

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:	Q3325	OrderDate:	10/10/2025 11:18:00 AM
Client:	Chemtech Consulting Group	Project:	Weekly Storage Blanks
Contact:	QA Officer	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3325-07	STORAGE-BLANK-SAMPLE-MANAGEMENT	Water			10/03/25			10/10/25
			VOC- Chemtech Full	8260-Low			10/14/25	
Q3325-08	STORAGE-BLANK-WATER-REF-5	Water			10/03/25			10/10/25
			VOC- Chemtech Full	8260-Low			10/14/25	
Q3325-09	STORAGE-BLANK-WATER-REF-4	Water			10/03/25			10/10/25
			VOC- Chemtech Full	8260-Low			10/14/25	
Q3325-10	STORAGE-BLANK-SAMPLE-MANAGEMENT	Water			10/03/25			10/10/25
			VOC- Chemtech Full	8260-Low			10/14/25	



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Hit Summary Sheet
SW-846

SDG No.: Q3325

Client: Chemtech Consulting Group

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

0

Total Voc :

Total Concentration:



QC SUMMARY

Surrogate Summary

SDG No.: Q3325

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3325-07	STORAGE-BLANK-SAMPLE-MANAC	1,2-Dichloroethane-d4	50	53.2	106		74	125
		Dibromofluoromethane	50	50.1	100		75	124
		Toluene-d8	50	51.1	102		86	113
		4-Bromofluorobenzene	50	54.5	109		77	121
Q3325-08	STORAGE-BLANK-WATER-REF-5	1,2-Dichloroethane-d4	50	54.8	110		74	125
		Dibromofluoromethane	50	51.4	103		75	124
		Toluene-d8	50	46.6	93		86	113
		4-Bromofluorobenzene	50	58.5	117		77	121
Q3325-09	STORAGE-BLANK-WATER-REF-4	1,2-Dichloroethane-d4	50	54.8	110		74	125
		Dibromofluoromethane	50	51.4	103		75	124
		Toluene-d8	50	49.7	99		86	113
		4-Bromofluorobenzene	50	56.5	113		77	121
Q3325-10	STORAGE-BLANK-SAMPLE-MANAC	1,2-Dichloroethane-d4	50	55.7	111		74	125
		Dibromofluoromethane	50	48.7	97		75	124
		Toluene-d8	50	47.3	94		86	113
		4-Bromofluorobenzene	50	52.7	105		77	121

VOLATILE METHOD BLANK SUMMARY

Client ID

STORAGE-BLANK-SAMPL

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3325

Lab File ID: VX048172.D

Lab Sample ID: Q3325-07

Date Analyzed: 10/14/2025

Time Analyzed: 17:16

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
STORAGE-BLANK-SAMPLE-MANAGEMENT	Q3325-07	VX048172.D	10/14/2025
STORAGE-BLANK-WATER-REF-5	Q3325-08	VX048173.D	10/14/2025
STORAGE-BLANK-WATER-REF-4	Q3325-09	VX048174.D	10/14/2025
STORAGE-BLANK-SAMPLE-MANAGEMENT	Q3325-10	VX048175.D	10/14/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3325

Lab File ID: VX047584.D

BFB Injection Date: 09/16/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:56

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
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX047585.D	09/16/2025	09:23
VSTDIC005	VSTDIC005	VX047586.D	09/16/2025	10:16
VSTDIC020	VSTDIC020	VX047587.D	09/16/2025	10:37
VSTDIC050	VSTDIC050	VX047588.D	09/16/2025	10:58
VSTDIC100	VSTDIC100	VX047589.D	09/16/2025	11:40
VSTDIC150	VSTDIC150	VX047590.D	09/16/2025	12:01

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3325

Lab File ID: VX048152.D

BFB Injection Date: 10/14/2025

Instrument ID: MSVOA_X

BFB Injection Time: 09:33

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	20.6
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 (1.2) 1
174	50.0 - 100.0% of mass 95	69.1
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	66.7 (96.5) 1
177	5.0 - 9.0% of mass 176	4.5 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX048153.D	10/14/2025	10:02
STORAGE-BLANK-SAMPLE-MANAGEMENT	Q3325-07	VX048172.D	10/14/2025	17:16
STORAGE-BLANK-WATER-REF-5	Q3325-08	VX048173.D	10/14/2025	17:37
STORAGE-BLANK-WATER-REF-4	Q3325-09	VX048174.D	10/14/2025	17:57
STORAGE-BLANK-SAMPLE-MANAGEMENT	Q3325-10	VX048175.D	10/14/2025	18:18

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CHEM02
 Lab Code: ACE SDG NO.: Q3325
 Lab File ID: VX048153.D Date Analyzed: 10/14/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:02
 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	124958	5.53	212282	6.74	195629	10.04
UPPER LIMIT	249916	6.031	424564	7.239	391258	10.537
LOWER LIMIT	62479	5.031	106141	6.239	97814.5	9.537
EPA SAMPLE NO.						
STORAGE-BLANK-SAMPLE-MANAGEMENT	112441	5.54	232604	6.75	242888	10.04
STORAGE-BLANK-WATER-REF-5	111167	5.54	226396	6.75	230418	10.04
STORAGE-BLANK-WATER-REF-4	119484	5.54	246280	6.75	273767	10.04
STORAGE-BLANK-SAMPLE-MANAGEMENT	108327	5.54	238234	6.75	241054	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: CHEM02
 Lab Code: ACE SDG NO.: Q3325
 Lab File ID: VX048153.D Date Analyzed: 10/14/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:02
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	95000	12.00€				
UPPER LIMIT	190000	12.50€				
LOWER LIMIT	47500	11.50€				
EPA SAMPLE NO.						
STORAGE-BLANK-SAMPLE-MANAGEMENT	119661	12.01				
STORAGE-BLANK-WATER-REF-5	123442	12.01				
STORAGE-BLANK-WATER-REF-4	130356	12.01				
STORAGE-BLANK-SAMPLE-MANAGEMENT	120017	12.01				

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: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-SAMP
Lab Sample ID: Q3325-07
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

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	10/14/25 17:16	VX101425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/14/25 17:16	VX101425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/14/25 17:16	VX101425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/14/25 17:16	VX101425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/14/25 17:16	VX101425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/14/25 17:16	VX101425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/14/25 17:16	VX101425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:16	VX101425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/14/25 17:16	VX101425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:16	VX101425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/14/25 17:16	VX101425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/14/25 17:16	VX101425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/14/25 17:16	VX101425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/14/25 17:16	VX101425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:16	VX101425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/14/25 17:16	VX101425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/14/25 17:16	VX101425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:16	VX101425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/14/25 17:16	VX101425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:16	VX101425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/14/25 17:16	VX101425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/14/25 17:16	VX101425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:16	VX101425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/14/25 17:16	VX101425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:16	VX101425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 17:16	VX101425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:16	VX101425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:16	VX101425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:16	VX101425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:16	VX101425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:16	VX101425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 17:16	VX101425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/14/25 17:16	VX101425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:16	VX101425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:16	VX101425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 17:16	VX101425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/14/25 17:16	VX101425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:16	VX101425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/14/25 17:16	VX101425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:16	VX101425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/14/25 17:16	VX101425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:16	VX101425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/14/25 17:16	VX101425

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-SAMP
Lab Sample ID: Q3325-07
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	10/14/25 17:16	VX101425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/14/25 17:16	VX101425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:16	VX101425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:16	VX101425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/14/25 17:16	VX101425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:16	VX101425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/14/25 17:16	VX101425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:16	VX101425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/14/25 17:16	VX101425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/14/25 17:16	VX101425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:16	VX101425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:16	VX101425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/14/25 17:16	VX101425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/14/25 17:16	VX101425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/14/25 17:16	VX101425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/14/25 17:16	VX101425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:16	VX101425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:16	VX101425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:16	VX101425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:16	VX101425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:16	VX101425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:16	VX101425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:16	VX101425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:16	VX101425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:16	VX101425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:16	VX101425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:16	VX101425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:16	VX101425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/14/25 17:16	VX101425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:16	VX101425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/14/25 17:16	VX101425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:16	VX101425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:16	VX101425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.2			74 - 12	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.1			75 - 12	100%	SPK: 50		
2037-26-5	Toluene-d8	51.1			86 - 11	102%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.5			77 - 12	109%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	112000							
540-36-3	1,4-Difluorobenzene	233000							
3114-55-4	Chlorobenzene-d5	243000							
3855-82-1	1,4-Dichlorobenzene-d4	120000							

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-SAMP
Lab Sample ID: Q3325-07
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
------------	-----------	-------	------	----	-----	------------	-------	-----------	---------

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\VX101425\
 Data File : VX048172.D
 Acq On : 14 Oct 2025 17:16
 Operator : JC/MD
 Sample : Q3325-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Oct 15 02:49:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	112441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	232604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	242888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	119661	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	95292	53.242	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.480%
35) Dibromofluoromethane	5.379	113	78138	50.089	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.180%
50) Toluene-d8	8.635	98	275787	51.092	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.180%
62) 4-Bromofluorobenzene	11.067	95	111554	54.455	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.900%

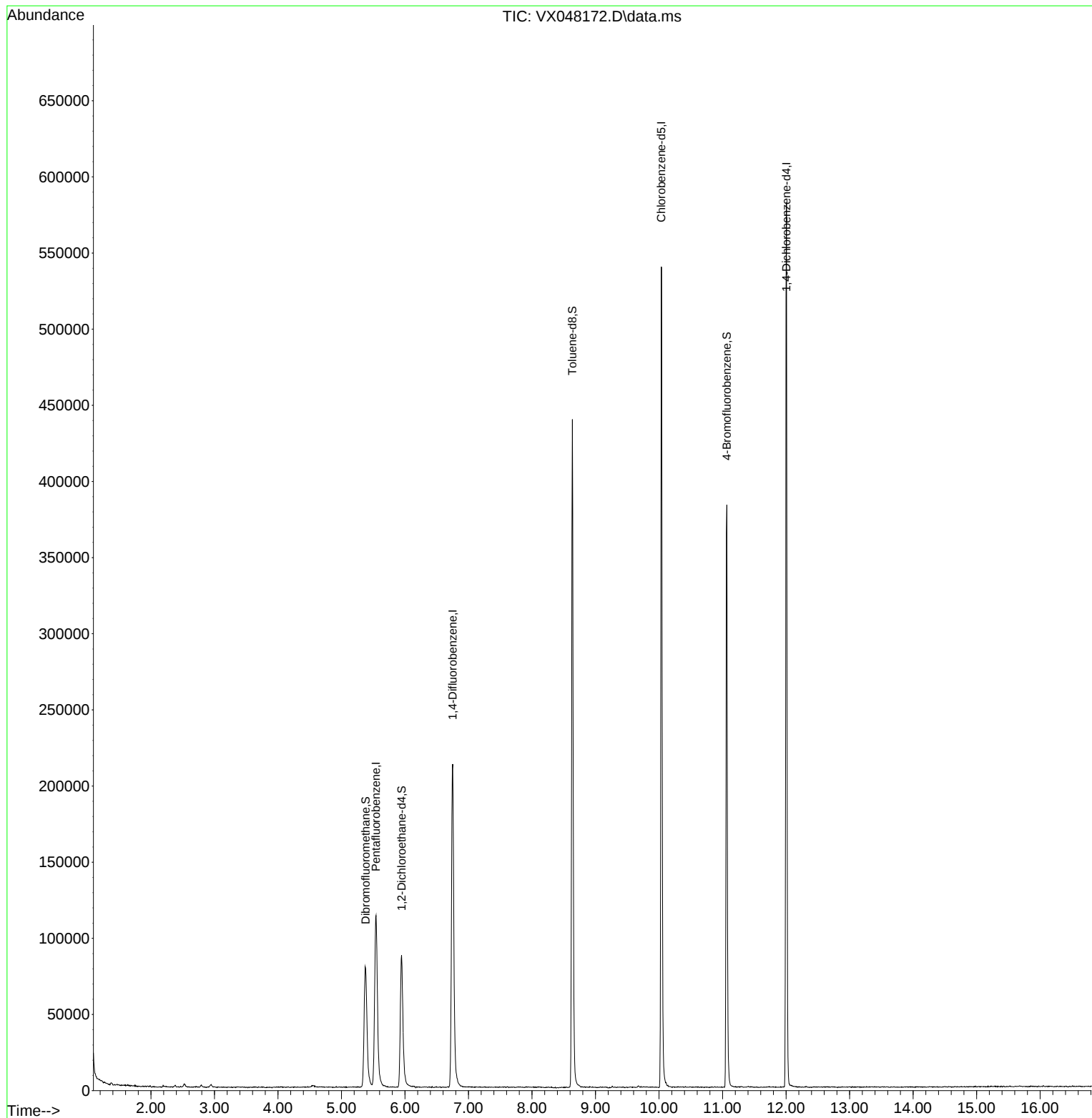
Target Compounds	Qvalue

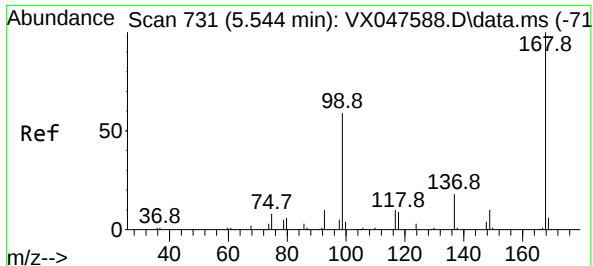
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048172.D
Acq On : 14 Oct 2025 17:16
Operator : JC/MD
Sample : Q3325-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Oct 15 02:49:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

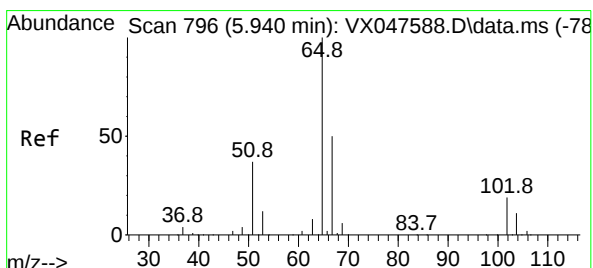
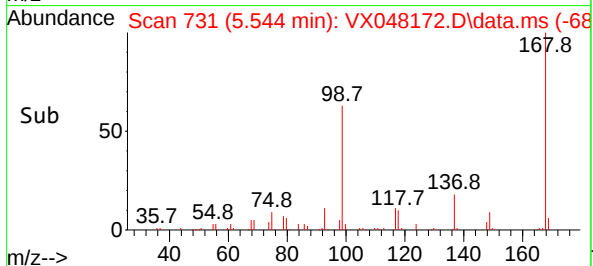
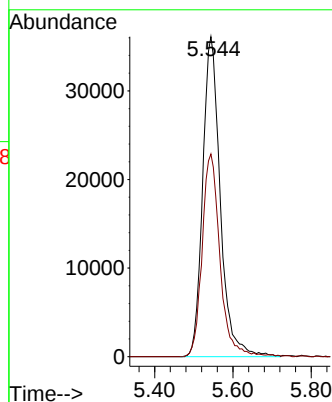
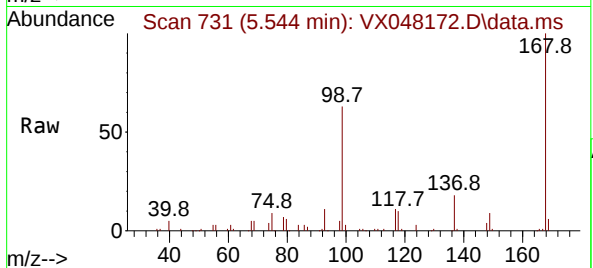




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048172.D
Acq: 14 Oct 2025 17:16

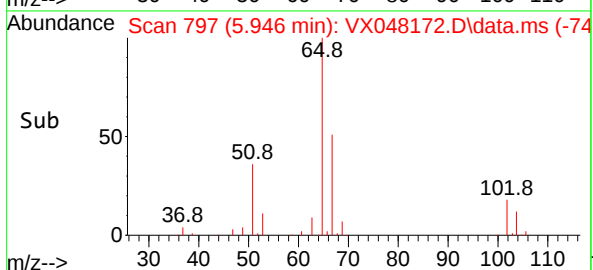
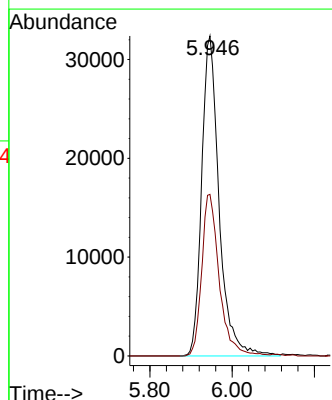
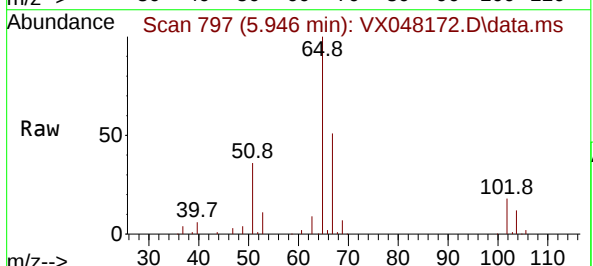
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

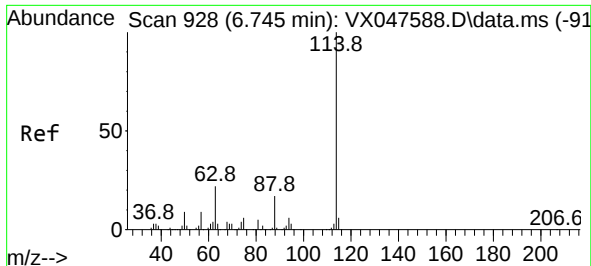
Tgt Ion:168 Resp: 112441
Ion Ratio Lower Upper
168 100
99 63.4 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 53.242 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX048172.D
Acq: 14 Oct 2025 17:16

Tgt Ion: 65 Resp: 95292
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0

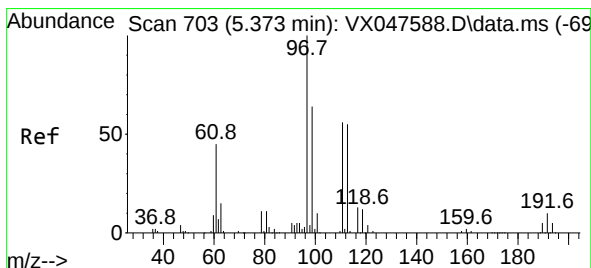
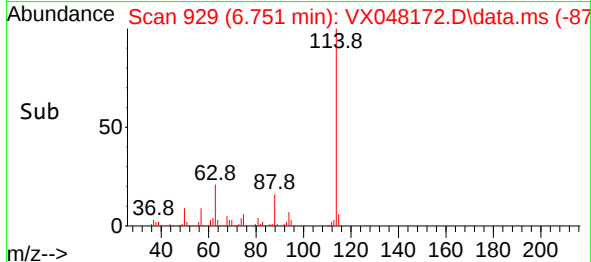
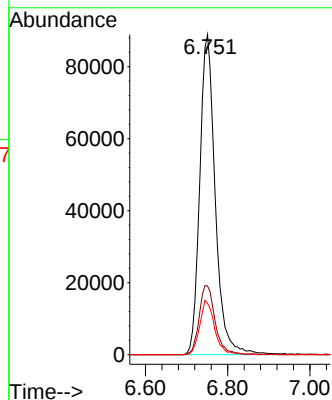
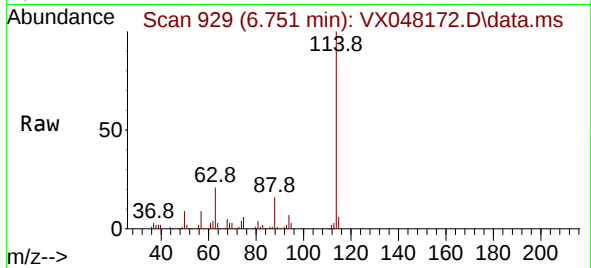




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048172.D
Acq: 14 Oct 2025 17:16

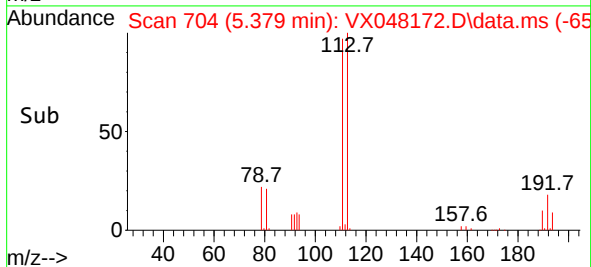
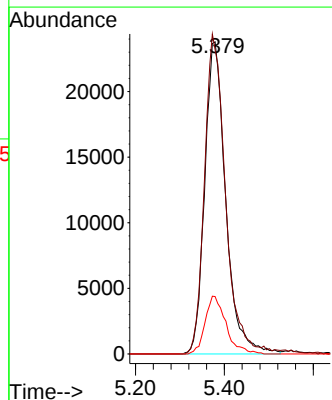
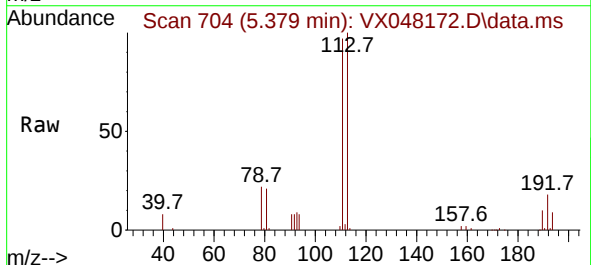
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

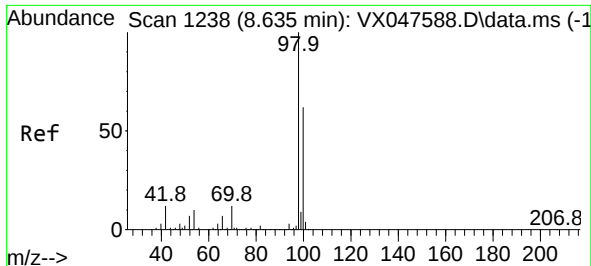
Tgt Ion:114 Resp: 232604
Ion Ratio Lower Upper
114 100
63 21.5 0.0 44.0
88 16.1 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.089 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048172.D
Acq: 14 Oct 2025 17:16

Tgt Ion:113 Resp: 78138
Ion Ratio Lower Upper
113 100
111 103.7 80.9 121.3
192 18.5 14.2 21.4

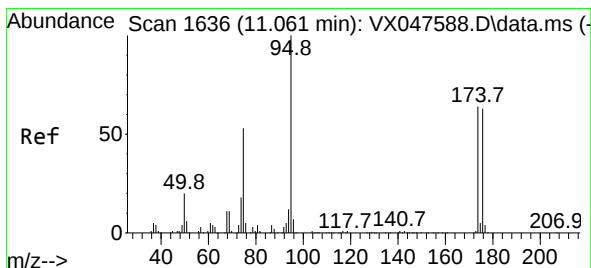
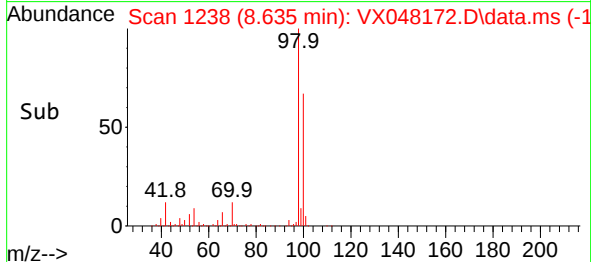
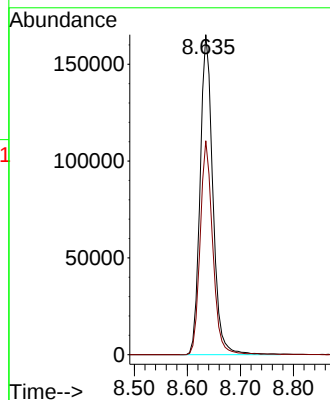
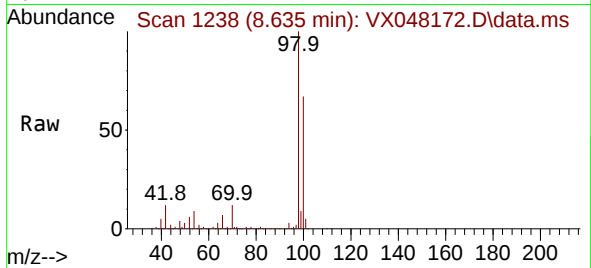




#50
Toluene-d8
Concen: 51.092 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048172.D
Acq: 14 Oct 2025 17:16

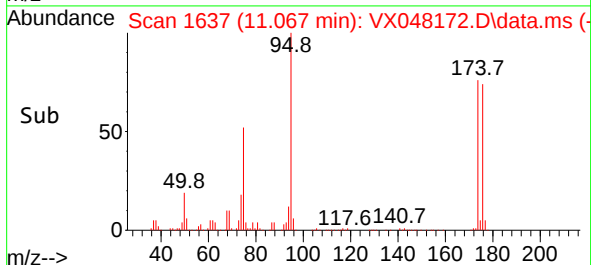
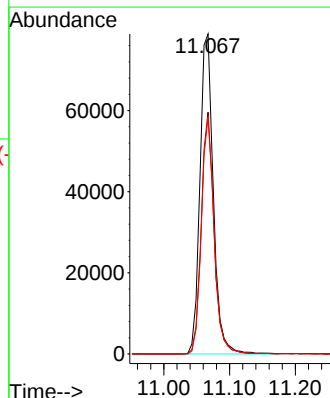
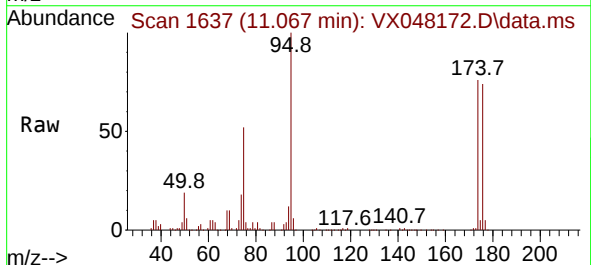
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

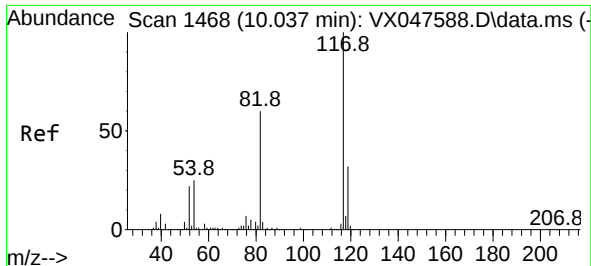
Tgt Ion: 98 Resp: 275787
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 54.455 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048172.D
Acq: 14 Oct 2025 17:16

Tgt Ion: 95 Resp: 111554
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.6
176 70.2 0.0 138.4

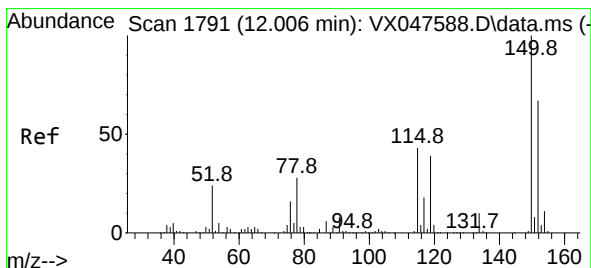
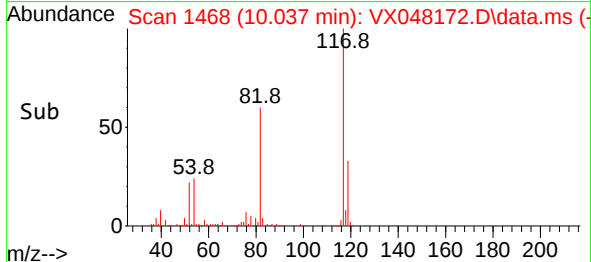
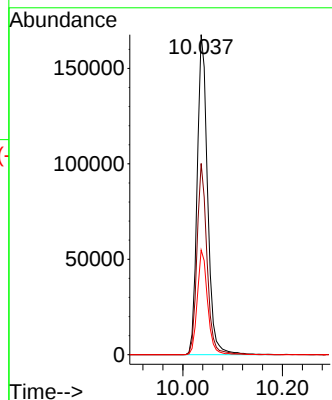
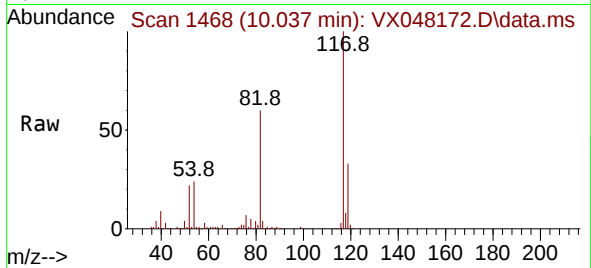




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048172.D
Acq: 14 Oct 2025 17:16

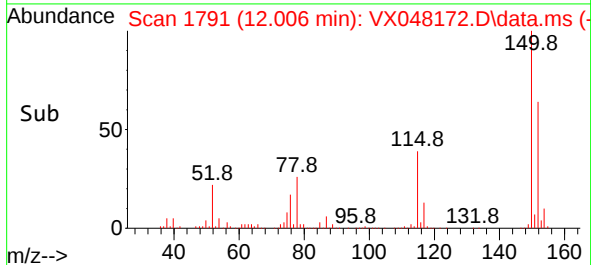
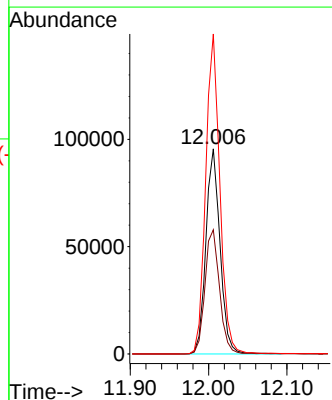
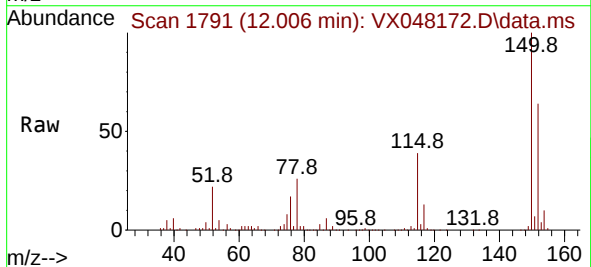
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:117 Resp: 242888
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.6
119 32.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048172.D
Acq: 14 Oct 2025 17:16

Tgt Ion:152 Resp: 119661
Ion Ratio Lower Upper
152 100
115 62.7 44.9 134.5
150 156.5 0.0 352.0



Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-WATE
Lab Sample ID: Q3325-08
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

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	10/14/25 17:37	VX101425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/14/25 17:37	VX101425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/14/25 17:37	VX101425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/14/25 17:37	VX101425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/14/25 17:37	VX101425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/14/25 17:37	VX101425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/14/25 17:37	VX101425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:37	VX101425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/14/25 17:37	VX101425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:37	VX101425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/14/25 17:37	VX101425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/14/25 17:37	VX101425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/14/25 17:37	VX101425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/14/25 17:37	VX101425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:37	VX101425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/14/25 17:37	VX101425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/14/25 17:37	VX101425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:37	VX101425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/14/25 17:37	VX101425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:37	VX101425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/14/25 17:37	VX101425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/14/25 17:37	VX101425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:37	VX101425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/14/25 17:37	VX101425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:37	VX101425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 17:37	VX101425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:37	VX101425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:37	VX101425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:37	VX101425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:37	VX101425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:37	VX101425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 17:37	VX101425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/14/25 17:37	VX101425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:37	VX101425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:37	VX101425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 17:37	VX101425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/14/25 17:37	VX101425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:37	VX101425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/14/25 17:37	VX101425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:37	VX101425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/14/25 17:37	VX101425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:37	VX101425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/14/25 17:37	VX101425

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-WATE
Lab Sample ID: Q3325-08
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	10/14/25 17:37	VX101425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/14/25 17:37	VX101425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:37	VX101425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:37	VX101425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/14/25 17:37	VX101425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:37	VX101425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/14/25 17:37	VX101425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:37	VX101425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/14/25 17:37	VX101425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/14/25 17:37	VX101425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:37	VX101425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:37	VX101425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/14/25 17:37	VX101425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/14/25 17:37	VX101425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/14/25 17:37	VX101425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/14/25 17:37	VX101425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:37	VX101425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:37	VX101425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:37	VX101425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:37	VX101425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:37	VX101425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:37	VX101425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:37	VX101425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:37	VX101425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:37	VX101425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:37	VX101425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:37	VX101425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:37	VX101425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/14/25 17:37	VX101425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:37	VX101425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/14/25 17:37	VX101425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:37	VX101425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:37	VX101425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.8			74 - 12	110%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.4			75 - 12	103%	SPK: 50		
2037-26-5	Toluene-d8	46.6			86 - 11	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	58.5			77 - 12	117%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	111000							
540-36-3	1,4-Difluorobenzene	226000							
3114-55-4	Chlorobenzene-d5	230000							
3855-82-1	1,4-Dichlorobenzene-d4	123000							

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-WATE
Lab Sample ID: Q3325-08
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048173.D
 Acq On : 14 Oct 2025 17:37
 Operator : JC/MD
 Sample : Q3325-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 15 02:49:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	111167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	226396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	230418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	123442	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	96984	54.809	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.620%
35) Dibromofluoromethane	5.373	113	78071	51.419	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.840%
50) Toluene-d8	8.635	98	244684	46.573	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.140%
62) 4-Bromofluorobenzene	11.061	95	116729	58.543	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	117.080%

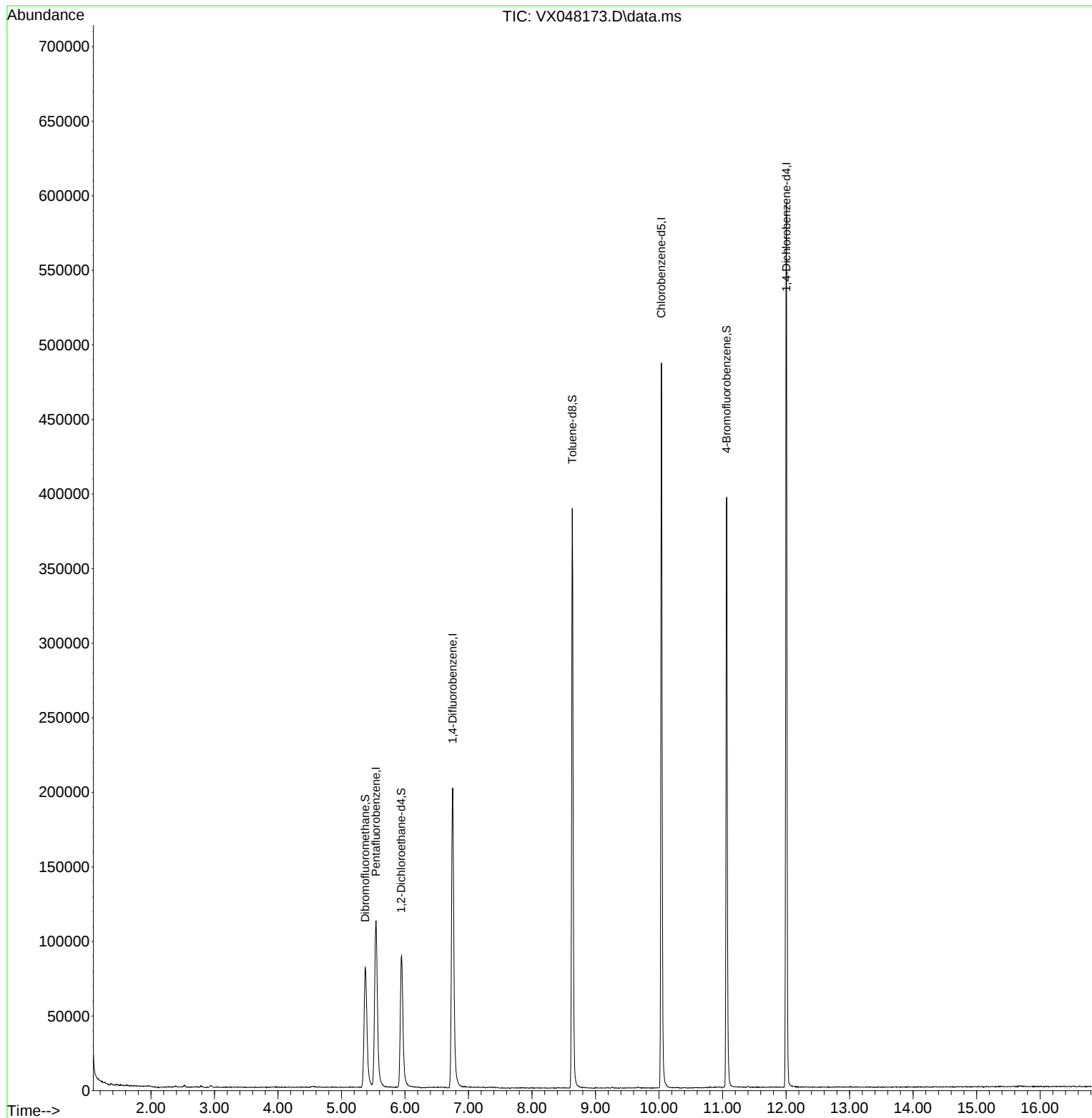
Target Compounds	Qvalue

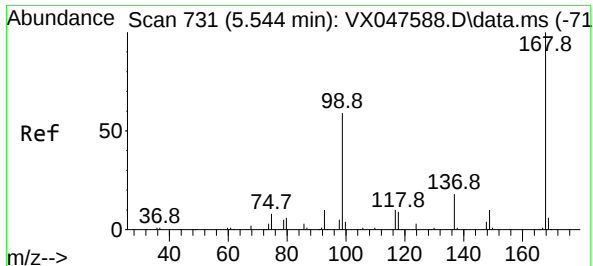
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048173.D
Acq On : 14 Oct 2025 17:37
Operator : JC/MD
Sample : Q3325-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Quant Time: Oct 15 02:49:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

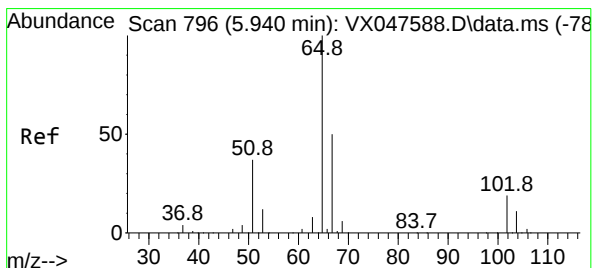
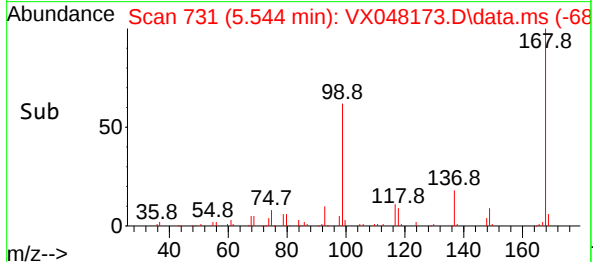
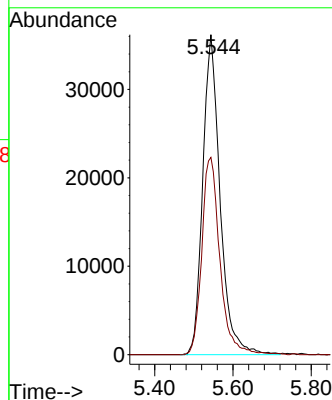
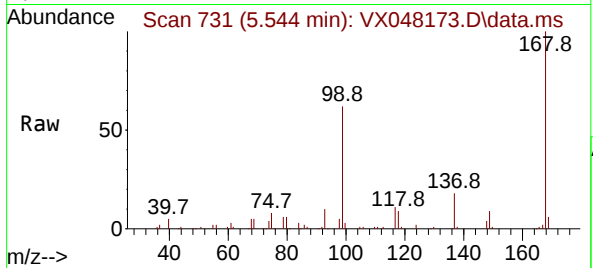




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048173.D
Acq: 14 Oct 2025 17:37

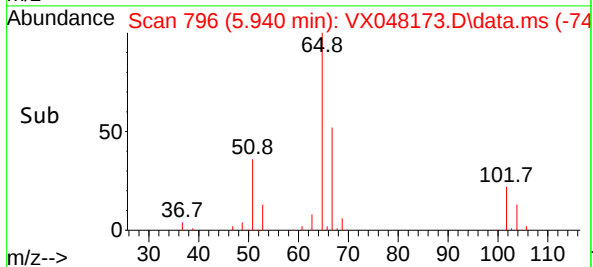
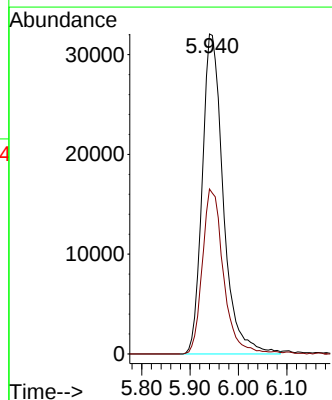
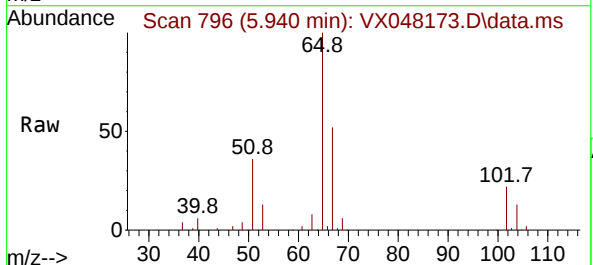
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

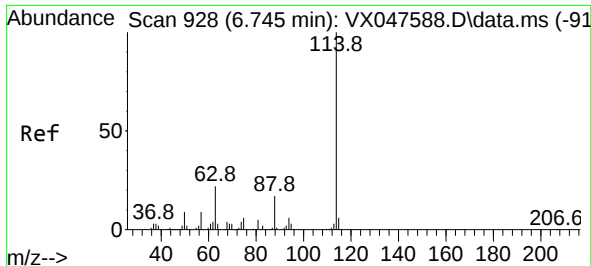
Tgt Ion:168 Resp: 111167
Ion Ratio Lower Upper
168 100
99 61.6 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 54.809 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048173.D
Acq: 14 Oct 2025 17:37

Tgt Ion: 65 Resp: 96984
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.0

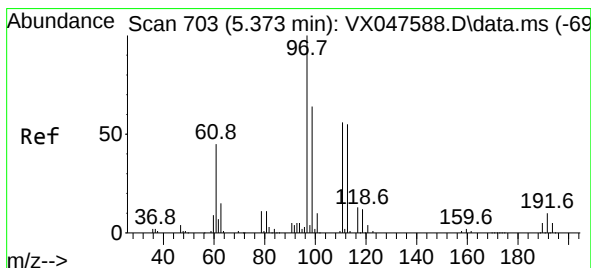
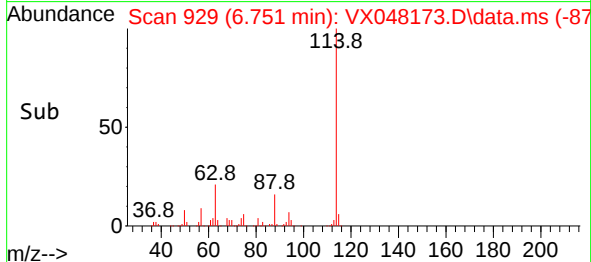
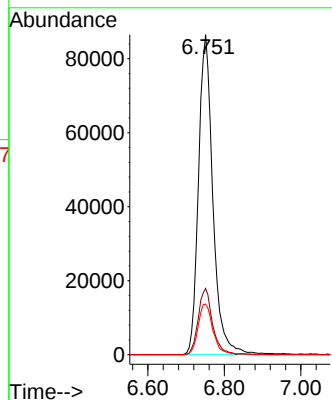
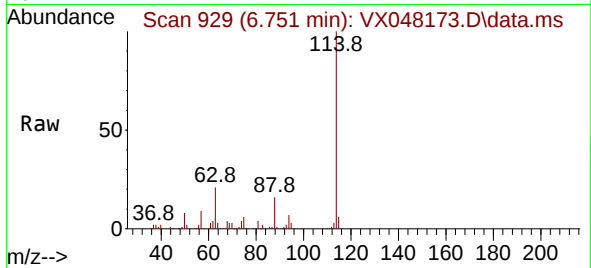




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048173.D
Acq: 14 Oct 2025 17:37

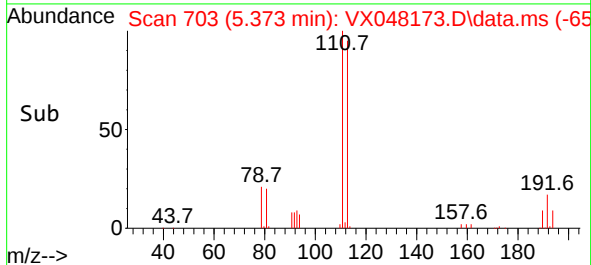
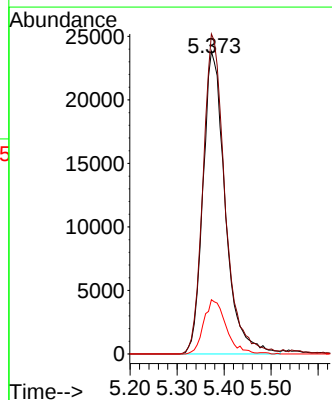
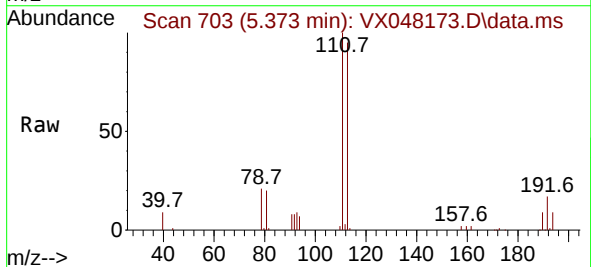
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

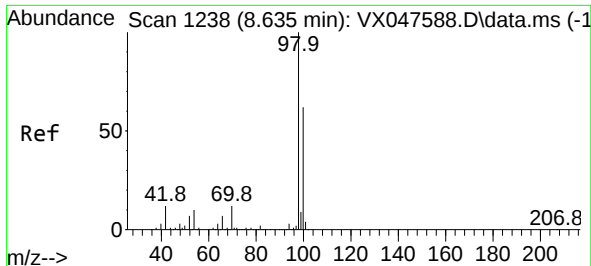
Tgt Ion:114 Resp: 226396
Ion Ratio Lower Upper
114 100
63 20.7 0.0 44.0
88 15.8 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.419 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048173.D
Acq: 14 Oct 2025 17:37

Tgt Ion:113 Resp: 78071
Ion Ratio Lower Upper
113 100
111 105.0 80.9 121.3
192 17.9 14.2 21.4

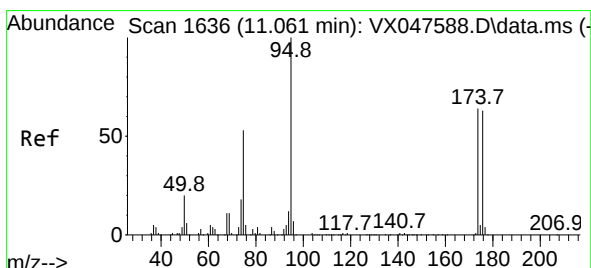
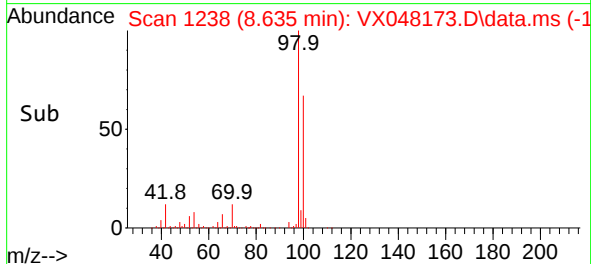
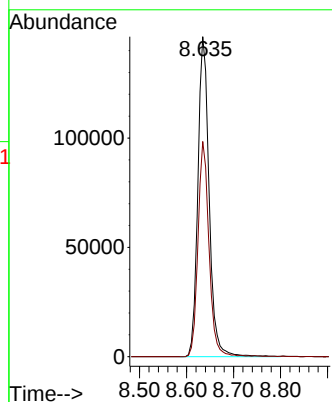
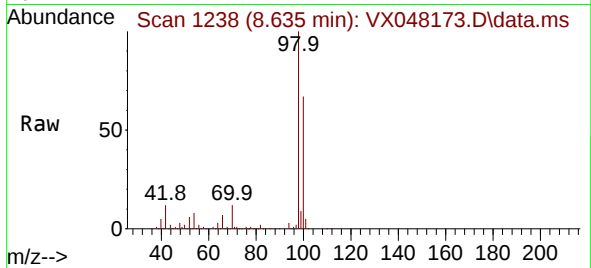




#50
Toluene-d8
Concen: 46.573 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048173.D
Acq: 14 Oct 2025 17:37

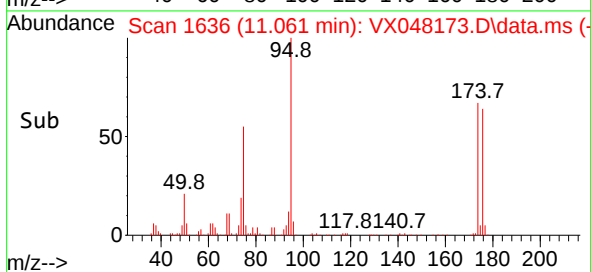
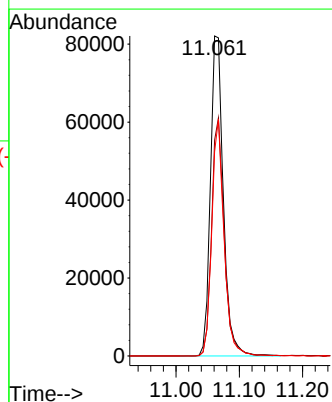
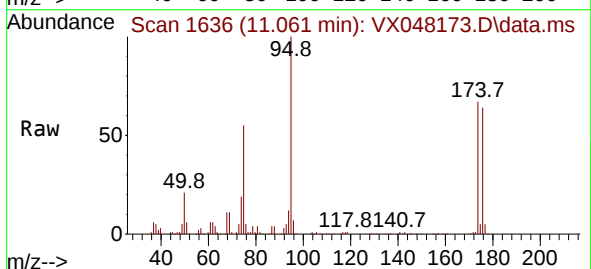
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

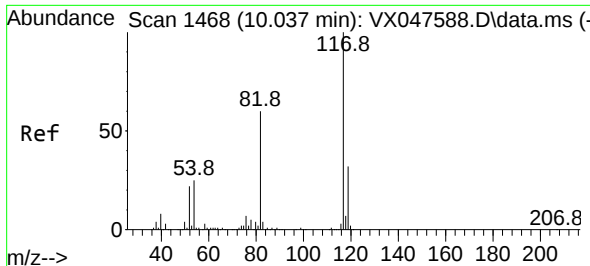
Tgt Ion: 98 Resp: 244684
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 58.543 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048173.D
Acq: 14 Oct 2025 17:37

Tgt Ion: 95 Resp: 116729
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.6
176 70.1 0.0 138.4

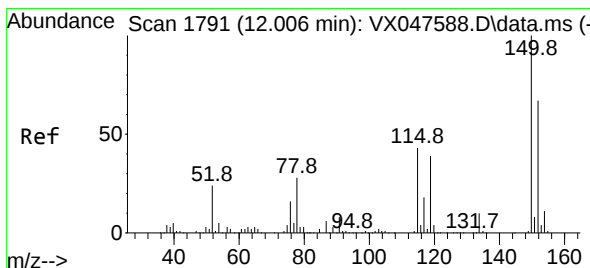
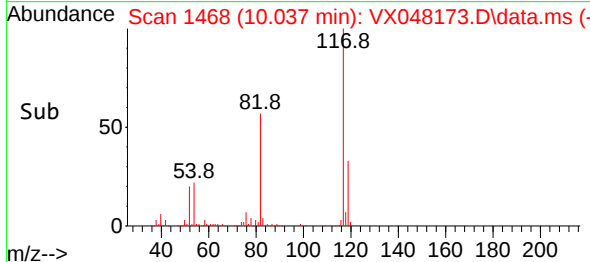
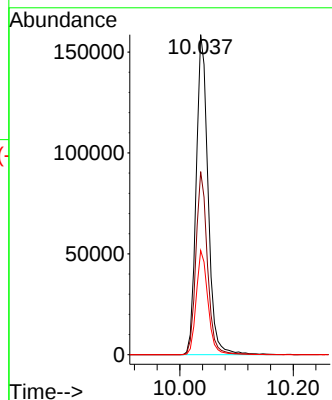
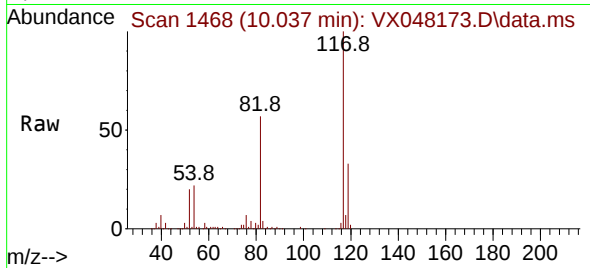




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048173.D
Acq: 14 Oct 2025 17:37

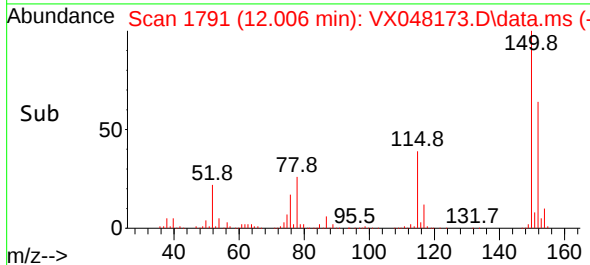
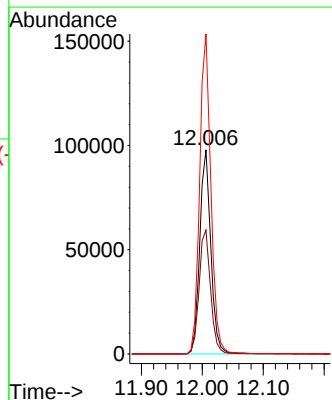
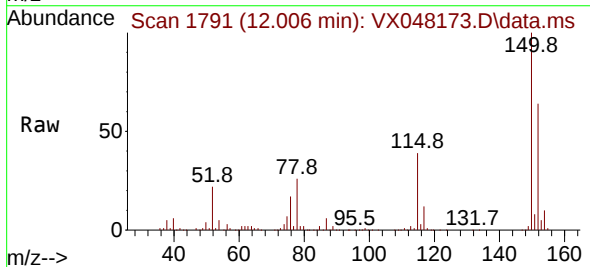
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-5

Tgt Ion:117 Resp: 230418
Ion Ratio Lower Upper
117 100
82 57.2 47.8 71.6
119 32.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048173.D
Acq: 14 Oct 2025 17:37

Tgt Ion:152 Resp: 123442
Ion Ratio Lower Upper
152 100
115 62.8 44.9 134.5
150 158.5 0.0 352.0



Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-WATE
Lab Sample ID: Q3325-09
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

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	10/14/25 17:57	VX101425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/14/25 17:57	VX101425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/14/25 17:57	VX101425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/14/25 17:57	VX101425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/14/25 17:57	VX101425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/14/25 17:57	VX101425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/14/25 17:57	VX101425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:57	VX101425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/14/25 17:57	VX101425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:57	VX101425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/14/25 17:57	VX101425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/14/25 17:57	VX101425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/14/25 17:57	VX101425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/14/25 17:57	VX101425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:57	VX101425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/14/25 17:57	VX101425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/14/25 17:57	VX101425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:57	VX101425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/14/25 17:57	VX101425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:57	VX101425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/14/25 17:57	VX101425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/14/25 17:57	VX101425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:57	VX101425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/14/25 17:57	VX101425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:57	VX101425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 17:57	VX101425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:57	VX101425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:57	VX101425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:57	VX101425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:57	VX101425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:57	VX101425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 17:57	VX101425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/14/25 17:57	VX101425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:57	VX101425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/14/25 17:57	VX101425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 17:57	VX101425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/14/25 17:57	VX101425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:57	VX101425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/14/25 17:57	VX101425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:57	VX101425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/14/25 17:57	VX101425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:57	VX101425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/14/25 17:57	VX101425

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-WATE
Lab Sample ID: Q3325-09
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	10/14/25 17:57	VX101425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/14/25 17:57	VX101425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:57	VX101425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 17:57	VX101425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/14/25 17:57	VX101425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:57	VX101425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/14/25 17:57	VX101425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:57	VX101425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/14/25 17:57	VX101425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/14/25 17:57	VX101425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:57	VX101425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:57	VX101425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/14/25 17:57	VX101425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/14/25 17:57	VX101425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/14/25 17:57	VX101425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/14/25 17:57	VX101425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:57	VX101425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:57	VX101425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:57	VX101425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:57	VX101425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:57	VX101425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/14/25 17:57	VX101425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:57	VX101425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/14/25 17:57	VX101425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:57	VX101425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/14/25 17:57	VX101425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 17:57	VX101425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/14/25 17:57	VX101425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/14/25 17:57	VX101425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:57	VX101425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/14/25 17:57	VX101425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:57	VX101425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/14/25 17:57	VX101425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.8			74 - 12	110%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.4			75 - 12	103%	SPK: 50		
2037-26-5	Toluene-d8	49.7			86 - 11	99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.5			77 - 12	113%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	119000							
540-36-3	1,4-Difluorobenzene	246000							
3114-55-4	Chlorobenzene-d5	274000							
3855-82-1	1,4-Dichlorobenzene-d4	130000							

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-WATE
Lab Sample ID: Q3325-09
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048174.D
 Acq On : 14 Oct 2025 17:57
 Operator : JC/MD
 Sample : Q3325-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Oct 15 02:49:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	119484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	246280	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	273767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130356	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	104185	54.780	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	109.560%
35) Dibromofluoromethane	5.379	113	84957	51.436	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.880%
50) Toluene-d8	8.634	98	283894	49.674	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.340%
62) 4-Bromofluorobenzene	11.061	95	122581	56.515	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.020%

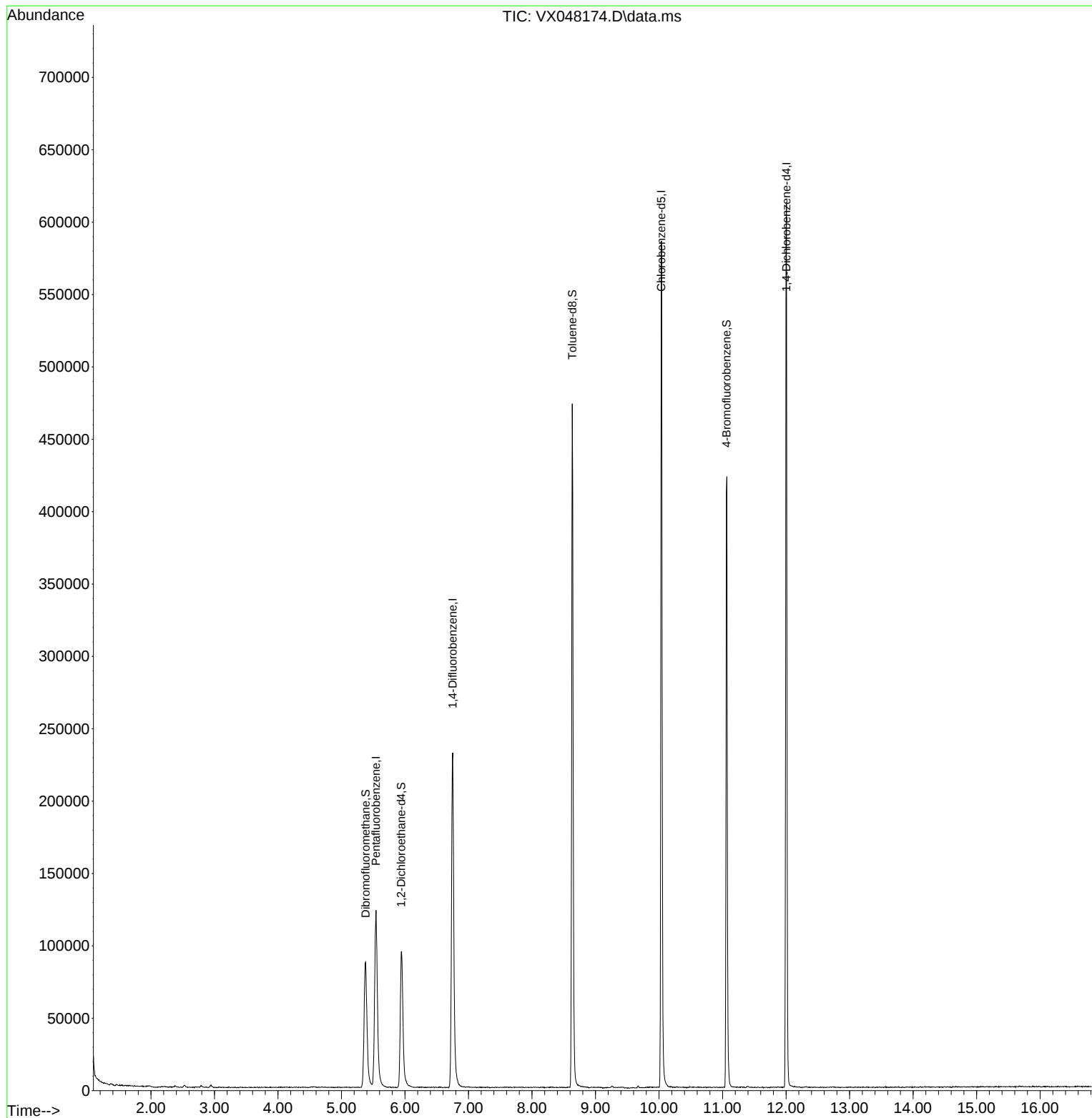
Target Compounds	Qvalue

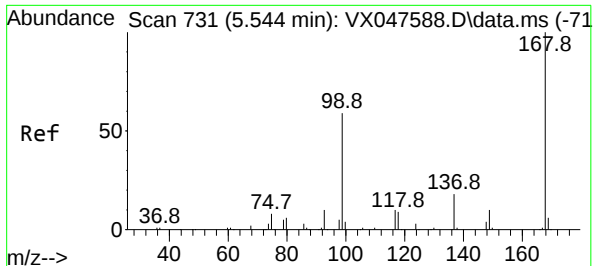
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048174.D
Acq On : 14 Oct 2025 17:57
Operator : JC/MD
Sample : Q3325-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

Quant Time: Oct 15 02:49:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

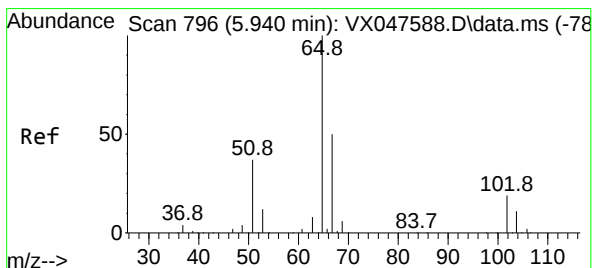
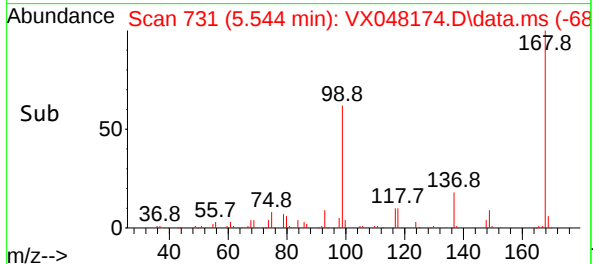
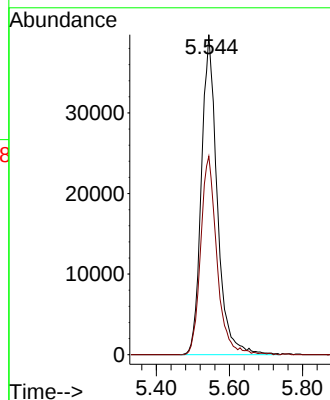
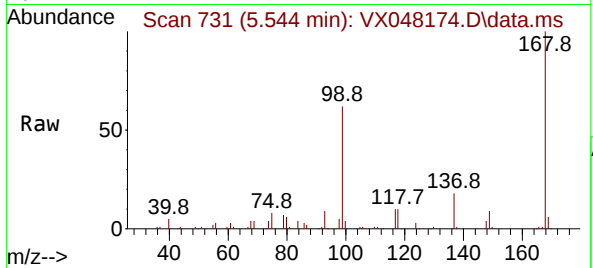




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048174.D
Acq: 14 Oct 2025 17:57

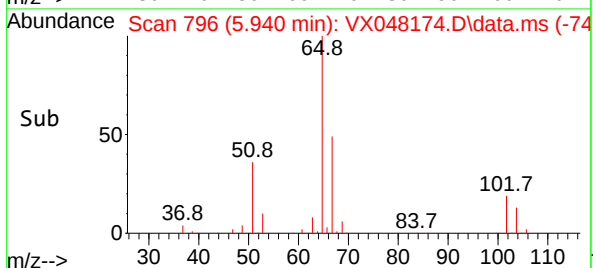
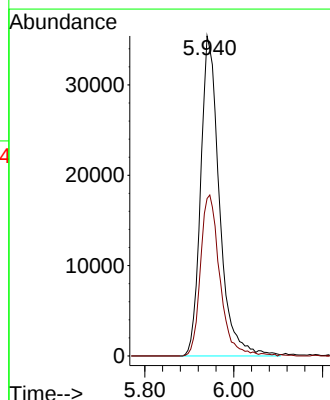
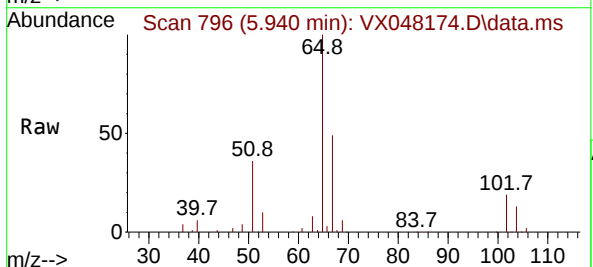
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

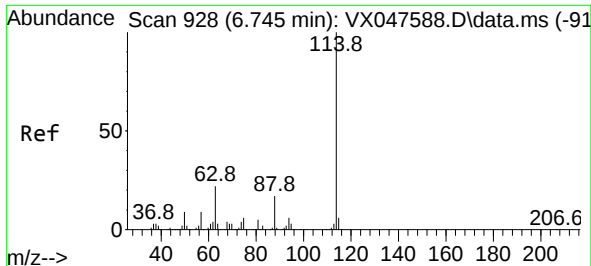
Tgt Ion:168 Resp: 119484
Ion Ratio Lower Upper
168 100
99 62.0 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 54.780 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048174.D
Acq: 14 Oct 2025 17:57

Tgt Ion: 65 Resp: 104185
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0

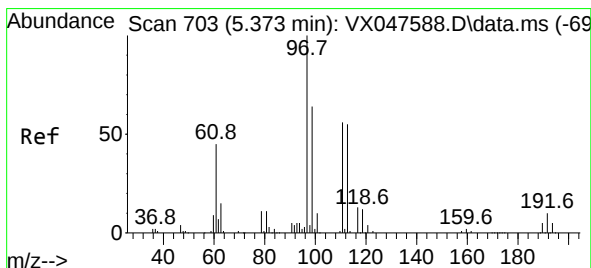
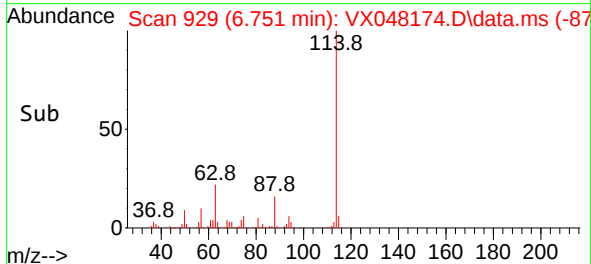
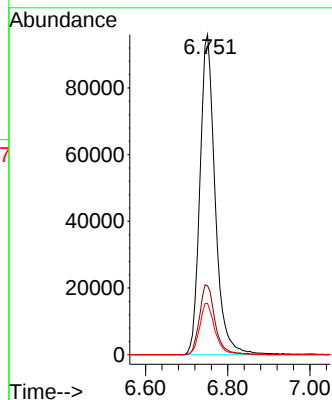
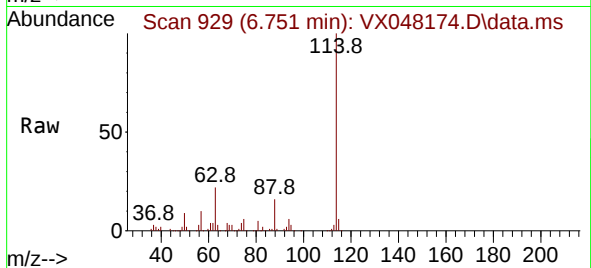




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048174.D
Acq: 14 Oct 2025 17:57

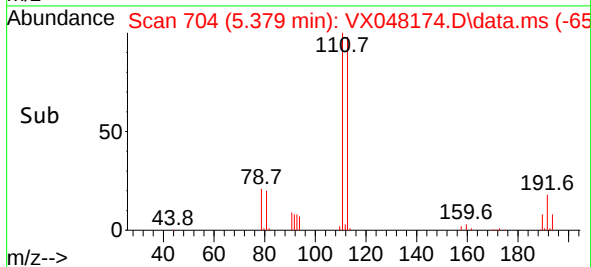
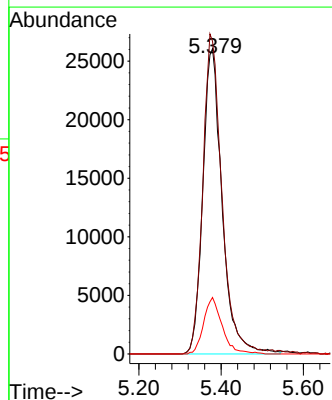
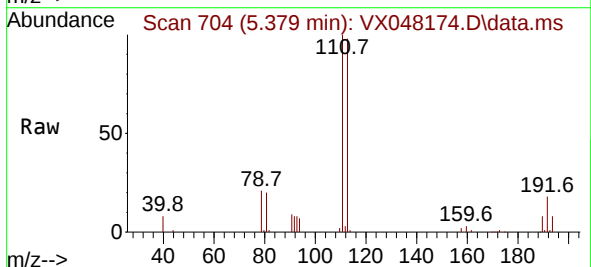
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

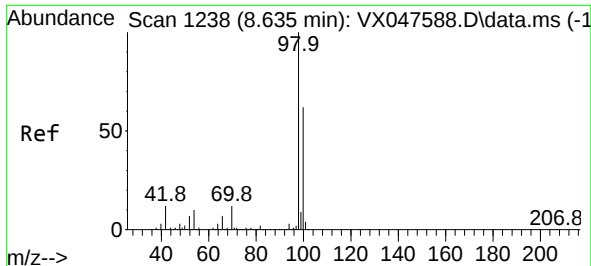
Tgt Ion:114 Resp: 246280
Ion Ratio Lower Upper
114 100
63 21.6 0.0 44.0
88 16.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 51.436 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048174.D
Acq: 14 Oct 2025 17:57

Tgt Ion:113 Resp: 84957
Ion Ratio Lower Upper
113 100
111 103.3 80.9 121.3
192 17.8 14.2 21.4

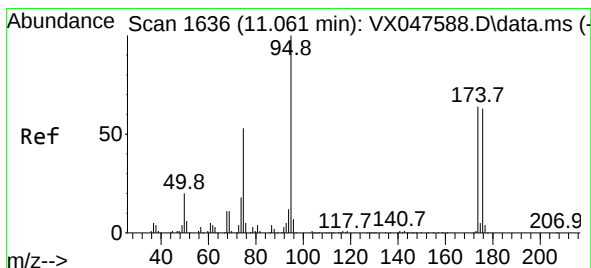
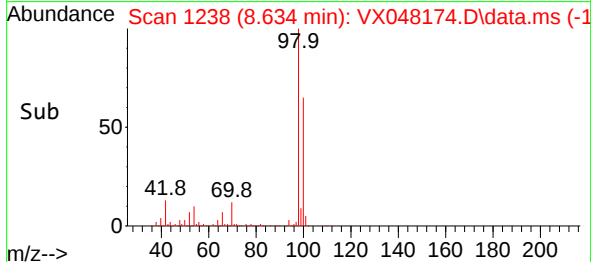
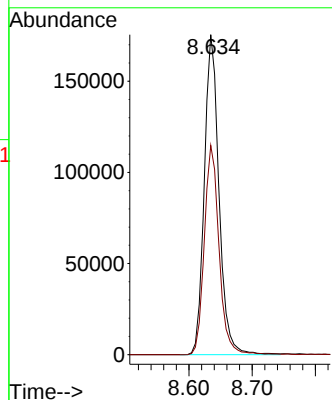
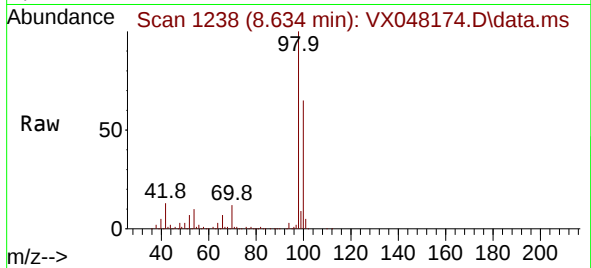




#50
Toluene-d8
Concen: 49.674 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048174.D
Acq: 14 Oct 2025 17:57

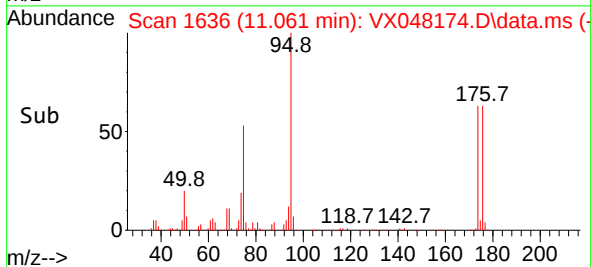
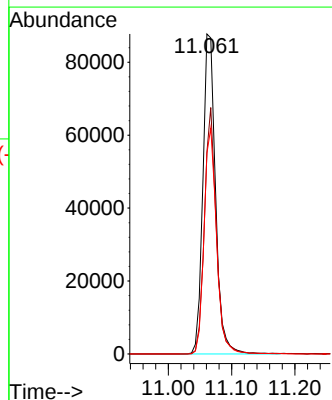
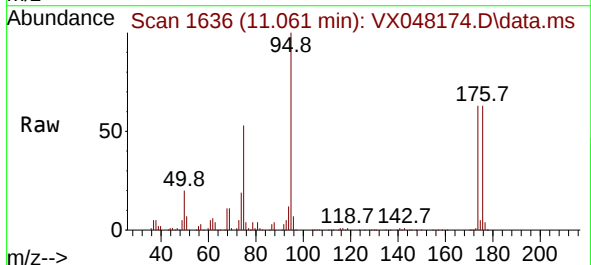
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

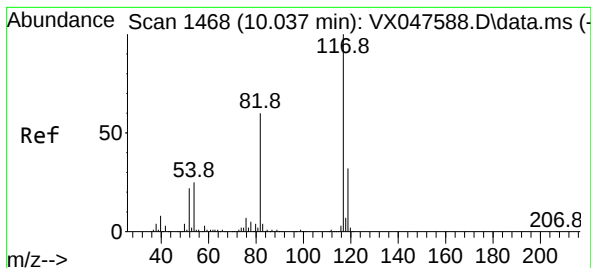
Tgt Ion: 98 Resp: 283894
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 56.515 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048174.D
Acq: 14 Oct 2025 17:57

Tgt Ion: 95 Resp: 122581
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.6
176 69.4 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048174.D

Acq: 14 Oct 2025 17:57

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

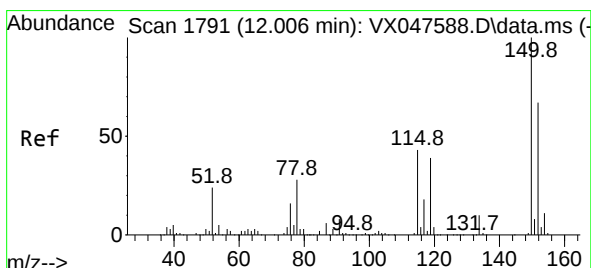
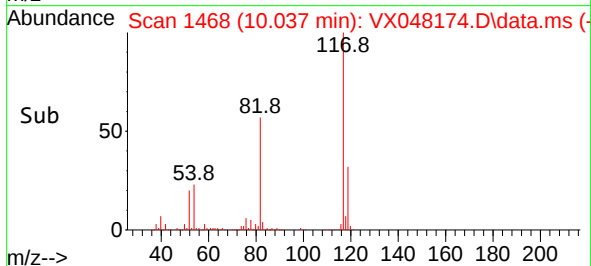
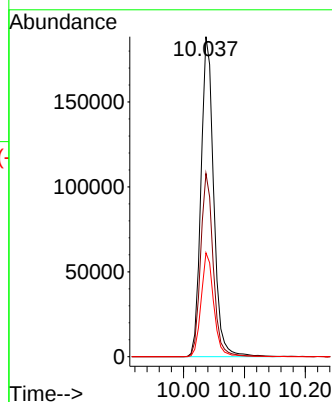
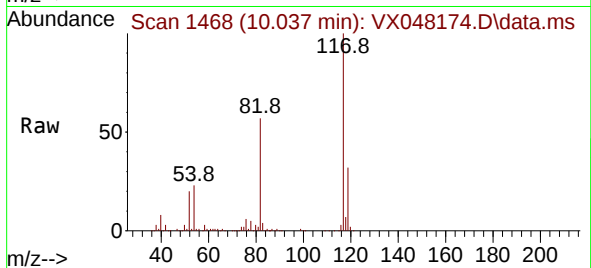
Tgt Ion:117 Resp: 273767

Ion Ratio Lower Upper

117 100

82 57.3 47.8 71.6

119 32.4 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048174.D

Acq: 14 Oct 2025 17:57

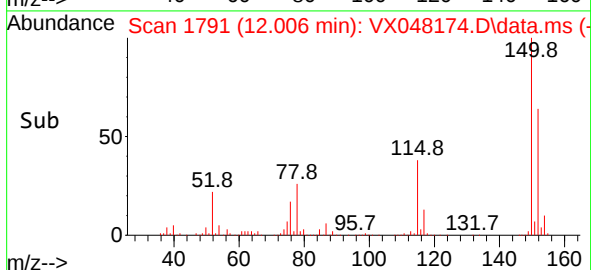
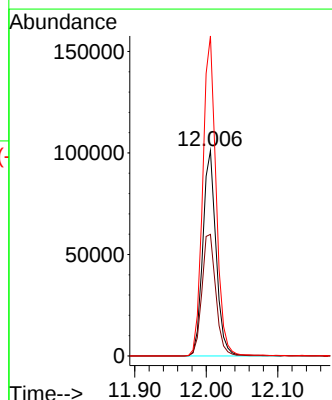
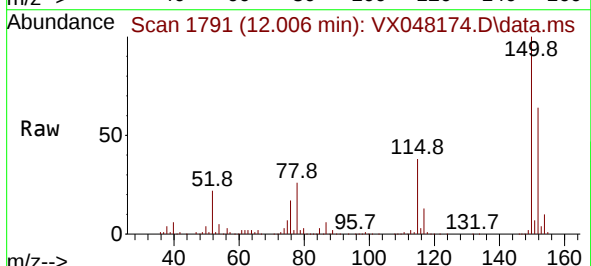
Tgt Ion:152 Resp: 130356

Ion Ratio Lower Upper

152 100

115 62.2 44.9 134.5

150 157.0 0.0 352.0



Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-SAMP
Lab Sample ID: Q3325-10
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

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	10/14/25 18:18	VX101425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	10/14/25 18:18	VX101425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/14/25 18:18	VX101425
141-78-6	Ethyl Acetate	0.31	U	1	0.31	1.00	ug/L	10/14/25 18:18	VX101425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	10/14/25 18:18	VX101425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	10/14/25 18:18	VX101425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	10/14/25 18:18	VX101425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	10/14/25 18:18	VX101425
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	10/14/25 18:18	VX101425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 18:18	VX101425
107-02-8	Acrolein	7.10	U	1	7.10	25.0	ug/L	10/14/25 18:18	VX101425
107-13-1	Acrylonitrile	0.83	U	1	0.83	5.00	ug/L	10/14/25 18:18	VX101425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	10/14/25 18:18	VX101425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	10/14/25 18:18	VX101425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	10/14/25 18:18	VX101425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	10/14/25 18:18	VX101425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	10/14/25 18:18	VX101425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 18:18	VX101425
108-05-4	Vinyl Acetate	0.66	U	1	0.66	5.00	ug/L	10/14/25 18:18	VX101425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	10/14/25 18:18	VX101425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	10/14/25 18:18	VX101425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/14/25 18:18	VX101425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/14/25 18:18	VX101425
594-20-7	2,2-Dichloropropane	0.21	U	1	0.21	1.00	ug/L	10/14/25 18:18	VX101425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	10/14/25 18:18	VX101425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 18:18	VX101425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/14/25 18:18	VX101425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	10/14/25 18:18	VX101425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	10/14/25 18:18	VX101425
563-58-6	1,1-Dichloropropene	0.15	U	1	0.15	1.00	ug/L	10/14/25 18:18	VX101425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 18:18	VX101425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 18:18	VX101425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/14/25 18:18	VX101425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	10/14/25 18:18	VX101425
74-95-3	Dibromomethane	0.25	U	1	0.25	1.00	ug/L	10/14/25 18:18	VX101425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	10/14/25 18:18	VX101425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	10/14/25 18:18	VX101425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	10/14/25 18:18	VX101425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	10/14/25 18:18	VX101425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	10/14/25 18:18	VX101425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	10/14/25 18:18	VX101425
142-28-9	1,3-Dichloropropane	0.19	U	1	0.19	1.00	ug/L	10/14/25 18:18	VX101425
110-75-8	2-Chloroethyl Vinyl ether	0.30	U	1	0.30	5.00	ug/L	10/14/25 18:18	VX101425

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-SAMP
Lab Sample ID: Q3325-10
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	10/14/25 18:18	VX101425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	10/14/25 18:18	VX101425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	10/14/25 18:18	VX101425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/14/25 18:18	VX101425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/14/25 18:18	VX101425
630-20-6	1,1,1,2-Tetrachloroethane	0.19	U	1	0.19	1.00	ug/L	10/14/25 18:18	VX101425
67-72-1	Hexachloroethane	0.32	U	1	0.32	1.00	ug/L	10/14/25 18:18	VX101425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 18:18	VX101425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	10/14/25 18:18	VX101425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	10/14/25 18:18	VX101425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	10/14/25 18:18	VX101425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	10/14/25 18:18	VX101425
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	10/14/25 18:18	VX101425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	10/14/25 18:18	VX101425
96-18-4	1,2,3-Trichloropropane	0.35	U	1	0.35	1.00	ug/L	10/14/25 18:18	VX101425
108-86-1	Bromobenzene	0.24	U	1	0.24	1.00	ug/L	10/14/25 18:18	VX101425
103-65-1	n-propylbenzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 18:18	VX101425
95-49-8	2-Chlorotoluene	0.14	U	1	0.14	1.00	ug/L	10/14/25 18:18	VX101425
108-67-8	1,3,5-Trimethylbenzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 18:18	VX101425
106-43-4	4-Chlorotoluene	0.13	U	1	0.13	1.00	ug/L	10/14/25 18:18	VX101425
98-06-6	tert-Butylbenzene	0.14	U	1	0.14	1.00	ug/L	10/14/25 18:18	VX101425
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	10/14/25 18:18	VX101425
135-98-8	sec-Butylbenzene	0.13	U	1	0.13	1.00	ug/L	10/14/25 18:18	VX101425
99-87-6	p-Isopropyltoluene	0.13	U	1	0.13	1.00	ug/L	10/14/25 18:18	VX101425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/14/25 18:18	VX101425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	10/14/25 18:18	VX101425
104-51-8	n-Butylbenzene	0.15	U	1	0.15	1.00	ug/L	10/14/25 18:18	VX101425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	10/14/25 18:18	VX101425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	10/14/25 18:18	VX101425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/14/25 18:18	VX101425
87-68-3	Hexachlorobutadiene	0.30	U	1	0.30	1.00	ug/L	10/14/25 18:18	VX101425
91-20-3	Naphthalene	0.20	U	1	0.20	1.00	ug/L	10/14/25 18:18	VX101425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	10/14/25 18:18	VX101425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.7			74 - 12	111%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.7			75 - 12	97%	SPK: 50		
2037-26-5	Toluene-d8	47.2			86 - 11	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.7			77 - 12	105%	SPK: 50		
INTERNAL STANDARDS									
363-72-4	Pentafluorobenzene	108000							
540-36-3	1,4-Difluorobenzene	238000							
3114-55-4	Chlorobenzene-d5	241000							
3855-82-1	1,4-Dichlorobenzene-d4	120000							

Report of Analysis

Client: Chemtech Consulting Group
Project: Weekly Storage Blanks
Client Sample ID: STORAGE-BLANK-SAMP
Lab Sample ID: Q3325-10
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/03/25
Date Received: 10/10/25
SDG No.: Q3325
Matrix: Water
% Solid: 0
Test: VOC- Chemtech Full

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048175.D
 Acq On : 14 Oct 2025 18:18
 Operator : JC/MD
 Sample : Q3325-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Oct 15 02:50:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	108327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	238234	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	96046	55.702	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.400%
35) Dibromofluoromethane	5.379	113	77773	48.677	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.360%
50) Toluene-d8	8.635	98	261215	47.249	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.500%
62) 4-Bromofluorobenzene	11.067	95	110503	52.667	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.340%

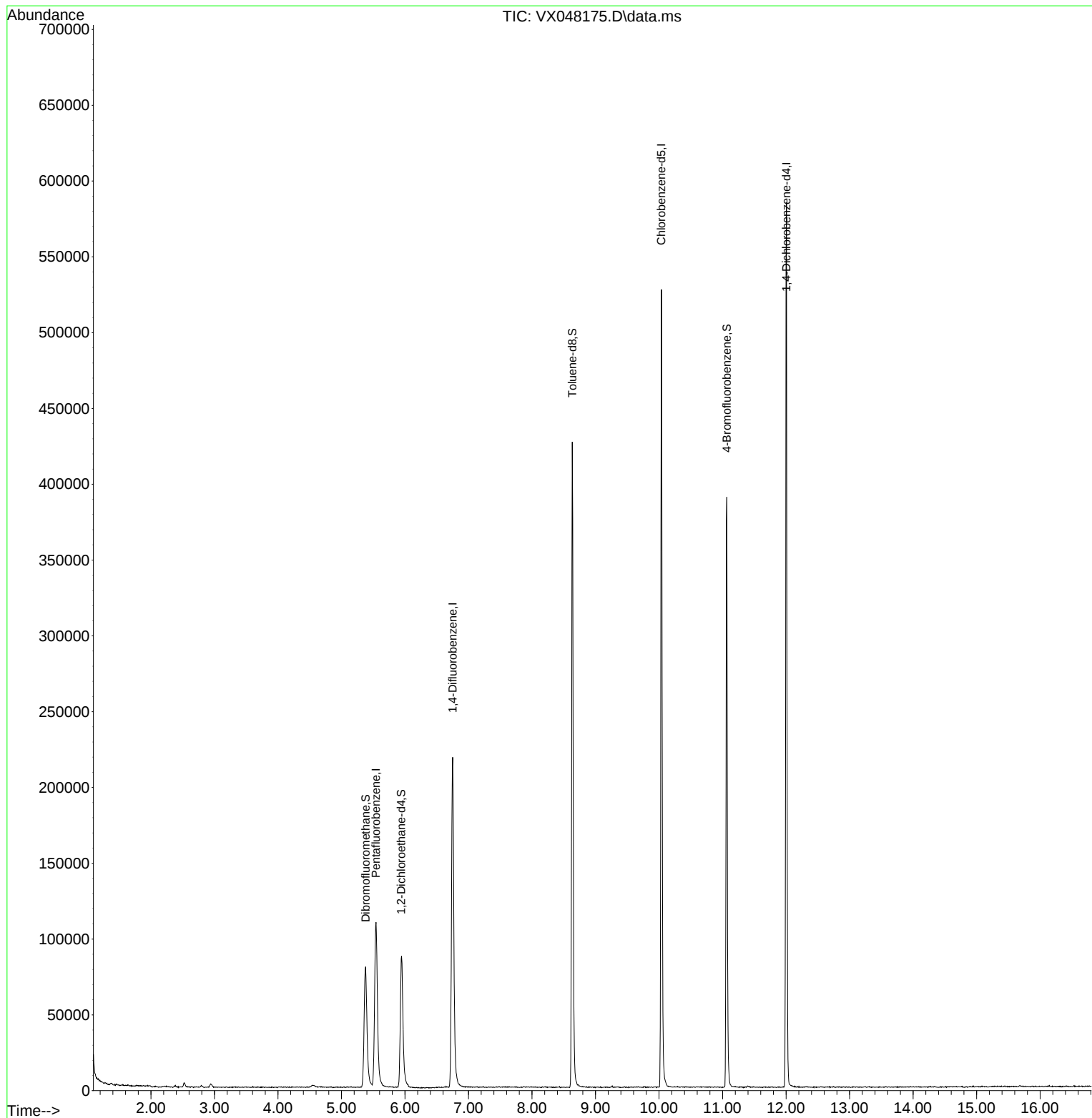
Target Compounds	Qvalue

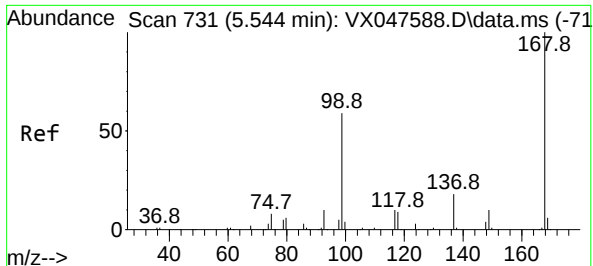
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048175.D
Acq On : 14 Oct 2025 18:18
Operator : JC/MD
Sample : Q3325-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Oct 15 02:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

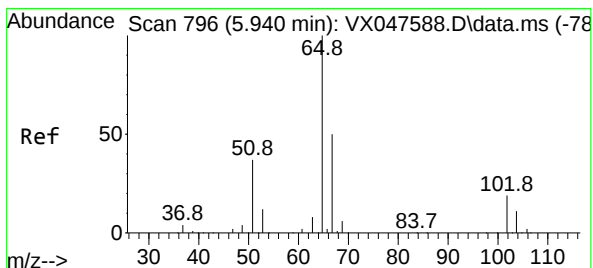
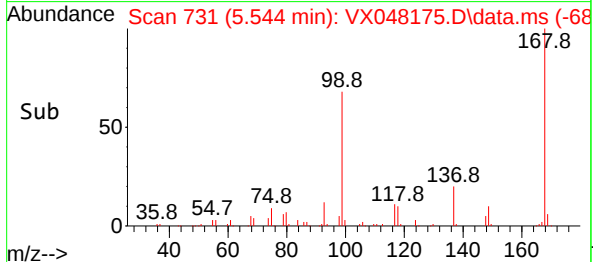
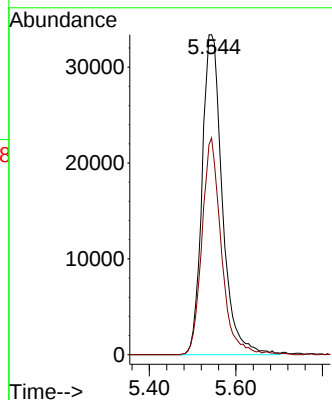
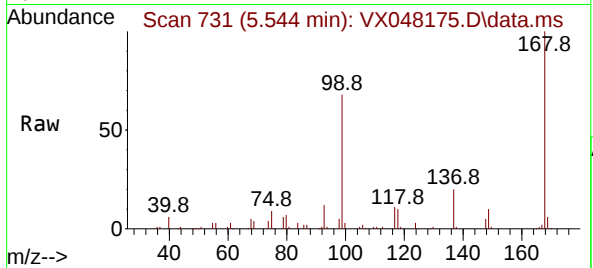




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048175.D
Acq: 14 Oct 2025 18:18

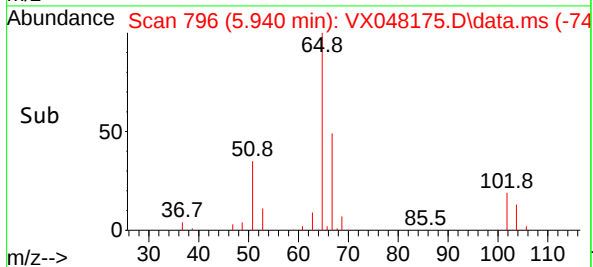
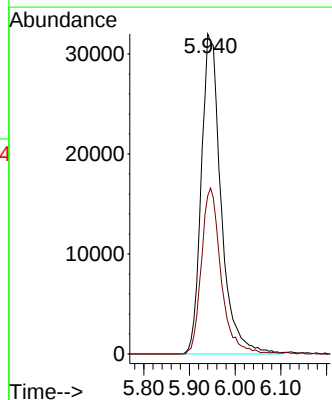
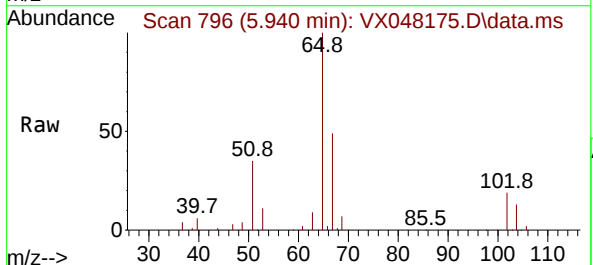
Instrument : MSVOA_X
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

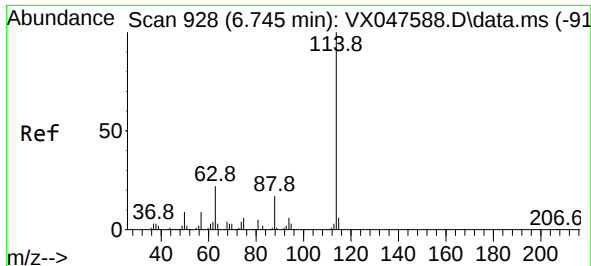
Tgt Ion:168 Resp: 108327
Ion Ratio Lower Upper
168 100
99 67.7 48.8 73.2



#33
1,2-Dichloroethane-d4
Concen: 55.702 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048175.D
Acq: 14 Oct 2025 18:18

Tgt Ion: 65 Resp: 96046
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.0

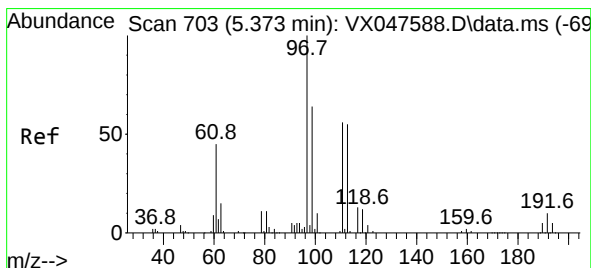
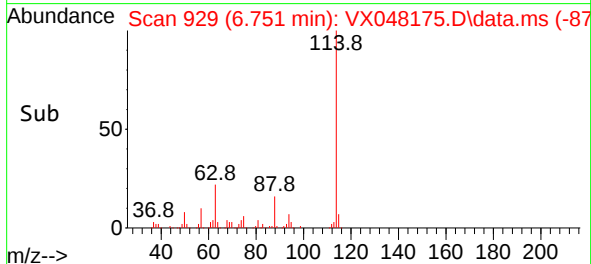
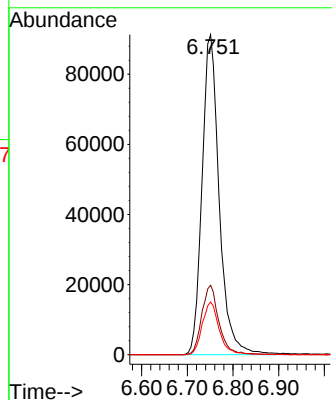
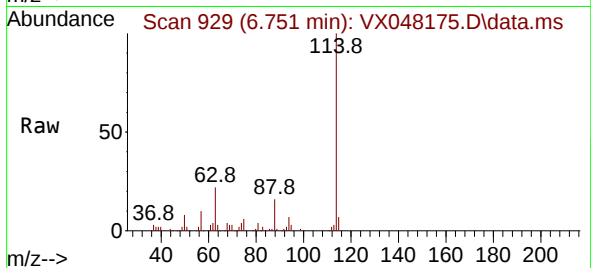




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048175.D
Acq: 14 Oct 2025 18:18

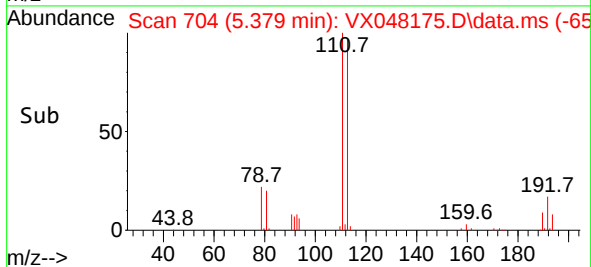
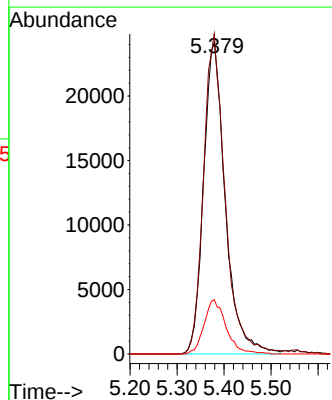
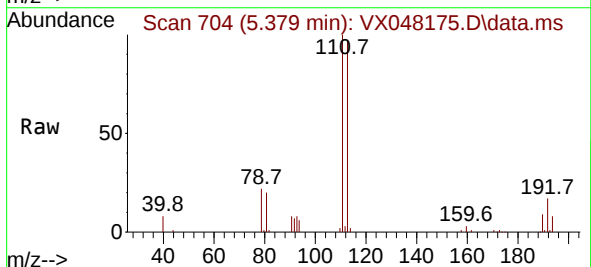
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

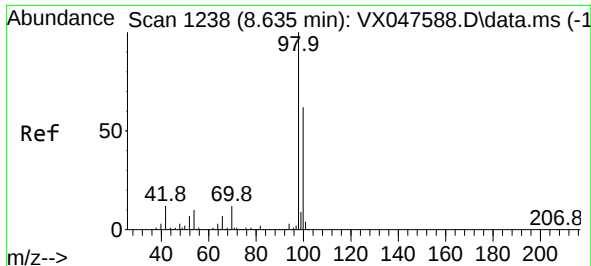
Tgt Ion:114 Resp: 238234
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.0
88 16.5 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.677 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048175.D
Acq: 14 Oct 2025 18:18

Tgt Ion:113 Resp: 77773
Ion Ratio Lower Upper
113 100
111 102.1 80.9 121.3
192 17.6 14.2 21.4

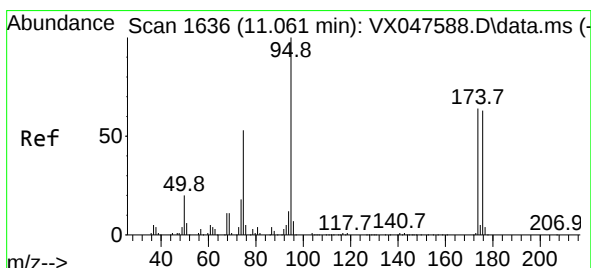
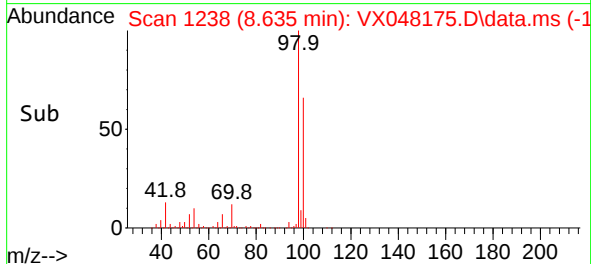
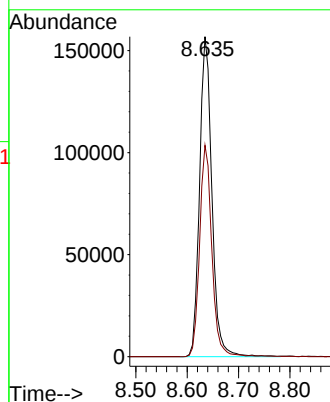
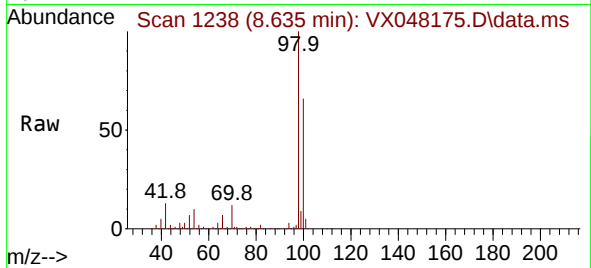




#50
Toluene-d8
Concen: 47.249 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048175.D
Acq: 14 Oct 2025 18:18

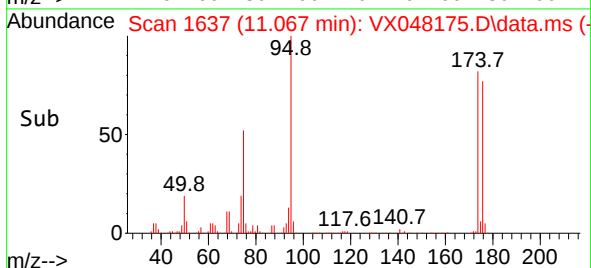
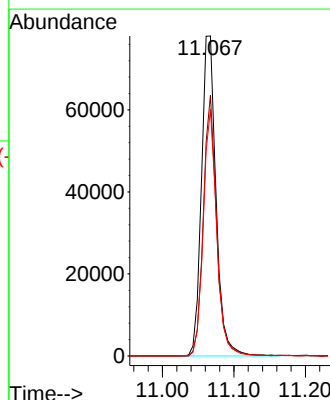
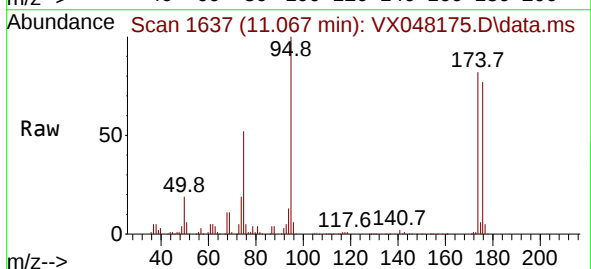
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

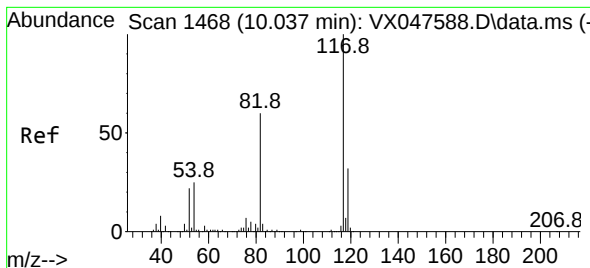
Tgt Ion: 98 Resp: 261215
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 52.667 ug/l
RT: 11.067 min Scan# 1637
Delta R.T. 0.006 min
Lab File: VX048175.D
Acq: 14 Oct 2025 18:18

Tgt Ion: 95 Resp: 110503
Ion Ratio Lower Upper
95 100
174 74.3 0.0 141.6
176 71.1 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048175.D

Acq: 14 Oct 2025 18:18

Instrument :

MSVOA_X

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

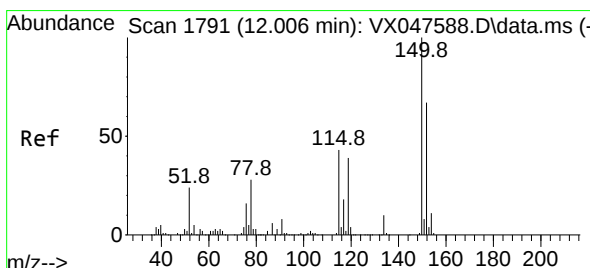
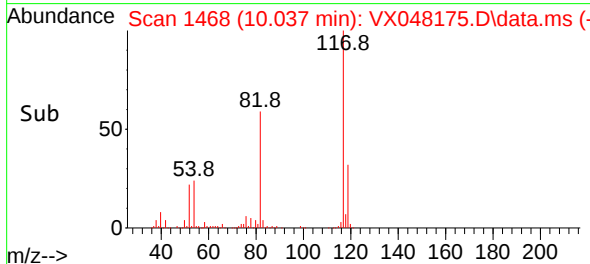
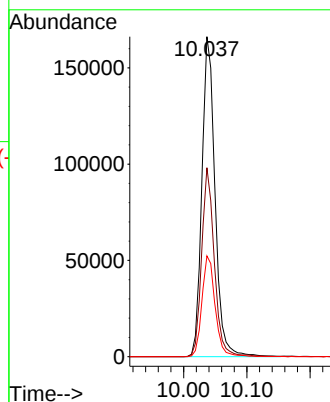
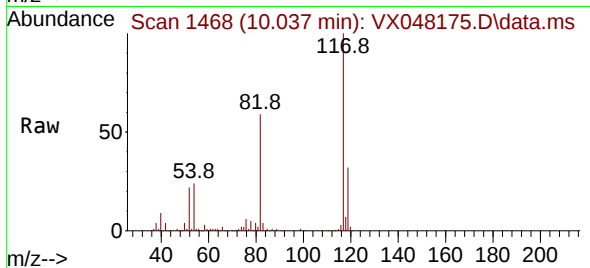
Tgt Ion:117 Resp: 241054

Ion Ratio Lower Upper

117 100

82 59.1 47.8 71.6

119 31.5 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048175.D

Acq: 14 Oct 2025 18:18

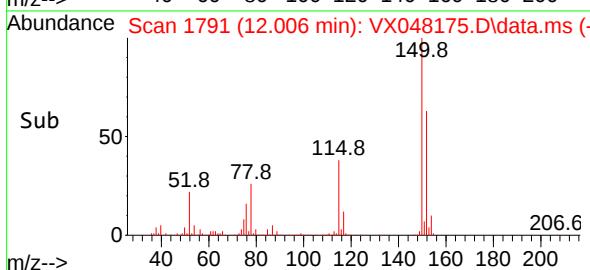
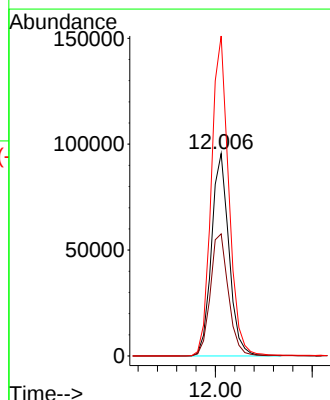
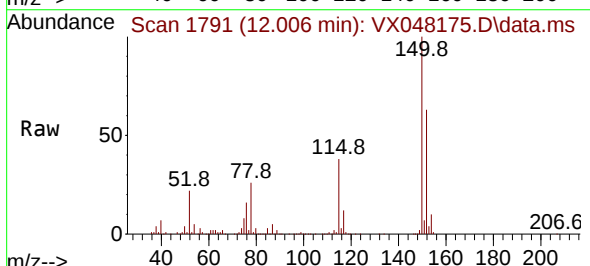
Tgt Ion:152 Resp: 120017

Ion Ratio Lower Upper

152 100

115 62.6 44.9 134.5

150 158.5 0.0 352.0





CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>CHEM02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3325</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:23</u> <u>12:01</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VX047585.D		RRF005 = VX047586.D		RRF020 = VX047587.D		
		RRF050 = VX047588.D		RRF100 = VX047589.D		RRF150 = VX047590.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10
Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.9
Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.9
Ethyl Acetate	0.429	0.561	0.554	0.532	0.533	0.539	0.525	9.2
Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15
Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.4
Trichlorofluoromethane	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.5
1,1,2-Trichlorotrifluoroethane	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.2
Tert butyl alcohol		0.085	0.086	0.089	0.090	0.094	0.089	4.2
1,1-Dichloroethene	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.7
Acrolein		0.071	0.069	0.082	0.089	0.097	0.082	14.6
Acrylonitrile	0.264	0.329	0.343	0.347	0.343	0.344	0.328	9.8
Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.7
Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.8
Methyl tert-butyl Ether	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.5
Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.4
Methylene Chloride	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.5
trans-1,2-Dichloroethene	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.3
Vinyl Acetate	1.541	1.937	2.020	1.992	1.958	1.961	1.901	9.4
1,1-Dichloroethane	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.8
Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.1
2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	9
Carbon Tetrachloride	0.482	0.574	0.555	0.539	0.526	0.518	0.532	6
2,2-Dichloropropane	0.945	1.096	1.074	1.068	1.055	1.060	1.050	5.1
cis-1,2-Dichloroethene	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.4
Bromochloromethane	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.2
Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.7
1,1,1-Trichloroethane	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.3
Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.6
1,1-Dichloropropene	0.484	0.520	0.508	0.487	0.471	0.469	0.490	4.2

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>CHEM02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3325</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:23</u> <u>12:01</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VX047585.D		RRF005 = VX047586.D		RRF020 = VX047587.D		
		RRF050 = VX047588.D		RRF100 = VX047589.D		RRF150 = VX047590.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
1,2-Dichloroethane	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.8
Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.9
1,2-Dichloropropane	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.4
Dibromomethane	0.248	0.285	0.289	0.288	0.276	0.277	0.277	5.5
Bromodichloromethane	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.7
4-Methyl-2-Pentanone	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.3
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2
t-1,3-Dichloropropene	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.3
cis-1,3-Dichloropropene	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.7
1,1,2-Trichloroethane	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.1
1,3-Dichloropropane	0.507	0.648	0.636	0.638	0.607	0.609	0.607	8.5
2-Chloroethyl Vinyl ether	0.094	0.212	0.210	0.272	0.280	0.292	0.227	32.7
2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.8
Dibromochloromethane	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.5
1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.1
Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6
Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.2
1,1,1,2-Tetrachloroethane	0.327	0.404	0.402	0.414	0.404	0.402	0.392	8.3
Hexachloroethane	0.434	0.565	0.574	0.593	0.606	0.614	0.564	11.8
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.7
Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.4
Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.9
1,1,2,2-Tetrachloroethane	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.2
1,2,3-Trichloropropane	0.847	1.023	1.073	1.128	0.939	1.064	1.012	10.1
Bromobenzene	0.760	0.964	0.992	0.988	0.960	0.954	0.936	9.4
n-propylbenzene	3.680	4.667	4.739	4.792	4.581	4.504	4.494	9.2

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>CHEM02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3325</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:23</u> <u>12:01</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VX047585.D		RRF005 = VX047586.D		RRF020 = VX047587.D		
		RRF050 = VX047588.D		RRF100 = VX047589.D		RRF150 = VX047590.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
2-Chlorotoluene	2.276	2.859	2.935	2.915	2.798	2.730	2.752	8.9
1,3,5-Trimethylbenzene	2.458	3.235	3.311	3.343	3.221	3.171	3.123	10.6
4-Chlorotoluene	2.754	3.347	3.410	3.433	3.285	3.275	3.251	7.7
tert-Butylbenzene	2.800	3.223	3.346	3.359	3.240	3.215	3.197	6.4
1,2,4-Trimethylbenzene	2.522	3.302	3.381	3.344	3.234	3.216	3.166	10.2
sec-Butylbenzene	3.110	4.001	3.945	4.028	3.867	3.834	3.797	9.1
p-Isopropyltoluene	2.660	3.372	3.371	3.419	3.263	3.205	3.215	8.8
1,3-Dichlorobenzene	1.462	1.800	1.829	1.817	1.768	1.758	1.739	8
1,4-Dichlorobenzene	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.5
n-Butylbenzene	2.429	3.070	3.114	3.139	3.098	2.999	2.975	9.1
1,2-Dichlorobenzene	1.359	1.691	1.757	1.746	1.696	1.692	1.657	9
1,2-Dibromo-3-Chloropropane	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.1
1,2,4-Trichlorobenzene	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.3
Hexachlorobutadiene	0.341	0.377	0.361	0.384	0.377	0.354	0.366	4.5
Naphthalene	2.503	3.153	3.410	3.539	3.496	3.571	3.279	12.5
1,2,3-Trichlorobenzene	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.7
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X091625W.M
 Title : SW846 8260
 Last Update : Wed Sep 17 06:39:58 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX047585.D 5 =VX047586.D 20 =VX047587.D 50 =VX047588.D 100 =VX047589.D 150 =VX047590.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.447	0.575	0.582	0.501	0.510	0.492	0.518	10.01
3) P	Chloromethane	0.610	0.749	0.739	0.661	0.677	0.647	0.680	7.92
4) C	Vinyl Chloride	0.572	0.713	0.716	0.661	0.677	0.658	0.666	7.87#
5) T	Bromomethane		0.493	0.451	0.424	0.423	0.321	0.422	15.01
6) T	Chloroethane	0.433	0.450	0.469	0.443	0.450	0.426	0.445	3.36
7) T	Trichlorofluor...	0.865	1.033	1.038	0.995	1.018	0.986	0.989	6.49
8) T	Diethyl Ether	0.372	0.405	0.413	0.409	0.420	0.409	0.405	4.17
9) T	1,1,2-Trichlor...	0.519	0.591	0.603	0.583	0.590	0.583	0.578	5.21
10) T	Methyl Iodide		0.865	0.922	0.911	0.925	0.886	0.902	2.85
11) T	Tert butyl alc...		0.085	0.086	0.089	0.090	0.094	0.089	4.18
12) CM	1,1-Dichloroet...	0.526	0.612	0.618	0.604	0.609	0.596	0.594	5.71#
13) T	Acrolein		0.071	0.069	0.082	0.089	0.097	0.082	14.59
14) T	Allyl chloride	1.194	1.267	1.249	1.211	1.226	1.207	1.226	2.25
15) T	Acrylonitrile	0.264	0.329	0.343	0.347	0.343	0.344	0.328	9.82
16) T	Acetone	0.343	0.416	0.400	0.317	0.302	0.299	0.346	14.67
17) T	Carbon Disulfide	1.555	1.735	1.758	1.566	1.589	1.555	1.626	5.80
18) T	Methyl Acetate	0.612	0.673	0.714	0.876	0.865	0.881	0.770	15.39
19) T	Methyl tert-bu...	1.884	2.238	2.221	2.247	2.212	2.209	2.169	6.47
20) T	Methylene Chlo...	0.718	0.772	0.754	0.730	0.716	0.705	0.732	3.45
21) T	trans-1,2-Dich...	0.543	0.703	0.665	0.649	0.643	0.635	0.640	8.28
22) T	Diisopropyl ether	1.976	2.531	2.487	2.477	2.398	2.384	2.376	8.56
23) T	Vinyl Acetate	1.541	1.937	2.020	1.992	1.958	1.961	1.901	9.41
24) P	1,1-Dichloroet...	1.090	1.325	1.299	1.297	1.287	1.278	1.263	6.81
25) T	2-Butanone	0.370	0.470	0.473	0.439	0.414	0.424	0.432	8.98
26) T	2,2-Dichloropr...	0.945	1.096	1.074	1.068	1.055	1.060	1.050	5.06
27) T	cis-1,2-Dichlo...	0.698	0.806	0.803	0.808	0.787	0.797	0.783	5.41
28) T	Bromochloromet...	0.457	0.607	0.450	0.577	0.587	0.630	0.551	14.18
29) T	Tetrahydrofuran	0.211	0.269	0.272	0.275	0.262	0.268	0.260	9.24
30) C	Chloroform	1.034	1.364	1.366	1.323	1.282	1.288	1.276	9.72#
31) T	Cyclohexane		1.161	1.092	1.030	0.984	0.993	1.052	7.08
32) T	1,1,1-Trichlor...	0.901	1.123	1.141	1.127	1.100	1.103	1.082	8.33
33) S	1,2-Dichloroet...		0.884	0.647	0.770	0.815	0.863	0.796	11.82
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.356	0.266	0.331	0.355	0.368	0.335	12.25
36) T	1,1-Dichloropr...	0.484	0.520	0.508	0.487	0.471	0.469	0.490	4.15
37) T	Ethyl Acetate	0.429	0.561	0.554	0.532	0.533	0.539	0.525	9.21
38) T	Carbon Tetrach...	0.482	0.574	0.555	0.539	0.526	0.518	0.532	5.99
39) T	Methylcyclohexane	0.490	0.589	0.591	0.565	0.548	0.554	0.556	6.60
40) TM	Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.11
41) T	Methacrylonitrile	0.236	0.264	0.286	0.286	0.282	0.271	0.271	7.13
42) TM	1,2-Dichloroet...	0.513	0.595	0.600	0.582	0.554	0.553	0.566	5.76
43) T	Isopropyl Acetate	0.751	0.882	0.889	0.897	0.865	0.879	0.860	6.34
44) TM	Trichloroethene	0.296	0.382	0.382	0.370	0.364	0.363	0.360	8.92
45) C	1,2-Dichloropr...	0.326	0.403	0.394	0.397	0.382	0.384	0.381	7.37#
46) T	Dibromomethane	0.248	0.285	0.289	0.288	0.276	0.277	0.277	5.54
47) T	Bromodichlorom...	0.461	0.599	0.601	0.607	0.579	0.586	0.572	9.65
48) T	Methyl methacr...	0.372	0.421	0.447	0.449	0.436	0.446	0.429	6.97
49) T	1,4-Dioxane	0.003	0.004	0.004	0.005	0.005	0.005	0.004	19.43
50) S	Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.10
51) T	4-Methyl-2-Pen...	0.390	0.493	0.503	0.511	0.479	0.487	0.477	9.28
52) CM	Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.22#
53) T	t-1,3-Dichloro...	0.487	0.588	0.602	0.619	0.595	0.611	0.584	8.33
54) T	cis-1,3-Dichlo...	0.513	0.652	0.644	0.653	0.637	0.644	0.624	8.74
55) T	1,1,2-Trichlor...	0.323	0.365	0.371	0.367	0.344	0.351	0.354	5.10
56) T	Ethyl methacry...	0.407	0.563	0.587	0.599	0.580	0.595	0.555	13.25

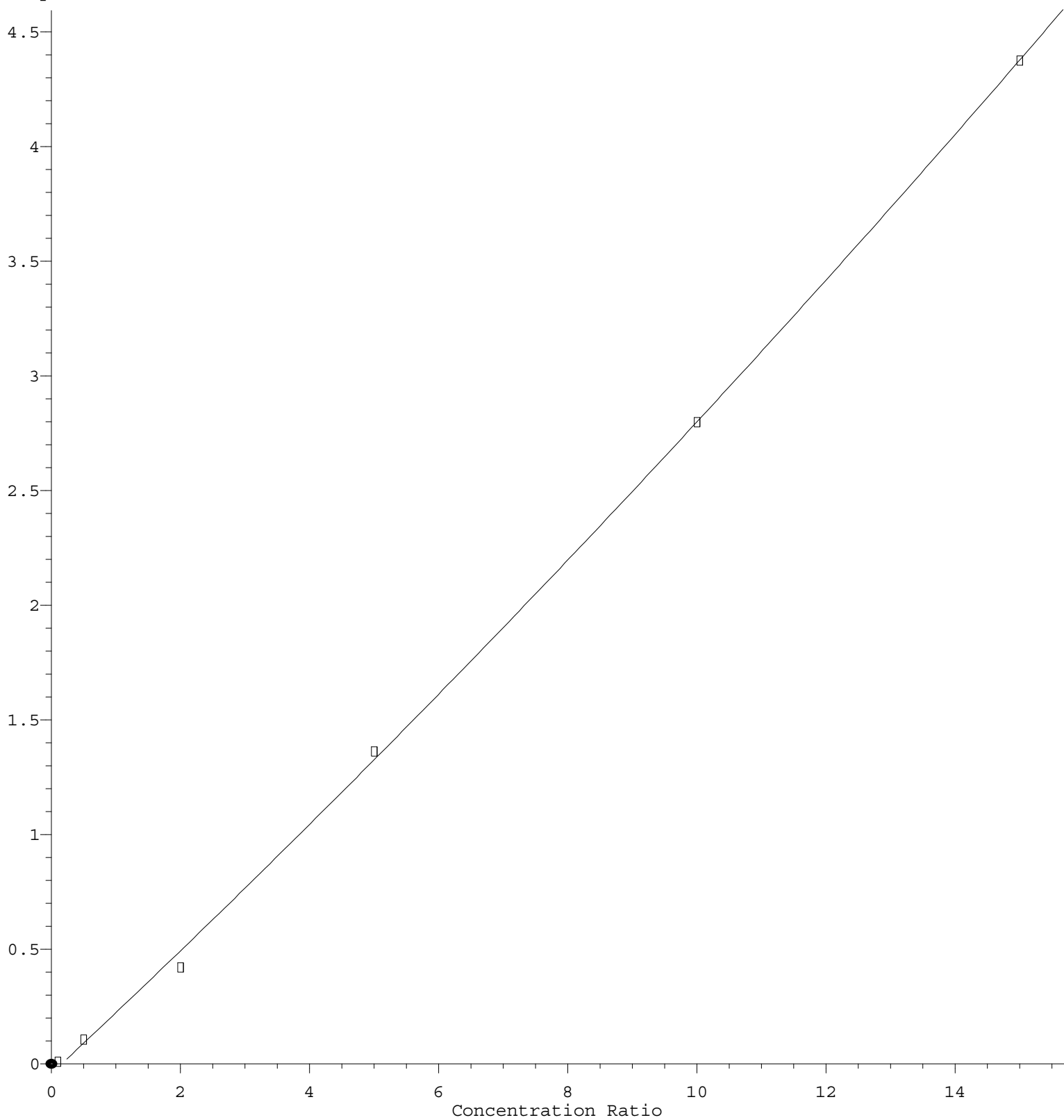
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X091625W.M

57)	T	1,3-Dichloropr...	0.507	0.648	0.636	0.638	0.607	0.609	0.607	8.51
58)	T	2-Chloroethyl ...	0.094	0.212	0.210	0.272	0.280	0.292	0.227	32.65
59)	T	2-Hexanone	0.274	0.374	0.372	0.360	0.333	0.343	0.343	10.82
60)	T	Dibromochlorom...	0.321	0.414	0.431	0.435	0.421	0.422	0.407	10.49
61)	T	1,2-Dibromoethane	0.287	0.379	0.384	0.379	0.364	0.367	0.360	10.10
62)	S	4-Bromofluorob...		0.478	0.360	0.427	0.452	0.484	0.440	11.42
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.299	0.354	0.342	0.326	0.320	0.314	0.326	6.03
65)	PM	Chlorobenzene	0.998	1.182	1.177	1.178	1.139	1.142	1.136	6.18
66)	T	1,1,1,2-Tetrac...	0.327	0.404	0.402	0.414	0.404	0.402	0.392	8.26
67)	C	Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.57#
68)	T	m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.77
69)	T	o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.13
70)	T	Styrene	1.019	1.288	1.290	1.299	1.257	1.265	1.236	8.70
71)	P	Bromoform	0.221	0.293	0.301	0.313	0.312	0.317	0.293	12.37
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.124	3.907	3.986	4.047	3.907	3.839	3.801	8.94
74)	T	N-amyl acetate	1.277	1.726	1.851	1.862	1.834	1.850	1.733	13.21
75)	P	1,1,2,2-Tetrac...	0.965	1.182	1.203	1.225	1.152	1.173	1.150	8.16
76)	T	1,2,3-Trichlor...	0.847	1.023	1.073	1.128	0.939	1.064	1.012	10.13
77)	T	Bromobenzene	0.760	0.964	0.992	0.988	0.960	0.954	0.936	9.38
78)	T	n-propylbenzene	3.680	4.667	4.739	4.792	4.581	4.504	4.494	9.17
79)	T	2-Chlorotoluene	2.276	2.859	2.935	2.915	2.798	2.730	2.752	8.91
80)	T	1,3,5-Trimethy...	2.458	3.235	3.311	3.343	3.221	3.171	3.123	10.62
81)	T	trans-1,4-Dich...		0.347	0.381	0.414	0.420	0.424	0.397	8.31
82)	T	4-Chlorotoluene	2.754	3.347	3.410	3.433	3.285	3.275	3.251	7.74
83)	T	tert-Butylbenzene	2.800	3.223	3.346	3.359	3.240	3.215	3.197	6.39
84)	T	1,2,4-Trimethy...	2.522	3.302	3.381	3.344	3.234	3.216	3.166	10.17
85)	T	sec-Butylbenzene	3.110	4.001	3.945	4.028	3.867	3.834	3.797	9.09
86)	T	p-Isopropyltol...	2.660	3.372	3.371	3.419	3.263	3.205	3.215	8.81
87)	T	1,3-Dichlorobe...	1.462	1.800	1.829	1.817	1.768	1.758	1.739	7.95
88)	T	1,4-Dichlorobe...	1.570	1.890	1.868	1.832	1.767	1.783	1.785	6.47
89)	T	n-Butylbenzene	2.429	3.070	3.114	3.139	3.098	2.999	2.975	9.14
90)	T	Hexachloroethane	0.434	0.565	0.574	0.593	0.606	0.614	0.564	11.81
91)	T	1,2-Dichlorobe...	1.359	1.691	1.757	1.746	1.696	1.692	1.657	8.97
92)	T	1,2-Dibromo-3-...	0.173	0.218	0.242	0.254	0.250	0.260	0.233	14.07
93)	T	1,2,4-Trichlor...	0.831	1.099	1.107	1.156	1.140	1.126	1.077	11.34
94)	T	Hexachlorobuta...	0.341	0.377	0.361	0.384	0.377	0.354	0.366	4.51
95)	T	Naphthalene	2.503	3.153	3.410	3.539	3.496	3.571	3.279	12.46
96)	T	1,2,3-Trichlor...	0.753	0.986	1.031	1.088	1.078	1.073	1.002	12.72

(#) = Out of Range

2-Chloroethyl Vinyl ether

Response Ratio



$R = 2.100e-003 A^2 + 2.631e-001 A - 4.158e-002$
Coef of Det (r^2) = 0.999517 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X091625W.M
Calibration Table Last Updated: Wed Sep 17 06:39:58 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047585.D
 Acq On : 16 Sep 2025 09:23
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Sep 17 06:09:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	246348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	451502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	410953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201976	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	1.179	85	2201	0.863	ug/l	96
3) Chloromethane	1.300	50	3006	0.897	ug/l #	82
4) Vinyl Chloride	1.386	62	2818	0.859	ug/l	95
6) Chloroethane	1.697	64	2134	0.973	ug/l	95
7) Trichlorofluoromethane	1.898	101	4261	0.874	ug/l	88
8) Diethyl Ether	2.130	74	1831	0.919	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	2555	0.897	ug/l	93
12) 1,1-Dichloroethene	2.325	96	2594	0.886	ug/l #	80
14) Allyl chloride	2.666	41	5885	0.974	ug/l	94
15) Acrylonitrile	3.062	53	6500	4.018	ug/l	97
16) Acetone	2.380	43	8444	4.953	ug/l	99
17) Carbon Disulfide	2.520	76	7662	0.956	ug/l #	91
18) Methyl Acetate	2.703	43	3013	0.794	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	9281	0.869	ug/l #	89
20) Methylene Chloride	2.788	84	3540	0.981	ug/l	93
21) trans-1,2-Dichloroethene	3.099	96	2676	0.849	ug/l	95
22) Diisopropyl ether	3.751	45	9738	0.832	ug/l #	87
23) Vinyl Acetate	3.715	43	37962	4.052	ug/l	97
24) 1,1-Dichloroethane	3.611	63	5372	0.863	ug/l	95
25) 2-Butanone	4.550	43	9105	4.281	ug/l #	83
26) 2,2-Dichloropropane	4.477	77	4657	0.901	ug/l	77
27) cis-1,2-Dichloroethene	4.477	96	3440	0.891	ug/l	96
28) Bromochloromethane	4.879	49	2251	0.829	ug/l #	93
29) Tetrahydrofuran	4.995	42	5210	4.072	ug/l	98
30) Chloroform	5.074	83	5093	0.810	ug/l	86
32) 1,1,1-Trichloroethane	5.373	97	4439	0.832	ug/l #	47
36) 1,1-Dichloropropene	5.672	75	4373	0.988	ug/l #	69
37) Ethyl Acetate	4.702	43	3873	0.818	ug/l #	91
38) Carbon Tetrachloride	5.659	117	4349	0.905	ug/l	95
39) Methylcyclohexane	7.360	83	4428	0.882	ug/l	94
40) Benzene	6.025	78	12012	0.894	ug/l	98
41) Methacrylonitrile	4.903	41	2128	0.870	ug/l #	63
42) 1,2-Dichloroethane	6.062	62	4634	0.906	ug/l	80
43) Isopropyl Acetate	6.318	43	6784	0.873	ug/l	94
44) Trichloroethene	7.110	130	2677	0.824	ug/l	78
45) 1,2-Dichloropropane	7.415	63	2945	0.856	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047585.D
 Acq On : 16 Sep 2025 09:23
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Sep 17 06:09:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.574	93	2240	0.895	ug/l	94
47) Bromodichloromethane	7.805	83	4167	0.806	ug/l #	92
48) Methyl methacrylate	7.683	41	3355	0.867	ug/l #	87
49) 1,4-Dioxane	7.653	88	488m	12.477	ug/l	
51) 4-Methyl-2-Pentanone	8.555	43	17596	4.085	ug/l	95
52) Toluene	8.708	92	7595	0.917	ug/l	92
53) t-1,3-Dichloropropene	8.964	75	4398	0.834	ug/l #	82
54) cis-1,3-Dichloropropene	8.354	75	4635	0.823	ug/l #	76
55) 1,1,2-Trichloroethane	9.134	97	2918	0.914	ug/l	95
56) Ethyl methacrylate	9.104	69	3679	0.734	ug/l #	84
57) 1,3-Dichloropropane	9.293	76	4580	0.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	4222	9.665	ug/l	99
59) 2-Hexanone	9.415	43	12385	4.003	ug/l	98
60) Dibromochloromethane	9.506	129	2903	0.789	ug/l	87
61) 1,2-Dibromoethane	9.592	107	2596	0.798	ug/l	96
64) Tetrachloroethene	9.256	164	2457	0.917	ug/l	83
65) Chlorobenzene	10.061	112	8202	0.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.140	131	2684	0.833	ug/l #	66
67) Ethyl Benzene	10.177	91	13360	0.829	ug/l	98
68) m/p-Xylenes	10.287	106	9922	1.655	ug/l	99
69) o-Xylene	10.622	106	4734	0.816	ug/l	94
70) Styrene	10.640	104	8377	0.824	ug/l	96
71) Bromoform	10.787	173	1816	0.755	ug/l #	94
73) Isopropylbenzene	10.945	105	12618	0.822	ug/l	96
74) N-amyl acetate	10.829	43	5159	0.737	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	3900	0.839	ug/l	96
76) 1,2,3-Trichloropropane	11.225	75	3421m	0.816	ug/l	
77) Bromobenzene	11.183	156	3069	0.811	ug/l	98
78) n-propylbenzene	11.286	91	14866	0.819	ug/l	99
79) 2-Chlorotoluene	11.347	91	9195	0.827	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	9929	0.787	ug/l	99
82) 4-Chlorotoluene	11.439	91	11123	0.847	ug/l	95
83) tert-Butylbenzene	11.695	119	11311	0.876	ug/l	97
84) 1,2,4-Trimethylbenzene	11.731	105	10187	0.796	ug/l	100
85) sec-Butylbenzene	11.872	105	12561	0.819	ug/l	99
86) p-Isopropyltoluene	11.994	119	10744	0.827	ug/l	92
87) 1,3-Dichlorobenzene	11.951	146	5907	0.841	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	6341m	0.880	ug/l	
89) n-Butylbenzene	12.317	91	9811	0.816	ug/l	97
90) Hexachloroethane	12.524	117	1752	0.768	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	5491	0.820	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.926	75	698	0.742	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	3358	0.772	ug/l	95
94) Hexachlorobutadiene	13.707	225	1378	0.933	ug/l	93
95) Naphthalene	13.756	128	10112	0.763	ug/l	98
96) 1,2,3-Trichlorobenzene	13.944	180	3043	0.752	ug/l	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047586.D
 Acq On : 16 Sep 2025 10:16
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Quant Time: Sep 17 06:10:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	198376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	355026	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	317288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	156219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	17538	5.554	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.100%#		
35) Dibromofluoromethane	5.373	113	12647	5.312	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.620%#		
50) Toluene-d8	8.635	98	43926	5.332	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.660%#		
62) 4-Bromofluorobenzene	11.061	95	16974	5.429	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.860%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	11403	5.551	ug/l	93
3) Chloromethane	1.301	50	14854	5.502	ug/l	99
4) Vinyl Chloride	1.380	62	14147	5.353	ug/l	97
5) Bromomethane	1.618	94	9780	5.836	ug/l	87
6) Chloroethane	1.697	64	8926	5.053	ug/l	96
7) Trichlorofluoromethane	1.898	101	20497	5.223	ug/l	100
8) Diethyl Ether	2.136	74	8039	5.008	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	11729	5.112	ug/l	98
10) Methyl Iodide	2.453	142	17159	4.795	ug/l	98
11) Tert butyl alcohol	2.947	59	8399	23.883	ug/l	99
12) 1,1-Dichloroethene	2.325	96	12131	5.147	ug/l	91
13) Acrolein	2.239	56	7080	21.847	ug/l	95
14) Allyl chloride	2.666	41	25135	5.168	ug/l	99
15) Acrylonitrile	3.062	53	32587	25.016	ug/l	99
16) Acetone	2.374	43	41297	30.079	ug/l	97
17) Carbon Disulfide	2.514	76	34426	5.335	ug/l	100
18) Methyl Acetate	2.703	43	13357	4.371	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	44396	5.160	ug/l	98
20) Methylene Chloride	2.788	84	15307	5.267	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	13937	5.492	ug/l	97
22) Diisopropyl ether	3.757	45	50213	5.327	ug/l	98
23) Vinyl Acetate	3.715	43	192175	25.474	ug/l	99
24) 1,1-Dichloroethane	3.611	63	26292	5.248	ug/l	97
25) 2-Butanone	4.544	43	46651	27.240	ug/l	92
26) 2,2-Dichloropropane	4.465	77	21738	5.220	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	15996	5.147	ug/l	98
28) Bromochloromethane	4.891	49	12047	5.508	ug/l	95
29) Tetrahydrofuran	4.995	42	26729	25.944	ug/l	92
30) Chloroform	5.080	83	27054	5.344	ug/l	99
31) Cyclohexane	5.458	56	23032	5.520	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	22279	5.188	ug/l	96
36) 1,1-Dichloropropene	5.684	75	18455	5.304	ug/l	98
37) Ethyl Acetate	4.708	43	19913	5.345	ug/l #	97
38) Carbon Tetrachloride	5.666	117	20376	5.390	ug/l	96
39) Methylcyclohexane	7.367	83	20900	5.292	ug/l	97
40) Benzene	6.019	78	55996	5.299	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047586.D
 Acq On : 16 Sep 2025 10:16
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	9390	4.883	ug/l	95
42) 1,2-Dichloroethane	6.074	62	21117	5.252	ug/l	99
43) Isopropyl Acetate	6.324	43	31304	5.124	ug/l	99
44) Trichloroethene	7.111	130	13576	5.314	ug/l	97
45) 1,2-Dichloropropane	7.415	63	14305	5.287	ug/l	99
46) Dibromomethane	7.568	93	10133	5.146	ug/l	99
47) Bromodichloromethane	7.806	83	21270	5.235	ug/l	99
48) Methyl methacrylate	7.677	41	14959	4.915	ug/l	99
49) 1,4-Dioxane	7.653	88	3017	98.096	ug/l #	90
51) 4-Methyl-2-Pentanone	8.555	43	87492	25.828	ug/l	100
52) Toluene	8.702	92	34314	5.271	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	20863	5.034	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	23157	5.227	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	12968	5.166	ug/l	91
56) Ethyl methacrylate	9.104	69	19980	5.068	ug/l	97
57) 1,3-Dichloropropane	9.293	76	22989	5.331	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	37585	27.899	ug/l	98
59) 2-Hexanone	9.415	43	66356	27.275	ug/l	99
60) Dibromochloromethane	9.506	129	14705	5.084	ug/l	95
61) 1,2-Dibromoethane	9.592	107	13461	5.264	ug/l	98
64) Tetrachloroethene	9.256	164	11228	5.428	ug/l	97
65) Chlorobenzene	10.061	112	37507	5.203	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.147	131	12807	5.149	ug/l	99
67) Ethyl Benzene	10.177	91	65908	5.299	ug/l	100
68) m/p-Xylenes	10.287	106	49132	10.613	ug/l	99
69) o-Xylene	10.628	106	23300	5.204	ug/l	98
70) Styrene	10.640	104	40872	5.210	ug/l	99
71) Bromoform	10.781	173	9298	5.006	ug/l #	97
73) Isopropylbenzene	10.945	105	61029	5.139	ug/l	100
74) N-amyl acetate	10.823	43	26969	4.980	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	18462	5.138	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	15982m	4.927	ug/l	
77) Bromobenzene	11.183	156	15066	5.150	ug/l	99
78) n-propylbenzene	11.287	91	72900	5.192	ug/l	100
79) 2-Chlorotoluene	11.348	91	44663	5.194	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	50535	5.179	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	5413	4.364	ug/l	91
82) 4-Chlorotoluene	11.439	91	52294	5.149	ug/l	100
83) tert-Butylbenzene	11.695	119	50350	5.041	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	51583	5.214	ug/l	100
85) sec-Butylbenzene	11.872	105	62507	5.268	ug/l	99
86) p-Isopropyltoluene	11.994	119	52674	5.244	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	28116	5.175	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	29519	5.294	ug/l	93
89) n-Butylbenzene	12.317	91	47953	5.159	ug/l	99
90) Hexachloroethane	12.518	117	8830	5.007	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	26409	5.102	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	3412	4.690	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	17167	5.103	ug/l	98
94) Hexachlorobutadiene	13.707	225	5894	5.158	ug/l	99
95) Naphthalene	13.756	128	49257	4.808	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	15400	4.921	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 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

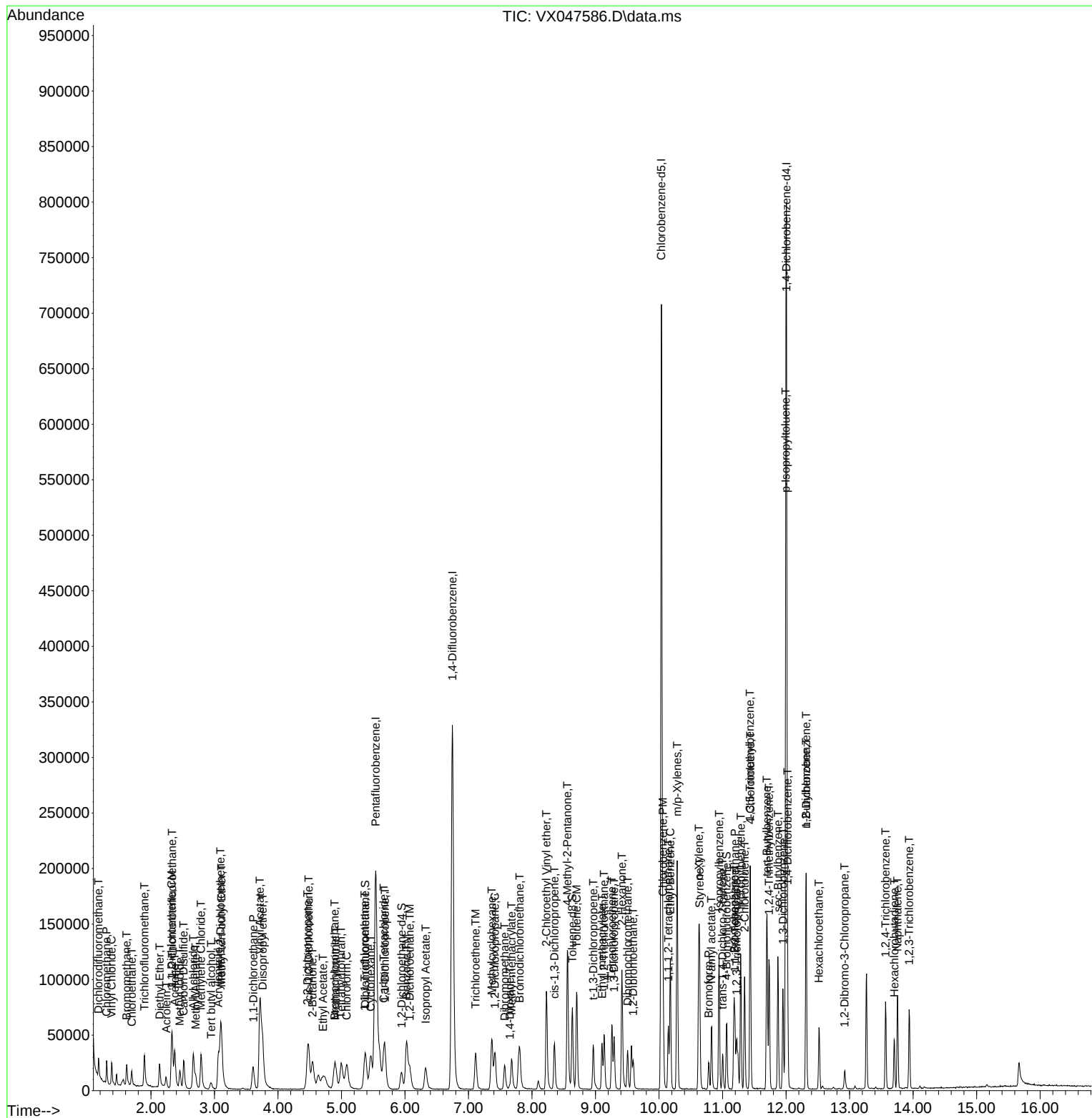
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047586.D
Acq On : 16 Sep 2025 10:16
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047587.D
 Acq On : 16 Sep 2025 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	189559	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	336287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	298629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	49073	16.264	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	32.520%#		
35) Dibromofluoromethane	5.379	113	35788	15.868	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	31.740%#		
50) Toluene-d8	8.634	98	126875	16.258	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	32.520%#		
62) 4-Bromofluorobenzene	11.067	95	48454	16.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	32.720%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	44126	22.480	ug/l	100
3) Chloromethane	1.300	50	56023	21.716	ug/l	96
4) Vinyl Chloride	1.386	62	54256	21.485	ug/l	96
5) Bromomethane	1.617	94	34193	21.353	ug/l	100
6) Chloroethane	1.697	64	35551	21.063	ug/l	97
7) Trichlorofluoromethane	1.898	101	78667	20.980	ug/l	100
8) Diethyl Ether	2.136	74	31335	20.429	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	45733	20.859	ug/l	98
10) Methyl Iodide	2.459	142	69935	20.452	ug/l	99
11) Tert butyl alcohol	2.946	59	32456	96.582	ug/l	98
12) 1,1-Dichloroethene	2.325	96	46863	20.808	ug/l	96
13) Acrolein	2.239	56	26159	84.473	ug/l	100
14) Allyl chloride	2.666	41	94710	20.379	ug/l	97
15) Acrylonitrile	3.062	53	130143	104.554	ug/l	99
16) Acetone	2.373	43	151538	115.507	ug/l	100
17) Carbon Disulfide	2.520	76	133296	21.620	ug/l	98
18) Methyl Acetate	2.703	43	54120	18.536	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	168426	20.486	ug/l	98
20) Methylene Chloride	2.788	84	57153	20.581	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	50413	20.791	ug/l	94
22) Diisopropyl ether	3.757	45	188598	20.940	ug/l	96
23) Vinyl Acetate	3.715	43	765675	106.218	ug/l	100
24) 1,1-Dichloroethane	3.605	63	98509	20.578	ug/l	99
25) 2-Butanone	4.538	43	179487	109.679	ug/l	94
26) 2,2-Dichloropropane	4.471	77	81413	20.459	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	60865	20.497	ug/l	98
28) Bromochloromethane	4.891	49	34085	16.309	ug/l	100
29) Tetrahydrofuran	4.995	42	102935	104.560	ug/l	97
30) Chloroform	5.080	83	103586	21.413	ug/l	99
31) Cyclohexane	5.464	56	82770	20.759	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	86500	21.081	ug/l	99
36) 1,1-Dichloropropene	5.684	75	68395	20.754	ug/l	99
37) Ethyl Acetate	4.702	43	74499	21.113	ug/l	96
38) Carbon Tetrachloride	5.665	117	74636	20.844	ug/l	95
39) Methylcyclohexane	7.366	83	79499	21.251	ug/l	98
40) Benzene	6.025	78	210711	21.051	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047587.D
 Acq On : 16 Sep 2025 10:37
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Sep 17 06:12:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	38525	21.148	ug/l	99
42) 1,2-Dichloroethane	6.074	62	80646	21.175	ug/l	99
43) Isopropyl Acetate	6.324	43	119623	20.670	ug/l	100
44) Trichloroethene	7.110	130	51369	21.228	ug/l	97
45) 1,2-Dichloropropane	7.415	63	53046	20.697	ug/l	97
46) Dibromomethane	7.568	93	38910	20.862	ug/l	99
47) Bromodichloromethane	7.805	83	80831	21.002	ug/l	98
48) Methyl methacrylate	7.677	41	60182	20.877	ug/l	98
49) 1,4-Dioxane	7.647	88	12047	413.530	ug/l	95
51) 4-Methyl-2-Pentanone	8.561	43	338370	105.456	ug/l	100
52) Toluene	8.708	92	129193	20.950	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	80972	20.625	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	86648	20.650	ug/l	99
55) 1,1,2-Trichloroethane	9.140	97	49857	20.967	ug/l	98
56) Ethyl methacrylate	9.104	69	79011	21.158	ug/l	99
57) 1,3-Dichloropropane	9.293	76	85511	20.934	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	141395	86.617	ug/l	100
59) 2-Hexanone	9.415	43	250007	108.488	ug/l	99
60) Dibromochloromethane	9.506	129	57994	21.167	ug/l	99
61) 1,2-Dibromoethane	9.598	107	51614	21.310	ug/l	99
64) Tetrachloroethene	9.262	164	40840	20.979	ug/l	95
65) Chlorobenzene	10.061	112	140642	20.731	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	48022	20.513	ug/l	99
67) Ethyl Benzene	10.177	91	244737	20.907	ug/l	98
68) m/p-Xylenes	10.287	106	182778	41.951	ug/l	100
69) o-Xylene	10.628	106	87651	20.799	ug/l	98
70) Styrene	10.640	104	154077	20.866	ug/l	99
71) Bromoform	10.780	173	35922	20.550	ug/l #	98
73) Isopropylbenzene	10.945	105	225730	20.970	ug/l	99
74) N-amyl acetate	10.829	43	104823	21.354	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	68132	20.920	ug/l	99
76) 1,2,3-Trichloropropane	11.225	75	60797m	20.680	ug/l	
77) Bromobenzene	11.183	156	56161	21.183	ug/l	99
78) n-propylbenzene	11.286	91	268399	21.092	ug/l	100
79) 2-Chlorotoluene	11.347	91	166237	21.329	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	187513	21.202	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	21553	19.173	ug/l	96
82) 4-Chlorotoluene	11.439	91	193122	20.980	ug/l	100
83) tert-Butylbenzene	11.695	119	189484	20.929	ug/l	100
84) 1,2,4-Trimethylbenzene	11.738	105	191477	21.355	ug/l	98
85) sec-Butylbenzene	11.872	105	223434	20.777	ug/l	100
86) p-Isopropyltoluene	11.994	119	190931	20.972	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	103584	21.035	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	105819	20.937	ug/l	99
89) n-Butylbenzene	12.317	91	176373	20.937	ug/l	99
90) Hexachloroethane	12.518	117	32526	20.349	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	99493	21.207	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	13729	20.821	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	62722	20.571	ug/l	96
94) Hexachlorobutadiene	13.707	225	20456	19.751	ug/l	98
95) Naphthalene	13.756	128	193134	20.801	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	58409	20.593	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047587.D
Acq On : 16 Sep 2025 10:37
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 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

Manual Integrations

Quant Time: Sep 17 06:12:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047588.D
 Acq On : 16 Sep 2025 10:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	173407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	307383	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	270040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	127732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133606	48.404	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.800%		
35) Dibromofluoromethane	5.373	113	101627	49.298	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.600%		
50) Toluene-d8	8.635	98	352578	49.428	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.860%		
62) 4-Bromofluorobenzene	11.061	95	131217	48.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.940%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	86824	48.352	ug/l	100
3) Chloromethane	1.301	50	114682	48.594	ug/l	100
4) Vinyl Chloride	1.380	62	114666	49.635	ug/l	100
5) Bromomethane	1.618	94	73561	50.216	ug/l	100
6) Chloroethane	1.697	64	76736	49.698	ug/l	100
7) Trichlorofluoromethane	1.898	101	172561	50.307	ug/l	100
8) Diethyl Ether	2.136	74	70874	50.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	101178	50.445	ug/l	100
10) Methyl Iodide	2.459	142	158046	50.525	ug/l	100
11) Tert butyl alcohol	2.941	59	77232	251.232	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104724	50.831	ug/l	100
13) Acrolein	2.239	56	70721	249.645	ug/l	100
14) Allyl chloride	2.666	41	210001	49.396	ug/l	100
15) Acrylonitrile	3.063	53	300642	264.027	ug/l	100
16) Acetone	2.374	43	275065	229.193	ug/l	100
17) Carbon Disulfide	2.520	76	271480	48.133	ug/l	100
18) Methyl Acetate	2.703	43	151968	56.897	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	389607	51.804	ug/l	100
20) Methylene Chloride	2.788	84	126506	49.798	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	112553	50.743	ug/l	100
22) Diisopropyl ether	3.758	45	429524	52.131	ug/l	100
23) Vinyl Acetate	3.715	43	1726735	261.852	ug/l	100
24) 1,1-Dichloroethane	3.605	63	224824	51.338	ug/l	100
25) 2-Butanone	4.538	43	380335	254.060	ug/l	100
26) 2,2-Dichloropropane	4.465	77	185247	50.888	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	140105	51.576	ug/l	100
28) Bromochloromethane	4.891	49	99991	52.301	ug/l	100
29) Tetrahydrofuran	4.989	42	238677	265.026	ug/l	100
30) Chloroform	5.080	83	229430	51.844	ug/l	100
31) Cyclohexane	5.458	56	178546	48.952	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	195407	52.058	ug/l	100
36) 1,1-Dichloropropene	5.684	75	149800	49.729	ug/l	100
37) Ethyl Acetate	4.702	43	163482	50.687	ug/l	100
38) Carbon Tetrachloride	5.672	117	165730	50.637	ug/l	100
39) Methylcyclohexane	7.367	83	173610	50.773	ug/l	100
40) Benzene	6.025	78	468136	51.167	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047588.D
 Acq On : 16 Sep 2025 10:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	87761	52.707	ug/l	100
42) 1,2-Dichloroethane	6.074	62	179037	51.431	ug/l	100
43) Isopropyl Acetate	6.324	43	275572	52.096	ug/l	100
44) Trichloroethene	7.111	130	113832	51.463	ug/l	100
45) 1,2-Dichloropropane	7.415	63	122109	52.122	ug/l	100
46) Dibromomethane	7.568	93	88505	51.914	ug/l	100
47) Bromodichloromethane	7.806	83	186540	53.025	ug/l	100
48) Methyl methacrylate	7.678	41	138167	52.438	ug/l	100
49) 1,4-Dioxane	7.647	88	29496	1107.698	ug/l	100
51) 4-Methyl-2-Pentanone	8.562	43	784978	267.650	ug/l	100
52) Toluene	8.702	92	288853	51.244	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	190282	53.027	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	200859	52.369	ug/l	100
55) 1,1,2-Trichloroethane	9.135	97	112837	51.915	ug/l	100
56) Ethyl methacrylate	9.104	69	184087	53.930	ug/l	100
57) 1,3-Dichloropropane	9.293	76	195989	52.492	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	418707	256.309	ug/l	100
59) 2-Hexanone	9.415	43	553313	262.683	ug/l	100
60) Dibromochloromethane	9.506	129	133737	53.401	ug/l	100
61) 1,2-Dibromoethane	9.592	107	116462	52.607	ug/l	100
64) Tetrachloroethene	9.257	164	88149	50.074	ug/l	100
65) Chlorobenzene	10.061	112	317982	51.833	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	111849	52.835	ug/l	100
67) Ethyl Benzene	10.177	91	550610	52.017	ug/l	100
68) m/p-Xylenes	10.287	106	412932	104.809	ug/l	100
69) o-Xylene	10.622	106	202291	53.084	ug/l	100
70) Styrene	10.640	104	350654	52.515	ug/l	100
71) Bromoform	10.781	173	84485	53.447	ug/l #	100
73) Isopropylbenzene	10.945	105	516891	53.227	ug/l	100
74) N-amyl acetate	10.829	43	237846	53.710	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	156454	53.251	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	144074m	54.322	ug/l	
77) Bromobenzene	11.183	156	126174	52.754	ug/l	100
78) n-propylbenzene	11.287	91	612035	53.315	ug/l	100
79) 2-Chlorotoluene	11.348	91	372397	52.965	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	426989	53.518	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	52927	52.190	ug/l	100
82) 4-Chlorotoluene	11.439	91	438502	52.806	ug/l	100
83) tert-Butylbenzene	11.695	119	429107	52.539	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	427073	52.798	ug/l	100
85) sec-Butylbenzene	11.872	105	514442	53.029	ug/l	100
86) p-Isopropyltoluene	11.994	119	436704	53.172	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	232038	52.232	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	233975	51.316	ug/l	100
89) n-Butylbenzene	12.311	91	400997	52.766	ug/l	100
90) Hexachloroethane	12.518	117	75800	52.567	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	222993	52.688	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.921	75	32451	54.554	ug/l	100
93) 1,2,4-Trichlorobenzene	13.567	180	147670	53.685	ug/l	100
94) Hexachlorobutadiene	13.707	225	49061	52.510	ug/l	100
95) Naphthalene	13.756	128	452013	53.966	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	138978	54.316	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047588.D
Acq On : 16 Sep 2025 10:58
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:13:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 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

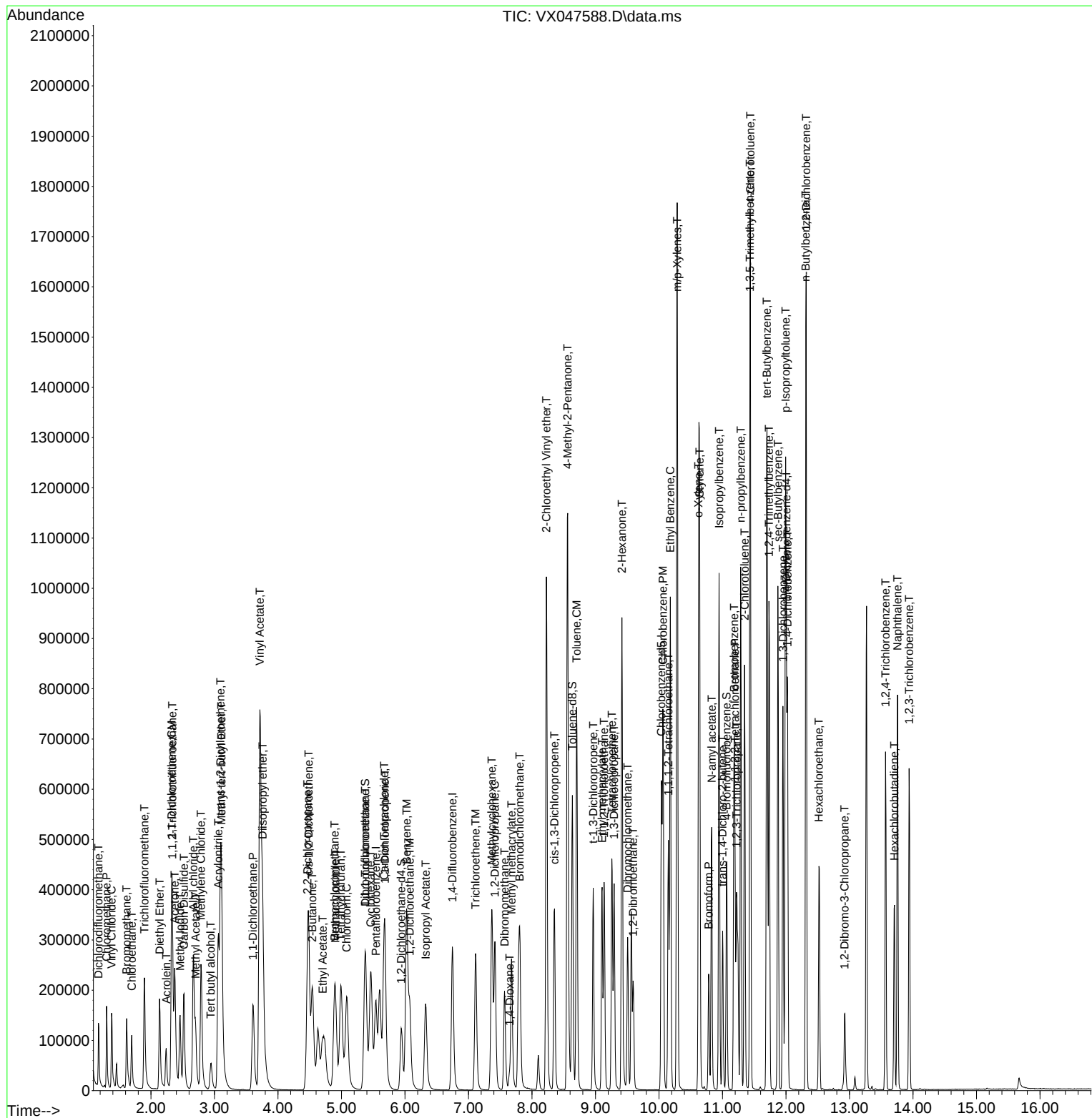
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047588.D
 Acq On : 16 Sep 2025 10:58
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Quant Time: Sep 17 06:13:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025
 Supervised By :Mahesh Dadoda 09/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047589.D
 Acq On : 16 Sep 2025 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 17 06:15:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.532	168	169280	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	298913	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	258399	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	122218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	275758	102.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 204.680%#			
35) Dibromofluoromethane	5.361	113	212419	105.962	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 211.920%#			
50) Toluene-d8	8.629	98	724078	104.386	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 208.780%#			
62) 4-Bromofluorobenzene	11.061	95	270289	102.672	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 205.340%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	172727	98.537	ug/l	100
3) Chloromethane	1.301	50	229165	99.472	ug/l	100
4) Vinyl Chloride	1.380	62	229175	101.621	ug/l	100
5) Bromomethane	1.611	94	143113	100.076	ug/l	99
6) Chloroethane	1.691	64	152487	101.167	ug/l	99
7) Trichlorofluoromethane	1.892	101	344488	102.878	ug/l	100
8) Diethyl Ether	2.130	74	142038	103.695	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	199843	102.067	ug/l	99
10) Methyl Iodide	2.453	142	313092	102.531	ug/l	99
11) Tert butyl alcohol	2.947	59	152108	506.863	ug/l	98
12) 1,1-Dichloroethene	2.319	96	206097	102.473	ug/l	93
13) Acrolein	2.233	56	150793	545.276	ug/l	97
14) Allyl chloride	2.660	41	415140	100.028	ug/l	99
15) Acrylonitrile	3.056	53	581240	522.897	ug/l	100
16) Acetone	2.374	43	510542	435.772	ug/l	100
17) Carbon Disulfide	2.514	76	537888	97.693	ug/l	98
18) Methyl Acetate	2.697	43	292867	112.324	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	748952	102.011	ug/l	100
20) Methylene Chloride	2.782	84	242548	97.805	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	217759	100.566	ug/l	98
22) Diisopropyl ether	3.745	45	811840	100.934	ug/l	88
23) Vinyl Acetate	3.709	43	3314707	514.916	ug/l	99
24) 1,1-Dichloroethane	3.599	63	435815	101.944	ug/l	98
25) 2-Butanone	4.532	43	700827	479.558	ug/l	97
26) 2,2-Dichloropropane	4.465	77	357292	100.542	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	266550	100.516	ug/l	100
28) Bromochloromethane	4.873	49	198788	106.512	ug/l	99
29) Tetrahydrofuran	4.977	42	443530	504.502	ug/l	99
30) Chloroform	5.074	83	433937	100.447	ug/l	100
31) Cyclohexane	5.452	56	332995	93.523	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	372323	101.607	ug/l	99
36) 1,1-Dichloropropene	5.672	75	281650	96.149	ug/l	98
37) Ethyl Acetate	4.690	43	318793	101.641	ug/l	99
38) Carbon Tetrachloride	5.660	117	314745	98.891	ug/l	98
39) Methylcyclohexane	7.360	83	327858	98.600	ug/l	98
40) Benzene	6.019	78	880885	99.009	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047589.D
 Acq On : 16 Sep 2025 11:40
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Sep 17 06:15:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	168753	104.220	ug/l	99
42) 1,2-Dichloroethane	6.062	62	331465	97.916	ug/l	100
43) Isopropyl Acetate	6.318	43	516875	100.482	ug/l	99
44) Trichloroethene	7.104	130	217753	101.234	ug/l	96
45) 1,2-Dichloropropane	7.409	63	228150	100.145	ug/l	100
46) Dibromomethane	7.562	93	164987	99.519	ug/l	99
47) Bromodichloromethane	7.806	83	345991	101.136	ug/l	98
48) Methyl methacrylate	7.671	41	260358	101.612	ug/l	100
49) 1,4-Dioxane	7.641	88	56717	2190.315	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	1431253	501.834	ug/l	100
52) Toluene	8.702	92	536148	97.811	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	355881	101.986	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	380577	102.038	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	205939	97.434	ug/l	97
56) Ethyl methacrylate	9.098	69	346659	104.435	ug/l	99
57) 1,3-Dichloropropane	9.293	76	362848	99.935	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	836362	499.814	ug/l	100
59) 2-Hexanone	9.415	43	996274	486.380	ug/l	100
60) Dibromochloromethane	9.506	129	251394	103.226	ug/l	99
61) 1,2-Dibromoethane	9.592	107	217751	101.147	ug/l	100
64) Tetrachloroethene	9.256	164	165559	98.284	ug/l	98
65) Chlorobenzene	10.061	112	588517	100.253	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	208621	102.988	ug/l	100
67) Ethyl Benzene	10.177	91	1031346	101.823	ug/l	100
68) m/p-Xylenes	10.287	106	763898	202.624	ug/l	99
69) o-Xylene	10.622	106	372621	102.186	ug/l	99
70) Styrene	10.634	104	649863	101.710	ug/l	100
71) Bromoform	10.781	173	161188	106.566	ug/l	98
73) Isopropylbenzene	10.945	105	954900	102.768	ug/l	100
74) N-amyl acetate	10.823	43	448344	105.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	281608	100.172	ug/l	98
76) 1,2,3-Trichloropropane	11.220	75	229521m	90.444	ug/l	
77) Bromobenzene	11.183	156	234666	102.541	ug/l	98
78) n-propylbenzene	11.287	91	1119728	101.941	ug/l	99
79) 2-Chlorotoluene	11.348	91	683867	101.652	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	787327	103.134	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	102555	105.689	ug/l	98
82) 4-Chlorotoluene	11.433	91	802929	101.054	ug/l	100
83) tert-Butylbenzene	11.695	119	791896	101.333	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	790557	102.144	ug/l	99
85) sec-Butylbenzene	11.872	105	945321	101.840	ug/l	100
86) p-Isopropyltoluene	11.994	119	797643	101.501	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	432248	101.689	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	431839	98.985	ug/l	100
89) n-Butylbenzene	12.311	91	757239	104.138	ug/l	99
90) Hexachloroethane	12.518	117	148048	107.304	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	414491	102.352	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	61029	107.225	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	278777	105.922	ug/l	100
94) Hexachlorobutadiene	13.707	225	92124	103.049	ug/l	99
95) Naphthalene	13.756	128	854492	106.620	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	263512	107.633	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 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

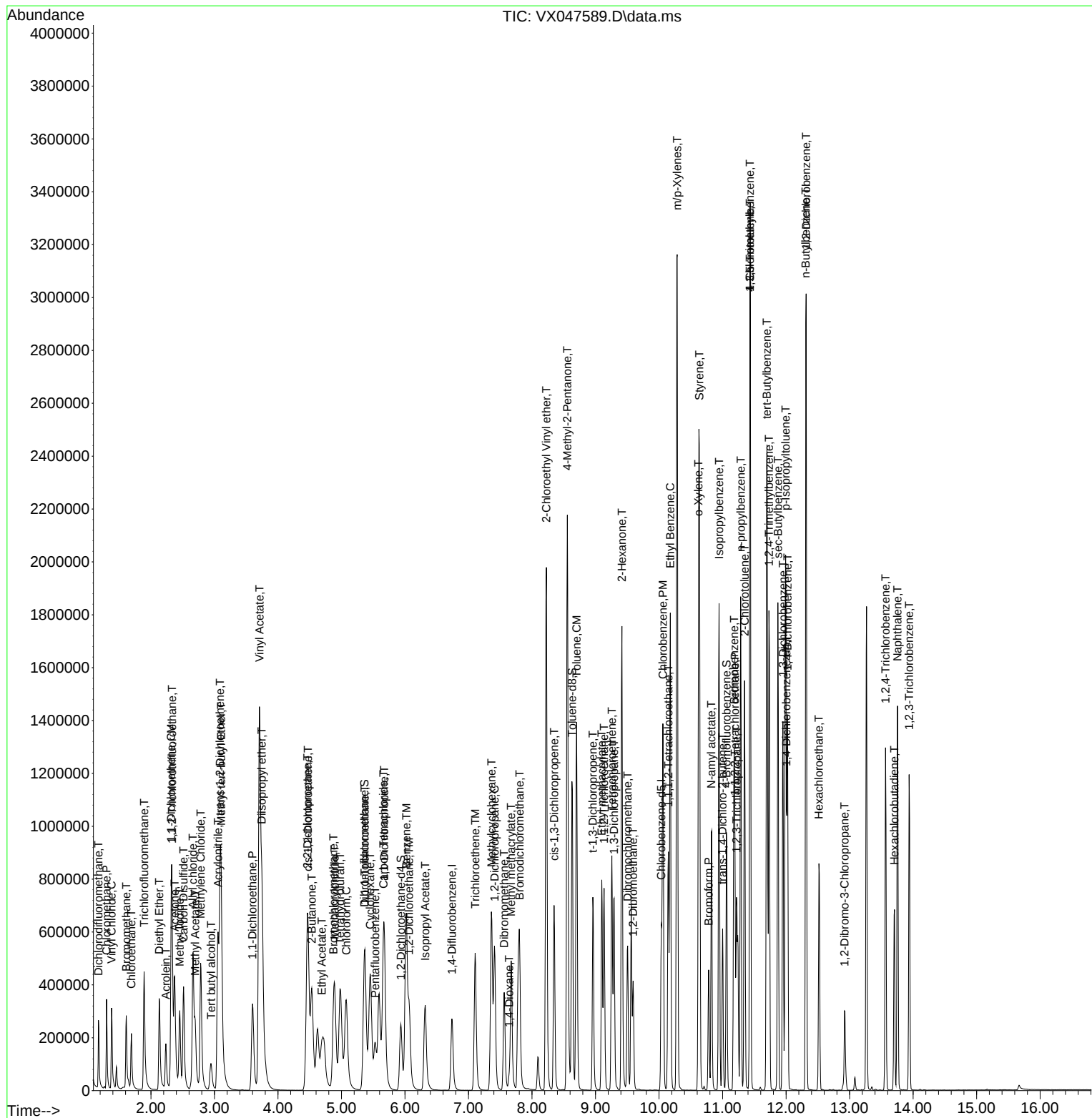
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047589.D
Acq On : 16 Sep 2025 11:40
Operator : JC/MD
Sample : VSTDIC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

Reviewed By : John Carlone 09/17/2025
Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:15:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047590.D
 Acq On : 16 Sep 2025 12:01
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 17 06:16:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	153177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	274804	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	241818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	114743	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.940	65	396627	162.673	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 325.340%#	
35) Dibromofluoromethane	5.373	113	303728	164.802	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 329.600%#	
50) Toluene-d8	8.635	98	1041079	163.253	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 326.500%#	
62) 4-Bromofluorobenzene	11.067	95	399386	165.020	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 330.040%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.173	85	226166	142.586	ug/l	99
3) Chloromethane	1.301	50	297259	142.593	ug/l	99
4) Vinyl Chloride	1.380	62	302303	148.140	ug/l	98
5) Bromomethane	1.605	94	147541	114.019	ug/l	98
6) Chloroethane	1.691	64	195927	143.652	ug/l	99
7) Trichlorofluoromethane	1.892	101	453116	149.545	ug/l	99
8) Diethyl Ether	2.136	74	188006	151.684	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	267995	151.264	ug/l	99
10) Methyl Iodide	2.453	142	407242	147.384	ug/l	99
11) Tert butyl alcohol	2.959	59	215927	795.166	ug/l	100
12) 1,1-Dichloroethene	2.325	96	273692	150.388	ug/l	97
13) Acrolein	2.239	56	223763	894.203	ug/l	98
14) Allyl chloride	2.666	41	554779	147.727	ug/l	99
15) Acrylonitrile	3.063	53	790790	786.201	ug/l	99
16) Acetone	2.380	43	686119	647.201	ug/l	98
17) Carbon Disulfide	2.514	76	714503	143.412	ug/l	99
18) Methyl Acetate	2.703	43	404736	171.548	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1015295	152.826	ug/l	100
20) Methylene Chloride	2.788	84	324032	144.398	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	291616	148.833	ug/l	98
22) Diisopropyl ether	3.757	45	1095726	150.551	ug/l	97
23) Vinyl Acetate	3.715	43	4504849	773.364	ug/l	100
24) 1,1-Dichloroethane	3.605	63	587129	151.776	ug/l	98
25) 2-Butanone	4.544	43	973938	736.502	ug/l	99
26) 2,2-Dichloropropane	4.471	77	486890	151.414	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	366262	152.638	ug/l	99
28) Bromochloromethane	4.885	49	289548	171.451	ug/l	99
29) Tetrahydrofuran	4.989	42	616374	774.811	ug/l	100
30) Chloroform	5.080	83	591709	151.367	ug/l	99
31) Cyclohexane	5.458	56	456119	141.570	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	506654	152.802	ug/l	99
36) 1,1-Dichloropropene	5.684	75	386601	143.556	ug/l	99
37) Ethyl Acetate	4.702	43	444461	154.141	ug/l	99
38) Carbon Tetrachloride	5.666	117	427263	146.021	ug/l	98
39) Methylcyclohexane	7.367	83	456694	149.395	ug/l	98
40) Benzene	6.025	78	1202846	147.057	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047590.D
 Acq On : 16 Sep 2025 12:01
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Quant Time: Sep 17 06:16:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:04:35 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	223218	149.951	ug/l	99
42) 1,2-Dichloroethane	6.074	62	455978	146.515	ug/l	99
43) Isopropyl Acetate	6.324	43	724888	153.283	ug/l	99
44) Trichloroethene	7.111	130	299673	151.542	ug/l	96
45) 1,2-Dichloropropane	7.415	63	316720	151.219	ug/l	99
46) Dibromomethane	7.568	93	228550	149.954	ug/l	97
47) Bromodichloromethane	7.806	83	483438	153.710	ug/l	98
48) Methyl methacrylate	7.678	41	367931	156.194	ug/l	99
49) 1,4-Dioxane	7.647	88	82739	3475.565	ug/l	98
51) 4-Methyl-2-Pentanone	8.562	43	2008063	765.849	ug/l	100
52) Toluene	8.702	92	739332	146.712	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	503912	157.076	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	530566	154.732	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	289103	148.781	ug/l	99
56) Ethyl methacrylate	9.104	69	490623	160.773	ug/l	97
57) 1,3-Dichloropropane	9.293	76	502121	150.426	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	1202206	749.661	ug/l	99
59) 2-Hexanone	9.415	43	1412417	750.035	ug/l	99
60) Dibromochloromethane	9.506	129	347748	155.318	ug/l	98
61) 1,2-Dibromoethane	9.592	107	302715	152.949	ug/l	99
64) Tetrachloroethene	9.263	164	227931	144.590	ug/l	98
65) Chlorobenzene	10.061	112	828239	150.763	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	291433	153.733	ug/l	98
67) Ethyl Benzene	10.177	91	1431554	151.026	ug/l	99
68) m/p-Xylenes	10.287	106	1059776	300.381	ug/l	99
69) o-Xylene	10.628	106	521840	152.920	ug/l	99
70) Styrene	10.640	104	917532	153.449	ug/l	99
71) Bromoform	10.781	173	229683	162.262	ug/l	99
73) Isopropylbenzene	10.945	105	1321409	151.477	ug/l	99
74) N-amyl acetate	10.829	43	636879	160.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	403906	153.035	ug/l	99
76) 1,2,3-Trichloropropane	11.226	75	366171m	153.692	ug/l	
77) Bromobenzene	11.183	156	328336	152.818	ug/l	99
78) n-propylbenzene	11.287	91	1550316	150.337	ug/l	99
79) 2-Chlorotoluene	11.348	91	939707	148.781	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	1091593	152.306	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	145921	160.176	ug/l	97
82) 4-Chlorotoluene	11.439	91	1127233	151.112	ug/l	100
83) tert-Butylbenzene	11.701	119	1106532	150.819	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	1106914	152.336	ug/l	100
85) sec-Butylbenzene	11.872	105	1319819	151.448	ug/l	99
86) p-Isopropyltoluene	11.994	119	1103210	149.530	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	605123	151.633	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	613617	149.814	ug/l	99
89) n-Butylbenzene	12.317	91	1032357	151.222	ug/l	100
90) Hexachloroethane	12.518	117	211472	163.258	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	582565	153.227	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	89415	167.332	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	387652	156.884	ug/l	98
94) Hexachlorobutadiene	13.707	225	121791	145.110	ug/l	99
95) Naphthalene	13.756	128	1229363	163.388	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	369382	160.704	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration

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

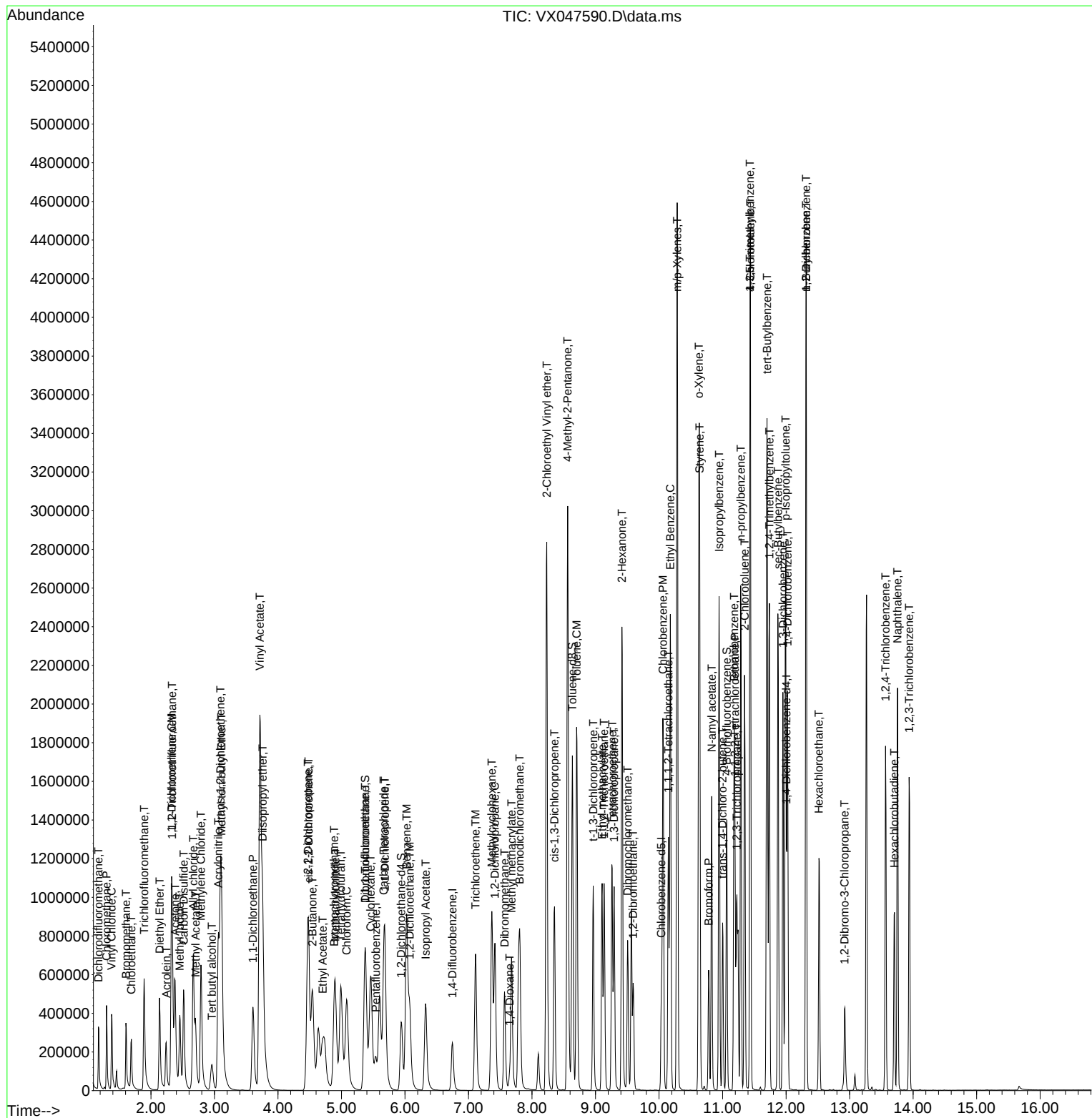
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Data File : VX047590.D
Acq On : 16 Sep 2025 12:01
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:16:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:04:35 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	186484	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	331837	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	135209	45.550	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.100%		
35) Dibromofluoromethane	5.367	113	101390	45.559	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.120%		
50) Toluene-d8	8.634	98	357393	46.411	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.820%		
62) 4-Bromofluorobenzene	11.061	95	135957	46.520	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.040%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	86110	44.592	ug/l	94
3) Chloromethane	1.300	50	110935	43.710	ug/l	99
4) Vinyl Chloride	1.380	62	113742	45.783	ug/l	99
5) Bromomethane	1.617	94	76388	48.489	ug/l	99
6) Chloroethane	1.697	64	77337	46.575	ug/l	99
7) Trichlorofluoromethane	1.892	101	173647	47.074	ug/l	98
8) Diethyl Ether	2.136	74	70459	46.693	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	104663	48.524	ug/l	99
10) Methyl Iodide	2.453	142	155450	46.210	ug/l	99
11) Tert butyl alcohol	2.940	59	84722	256.271	ug/l	100
12) 1,1-Dichloroethene	2.325	96	104302	47.076	ug/l	98
13) Acrolein	2.233	56	77645	254.867	ug/l	99
14) Allyl chloride	2.666	41	213704	46.742	ug/l	99
15) Acrylonitrile	3.056	53	310505	253.567	ug/l	99
16) Acetone	2.373	43	316217	245.006	ug/l	97
17) Carbon Disulfide	2.514	76	272741	44.966	ug/l	97
18) Methyl Acetate	2.697	43	158480	55.175	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	392574	48.538	ug/l	100
20) Methylene Chloride	2.788	84	125669	46.000	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	111418	46.709	ug/l	99
22) Diisopropyl ether	3.745	45	426854	48.174	ug/l #	83
23) Vinyl Acetate	3.709	43	1741267	245.539	ug/l	99
24) 1,1-Dichloroethane	3.599	63	226249	48.041	ug/l	99
25) 2-Butanone	4.532	43	408273	253.598	ug/l	97
26) 2,2-Dichloropropane	4.458	77	193760	49.494	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	142635	48.826	ug/l	99
28) Bromochloromethane	4.879	49	95782	46.586	ug/l	99
29) Tetrahydrofuran	4.983	42	245392	253.375	ug/l	99
30) Chloroform	5.074	83	231954	48.739	ug/l	99
31) Cyclohexane	5.458	56	180430	45.999	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	197711	48.978	ug/l	100
36) 1,1-Dichloropropene	5.678	75	151745	46.663	ug/l	99
37) Ethyl Acetate	4.690	43	171454	49.241	ug/l	98
38) Carbon Tetrachloride	5.659	117	165834	46.935	ug/l	95
39) Methylcyclohexane	7.360	83	179392	48.597	ug/l	98
40) Benzene	6.019	78	467748	47.357	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

Quant Time: Sep 17 06:47:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	90758	50.490	ug/l	98
42) 1,2-Dichloroethane	6.068	62	176131	46.867	ug/l	100
43) Isopropyl Acetate	6.318	43	280595	49.136	ug/l	100
44) Trichloroethene	7.104	130	114708	48.037	ug/l	98
45) 1,2-Dichloropropane	7.409	63	121532	48.053	ug/l	98
46) Dibromomethane	7.562	93	88297	47.976	ug/l	98
47) Bromodichloromethane	7.799	83	185219	48.769	ug/l	96
48) Methyl methacrylate	7.671	41	141532	49.757	ug/l	99
49) 1,4-Dioxane	7.641	88	31320	1089.520	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	809759	255.752	ug/l	100
52) Toluene	8.702	92	292879	48.130	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	191863	49.527	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	203954	49.257	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	112094	47.772	ug/l	98
56) Ethyl methacrylate	9.098	69	189741	51.490	ug/l	99
57) 1,3-Dichloropropane	9.293	76	197079	48.894	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	394205	225.562	ug/l	99
59) 2-Hexanone	9.415	43	575599	253.126	ug/l	99
60) Dibromochloromethane	9.506	129	134704	49.824	ug/l	99
61) 1,2-Dibromoethane	9.592	107	117817	49.297	ug/l	99
64) Tetrachloroethene	9.256	164	90881	48.296	ug/l	98
65) Chlorobenzene	10.061	112	318372	48.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	110416	48.794	ug/l	98
67) Ethyl Benzene	10.177	91	563634	49.813	ug/l	99
68) m/p-Xylenes	10.287	106	416757	98.956	ug/l	99
69) o-Xylene	10.622	106	204323	50.159	ug/l	99
70) Styrene	10.640	104	353567	49.536	ug/l	99
71) Bromoform	10.780	173	86524	51.207	ug/l #	98
73) Isopropylbenzene	10.945	105	523826	49.479	ug/l	100
74) N-amyl acetate	10.823	43	243198	50.375	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	159676	49.851	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	149779m	53.124	ug/l	
77) Bromobenzene	11.183	156	125610	48.173	ug/l	98
78) n-propylbenzene	11.286	91	616928	49.295	ug/l	99
79) 2-Chlorotoluene	11.347	91	376486	49.117	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	435375	50.055	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	55880	50.543	ug/l	99
82) 4-Chlorotoluene	11.433	91	445075	49.164	ug/l	100
83) tert-Butylbenzene	11.695	119	442341	49.679	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	440134	49.911	ug/l	99
85) sec-Butylbenzene	11.872	105	529869	50.100	ug/l	100
86) p-Isopropyltoluene	11.994	119	446441	49.861	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	237383	49.014	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	243618	49.011	ug/l	99
89) n-Butylbenzene	12.317	91	420478	50.752	ug/l	100
90) Hexachloroethane	12.518	117	79751	50.732	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	227493	49.304	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	33020	50.918	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	153333	51.133	ug/l	100
94) Hexachlorobutadiene	13.707	225	53099	52.131	ug/l	99
95) Naphthalene	13.756	128	464206	50.836	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	142413	51.054	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/17/2025
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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

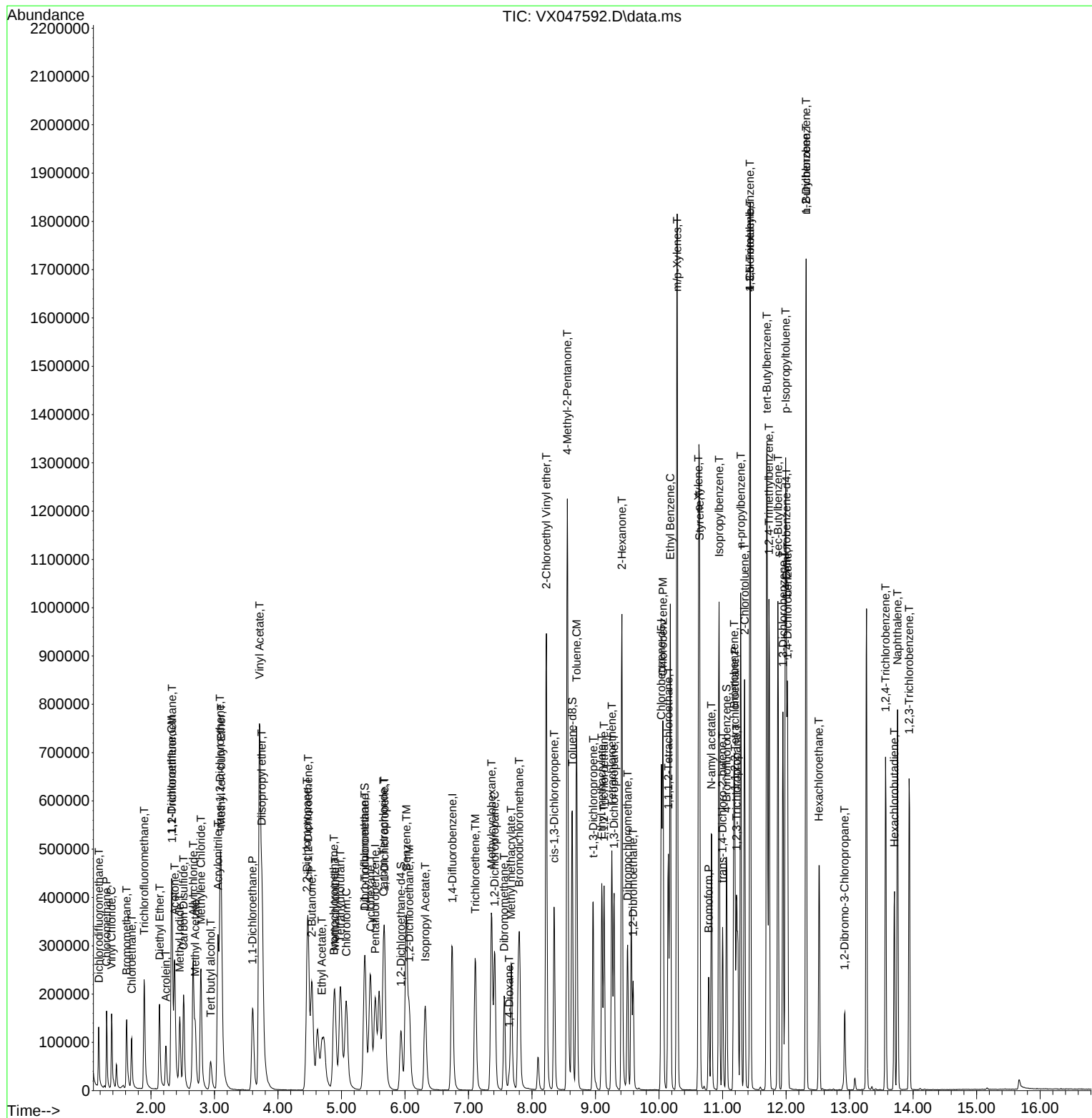
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

Manual Integrations APPROVED

Reviewed By : John Carlone 09/17/2025
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 06:47:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX091625

Quant Time: Sep 17 06:47:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 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	0.518	0.462	10.8	99	0.00
3 P	Chloromethane	0.680	0.595	12.5	97	0.00
4 C	Vinyl Chloride	0.666	0.610	8.4#	99	0.00
5 T	Bromomethane	0.422	0.410	2.8	104	0.00
6 T	Chloroethane	0.445	0.415	6.7	101	0.00
7 T	Trichlorofluoromethane	0.989	0.931	5.9	101	0.00
8 T	Diethyl Ether	0.405	0.378	6.7	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.578	0.561	2.9	103	0.00
10 T	Methyl Iodide	0.902	0.834	7.5	98	0.00
11 T	Tert butyl alcohol	0.089	0.091	-2.2	110	0.00
12 CM	1,1-Dichloroethene	0.594	0.559	5.9#	100	0.00
13 T	Acrolein	0.082	0.083	-1.2	110	0.00
14 T	Allyl chloride	1.226	1.146	6.5	102	0.00
15 T	Acrylonitrile	0.328	0.333	-1.5	103	0.00
16 T	Acetone	0.346	0.339	2.0	115	0.00
17 T	Carbon Disulfide	1.626	1.463	10.0	100	0.00
18 T	Methyl Acetate	0.770	0.850	-10.4	104	0.00
19 T	Methyl tert-butyl Ether	2.169	2.105	3.0	101	0.00
20 T	Methylene Chloride	0.732	0.674	7.9	99	0.00
21 T	trans-1,2-Dichloroethene	0.640	0.597	6.7	99	0.00
22 T	Diisopropyl ether	2.376	2.289	3.7	99	-0.01
23 T	Vinyl Acetate	1.901	1.867	1.8	101	0.00
24 P	1,1-Dichloroethane	1.263	1.213	4.0	101	0.00
25 T	2-Butanone	0.432	0.438	-1.4	107	0.00
26 T	2,2-Dichloropropane	1.050	1.039	1.0	105	0.00
27 T	cis-1,2-Dichloroethene	0.783	0.765	2.3	102	0.00
28 T	Bromochloromethane	0.551	0.514	6.7	96	-0.01
29 T	Tetrahydrofuran	0.260	0.263	-1.2	103	0.00
30 C	Chloroform	1.276	1.244	2.5#	101	0.00
31 T	Cyclohexane	1.052	0.968	8.0	101	0.00
32 T	1,1,1-Trichloroethane	1.082	1.060	2.0	101	0.00
33 S	1,2-Dichloroethane-d4	0.796	0.725	8.9	101	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35 S	Dibromofluoromethane	0.335	0.306	8.7	100	0.00
36 T	1,1-Dichloropropene	0.490	0.457	6.7	101	0.00
37 T	Ethyl Acetate	0.525	0.517	1.5	105	-0.01
38 T	Carbon Tetrachloride	0.532	0.500	6.0	100	-0.01
39 T	Methylcyclohexane	0.556	0.541	2.7	103	0.00
40 TM	Benzene	1.488	1.410	5.2	100	0.00
41 T	Methacrylonitrile	0.271	0.274	-1.1	103	0.00
42 TM	1,2-Dichloroethane	0.566	0.531	6.2	98	0.00
43 T	Isopropyl Acetate	0.860	0.846	1.6	102	0.00
44 TM	Trichloroethene	0.360	0.346	3.9	101	0.00
45 C	1,2-Dichloropropane	0.381	0.366	3.9#	100	0.00
46 T	Dibromomethane	0.277	0.266	4.0	100	0.00
47 T	Bromodichloromethane	0.572	0.558	2.4	99	0.00
48 T	Methyl methacrylate	0.429	0.427	0.5	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX091625

Quant Time: Sep 17 06:47:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.004	0.005	-25.0	106	0.00
50 S	Toluene-d8	1.160	1.077	7.2	101	0.00
51 T	4-Methyl-2-Pentanone	0.477	0.488	-2.3	103	0.00
52 CM	Toluene	0.917	0.883	3.7#	101	0.00
53 T	t-1,3-Dichloropropene	0.584	0.578	1.0	101	0.00
54 T	cis-1,3-Dichloropropene	0.624	0.615	1.4	102	0.00
55 T	1,1,2-Trichloroethane	0.354	0.338	4.5	99	0.00
56 T	Ethyl methacrylate	0.555	0.572	-3.1	103	0.00
57 T	1,3-Dichloropropane	0.607	0.594	2.1	101	0.00
58 T	2-Chloroethyl Vinyl ether	0.227	0.238	-4.8	94	0.00
59 T	2-Hexanone	0.343	0.347	-1.2	104	0.00
60 T	Dibromochloromethane	0.407	0.406	0.2	101	0.00
61 T	1,2-Dibromoethane	0.360	0.355	1.4	101	0.00
62 S	4-Bromofluorobenzene	0.440	0.410	6.8	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64 T	Tetrachloroethene	0.326	0.315	3.4	103	0.00
65 PM	Chlorobenzene	1.136	1.103	2.9	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.392	0.383	2.3	99	0.00
67 C	Ethyl Benzene	1.960	1.953	0.4#	102	0.00
68 T	m/p-Xylenes	0.729	0.722	1.0	101	0.00
69 T	o-Xylene	0.706	0.708	-0.3	101	0.00
70 T	Styrene	1.236	1.225	0.9	101	0.00
71 P	Bromoform	0.293	0.300	-2.4	102	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
73 T	Isopropylbenzene	3.801	3.762	1.0	101	0.00
74 T	N-amyl acetate	1.733	1.746	-0.8	102	0.00
75 P	1,1,2,2-Tetrachloroethane	1.150	1.147	0.3	102	0.00
76 T	1,2,3-Trichloropropane	1.012	1.076	-6.3	104	0.00
77 T	Bromobenzene	0.936	0.902	3.6	100	0.00
78 T	n-propylbenzene	4.494	4.430	1.4	101	0.00
79 T	2-Chlorotoluene	2.752	2.704	1.7	101	0.00
80 T	1,3,5-Trimethylbenzene	3.123	3.127	-0.1	102	0.00
81 T	trans-1,4-Dichloro-2-butene	0.397	0.401	-1.0	106	0.00
82 T	4-Chlorotoluene	3.251	3.196	1.7	101	0.00
83 T	tert-Butylbenzene	3.197	3.177	0.6	103	0.00
84 T	1,2,4-Trimethylbenzene	3.166	3.161	0.2	103	0.00
85 T	sec-Butylbenzene	3.797	3.805	-0.2	103	0.00
86 T	p-Isopropyltoluene	3.215	3.206	0.3	102	0.00
87 T	1,3-Dichlorobenzene	1.739	1.705	2.0	102	0.00
88 T	1,4-Dichlorobenzene	1.785	1.749	2.0	104	0.00
89 T	n-Butylbenzene	2.975	3.020	-1.5	105	0.00
90 T	Hexachloroethane	0.564	0.573	-1.6	105	0.00
91 T	1,2-Dichlorobenzene	1.657	1.634	1.4	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.237	-1.7	102	0.00
93 T	1,2,4-Trichlorobenzene	1.077	1.101	-2.2	104	0.00
94 T	Hexachlorobutadiene	0.366	0.381	-4.1	108	0.00
95 T	Naphthalene	3.279	3.334	-1.7	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	1.023	-2.1	102	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX091625

Quant Time: Sep 17 06:47:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 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	44.592	10.8	99	0.00
3 P	Chloromethane	50.000	43.710	12.6	97	0.00
4 C	Vinyl Chloride	50.000	45.783	8.4#	99	0.00
5 T	Bromomethane	50.000	48.489	3.0	104	0.00
6 T	Chloroethane	50.000	46.575	6.8	101	0.00
7 T	Trichlorofluoromethane	50.000	47.074	5.9	101	0.00
8 T	Diethyl Ether	50.000	46.693	6.6	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.524	3.0	103	0.00
10 T	Methyl Iodide	50.000	46.210	7.6	98	0.00
11 T	Tert butyl alcohol	250.000	256.271	-2.5	110	0.00
12 CM	1,1-Dichloroethene	50.000	47.076	5.8#	100	0.00
13 T	Acrolein	250.000	254.867	-1.9	110	0.00
14 T	Allyl chloride	50.000	46.742	6.5	102	0.00
15 T	Acrylonitrile	250.000	253.567	-1.4	103	0.00
16 T	Acetone	250.000	245.006	2.0	115	0.00
17 T	Carbon Disulfide	50.000	44.966	10.1	100	0.00
18 T	Methyl Acetate	50.000	55.175	-10.3	104	0.00
19 T	Methyl tert-butyl Ether	50.000	48.538	2.9	101	0.00
20 T	Methylene Chloride	50.000	46.000	8.0	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.709	6.6	99	0.00
22 T	Diisopropyl ether	50.000	48.174	3.7	99	-0.01
23 T	Vinyl Acetate	250.000	245.539	1.8	101	0.00
24 P	1,1-Dichloroethane	50.000	48.041	3.9	101	0.00
25 T	2-Butanone	250.000	253.598	-1.4	107	0.00
26 T	2,2-Dichloropropane	50.000	49.494	1.0	105	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.826	2.3	102	0.00
28 T	Bromochloromethane	50.000	46.586	6.8	96	-0.01
29 T	Tetrahydrofuran	250.000	253.375	-1.4	103	0.00
30 C	Chloroform	50.000	48.739	2.5#	101	0.00
31 T	Cyclohexane	50.000	45.999	8.0	101	0.00
32 T	1,1,1-Trichloroethane	50.000	48.978	2.0	101	0.00
33 S	1,2-Dichloroethane-d4	50.000	45.550	8.9	101	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35 S	Dibromofluoromethane	50.000	45.559	8.9	100	0.00
36 T	1,1-Dichloropropene	50.000	46.663	6.7	101	0.00
37 T	Ethyl Acetate	50.000	49.241	1.5	105	-0.01
38 T	Carbon Tetrachloride	50.000	46.935	6.1	100	-0.01
39 T	Methylcyclohexane	50.000	48.597	2.8	103	0.00
40 TM	Benzene	50.000	47.357	5.3	100	0.00
41 T	Methacrylonitrile	50.000	50.490	-1.0	103	0.00
42 TM	1,2-Dichloroethane	50.000	46.867	6.3	98	0.00
43 T	Isopropyl Acetate	50.000	49.136	1.7	102	0.00
44 TM	Trichloroethene	50.000	48.037	3.9	101	0.00
45 C	1,2-Dichloropropane	50.000	48.053	3.9#	100	0.00
46 T	Dibromomethane	50.000	47.976	4.0	100	0.00
47 T	Bromodichloromethane	50.000	48.769	2.5	99	0.00
48 T	Methyl methacrylate	50.000	49.757	0.5	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
 Data File : VX047592.D
 Acq On : 16 Sep 2025 13:35
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX091625

Quant Time: Sep 17 06:47:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 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	1089.520	-9.0	106	0.00
50 S	Toluene-d8	50.000	46.411	7.2	101	0.00
51 T	4-Methyl-2-Pentanone	250.000	255.752	-2.3	103	0.00
52 CM	Toluene	50.000	48.130	3.7#	101	0.00
53 T	t-1,3-Dichloropropene	50.000	49.527	0.9	101	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.257	1.5	102	0.00
55 T	1,1,2-Trichloroethane	50.000	47.772	4.5	99	0.00
56 T	Ethyl methacrylate	50.000	51.490	-3.0	103	0.00
57 T	1,3-Dichloropropane	50.000	48.894	2.2	101	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	225.562	9.8	94	0.00
59 T	2-Hexanone	250.000	253.126	-1.3	104	0.00
60 T	Dibromochloromethane	50.000	49.824	0.4	101	0.00
61 T	1,2-Dibromoethane	50.000	49.297	1.4	101	0.00
62 S	4-Bromofluorobenzene	50.000	46.520	7.0	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64 T	Tetrachloroethene	50.000	48.296	3.4	103	0.00
65 PM	Chlorobenzene	50.000	48.549	2.9	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.794	2.4	99	0.00
67 C	Ethyl Benzene	50.000	49.813	0.4#	102	0.00
68 T	m/p-Xylenes	100.000	98.956	1.0	101	0.00
69 T	o-Xylene	50.000	50.159	-0.3	101	0.00
70 T	Styrene	50.000	49.536	0.9	101	0.00
71 P	Bromoform	50.000	51.207	-2.4	102	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	109	0.00
73 T	Isopropylbenzene	50.000	49.479	1.0	101	0.00
74 T	N-amyl acetate	50.000	50.375	-0.8	102	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.851	0.3	102	0.00
76 T	1,2,3-Trichloropropane	50.000	53.124	-6.2	104	0.00
77 T	Bromobenzene	50.000	48.173	3.7	100	0.00
78 T	n-propylbenzene	50.000	49.295	1.4	101	0.00
79 T	2-Chlorotoluene	50.000	49.117	1.8	101	0.00
80 T	1,3,5-Trimethylbenzene	50.000	50.055	-0.1	102	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	50.543	-1.1	106	0.00
82 T	4-Chlorotoluene	50.000	49.164	1.7	101	0.00
83 T	tert-Butylbenzene	50.000	49.679	0.6	103	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.911	0.2	103	0.00
85 T	sec-Butylbenzene	50.000	50.100	-0.2	103	0.00
86 T	p-Isopropyltoluene	50.000	49.861	0.3	102	0.00
87 T	1,3-Dichlorobenzene	50.000	49.014	2.0	102	0.00
88 T	1,4-Dichlorobenzene	50.000	49.011	2.0	104	0.00
89 T	n-Butylbenzene	50.000	50.752	-1.5	105	0.00
90 T	Hexachloroethane	50.000	50.732	-1.5	105	0.00
91 T	1,2-Dichlorobenzene	50.000	49.304	1.4	102	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	50.918	-1.8	102	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.133	-2.3	104	0.00
94 T	Hexachlorobutadiene	50.000	52.131	-4.3	108	0.00
95 T	Naphthalene	50.000	50.836	-1.7	103	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047592.D
Acq On : 16 Sep 2025 13:35
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX091625

Quant Time: Sep 17 06:47:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.054	-2.1	102	0.00

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3325</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/14/2025</u> <u>10:02</u>
Lab File ID:	<u>VX048153.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.667		28.76	20
Chloromethane	0.680	0.757	0.1	11.32	20
Vinyl Chloride	0.666	0.847		27.18	20
Ethyl Acetate	0.525	0.503		-4.19	20
Bromomethane	0.422	0.520		23.22	20
Chloroethane	0.445	0.518		16.4	20
Trichlorofluoromethane	0.989	1.294		30.84	20
1,1,2-Trichlorotrifluoroethane	0.578	0.719		24.39	20
Tert butyl alcohol	0.089	0.076		-14.61	20
1,1-Dichloroethene	0.594	0.702		18.18	20
Acrolein	0.082	0.090		9.76	20
Acrylonitrile	0.328	0.333		1.52	20
Acetone	0.346	0.318		-8.09	20
Carbon Disulfide	1.626	2.086		28.29	20
Methyl tert-butyl Ether	2.169	2.175		0.28	20
Methyl Acetate	0.770	0.685		-11.04	20
Methylene Chloride	0.732	0.779		6.42	20
trans-1,2-Dichloroethene	0.640	0.738		15.31	20
Vinyl Acetate	1.901	1.901		0	20
1,1-Dichloroethane	1.263	1.365	0.1	8.08	20
Cyclohexane	1.052	1.169		11.12	20
2-Butanone	0.432	0.397		-8.1	20
Carbon Tetrachloride	0.532	0.645		21.24	20
2,2-Dichloropropane	1.050	1.114		6.09	20
cis-1,2-Dichloroethene	0.783	0.834		6.51	20
Bromochloromethane	0.551	0.528		-4.17	20
Chloroform	1.276	1.395		9.33	20
1,1,1-Trichloroethane	1.082	1.227		13.4	20
Methylcyclohexane	0.556	0.660		18.7	20
1,1-Dichloropropene	0.490	0.555		13.27	20
Benzene	1.488	1.679		12.84	20
1,2-Dichloroethane	0.566	0.618		9.19	20
Trichloroethene	0.360	0.415		15.28	20
1,2-Dichloropropane	0.381	0.420		10.24	20
Dibromomethane	0.277	0.303		9.39	20
Bromodichloromethane	0.572	0.658		15.03	20
4-Methyl-2-Pentanone	0.477	0.470		-1.47	20
Toluene	0.917	1.028		12.1	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3325</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/14/2025</u> <u>10:02</u>
Lab File ID:	<u>VX048153.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.584	0.626		7.19	20
cis-1,3-Dichloropropene	0.624	0.683		9.45	20
1,1,2-Trichloroethane	0.354	0.381		7.63	20
1,3-Dichloropropane	0.607	0.669		10.21	20
2-Chloroethyl Vinyl ether	0.227	0.272		19.82	20
2-Hexanone	0.343	0.327		-4.66	20
Dibromochloromethane	0.407	0.473		16.22	20
1,2-Dibromoethane	0.360	0.394		9.44	20
Tetrachloroethene	0.326	0.383		17.49	20
Chlorobenzene	1.136	1.236	0.3	8.8	20
1,1,1,2-Tetrachloroethane	0.392	0.443		13.01	20
Hexachloroethane	0.564	0.646		14.54	20
Ethyl Benzene	1.960	2.162		10.31	20
m/p-Xylenes	0.729	0.814		11.66	20
o-Xylene	0.706	0.754		6.8	20
Styrene	1.236	1.320		6.8	20
Bromoform	0.293	0.316	0.1	7.85	20
Isopropylbenzene	3.801	3.991		5	20
1,1,2,2-Tetrachloroethane	1.150	1.134	0.3	-1.39	20
1,2,3-Trichloropropane	1.012	1.030		1.78	20
Bromobenzene	0.936	0.962		2.78	20
n-propylbenzene	4.494	4.818		7.21	20
2-Chlorotoluene	2.752	2.835		3.02	20
1,3,5-Trimethylbenzene	3.123	3.295		5.51	20
4-Chlorotoluene	3.251	3.366		3.54	20
tert-Butylbenzene	3.197	3.184		-0.41	20
1,2,4-Trimethylbenzene	3.166	3.314		4.68	20
sec-Butylbenzene	3.797	3.999		5.32	20
p-Isopropyltoluene	3.215	3.354		4.32	20
1,3-Dichlorobenzene	1.739	1.779		2.3	20
1,4-Dichlorobenzene	1.785	1.799		0.78	20
n-Butylbenzene	2.975	3.095		4.03	20
1,2-Dichlorobenzene	1.657	1.679		1.33	20
1,2-Dibromo-3-Chloropropane	0.233	0.210		-9.87	20
1,2,4-Trichlorobenzene	1.077	1.027		-4.64	20
Hexachlorobutadiene	0.366	0.361		-1.37	20
Naphthalene	3.279	2.989		-8.84	20
1,2,3-Trichlorobenzene	1.002	0.966		-3.59	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CHEM02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3325</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>10/14/2025</u> <u>10:02</u>
Lab File ID:	<u>VX048153.D</u>	Init. Calib. Date(s):	<u>09/16/2025</u> <u>09/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:23</u> <u>12:01</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.796	0.845		6.16	20
Dibromofluoromethane	0.335	0.391		16.72	20
Toluene-d8	1.160	1.287		10.95	20
4-Bromofluorobenzene	0.440	0.491		11.59	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048153.D
 Acq On : 14 Oct 2025 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/15/2025
 Supervised By : Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 02:39:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	124958	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	212282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	195629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	95000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105555	53.069	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.140%			
35) Dibromofluoromethane	5.367	113	83107	58.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.740%			
50) Toluene-d8	8.634	98	273280	55.475	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.940%			
62) 4-Bromofluorobenzene	11.061	95	104295	55.785	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	83323	64.394	ug/l	99
3) Chloromethane	1.300	50	94592	55.622	ug/l	99
4) Vinyl Chloride	1.380	62	105820	63.566	ug/l	99
5) Bromomethane	1.611	94	64973	61.550	ug/l	99
6) Chloroethane	1.691	64	64713	58.162	ug/l	97
7) Trichlorofluoromethane	1.892	101	161648	65.398	ug/l	97
8) Diethyl Ether	2.136	74	53778	53.186	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	89852	62.168	ug/l	99
10) Methyl Iodide	2.453	142	99997	44.362	ug/l	98
11) Tert butyl alcohol	2.940	59	47281	213.436	ug/l	98
12) 1,1-Dichloroethene	2.325	96	87694	59.068	ug/l	93
13) Acrolein	2.233	56	56174	275.177	ug/l	99
14) Allyl chloride	2.666	41	155995	50.919	ug/l	99
15) Acrylonitrile	3.056	53	208181	253.713	ug/l	99
16) Acetone	2.373	43	198490	229.513	ug/l	98
17) Carbon Disulfide	2.514	76	260707	64.145	ug/l	98
18) Methyl Acetate	2.697	43	85646	44.499	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	271738	50.140	ug/l	100
20) Methylene Chloride	2.788	84	97302	53.153	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	92192	57.678	ug/l	97
22) Diisopropyl ether	3.745	45	312969	52.712	ug/l	89
23) Vinyl Acetate	3.709	43	1187970	249.999	ug/l	100
24) 1,1-Dichloroethane	3.599	63	170542	54.042	ug/l	100
25) 2-Butanone	4.532	43	247988	229.881	ug/l	99
26) 2,2-Dichloropropane	4.465	77	139256	53.086	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	104261	53.263	ug/l	99
28) Bromochloromethane	4.879	49	66003	47.909	ug/l	99
29) Tetrahydrofuran	4.983	42	152425	234.875	ug/l	99
30) Chloroform	5.074	83	174306	54.659	ug/l	97
31) Cyclohexane	5.452	56	146119	55.594	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	153370	56.700	ug/l	98
36) 1,1-Dichloropropene	5.672	75	117898	56.673	ug/l	99
37) Ethyl Acetate	4.690	43	106836	47.964	ug/l	99
38) Carbon Tetrachloride	5.659	117	136874	60.555	ug/l	97
39) Methylcyclohexane	7.366	83	140080	59.319	ug/l	96
40) Benzene	6.019	78	356505	56.422	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048153.D
 Acq On : 14 Oct 2025 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/15/2025
 Supervised By : Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 02:39:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	59489	51.733	ug/l	98
42) 1,2-Dichloroethane	6.068	62	131107	54.535	ug/l	99
43) Isopropyl Acetate	6.318	43	171708	47.003	ug/l	100
44) Trichloroethene	7.104	130	88141	57.700	ug/l	93
45) 1,2-Dichloropropane	7.409	63	89187	55.124	ug/l	98
46) Dibromomethane	7.562	93	64264	54.583	ug/l	98
47) Bromodichloromethane	7.799	83	139683	57.493	ug/l	98
48) Methyl methacrylate	7.671	41	87675	48.182	ug/l	96
49) 1,4-Dioxane	7.641	88	19859	1079.897	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	499181	246.453	ug/l	99
52) Toluene	8.702	92	218251	56.065	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	132903	53.629	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	145065	54.766	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	80937	53.920	ug/l	99
56) Ethyl methacrylate	9.098	69	117815	49.978	ug/l	98
57) 1,3-Dichloropropane	9.293	76	141969	55.058	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	288271	255.570	ug/l	100
59) 2-Hexanone	9.415	43	347109	238.613	ug/l	99
60) Dibromochloromethane	9.500	129	100375	58.035	ug/l	98
61) 1,2-Dibromoethane	9.592	107	83730	54.765	ug/l	100
64) Tetrachloroethene	9.256	164	74940	58.763	ug/l	98
65) Chlorobenzene	10.061	112	241798	54.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	86732	56.554	ug/l	100
67) Ethyl Benzene	10.177	91	423004	55.162	ug/l	100
68) m/p-Xylenes	10.281	106	318453	111.573	ug/l	99
69) o-Xylene	10.622	106	147504	53.430	ug/l	98
70) Styrene	10.640	104	258201	53.377	ug/l	99
71) Bromoform	10.780	173	61853	54.014	ug/l #	98
73) Isopropylbenzene	10.945	105	379155	52.496	ug/l	99
74) N-amyl acetate	10.823	43	150652	45.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	107774	49.321	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	97890m	50.893	ug/l	
77) Bromobenzene	11.183	156	91421	51.393	ug/l	96
78) n-propylbenzene	11.286	91	457693	53.607	ug/l	100
79) 2-Chlorotoluene	11.347	91	269324	51.503	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	312991	52.746	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	35151	46.604	ug/l	98
82) 4-Chlorotoluene	11.433	91	319730	51.769	ug/l	99
83) tert-Butylbenzene	11.695	119	302438	49.789	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	314796	52.326	ug/l	99
85) sec-Butylbenzene	11.872	105	379931	52.657	ug/l	100
86) p-Isopropyltoluene	11.988	119	318657	52.167	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	169017	51.154	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	170864	50.386	ug/l	100
89) n-Butylbenzene	12.311	91	293985	52.013	ug/l	98
90) Hexachloroethane	12.518	117	61342	57.198	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	159552	50.687	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	19922	45.030	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	97532	47.675	ug/l	99
94) Hexachlorobutadiene	13.707	225	34324	49.395	ug/l	99
95) Naphthalene	13.756	128	283930	45.578	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	91741	48.208	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048153.D
Acq On : 14 Oct 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/15/2025
Supervised By :Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 02:39:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 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

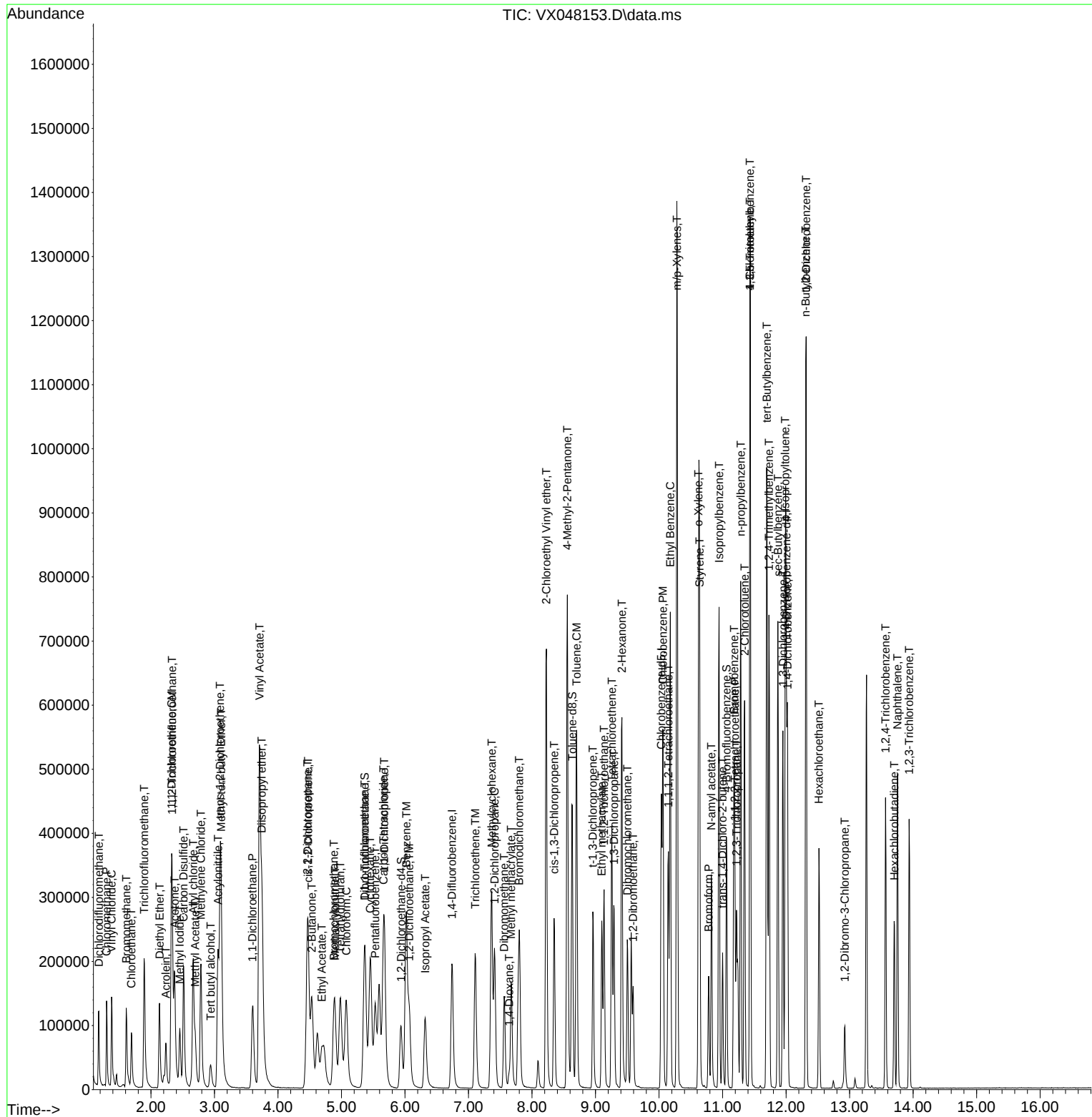
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048153.D
 Acq On : 14 Oct 2025 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
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Quant Time: Oct 15 02:39:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
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Manual Integrations APPROVED

Reviewed By :John Carlone 10/15/2025
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048153.D
 Acq On : 14 Oct 2025 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
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Quant Time: Oct 15 02:39:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 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	72	-0.01
2 T	Dichlorodifluoromethane	0.518	0.667	-28.8#	96	0.00
3 P	Chloromethane	0.680	0.757	-11.3	82	0.00
4 C	Vinyl Chloride	0.666	0.847	-27.2#	92	0.00
5 T	Bromomethane	0.422	0.520	-23.2	88	0.00
6 T	Chloroethane	0.445	0.518	-16.4	84	0.00
7 T	Trichlorofluoromethane	0.989	1.294	-30.8#	94	0.00
8 T	Diethyl Ether	0.405	0.430	-6.2	76	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.578	0.719	-24.4	89	0.00
10 T	Methyl Iodide	0.902	0.800	11.3	63	0.00
11 T	Tert butyl alcohol	0.089	0.076	14.6	61	0.00
12 CM	1,1-Dichloroethene	0.594	0.702	-18.2#	84	0.00
13 T	Acrolein	0.082	0.090	-9.8	79	0.00
14 T	Allyl chloride	1.226	1.248	-1.8	74	0.00
15 T	Acrylonitrile	0.328	0.333	-1.5	69	0.00
16 T	Acetone	0.346	0.318	8.1	72	0.00
17 T	Carbon Disulfide	1.626	2.086	-28.3#	96	0.00
18 T	Methyl Acetate	0.770	0.685	11.0	56	0.00
19 T	Methyl tert-butyl Ether	2.169	2.175	-0.3	70	0.00
20 T	Methylene Chloride	0.732	0.779	-6.4	77	0.00
21 T	trans-1,2-Dichloroethene	0.640	0.738	-15.3	82	0.00
22 T	Diisopropyl ether	2.376	2.505	-5.4	73	-0.01
23 T	Vinyl Acetate	1.901	1.901	0.0	69	0.00
24 P	1,1-Dichloroethane	1.263	1.365	-8.1	76	0.00
25 T	2-Butanone	0.432	0.397	8.1	65	0.00
26 T	2,2-Dichloropropane	1.050	1.114	-6.1	75	0.00
27 T	cis-1,2-Dichloroethene	0.783	0.834	-6.5	74	0.00
28 T	Bromochloromethane	0.551	0.528	4.2	66	-0.01
29 T	Tetrahydrofuran	0.260	0.244	6.2	64	0.00
30 C	Chloroform	1.276	1.395	-9.3#	76	0.00
31 T	Cyclohexane	1.052	1.169	-11.1	82	0.00
32 T	1,1,1-Trichloroethane	1.082	1.227	-13.4	78	0.00
33 S	1,2-Dichloroethane-d4	0.796	0.845	-6.2	79	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	69	0.00
35 S	Dibromofluoromethane	0.335	0.391	-16.7	82	0.00
36 T	1,1-Dichloropropene	0.490	0.555	-13.3	79	-0.01
37 T	Ethyl Acetate	0.525	0.503	4.2	65	-0.01
38 T	Carbon Tetrachloride	0.532	0.645	-21.2	83	-0.01
39 T	Methylcyclohexane	0.556	0.660	-18.7	81	0.00
40 TM	Benzene	1.488	1.679	-12.8	76	0.00
41 T	Methacrylonitrile	0.271	0.280	-3.3	68	0.00
42 TM	1,2-Dichloroethane	0.566	0.618	-9.2	73	0.00
43 T	Isopropyl Acetate	0.860	0.809	5.9	62	0.00
44 TM	Trichloroethene	0.360	0.415	-15.3	77	0.00
45 C	1,2-Dichloropropane	0.381	0.420	-10.2#	73	0.00
46 T	Dibromomethane	0.277	0.303	-9.4	73	0.00
47 T	Bromodichloromethane	0.572	0.658	-15.0	75	0.00
48 T	Methyl methacrylate	0.429	0.413	3.7	63	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048153.D
 Acq On : 14 Oct 2025 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 15 02:39:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	0.004	0.005	-25.0	67	0.00
50 S	Toluene-d8	1.160	1.287	-10.9	78	0.00
51 T	4-Methyl-2-Pentanone	0.477	0.470	1.5	64	0.00
52 CM	Toluene	0.917	1.028	-12.1#	76	0.00
53 T	t-1,3-Dichloropropene	0.584	0.626	-7.2	70	0.00
54 T	cis-1,3-Dichloropropene	0.624	0.683	-9.5	72	0.00
55 T	1,1,2-Trichloroethane	0.354	0.381	-7.6	72	0.00
56 T	Ethyl methacrylate	0.555	0.555	0.0	64	0.00
57 T	1,3-Dichloropropane	0.607	0.669	-10.2	72	0.00
58 T	2-Chloroethyl Vinyl ether	0.227	0.272	-19.8	69	0.00
59 T	2-Hexanone	0.343	0.327	4.7	63	0.00
60 T	Dibromochloromethane	0.407	0.473	-16.2	75	0.00
61 T	1,2-Dibromoethane	0.360	0.394	-9.4	72	0.00
62 S	4-Bromofluorobenzene	0.440	0.491	-11.6	79	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	72	0.00
64 T	Tetrachloroethene	0.326	0.383	-17.5	85	0.00
65 PM	Chlorobenzene	1.136	1.236	-8.8	76	0.00
66 T	1,1,1,2-Tetrachloroethane	0.392	0.443	-13.0	78	0.00
67 C	Ethyl Benzene	1.960	2.162	-10.3#	77	0.00
68 T	m/p-Xylenes	0.729	0.814	-11.7	77	0.00
69 T	o-Xylene	0.706	0.754	-6.8	73	0.00
70 T	Styrene	1.236	1.320	-6.8	74	0.00
71 P	Bromoform	0.293	0.316	-7.8	73	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	74	0.00
73 T	Isopropylbenzene	3.801	3.991	-5.0	73	0.00
74 T	N-amyl acetate	1.733	1.586	8.5	63	0.00
75 P	1,1,2,2-Tetrachloroethane	1.150	1.134	1.4	69	0.00
76 T	1,2,3-Trichloropropane	1.012	1.030	-1.8	68	0.00
77 T	Bromobenzene	0.936	0.962	-2.8	72	0.00
78 T	n-propylbenzene	4.494	4.818	-7.2	75	0.00
79 T	2-Chlorotoluene	2.752	2.835	-3.0	72	0.00
80 T	1,3,5-Trimethylbenzene	3.123	3.295	-5.5	73	0.00
81 T	trans-1,4-Dichloro-2-butene	0.397	0.370	6.8	66	0.00
82 T	4-Chlorotoluene	3.251	3.366	-3.5	73	0.00
83 T	tert-Butylbenzene	3.197	3.184	0.4	70	0.00
84 T	1,2,4-Trimethylbenzene	3.166	3.314	-4.7	74	0.00
85 T	sec-Butylbenzene	3.797	3.999	-5.3	74	0.00
86 T	p-Isopropyltoluene	3.215	3.354	-4.3	73	0.00
87 T	1,3-Dichlorobenzene	1.739	1.779	-2.3	73	0.00
88 T	1,4-Dichlorobenzene	1.785	1.799	-0.8	73	0.00
89 T	n-Butylbenzene	2.975	3.095	-4.0	73	0.00
90 T	Hexachloroethane	0.564	0.646	-14.5	81	0.00
91 T	1,2-Dichlorobenzene	1.657	1.679	-1.3	72	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.233	0.210	9.9	61	0.00
93 T	1,2,4-Trichlorobenzene	1.077	1.027	4.6	66	0.00
94 T	Hexachlorobutadiene	0.366	0.361	1.4	70	0.00
95 T	Naphthalene	3.279	2.989	8.8	63	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048153.D
Acq On : 14 Oct 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 15 02:39:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	0.966	3.6	66	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX101425\
 Data File : VX048153.D
 Acq On : 14 Oct 2025 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 15 02:39:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 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	72	-0.01
2 T	Dichlorodifluoromethane	50.000	64.394	-28.8#	96	0.00
3 P	Chloromethane	50.000	55.622	-11.2	82	0.00
4 C	Vinyl Chloride	50.000	63.566	-27.1#	92	0.00
5 T	Bromomethane	50.000	61.550	-23.1	88	0.00
6 T	Chloroethane	50.000	58.162	-16.3	84	0.00
7 T	Trichlorofluoromethane	50.000	65.398	-30.8#	94	0.00
8 T	Diethyl Ether	50.000	53.186	-6.4	76	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	62.168	-24.3	89	0.00
10 T	Methyl Iodide	50.000	44.362	11.3	63	0.00
11 T	Tert butyl alcohol	250.000	213.436	14.6	61	0.00
12 CM	1,1-Dichloroethene	50.000	59.068	-18.1#	84	0.00
13 T	Acrolein	250.000	275.177	-10.1	79	0.00
14 T	Allyl chloride	50.000	50.919	-1.8	74	0.00
15 T	Acrylonitrile	250.000	253.713	-1.5	69	0.00
16 T	Acetone	250.000	229.513	8.2	72	0.00
17 T	Carbon Disulfide	50.000	64.145	-28.3#	96	0.00
18 T	Methyl Acetate	50.000	44.499	11.0	56	0.00
19 T	Methyl tert-butyl Ether	50.000	50.140	-0.3	70	0.00
20 T	Methylene Chloride	50.000	53.153	-6.3	77	0.00
21 T	trans-1,2-Dichloroethene	50.000	57.678	-15.4	82	0.00
22 T	Diisopropyl ether	50.000	52.712	-5.4	73	-0.01
23 T	Vinyl Acetate	250.000	249.999	0.0	69	0.00
24 P	1,1-Dichloroethane	50.000	54.042	-8.1	76	0.00
25 T	2-Butanone	250.000	229.881	8.0	65	0.00
26 T	2,2-Dichloropropane	50.000	53.086	-6.2	75	0.00
27 T	cis-1,2-Dichloroethene	50.000	53.263	-6.5	74	0.00
28 T	Bromochloromethane	50.000	47.909	4.2	66	-0.01
29 T	Tetrahydrofuran	250.000	234.875	6.0	64	0.00
30 C	Chloroform	50.000	54.659	-9.3#	76	0.00
31 T	Cyclohexane	50.000	55.594	-11.2	82	0.00
32 T	1,1,1-Trichloroethane	50.000	56.700	-13.4	78	0.00
33 S	1,2-Dichloroethane-d4	50.000	53.069	-6.1	79	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	69	0.00
35 S	Dibromofluoromethane	50.000	58.375	-16.8	82	0.00
36 T	1,1-Dichloropropene	50.000	56.673	-13.3	79	-0.01
37 T	Ethyl Acetate	50.000	47.964	4.1	65	-0.01
38 T	Carbon Tetrachloride	50.000	60.555	-21.1	83	-0.01
39 T	Methylcyclohexane	50.000	59.319	-18.6	81	0.00
40 TM	Benzene	50.000	56.422	-12.8	76	0.00
41 T	Methacrylonitrile	50.000	51.733	-3.5	68	0.00
42 TM	1,2-Dichloroethane	50.000	54.535	-9.1	73	0.00
43 T	Isopropyl Acetate	50.000	47.003	6.0	62	0.00
44 TM	Trichloroethene	50.000	57.700	-15.4	77	0.00
45 C	1,2-Dichloropropane	50.000	55.124	-10.2#	73	0.00
46 T	Dibromomethane	50.000	54.583	-9.2	73	0.00
47 T	Bromodichloromethane	50.000	57.493	-15.0	75	0.00
48 T	Methyl methacrylate	50.000	48.182	3.6	63	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX101425\
 Data File : VX048153.D
 Acq On : 14 Oct 2025 10:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: Oct 15 02:39:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 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	1079.897	-8.0	67	0.00
50 S	Toluene-d8	50.000	55.475	-11.0	78	0.00
51 T	4-Methyl-2-Pentanone	250.000	246.453	1.4	64	0.00
52 CM	Toluene	50.000	56.065	-12.1#	76	0.00
53 T	t-1,3-Dichloropropene	50.000	53.629	-7.3	70	0.00
54 T	cis-1,3-Dichloropropene	50.000	54.766	-9.5	72	0.00
55 T	1,1,2-Trichloroethane	50.000	53.920	-7.8	72	0.00
56 T	Ethyl methacrylate	50.000	49.978	0.0	64	0.00
57 T	1,3-Dichloropropane	50.000	55.058	-10.1	72	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	255.570	-2.2	69	0.00
59 T	2-Hexanone	250.000	238.613	4.6	63	0.00
60 T	Dibromochloromethane	50.000	58.035	-16.1	75	0.00
61 T	1,2-Dibromoethane	50.000	54.765	-9.5	72	0.00
62 S	4-Bromofluorobenzene	50.000	55.785	-11.6	79	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	72	0.00
64 T	Tetrachloroethene	50.000	58.763	-17.5	85	0.00
65 PM	Chlorobenzene	50.000	54.406	-8.8	76	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	56.554	-13.1	78	0.00
67 C	Ethyl Benzene	50.000	55.162	-10.3#	77	0.00
68 T	m/p-Xylenes	100.000	111.573	-11.6	77	0.00
69 T	o-Xylene	50.000	53.430	-6.9	73	0.00
70 T	Styrene	50.000	53.377	-6.8	74	0.00
71 P	Bromoform	50.000	54.014	-8.0	73	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	74	0.00
73 T	Isopropylbenzene	50.000	52.496	-5.0	73	0.00
74 T	N-amyl acetate	50.000	45.741	8.5	63	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.321	1.4	69	0.00
76 T	1,2,3-Trichloropropane	50.000	50.893	-1.8	68	0.00
77 T	Bromobenzene	50.000	51.393	-2.8	72	0.00
78 T	n-propylbenzene	50.000	53.607	-7.2	75	0.00
79 T	2-Chlorotoluene	50.000	51.503	-3.0	72	0.00
80 T	1,3,5-Trimethylbenzene	50.000	52.746	-5.5	73	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	46.604	6.8	66	0.00
82 T	4-Chlorotoluene	50.000	51.769	-3.5	73	0.00
83 T	tert-Butylbenzene	50.000	49.789	0.4	70	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.326	-4.7	74	0.00
85 T	sec-Butylbenzene	50.000	52.657	-5.3	74	0.00
86 T	p-Isopropyltoluene	50.000	52.167	-4.3	73	0.00
87 T	1,3-Dichlorobenzene	50.000	51.154	-2.3	73	0.00
88 T	1,4-Dichlorobenzene	50.000	50.386	-0.8	73	0.00
89 T	n-Butylbenzene	50.000	52.013	-4.0	73	0.00
90 T	Hexachloroethane	50.000	57.198	-14.4	81	0.00
91 T	1,2-Dichlorobenzene	50.000	50.687	-1.4	72	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	45.030	9.9	61	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.675	4.7	66	0.00
94 T	Hexachlorobutadiene	50.000	49.395	1.2	70	0.00
95 T	Naphthalene	50.000	45.578	8.8	63	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048153.D
Acq On : 14 Oct 2025 10:02
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Oct 15 02:39:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.208	3.6	66	0.00

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



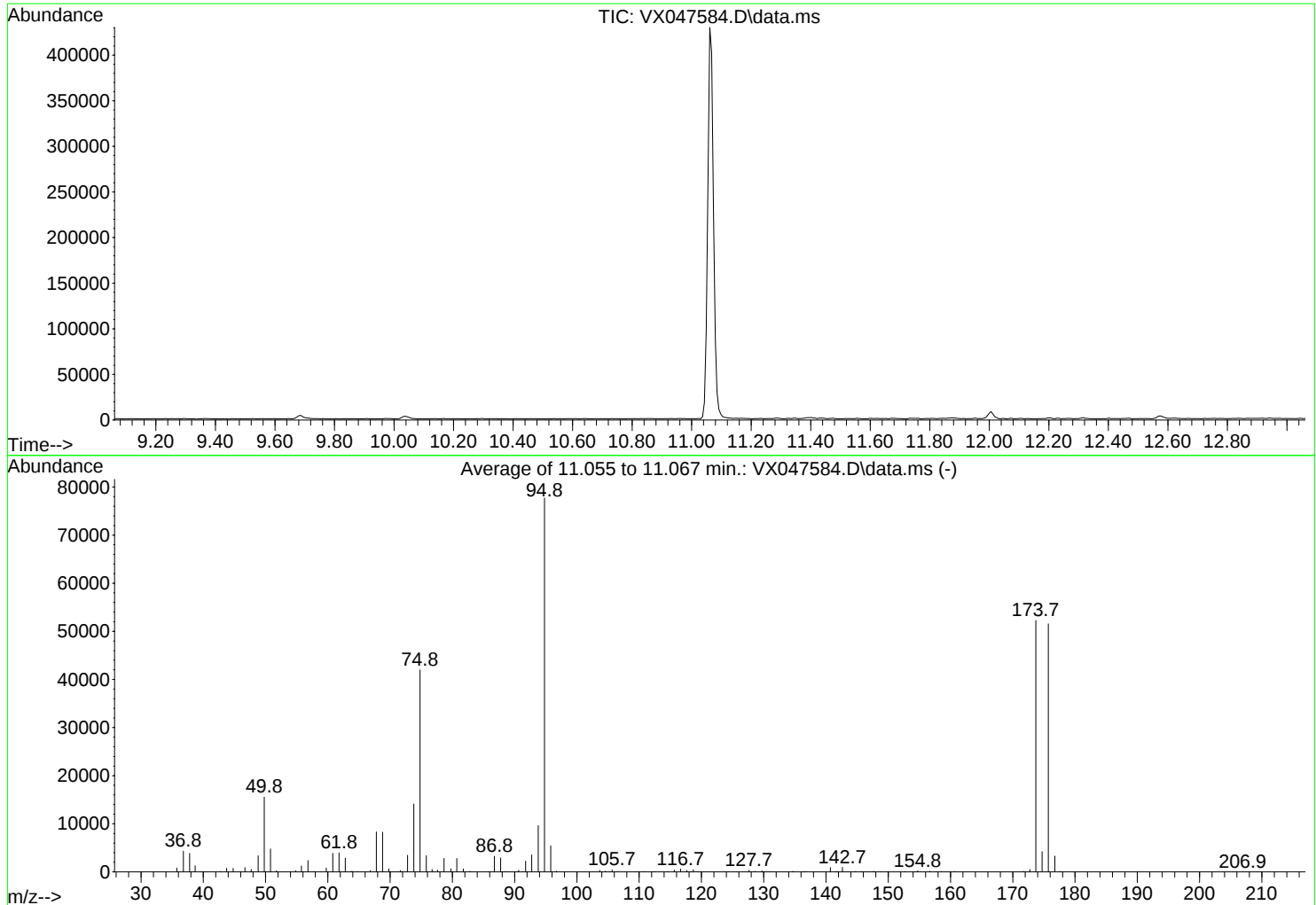
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091625\
Data File : VX047584.D
Acq On : 16 Sep 2025 08:56
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\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

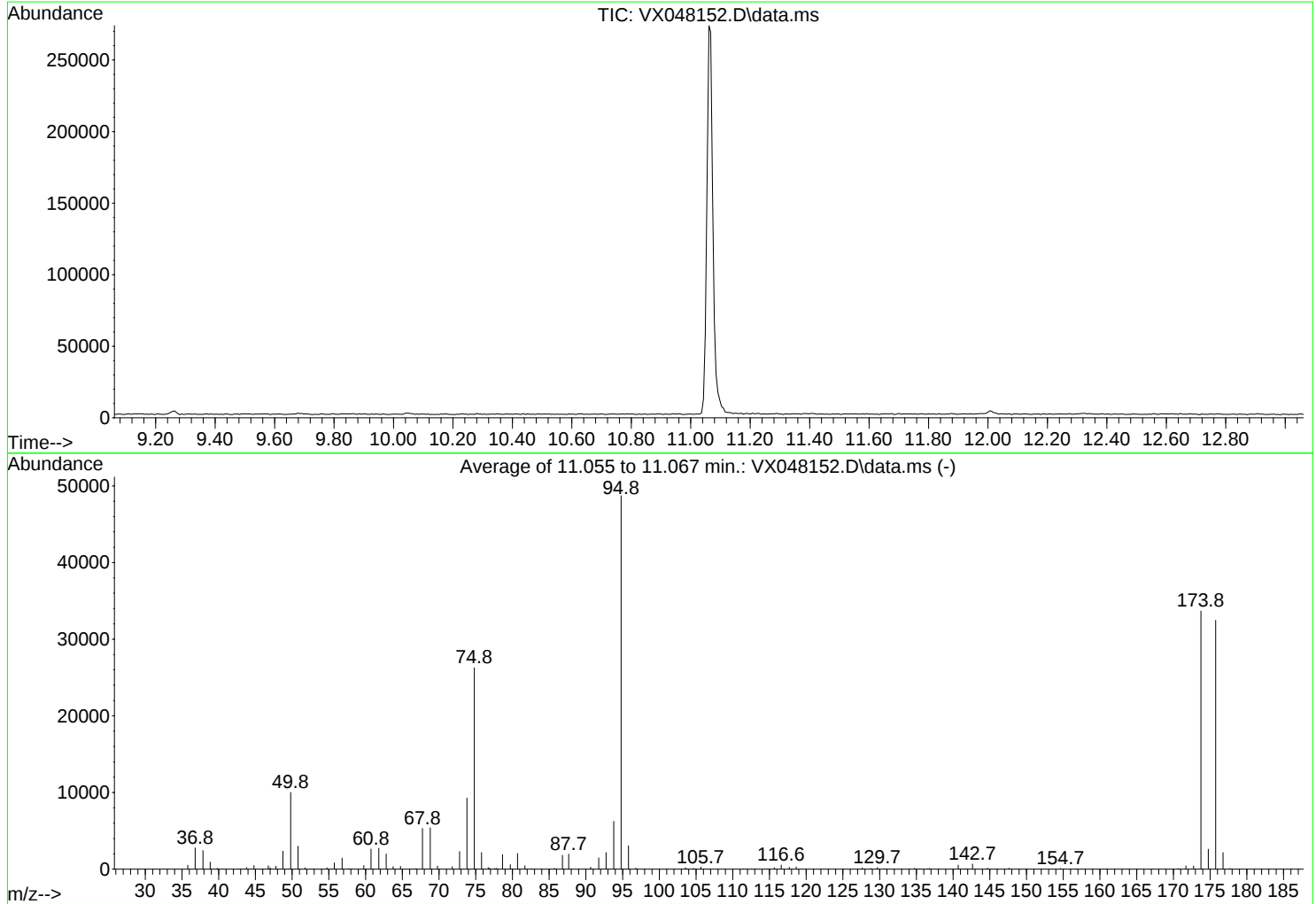
Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	15	40	20.0	15566	PASS
75	95	30	60	54.0	41979	PASS
95	95	100	100	100.0	77717	PASS
96	95	5	9	7.0	5432	PASS
173	174	0.00	2	1.0	507	PASS
174	95	50	100	67.3	52275	PASS
175	174	5	9	8.1	4209	PASS
176	174	95	101	98.6	51560	PASS
177	176	5	9	6.4	3311	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048152.D
Acq On : 14 Oct 2025 09:33
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\82X091625W.M
Title : SW846 8260
Last Update : Wed Sep 17 06:39:58 2025



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	10025	PASS
75	95	30	60	53.9	26259	PASS
95	95	100	100	100.0	48723	PASS
96	95	5	9	6.2	3044	PASS
173	174	0.00	2	1.2	399	PASS
174	95	50	100	69.1	33677	PASS
175	174	5	9	7.7	2598	PASS
176	174	95	101	96.5	32483	PASS
177	176	5	9	6.7	2171	PASS

Manual Integration Report

Sequence:

vx091625

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047585.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dichlorobenzene	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC001	VX047585.D	1,4-Dioxane	JOHN	9/17/2025 8:25:46 AM	MMDadoda	9/18/2025 3:22:10 PM	Peak Integrated by Software
VSTDICC005	VX047586.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:50 AM	MMDadoda	9/18/2025 3:22:12 PM	Peak Integrated by Software
VSTDICC020	VX047587.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:25:57 AM	MMDadoda	9/18/2025 3:22:15 PM	Peak Integrated by Software
VSTDICCC050	VX047588.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:01 AM	MMDadoda	9/18/2025 3:22:17 PM	Peak Integrated by Software
VSTDICC100	VX047589.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:06 AM	MMDadoda	9/18/2025 3:22:20 PM	Peak Integrated by Software
VSTDICC150	VX047590.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:11 AM	MMDadoda	9/18/2025 3:22:24 PM	Peak Integrated by Software
VSTDICV050	VX047592.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:15 AM	MMDadoda	9/18/2025 3:22:26 PM	Peak Integrated by Software
VSTDCCC050	VX047599.D	1,2,3-Trichloropropane	JOHN	9/17/2025 8:26:34 AM	MMDadoda	9/18/2025 3:22:31 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VX101425	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048153.D	1,2,3-Trichloropropane	JOHN	10/15/2025 12:05:59 PM	MMDadoda	10/16/2025 2:42:43 AM	Peak Integrated by Software
VSTDCCC050	VX048179.D	1,2,3-Trichloropropane	JOHN	10/15/2025 12:07:14 PM	MMDadoda	10/16/2025 2:43:11 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM
Supervise By	Mahesh Dadoda	Supervise On	9/18/2025 3:22:52 PM
SubDirectory	VX091625	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135487		
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494		
CCC	VP135488		
Internal Standard/PEM			
ICV/I.BLK	VP135495		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047584.D	16 Sep 2025 08:56	JC/MD	Ok
2	VSTDICC001	VX047585.D	16 Sep 2025 09:23	JC/MD	Ok,M
3	VSTDICC005	VX047586.D	16 Sep 2025 10:16	JC/MD	Ok,M
4	VSTDICC020	VX047587.D	16 Sep 2025 10:37	JC/MD	Ok,M
5	VSTDICCC050	VX047588.D	16 Sep 2025 10:58	JC/MD	Ok,M
6	VSTDICC100	VX047589.D	16 Sep 2025 11:40	JC/MD	Ok,M
7	VSTDICC150	VX047590.D	16 Sep 2025 12:01	JC/MD	Ok,M
8	IBLK	VX047591.D	16 Sep 2025 12:22	JC/MD	Ok
9	VSTDICV050	VX047592.D	16 Sep 2025 13:35	JC/MD	Ok,M
10	VX0916MBL01	VX047593.D	16 Sep 2025 14:03	JC/MD	Ok
11	VX0916WBL01	VX047594.D	16 Sep 2025 14:53	JC/MD	Ok
12	VX0916WBS01	VX047595.D	16 Sep 2025 15:21	JC/MD	Ok,M
13	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46	JC/MD	Ok,M
14	Q3015-01	VX047597.D	16 Sep 2025 16:07	JC/MD	Ok,M
15	VIBLK	VX047598.D	16 Sep 2025 16:30	JC/MD	Ok
16	VSTDCCC050	VX047599.D	16 Sep 2025 16:51	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX101425

Review By	Mahesh Dadoda	Review On	10/16/2025 2:42:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/16/2025 2:46:27 AM
SubDirectory	VX101425	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135811		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135812,VP135813		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048152.D	14 Oct 2025 09:33	JC/MD	Ok
2	VSTDCCC050	VX048153.D	14 Oct 2025 10:02	JC/MD	Ok,M
3	VX1014MBL01	VX048154.D	14 Oct 2025 10:32	JC/MD	Ok
4	VX1014WBL01	VX048155.D	14 Oct 2025 10:52	JC/MD	Ok
5	VX1014WBS01	VX048156.D	14 Oct 2025 11:20	JC/MD	Ok,M
6	VX1014WBSD01	VX048157.D	14 Oct 2025 11:47	JC/MD	Ok,M
7	Q3311-13DL	VX048158.D	14 Oct 2025 12:28	JC/MD	Not Ok
8	Q3311-14	VX048159.D	14 Oct 2025 12:49	JC/MD	ReRun
9	Q3311-14DL	VX048160.D	14 Oct 2025 13:09	JC/MD	ReRun
10	Q3311-15	VX048161.D	14 Oct 2025 13:30	JC/MD	ReRun
11	Q3312-01	VX048162.D	14 Oct 2025 13:50	JC/MD	Not Ok
12	VX1014MBS01	VX048163.D	14 Oct 2025 14:11	JC/MD	Ok,M
13	VX1014MBSD01	VX048164.D	14 Oct 2025 14:31	JC/MD	Ok,M
14	Q3276-01	VX048165.D	14 Oct 2025 14:52	JC/MD	Not Ok
15	Q3276-02	VX048166.D	14 Oct 2025 15:13	JC/MD	Ok,M
16	IBLK	VX048167.D	14 Oct 2025 15:33	JC/MD	Ok
17	Q3276-01	VX048168.D	14 Oct 2025 15:54	JC/MD	Ok
18	IBLK	VX048169.D	14 Oct 2025 16:14	JC/MD	Ok
19	Q3345-07	VX048170.D	14 Oct 2025 16:35	JC/MD	Ok
20	Q3312-01	VX048171.D	14 Oct 2025 16:56	JC/MD	Ok
21	Q3325-07	VX048172.D	14 Oct 2025 17:16	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX101425

Review By	Mahesh Dadoda	Review On	10/16/2025 2:42:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/16/2025 2:46:27 AM
SubDirectory	VX101425	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135811		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135812,VP135813		

22	Q3325-08	VX048173.D	14 Oct 2025 17:37	JC/MD	Ok
23	Q3325-09	VX048174.D	14 Oct 2025 17:57	JC/MD	Ok
24	Q3325-10	VX048175.D	14 Oct 2025 18:18	JC/MD	Ok
25	Q3311-02	VX048176.D	14 Oct 2025 18:38	JC/MD	ReRun
26	Q3311-03MS	VX048177.D	14 Oct 2025 18:59	JC/MD	Ok,M
27	Q3311-04MSD	VX048178.D	14 Oct 2025 19:20	JC/MD	Ok,M
28	VSTDCCC050	VX048179.D	14 Oct 2025 19:40	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX091625

Review By	John Carlone	Review On	9/17/2025 8:27:00 AM
Supervise By	Maresh Dadoda	Supervise On	9/18/2025 3:22:52 PM
SubDirectory	VX091625	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135487		
Initial Calibration Stds	VP135489,VP135490,VP135491,VP135492,VP135493,VP135494		
CCC	VP135488		
Internal Standard/PEM			
ICV/I.BLK	VP135495		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047584.D	16 Sep 2025 08:56		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX047585.D	16 Sep 2025 09:23		JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX047586.D	16 Sep 2025 10:16	QR-58	JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX047587.D	16 Sep 2025 10:37		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX047588.D	16 Sep 2025 10:58		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX047589.D	16 Sep 2025 11:40		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX047590.D	16 Sep 2025 12:01		JC/MD	Ok,M
8	IBLK	IBLK	VX047591.D	16 Sep 2025 12:22		JC/MD	Ok
9	VSTDICV050	ICVVX091625	VX047592.D	16 Sep 2025 13:35		JC/MD	Ok,M
10	VX0916MBL01	VX0916MBL01	VX047593.D	16 Sep 2025 14:03		JC/MD	Ok
11	VX0916WBL01	VX0916WBL01	VX047594.D	16 Sep 2025 14:53		JC/MD	Ok
12	VX0916WBS01	VX0916WBS01	VX047595.D	16 Sep 2025 15:21		JC/MD	Ok,M
13	VX0916WBSD01	VX0916WBSD01	VX047596.D	16 Sep 2025 15:46		JC/MD	Ok,M
14	Q3015-01	WP0925-PT-VOA-WP	VX047597.D	16 Sep 2025 16:07		JC/MD	Ok,M
15	VIBLK	VIBLK	VX047598.D	16 Sep 2025 16:30		JC/MD	Ok
16	VSTDIC050	VSTDIC050EC	VX047599.D	16 Sep 2025 16:51		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX101425

Review By	Maresh Dadoda	Review On	10/16/2025 2:42:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/16/2025 2:46:27 AM
SubDirectory	VX101425	HP Acquire Method	HP Processing Method 82X091625W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135811
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135812,VP135813

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048152.D	14 Oct 2025 09:33		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048153.D	14 Oct 2025 10:02		JC/MD	Ok,M
3	VX1014MBL01	VX1014MBL01	VX048154.D	14 Oct 2025 10:32		JC/MD	Ok
4	VX1014WBL01	VX1014WBL01	VX048155.D	14 Oct 2025 10:52		JC/MD	Ok
5	VX1014WBS01	VX1014WBS01	VX048156.D	14 Oct 2025 11:20	Recovery failed low for comp. #18,19	JC/MD	Ok,M
6	VX1014WBSD01	VX1014WBSD01	VX048157.D	14 Oct 2025 11:47	Recovery failed low for comp. #18	JC/MD	Ok,M
7	Q3311-13DL	MW-215DDL	VX048158.D	14 Oct 2025 12:28	Not match	JC/MD	Not Ok
8	Q3311-14	MW-227B	VX048159.D	14 Oct 2025 12:49	Need 5X;BS failed low	JC/MD	ReRun
9	Q3311-14DL	MW-227BDL	VX048160.D	14 Oct 2025 13:09	BS failed low	JC/MD	ReRun
10	Q3311-15	GW-DUP	VX048161.D	14 Oct 2025 13:30	BS failed low	JC/MD	ReRun
11	Q3312-01	362Kingsland-001S	VX048162.D	14 Oct 2025 13:50	Need Straight Run	JC/MD	Not Ok
12	VX1014MBS01	VX1014MBS01	VX048163.D	14 Oct 2025 14:11	Recovery failed low for comp. #73,93	JC/MD	Ok,M
13	VX1014MBSD01	VX1014MBSD01	VX048164.D	14 Oct 2025 14:31		JC/MD	Ok,M
14	Q3276-01	SB2	VX048165.D	14 Oct 2025 14:52	Need Straight Run	JC/MD	Not Ok
15	Q3276-02	SB2A	VX048166.D	14 Oct 2025 15:13	MBS failed low	JC/MD	Ok,M
16	IBLK	IBLK	VX048167.D	14 Oct 2025 15:33		JC/MD	Ok
17	Q3276-01	SB2	VX048168.D	14 Oct 2025 15:54	MBS failed low	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX101425

Review By	Maresh Dadoda	Review On	10/16/2025 2:42:04 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/16/2025 2:46:27 AM
SubDirectory	VX101425	HP Acquire Method	HP Processing Method 82X091625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135811		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135812,VP135813		

18	IBLK	IBLK	VX048169.D	14 Oct 2025 16:14		JC/MD	Ok
19	Q3345-07	TANK-FARM-WATER	VX048170.D	14 Oct 2025 16:35		JC/MD	Ok
20	Q3312-01	362Kingsland-001S	VX048171.D	14 Oct 2025 16:56		JC/MD	Ok
21	Q3325-07	STORAGE-BLANK-SAI	VX048172.D	14 Oct 2025 17:16		JC/MD	Ok
22	Q3325-08	STORAGE-BLANK-WA	VX048173.D	14 Oct 2025 17:37		JC/MD	Ok
23	Q3325-09	STORAGE-BLANK-WA	VX048174.D	14 Oct 2025 17:57		JC/MD	Ok
24	Q3325-10	STORAGE-BLANK-SAI	VX048175.D	14 Oct 2025 18:18		JC/MD	Ok
25	Q3311-02	MW-219	VX048176.D	14 Oct 2025 18:38	BS failed low	JC/MD	ReRun
26	Q3311-03MS	MW-219MS	VX048177.D	14 Oct 2025 18:59		JC/MD	Ok,M
27	Q3311-04MSD	MW-219MSD	VX048178.D	14 Oct 2025 19:20		JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX048179.D	14 Oct 2025 19:40		JC/MD	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/15/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:40
Out Date: 10/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137490

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3323-01	SED-01-0-2	1	1.15	10.84	11.99	8.39	66.8	
Q3323-02	SED-02-0-2	2	1.19	10.07	11.26	6.96	57.3	
Q3323-03	SED-03-0-2	3	1.19	10.97	12.16	9.05	71.6	
Q3323-04	SED-04-0-2	4	1.13	11.34	12.47	9.09	70.2	
Q3323-05	SED-05-0-2	5	1.19	10.26	11.45	9.13	77.4	
Q3323-06	SED-06-0-2	6	1.13	10.78	11.91	9.84	80.8	
Q3323-07	SED-07-0-2	7	1.14	10.46	11.6	9.63	81.2	
Q3325-01	SVOC-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q3325-02	PEST-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q3325-03	PEST-GPC-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q3325-04	SVOC-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q3325-05	PEST-GPC2-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q3325-06	PEST -GPC2-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q3326-01	TP-1	14	1.14	10.71	11.85	10.6	88.3	
Q3326-02	TP-1-EPH	15	1.16	10.31	11.47	10.28	88.5	
Q3326-03	TP-1-VOC	16	1.18	11.20	12.38	11.12	88.7	
Q3326-05	TP-2	17	1.11	10.49	11.6	10.35	88.1	
Q3326-06	TP-2-EPH	18	1.19	10.53	11.72	10.64	89.7	
Q3326-07	TP-2-VOC	19	1.14	10.84	11.98	10.86	89.7	
Q3327-01	HADLEY-ROAD-TP	20	1.15	10.77	11.92	10.65	88.2	
Q3329-01	106	21	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3332-01	100225-D	22	1.16	10.32	11.48	10.41	89.6	
Q3333-01	100725-A	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3334-01	100325	24	1.00	1.00	2.00	2.00	100.0	debris

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

15120

WorkList Name : %1-101025 WorkList ID : 192391 Department : Wet-Chemistry Date : 10-10-2025 10:38:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3323-01	SED-01-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-02	SED-02-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-03	SED-03-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-04	SED-04-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-05	SED-05-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-06	SED-06-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3323-07	SED-07-0-2	Solid	Percent Solids	Cool 4 deg C	LANG01	D31	10/09/2025	Chemtech -SO
Q3325-01	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3325-02	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3325-03	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3325-04	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3325-05	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3325-06	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	10/03/2025	Chemtech -SO
Q3326-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3326-02	TP-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3326-03	TP-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3326-05	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3326-06	TP-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3326-07	TP-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3327-01	HADLEY-ROAD	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO
Q3329-01	106	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO

Date/Time 10/10/25 15:20
 Raw Sample Received by: SO WLC
 Raw Sample Relinquished by: SO WLC

27137490

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-101025 WorkList ID : 192391 Department : Wet-Chemistry Date : 10-10-2025 10:38:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3332-01	100225-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/10/2025	Chemtech -SO
Q3333-01	100725-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D11	10/10/2025	Chemtech -SO
Q3334-01	100325	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/10/2025	Chemtech -SO

Date/Time 10/10/25 15:20
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 10/10/25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q3325

COC Number:

CLIENT INFORMATION			PROJECT INFORMATION				BILLING INFORMATION												
COMPANY: Alliance Technical Group, LLC - Newark			PROJECT NAME: Weekly Storage Blanks				BILL TO: PO#												
ADDRESS: 284 Sheffield Street			PROJECT #: LOCATION:				ADDRESS:												
CITY Mountainside STATE: NJ ZIP: 07092			PROJECT MANAGER:				CITY: STATE: ZIP:												
ATTENTION:			E-MAIL:				ATTENTION: PHONE:												
PHONE: FAX:			PHONE: FAX:																
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION				ANALYSIS												
FAX: NA DAYS*			☐ RESULTS ONLY ☐ USEPA CLP																
HARD COPY: 10 DAYS*			☐ RESULTS + QC ☐ New York State ASP "B"																
EDD NA DAYS*			☐ New Jersey REDUCED ☐ New York State ASP "A"																
* TO BE APPROVED BY ALLIANCE			☐ New Jersey CLP ☐ Other																
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			☐ EDD Format																
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PRESERVATIVES									COMMENTS		
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9			
1.	STORAGE-BLANK-SOIL-REF-6	AQ		X			2	X											
2.	STORAGE-BLANK-WATER-REF-5	AQ		X			2	X											
3.	STORAGE-BLANK-WATER-REF-4	AQ		X			2	X											
4.	STORAGE-BLANK-SAMPLE-MANAGEMENT	AQ		X			2	X											
5.	SVOC-GPC-BLANK	SO		X			1		X										
6.	PEST-GPC-BLANK	SO		X			1			X									
7.	PEST-GPC-BLANK-SPIKE	SO		X			1			X									
8.	SVOC-GPC2-BLANK	SO		X			1		X										
9.	PEST-GPC2-BLANK	SO		X			1			X									
10.	PEST-GPC2-BLANK-SPIKE	SO		X			1			X									
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																			
RELINQUISHED BY SAMPLER		DATE/TIME	RECEIVED BY		Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.0 ☐ Ice in Cooler?:														
1. Sam		10/10/25			MeOH extraction requires an additional 4oz. Jar for percent solid														
RELINQUISHED BY		DATE/TIME	RECEIVED BY		Comments:														
2.			2.																
RELINQUISHED BY		DATE/TIME	RECEIVED FOR LAB BY		SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight														
3.			3.		ALLIANCE: ☐ Picked Up ☐ Overnight														
															Shipment Complete ☐ YES ☐ NO				

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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