug/l	99
30) Chloroform	5.080	83	438527	152.827	ug/l	98
31) Cyclohexane	5.458	56	320574	143.749	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	346247	146.860	ug/l	99
36) 1,1-Dichloropropene	5.684	75	274873	133.359	ug/l	100
37) Ethyl Acetate	4.696	43	263583	160.015	ug/l	100
38) Carbon Tetrachloride	5.666	117	315826	133.495	ug/l	99
39) Methylcyclohexane	7.367	83	357557	153.856	ug/l	96
40) Benzene	6.025	78	906330	148.085	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048203.D
 Acq On : 17 Oct 2025 10:36
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:54:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	143876	163.089	ug/l	98
42) 1,2-Dichloroethane	6.074	62	321581	146.655	ug/l	98
43) Isopropyl Acetate	6.324	43	445943	161.273	ug/l	98
44) Trichloroethene	7.111	130	226452	146.811	ug/l	97
45) 1,2-Dichloropropane	7.415	63	231605	149.522	ug/l	99
46) Dibromomethane	7.568	93	164711	147.789	ug/l	99
47) Bromodichloromethane	7.806	83	356656	148.066	ug/l	99
48) Methyl methacrylate	7.678	41	229909	162.424	ug/l	98
49) 1,4-Dioxane	7.647	88	41831	3283.029	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	1217261	791.106	ug/l	98
52) Toluene	8.702	92	565979	153.859	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	365322	161.891	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	391297	159.088	ug/l	97
55) 1,1,2-Trichloroethane	9.135	97	203730	148.432	ug/l	99
56) Ethyl methacrylate	9.104	69	322997	173.022	ug/l	99
57) 1,3-Dichloropropane	9.293	76	361920	150.926	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	899124	751.288	ug/l	100
59) 2-Hexanone	9.415	43	849774	789.557	ug/l	98
60) Dibromochloromethane	9.506	129	261816	152.397	ug/l	100
61) 1,2-Dibromoethane	9.592	107	214969	152.744	ug/l	98
64) Tetrachloroethene	9.256	164	187250	141.745	ug/l	99
65) Chlorobenzene	10.061	112	618687	150.186	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	217603	146.584	ug/l	100
67) Ethyl Benzene	10.177	91	1093674	154.857	ug/l	99
68) m/p-Xylenes	10.287	106	812262	308.720	ug/l	98
69) o-Xylene	10.622	106	390402	157.625	ug/l	99
70) Styrene	10.640	104	679119	159.295	ug/l	99
71) Bromoform	10.781	173	163653	150.124	ug/l #	98
73) Isopropylbenzene	10.945	105	1000890	158.294	ug/l	100
74) N-amyl acetate	10.823	43	400695	169.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	269668	150.544	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	213642m	153.898	ug/l	
77) Bromobenzene	11.183	156	244233	154.353	ug/l	100
78) n-propylbenzene	11.287	91	1193225	155.616	ug/l	99
79) 2-Chlorotoluene	11.348	91	703746	151.911	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	821868	158.350	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	97497	171.972	ug/l	99
82) 4-Chlorotoluene	11.439	91	847504	155.674	ug/l	100
83) tert-Butylbenzene	11.695	119	832967	158.856	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	818722	158.416	ug/l	99
85) sec-Butylbenzene	11.872	105	1003314	156.515	ug/l	99
86) p-Isopropyltoluene	11.994	119	839384	155.346	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	447676	151.287	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	450413	146.840	ug/l	99
89) n-Butylbenzene	12.311	91	790908	157.153	ug/l	99
90) Hexachloroethane	12.518	117	168545	147.787	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	429167	153.505	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	53414	163.187	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	272260	164.961	ug/l	100
94) Hexachlorobutadiene	13.707	225	95077	149.369	ug/l	98
95) Naphthalene	13.756	128	793583	182.408	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	253674	166.587	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048203.D
Acq On : 17 Oct 2025 10:36
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:54:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

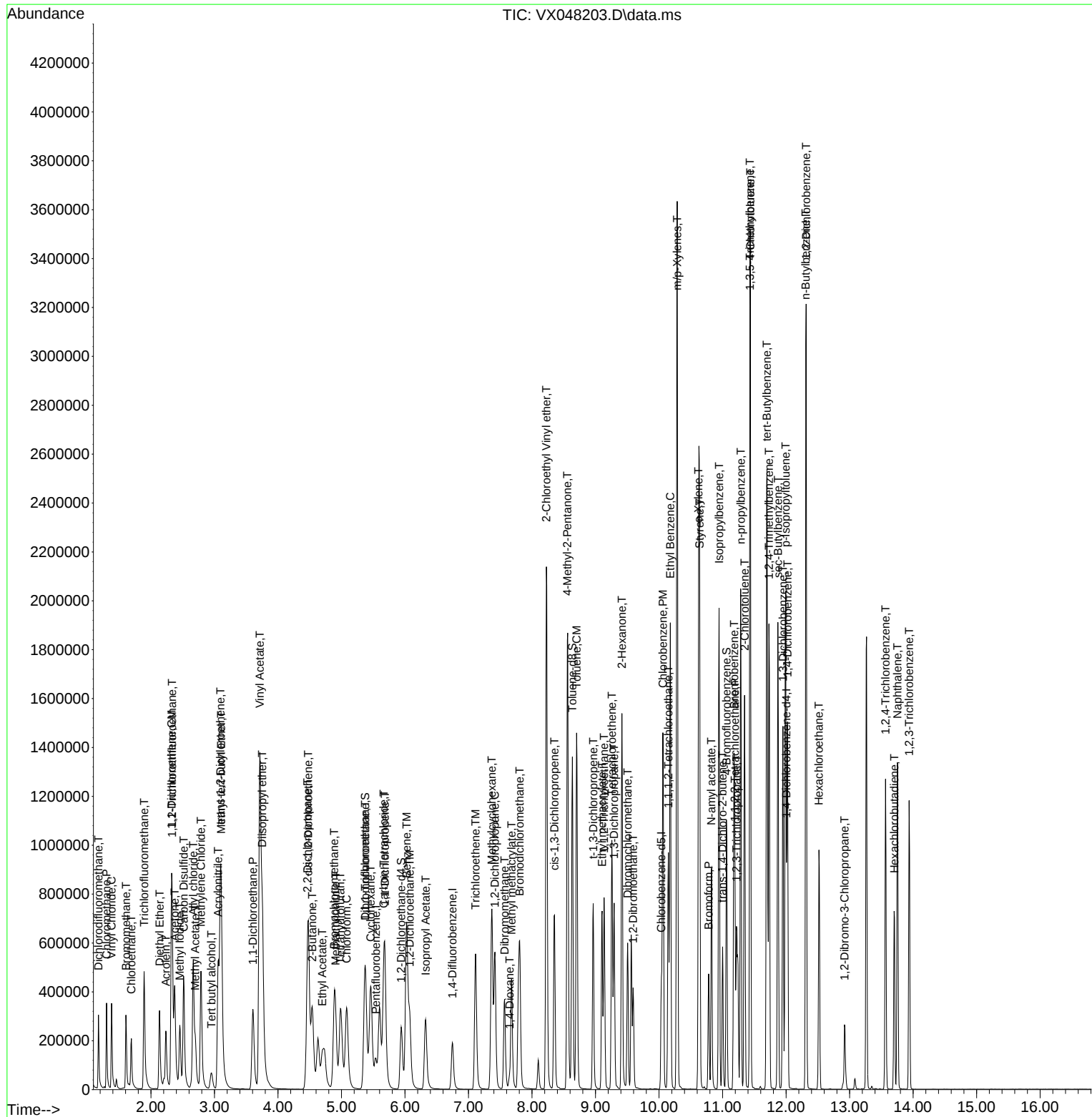
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048205.D
 Acq On : 17 Oct 2025 12:05
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX101725

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:11:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	156355	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	244720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	219005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.933	65	103755	42.834	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.660%		
35) Dibromofluoromethane	5.367	113	89936	52.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.900%		
50) Toluene-d8	8.628	98	310880	50.808	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.620%		
62) 4-Bromofluorobenzene	11.061	95	113751	51.042	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	73686	44.902	ug/l	98
3) Chloromethane	1.300	50	88801	44.667	ug/l	100
4) Vinyl Chloride	1.379	62	98235	46.893	ug/l	98
5) Bromomethane	1.617	94	65405	46.950	ug/l	99
6) Chloroethane	1.696	64	59980	44.992	ug/l	96
7) Trichlorofluoromethane	1.892	101	149479	45.460	ug/l	98
8) Diethyl Ether	2.135	74	50265	44.816	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.330	101	86497	46.681	ug/l	98
10) Methyl Iodide	2.452	142	104943	47.285	ug/l	99
11) Tert butyl alcohol	2.934	59	36729	228.526	ug/l	99
12) 1,1-Dichloroethene	2.324	96	86671	47.837	ug/l	89
13) Acrolein	2.233	56	65766m	194.704	ug/l	
14) Allyl chloride	2.660	41	150638	46.221	ug/l	99
15) Acrylonitrile	3.050	53	183048	237.679	ug/l	100
16) Acetone	2.367	43	181655	219.841	ug/l	98
17) Carbon Disulfide	2.513	76	249141	44.693	ug/l	100
18) Methyl Acetate	2.696	43	74357	44.181	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	260919	47.809	ug/l	99
20) Methylene Chloride	2.788	84	92616	46.010	ug/l	99
21) trans-1,2-Dichloroethene	3.086	96	86831	46.325	ug/l	93
22) Diisopropyl ether	3.745	45	302610	47.419	ug/l	99
23) Vinyl Acetate	3.708	43	1160089	243.116	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165401	45.685	ug/l	100
25) 2-Butanone	4.531	43	225805	234.559	ug/l	96
26) 2,2-Dichloropropane	4.464	77	142661	46.100	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	102088	45.892	ug/l	97
28) Bromochloromethane	4.879	49	83811	50.221	ug/l	99
29) Tetrahydrofuran	4.982	42	133341	235.860	ug/l	99
30) Chloroform	5.068	83	172867	45.352	ug/l	99
31) Cyclohexane	5.458	56	149730	50.544	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	153064	48.873	ug/l	99
36) 1,1-Dichloropropene	5.677	75	111893	46.767	ug/l	99
37) Ethyl Acetate	4.690	43	97568	51.026	ug/l	99
38) Carbon Tetrachloride	5.659	117	128407	46.757	ug/l	99
39) Methylcyclohexane	7.360	83	140029	51.908	ug/l	97
40) Benzene	6.019	78	350574	49.346	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048205.D
 Acq On : 17 Oct 2025 12:05
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX101725

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:11:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	54889	53.600	ug/l	99
42) 1,2-Dichloroethane	6.068	62	121006	47.540	ug/l	98
43) Isopropyl Acetate	6.318	43	167171	52.082	ug/l	99
44) Trichloroethene	7.104	130	87333	48.776	ug/l	97
45) 1,2-Dichloropropane	7.409	63	88472	49.205	ug/l	96
46) Dibromomethane	7.561	93	63357	48.973	ug/l	99
47) Bromodichloromethane	7.799	83	137123	49.041	ug/l	98
48) Methyl methacrylate	7.671	41	84299	51.305	ug/l	100
49) 1,4-Dioxane	7.641	88	16652	1125.868	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	457688	256.250	ug/l	98
52) Toluene	8.701	92	218354	51.136	ug/l	100
53) t-1,3-Dichloropropene	8.957	75	136059	51.942	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	147855	51.786	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	79039	49.609	ug/l	98
56) Ethyl methacrylate	9.098	69	117498	54.222	ug/l	100
57) 1,3-Dichloropropane	9.293	76	138231	49.659	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.220	63	316000	237.458	ug/l	100
59) 2-Hexanone	9.408	43	324396	259.657	ug/l	99
60) Dibromochloromethane	9.500	129	100115	50.202	ug/l	100
61) 1,2-Dibromoethane	9.591	107	81145	49.670	ug/l	99
64) Tetrachloroethene	9.256	164	73778	48.046	ug/l	99
65) Chlorobenzene	10.061	112	237990	49.700	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	84693	49.081	ug/l	98
67) Ethyl Benzene	10.177	91	420398	51.209	ug/l	99
68) m/p-Xylenes	10.280	106	316253	103.406	ug/l	99
69) o-Xylene	10.622	106	149640	51.976	ug/l	100
70) Styrene	10.634	104	259319	52.327	ug/l	99
71) Bromoform	10.780	173	62138	49.037	ug/l #	100
73) Isopropylbenzene	10.945	105	391926	52.678	ug/l	100
74) N-amyl acetate	10.823	43	145987	52.597	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	103361	49.039	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	81768m	50.058	ug/l	
77) Bromobenzene	11.176	156	93338	50.132	ug/l	99
78) n-propylbenzene	11.286	91	473874	52.522	ug/l	99
79) 2-Chlorotoluene	11.347	91	278351	51.064	ug/l	100
80) 1,3,5-Trimethylbenzene	11.432	105	324513	53.137	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	34576	51.831	ug/l	97
82) 4-Chlorotoluene	11.432	91	334431	52.207	ug/l	100
83) tert-Butylbenzene	11.695	119	319164	51.730	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	325437	53.516	ug/l	100
85) sec-Butylbenzene	11.871	105	395960	52.495	ug/l	99
86) p-Isopropyltoluene	11.987	119	329988	51.902	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	174040	49.985	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	176415	48.878	ug/l	99
89) n-Butylbenzene	12.316	91	312594	52.787	ug/l	100
90) Hexachloroethane	12.518	117	63664	47.442	ug/l	97
91) 1,2-Dichlorobenzene	12.316	146	163248	49.624	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	18921	49.127	ug/l	94
93) 1,2,4-Trichlorobenzene	13.566	180	101316	52.170	ug/l	100
94) Hexachlorobutadiene	13.706	225	39285	52.452	ug/l	98
95) Naphthalene	13.755	128	281261	54.943	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	95099	53.075	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048205.D
Acq On : 17 Oct 2025 12:05
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

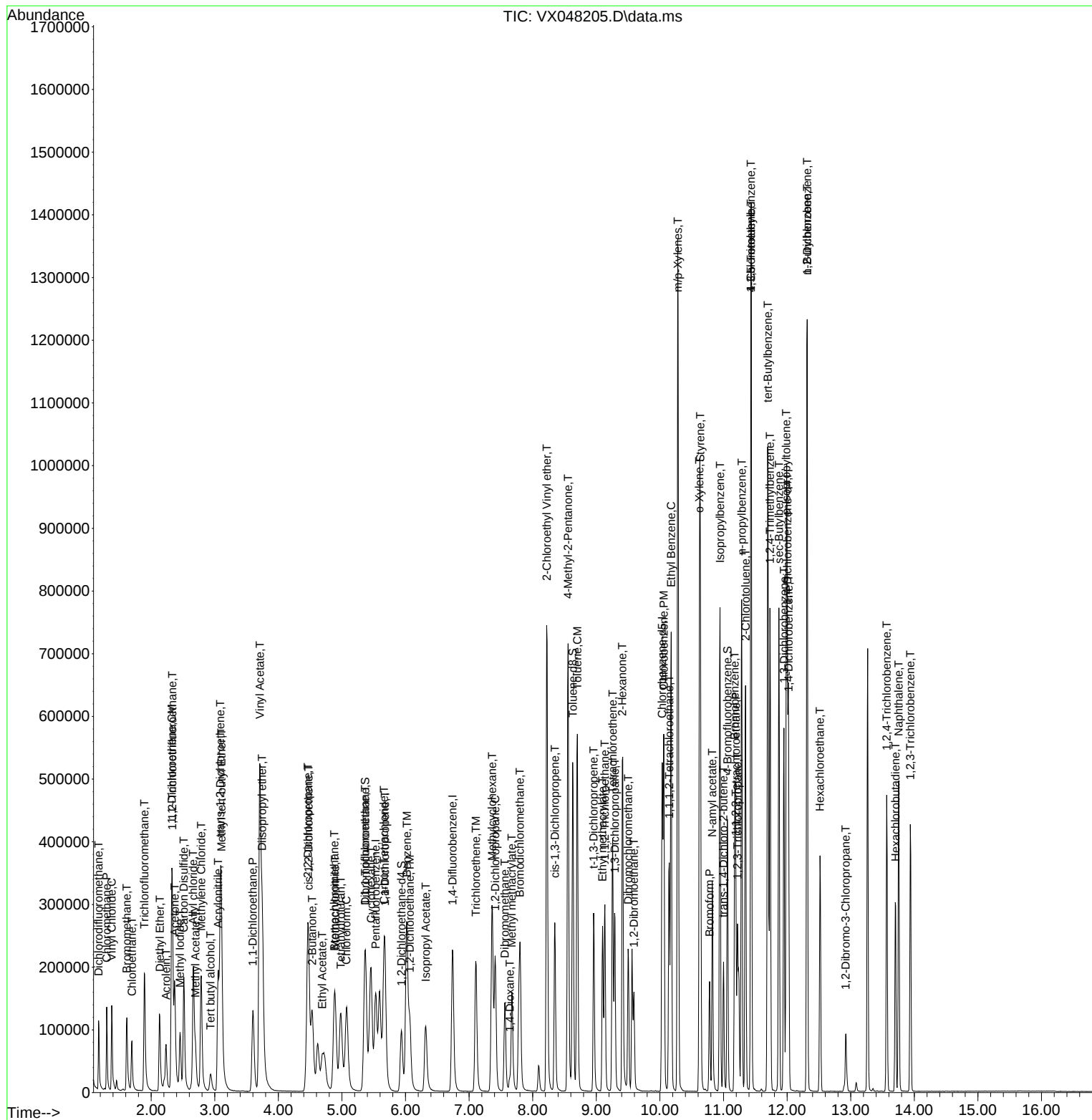
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048205.D
 Acq On : 17 Oct 2025 12:05
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX101725

Quant Time: Oct 18 00:11:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 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	108	-0.01
2 T	Dichlorodifluoromethane	0.525	0.471	10.3	98	0.00
3 P	Chloromethane	0.636	0.568	10.7	101	0.00
4 C	Vinyl Chloride	0.670	0.628	6.3#	101	0.00
5 T	Bromomethane	0.445	0.418	6.1	104	0.00
6 T	Chloroethane	0.426	0.384	9.9	103	0.00
7 T	Trichlorofluoromethane	1.052	0.956	9.1	100	0.00
8 T	Diethyl Ether	0.359	0.321	10.6	100	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.593	0.553	6.7	103	0.00
10 T	Methyl Iodide	0.710	0.671	5.5	97	0.00
11 T	Tert butyl alcohol	0.051	0.047	7.8	104	0.00
12 CM	1,1-Dichloroethene	0.579	0.554	4.3#	105	0.00
13 T	Acrolein	0.108	0.084	22.2	91	0.00
14 T	Allyl chloride	1.042	0.963	7.6	102	0.00
15 T	Acrylonitrile	0.246	0.234	4.9	98	0.00
16 T	Acetone	0.264	0.232	12.1	100	0.00
17 T	Carbon Disulfide	1.783	1.593	10.7	99	0.00
18 T	Methyl Acetate	0.538	0.476	11.5	95	0.00
19 T	Methyl tert-butyl Ether	1.745	1.669	4.4	101	0.00
20 T	Methylene Chloride	0.644	0.592	8.1	100	0.00
21 T	trans-1,2-Dichloroethene	0.599	0.555	7.3	98	0.00
22 T	Diisopropyl ether	2.041	1.935	5.2	101	0.00
23 T	Vinyl Acetate	1.526	1.484	2.8	100	0.00
24 P	1,1-Dichloroethane	1.158	1.058	8.6	101	0.00
25 T	2-Butanone	0.308	0.289	6.2	99	0.00
26 T	2,2-Dichloropropane	0.990	0.912	7.9	104	0.00
27 T	cis-1,2-Dichloroethene	0.711	0.653	8.2	99	0.00
28 T	Bromochloromethane	0.534	0.536	-0.4	103	0.00
29 T	Tetrahydrofuran	0.181	0.171	5.5	99	0.00
30 C	Chloroform	1.219	1.106	9.3#	102	-0.01
31 T	Cyclohexane	0.947	0.958	-1.2	112	0.00
32 T	1,1,1-Trichloroethane	1.002	0.979	2.3	109	0.00
33 S	1,2-Dichloroethane-d4	0.775	0.664	14.3	98	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.347	0.368	-6.1	113	0.00
36 T	1,1-Dichloropropene	0.489	0.457	6.5	95	0.00
37 T	Ethyl Acetate	0.391	0.399	-2.0	103	0.00
38 T	Carbon Tetrachloride	0.561	0.525	6.4	95	0.00
39 T	Methylcyclohexane	0.551	0.572	-3.8	104	0.00
40 TM	Benzene	1.452	1.433	1.3	100	0.00
41 T	Methacrylonitrile	0.209	0.224	-7.2	103	-0.01
42 TM	1,2-Dichloroethane	0.520	0.494	5.0	95	0.00
43 T	Isopropyl Acetate	0.656	0.683	-4.1	103	0.00
44 TM	Trichloroethene	0.366	0.357	2.5	102	0.00
45 C	1,2-Dichloropropane	0.367	0.362	1.4#	100	0.00
46 T	Dibromomethane	0.264	0.259	1.9	101	0.00
47 T	Bromodichloromethane	0.571	0.560	1.9	101	0.00
48 T	Methyl methacrylate	0.336	0.344	-2.4	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048205.D
 Acq On : 17 Oct 2025 12:05
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX101725

Quant Time: Oct 18 00:11:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.003	0.003	0.0	114	0.00
50 S	Toluene-d8	1.250	1.270	-1.6	105	0.00
51 T	4-Methyl-2-Pentanone	0.365	0.374	-2.5	99	0.00
52 CM	Toluene	0.872	0.892	-2.3#	101	0.00
53 T	t-1,3-Dichloropropene	0.535	0.556	-3.9	103	0.00
54 T	cis-1,3-Dichloropropene	0.583	0.604	-3.6	103	0.00
55 T	1,1,2-Trichloroethane	0.326	0.323	0.9	101	0.00
56 T	Ethyl methacrylate	0.443	0.480	-8.4	102	0.00
57 T	1,3-Dichloropropane	0.569	0.565	0.7	100	0.00
58 T	2-Chloroethyl Vinyl ether	0.227	0.258	-13.7	105	0.00
59 T	2-Hexanone	0.255	0.265	-3.9	100	0.00
60 T	Dibromochloromethane	0.407	0.409	-0.5	101	0.00
61 T	1,2-Dibromoethane	0.334	0.332	0.6	100	0.00
62 S	4-Bromofluorobenzene	0.455	0.465	-2.2	108	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.351	0.337	4.0	101	0.00
65 PM	Chlorobenzene	1.093	1.087	0.5	101	0.00
66 T	1,1,1,2-Tetrachloroethane	0.394	0.387	1.8	103	0.00
67 C	Ethyl Benzene	1.874	1.920	-2.5#	102	0.00
68 T	m/p-Xylenes	0.698	0.722	-3.4	102	0.00
69 T	o-Xylene	0.657	0.683	-4.0	102	0.00
70 T	Styrene	1.131	1.184	-4.7	101	0.00
71 P	Bromoform	0.289	0.284	1.7	100	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73 T	Isopropylbenzene	3.478	3.664	-5.3	102	0.00
74 T	N-amyl acetate	1.297	1.365	-5.2	101	0.00
75 P	1,1,2,2-Tetrachloroethane	0.985	0.966	1.9	98	0.00
76 T	1,2,3-Trichloropropane	0.764	0.764	0.0	98	0.00
77 T	Bromobenzene	0.870	0.873	-0.3	101	0.00
78 T	n-propylbenzene	4.217	4.430	-5.1	103	0.00
79 T	2-Chlorotoluene	2.548	2.602	-2.1	103	0.00
80 T	1,3,5-Trimethylbenzene	2.855	3.034	-6.3	103	0.00
81 T	trans-1,4-Dichloro-2-butene	0.312	0.323	-3.5	101	0.00
82 T	4-Chlorotoluene	2.994	3.126	-4.4	103	0.00
83 T	tert-Butylbenzene	2.884	2.984	-3.5	104	0.00
84 T	1,2,4-Trimethylbenzene	2.842	3.042	-7.0	103	0.00
85 T	sec-Butylbenzene	3.526	3.702	-5.0	105	0.00
86 T	p-Isopropyltoluene	2.972	3.085	-3.8	101	0.00
87 T	1,3-Dichlorobenzene	1.628	1.627	0.1	100	0.00
88 T	1,4-Dichlorobenzene	1.687	1.649	2.3	99	0.00
89 T	n-Butylbenzene	2.768	2.922	-5.6	103	0.00
90 T	Hexachloroethane	0.627	0.595	5.1	98	0.00
91 T	1,2-Dichlorobenzene	1.538	1.526	0.8	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.180	0.177	1.7	108	0.00
93 T	1,2,4-Trichlorobenzene	0.908	0.947	-4.3	104	0.00
94 T	Hexachlorobutadiene	0.350	0.367	-4.9	110	0.00
95 T	Naphthalene	2.393	2.629	-9.9	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048205.D
Acq On : 17 Oct 2025 12:05
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.838	0.889	-6.1	100	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX101725\
 Data File : VX048205.D
 Acq On : 17 Oct 2025 12:05
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX101725

Quant Time: Oct 18 00:11:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 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	108	-0.01
2 T	Dichlorodifluoromethane	50.000	44.902	10.2	98	0.00
3 P	Chloromethane	50.000	44.667	10.7	101	0.00
4 C	Vinyl Chloride	50.000	46.893	6.2#	101	0.00
5 T	Bromomethane	50.000	46.950	6.1	104	0.00
6 T	Chloroethane	50.000	44.992	10.0	103	0.00
7 T	Trichlorofluoromethane	50.000	45.460	9.1	100	0.00
8 T	Diethyl Ether	50.000	44.816	10.4	100	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	46.681	6.6	103	0.00
10 T	Methyl Iodide	50.000	47.285	5.4	97	0.00
11 T	Tert butyl alcohol	250.000	228.526	8.6	104	0.00
12 CM	1,1-Dichloroethene	50.000	47.837	4.3#	105	0.00
13 T	Acrolein	250.000	194.704	22.1	91	0.00
14 T	Allyl chloride	50.000	46.221	7.6	102	0.00
15 T	Acrylonitrile	250.000	237.679	4.9	98	0.00
16 T	Acetone	250.000	219.841	12.1	100	0.00
17 T	Carbon Disulfide	50.000	44.693	10.6	99	0.00
18 T	Methyl Acetate	50.000	44.181	11.6	95	0.00
19 T	Methyl tert-butyl Ether	50.000	47.809	4.4	101	0.00
20 T	Methylene Chloride	50.000	46.010	8.0	100	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.325	7.3	98	0.00
22 T	Diisopropyl ether	50.000	47.419	5.2	101	0.00
23 T	Vinyl Acetate	250.000	243.116	2.8	100	0.00
24 P	1,1-Dichloroethane	50.000	45.685	8.6	101	0.00
25 T	2-Butanone	250.000	234.559	6.2	99	0.00
26 T	2,2-Dichloropropane	50.000	46.100	7.8	104	0.00
27 T	cis-1,2-Dichloroethene	50.000	45.892	8.2	99	0.00
28 T	Bromochloromethane	50.000	50.221	-0.4	103	0.00
29 T	Tetrahydrofuran	250.000	235.860	5.7	99	0.00
30 C	Chloroform	50.000	45.352	9.3#	102	-0.01
31 T	Cyclohexane	50.000	50.544	-1.1	112	0.00
32 T	1,1,1-Trichloroethane	50.000	48.873	2.3	109	0.00
33 S	1,2-Dichloroethane-d4	50.000	42.834	14.3	98	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	52.953	-5.9	113	0.00
36 T	1,1-Dichloropropene	50.000	46.767	6.5	95	0.00
37 T	Ethyl Acetate	50.000	51.026	-2.1	103	0.00
38 T	Carbon Tetrachloride	50.000	46.757	6.5	95	0.00
39 T	Methylcyclohexane	50.000	51.908	-3.8	104	0.00
40 TM	Benzene	50.000	49.346	1.3	100	0.00
41 T	Methacrylonitrile	50.000	53.600	-7.2	103	-0.01
42 TM	1,2-Dichloroethane	50.000	47.540	4.9	95	0.00
43 T	Isopropyl Acetate	50.000	52.082	-4.2	103	0.00
44 TM	Trichloroethene	50.000	48.776	2.4	102	0.00
45 C	1,2-Dichloropropane	50.000	49.205	1.6#	100	0.00
46 T	Dibromomethane	50.000	48.973	2.1	101	0.00
47 T	Bromodichloromethane	50.000	49.041	1.9	101	0.00
48 T	Methyl methacrylate	50.000	51.305	-2.6	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048205.D
 Acq On : 17 Oct 2025 12:05
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX101725

Quant Time: Oct 18 00:11:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 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	1125.868	-12.6	114	0.00
50 S	Toluene-d8	50.000	50.808	-1.6	105	0.00
51 T	4-Methyl-2-Pentanone	250.000	256.250	-2.5	99	0.00
52 CM	Toluene	50.000	51.136	-2.3#	101	0.00
53 T	t-1,3-Dichloropropene	50.000	51.942	-3.9	103	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.786	-3.6	103	0.00
55 T	1,1,2-Trichloroethane	50.000	49.609	0.8	101	0.00
56 T	Ethyl methacrylate	50.000	54.222	-8.4	102	0.00
57 T	1,3-Dichloropropane	50.000	49.659	0.7	100	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	237.458	5.0	105	0.00
59 T	2-Hexanone	250.000	259.657	-3.9	100	0.00
60 T	Dibromochloromethane	50.000	50.202	-0.4	101	0.00
61 T	1,2-Dibromoethane	50.000	49.670	0.7	100	0.00
62 S	4-Bromofluorobenzene	50.000	51.042	-2.1	108	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	48.046	3.9	101	0.00
65 PM	Chlorobenzene	50.000	49.700	0.6	101	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	49.081	1.8	103	0.00
67 C	Ethyl Benzene	50.000	51.209	-2.4#	102	0.00
68 T	m/p-Xylenes	100.000	103.406	-3.4	102	0.00
69 T	o-Xylene	50.000	51.976	-4.0	102	0.00
70 T	Styrene	50.000	52.327	-4.7	101	0.00
71 P	Bromoform	50.000	49.037	1.9	100	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73 T	Isopropylbenzene	50.000	52.678	-5.4	102	0.00
74 T	N-amyl acetate	50.000	52.597	-5.2	101	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.039	1.9	98	0.00
76 T	1,2,3-Trichloropropane	50.000	50.058	-0.1	98	0.00
77 T	Bromobenzene	50.000	50.132	-0.3	101	0.00
78 T	n-propylbenzene	50.000	52.522	-5.0	103	0.00
79 T	2-Chlorotoluene	50.000	51.064	-2.1	103	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.137	-6.3	103	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.831	-3.7	101	0.00
82 T	4-Chlorotoluene	50.000	52.207	-4.4	103	0.00
83 T	tert-Butylbenzene	50.000	51.730	-3.5	104	0.00
84 T	1,2,4-Trimethylbenzene	50.000	53.516	-7.0	103	0.00
85 T	sec-Butylbenzene	50.000	52.495	-5.0	105	0.00
86 T	p-Isopropyltoluene	50.000	51.902	-3.8	101	0.00
87 T	1,3-Dichlorobenzene	50.000	49.985	0.0	100	0.00
88 T	1,4-Dichlorobenzene	50.000	48.878	2.2	99	0.00
89 T	n-Butylbenzene	50.000	52.787	-5.6	103	0.00
90 T	Hexachloroethane	50.000	47.442	5.1	98	0.00
91 T	1,2-Dichlorobenzene	50.000	49.624	0.8	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.127	1.7	108	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.170	-4.3	104	0.00
94 T	Hexachlorobutadiene	50.000	52.452	-4.9	110	0.00
95 T	Naphthalene	50.000	54.943	-9.9	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048205.D
Acq On : 17 Oct 2025 12:05
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX101725

Quant Time: Oct 18 00:11:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.075	-6.2	100	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GARD04</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3362</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/17/2025 09:55</u>
Lab File ID:	<u>VX048201.D</u>	Init. Calib. Date(s):	<u>10/17/2025 10/17/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>08:45 10:36</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.525	0.517		-1.52	
Chloromethane	0.636	0.607		-4.56	
Vinyl Chloride	0.670	0.673		0.45	
Bromomethane	0.445	0.434		-2.47	
Chloroethane	0.426	0.404		-5.16	
Trichlorofluoromethane	1.052	1.030		-2.09	
1,1,2-Trichlorotrifluoroethane	0.593	0.581		-2.02	
1,1-Dichloroethene	0.579	0.569		-1.73	
Acetone	0.264	0.251		-4.92	
Carbon Disulfide	1.783	1.746		-2.13	
Methyl tert-butyl Ether	1.745	1.779		1.95	
Methyl Acetate	0.538	0.542		0.74	
Methylene Chloride	0.644	0.636		-1.24	
trans-1,2-Dichloroethene	0.599	0.614		2.5	
1,1-Dichloroethane	1.158	1.127		-2.68	
Cyclohexane	0.947	0.925		-2.32	
2-Butanone	0.308	0.314		1.95	
Carbon Tetrachloride	0.561	0.575		2.5	
cis-1,2-Dichloroethene	0.711	0.708		-0.42	
Bromochloromethane	0.534	0.563		5.43	
Chloroform	1.219	1.166		-4.35	
1,1,1-Trichloroethane	1.002	0.969		-3.29	
Methylcyclohexane	0.551	0.576		4.54	
Benzene	1.452	1.497		3.1	
1,2-Dichloroethane	0.520	0.546		5	
Trichloroethene	0.366	0.367		0.27	
1,2-Dichloropropane	0.367	0.377		2.72	
Bromodichloromethane	0.571	0.582		1.93	
4-Methyl-2-Pentanone	0.365	0.395		8.22	
Toluene	0.872	0.927		6.31	
t-1,3-Dichloropropene	0.535	0.568		6.17	
cis-1,3-Dichloropropene	0.583	0.617		5.83	
1,1,2-Trichloroethane	0.326	0.335		2.76	
2-Hexanone	0.255	0.277		8.63	
Dibromochloromethane	0.407	0.424		4.18	
1,2-Dibromoethane	0.334	0.346		3.59	
Tetrachloroethene	0.351	0.350		-0.28	
Chlorobenzene	1.093	1.125		2.93	

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



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GARD04</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3362</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/17/2025 09:55</u>
Lab File ID:	<u>VX048201.D</u>	Init. Calib. Date(s):	<u>10/17/2025 10/17/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>08:45 10:36</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.874	1.980		5.66	
m/p-Xylenes	0.698	0.741		6.16	
o-Xylene	0.657	0.701		6.7	
Styrene	1.131	1.233		9.02	
Bromoform	0.289	0.298		3.11	
Isopropylbenzene	3.478	3.696		6.27	
1,1,2,2-Tetrachloroethane	0.985	1.015		3.05	
1,3-Dichlorobenzene	1.628	1.681		3.26	
1,4-Dichlorobenzene	1.687	1.718		1.84	
1,2-Dichlorobenzene	1.538	1.603		4.23	
1,2-Dibromo-3-Chloropropane	0.180	0.168		-6.67	
1,2,4-Trichlorobenzene	0.908	0.937		3.19	
1,2,3-Trichlorobenzene	0.838	0.914		9.07	
1,2-Dichloroethane-d4	0.775	0.732		-5.55	
Dibromofluoromethane	0.347	0.342		-1.44	
Toluene-d8	1.250	1.262		0.96	
4-Bromofluorobenzene	0.455	0.450		-1.1	

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\VX101725\
 Data File : VX048201.D
 Acq On : 17 Oct 2025 09:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	144905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	233738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	208719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	106047	47.240	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.480%		
35) Dibromofluoromethane	5.373	113	79879	49.241	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.480%		
50) Toluene-d8	8.635	98	294942	50.468	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.940%		
62) 4-Bromofluorobenzene	11.061	95	105186	49.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.840%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	74849	49.215	ug/l	100
3) Chloromethane	1.301	50	87915	47.716	ug/l	100
4) Vinyl Chloride	1.380	62	97480	50.210	ug/l	100
5) Bromomethane	1.618	94	62910	49.497	ug/l	100
6) Chloroethane	1.697	64	58491	47.342	ug/l	100
7) Trichlorofluoromethane	1.898	101	149320	49.000	ug/l	100
8) Diethyl Ether	2.136	74	50491	48.574	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	84158	49.008	ug/l	100
10) Methyl Iodide	2.459	142	107865	52.442	ug/l	100
11) Tert butyl alcohol	2.941	59	35192	236.264	ug/l	100
12) 1,1-Dichloroethene	2.325	96	82401	49.074	ug/l	100
13) Acrolein	2.233	56	72337	231.080	ug/l	100
14) Allyl chloride	2.666	41	147166	48.724	ug/l	100
15) Acrylonitrile	3.056	53	185879	260.427	ug/l	100
16) Acetone	2.374	43	181892	237.521	ug/l	100
17) Carbon Disulfide	2.514	76	252931	48.958	ug/l	100
18) Methyl Acetate	2.697	43	78566	50.371	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	257848	50.980	ug/l	100
20) Methylene Chloride	2.788	84	92216	49.431	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	88909	51.182	ug/l	100
22) Diisopropyl ether	3.751	45	298658	50.498	ug/l	100
23) Vinyl Acetate	3.715	43	1154967	261.168	ug/l	100
24) 1,1-Dichloroethane	3.605	63	163290	48.666	ug/l	100
25) 2-Butanone	4.538	43	227696	255.213	ug/l	100
26) 2,2-Dichloropropane	4.465	77	137645	47.994	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	102610	49.771	ug/l	100
28) Bromochloromethane	4.885	49	81597	52.757	ug/l	100
29) Tetrahydrofuran	4.989	42	134302	256.331	ug/l	100
30) Chloroform	5.080	83	168931	47.821	ug/l	100
31) Cyclohexane	5.458	56	134044	48.824	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	140456	48.391	ug/l	100
36) 1,1-Dichloropropene	5.684	75	117638	51.478	ug/l	100
37) Ethyl Acetate	4.696	43	94549	51.771	ug/l	100
38) Carbon Tetrachloride	5.666	117	134481	51.270	ug/l	100
39) Methylcyclohexane	7.367	83	134638	52.254	ug/l	100
40) Benzene	6.025	78	349840	51.556	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048201.D
 Acq On : 17 Oct 2025 09:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	53392	54.588	ug/l	100
42) 1,2-Dichloroethane	6.068	62	127674	52.516	ug/l	100
43) Isopropyl Acetate	6.324	43	162898	53.135	ug/l	100
44) Trichloroethene	7.111	130	85828	50.188	ug/l	100
45) 1,2-Dichloropropane	7.415	63	88167	51.339	ug/l	100
46) Dibromomethane	7.568	93	62671	50.719	ug/l	100
47) Bromodichloromethane	7.806	83	136069	50.951	ug/l	100
48) Methyl methacrylate	7.678	41	83574	53.254	ug/l	100
49) 1,4-Dioxane	7.641	88	14628	1035.490	ug/l	100
51) 4-Methyl-2-Pentanone	8.555	43	461163	270.327	ug/l	100
52) Toluene	8.702	92	216685	53.129	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	132711	53.044	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	144189	52.875	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	78292	51.449	ug/l	100
56) Ethyl methacrylate	9.098	69	115491	55.800	ug/l	100
57) 1,3-Dichloropropane	9.293	76	137565	51.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	301874	237.498	ug/l	100
59) 2-Hexanone	9.415	43	323629	271.214	ug/l	100
60) Dibromochloromethane	9.506	129	99180	52.070	ug/l	100
61) 1,2-Dibromoethane	9.592	107	80814	51.792	ug/l	100
64) Tetrachloroethene	9.256	164	73122	49.965	ug/l	100
65) Chlorobenzene	10.061	112	234754	51.440	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	82328	50.061	ug/l	100
67) Ethyl Benzene	10.177	91	413167	52.808	ug/l	100
68) m/p-Xylenes	10.287	106	309325	106.125	ug/l	100
69) o-Xylene	10.622	106	146328	53.330	ug/l	100
70) Styrene	10.640	104	257332	54.486	ug/l	100
71) Bromoform	10.781	173	62282	51.573	ug/l #	100
73) Isopropylbenzene	10.945	105	383184	53.140	ug/l	100
74) N-amyl acetate	10.823	43	143916	53.500	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	105230	51.513	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	83086m	52.482	ug/l	
77) Bromobenzene	11.177	156	92708	51.377	ug/l	100
78) n-propylbenzene	11.287	91	461479	52.775	ug/l	100
79) 2-Chlorotoluene	11.348	91	269780	51.065	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	314287	53.099	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	34185	52.874	ug/l	100
82) 4-Chlorotoluene	11.433	91	325295	52.395	ug/l	100
83) tert-Butylbenzene	11.695	119	307163	51.367	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	316687	53.732	ug/l	100
85) sec-Butylbenzene	11.872	105	375832	51.411	ug/l	100
86) p-Isopropyltoluene	11.988	119	326853	53.044	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	174303	51.652	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	178082	50.909	ug/l	100
89) n-Butylbenzene	12.311	91	302597	52.723	ug/l	100
90) Hexachloroethane	12.518	117	64788	49.815	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	166224	52.135	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	17468	46.797	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	97102	51.590	ug/l	100
94) Hexachlorobutadiene	13.701	225	35845	49.380	ug/l	100
95) Naphthalene	13.756	128	273763	55.178	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	94728	54.549	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048201.D
Acq On : 17 Oct 2025 09:55
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 17 23:53:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 17 23:49:03 2025
Response via : Initial Calibration

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

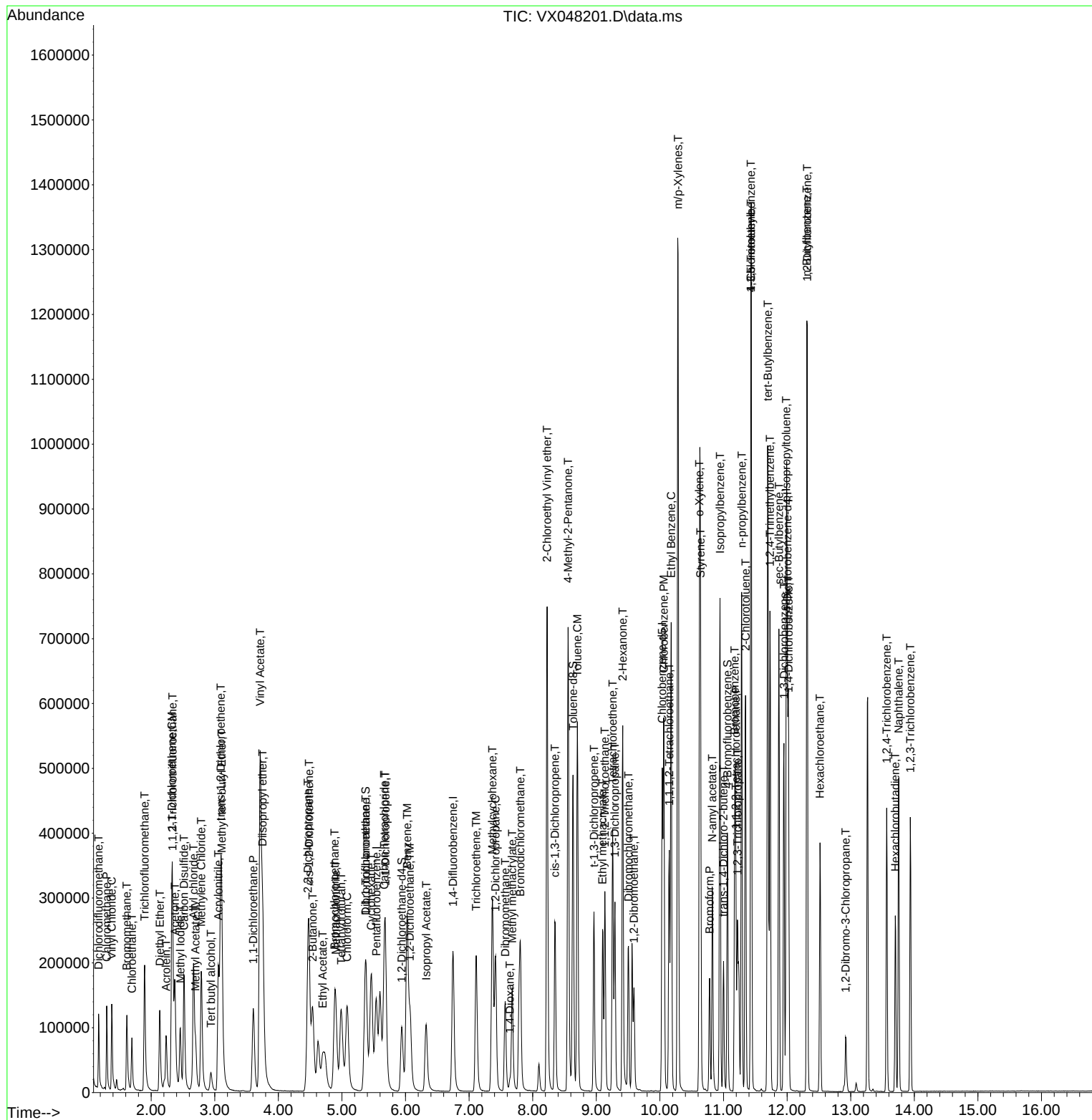
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048201.D
 Acq On : 17 Oct 2025 09:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Oct 17 23:53:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 17 23:49:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
 Supervised By :Mahesh Dadoda 10/20/2025





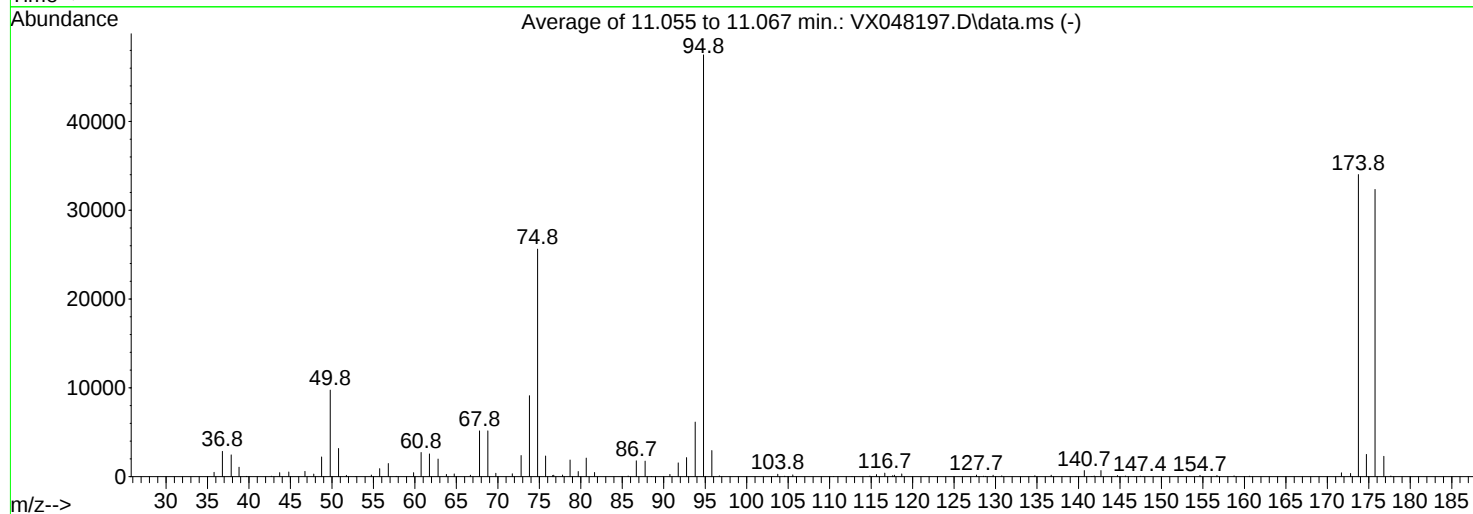
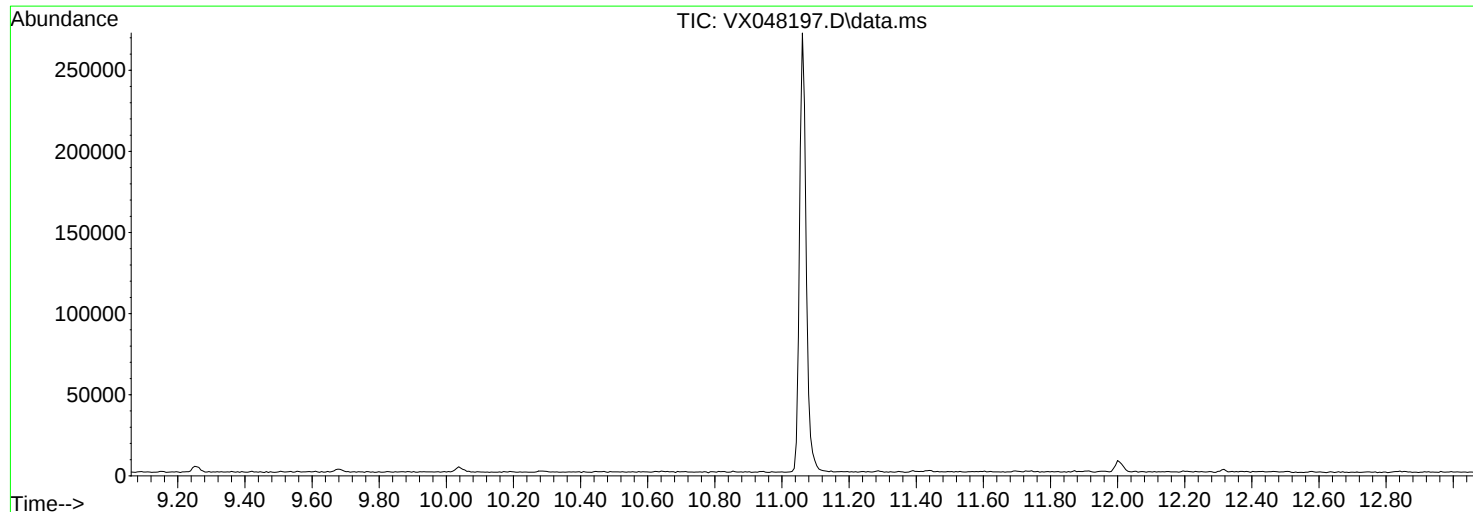
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048197.D
Acq On : 17 Oct 2025 08:17
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\82X101725W.M
Title : SW846 8260
Last Update : Sat Oct 18 00:06:31 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.5	9750	PASS
75	95	30	60	53.9	25621	PASS
95	95	100	100	100.0	47507	PASS
96	95	5	9	6.2	2932	PASS
173	174	0.00	2	1.1	366	PASS
174	95	50	100	71.6	34021	PASS
175	174	5	9	7.4	2512	PASS
176	174	95	101	95.1	32341	PASS
177	176	5	9	7.1	2282	PASS

Report of Analysis

Client: Garden State Laboratories, Inc.
 Project: Waste Water 2025
 Client Sample ID: VX1017WBL01
 Lab Sample ID: VX1017WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level : LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3362
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 13:15	VX101725
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/17/25 13:15	VX101725
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/17/25 13:15	VX101725
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/17/25 13:15	VX101725
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/17/25 13:15	VX101725
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/17/25 13:15	VX101725
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/17/25 13:15	VX101725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 13:15	VX101725
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/17/25 13:15	VX101725
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/17/25 13:15	VX101725
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/17/25 13:15	VX101725
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/17/25 13:15	VX101725
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/17/25 13:15	VX101725
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 13:15	VX101725
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/17/25 13:15	VX101725
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/17/25 13:15	VX101725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/17/25 13:15	VX101725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/17/25 13:15	VX101725
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/17/25 13:15	VX101725
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 13:15	VX101725
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/17/25 13:15	VX101725
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/17/25 13:15	VX101725
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/17/25 13:15	VX101725
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/17/25 13:15	VX101725
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 13:15	VX101725
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/17/25 13:15	VX101725
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/17/25 13:15	VX101725
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 13:15	VX101725
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/17/25 13:15	VX101725
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/17/25 13:15	VX101725
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/17/25 13:15	VX101725
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/17/25 13:15	VX101725
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/17/25 13:15	VX101725
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	10/17/25 13:15	VX101725
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/17/25 13:15	VX101725
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/17/25 13:15	VX101725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 13:15	VX101725
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/17/25 13:15	VX101725
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/17/25 13:15	VX101725
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/17/25 13:15	VX101725
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/17/25 13:15	VX101725
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/17/25 13:15	VX101725
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/17/25 13:15	VX101725



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

Report of Analysis

Client: Garden State Laboratories, Inc.

Project: Waste Water 2025

Client Sample ID: VX1017WBL01

Lab Sample ID: VX1017WBL01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level : LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3362

Matrix: Water

% Solid: 0

Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/17/25 13:15	VX101725
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/17/25 13:15	VX101725
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/17/25 13:15	VX101725
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/17/25 13:15	VX101725
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/17/25 13:15	VX101725
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/17/25 13:15	VX101725
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/17/25 13:15	VX101725
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/17/25 13:15	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.1			74 - 125	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			75 - 124	102%	SPK: 50		
2037-26-5	Toluene-d8	50.0			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.1			77 - 121	118%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	129000							
540-36-3	1,4-Difluorobenzene	259000							
3114-55-4	Chlorobenzene-d5	275000							
3855-82-1	1,4-Dichlorobenzene-d4	139000							

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\VX101725\
 Data File : VX048207.D
 Acq On : 17 Oct 2025 13:15
 Operator : JC/MD
 Sample : VX1017WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBL01

Quant Time: Oct 18 00:16:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	129436	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	259480	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	275267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	138959	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	106468	53.095	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.200%
35) Dibromofluoromethane	5.373	113	92232	51.216	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.440%
50) Toluene-d8	8.635	98	324667	50.043	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.080%
62) 4-Bromofluorobenzene	11.061	95	139678	59.111	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.220%

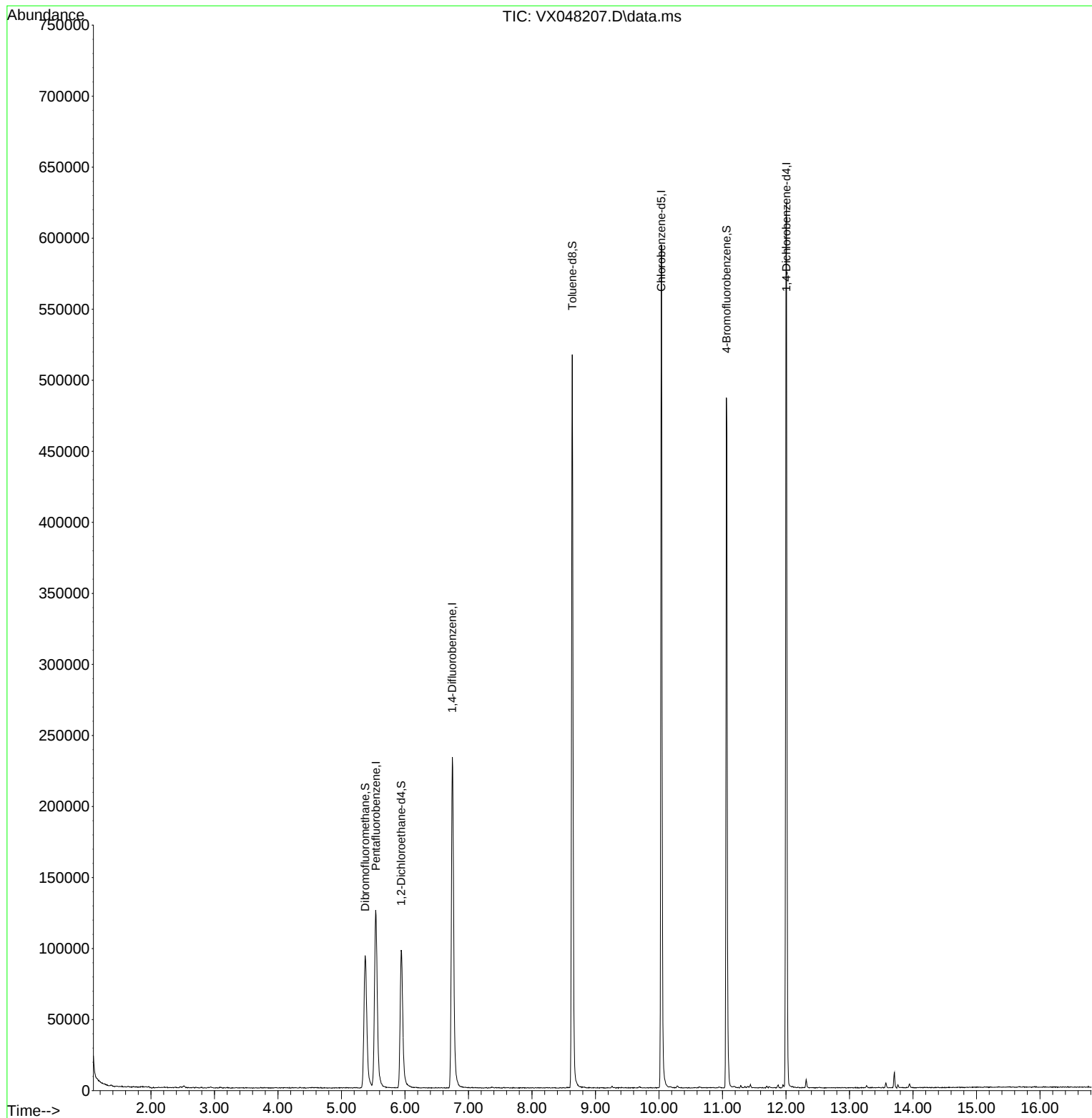
Target Compounds	Qvalue

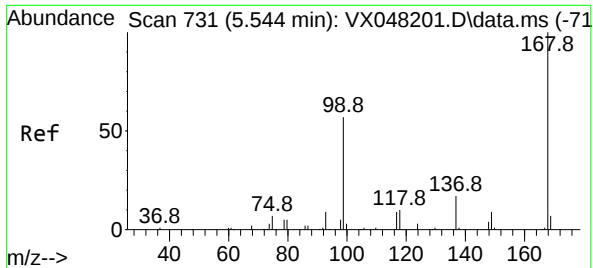
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048207.D
Acq On : 17 Oct 2025 13:15
Operator : JC/MD
Sample : VX1017WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Quant Time: Oct 18 00:16:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

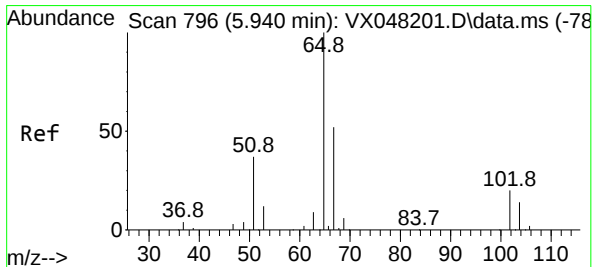
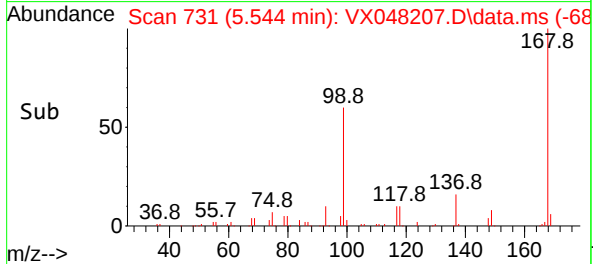
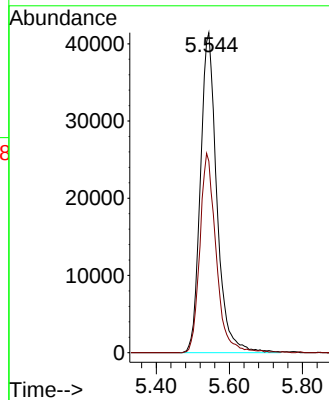
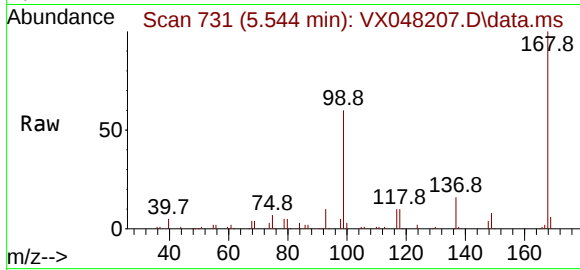




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

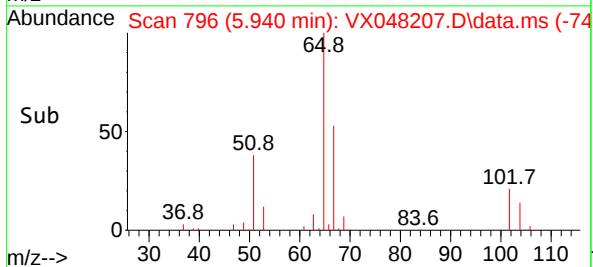
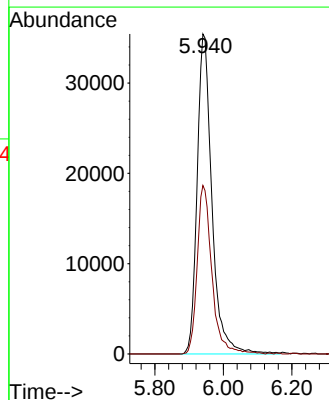
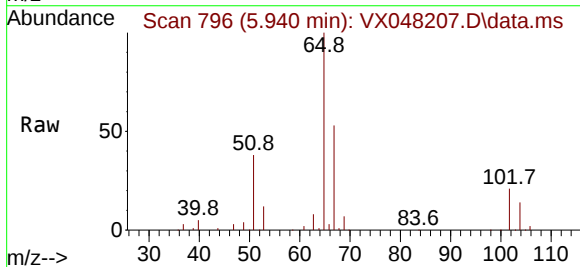
Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

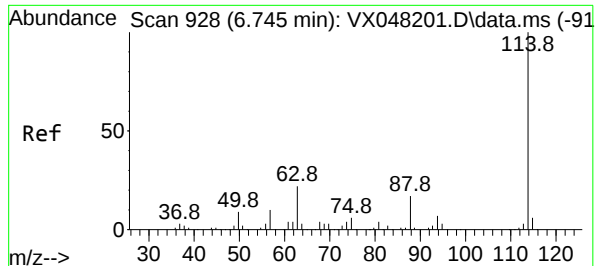
Tgt Ion:168 Resp: 129436
Ion Ratio Lower Upper
168 100
99 59.9 46.4 69.6



#33
1,2-Dichloroethane-d4
Concen: 53.095 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048207.D
Acq: 17 Oct 2025 13:15

Tgt Ion: 65 Resp: 106468
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX048207.D

Acq: 17 Oct 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBL01

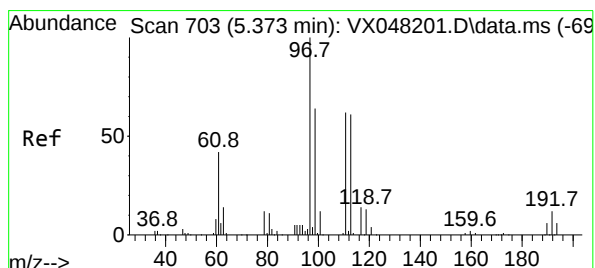
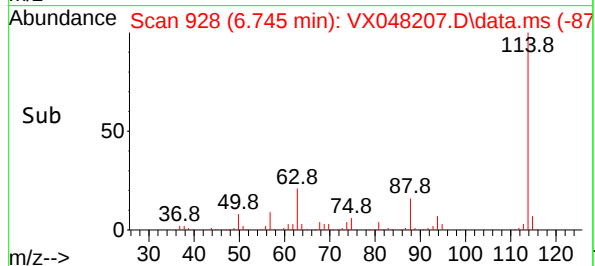
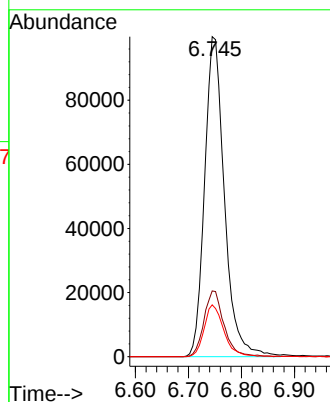
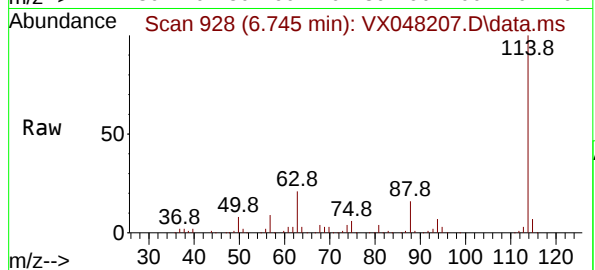
Tgt Ion:114 Resp: 259480

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 16.2 0.0 33.6



#35

Dibromofluoromethane

Concen: 51.216 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX048207.D

Acq: 17 Oct 2025 13:15

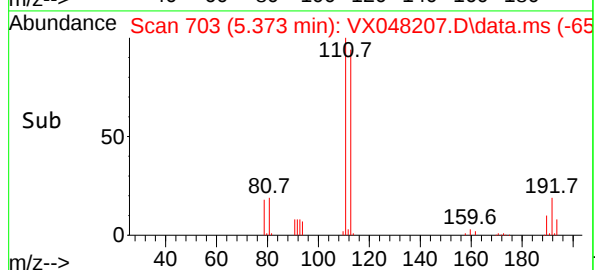
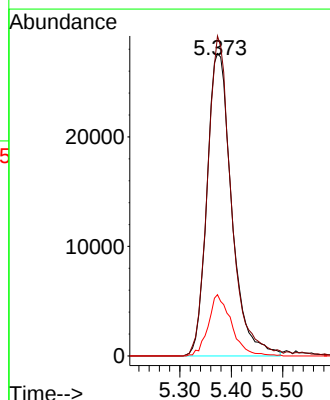
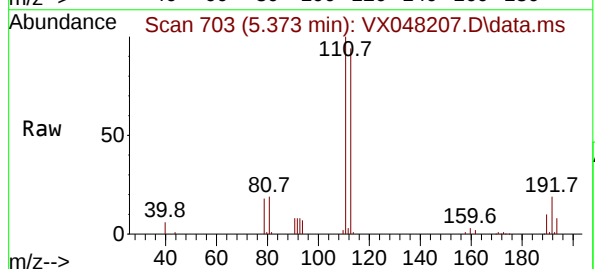
Tgt Ion:113 Resp: 92232

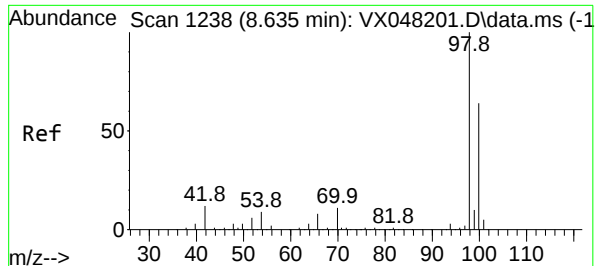
Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

192 19.0 15.1 22.7





#50

Toluene-d8

Concen: 50.043 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VX048207.D

Acq: 17 Oct 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

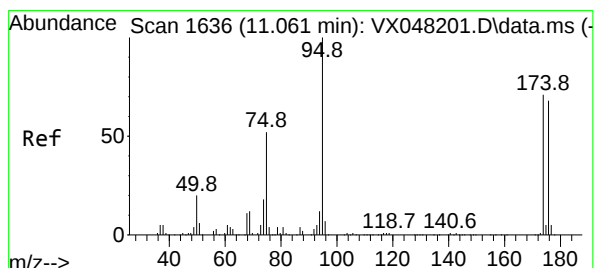
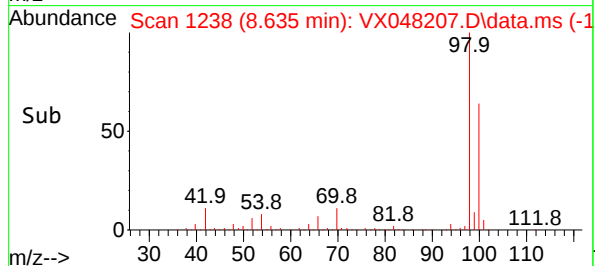
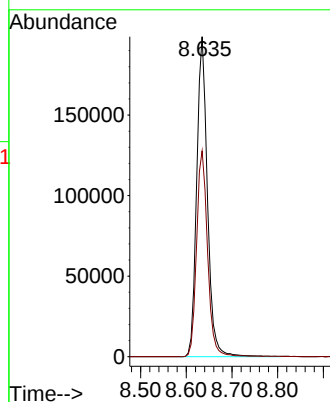
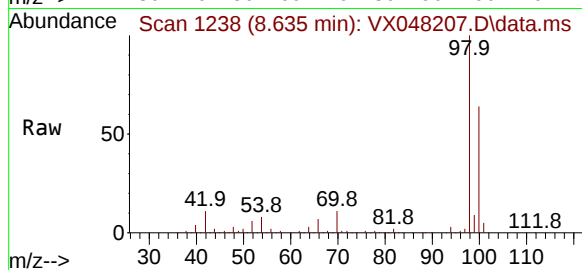
VX1017WBL01

Tgt Ion: 98 Resp: 324667

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 59.111 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048207.D

Acq: 17 Oct 2025 13:15

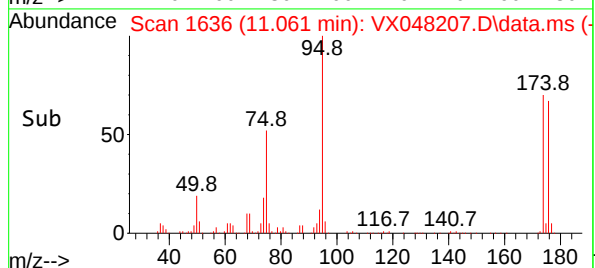
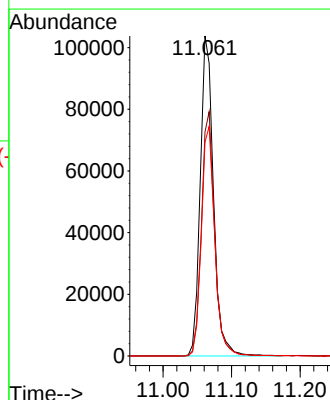
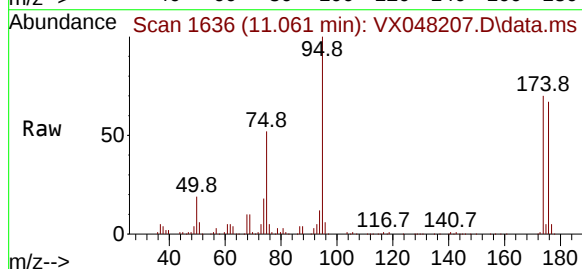
Tgt Ion: 95 Resp: 139678

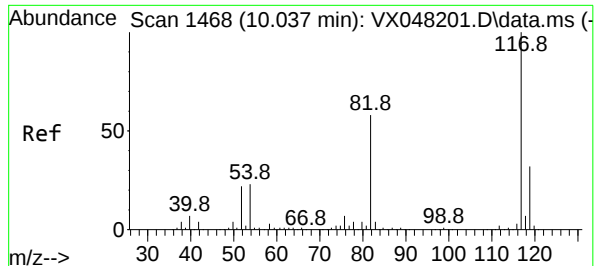
Ion Ratio Lower Upper

95 100

174 75.9 0.0 147.8

176 72.6 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048207.D

Acq: 17 Oct 2025 13:15

Instrument :

MSVOA_X

ClientSampleId :

VX1017WBL01

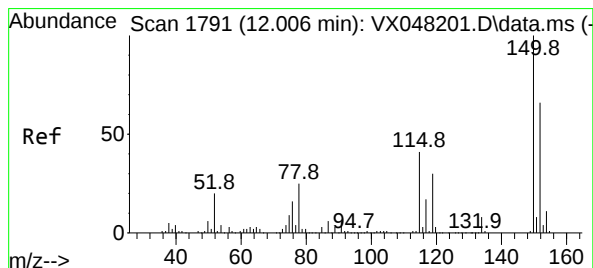
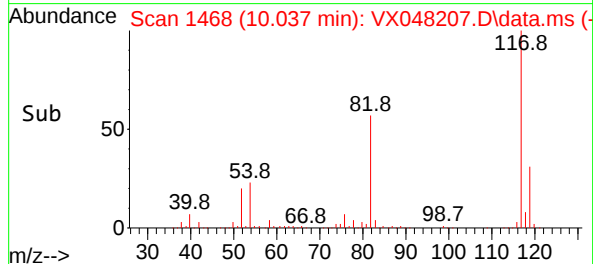
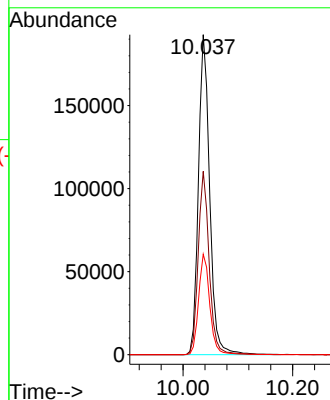
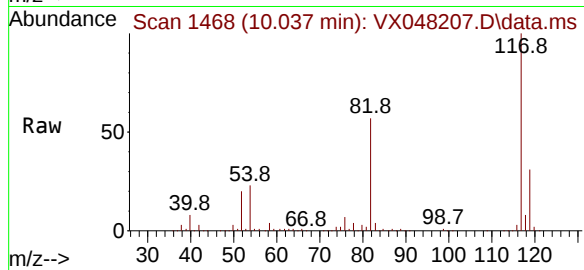
Tgt Ion:117 Resp: 275267

Ion Ratio Lower Upper

117 100

82 57.3 46.5 69.7

119 31.4 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048207.D

Acq: 17 Oct 2025 13:15

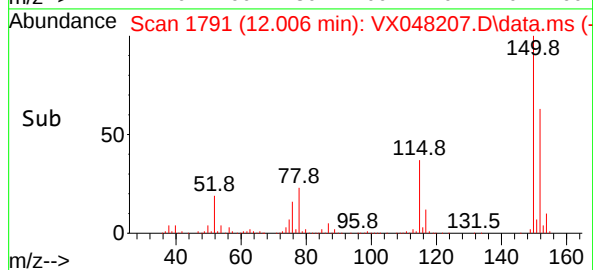
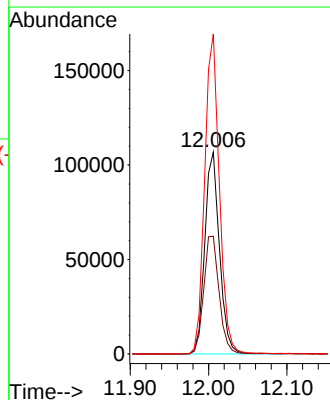
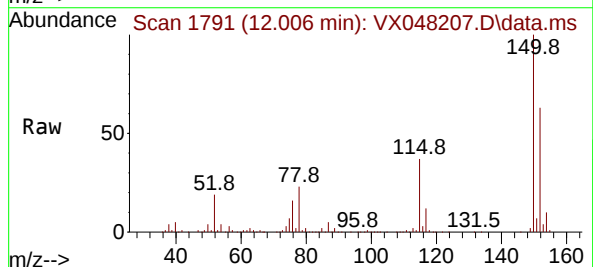
Tgt Ion:152 Resp: 138959

Ion Ratio Lower Upper

152 100

115 61.3 43.1 129.4

150 158.5 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048207.D
Acq On : 17 Oct 2025 13:15
Operator : JC/MD
Sample : VX1017WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M

Title : SW846 8260

Signal : TIC: VX048207.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	691	703	720	rBV4	93204	300740	35.05%	6.277%
2	5.538	720	730	749	rVB2	124222	383469	44.70%	8.004%
3	5.940	787	796	817	rBV	97008	287339	33.49%	5.997%
4	6.745	919	928	949	rBV	232778	603210	70.31%	12.590%
5	8.635	1231	1238	1258	rBV	516039	857930	100.00%	17.906%
6	10.037	1462	1468	1486	rBV	593375	835499	97.39%	17.438%
7	11.061	1631	1636	1651	rBV	485685	662102	77.17%	13.819%
8	12.006	1785	1791	1805	rVB	622441	846775	98.70%	17.673%
9	13.707	2066	2070	2076	rVB3	11019	14154	1.65%	0.295%

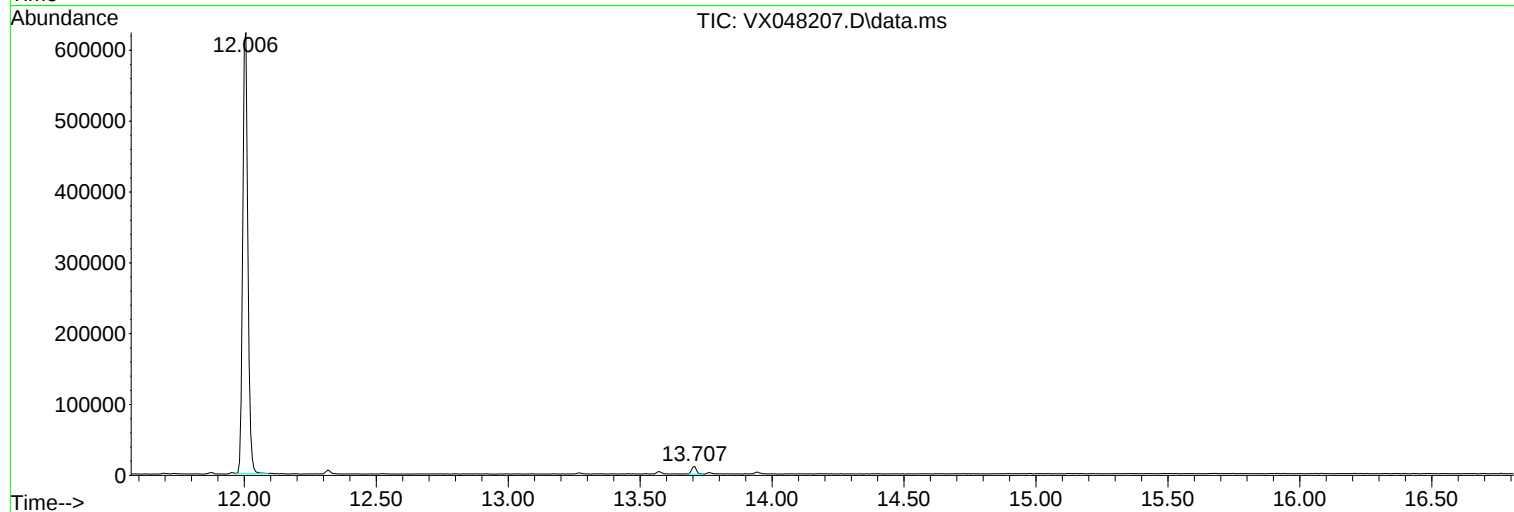
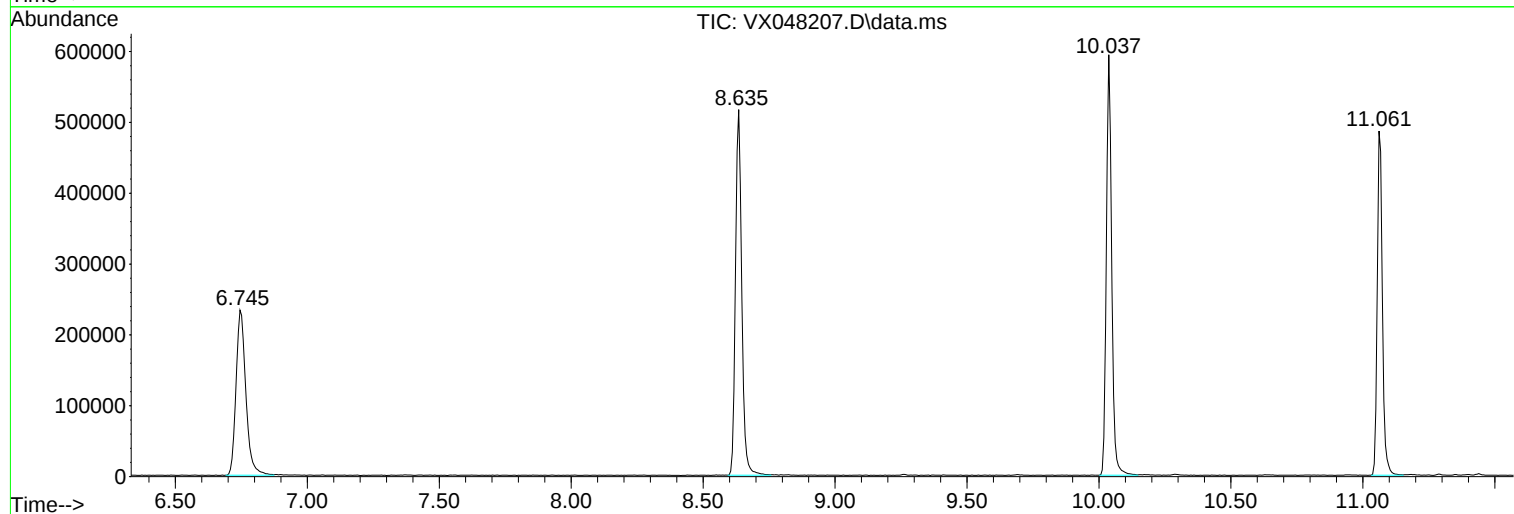
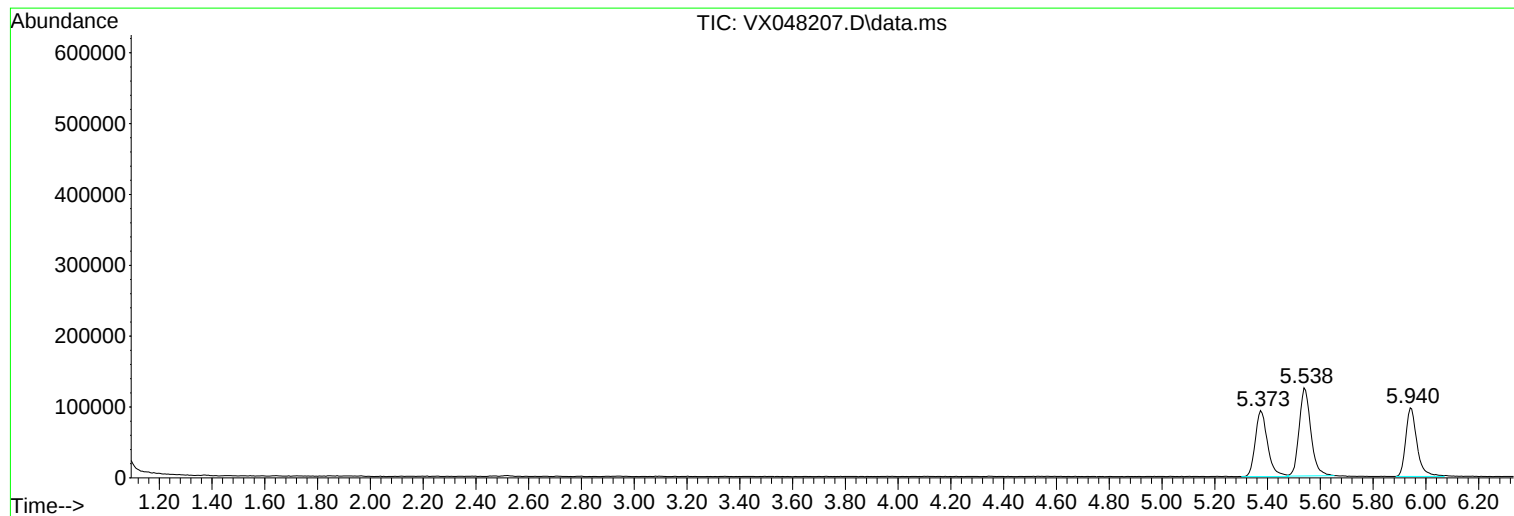
Sum of corrected areas: 4791218

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048207.D
Acq On : 17 Oct 2025 13:15
Operator : JC/MD
Sample : VX1017WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048207.D
Acq On : 17 Oct 2025 13:15
Operator : JC/MD
Sample : VX1017WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.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\VX101725\
Data File : VX048207.D
Acq On : 17 Oct 2025 13:15
Operator : JC/MD
Sample : VX1017WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260

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

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

Report of Analysis

Client: Garden State Laboratories, Inc.

Project: Waste Water 2025

Client Sample ID: VX1017WBS01

Lab Sample ID: VX1017WBS01

Analytical Method: 8260D

Level : LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3362

Matrix: Water

% Solid: 0

Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	18.3		1	0.22	1.00	ug/L	10/17/25 14:03	VX101725
74-87-3	Chloromethane	18.5		1	0.32	1.00	ug/L	10/17/25 14:03	VX101725
75-01-4	Vinyl Chloride	18.7		1	0.26	1.00	ug/L	10/17/25 14:03	VX101725
74-83-9	Bromomethane	19.2		1	1.40	5.00	ug/L	10/17/25 14:03	VX101725
75-00-3	Chloroethane	17.9		1	0.47	1.00	ug/L	10/17/25 14:03	VX101725
75-69-4	Trichlorofluoromethane	17.8		1	0.33	1.00	ug/L	10/17/25 14:03	VX101725
76-13-1	1,1,2-Trichlorotrifluoroethane	19.5		1	0.25	1.00	ug/L	10/17/25 14:03	VX101725
75-35-4	1,1-Dichloroethene	19.1		1	0.23	1.00	ug/L	10/17/25 14:03	VX101725
67-64-1	Acetone	86.1		1	1.50	5.00	ug/L	10/17/25 14:03	VX101725
75-15-0	Carbon Disulfide	18.8		1	0.21	1.00	ug/L	10/17/25 14:03	VX101725
1634-04-4	Methyl tert-butyl Ether	19.2		1	0.16	1.00	ug/L	10/17/25 14:03	VX101725
79-20-9	Methyl Acetate	18.9		1	0.27	1.00	ug/L	10/17/25 14:03	VX101725
75-09-2	Methylene Chloride	18.7		1	0.28	1.00	ug/L	10/17/25 14:03	VX101725
156-60-5	trans-1,2-Dichloroethene	20.1		1	0.23	1.00	ug/L	10/17/25 14:03	VX101725
75-34-3	1,1-Dichloroethane	18.1		1	0.23	1.00	ug/L	10/17/25 14:03	VX101725
110-82-7	Cyclohexane	20.9		1	1.50	5.00	ug/L	10/17/25 14:03	VX101725
78-93-3	2-Butanone	95.3		1	0.98	5.00	ug/L	10/17/25 14:03	VX101725
56-23-5	Carbon Tetrachloride	19.9		1	0.25	1.00	ug/L	10/17/25 14:03	VX101725
156-59-2	cis-1,2-Dichloroethene	18.2		1	0.19	1.00	ug/L	10/17/25 14:03	VX101725
74-97-5	Bromochloromethane	18.9		1	0.22	1.00	ug/L	10/17/25 14:03	VX101725
67-66-3	Chloroform	18.2		1	0.25	1.00	ug/L	10/17/25 14:03	VX101725
71-55-6	1,1,1-Trichloroethane	19.8		1	0.20	1.00	ug/L	10/17/25 14:03	VX101725
108-87-2	Methylcyclohexane	20.5		1	0.16	1.00	ug/L	10/17/25 14:03	VX101725
71-43-2	Benzene	19.5		1	0.15	1.00	ug/L	10/17/25 14:03	VX101725
107-06-2	1,2-Dichloroethane	19.9		1	0.22	1.00	ug/L	10/17/25 14:03	VX101725
79-01-6	Trichloroethene	19.5		1	0.090	1.00	ug/L	10/17/25 14:03	VX101725
78-87-5	1,2-Dichloropropane	19.3		1	0.20	1.00	ug/L	10/17/25 14:03	VX101725
75-27-4	Bromodichloromethane	19.3		1	0.22	1.00	ug/L	10/17/25 14:03	VX101725
108-10-1	4-Methyl-2-Pentanone	110		1	0.68	5.00	ug/L	10/17/25 14:03	VX101725
108-88-3	Toluene	20.1		1	0.14	1.00	ug/L	10/17/25 14:03	VX101725
10061-02-6	t-1,3-Dichloropropene	19.4		1	0.17	1.00	ug/L	10/17/25 14:03	VX101725
10061-01-5	cis-1,3-Dichloropropene	19.5		1	0.16	1.00	ug/L	10/17/25 14:03	VX101725
79-00-5	1,1,2-Trichloroethane	20.6		1	0.21	1.00	ug/L	10/17/25 14:03	VX101725
591-78-6	2-Hexanone	100		1	0.89	5.00	ug/L	10/17/25 14:03	VX101725
124-48-1	Dibromochloromethane	20.5		1	0.18	1.00	ug/L	10/17/25 14:03	VX101725
106-93-4	1,2-Dibromoethane	20.9		1	0.15	1.00	ug/L	10/17/25 14:03	VX101725
127-18-4	Tetrachloroethene	18.9		1	0.23	1.00	ug/L	10/17/25 14:03	VX101725
108-90-7	Chlorobenzene	19.3		1	0.12	1.00	ug/L	10/17/25 14:03	VX101725
100-41-4	Ethyl Benzene	19.4		1	0.13	1.00	ug/L	10/17/25 14:03	VX101725
179601-23-1	m/p-Xylenes	39.5		1	0.24	2.00	ug/L	10/17/25 14:03	VX101725
95-47-6	o-Xylene	19.9		1	0.12	1.00	ug/L	10/17/25 14:03	VX101725
100-42-5	Styrene	20.0		1	0.15	1.00	ug/L	10/17/25 14:03	VX101725
75-25-2	Bromoform	19.0		1	0.19	1.00	ug/L	10/17/25 14:03	VX101725



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

Report of Analysis

Client: Garden State Laboratories, Inc.

Project: Waste Water 2025

Client Sample ID: VX1017WBS01

Lab Sample ID: VX1017WBS01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level : LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3362

Matrix: Water

% Solid: 0

Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.8		1	0.12	1.00	ug/L	10/17/25 14:03	VX101725
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1	0.26	1.00	ug/L	10/17/25 14:03	VX101725
541-73-1	1,3-Dichlorobenzene	19.0		1	0.16	1.00	ug/L	10/17/25 14:03	VX101725
106-46-7	1,4-Dichlorobenzene	18.8		1	0.19	1.00	ug/L	10/17/25 14:03	VX101725
95-50-1	1,2-Dichlorobenzene	18.9		1	0.16	1.00	ug/L	10/17/25 14:03	VX101725
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1	0.53	1.00	ug/L	10/17/25 14:03	VX101725
120-82-1	1,2,4-Trichlorobenzene	19.1		1	0.20	1.00	ug/L	10/17/25 14:03	VX101725
87-61-6	1,2,3-Trichlorobenzene	19.4		1	0.20	1.00	ug/L	10/17/25 14:03	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	43.7			74 - 125	87%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			75 - 124	102%	SPK: 50		
2037-26-5	Toluene-d8	48.1			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.9			77 - 121	96%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	157000							
540-36-3	1,4-Difluorobenzene	249000							
3114-55-4	Chlorobenzene-d5	238000							
3855-82-1	1,4-Dichlorobenzene-d4	113000							

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\VX101725\
 Data File : VX048209.D
 Acq On : 17 Oct 2025 14:03
 Operator : JC/MD
 Sample : VX1017WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:17:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	157010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	248908	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	238012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	112861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	106326	43.712	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.420%		
35) Dibromofluoromethane	5.373	113	88411	51.179	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.360%		
50) Toluene-d8	8.635	98	299387	48.107	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.220%		
62) 4-Bromofluorobenzene	11.061	95	108470	47.853	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	30110	18.272	ug/l	95
3) Chloromethane	1.301	50	36990	18.528	ug/l	100
4) Vinyl Chloride	1.380	62	39303	18.683	ug/l	97
5) Bromomethane	1.618	94	26832	19.181	ug/l	85
6) Chloroethane	1.697	64	24006	17.932	ug/l	96
7) Trichlorofluoromethane	1.898	101	58645	17.761	ug/l	99
8) Diethyl Ether	2.136	74	18866	16.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	36206	19.458	ug/l	97
10) Methyl Iodide	2.459	142	37969	17.036	ug/l	98
11) Tert butyl alcohol	2.941	59	16068	99.557	ug/l	100
12) 1,1-Dichloroethene	2.325	96	34747	19.098	ug/l	97
13) Acrolein	2.240	56	33337	98.285	ug/l	97
14) Allyl chloride	2.666	41	59307	18.122	ug/l	97
15) Acrylonitrile	3.056	53	79131	102.319	ug/l	99
16) Acetone	2.374	43	71466	86.128	ug/l	92
17) Carbon Disulfide	2.514	76	105072	18.770	ug/l	98
18) Methyl Acetate	2.703	43	31977	18.921	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	105416	19.235	ug/l	99
20) Methylene Chloride	2.788	84	37881	18.740	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	37759	20.061	ug/l	96
22) Diisopropyl ether	3.751	45	119467	18.642	ug/l	98
23) Vinyl Acetate	3.715	43	452806	94.497	ug/l	100
24) 1,1-Dichloroethane	3.605	63	65904	18.127	ug/l	99
25) 2-Butanone	4.538	43	92133	95.306	ug/l	96
26) 2,2-Dichloropropane	4.465	77	54738	17.615	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	40699	18.219	ug/l	99
28) Bromochloromethane	4.885	49	31672	18.899	ug/l	99
29) Tetrahydrofuran	4.989	42	56880	100.192	ug/l	99
30) Chloroform	5.080	83	69488	18.154	ug/l	98
31) Cyclohexane	5.465	56	62035	20.853	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	62355	19.827	ug/l	98
36) 1,1-Dichloropropene	5.684	75	48361	19.873	ug/l	97
37) Ethyl Acetate	4.702	43	37880	19.477	ug/l	98
38) Carbon Tetrachloride	5.666	117	55723	19.949	ug/l	95
39) Methylcyclohexane	7.367	83	56194	20.480	ug/l	97
40) Benzene	6.032	78	140774	19.481	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048209.D
 Acq On : 17 Oct 2025 14:03
 Operator : JC/MD
 Sample : VX1017WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:17:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	21229	20.382	ug/l	99
42) 1,2-Dichloroethane	6.080	62	51600	19.931	ug/l	100
43) Isopropyl Acetate	6.324	43	65065	19.930	ug/l	99
44) Trichloroethene	7.111	130	35571	19.532	ug/l	96
45) 1,2-Dichloropropane	7.415	63	35357	19.333	ug/l	98
46) Dibromomethane	7.568	93	25130	19.098	ug/l	99
47) Bromodichloromethane	7.806	83	54902	19.305	ug/l	97
48) Methyl methacrylate	7.678	41	32876	19.672	ug/l	99
49) 1,4-Dioxane	7.647	88	6796	451.757	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	191122	105.205	ug/l	99
52) Toluene	8.702	92	87476	20.141	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	51564	19.354	ug/l	98
54) cis-1,3-Dichloropropene	8.354	75	56663	19.512	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	33335	20.571	ug/l	98
56) Ethyl methacrylate	9.104	69	47159	21.397	ug/l	99
57) 1,3-Dichloropropane	9.293	76	57528	20.319	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	136897	109.367	ug/l	99
59) 2-Hexanone	9.415	43	129529	101.935	ug/l	98
60) Dibromochloromethane	9.506	129	41679	20.548	ug/l	99
61) 1,2-Dibromoethane	9.592	107	34752	20.914	ug/l	98
64) Tetrachloroethene	9.257	164	31547	18.903	ug/l	97
65) Chlorobenzene	10.061	112	100187	19.252	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	35260	18.802	ug/l	99
67) Ethyl Benzene	10.177	91	172737	19.361	ug/l	99
68) m/p-Xylenes	10.287	106	131393	39.531	ug/l	100
69) o-Xylene	10.622	106	62181	19.873	ug/l	97
70) Styrene	10.640	104	107727	20.002	ug/l	100
71) Bromoform	10.781	173	26139	18.981	ug/l #	98
73) Isopropylbenzene	10.945	105	155506	19.810	ug/l	99
74) N-amyl acetate	10.823	43	58589	20.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	42974	19.324	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	33224m	19.278	ug/l	
77) Bromobenzene	11.177	156	36894	18.781	ug/l	98
78) n-propylbenzene	11.287	91	188796	19.833	ug/l	99
79) 2-Chlorotoluene	11.348	91	111935	19.463	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	128993	20.019	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	12898	18.325	ug/l	95
82) 4-Chlorotoluene	11.433	91	132212	19.562	ug/l	99
83) tert-Butylbenzene	11.695	119	129716	19.927	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	129055	20.114	ug/l	99
85) sec-Butylbenzene	11.872	105	162650	20.438	ug/l	99
86) p-Isopropyltoluene	11.994	119	136589	20.362	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	69779	18.994	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	71568	18.794	ug/l	98
89) n-Butylbenzene	12.317	91	124016	19.849	ug/l	100
90) Hexachloroethane	12.518	117	26380	18.632	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	65429	18.851	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	7737	19.040	ug/l	95
93) 1,2,4-Trichlorobenzene	13.567	180	39156	19.110	ug/l	99
94) Hexachlorobutadiene	13.707	225	16336	20.672	ug/l	97
95) Naphthalene	13.756	128	105740	19.577	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	36752	19.441	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048209.D
Acq On : 17 Oct 2025 14:03
Operator : JC/MD
Sample : VX1017WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:17:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

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

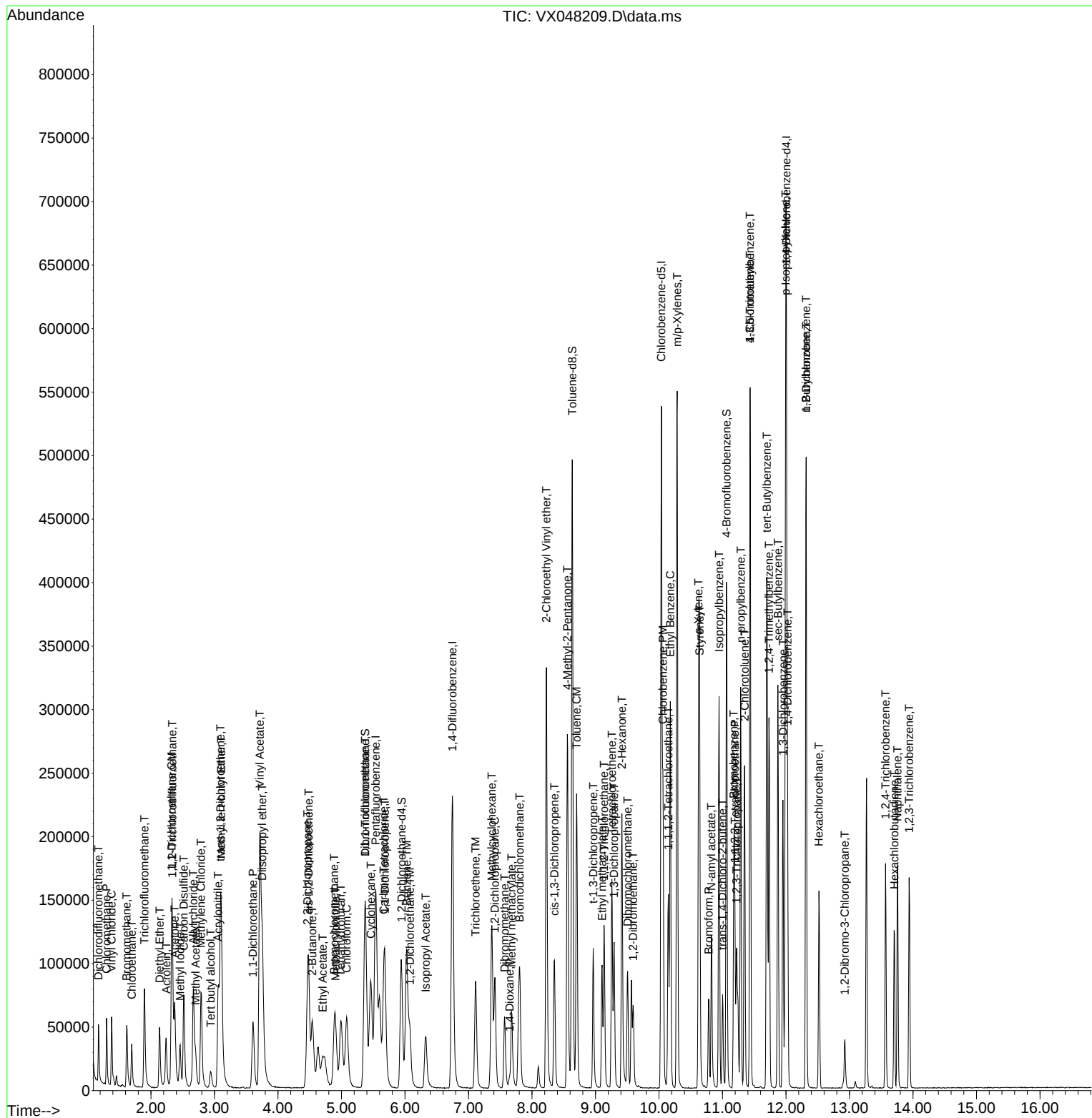
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\  
Data File : VX048209.D  
Acq On    : 17 Oct 2025  14:03  
Operator  : JC/MD  
Sample    : VX1017WBS01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 13   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:17:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration



Report of Analysis

Client: Garden State Laboratories, Inc.

Project: Waste Water 2025

Client Sample ID: VX1017WBSD01

Lab Sample ID: VX1017WBSD01

Analytical Method: 8260D

Level : LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3362

Matrix: Water

% Solid: 0

Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	17.5		1	0.22	1.00	ug/L	10/17/25 14:30	VX101725
74-87-3	Chloromethane	17.5		1	0.32	1.00	ug/L	10/17/25 14:30	VX101725
75-01-4	Vinyl Chloride	18.5		1	0.26	1.00	ug/L	10/17/25 14:30	VX101725
74-83-9	Bromomethane	18.5		1	1.40	5.00	ug/L	10/17/25 14:30	VX101725
75-00-3	Chloroethane	17.3		1	0.47	1.00	ug/L	10/17/25 14:30	VX101725
75-69-4	Trichlorofluoromethane	17.8		1	0.33	1.00	ug/L	10/17/25 14:30	VX101725
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		1	0.25	1.00	ug/L	10/17/25 14:30	VX101725
75-35-4	1,1-Dichloroethene	18.5		1	0.23	1.00	ug/L	10/17/25 14:30	VX101725
67-64-1	Acetone	83.7		1	1.50	5.00	ug/L	10/17/25 14:30	VX101725
75-15-0	Carbon Disulfide	18.5		1	0.21	1.00	ug/L	10/17/25 14:30	VX101725
1634-04-4	Methyl tert-butyl Ether	18.8		1	0.16	1.00	ug/L	10/17/25 14:30	VX101725
79-20-9	Methyl Acetate	19.6		1	0.27	1.00	ug/L	10/17/25 14:30	VX101725
75-09-2	Methylene Chloride	18.3		1	0.28	1.00	ug/L	10/17/25 14:30	VX101725
156-60-5	trans-1,2-Dichloroethene	18.4		1	0.23	1.00	ug/L	10/17/25 14:30	VX101725
75-34-3	1,1-Dichloroethane	17.7		1	0.23	1.00	ug/L	10/17/25 14:30	VX101725
110-82-7	Cyclohexane	20.3		1	1.50	5.00	ug/L	10/17/25 14:30	VX101725
78-93-3	2-Butanone	96.7		1	0.98	5.00	ug/L	10/17/25 14:30	VX101725
56-23-5	Carbon Tetrachloride	19.7		1	0.25	1.00	ug/L	10/17/25 14:30	VX101725
156-59-2	cis-1,2-Dichloroethene	18.2		1	0.19	1.00	ug/L	10/17/25 14:30	VX101725
74-97-5	Bromochloromethane	18.8		1	0.22	1.00	ug/L	10/17/25 14:30	VX101725
67-66-3	Chloroform	18.5		1	0.25	1.00	ug/L	10/17/25 14:30	VX101725
71-55-6	1,1,1-Trichloroethane	19.2		1	0.20	1.00	ug/L	10/17/25 14:30	VX101725
108-87-2	Methylcyclohexane	19.9		1	0.16	1.00	ug/L	10/17/25 14:30	VX101725
71-43-2	Benzene	19.2		1	0.15	1.00	ug/L	10/17/25 14:30	VX101725
107-06-2	1,2-Dichloroethane	20.5		1	0.22	1.00	ug/L	10/17/25 14:30	VX101725
79-01-6	Trichloroethene	18.5		1	0.090	1.00	ug/L	10/17/25 14:30	VX101725
78-87-5	1,2-Dichloropropane	19.7		1	0.20	1.00	ug/L	10/17/25 14:30	VX101725
75-27-4	Bromodichloromethane	19.5		1	0.22	1.00	ug/L	10/17/25 14:30	VX101725
108-10-1	4-Methyl-2-Pentanone	110		1	0.68	5.00	ug/L	10/17/25 14:30	VX101725
108-88-3	Toluene	20.0		1	0.14	1.00	ug/L	10/17/25 14:30	VX101725
10061-02-6	t-1,3-Dichloropropene	20.5		1	0.17	1.00	ug/L	10/17/25 14:30	VX101725
10061-01-5	cis-1,3-Dichloropropene	19.8		1	0.16	1.00	ug/L	10/17/25 14:30	VX101725
79-00-5	1,1,2-Trichloroethane	20.5		1	0.21	1.00	ug/L	10/17/25 14:30	VX101725
591-78-6	2-Hexanone	110		1	0.89	5.00	ug/L	10/17/25 14:30	VX101725
124-48-1	Dibromochloromethane	21.2		1	0.18	1.00	ug/L	10/17/25 14:30	VX101725
106-93-4	1,2-Dibromoethane	21.1		1	0.15	1.00	ug/L	10/17/25 14:30	VX101725
127-18-4	Tetrachloroethene	18.9		1	0.23	1.00	ug/L	10/17/25 14:30	VX101725
108-90-7	Chlorobenzene	19.3		1	0.12	1.00	ug/L	10/17/25 14:30	VX101725
100-41-4	Ethyl Benzene	18.2		1	0.13	1.00	ug/L	10/17/25 14:30	VX101725
179601-23-1	m/p-Xylenes	37.2		1	0.24	2.00	ug/L	10/17/25 14:30	VX101725
95-47-6	o-Xylene	18.5		1	0.12	1.00	ug/L	10/17/25 14:30	VX101725
100-42-5	Styrene	19.0		1	0.15	1.00	ug/L	10/17/25 14:30	VX101725
75-25-2	Bromoform	18.8		1	0.19	1.00	ug/L	10/17/25 14:30	VX101725

Report of Analysis

Client: Garden State Laboratories, Inc.

Project: Waste Water 2025

Client Sample ID: VX1017WBSD01

Lab Sample ID: VX1017WBSD01

Analytical Method: 8260D

Sample Wt/Vol: 5 mL

Level : LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3362

Matrix: Water

% Solid: 0

Test: VOCMS Group2

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.9		1	0.12	1.00	ug/L	10/17/25 14:30	VX101725
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1	0.26	1.00	ug/L	10/17/25 14:30	VX101725
541-73-1	1,3-Dichlorobenzene	19.4		1	0.16	1.00	ug/L	10/17/25 14:30	VX101725
106-46-7	1,4-Dichlorobenzene	18.9		1	0.19	1.00	ug/L	10/17/25 14:30	VX101725
95-50-1	1,2-Dichlorobenzene	19.3		1	0.16	1.00	ug/L	10/17/25 14:30	VX101725
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		1	0.53	1.00	ug/L	10/17/25 14:30	VX101725
120-82-1	1,2,4-Trichlorobenzene	19.3		1	0.20	1.00	ug/L	10/17/25 14:30	VX101725
87-61-6	1,2,3-Trichlorobenzene	20.5		1	0.20	1.00	ug/L	10/17/25 14:30	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	45.5			74 - 125	91%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.6			75 - 124	101%	SPK: 50		
2037-26-5	Toluene-d8	47.7			86 - 113	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			77 - 121	97%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	149000							
540-36-3	1,4-Difluorobenzene	237000							
3114-55-4	Chlorobenzene-d5	229000							
3855-82-1	1,4-Dichlorobenzene-d4	106000							

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\VX101725\
 Data File : VX048210.D
 Acq On : 17 Oct 2025 14:30
 Operator : JC/MD
 Sample : VX1017WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:18:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	149269	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	237242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	228640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	106057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	105155	45.473	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.940%		
35) Dibromofluoromethane	5.367	113	83356	50.626	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.260%		
50) Toluene-d8	8.628	98	282984	47.707	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.420%		
62) 4-Bromofluorobenzene	11.061	95	104268	48.261	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.520%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	27419	17.501	ug/l	100
3) Chloromethane	1.300	50	33301	17.546	ug/l	99
4) Vinyl Chloride	1.380	62	37066	18.534	ug/l	100
5) Bromomethane	1.617	94	24571	18.475	ug/l	98
6) Chloroethane	1.697	64	22000	17.286	ug/l	91
7) Trichlorofluoromethane	1.898	101	55934	17.818	ug/l	99
8) Diethyl Ether	2.136	74	19457	18.171	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	33120	18.723	ug/l	99
10) Methyl Iodide	2.453	142	37322	17.615	ug/l	100
11) Tert butyl alcohol	2.934	59	15388	100.288	ug/l	98
12) 1,1-Dichloroethene	2.325	96	31941	18.466	ug/l	89
13) Acrolein	2.233	56	33813	104.858	ug/l	99
14) Allyl chloride	2.666	41	55279	17.767	ug/l	99
15) Acrylonitrile	3.056	53	71563	97.332	ug/l	99
16) Acetone	2.373	43	66028	83.701	ug/l	99
17) Carbon Disulfide	2.514	76	98316	18.474	ug/l	100
18) Methyl Acetate	2.697	43	31501	19.606	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	98011	18.811	ug/l	100
20) Methylene Chloride	2.788	84	35112	18.271	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	32974	18.427	ug/l	98
22) Diisopropyl ether	3.745	45	116053	19.049	ug/l	96
23) Vinyl Acetate	3.709	43	441108	96.830	ug/l	100
24) 1,1-Dichloroethane	3.605	63	61245	17.719	ug/l	100
25) 2-Butanone	4.538	43	88866	96.693	ug/l	100
26) 2,2-Dichloropropane	4.465	77	51376	17.390	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	38653	18.201	ug/l	99
28) Bromochloromethane	4.879	49	29911	18.774	ug/l #	15
29) Tetrahydrofuran	4.983	42	54944	101.801	ug/l	99
30) Chloroform	5.074	83	67254	18.482	ug/l	96
31) Cyclohexane	5.452	56	57369	20.285	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	57409	19.201	ug/l	100
36) 1,1-Dichloropropene	5.678	75	45818	19.754	ug/l	97
37) Ethyl Acetate	4.690	43	37917	20.455	ug/l	99
38) Carbon Tetrachloride	5.659	117	52524	19.729	ug/l	99
39) Methylcyclohexane	7.360	83	52148	19.940	ug/l	97
40) Benzene	6.019	78	132231	19.199	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048210.D
 Acq On : 17 Oct 2025 14:30
 Operator : JC/MD
 Sample : VX1017WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1017WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:18:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	21715	21.873	ug/l	96
42) 1,2-Dichloroethane	6.068	62	50652	20.527	ug/l	98
43) Isopropyl Acetate	6.318	43	64759	20.812	ug/l	99
44) Trichloroethene	7.104	130	32186	18.543	ug/l	99
45) 1,2-Dichloropropane	7.409	63	34358	19.711	ug/l	98
46) Dibromomethane	7.562	93	24436	19.484	ug/l	99
47) Bromodichloromethane	7.805	83	52721	19.450	ug/l	99
48) Methyl methacrylate	7.677	41	32241	20.241	ug/l	100
49) 1,4-Dioxane	7.647	88	6498	453.188	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	185611	107.196	ug/l	98
52) Toluene	8.702	92	82783	19.998	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	52023	20.486	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	54705	19.764	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	31705	20.527	ug/l	96
56) Ethyl methacrylate	9.098	69	44811	21.331	ug/l	98
57) 1,3-Dichloropropane	9.293	76	56487	20.932	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	133937	111.884	ug/l	99
59) 2-Hexanone	9.415	43	128963	106.480	ug/l	99
60) Dibromochloromethane	9.500	129	40963	21.188	ug/l	100
61) 1,2-Dibromoethane	9.592	107	33432	21.109	ug/l	100
64) Tetrachloroethene	9.256	164	30309	18.906	ug/l	97
65) Chlorobenzene	10.061	112	96601	19.323	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.146	131	31861	17.686	ug/l	97
67) Ethyl Benzene	10.177	91	156142	18.218	ug/l	99
68) m/p-Xylenes	10.281	106	118677	37.169	ug/l	99
69) o-Xylene	10.622	106	55469	18.455	ug/l	100
70) Styrene	10.640	104	98423	19.024	ug/l	100
71) Bromoform	10.780	173	24901	18.823	ug/l #	100
73) Isopropylbenzene	10.945	105	146767	19.896	ug/l	100
74) N-amyl acetate	10.823	43	55631	20.216	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	41929	20.064	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	32967m	20.356	ug/l	
77) Bromobenzene	11.177	156	36037	19.522	ug/l	99
78) n-propylbenzene	11.286	91	177578	19.851	ug/l	100
79) 2-Chlorotoluene	11.347	91	106673	19.738	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	121961	20.142	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	12534	18.951	ug/l	97
82) 4-Chlorotoluene	11.433	91	126552	19.926	ug/l	99
83) tert-Butylbenzene	11.695	119	122893	20.090	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	122765	20.361	ug/l	98
85) sec-Butylbenzene	11.872	105	151659	20.279	ug/l	98
86) p-Isopropyltoluene	11.988	119	125345	19.884	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	67127	19.445	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	67580	18.885	ug/l	96
89) n-Butylbenzene	12.311	91	116756	19.886	ug/l	99
90) Hexachloroethane	12.518	117	24619	18.504	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	63040	19.328	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	7742	20.275	ug/l	89
93) 1,2,4-Trichlorobenzene	13.567	180	37185	19.312	ug/l	99
94) Hexachlorobutadiene	13.707	225	15714	21.161	ug/l	96
95) Naphthalene	13.756	128	103923	20.475	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	36419	20.500	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048210.D
Acq On : 17 Oct 2025 14:30
Operator : JC/MD
Sample : VX1017WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:18:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration

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

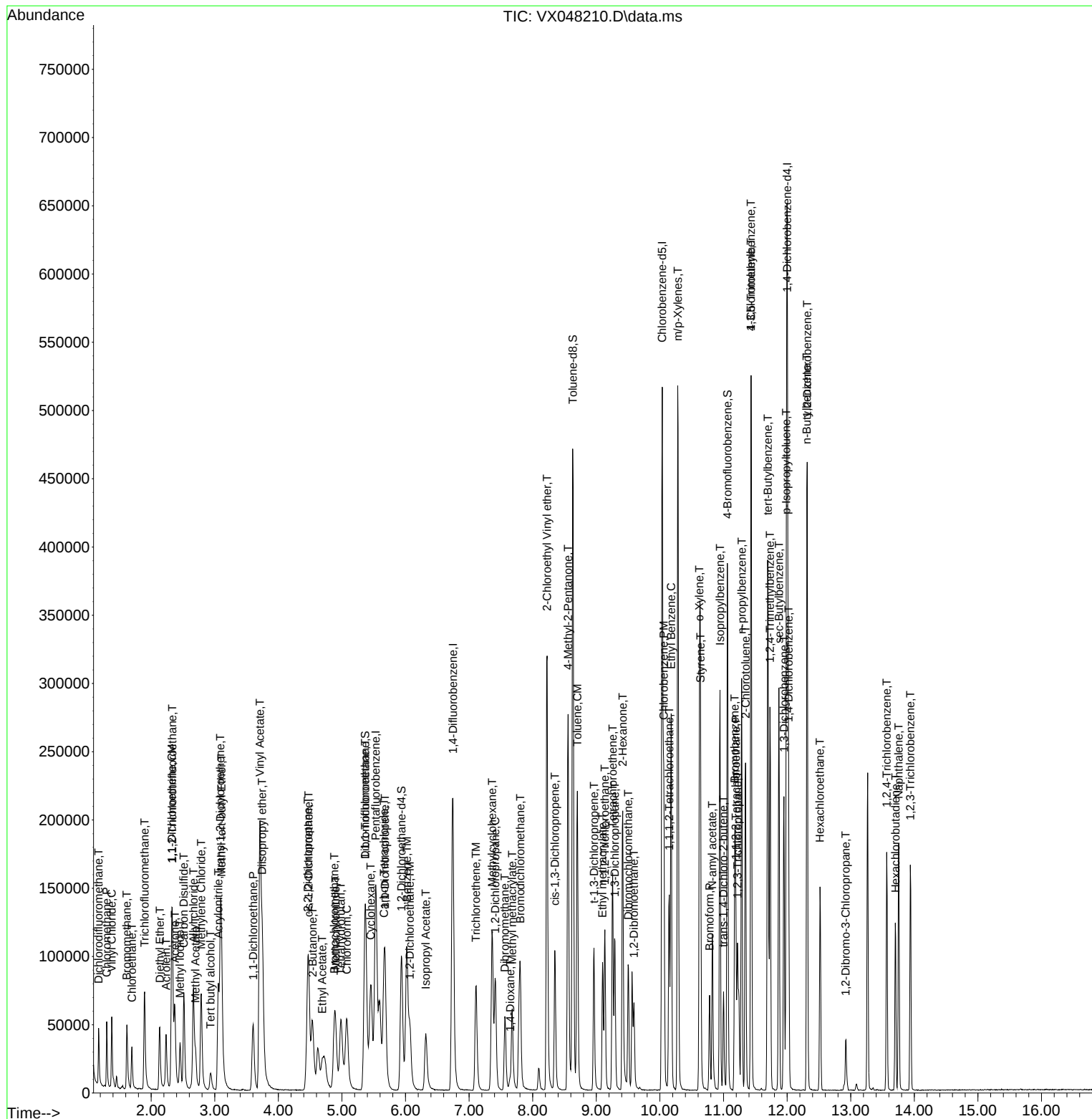
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
Data File : VX048210.D
Acq On : 17 Oct 2025 14:30
Operator : JC/MD
Sample : VX1017WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1017WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:18:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 18 00:06:31 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:

VX101725

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX048198.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:04 AM	MMDadoda	10/20/2025 3:53:48 PM	Peak Integrated by Software
VSTDICC001	VX048198.D	1,4-Dichlorobenzene	JOHN	10/20/2025 8:18:04 AM	MMDadoda	10/20/2025 3:53:48 PM	Peak Integrated by Software
VSTDICC001	VX048198.D	cis-1,2-Dichloroethene	JOHN	10/20/2025 8:18:04 AM	MMDadoda	10/20/2025 3:53:48 PM	Peak Integrated by Software
VSTDICC001	VX048198.D	Ethyl Acetate	JOHN	10/20/2025 8:18:04 AM	MMDadoda	10/20/2025 3:53:48 PM	Peak Integrated by Software
VSTDICC005	VX048199.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:08 AM	MMDadoda	10/20/2025 3:53:52 PM	Peak Integrated by Software
VSTDICC020	VX048200.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:13 AM	MMDadoda	10/20/2025 3:53:55 PM	Peak Integrated by Software
VSTDICCC050	VX048201.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:17 AM	MMDadoda	10/20/2025 3:54:00 PM	Peak Integrated by Software
VSTDICC100	VX048202.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:22 AM	MMDadoda	10/20/2025 3:54:04 PM	Peak Integrated by Software
VSTDICC150	VX048203.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:26 AM	MMDadoda	10/20/2025 3:54:09 PM	Peak Integrated by Software
VSTDICC150	VX048203.D	Bromomethane	JOHN	10/20/2025 8:18:26 AM	MMDadoda	10/20/2025 3:54:09 PM	Peak Integrated by Software
VSTDICV050	VX048205.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:31 AM	MMDadoda	10/20/2025 3:54:16 PM	Peak Integrated by Software
VSTDICV050	VX048205.D	Acrolein	JOHN	10/20/2025 8:18:31 AM	MMDadoda	10/20/2025 3:54:16 PM	Peak Integrated by Software
VX1017WBS01	VX048209.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:37 AM	MMDadoda	10/20/2025 3:54:19 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VX101725	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VX1017WBSD01	VX048210.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:18:41 AM	MMDadoda	10/20/2025 3:54:23 PM	Peak Integrated by Software
VSTDCCC050	VX048225.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:19:02 AM	MMDadoda	10/20/2025 3:54:36 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX101725

Review By	John Carlone	Review On	10/20/2025 8:29:16 AM
Supervise By	Maresh Dadoda	Supervise On	10/20/2025 3:54:51 PM
SubDirectory	VX101725	HP Acquire Method	HP Processing Method 82X101725W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135829		
Initial Calibration Stds	VP135861,VP135862,VP135863,VP135864,VP135865,VP135866		
CCC	VP135830		
Internal Standard/PEM			
ICV/I.BLK	VP135867		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048197.D	17 Oct 2025 08:17	JC/MD	Ok
2	VSTDIC001	VX048198.D	17 Oct 2025 08:45	JC/MD	Ok,M
3	VSTDIC005	VX048199.D	17 Oct 2025 09:14	JC/MD	Ok,M
4	VSTDIC020	VX048200.D	17 Oct 2025 09:35	JC/MD	Ok,M
5	VSTDIC050	VX048201.D	17 Oct 2025 09:55	JC/MD	Ok,M
6	VSTDIC100	VX048202.D	17 Oct 2025 10:16	JC/MD	Ok,M
7	VSTDIC150	VX048203.D	17 Oct 2025 10:36	JC/MD	Ok,M
8	IBLK	VX048204.D	17 Oct 2025 10:57	JC/MD	Ok
9	VSTDICV050	VX048205.D	17 Oct 2025 12:05	JC/MD	Ok,M
10	VX1017MBL01	VX048206.D	17 Oct 2025 12:54	JC/MD	Ok
11	VX1017WBL01	VX048207.D	17 Oct 2025 13:15	JC/MD	Ok
12	Q3311-12DL	VX048208.D	17 Oct 2025 13:43	JC/MD	Ok
13	VX1017WBS01	VX048209.D	17 Oct 2025 14:03	JC/MD	Ok,M
14	VX1017WBSD01	VX048210.D	17 Oct 2025 14:30	JC/MD	Ok,M
15	Q3361-02	VX048211.D	17 Oct 2025 14:51	JC/MD	Ok
16	Q3362-02	VX048212.D	17 Oct 2025 15:11	JC/MD	Ok
17	PB170117TB	VX048213.D	17 Oct 2025 15:32	JC/MD	Ok
18	Q3348-04	VX048214.D	17 Oct 2025 15:52	JC/MD	Ok,M
19	Q3352-04	VX048215.D	17 Oct 2025 16:13	JC/MD	Ok
20	Q3354-02	VX048216.D	17 Oct 2025 16:34	JC/MD	Ok
21	Q3357-01	VX048217.D	17 Oct 2025 16:54	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX101725

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Supervise By	Maresh Dadoda	Supervise On	10/20/2025 3:54:51 PM
SubDirectory	VX101725	HP Acquire Method	HP Processing Method 82X101725W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135829		
Initial Calibration Stds	VP135861,VP135862,VP135863,VP135864,VP135865,VP135866		
CCC	VP135830		
Internal Standard/PEM			
ICV/I.BLK	VP135867		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3357-02	VX048218.D	17 Oct 2025 17:15	JC/MD	Ok
23	Q3357-03	VX048219.D	17 Oct 2025 17:36	JC/MD	Ok
24	Q3357-04	VX048220.D	17 Oct 2025 17:56	JC/MD	Ok
25	Q3362-01	VX048221.D	17 Oct 2025 18:17	JC/MD	Ok
26	Q3361-01	VX048222.D	17 Oct 2025 18:37	JC/MD	Dilution
27	IBLK	VX048223.D	17 Oct 2025 18:58	JC/MD	Ok
28	Q3349-01	VX048224.D	17 Oct 2025 19:19	JC/MD	Ok
29	VSTDCCC050	VX048225.D	17 Oct 2025 19:39	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX101725

Review By	John Carlone	Review On	10/20/2025 8:29:16 AM
Supervise By	Maresh Dadoda	Supervise On	10/20/2025 3:54:51 PM
SubDirectory	VX101725	HP Acquire Method	HP Processing Method 82X101725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135829
Initial Calibration Stds	VP135861,VP135862,VP135863,VP135864,VP135865,VP135866
CCC	VP135830
Internal Standard/PEM	
ICV/I.BLK	VP135867
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048197.D	17 Oct 2025 08:17		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX048198.D	17 Oct 2025 08:45	pH#Lot#V12668	JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX048199.D	17 Oct 2025 09:14		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX048200.D	17 Oct 2025 09:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX048201.D	17 Oct 2025 09:55	Comp. #58 on Linear Regression	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX048202.D	17 Oct 2025 10:16		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX048203.D	17 Oct 2025 10:36		JC/MD	Ok,M
8	IBLK	IBLK	VX048204.D	17 Oct 2025 10:57		JC/MD	Ok
9	VSTDICV050	ICVVX101725	VX048205.D	17 Oct 2025 12:05	ICV Failed for comp. #13 for DOD	JC/MD	Ok,M
10	VX1017MBL01	VX1017MBL01	VX048206.D	17 Oct 2025 12:54		JC/MD	Ok
11	VX1017WBL01	VX1017WBL01	VX048207.D	17 Oct 2025 13:15		JC/MD	Ok
12	Q3311-12DL	MW-214DDL	VX048208.D	17 Oct 2025 13:43	vial B pH<2	JC/MD	Ok
13	VX1017WBS01	VX1017WBS01	VX048209.D	17 Oct 2025 14:03		JC/MD	Ok,M
14	VX1017WBSD01	VX1017WBSD01	VX048210.D	17 Oct 2025 14:30		JC/MD	Ok,M
15	Q3361-02	Trip blank 251015076-0	VX048211.D	17 Oct 2025 14:51	vial B pH#6.0 TB	JC/MD	Ok
16	Q3362-02	Trip blank 251015076-0	VX048212.D	17 Oct 2025 15:11	vial B pH#6.0 TB	JC/MD	Ok
17	PB170117TB	PB170117TB	VX048213.D	17 Oct 2025 15:32		JC/MD	Ok

Instrument ID: MSVOA_X

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STD. NAME	STD REF.#		
Tune/Reschk	VP135829		
Initial Calibration Stds	VP135861,VP135862,VP135863,VP135864,VP135865,VP135866		
CCC	VP135830		
Internal Standard/PEM			
ICV/I.BLK	VP135867		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q3348-04	WCS-TP1	VX048214.D	17 Oct 2025 15:52	vial B pH#5.0	JC/MD	Ok,M
19	Q3352-04	TP-3	VX048215.D	17 Oct 2025 16:13	vial A pH#5.0	JC/MD	Ok
20	Q3354-02	HT1403	VX048216.D	17 Oct 2025 16:34	vial A pH#5.0	JC/MD	Ok
21	Q3357-01	DRUM-1	VX048217.D	17 Oct 2025 16:54	vial A pH#5.0	JC/MD	Ok
22	Q3357-02	DRUM-2	VX048218.D	17 Oct 2025 17:15	vial A pH#5.0	JC/MD	Ok
23	Q3357-03	DRUM-3	VX048219.D	17 Oct 2025 17:36	vial A pH#5.0	JC/MD	Ok
24	Q3357-04	DRUM-4	VX048220.D	17 Oct 2025 17:56	vial A pH#5.0	JC/MD	Ok
25	Q3362-01	VOA 251015085-01	VX048221.D	17 Oct 2025 18:17	vial C pH#6.0 Surrogate Fail	JC/MD	Ok
26	Q3361-01	VOA 251015111-01	VX048222.D	17 Oct 2025 18:37	vial C pH#6.0 Need 10X	JC/MD	Dilution
27	IBLK	IBLK	VX048223.D	17 Oct 2025 18:58		JC/MD	Ok
28	Q3349-01	PURS Station	VX048224.D	17 Oct 2025 19:19	vial A pH#5.0 Oil sample	JC/MD	Ok
29	VSTDCCC050	VSTDCCC050EC	VX048225.D	17 Oct 2025 19:39		JC/MD	Ok,M

M : Manual Integration



SHIPPING DOCUMENTS

Garden State Laboratories, Inc.

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

CLIENT INFORMATION (REPORT TO BE SENT TO)

Name: Garden State Laboratories, Inc.

Contact/Authorized by: Robert Szot

Mailing Address: 410 Hillside Ave.

Phone: 908-688-8900 EXT 129

City/State/Zip: Hillside, NJ. 07205

Email: rszot@gslabs.com

SAMPLE INFORMATION

SAMPLE TYPE: WASTE WATER

SAMPLE LOCATION:

Grab	Comp	SAMPLE ID	SAMPLE COLLECTION				ANALYSIS REQUIRED (Print Legibly)	CONTAINER INFORMATION			
			Date	Time	AM	PM		No.	Type*	Size	Pres.*
X		VOA 25105085-01	10/15/25	10:18	X		EPA 8260 TCL LIST + Acrolien & Acrylonitrile	3	V	40mL	A
X		Trip blank 25105076-03					EPA 8260 TCL LIST + Acrolien & Acrylonitrile	2	V	40mL	A

*Container Type: P = Plastic G = Glass A = Amber Glass I = 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: ☒ Standard ☐ Rush (If RUSH REQUESTED) Rush Due by:

REPORT FORMAT: ☒ Standard Report ☐ Other/Specify:

☐ Standard Report + E2 PWS ID#:

SEND TO: Chem Tech

DATE/TIME:

METHOD OF SHIPMENT:

Deliver

PAYMENT INFORMATION

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

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

Note:

VOA UNPRESERVED DUE TO EFFERVESCENCE - 3 DAY TAT PER JORDAN HEDVAT

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): Megan Howanich

Signature: Megan Howanich

Date/Time: 10/15/25 14:55

2. Received/Relinquished by (PRINT):

Signature: Cassanova Rand

Date/Time: 10/16/25 9:40

Q 3362

FOR 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

2.3

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3362	GARD04	Order Date : 10/16/2025 9:55:00 AM	Project Mgr :
Client Name : Garden State Laboratories, I		Project Name : Waste Water 2025	Report Type : Level 1
Client Contact : Sharon Ercoliani		Receive DateTime : 10/16/2025 9:40:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Garden State Laboratories, I		Purchase Order :	Hard Copy Date :
Invoice Contact : Sharon Ercoliani			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3362-01	VOA 251015085-01	Water	10/15/2025	10:18					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days
Q3362-02	Trip blank 251015076-03	Water	10/15/2025	10:18					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days

Relinquished By :

Date / Time : 10/16/25 10:50

Received By :

Date / Time : 10/16/25 10:50

Storage Area : VOA Refridgerator Room