

Cover Page

Order ID : Q2837

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number

Q2837-01

Client Sample Number

TW-WTS-13

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 8/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2837

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 08/20/2025

LAB CHRONICLE

OrderID:	Q2837	OrderDate:	8/12/2025 1:00:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Austin Farmerie	Location:	J23,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2837-01	TW-WTS-13	Water	VOCMS Group4	8260-Low	08/12/25		08/15/25	08/12/25

Hit Summary Sheet
SW-846

SDG No.: Q2837

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	TW-WTS-13							
Q2837-01	TW-WTS-13	Water	Chloroform	0.55	J	0.25	1.00	ug/L
Q2837-01	TW-WTS-13	Water	Benzene	0.81	J	0.15	1.00	ug/L
Q2837-01	TW-WTS-13	Water	Toluene	0.61	J	0.14	1.00	ug/L
Q2837-01	TW-WTS-13	Water	Ethyl Benzene	0.61	J	0.13	1.00	ug/L
Q2837-01	TW-WTS-13	Water	Total Xylenes	0.66	J	0.36	3.00	ug/L
Total Voc :				3.24				
Total Concentration:				3.24				



QC SUMMARY

Surrogate Summary

SDG No.: Q2837

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2837-01	TW-WTS-13	1,2-Dichloroethane-d4	50	58.3	117		70 (74)	130 (125)
		Dibromofluoromethane	50	44.2	88		70 (75)	130 (124)
		Toluene-d8	50	52.8	106		70 (86)	130 (113)
		4-Bromofluorobenzene	50	59.2	118		70 (77)	130 (121)
VX0815WBL01	VX0815WBL01	1,2-Dichloroethane-d4	50	57.3	115		70 (74)	130 (125)
		Dibromofluoromethane	50	54.4	109		70 (75)	130 (124)
		Toluene-d8	50	51.5	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.2	114		70 (77)	130 (121)
VX0815WBS01	VX0815WBS01	1,2-Dichloroethane-d4	50	50.5	101		70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101		70 (75)	130 (124)
		Toluene-d8	50	50.8	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.1	104		70 (77)	130 (121)
VX0815WBSD0	VX0815WBSD01	1,2-Dichloroethane-d4	50	52.3	105		70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101		70 (75)	130 (124)
		Toluene-d8	50	50.3	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.3	107		70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2837</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ENTACT</u>	Datafile :	<u>VX047360.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0815WBS01	Methyl tert-butyl Ether	20	17.1	ug/L	86			70 (78)	130 (114)	
	Carbon Tetrachloride	20	16.8	ug/L	84			70 (77)	130 (113)	
	Chloroform	20	17.2	ug/L	86			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	16.8	ug/L	84			70 (80)	130 (108)	
	Benzene	20	17.3	ug/L	86			70 (82)	130 (109)	
	Toluene	20	17.6	ug/L	88			70 (82)	130 (110)	
	Tetrachloroethene	20	16.9	ug/L	85			70 (67)	130 (123)	
	Ethyl Benzene	20	17.1	ug/L	86			70 (83)	130 (109)	
	m/p-Xylenes	40	34.7	ug/L	87			70 (82)	130 (110)	
	o-Xylene	20	17.1	ug/L	86			70 (83)	130 (109)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2837</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ENTACT</u>	Datafile :	<u>VX047361.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0815WBSD01	Methyl tert-butyl Ether	20	18.0	ug/L	90	5		70 (78)	130 (114)	20 (20)
	Carbon Tetrachloride	20	16.5	ug/L	83	1		70 (77)	130 (113)	20 (15)
	Chloroform	20	17.8	ug/L	89	3		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	17.2	ug/L	86	2		70 (80)	130 (108)	20 (20)
	Benzene	20	17.3	ug/L	86	0		70 (82)	130 (109)	20 (15)
	Toluene	20	17.6	ug/L	88	0		70 (82)	130 (110)	20 (16)
	Tetrachloroethene	20	16.9	ug/L	85	0		70 (67)	130 (123)	20 (15)
	Ethyl Benzene	20	17.0	ug/L	85	1		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	34.5	ug/L	86	1		70 (82)	130 (110)	20 (15)
	o-Xylene	20	17.2	ug/L	86	0		70 (83)	130 (109)	20 (20)

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0815WBL01

Lab Name: Alliance

Contract: ENTA05

Lab Code: ACE

SDG NO.: Q2837

Lab File ID: VX047358.D

Lab Sample ID: VX0815WBL01

Date Analyzed: 08/15/2025

Time Analyzed: 13:39

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0815WBS01	VX0815WBS01	VX047360.D	08/15/2025
VX0815WBSD01	VX0815WBSD01	VX047361.D	08/15/2025
TW-WTS-13	Q2837-01	VX047368.D	08/15/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ENTA05

Lab Code: ACE

SDG NO.: Q2837

Lab File ID: VX047347.D

BFB Injection Date: 08/15/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:28

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VX047349.D	08/15/2025	09:40
VSTDIC020	VSTDIC020	VX047350.D	08/15/2025	10:01
VSTDIC050	VSTDIC050	VX047351.D	08/15/2025	10:22
VSTDIC100	VSTDIC100	VX047352.D	08/15/2025	10:43
VSTDIC150	VSTDIC150	VX047353.D	08/15/2025	11:05
VSTDIC001	VSTDIC001	VX047356.D	08/15/2025	12:30
VX0815WBL01	VX0815WBL01	VX047358.D	08/15/2025	13:39
VX0815WBS01	VX0815WBS01	VX047360.D	08/15/2025	14:21
VX0815WBSD01	VX0815WBSD01	VX047361.D	08/15/2025	14:49
TW-WTS-13	Q2837-01	VX047368.D	08/15/2025	17:19

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENTA05
 Lab Code: ACE SDG NO.: Q2837
 Lab File ID: VX047351.D Date Analyzed: 08/15/2025
 Instrument ID: MSVOA_X Time Analyzed: 10:22
 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	238847	5.57	405572	6.77	363128	10.06
UPPER LIMIT	477694	6.068	811144	7.269	726256	10.555
LOWER LIMIT	119424	5.068	202786	6.269	181564	9.555
EPA SAMPLE NO.						
TW-WTS-13	327465	5.57	657401	6.77	647442	10.06
VX0815WBL01	213035	5.56	413649	6.76	396719	10.06
VX0815WBS01	251230	5.56	424536	6.77	385995	10.06
VX0815WBSD01	232894	5.56	402024	6.76	366622	10.06

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>ENTA05</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2837</u>
Lab File ID:	<u>VX047351.D</u>	Date Analyzed:	<u>08/15/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>10:22</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	177366	12.018				
UPPER LIMIT	354732	12.518				
LOWER LIMIT	88683	11.518				
EPA SAMPLE NO.						
TW-WTS-13	331594	12.02				
VX0815WBL01	194794	12.02				
VX0815WBS01	195233	12.02				
VX0815WBSD01	184649	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Report of Analysis

Client:	ENTACT			Date Collected:	08/12/25	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	08/12/25	
Client Sample ID:	TW-WTS-13			SDG No.:	Q2837	
Lab Sample ID:	Q2837-01			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group4	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047368.D	1	08/15/25 17:19	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.55	J	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.81	J	0.15	1.00	ug/L
108-88-3	Toluene	0.61	J	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
100-41-4	Ethyl Benzene	0.61	J	0.13	1.00	ug/L
1330-20-7	Total Xylenes	0.66	J	0.36	3.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.3		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	44.2		70 (75) - 130 (124)	88%	SPK: 50
2037-26-5	Toluene-d8	52.8		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.2		70 (77) - 130 (121)	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	327000	5.568			
540-36-3	1,4-Difluorobenzene	657000	6.769			
3114-55-4	Chlorobenzene-d5	647000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	332000	12.018			

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\VX081525\
 Data File : VX047368.D
 Acq On : 15 Aug 2025 17:19
 Operator : JC/MD
 Sample : Q2837-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-WTS-13

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:36:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	327465	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	657401	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	647442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	331594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	267268	58.318	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.640%			
35) Dibromofluoromethane	5.403	113	188578	44.199	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.400%			
50) Toluene-d8	8.653	98	805553	52.823	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.640%			
62) 4-Bromofluorobenzene	11.079	95	333173	59.204	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.400%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	8438	21.164	ug/l #	83
16) Acetone	2.392	43	303393	176.120	ug/l	99
17) Carbon Disulfide	2.532	76	6900	0.555	ug/l #	80
25) 2-Butanone	4.605	43	8863m	3.928	ug/l	
30) Chloroform	5.105	83	4504	0.552	ug/l #	83
40) Benzene	6.050	78	16286	0.808	ug/l	91
52) Toluene	8.726	92	7597	0.610	ug/l	98
67) Ethyl Benzene	10.195	91	16082	0.607	ug/l	96
68) m/p-Xylenes	10.305	106	3840	0.389	ug/l	92
69) o-Xylene	10.640	106	2598	0.273	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	4996	0.234	ug/l	94

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

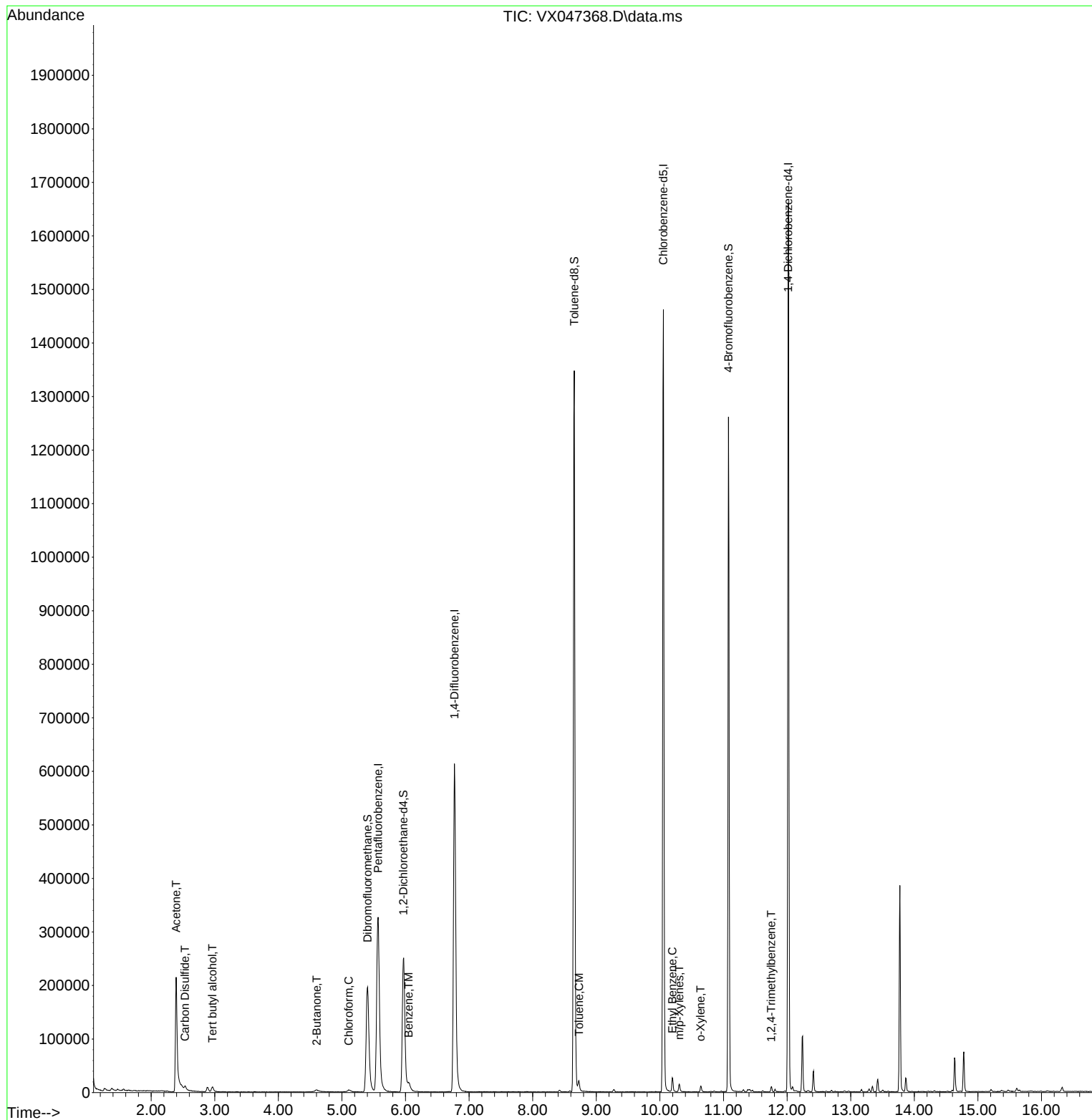
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047368.D
Acq On : 15 Aug 2025 17:19
Operator : JC/MD
Sample : Q2837-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

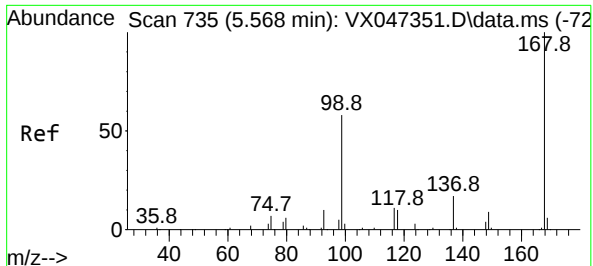
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-13

Manual Integrations
APPROVED

Reviewed By : John Carlone 08/18/2025
Supervised By : Mahesh Dadoda 08/19/2025

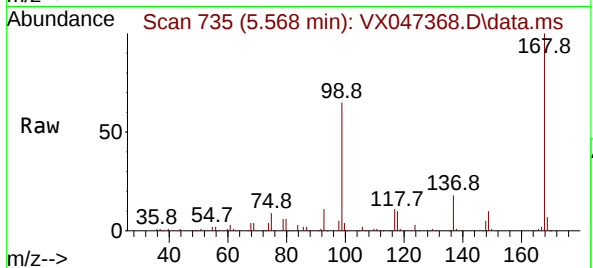
Quant Time: Aug 18 04:36:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19

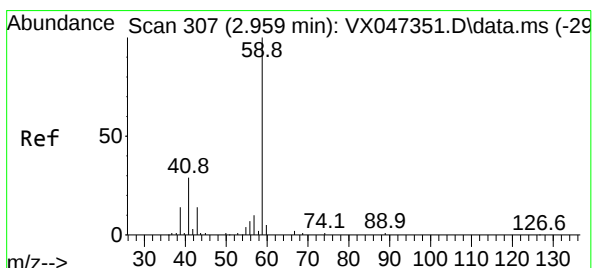
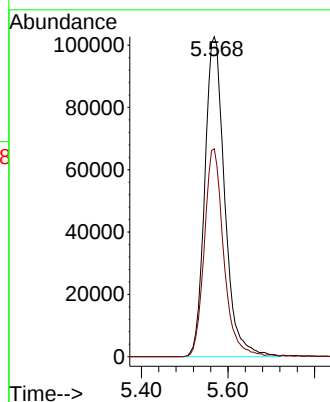
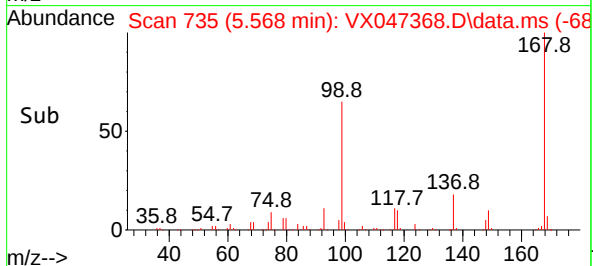
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-13



Tgt Ion:168 Resp: 32746
Ion Ratio Lower Upper
168 100
99 64.9 47.9 71.9

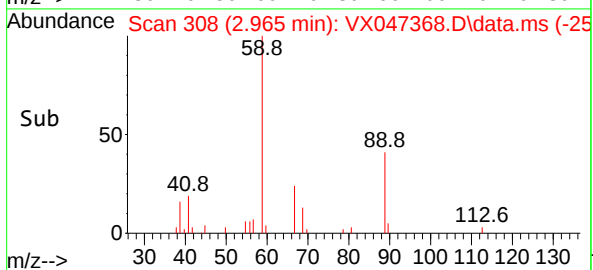
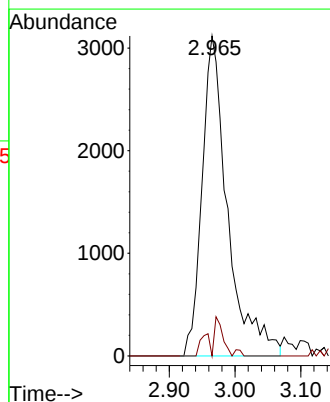
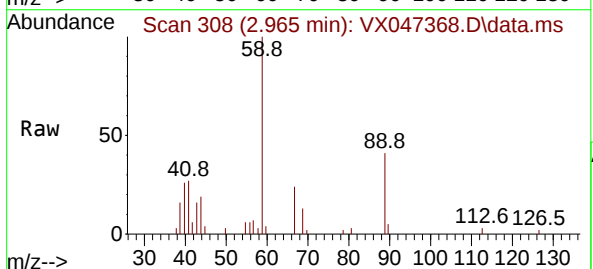
Manual Integrations
APPROVED

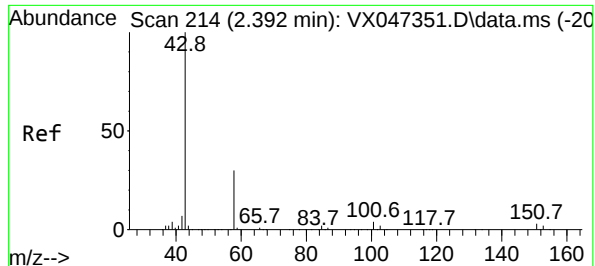
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#11
Tert butyl alcohol
Concen: 21.164 ug/l
RT: 2.965 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19

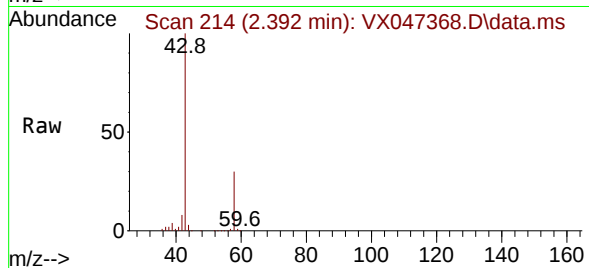
Tgt Ion: 59 Resp: 8438
Ion Ratio Lower Upper
59 100
57 3.9 8.3 12.5#





#16
Acetone
Concen: 176.120 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19

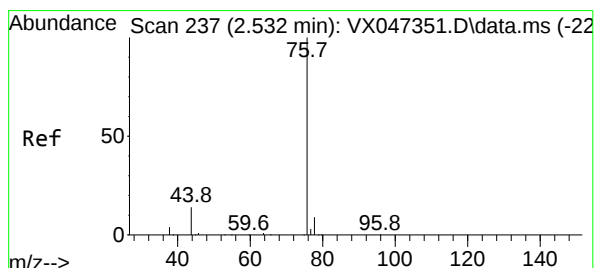
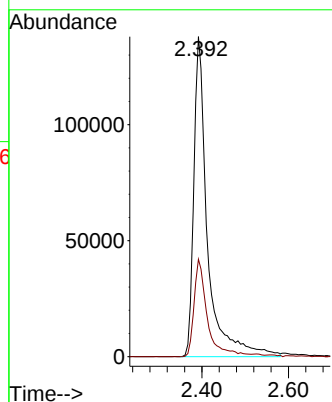
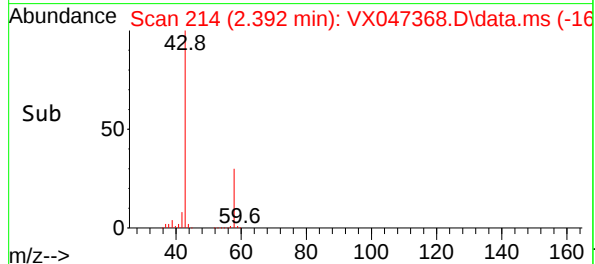
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-13



Tgt Ion: 43 Resp: 30339
Ion Ratio Lower Upper
43 100
58 30.6 24.8 37.2

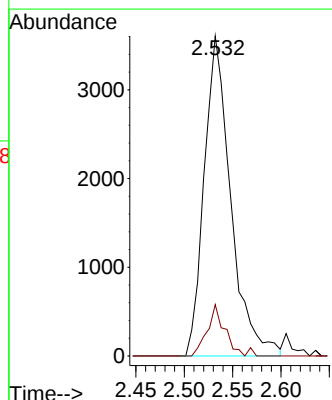
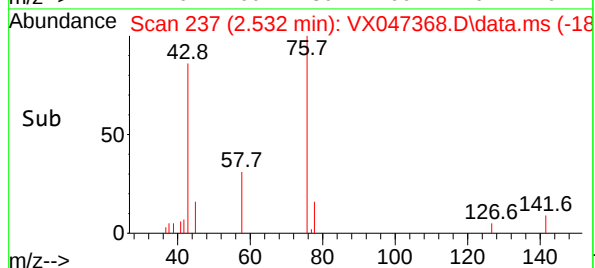
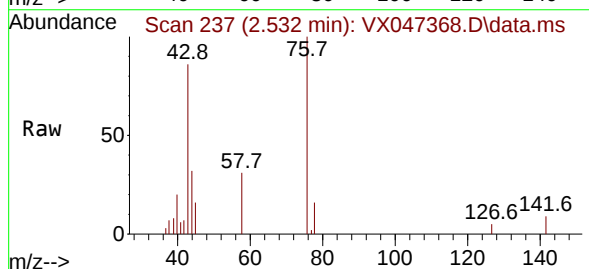
Manual Integrations
APPROVED

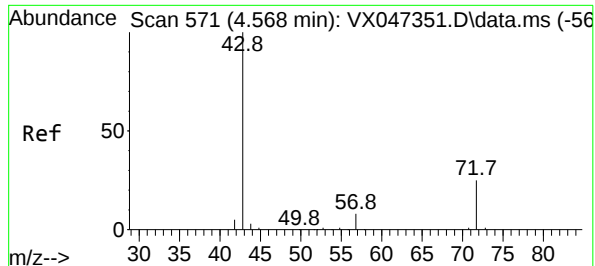
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#17
Carbon Disulfide
Concen: 0.555 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19

Tgt Ion: 76 Resp: 6900
Ion Ratio Lower Upper
76 100
78 16.1 7.2 10.8#





#25

2-Butanone

Concen: 3.928 ug/l m

RT: 4.605 min Scan# 577

Delta R.T. 0.037 min

Lab File: VX047368.D

Acq: 15 Aug 2025 17:19

Instrument :

MSVOA_X

ClientSampleId :

TW-WTS-13

Tgt Ion: 43 Resp: 886

Ion Ratio Lower Upper

43 100

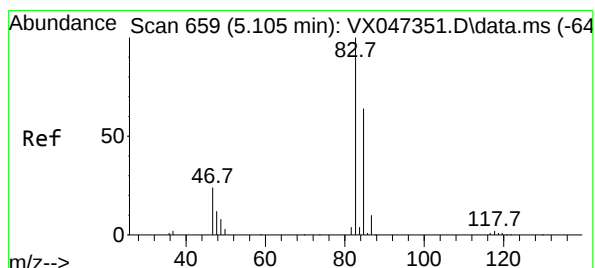
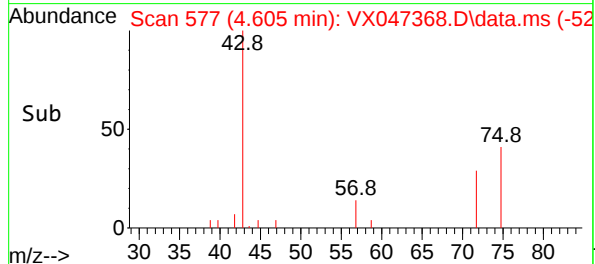
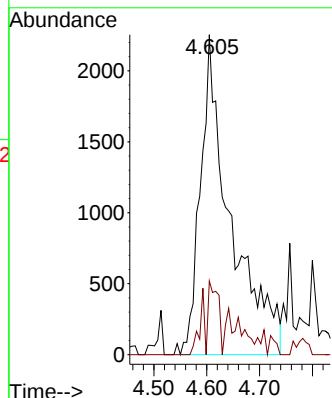
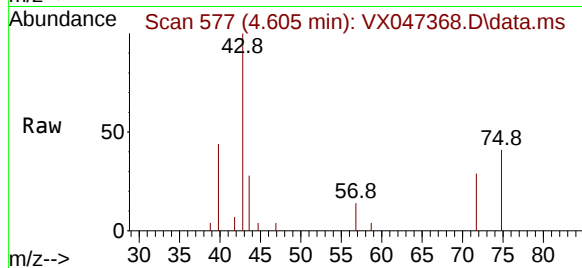
72 29.4 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#30

Chloroform

Concen: 0.552 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX047368.D

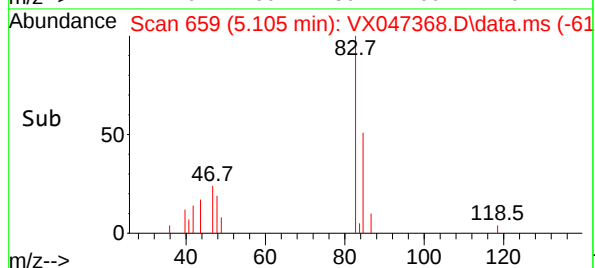
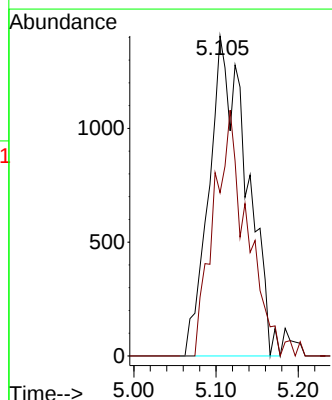
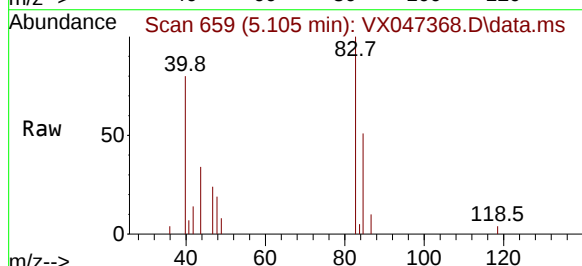
Acq: 15 Aug 2025 17:19

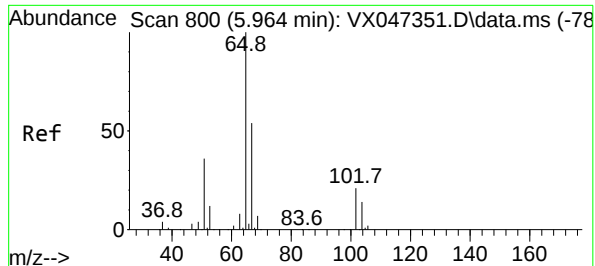
Tgt Ion: 83 Resp: 4504

Ion Ratio Lower Upper

83 100

85 51.0 51.2 76.8#





#33

1,2-Dichloroethane-d4

Concen: 58.318 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX047368.D

Acq: 15 Aug 2025 17:19

Instrument :

MSVOA_X

ClientSampleId :

TW-WTS-13

Tgt Ion: 65 Resp: 267268

Ion Ratio Lower Upper

65 100

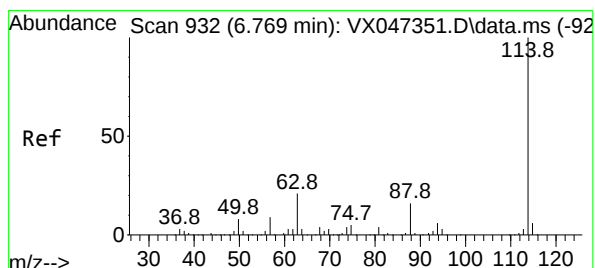
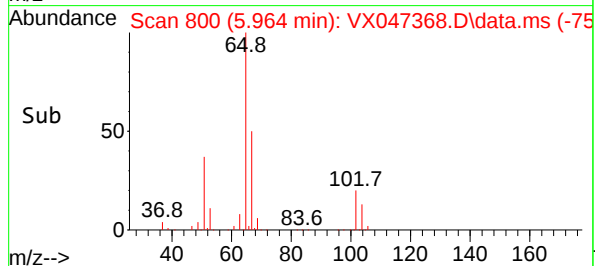
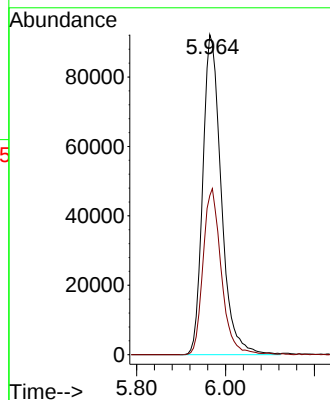
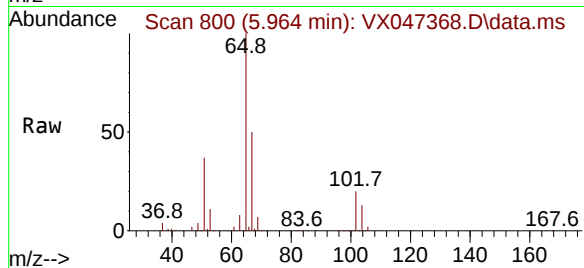
67 51.0 0.0 106.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047368.D

Acq: 15 Aug 2025 17:19

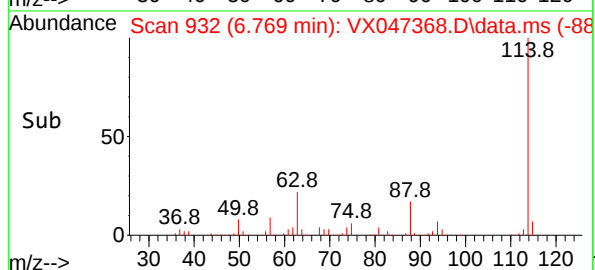
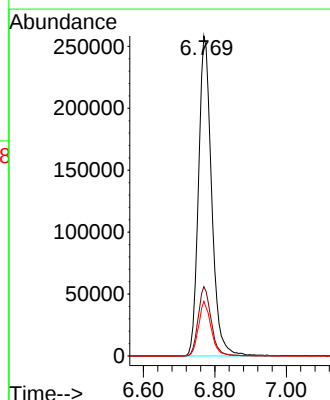
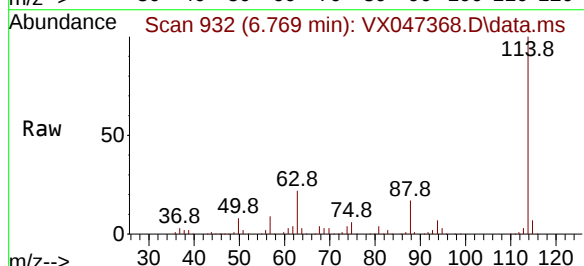
Tgt Ion:114 Resp: 657401

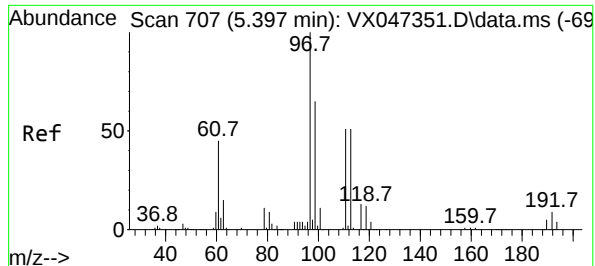
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 17.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 44.199 ug/l

RT: 5.403 min Scan# 707

Delta R.T. 0.006 min

Lab File: VX047368.D

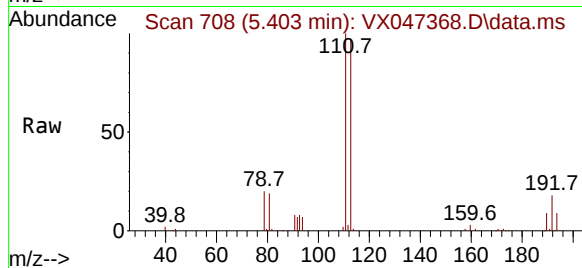
Acq: 15 Aug 2025 17:19

Instrument :

MSVOA_X

ClientSampleId :

TW-WTS-13



Tgt Ion:113 Resp: 188578

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.2

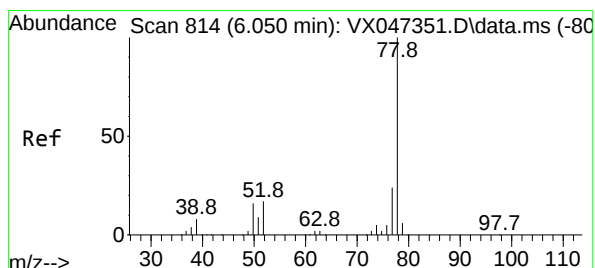
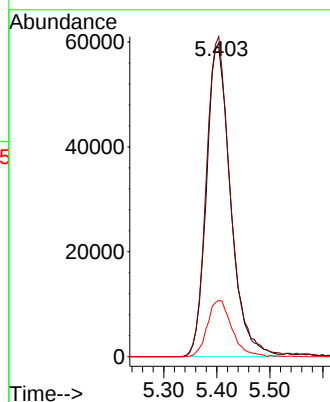
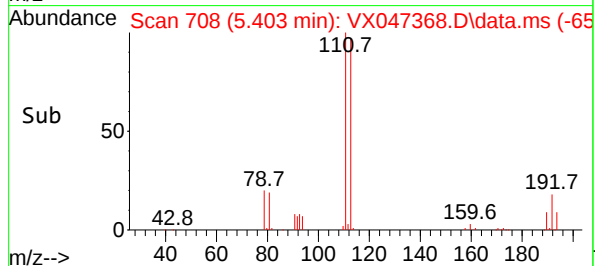
192 18.2 14.1 21.1

Manual Integrations

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Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025



#40

Benzene

Concen: 0.808 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.000 min

Lab File: VX047368.D

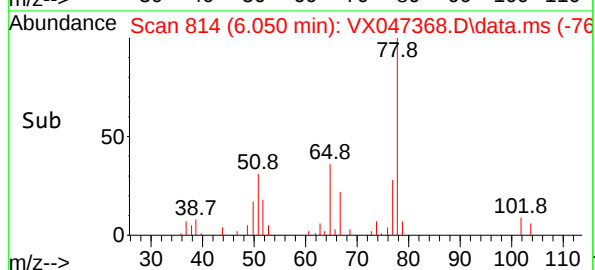
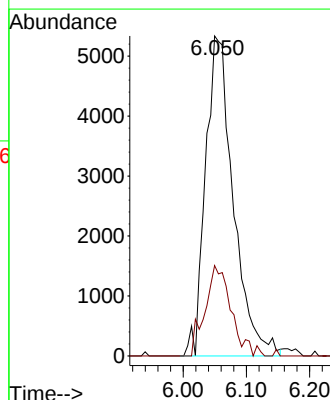
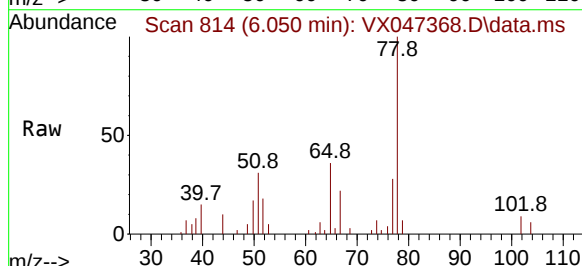
Acq: 15 Aug 2025 17:19

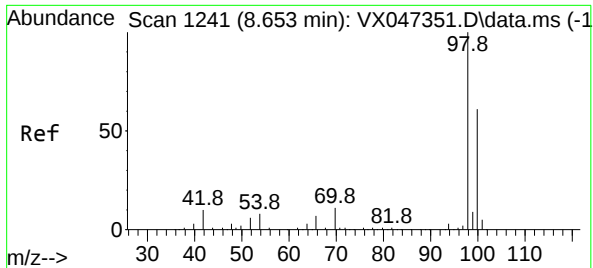
Tgt Ion: 78 Resp: 16286

Ion Ratio Lower Upper

78 100

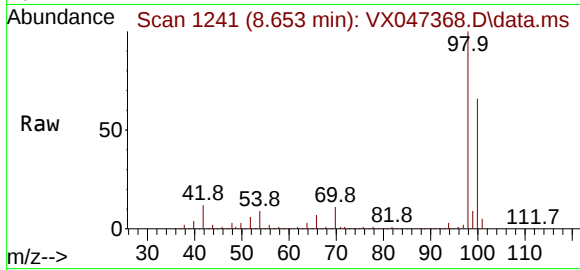
77 28.2 19.0 28.4





#50
Toluene-d8
Concen: 52.823 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19

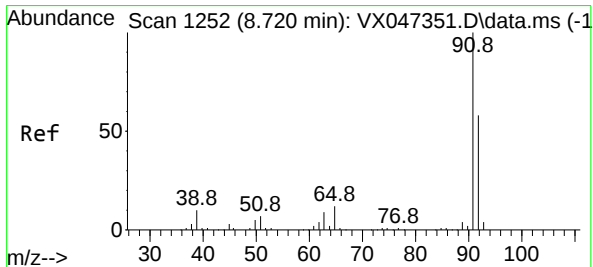
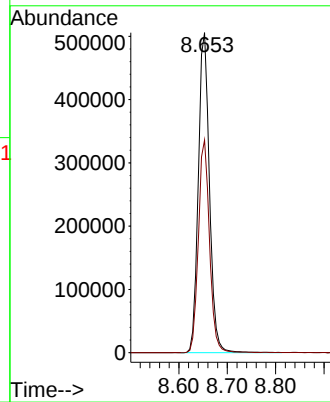
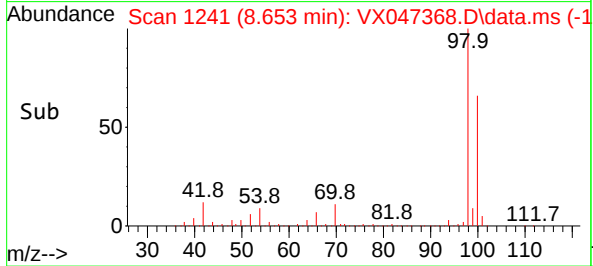
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-13



Tgt Ion: 98 Resp: 80555
Ion Ratio Lower Upper
98 100
100 66.4 53.9 80.9

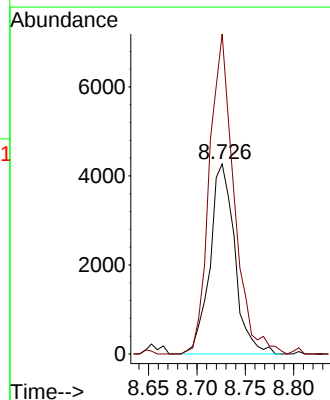
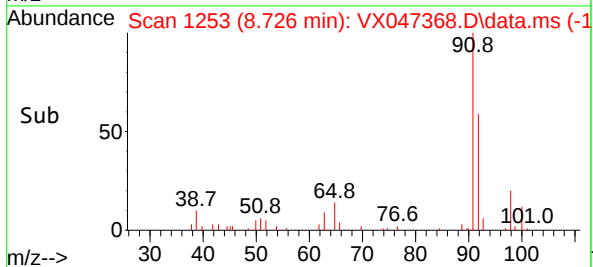
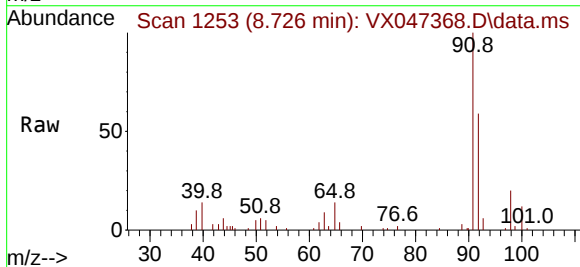
Manual Integrations
APPROVED

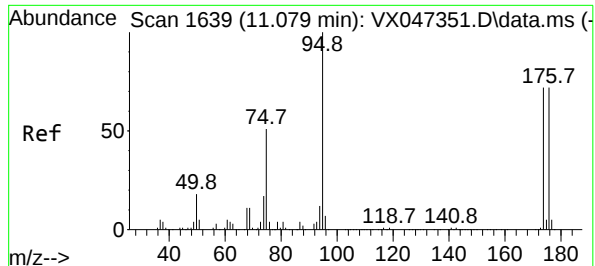
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#52
Toluene
Concen: 0.610 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19

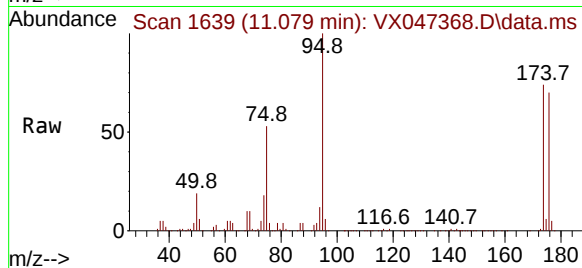
Tgt Ion: 92 Resp: 7597
Ion Ratio Lower Upper
92 100
91 167.3 136.3 204.5





#62
4-Bromofluorobenzene
Concen: 59.204 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19

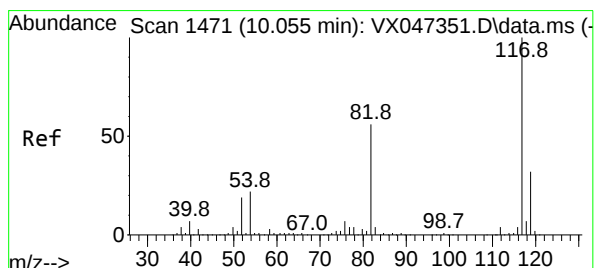
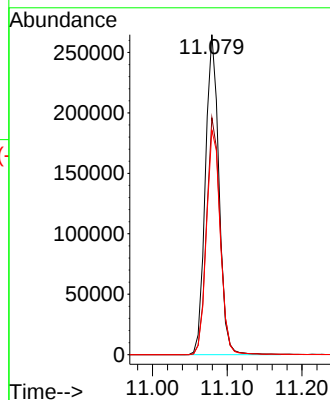
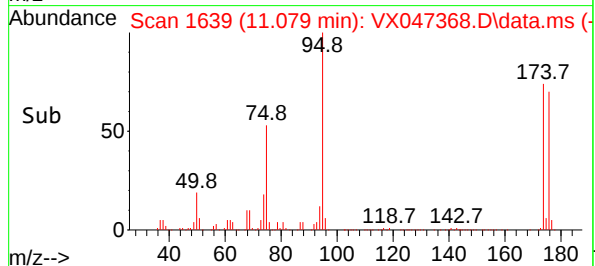
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-13



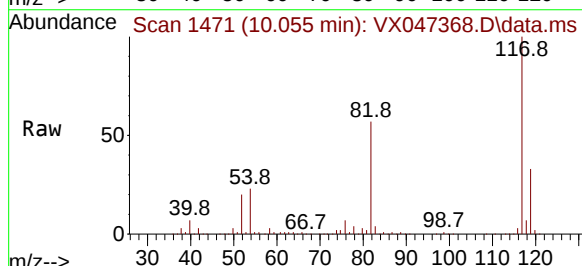
Tgt Ion: 95 Resp: 33317
Ion Ratio Lower Upper
95 100
174 74.5 0.0 148.0
176 72.1 0.0 145.4

Manual Integrations
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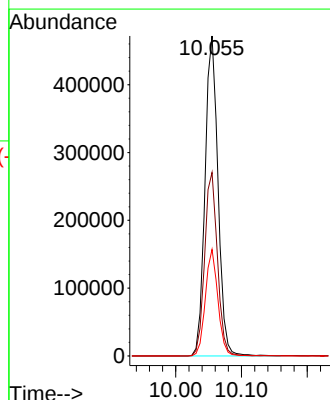
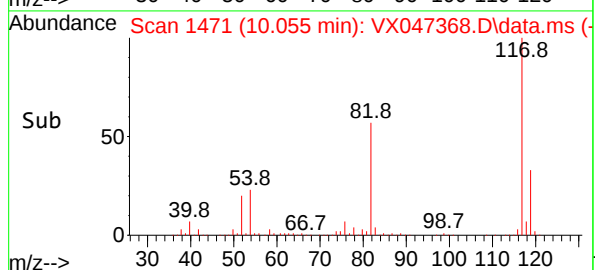
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

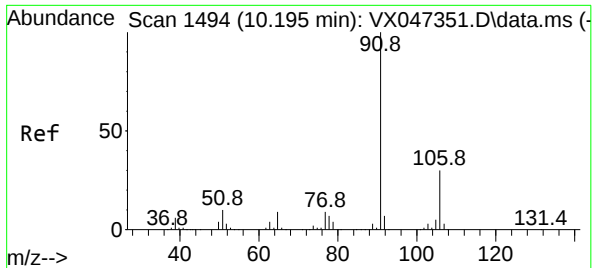


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19



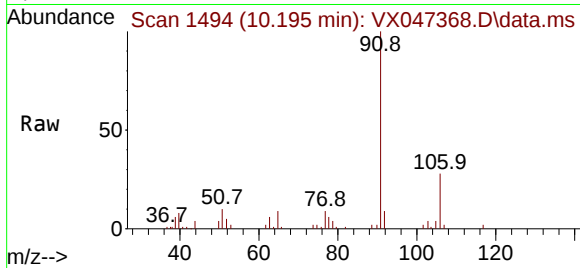
Tgt Ion:117 Resp: 647442
Ion Ratio Lower Upper
117 100
82 57.3 45.0 67.4
119 33.3 25.8 38.8





#67
Ethyl Benzene
Concen: 0.607 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19

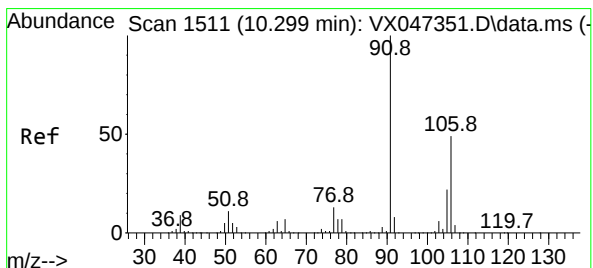
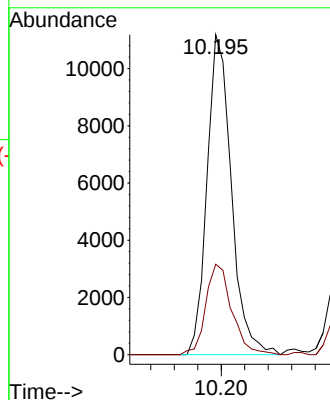
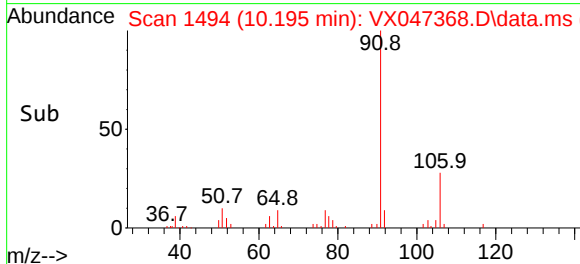
Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-13



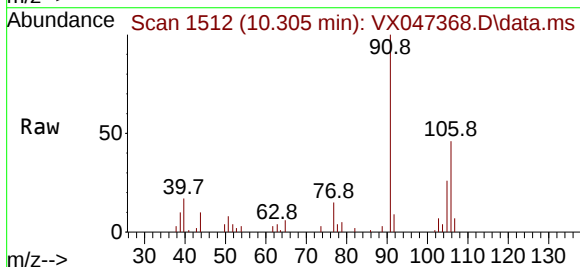
Tgt Ion: 91 Resp: 1608
Ion Ratio Lower Upper
91 100
106 28.2 24.4 36.6

Manual Integrations
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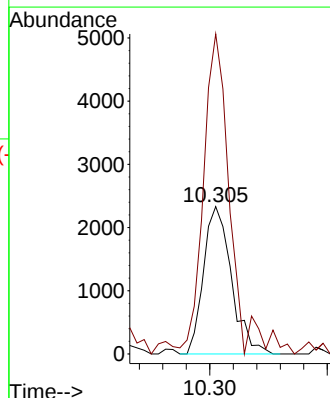
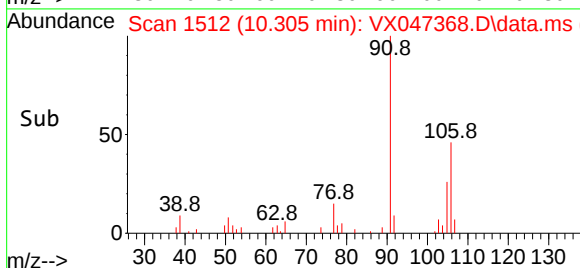
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

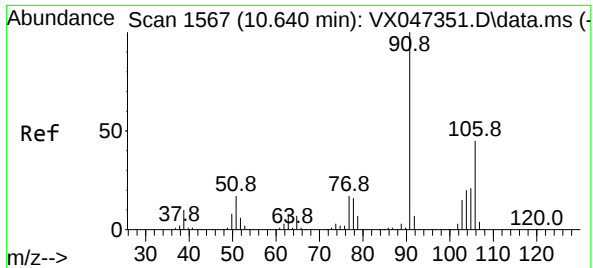


#68
m/p-Xylenes
Concen: 0.389 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19



Tgt Ion:106 Resp: 3840
Ion Ratio Lower Upper
106 100
91 192.9 164.7 247.1





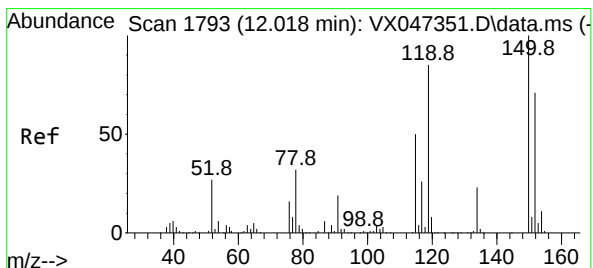
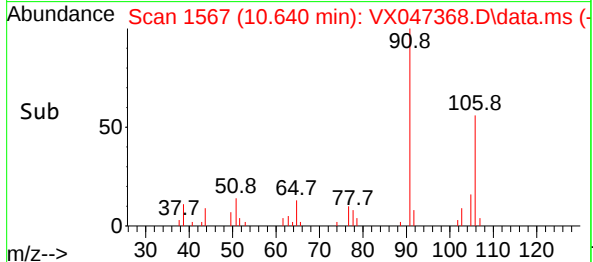
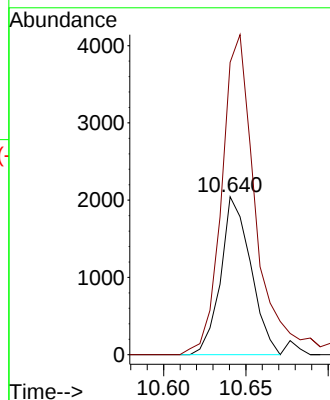
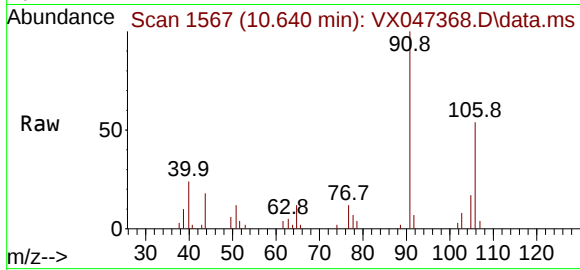
#69
o-Xylene
Concen: 0.273 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19

Instrument :
MSVOA_X
ClientSampleId :
TW-WTS-13

Tgt Ion:106 Resp: 2598
Ion Ratio Lower Upper
106 100
91 234.0 110.6 331.8

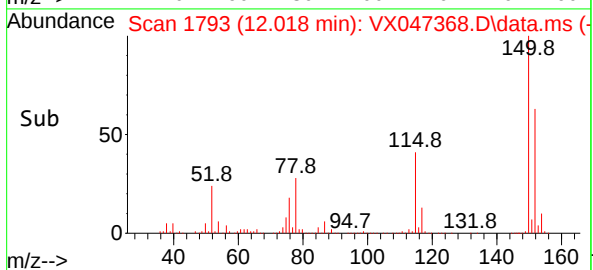
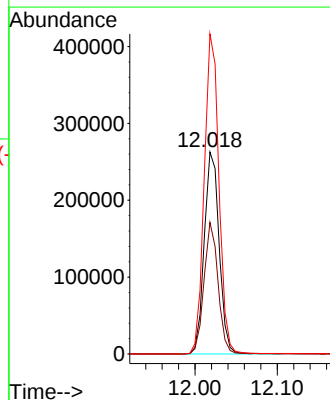
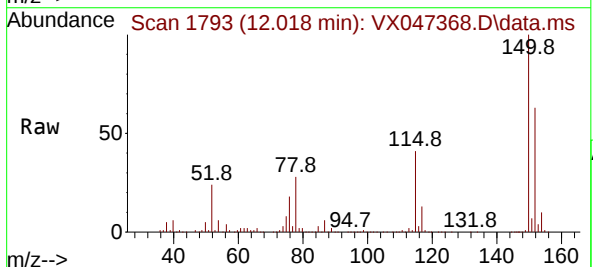
Manual Integrations
APPROVED

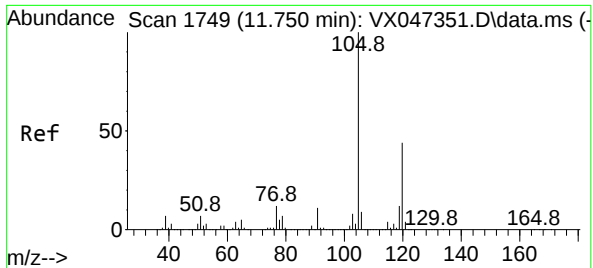
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047368.D
Acq: 15 Aug 2025 17:19

Tgt Ion:152 Resp: 331594
Ion Ratio Lower Upper
152 100
115 61.4 44.6 133.8
150 155.4 0.0 349.8





#84

1,2,4-Trimethylbenzene

Concen: 0.234 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX047368.D

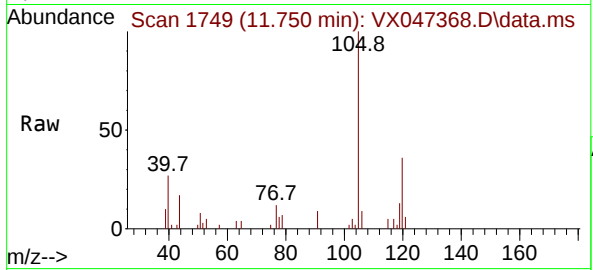
Acq: 15 Aug 2025 17:19

Instrument :

MSVOA_X

ClientSampleId :

TW-WTS-13



Tgt Ion:105 Resp: 4990

Ion Ratio Lower Upper

105 100

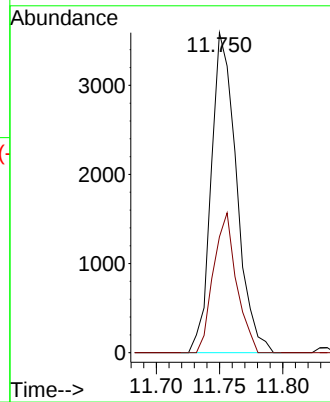
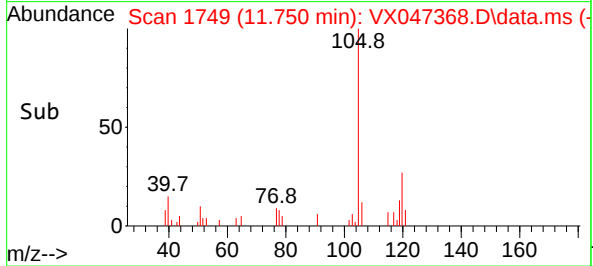
120 39.7 21.9 65.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2025

Supervised By :Mahesh Dadoda 08/19/2025





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ENTA05
 Lab Code: ACE SDG No.: Q2837
 Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025
 Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF005 = VX047349.D		RRF020 = VX047350.D		RRF050 = VX047351.D			
		RRF100 = VX047352.D		RRF150 = VX047353.D		RRF001 = VX047356.D			
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD	
Methyl tert-butyl Ether	1.768	2.019	2.175	1.962	2.014	1.554	1.915	11.5	
Carbon Tetrachloride	0.536	0.596	0.607	0.549	0.554	0.515	0.560	6.3	
Chloroform	1.236	1.328	1.368	1.214	1.243	1.091	1.247	7.8	
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8	
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1	
Toluene	0.920	1.043	1.057	0.936	0.927	0.802	0.947	9.9	
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8	
Ethyl Benzene	1.941	2.216	2.277	2.062	2.056	1.718	2.045	9.8	
m/p-Xylenes	0.722	0.831	0.858	0.765	0.759	0.642	0.763	10.2	
o-Xylene	0.679	0.793	0.813	0.735	0.732	0.651	0.734	8.6	
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2	
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6	
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7	
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X081525W.M
 Title : SW846 8260
 Last Update : Mon Aug 18 04:18:28 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX047356.D 5 =VX047349.D 20 =VX047350.D 50 =VX047351.D 100 =VX047352.D 150 =VX047353.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.546	0.558	0.638	0.731	0.671	0.680	0.637	11.38
3) P	Chloromethane	0.549	0.539	0.568	0.624	0.567	0.594	0.573	5.41
4) C	Vinyl Chloride	0.630	0.651	0.751	0.800	0.729	0.757	0.720	9.16#
5) T	Bromomethane	0.251	0.296	0.336	0.309	0.261	0.291	0.291	11.94
6) T	Chloroethane	0.515	0.392	0.440	0.463	0.410	0.422	0.440	10.01
7) T	Trichlorofluor...	0.938	1.012	1.121	1.188	1.060	1.069	1.065	8.10
8) T	Diethyl Ether	0.340	0.351	0.387	0.415	0.370	0.385	0.375	7.21
9) T	1,1,2-Trichlor...	0.494	0.589	0.664	0.697	0.624	0.637	0.618	11.41
10) T	Methyl Iodide	0.820	0.912	1.163	1.181	1.215	1.058	1.058	16.96
11) T	Tert butyl alc...	0.052	0.059	0.068	0.062	0.063	0.061	0.061	9.76
12) CM	1,1-Dichloroet...	0.555	0.575	0.664	0.697	0.635	0.651	0.630	8.61#
13) T	Acrolein	0.130	0.122	0.132	0.127	0.131	0.129	0.129	3.22
14) T	Allyl chloride	0.951	1.023	1.143	1.211	1.109	1.124	1.093	8.47
15) T	Acrylonitrile	0.248	0.260	0.314	0.340	0.299	0.303	0.294	11.64
16) T	Acetone	0.249	0.259	0.310	0.280	0.240	0.240	0.263	10.48
17) T	Carbon Disulfide	2.069	1.747	1.916	1.993	1.819	1.854	1.900	6.21
18) T	Methyl Acetate	0.621	0.620	0.661	0.769	0.689	0.728	0.682	8.75
19) T	Methyl tert-bu...	1.554	1.768	2.019	2.175	1.962	2.014	1.915	11.49
20) T	Methylene Chlo...	0.691	0.645	0.732	0.757	0.669	0.684	0.697	5.94
21) T	trans-1,2-Dich...	0.621	0.638	0.705	0.725	0.655	0.664	0.668	5.98
22) T	Diisopropyl ether	1.735	2.035	2.372	2.460	2.180	2.186	2.161	11.92
23) T	Vinyl Acetate	1.412	1.596	1.919	2.040	1.821	1.841	1.772	12.91
24) P	1,1-Dichloroet...	1.052	1.180	1.294	1.356	1.210	1.238	1.222	8.53
25) T	2-Butanone	0.287	0.328	0.378	0.389	0.342	0.343	0.344	10.56
26) T	2,2-Dichloropr...	0.776	0.864	0.976	1.017	0.940	0.960	0.922	9.49
27) T	cis-1,2-Dichlo...	0.692	0.758	0.826	0.846	0.769	0.779	0.778	6.99
28) T	Bromochloromet...	0.481	0.543	0.402	0.540	0.560	0.525	0.508	11.55
29) T	Tetrahydrofuran	0.219	0.206	0.227	0.246	0.219	0.219	0.223	5.97
30) C	Chloroform	1.091	1.236	1.328	1.368	1.214	1.243	1.247	7.75#
31) T	Cyclohexane	1.024	1.202	1.210	1.082	1.112	1.126	1.126	7.05
32) T	1,1,1-Trichlor...	0.863	1.043	1.151	1.195	1.081	1.106	1.073	10.80
33) S	1,2-Dichloroet...	0.709	0.581	0.700	0.747	0.762	0.700	0.700	10.19
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...	0.310	0.278	0.331	0.354	0.349	0.325	0.325	9.56
36) T	1,1-Dichloropr...	0.474	0.475	0.551	0.562	0.509	0.502	0.512	7.25
37) T	Ethyl Acetate	0.492	0.491	0.568	0.590	0.528	0.523	0.532	7.57
38) T	Carbon Tetrach...	0.515	0.536	0.596	0.607	0.549	0.554	0.560	6.31
39) T	Methylcyclohexane	0.595	0.589	0.673	0.695	0.640	0.642	0.639	6.55
40) TM	Benzene	1.312	1.502	1.665	1.701	1.516	1.504	1.533	9.07
41) T	Methacrylonitrile	0.175	0.192	0.244	0.258	0.245	0.231	0.224	14.75
42) TM	1,2-Dichloroet...	0.484	0.521	0.594	0.600	0.532	0.528	0.543	8.33
43) T	Isopropyl Acetate	0.645	0.660	0.811	0.868	0.798	0.802	0.764	11.82
44) TM	Trichloroethene	0.336	0.383	0.423	0.432	0.390	0.391	0.393	8.64
45) C	1,2-Dichloropr...	0.357	0.349	0.415	0.421	0.381	0.382	0.384	7.60#
46) T	Dibromomethane	0.248	0.272	0.302	0.302	0.273	0.276	0.279	7.34
47) T	Bromodichlorom...	0.513	0.548	0.621	0.635	0.578	0.573	0.578	7.81
48) T	Methyl methacr...	0.352	0.335	0.419	0.445	0.412	0.417	0.397	10.89
49) T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004	0.004	14.33
50) S	Toluene-d8	1.157	0.994	1.171	1.246	1.232	1.160	1.160	8.66
51) T	4-Methyl-2-Pen...	0.346	0.408	0.479	0.509	0.451	0.444	0.440	12.98
52) CM	Toluene	0.802	0.920	1.043	1.057	0.936	0.927	0.947	9.87#
53) T	t-1,3-Dichloro...	0.371	0.444	0.537	0.584	0.541	0.550	0.505	15.92
54) T	cis-1,3-Dichlo...	0.451	0.531	0.608	0.642	0.592	0.602	0.571	12.05
55) T	1,1,2-Trichlor...	0.313	0.358	0.393	0.396	0.352	0.347	0.360	8.61
56) T	Ethyl methacry...	0.405	0.466	0.562	0.617	0.563	0.569	0.530	14.84

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X081525W.M

57)	T	1,3-Dichloropr...	0.553	0.591	0.672	0.670	0.600	0.592	0.613	7.78
58)	T	2-Chloroethyl ...	0.103	0.191	0.184	0.274	0.256	0.259	0.211	30.82
59)	T	2-Hexanone	0.239	0.284	0.338	0.347	0.310	0.306	0.304	12.89
60)	T	Dibromochlorom...	0.382	0.412	0.461	0.464	0.426	0.420	0.428	7.31
61)	T	1,2-Dibromoethane	0.336	0.358	0.397	0.409	0.365	0.361	0.371	7.24
62)	S	4-Bromofluorob...	0.441	0.371	0.428	0.452	0.448	0.428		7.78
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.316	0.351	0.384	0.398	0.360	0.360	0.362	7.79
65)	PM	Chlorobenzene	1.073	1.163	1.268	1.286	1.163	1.175	1.188	6.58
66)	T	1,1,1,2-Tetrac...	0.345	0.389	0.423	0.441	0.403	0.409	0.402	8.27
67)	C	Ethyl Benzene	1.718	1.941	2.216	2.277	2.062	2.056	2.045	9.81#
68)	T	m/p-Xylenes	0.642	0.722	0.831	0.858	0.765	0.759	0.763	10.18
69)	T	o-Xylene	0.651	0.679	0.793	0.813	0.735	0.732	0.734	8.55
70)	T	Styrene	0.909	1.186	1.397	1.411	1.271	1.266	1.240	14.80
71)	P	Bromoform	0.241	0.294	0.322	0.335	0.306	0.313	0.302	10.89
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.211	3.547	4.192	4.399	4.048	4.080	3.913	11.36
74)	T	N-amyl acetate	1.047	1.230	1.539	1.729	1.658	1.712	1.486	19.05
75)	P	1,1,2,2-Tetrac...	1.044	1.077	1.208	1.269	1.142	1.152	1.149	7.19
76)	T	1,2,3-Trichlor...	0.818	0.888	0.941	1.014	0.919	0.921	0.917	6.98
77)	T	Bromobenzene	0.797	0.909	1.017	1.053	0.978	0.977	0.955	9.54
78)	T	n-propylbenzene	3.905	4.263	5.031	5.179	4.817	4.844	4.673	10.45
79)	T	2-Chlorotoluene	2.545	2.612	3.039	3.096	2.828	2.830	2.825	7.80
80)	T	1,3,5-Trimethy...	2.716	2.909	3.463	3.588	3.311	3.329	3.219	10.44
81)	T	trans-1,4-Dich...	0.089	0.141	0.199	0.215	0.246	0.178		35.26
82)	T	4-Chlorotoluene	3.043	3.128	3.542	3.630	3.299	3.338	3.330	6.83
83)	T	tert-Butylbenzene	2.658	2.867	3.451	3.619	3.334	3.342	3.212	11.48
84)	T	1,2,4-Trimethy...	2.516	2.990	3.521	3.645	3.318	3.326	3.219	12.74
85)	T	sec-Butylbenzene	3.273	3.630	4.323	4.417	4.101	4.142	3.981	11.07
86)	T	p-Isopropyltol...	2.961	3.071	3.569	3.726	3.416	3.469	3.369	8.75
87)	T	1,3-Dichlorobe...	1.710	1.719	1.907	1.983	1.811	1.823	1.825	5.82
88)	T	1,4-Dichlorobe...	1.936	1.788	1.952	1.986	1.788	1.814	1.877	4.81
89)	T	n-Butylbenzene	2.816	2.796	3.309	3.444	3.208	3.227	3.133	8.52
90)	T	Hexachloroethane	0.529	0.505	0.584	0.653	0.618	0.657	0.591	10.74
91)	T	1,2-Dichlorobe...	1.631	1.617	1.851	1.862	1.705	1.729	1.733	6.06
92)	T	1,2-Dibromo-3-...	0.191	0.182	0.225	0.247	0.238	0.249	0.222	13.01
93)	T	1,2,4-Trichlor...	1.144	1.030	1.168	1.234	1.191	1.204	1.161	6.16
94)	T	Hexachlorobuta...	0.562	0.367	0.387	0.404	0.376	0.383	0.413	17.91
95)	T	Naphthalene	2.674	2.705	3.401	3.779	3.639	3.717	3.319	15.20
96)	T	1,2,3-Trichlor...	1.075	0.919	1.109	1.174	1.132	1.160	1.095	8.48

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047349.D
 Acq On : 15 Aug 2025 09:40
 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 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:52:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	281608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	479446	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	224159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	19963	5.065	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.140%#		
35) Dibromofluoromethane	5.397	113	14862	4.776	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.560%#		
50) Toluene-d8	8.653	98	55469	4.987	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	9.980%#		
62) 4-Bromofluorobenzene	11.079	95	21138	5.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.300%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	15718	4.378	ug/l	97
3) Chloromethane	1.313	50	15170	4.697	ug/l	92
4) Vinyl Chloride	1.392	62	18322	4.520	ug/l	94
5) Bromomethane	1.624	94	7076	4.322	ug/l	94
6) Chloroethane	1.709	64	11042	4.452	ug/l	96
7) Trichlorofluoromethane	1.904	101	28485	4.751	ug/l	93
8) Diethyl Ether	2.148	74	9891	4.685	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.343	101	16582	4.768	ug/l	99
10) Methyl Iodide	2.471	142	23080	3.872	ug/l	97
11) Tert butyl alcohol	2.965	59	7340	21.408	ug/l #	89
12) 1,1-Dichloroethene	2.337	96	16204	4.570	ug/l	92
13) Acrolein	2.252	56	18274	25.248	ug/l	97
14) Allyl chloride	2.678	41	28797	4.676	ug/l	100
15) Acrylonitrile	3.087	53	36613	22.099	ug/l	97
16) Acetone	2.392	43	36440	24.598	ug/l	94
17) Carbon Disulfide	2.532	76	49197	4.598	ug/l	99
18) Methyl Acetate	2.721	43	17456	4.547	ug/l	93
19) Methyl tert-butyl Ether	3.130	73	49799	4.617	ug/l	100
20) Methylene Chloride	2.806	84	18175	4.633	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	17974	4.776	ug/l	88
22) Diisopropyl ether	3.776	45	57311	4.708	ug/l	96
23) Vinyl Acetate	3.739	43	224747	22.525	ug/l	100
24) 1,1-Dichloroethane	3.623	63	33241	4.831	ug/l	99
25) 2-Butanone	4.581	43	46235	23.830	ug/l	97
26) 2,2-Dichloropropane	4.489	77	24325	4.684	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	21338	4.868	ug/l	96
28) Bromochloromethane	4.916	49	15283	5.338	ug/l	98
29) Tetrahydrofuran	5.038	42	28938m	23.076	ug/l	
30) Chloroform	5.105	83	34798	4.955	ug/l	97
31) Cyclohexane	5.483	56	28847	4.548	ug/l	91
32) 1,1,1-Trichloroethane	5.404	97	29367	4.859	ug/l	99
36) 1,1-Dichloropropene	5.702	75	22796	4.641	ug/l	96
37) Ethyl Acetate	4.739	43	23521	4.613	ug/l	99
38) Carbon Tetrachloride	5.690	117	25718	4.791	ug/l	96
39) Methylcyclohexane	7.385	83	28242	4.609	ug/l	98
40) Benzene	6.050	78	72021	4.899	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047349.D
 Acq On : 15 Aug 2025 09:40
 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 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:52:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.958	41	9185	4.271	ug/l #	91
42) 1,2-Dichloroethane	6.099	62	24979	4.796	ug/l	99
43) Isopropyl Acetate	6.361	43	31621	4.316	ug/l	97
44) Trichloroethene	7.135	130	18386	4.884	ug/l	99
45) 1,2-Dichloropropane	7.434	63	16729	4.542	ug/l	95
46) Dibromomethane	7.592	93	13062	4.885	ug/l	97
47) Bromodichloromethane	7.824	83	26280	4.741	ug/l	95
48) Methyl methacrylate	7.702	41	16053	4.222	ug/l	99
49) 1,4-Dioxane	7.696	88	3959m	109.635	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	97891	23.221	ug/l	97
52) Toluene	8.720	92	44099	4.854	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	21300	4.403	ug/l	94
54) cis-1,3-Dichloropropene	8.373	75	25475	4.652	ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	17150	4.972	ug/l #	83
56) Ethyl methacrylate	9.122	69	22362	4.397	ug/l	97
57) 1,3-Dichloropropane	9.311	76	28336	4.821	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	45735	26.559	ug/l	98
59) 2-Hexanone	9.433	43	68164	23.375	ug/l	96
60) Dibromochloromethane	9.519	129	19760	4.820	ug/l	97
61) 1,2-Dibromoethane	9.610	107	17154	4.823	ug/l	97
64) Tetrachloroethene	9.275	164	15266	4.856	ug/l	91
65) Chlorobenzene	10.080	112	50559	4.896	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	16894	4.839	ug/l	96
67) Ethyl Benzene	10.195	91	84363	4.746	ug/l	98
68) m/p-Xylenes	10.299	106	62714	9.462	ug/l	97
69) o-Xylene	10.640	106	29488	4.623	ug/l	100
70) Styrene	10.653	104	51543	4.783	ug/l	98
71) Bromoform	10.799	173	12769	4.869	ug/l #	94
73) Isopropylbenzene	10.964	105	79512	4.533	ug/l	99
74) N-amyl acetate	10.842	43	27565	4.138	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	24139	4.687	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	19912m	4.843	ug/l	
77) Bromobenzene	11.195	156	20380	4.758	ug/l	96
78) n-propylbenzene	11.305	91	95550	4.561	ug/l	100
79) 2-Chlorotoluene	11.366	91	58544	4.623	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	65210	4.518	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	1992	9.640	ug/l	87
82) 4-Chlorotoluene	11.451	91	70117	4.697	ug/l	98
83) tert-Butylbenzene	11.713	119	64267	4.463	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	67032	4.644	ug/l	98
85) sec-Butylbenzene	11.890	105	81375	4.559	ug/l	99
86) p-Isopropyltoluene	12.006	119	68849	4.559	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	38531	4.709	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	40089	4.763	ug/l	93
89) n-Butylbenzene	12.329	91	62666	4.461	ug/l	99
90) Hexachloroethane	12.536	117	11325	4.274	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	36248	4.667	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4081	4.097	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	23080	4.432	ug/l	96
94) Hexachlorobutadiene	13.725	225	8221	4.436	ug/l	94
95) Naphthalene	13.774	128	60645	4.076	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	20611	4.199	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

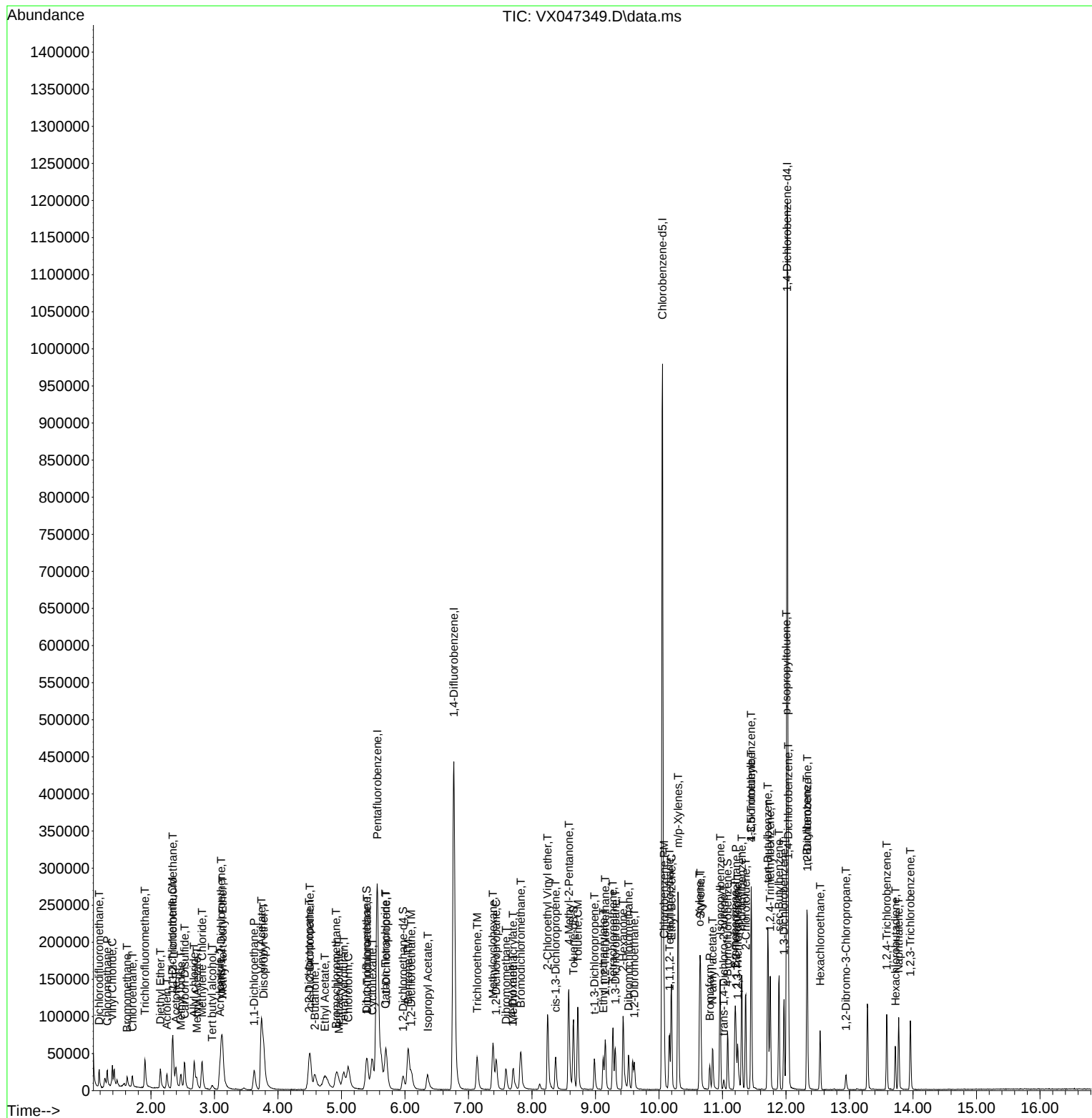
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDIC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047350.D
 Acq On : 15 Aug 2025 10:01
 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 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	259497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	434596	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	392362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196732	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	60290	16.601	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	33.200%#
35) Dibromofluoromethane	5.397	113	48382	17.153	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	34.300%#
50) Toluene-d8	8.653	98	172730	17.133	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	34.260%#
62) 4-Bromofluorobenzene	11.079	95	64433	17.320	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	34.640%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	66192	20.010	ug/l	96
3) Chloromethane	1.313	50	58950	19.810	ug/l	96
4) Vinyl Chloride	1.392	62	77968	20.874	ug/l	99
5) Bromomethane	1.624	94	30761	20.389	ug/l	89
6) Chloroethane	1.703	64	45658	19.979	ug/l	100
7) Trichlorofluoromethane	1.904	101	116366	21.062	ug/l	96
8) Diethyl Ether	2.148	74	40131	20.629	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	68887	21.495	ug/l	100
10) Methyl Iodide	2.471	142	94708	17.244	ug/l	99
11) Tert butyl alcohol	2.965	59	30471	96.445	ug/l	98
12) 1,1-Dichloroethene	2.337	96	68973	21.110	ug/l	98
13) Acrolein	2.252	56	63232	94.809	ug/l	100
14) Allyl chloride	2.678	41	118613	20.902	ug/l	99
15) Acrylonitrile	3.081	53	163095	106.830	ug/l	99
16) Acetone	2.392	43	161019	117.954	ug/l	95
17) Carbon Disulfide	2.532	76	198834	20.167	ug/l	98
18) Methyl Acetate	2.715	43	68662	19.410	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	209527	21.080	ug/l	98
20) Methylene Chloride	2.806	84	76029	21.033	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	73205	21.110	ug/l	99
22) Diisopropyl ether	3.776	45	246210	21.949	ug/l	98
23) Vinyl Acetate	3.733	43	996178	108.348	ug/l	97
24) 1,1-Dichloroethane	3.629	63	134271	21.177	ug/l	99
25) 2-Butanone	4.568	43	195973	109.614	ug/l	96
26) 2,2-Dichloropropane	4.489	77	101341	21.177	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	85695	21.217	ug/l	98
28) Bromochloromethane	4.910	49	41717	15.812	ug/l	100
29) Tetrahydrofuran	5.032	42	117869	102.002	ug/l	97
30) Chloroform	5.105	83	137885	21.309	ug/l	96
31) Cyclohexane	5.483	56	124775	21.348	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	119441	21.445	ug/l	98
36) 1,1-Dichloropropene	5.702	75	95703	21.494	ug/l	99
37) Ethyl Acetate	4.727	43	98709	21.355	ug/l	96
38) Carbon Tetrachloride	5.690	117	103616	21.296	ug/l	96
39) Methylcyclohexane	7.385	83	116913	21.051	ug/l	95
40) Benzene	6.050	78	289406	21.716	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047350.D
 Acq On : 15 Aug 2025 10:01
 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 08/18/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	42490	21.799	ug/l	96
42) 1,2-Dichloroethane	6.098	62	103227	21.867	ug/l	98
43) Isopropyl Acetate	6.348	43	141062	21.243	ug/l	99
44) Trichloroethene	7.135	130	73526	21.546	ug/l	94
45) 1,2-Dichloropropane	7.434	63	72118	21.601	ug/l	100
46) Dibromomethane	7.586	93	52472	21.648	ug/l	99
47) Bromodichloromethane	7.824	83	107990	21.491	ug/l	98
48) Methyl methacrylate	7.696	41	72765	21.111	ug/l	100
49) 1,4-Dioxane	7.684	88	13554m	414.079	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	416671	109.039	ug/l	100
52) Toluene	8.720	92	181368	22.024	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	93302	21.275	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	105701	21.294	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	68282	21.838	ug/l	98
56) Ethyl methacrylate	9.116	69	97675	21.188	ug/l	99
57) 1,3-Dichloropropane	9.311	76	116737	21.910	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	159793	78.521	ug/l	99
59) 2-Hexanone	9.433	43	293885	111.182	ug/l	100
60) Dibromochloromethane	9.519	129	80119	21.561	ug/l	98
61) 1,2-Dibromoethane	9.610	107	68961	21.388	ug/l	99
64) Tetrachloroethene	9.275	164	60329	21.257	ug/l	93
65) Chlorobenzene	10.079	112	198998	21.342	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	66366	21.056	ug/l	99
67) Ethyl Benzene	10.195	91	347834	21.675	ug/l	99
68) m/p-Xylenes	10.299	106	260945	43.608	ug/l	98
69) o-Xylene	10.640	106	124422	21.606	ug/l	99
70) Styrene	10.653	104	219310	22.540	ug/l	99
71) Bromoform	10.799	173	50519	21.335	ug/l #	99
73) Isopropylbenzene	10.963	105	329846	21.425	ug/l	99
74) N-amyl acetate	10.842	43	121116	20.717	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	95098	21.039	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	74083m	20.531	ug/l	
77) Bromobenzene	11.195	156	80066	21.298	ug/l	99
78) n-propylbenzene	11.305	91	395888	21.531	ug/l	99
79) 2-Chlorotoluene	11.360	91	239133	21.515	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	272501	21.513	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11057	19.090	ug/l	90
82) 4-Chlorotoluene	11.451	91	278705	21.272	ug/l	99
83) tert-Butylbenzene	11.713	119	271541	21.487	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	277110	21.876	ug/l	100
85) sec-Butylbenzene	11.890	105	340203	21.719	ug/l	99
86) p-Isopropyltoluene	12.006	119	280855	21.189	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	150028	20.890	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	153630	20.798	ug/l	99
89) n-Butylbenzene	12.329	91	260428	21.124	ug/l	99
90) Hexachloroethane	12.536	117	45934	19.754	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	145629	21.363	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17698	20.246	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	91878	20.105	ug/l	100
94) Hexachlorobutadiene	13.719	225	30481	18.738	ug/l	98
95) Naphthalene	13.774	128	267664	20.495	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	87275	20.261	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

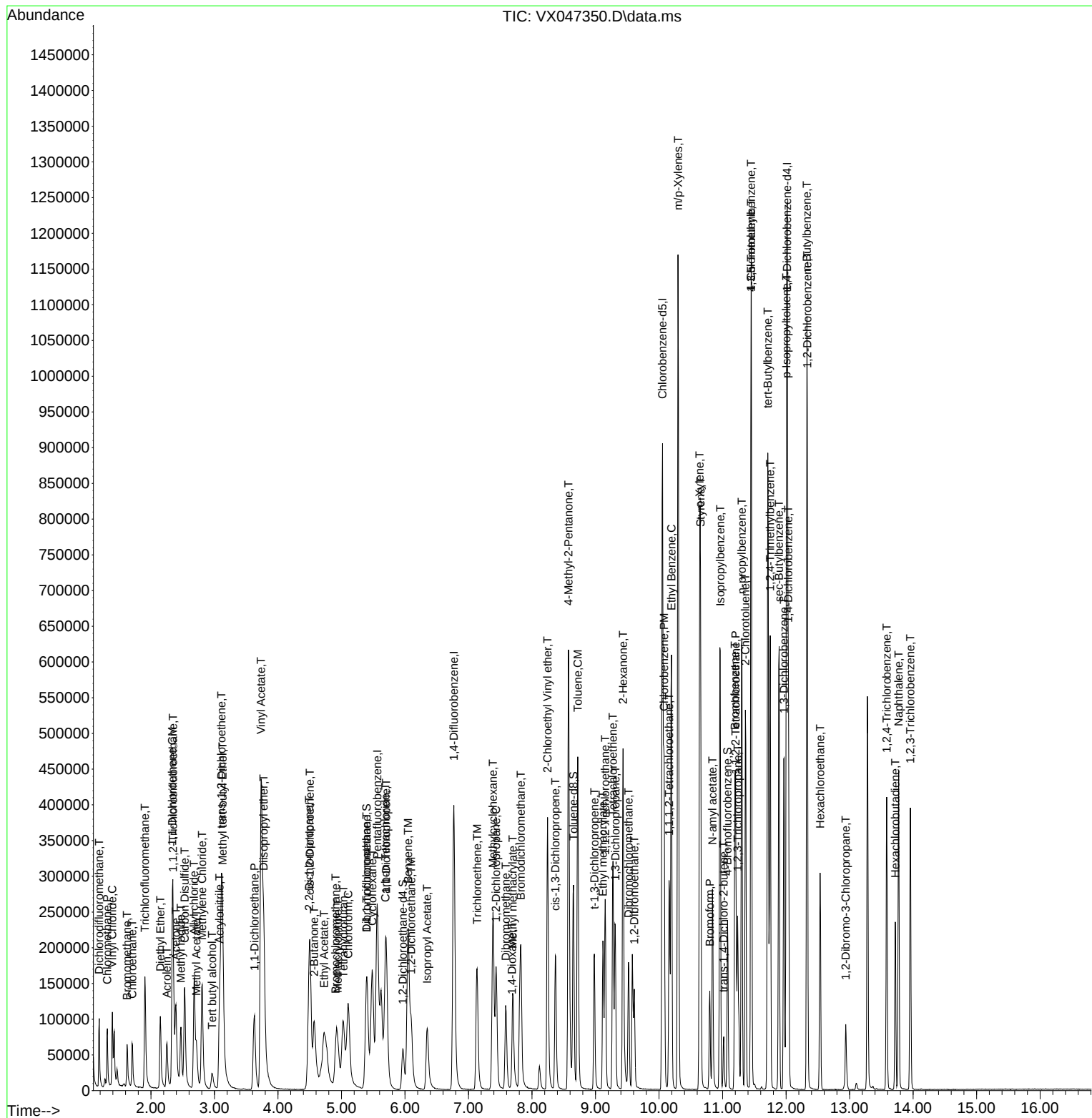
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
Operator : JC/MD
Sample : VSTDIC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047351.D
 Acq On : 15 Aug 2025 10:22
 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 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	238847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	405572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	363128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	177366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167238	50.030	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.060%			
35) Dibromofluoromethane	5.397	113	134437	51.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.140%			
50) Toluene-d8	8.653	98	475041	50.492	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	173764	50.050	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.100%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	174629	57.354	ug/l	100
3) Chloromethane	1.313	50	148962	54.385	ug/l	100
4) Vinyl Chloride	1.392	62	191163	55.604	ug/l	100
5) Bromomethane	1.630	94	80221	57.770	ug/l	100
6) Chloroethane	1.709	64	110475	52.521	ug/l	100
7) Trichlorofluoromethane	1.904	101	283655	55.781	ug/l	100
8) Diethyl Ether	2.148	74	99184	55.393	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	166491	56.441	ug/l	100
10) Methyl Iodide	2.471	142	277741	54.943	ug/l	100
11) Tert butyl alcohol	2.959	59	81382	279.856	ug/l	100
12) 1,1-Dichloroethene	2.337	96	166359	55.319	ug/l	100
13) Acrolein	2.251	56	157735	256.954	ug/l	100
14) Allyl chloride	2.678	41	289338	55.394	ug/l	100
15) Acrylonitrile	3.081	53	405784	288.775	ug/l	100
16) Acetone	2.392	43	334538	266.252	ug/l	100
17) Carbon Disulfide	2.532	76	476020	52.455	ug/l	100
18) Methyl Acetate	2.715	43	183721	56.425	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	519477	56.782	ug/l	100
20) Methylene Chloride	2.806	84	180921	54.377	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	173226	54.272	ug/l	100
22) Diisopropyl ether	3.776	45	587571	56.909	ug/l	100
23) Vinyl Acetate	3.733	43	2436350	287.897	ug/l	100
24) 1,1-Dichloroethane	3.623	63	323982	55.516	ug/l	100
25) 2-Butanone	4.568	43	464136	282.051	ug/l	100
26) 2,2-Dichloropropane	4.495	77	242859	55.137	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	202109	54.366	ug/l	100
28) Bromochloromethane	4.910	49	129079	53.153	ug/l	100
29) Tetrahydrofuran	5.025	42	293474	275.925	ug/l	100
30) Chloroform	5.105	83	326781	54.867	ug/l	100
31) Cyclohexane	5.483	56	288914	53.705	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	285500	55.692	ug/l	100
36) 1,1-Dichloropropene	5.708	75	228086	54.893	ug/l	100
37) Ethyl Acetate	4.721	43	239310	55.477	ug/l	100
38) Carbon Tetrachloride	5.690	117	246368	54.258	ug/l	100
39) Methylcyclohexane	7.391	83	281960	54.402	ug/l	100
40) Benzene	6.050	78	689965	55.477	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047351.D
 Acq On : 15 Aug 2025 10:22
 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 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	104680	57.547	ug/l	100
42) 1,2-Dichloroethane	6.098	62	243489	55.271	ug/l	100
43) Isopropyl Acetate	6.348	43	352090	56.817	ug/l	100
44) Trichloroethene	7.135	130	175409	55.081	ug/l	100
45) 1,2-Dichloropropane	7.433	63	170556	54.740	ug/l	100
46) Dibromomethane	7.586	93	122428	54.124	ug/l	100
47) Bromodichloromethane	7.824	83	257393	54.888	ug/l	100
48) Methyl methacrylate	7.696	41	180568	56.136	ug/l	100
49) 1,4-Dioxane	7.677	88	36298	1188.274	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	1031709	289.311	ug/l	100
52) Toluene	8.720	92	428577	55.767	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	237021	57.913	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	260352	56.202	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	160439	54.984	ug/l	100
56) Ethyl methacrylate	9.116	69	250221	58.164	ug/l	100
57) 1,3-Dichloropropane	9.311	76	271755	54.656	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	555513	269.738	ug/l	100
59) 2-Hexanone	9.433	43	703268	285.099	ug/l	100
60) Dibromochloromethane	9.518	129	188384	54.326	ug/l	100
61) 1,2-Dibromoethane	9.610	107	165776	55.095	ug/l	100
64) Tetrachloroethene	9.275	164	144361	54.962	ug/l	100
65) Chlorobenzene	10.079	112	467009	54.119	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	160305	54.954	ug/l	100
67) Ethyl Benzene	10.195	91	826783	55.667	ug/l	100
68) m/p-Xylenes	10.299	106	622895	112.475	ug/l	100
69) o-Xylene	10.640	106	295290	55.407	ug/l	100
70) Styrene	10.652	104	512239	56.883	ug/l	100
71) Bromoform	10.799	173	121692	55.530	ug/l	100
73) Isopropylbenzene	10.963	105	780181	56.210	ug/l	100
74) N-amyl acetate	10.841	43	306720	58.194	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	225063	55.228	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	179785m	55.266	ug/l	
77) Bromobenzene	11.195	156	186832	55.124	ug/l	100
78) n-propylbenzene	11.299	91	918573	55.413	ug/l	100
79) 2-Chlorotoluene	11.360	91	549070	54.793	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	636323	55.720	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	35295	47.608	ug/l	100
82) 4-Chlorotoluene	11.451	91	643830	54.505	ug/l	100
83) tert-Butylbenzene	11.713	119	641951	56.344	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	646548	56.614	ug/l	100
85) sec-Butylbenzene	11.890	105	783341	55.470	ug/l	100
86) p-Isopropyltoluene	12.006	119	660872	55.303	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	351718	54.320	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	352196	52.886	ug/l	100
89) n-Butylbenzene	12.329	91	610840	54.957	ug/l	100
90) Hexachloroethane	12.536	117	115780	55.228	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	330287	53.742	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43861	55.654	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	218820	53.111	ug/l	100
94) Hexachlorobutadiene	13.725	225	71744	48.921	ug/l	100
95) Naphthalene	13.774	128	670303	56.930	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	208179	53.605	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

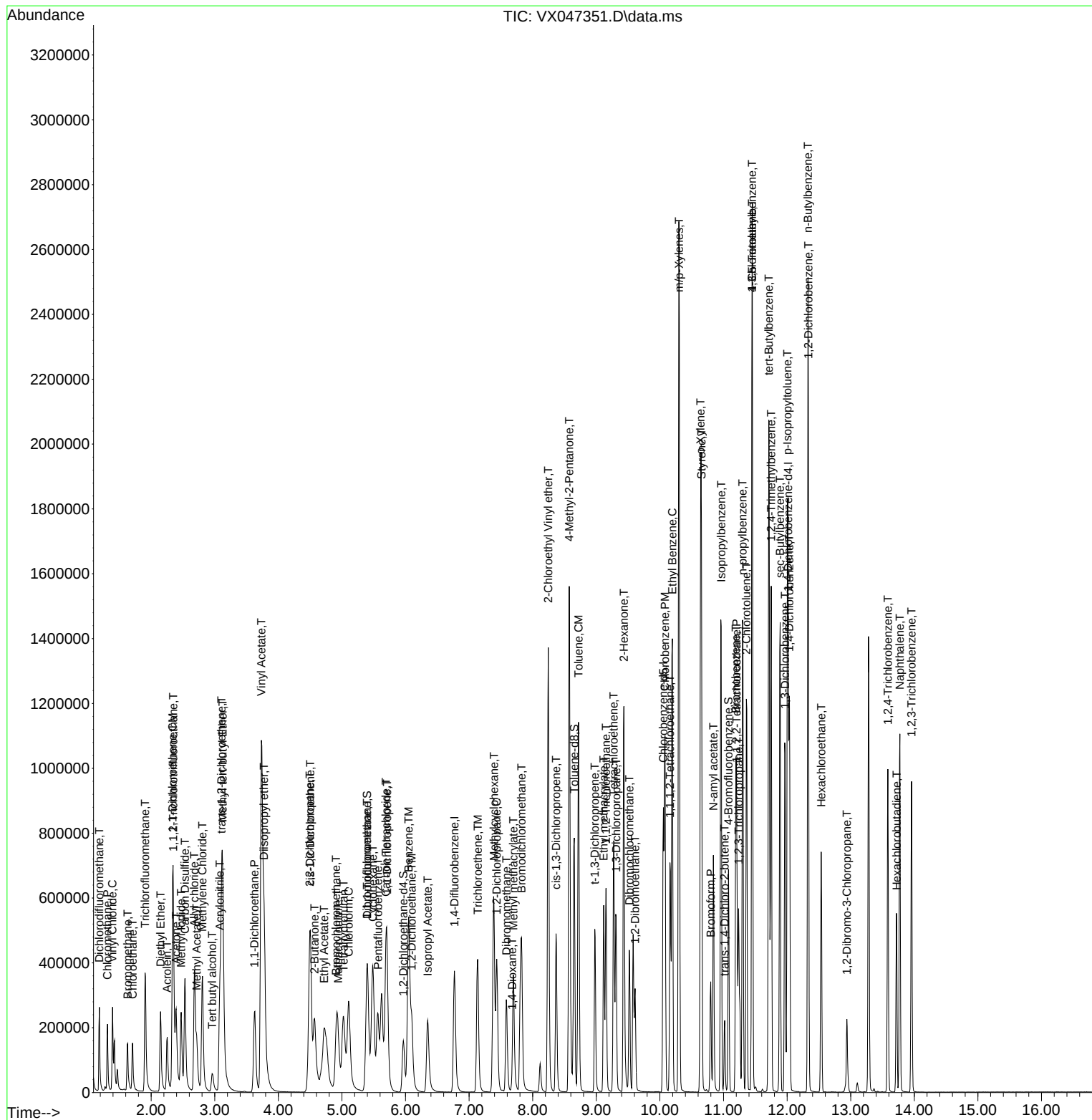
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047351.D
 Acq On : 15 Aug 2025 10:22
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047352.D
 Acq On : 15 Aug 2025 10:43
 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 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	230991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	391443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	345087	106.746	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 213.500%#			
35) Dibromofluoromethane	5.397	113	276832	108.967	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 217.940%#			
50) Toluene-d8	8.653	98	975414	107.419	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 214.840%#			
62) 4-Bromofluorobenzene	11.079	95	353668	105.546	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 211.100%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	309782	105.204	ug/l	99
3) Chloromethane	1.313	50	261885	98.864	ug/l	96
4) Vinyl Chloride	1.392	62	336909	101.331	ug/l	97
5) Bromomethane	1.624	94	142644	106.217	ug/l	96
6) Chloroethane	1.703	64	189413	93.112	ug/l	98
7) Trichlorofluoromethane	1.904	101	489572	99.548	ug/l	99
8) Diethyl Ether	2.148	74	171145	98.832	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	288420	101.101	ug/l	99
10) Methyl Iodide	2.471	142	545687	111.619	ug/l	98
11) Tert butyl alcohol	2.971	59	143673	510.865	ug/l	99
12) 1,1-Dichloroethene	2.337	96	293450	100.899	ug/l	99
13) Acrolein	2.252	56	294322	495.763	ug/l	100
14) Allyl chloride	2.678	41	512225	101.402	ug/l	99
15) Acrylonitrile	3.081	53	691797	509.058	ug/l	100
16) Acetone	2.392	43	554774	456.549	ug/l	98
17) Carbon Disulfide	2.532	76	840388	95.757	ug/l	100
18) Methyl Acetate	2.715	43	318444	101.128	ug/l	100
19) Methyl tert-butyl Ether	3.129	73	906301	102.433	ug/l	98
20) Methylene Chloride	2.806	84	309183	96.088	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	302669	98.051	ug/l	99
22) Diisopropyl ether	3.776	45	1007141	100.865	ug/l	99
23) Vinyl Acetate	3.733	43	4206762	514.008	ug/l	99
24) 1,1-Dichloroethane	3.623	63	558936	99.034	ug/l	99
25) 2-Butanone	4.568	43	789816	496.288	ug/l	98
26) 2,2-Dichloropropane	4.489	77	434139	101.916	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	355238	98.806	ug/l	99
28) Bromochloromethane	4.910	49	258648	110.131	ug/l	99
29) Tetrahydrofuran	5.019	42	505709	491.640	ug/l	98
30) Chloroform	5.105	83	560984	97.394	ug/l	100
31) Cyclohexane	5.489	56	499975	96.100	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	499294	100.709	ug/l	99
36) 1,1-Dichloropropene	5.702	75	398144	99.278	ug/l	100
37) Ethyl Acetate	4.727	43	413279	99.265	ug/l	99
38) Carbon Tetrachloride	5.690	117	430061	98.132	ug/l	99
39) Methylcyclohexane	7.385	83	500907	100.134	ug/l	97
40) Benzene	6.050	78	1186760	98.866	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047352.D
 Acq On : 15 Aug 2025 10:43
 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 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	191678	109.177	ug/l	95
42) 1,2-Dichloroethane	6.098	62	416430	97.940	ug/l	99
43) Isopropyl Acetate	6.348	43	624423	104.400	ug/l	100
44) Trichloroethene	7.135	130	304976	99.224	ug/l	98
45) 1,2-Dichloropropane	7.434	63	298616	99.300	ug/l	97
46) Dibromomethane	7.586	93	214069	98.052	ug/l	99
47) Bromodichloromethane	7.824	83	452578	99.995	ug/l	100
48) Methyl methacrylate	7.696	41	322487	103.875	ug/l	99
49) 1,4-Dioxane	7.684	88	61142	2073.830	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1766006	513.097	ug/l	99
52) Toluene	8.720	92	733119	98.837	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	423279	107.156	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	463640	103.698	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	275607	97.863	ug/l	98
56) Ethyl methacrylate	9.116	69	440765	106.154	ug/l	100
57) 1,3-Dichloropropane	9.311	76	469804	97.899	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	1000312	496.016	ug/l	99
59) 2-Hexanone	9.433	43	1215128	510.384	ug/l	100
60) Dibromochloromethane	9.519	129	333420	99.621	ug/l	100
61) 1,2-Dibromoethane	9.610	107	285821	98.420	ug/l	98
64) Tetrachloroethene	9.275	164	248666	99.506	ug/l	98
65) Chlorobenzene	10.079	112	803672	97.887	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	278595	100.380	ug/l	99
67) Ethyl Benzene	10.195	91	1424862	100.832	ug/l	99
68) m/p-Xylenes	10.299	106	1056553	200.518	ug/l	99
69) o-Xylene	10.640	106	508020	100.188	ug/l	99
70) Styrene	10.652	104	878271	102.509	ug/l	100
71) Bromoform	10.799	173	211374	101.376	ug/l	99
73) Isopropylbenzene	10.963	105	1326045	103.466	ug/l	99
74) N-amyl acetate	10.841	43	543008	111.573	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	374215	99.448	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	301098m	100.238	ug/l	
77) Bromobenzene	11.195	156	320460	102.397	ug/l	99
78) n-propylbenzene	11.305	91	1577819	103.081	ug/l	100
79) 2-Chlorotoluene	11.360	91	926261	100.105	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	1084580	102.852	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	70384	93.696	ug/l	98
82) 4-Chlorotoluene	11.451	91	1080450	99.058	ug/l	99
83) tert-Butylbenzene	11.713	119	1092054	103.803	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	1086843	103.064	ug/l	99
85) sec-Butylbenzene	11.890	105	1343222	103.010	ug/l	99
86) p-Isopropyltoluene	12.006	119	1118938	101.405	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	593233	99.223	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	585597	95.231	ug/l	99
89) n-Butylbenzene	12.329	91	1050897	102.394	ug/l	100
90) Hexachloroethane	12.536	117	202423	104.570	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	558580	98.430	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	77939	107.101	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	389962	102.504	ug/l	98
94) Hexachlorobutadiene	13.719	225	123286	91.042	ug/l	98
95) Naphthalene	13.774	128	1191910	109.632	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	370778	103.395	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

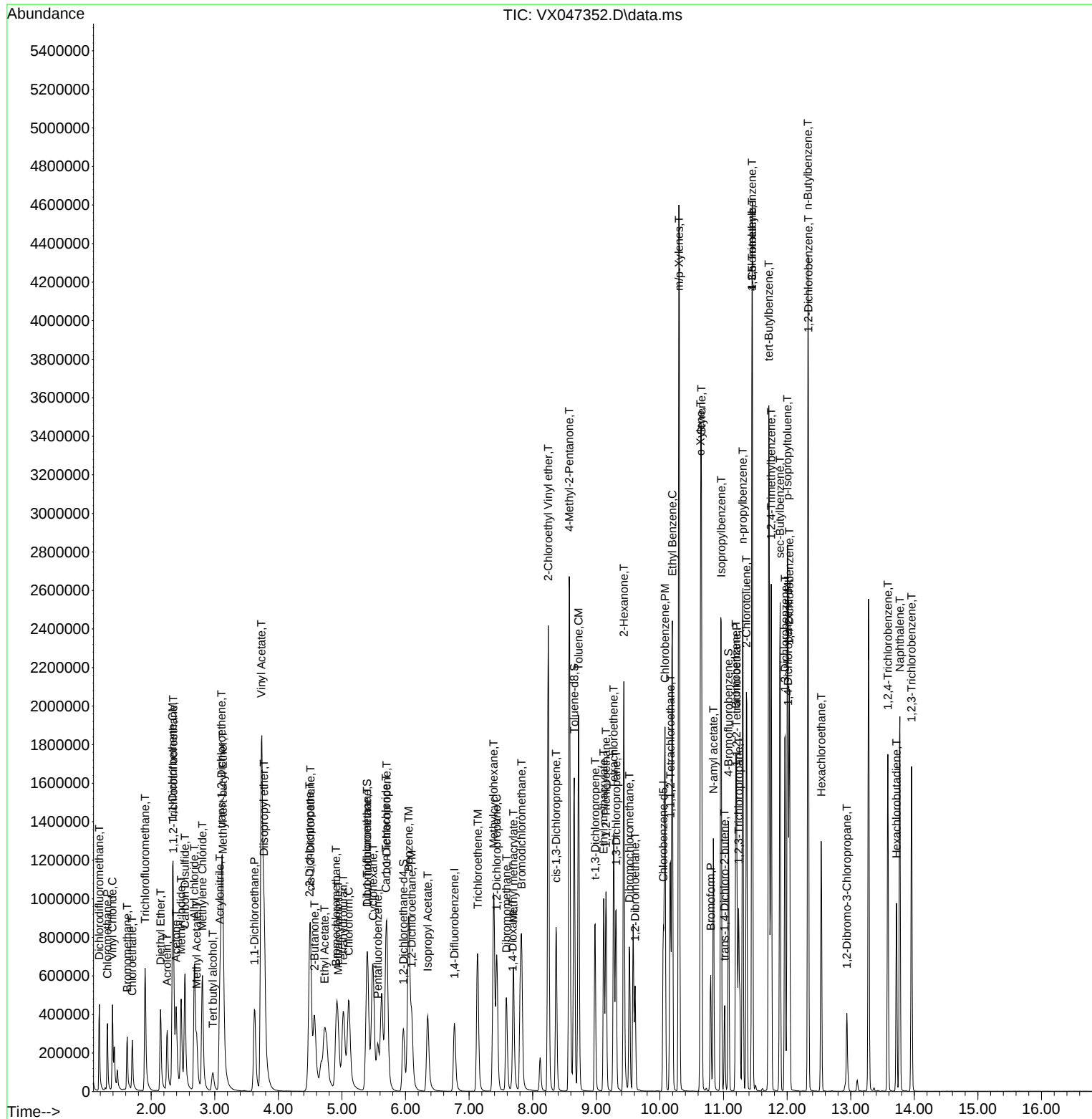
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047353.D
 Acq On : 15 Aug 2025 11:05
 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 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:55:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	218039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	378315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	330090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	153878	50.000	ug/l	# 0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	498398	163.328	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 326.660%#	
35) Dibromofluoromethane	5.397	113	396260	161.390	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 322.780%#	
50) Toluene-d8	8.653	98	1397755	159.272	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 318.540%#	
62) 4-Bromofluorobenzene	11.079	95	508844	157.125	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 314.240%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	445045	160.118	ug/l	98
3) Chloromethane	1.313	50	388526	155.385	ug/l	97
4) Vinyl Chloride	1.392	62	494933	157.702	ug/l	97
5) Bromomethane	1.618	94	170864	134.788	ug/l	100
6) Chloroethane	1.703	64	276042	143.758	ug/l	97
7) Trichlorofluoromethane	1.904	101	699331	150.647	ug/l	98
8) Diethyl Ether	2.148	74	251983	154.158	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	416485	154.664	ug/l	99
10) Methyl Iodide	2.471	142	794834	172.239	ug/l	98
11) Tert butyl alcohol	2.977	59	206679	778.553	ug/l	100
12) 1,1-Dichloroethene	2.337	96	425622	155.037	ug/l	99
13) Acrolein	2.252	56	429798	766.968	ug/l	100
14) Allyl chloride	2.678	41	735481	154.247	ug/l	99
15) Acrylonitrile	3.087	53	991254	772.742	ug/l	100
16) Acetone	2.392	43	784600	684.039	ug/l	99
17) Carbon Disulfide	2.532	76	1212975	146.420	ug/l	100
18) Methyl Acetate	2.715	43	476497	160.309	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	1317168	157.713	ug/l	100
20) Methylene Chloride	2.806	84	447216	147.242	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	434634	149.166	ug/l	98
22) Diisopropyl ether	3.776	45	1429793	151.699	ug/l	99
23) Vinyl Acetate	3.733	43	6020474	779.316	ug/l	100
24) 1,1-Dichloroethane	3.623	63	809793	152.005	ug/l	99
25) 2-Butanone	4.568	43	1122803	747.433	ug/l	98
26) 2,2-Dichloropropane	4.495	77	627662	156.100	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	509580	150.154	ug/l	99
28) Bromochloromethane	4.916	49	343257	154.839	ug/l	100
29) Tetrahydrofuran	5.019	42	717541	739.017	ug/l	97
30) Chloroform	5.105	83	812939	149.521	ug/l	99
31) Cyclohexane	5.483	56	727704	148.180	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	723635	154.630	ug/l	99
36) 1,1-Dichloropropene	5.702	75	570157	147.104	ug/l	99
37) Ethyl Acetate	4.727	43	593362	147.465	ug/l	97
38) Carbon Tetrachloride	5.690	117	628733	148.444	ug/l	98
39) Methylcyclohexane	7.385	83	729123	150.814	ug/l	97
40) Benzene	6.050	78	1706889	147.130	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047353.D
 Acq On : 15 Aug 2025 11:05
 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 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:55:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	262323	154.600	ug/l	98
42) 1,2-Dichloroethane	6.098	62	599255	145.829	ug/l	100
43) Isopropyl Acetate	6.348	43	910348	157.486	ug/l	100
44) Trichloroethene	7.129	130	443361	149.252	ug/l	98
45) 1,2-Dichloropropane	7.434	63	433512	149.161	ug/l	99
46) Dibromomethane	7.586	93	312886	148.288	ug/l	99
47) Bromodichloromethane	7.824	83	650767	148.773	ug/l	99
48) Methyl methacrylate	7.696	41	473316	157.749	ug/l	99
49) 1,4-Dioxane	7.677	88	88481	3105.263	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	2521407	757.992	ug/l	100
52) Toluene	8.720	92	1052008	146.750	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	624499	163.583	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	682860	158.029	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	394302	144.868	ug/l	97
56) Ethyl methacrylate	9.116	69	646154	161.020	ug/l	99
57) 1,3-Dichloropropane	9.311	76	672087	144.911	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	1468000	748.853	ug/l	99
59) 2-Hexanone	9.433	43	1737616	755.168	ug/l	100
60) Dibromochloromethane	9.525	129	476650	147.358	ug/l	99
61) 1,2-Dibromoethane	9.610	107	410057	146.099	ug/l	99
64) Tetrachloroethene	9.275	164	356989	149.518	ug/l	99
65) Chlorobenzene	10.079	112	1163848	148.370	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	405123	152.780	ug/l	100
67) Ethyl Benzene	10.195	91	2036272	150.823	ug/l	99
68) m/p-Xylenes	10.299	106	1502542	298.466	ug/l	99
69) o-Xylene	10.640	106	725154	149.683	ug/l	100
70) Styrene	10.653	104	1253652	153.150	ug/l	99
71) Bromoform	10.799	173	309626	155.427	ug/l #	99
73) Isopropylbenzene	10.963	105	1883521	156.417	ug/l	99
74) N-amyl acetate	10.842	43	790124	172.791	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	531651	150.375	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	425332m	150.704	ug/l	
77) Bromobenzene	11.195	156	451000	153.378	ug/l	99
78) n-propylbenzene	11.305	91	2235938	155.473	ug/l	99
79) 2-Chlorotoluene	11.366	91	1306418	150.272	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	1536791	155.110	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	113338	154.967	ug/l	97
82) 4-Chlorotoluene	11.451	91	1541070	150.376	ug/l	100
83) tert-Butylbenzene	11.713	119	1542621	156.062	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	1535261	154.952	ug/l	99
85) sec-Butylbenzene	11.890	105	1912224	156.078	ug/l	100
86) p-Isopropyltoluene	12.006	119	1601345	154.459	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	841394	149.783	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	837395	144.939	ug/l	100
89) n-Butylbenzene	12.329	91	1489473	154.462	ug/l	100
90) Hexachloroethane	12.536	117	303295	166.757	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	798192	149.701	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	115101	168.342	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	555658	155.453	ug/l	100
94) Hexachlorobutadiene	13.725	225	176870	139.013	ug/l	98
95) Naphthalene	13.774	128	1715681	167.959	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	535287	158.872	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

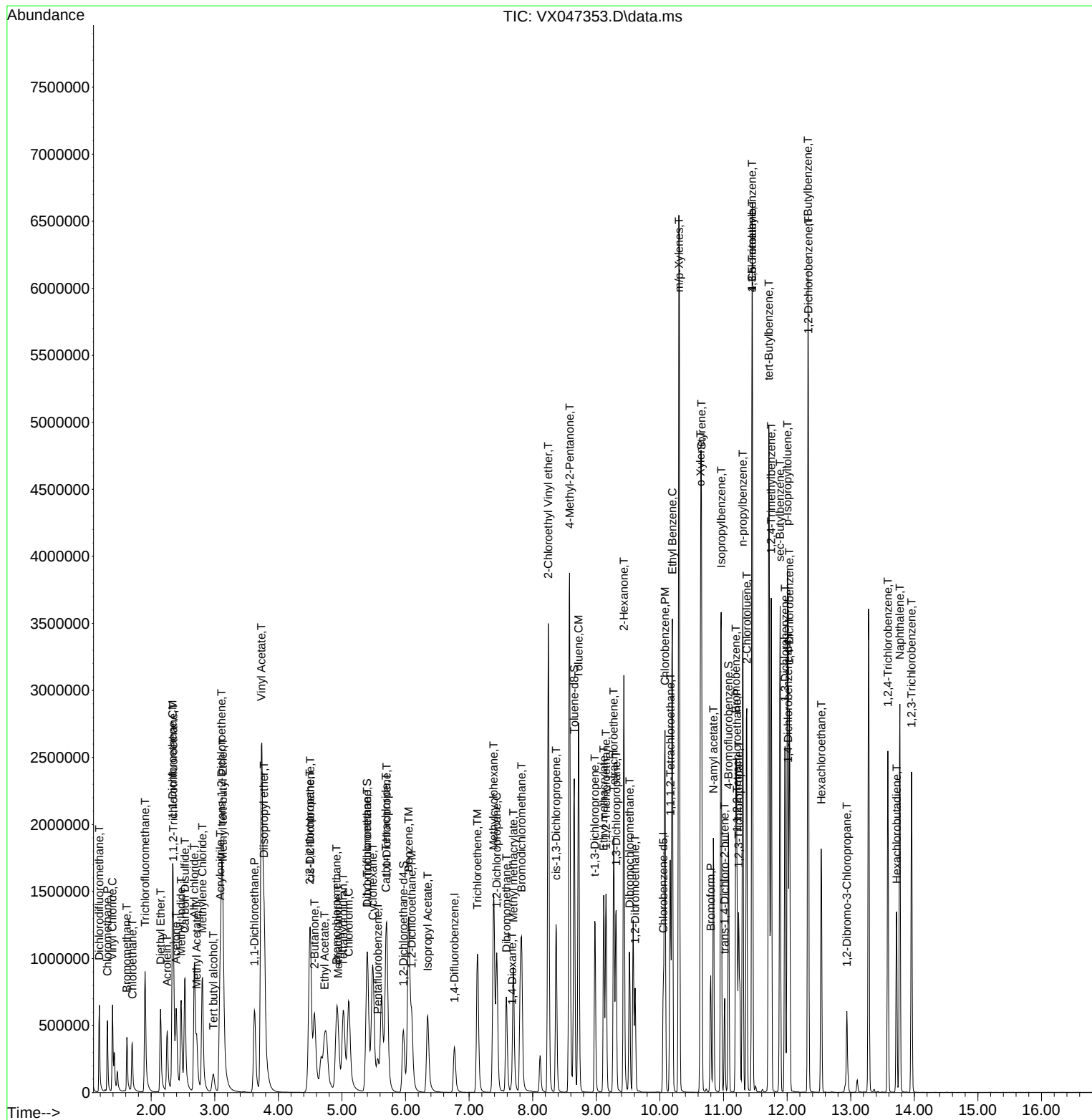
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Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047356.D
 Acq On : 15 Aug 2025 12:30
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Aug 18 02:56:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	286149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	494689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	456440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	228745	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	1.184	85	3127	0.857	ug/l	94
3) Chloromethane	1.313	50	3143	0.958	ug/l	99
4) Vinyl Chloride	1.392	62	3606	0.876	ug/l #	68
6) Chloroethane	1.709	64	2950	1.171	ug/l	91
7) Trichlorofluoromethane	1.904	101	5369	0.881	ug/l	86
8) Diethyl Ether	2.148	74	1947	0.908	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.349	101	2830	0.801	ug/l #	90
12) 1,1-Dichloroethene	2.337	96	3176	0.882	ug/l #	84
14) Allyl chloride	2.684	41	5441m	0.869	ug/l	
15) Acrylonitrile	3.087	53	7106	4.221	ug/l	89
16) Acetone	2.392	43	7123	4.732	ug/l	91
17) Carbon Disulfide	2.532	76	11842	1.089	ug/l #	93
18) Methyl Acetate	2.721	43	3556	0.912	ug/l #	84
19) Methyl tert-butyl Ether	3.129	73	8892	0.811	ug/l	95
20) Methylene Chloride	2.812	84	3953	0.992	ug/l	88
21) trans-1,2-Dichloroethene	3.111	96	3552	0.929	ug/l #	87
22) Diisopropyl ether	3.782	45	9930	0.803	ug/l	96
23) Vinyl Acetate	3.751	43	40393	3.984	ug/l #	90
24) 1,1-Dichloroethane	3.629	63	6019	0.861	ug/l #	85
25) 2-Butanone	4.605	43	8214	4.166	ug/l #	87
26) 2,2-Dichloropropane	4.489	77	4442	0.842	ug/l	80
27) cis-1,2-Dichloroethene	4.513	96	3960	0.889	ug/l	88
28) Bromochloromethane	4.934	49	2750	0.945	ug/l #	89
29) Tetrahydrofuran	5.044	42	6273m	4.923	ug/l	
30) Chloroform	5.117	83	6246	0.875	ug/l	86
32) 1,1,1-Trichloroethane	5.415	97	4939	0.804	ug/l #	49
36) 1,1-Dichloropropene	5.708	75	4692	0.926	ug/l	94
37) Ethyl Acetate	4.757	43	4864m	0.924	ug/l	
38) Carbon Tetrachloride	5.696	117	5100	0.921	ug/l	92
39) Methylcyclohexane	7.391	83	5884	0.931	ug/l	88
40) Benzene	6.056	78	12977	0.855	ug/l	92
41) Methacrylonitrile	4.958	41	1736m	0.782	ug/l	
42) 1,2-Dichloroethane	6.123	62	4784	0.890	ug/l	88
43) Isopropyl Acetate	6.366	43	6382	0.844	ug/l #	81
44) Trichloroethene	7.141	130	3329	0.857	ug/l	87
45) 1,2-Dichloropropane	7.446	63	3532	0.929	ug/l #	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047356.D
 Acq On : 15 Aug 2025 12:30
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Quant Time: Aug 18 02:56:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 02:51:35 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	2453	0.889	ug/l	94
47) Bromodichloromethane	7.830	83	5078	0.888	ug/l #	98
48) Methyl methacrylate	7.720	41	3480m	0.887	ug/l	
49) 1,4-Dioxane	7.708	88	559m	15.003	ug/l	
51) 4-Methyl-2-Pentanone	8.586	43	17109	3.933	ug/l	96
52) Toluene	8.726	92	7930	0.846	ug/l	99
53) t-1,3-Dichloropropene	8.988	75	3671	0.735	ug/l	91
54) cis-1,3-Dichloropropene	8.378	75	4466	0.790	ug/l	94
55) 1,1,2-Trichloroethane	9.159	97	3095	0.870	ug/l	97
56) Ethyl methacrylate	9.128	69	4003	0.763	ug/l	94
57) 1,3-Dichloropropane	9.311	76	5471	0.902	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.256	63	5074	10.313	ug/l	95
59) 2-Hexanone	9.439	43	11811	3.926	ug/l	92
60) Dibromochloromethane	9.524	129	3776	0.893	ug/l	87
61) 1,2-Dibromoethane	9.616	107	3325	0.906	ug/l	94
64) Tetrachloroethene	9.274	164	2888	0.875	ug/l	94
65) Chlorobenzene	10.079	112	9799	0.903	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	3146	0.858	ug/l #	65
67) Ethyl Benzene	10.195	91	15680	0.840	ug/l	90
68) m/p-Xylenes	10.305	106	11714	1.683	ug/l	98
69) o-Xylene	10.640	106	5943	0.887	ug/l	93
70) Styrene	10.664	104	8294	0.733	ug/l	91
71) Bromoform	10.805	173	2201	0.799	ug/l #	94
73) Isopropylbenzene	10.963	105	14688	0.821	ug/l	94
74) N-amyl acetate	10.853	43	4792	0.705	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	4778	0.909	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	3744m	0.892	ug/l	
77) Bromobenzene	11.201	156	3648	0.835	ug/l	92
78) n-propylbenzene	11.305	91	17866	0.836	ug/l	100
79) 2-Chlorotoluene	11.366	91	11644	0.901	ug/l	93
80) 1,3,5-Trimethylbenzene	11.451	105	12427	0.844	ug/l	99
82) 4-Chlorotoluene	11.457	91	13922	0.914	ug/l	97
83) tert-Butylbenzene	11.713	119	12162	0.828	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	11509	0.781	ug/l	99
85) sec-Butylbenzene	11.890	105	14973	0.822	ug/l	97
86) p-Isopropyltoluene	12.012	119	13546	0.879	ug/l	95
87) 1,3-Dichlorobenzene	11.975	146	7821	0.937	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	8856m	1.031	ug/l	
89) n-Butylbenzene	12.335	91	12883	0.899	ug/l	97
90) Hexachloroethane	12.536	117	2421	0.895	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	7461	0.941	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	876	0.862	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	5232	0.985	ug/l	99
94) Hexachlorobutadiene	13.725	225	2573	1.360	ug/l	95
95) Naphthalene	13.780	128	12231	0.805	ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	4918	0.982	ug/l	99

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

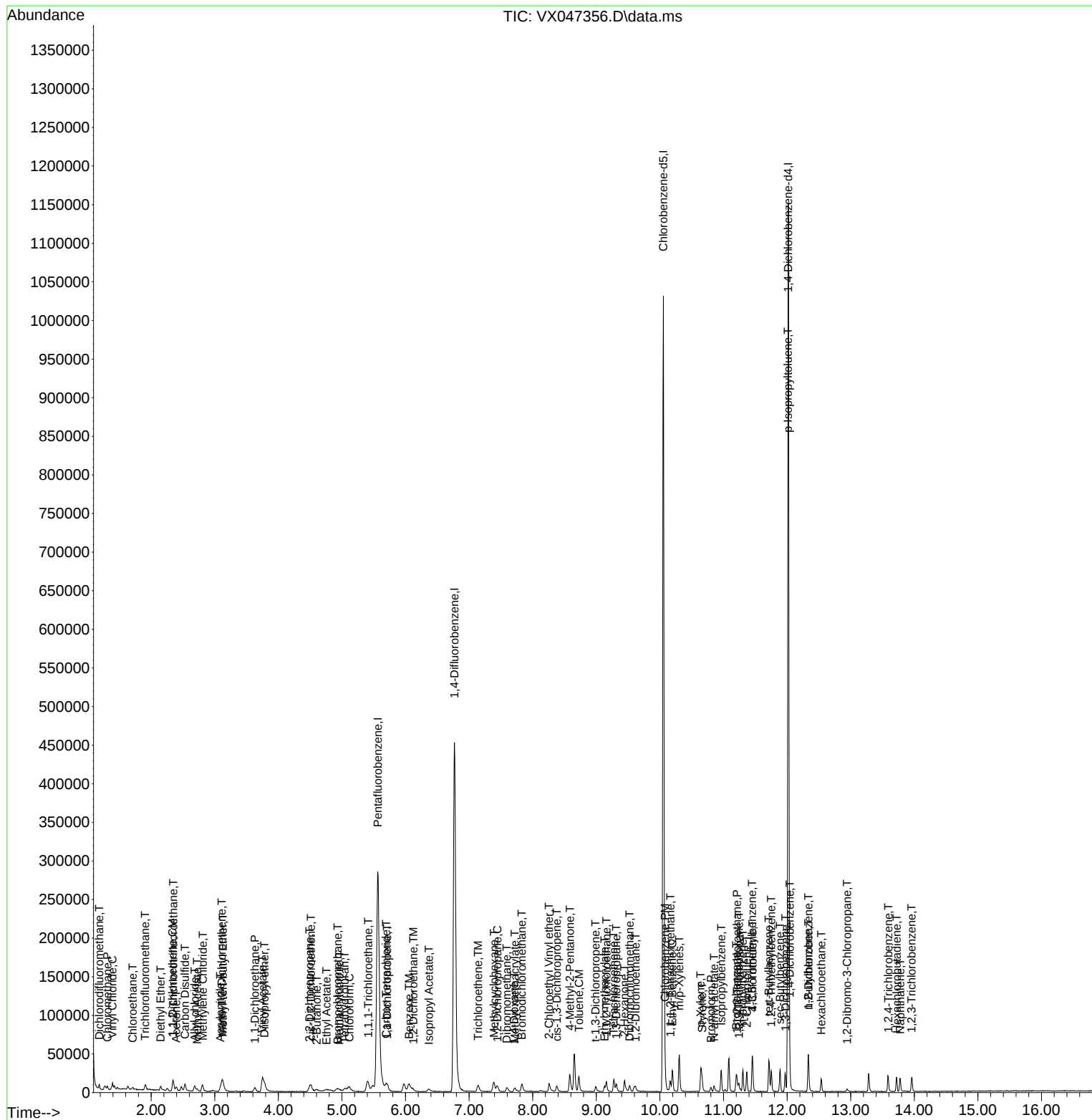
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047356.D
Acq On    : 15 Aug 2025 12:30
Operator  : JC/MD
Sample    : VSTDIC001
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 12 Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:56:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047357.D
 Acq On : 15 Aug 2025 13:11
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081525

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	250887	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	427543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	379004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	185789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	192241	54.750	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.500%			
35) Dibromofluoromethane	5.391	113	153967	55.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.980%			
50) Toluene-d8	8.647	98	540007	54.448	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.900%			
62) 4-Bromofluorobenzene	11.079	95	200280	54.723	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	166246	51.981	ug/l	99
3) Chloromethane	1.313	50	143779	49.973	ug/l	96
4) Vinyl Chloride	1.392	62	183527	50.822	ug/l	97
5) Bromomethane	1.630	94	81779	56.066	ug/l	98
6) Chloroethane	1.703	64	109193	49.421	ug/l	99
7) Trichlorofluoromethane	1.904	101	266531	49.898	ug/l	99
8) Diethyl Ether	2.148	74	94290	50.132	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	155403	50.154	ug/l	99
10) Methyl Iodide	2.465	142	238348	44.887	ug/l	99
11) Tert butyl alcohol	2.959	59	70101	229.494	ug/l	97
12) 1,1-Dichloroethene	2.337	96	158941	50.316	ug/l	99
13) Acrolein	2.245	56	133586	207.171	ug/l	99
14) Allyl chloride	2.678	41	271599	49.503	ug/l	100
15) Acrylonitrile	3.075	53	369146	250.094	ug/l	99
16) Acetone	2.386	43	324930	246.195	ug/l	96
17) Carbon Disulfide	2.526	76	457873	48.034	ug/l	99
18) Methyl Acetate	2.715	43	163394	47.774	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	481187	50.072	ug/l	98
20) Methylene Chloride	2.800	84	173780	49.724	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	165465	49.352	ug/l	97
22) Diisopropyl ether	3.769	45	556979	51.358	ug/l	99
23) Vinyl Acetate	3.727	43	2264555	254.755	ug/l	99
24) 1,1-Dichloroethane	3.617	63	303962	49.586	ug/l	98
25) 2-Butanone	4.562	43	422081	244.186	ug/l	100
26) 2,2-Dichloropropane	4.483	77	232204	50.188	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	193324	49.507	ug/l	98
28) Bromochloromethane	4.903	49	145787	57.153	ug/l	100
29) Tetrahydrofuran	5.019	42	268867	240.659	ug/l	99
30) Chloroform	5.099	83	306888	49.055	ug/l	98
31) Cyclohexane	5.477	56	265960	47.066	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	263954	49.018	ug/l	99
36) 1,1-Dichloropropene	5.702	75	208616	47.627	ug/l	99
37) Ethyl Acetate	4.721	43	214695	47.213	ug/l	99
38) Carbon Tetrachloride	5.684	117	226854	47.393	ug/l	100
39) Methylcyclohexane	7.379	83	257199	47.074	ug/l	96
40) Benzene	6.043	78	638127	48.672	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047357.D
 Acq On : 15 Aug 2025 13:11
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081525

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	93517	48.768	ug/l	97
42) 1,2-Dichloroethane	6.086	62	226201	48.708	ug/l	99
43) Isopropyl Acetate	6.342	43	318400	48.740	ug/l	100
44) Trichloroethene	7.129	130	161053	47.974	ug/l	98
45) 1,2-Dichloropropane	7.427	63	160155	48.760	ug/l	98
46) Dibromomethane	7.580	93	115651	48.500	ug/l	98
47) Bromodichloromethane	7.824	83	237881	48.121	ug/l	100
48) Methyl methacrylate	7.690	41	164810	48.604	ug/l	99
49) 1,4-Dioxane	7.677	88	29362m	890.740	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	916499	243.797	ug/l	99
52) Toluene	8.720	92	394588	48.706	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	218807	50.716	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	243957	49.956	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	148831	48.385	ug/l	98
56) Ethyl methacrylate	9.116	69	227388	50.140	ug/l	100
57) 1,3-Dichloropropane	9.305	76	253108	48.290	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	480379	222.770	ug/l	98
59) 2-Hexanone	9.427	43	630542	242.481	ug/l	99
60) Dibromochloromethane	9.518	129	175911	48.122	ug/l	99
61) 1,2-Dibromoethane	9.610	107	152160	47.971	ug/l	99
64) Tetrachloroethene	9.275	164	131233	47.871	ug/l	98
65) Chlorobenzene	10.079	112	429835	47.724	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	146443	48.099	ug/l	99
67) Ethyl Benzene	10.189	91	756938	48.829	ug/l	99
68) m/p-Xylenes	10.299	106	570536	98.705	ug/l	99
69) o-Xylene	10.640	106	273804	49.223	ug/l	99
70) Styrene	10.652	104	471591	50.176	ug/l	100
71) Bromoform	10.799	173	110810	48.446	ug/l #	99
73) Isopropylbenzene	10.957	105	718690	49.432	ug/l	100
74) N-amyl acetate	10.841	43	277245	50.217	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	205267	48.087	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	163259m	47.911	ug/l	
77) Bromobenzene	11.195	156	172064	48.465	ug/l	99
78) n-propylbenzene	11.299	91	856923	49.351	ug/l	99
79) 2-Chlorotoluene	11.360	91	506366	48.241	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	586315	49.013	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	32392	42.686	ug/l	99
82) 4-Chlorotoluene	11.451	91	592542	47.889	ug/l	99
83) tert-Butylbenzene	11.713	119	594831	49.841	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	595697	49.796	ug/l	99
85) sec-Butylbenzene	11.890	105	732328	49.507	ug/l	100
86) p-Isopropyltoluene	12.006	119	617508	49.332	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	325055	47.926	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	326132	46.752	ug/l	100
89) n-Butylbenzene	12.329	91	576963	49.556	ug/l	99
90) Hexachloroethane	12.536	117	107051	48.749	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	304391	47.283	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38911	47.135	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	206837	47.926	ug/l	98
94) Hexachlorobutadiene	13.725	225	66005	42.967	ug/l	98
95) Naphthalene	13.774	128	604650	49.026	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	194540	47.822	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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

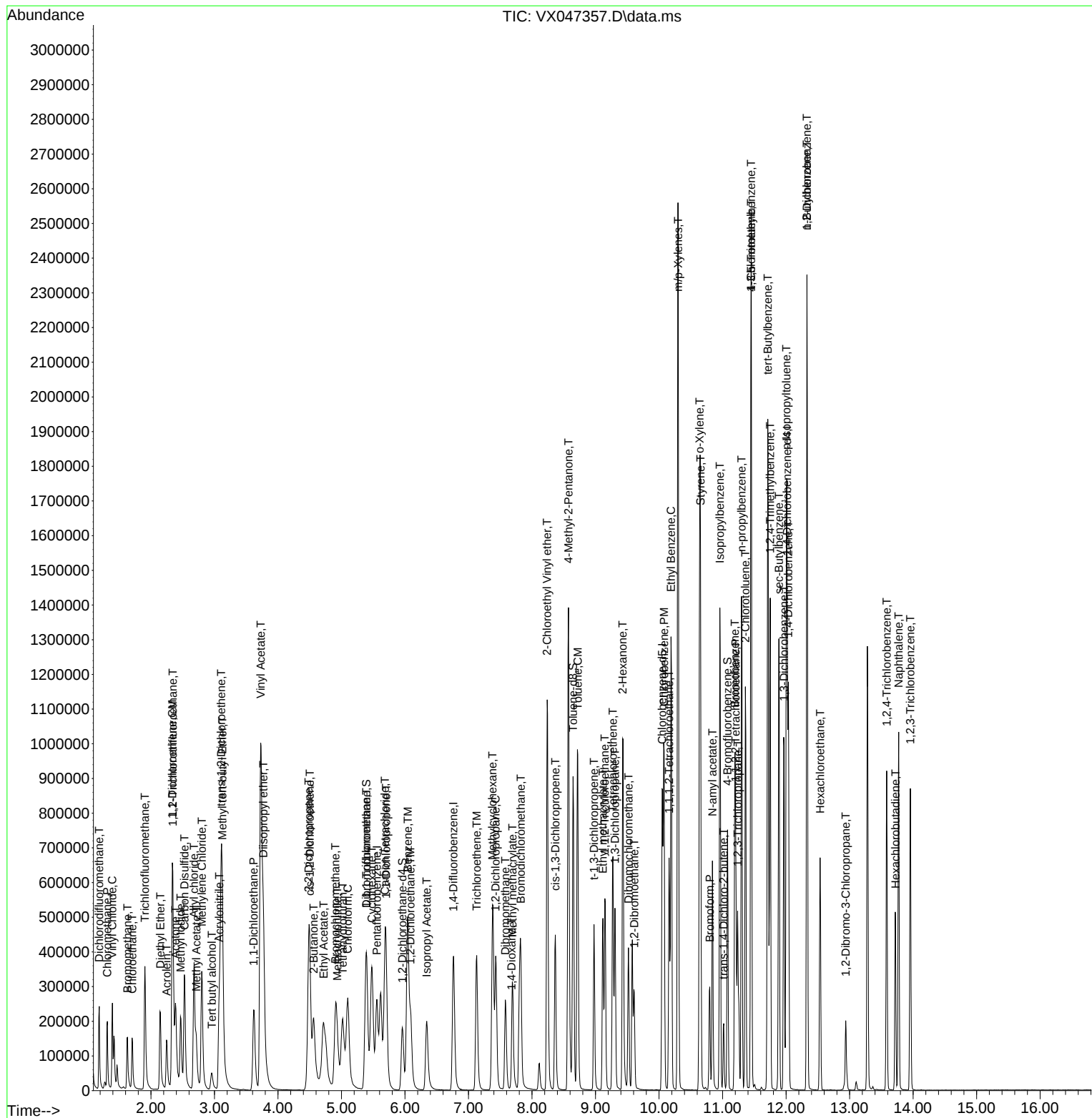
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047357.D
 Acq On : 15 Aug 2025 13:11
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081525

Manual Integrations APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047357.D
 Acq On : 15 Aug 2025 13:11
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081525

Quant Time: Aug 18 04:22:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 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	105	-0.01
2 T	Dichlorodifluoromethane	0.637	0.663	-4.1	95	0.00
3 P	Chloromethane	0.573	0.573	0.0	97	0.00
4 C	Vinyl Chloride	0.720	0.732	-1.7#	96	0.00
5 T	Bromomethane	0.291	0.326	-12.0	102	0.00
6 T	Chloroethane	0.440	0.435	1.1	99	0.00
7 T	Trichlorofluoromethane	1.065	1.062	0.3	94	0.00
8 T	Diethyl Ether	0.375	0.376	-0.3	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.618	0.619	-0.2	93	0.00
10 T	Methyl Iodide	1.058	0.950	10.2	86	0.00
11 T	Tert butyl alcohol	0.061	0.056	8.2	86	0.00
12 CM	1,1-Dichloroethene	0.630	0.634	-0.6#	96	0.00
13 T	Acrolein	0.129	0.106	17.8	85	0.00
14 T	Allyl chloride	1.093	1.083	0.9	94	0.00
15 T	Acrylonitrile	0.294	0.294	0.0	91	0.00
16 T	Acetone	0.263	0.259	1.5	97	0.00
17 T	Carbon Disulfide	1.900	1.825	3.9	96	0.00
18 T	Methyl Acetate	0.682	0.651	4.5	89	0.00
19 T	Methyl tert-butyl Ether	1.915	1.918	-0.2	93	0.00
20 T	Methylene Chloride	0.697	0.693	0.6	96	0.00
21 T	trans-1,2-Dichloroethene	0.668	0.660	1.2	96	0.00
22 T	Diisopropyl ether	2.161	2.220	-2.7	95	0.00
23 T	Vinyl Acetate	1.772	1.805	-1.9	93	0.00
24 P	1,1-Dichloroethane	1.222	1.212	0.8	94	0.00
25 T	2-Butanone	0.344	0.336	2.3	91	0.00
26 T	2,2-Dichloropropane	0.922	0.926	-0.4	96	-0.01
27 T	cis-1,2-Dichloroethene	0.778	0.771	0.9	96	0.00
28 T	Bromochloromethane	0.508	0.581	-14.4	113	0.00
29 T	Tetrahydrofuran	0.223	0.214	4.0	92	0.00
30 C	Chloroform	1.247	1.223	1.9#	94	0.00
31 T	Cyclohexane	1.126	1.060	5.9	92	0.00
32 T	1,1,1-Trichloroethane	1.073	1.052	2.0	92	0.00
33 S	1,2-Dichloroethane-d4	0.700	0.766	-9.4	115	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.325	0.360	-10.8	115	0.00
36 T	1,1-Dichloropropene	0.512	0.488	4.7	91	0.00
37 T	Ethyl Acetate	0.532	0.502	5.6	90	0.00
38 T	Carbon Tetrachloride	0.560	0.531	5.2	92	0.00
39 T	Methylcyclohexane	0.639	0.602	5.8	91	-0.01
40 TM	Benzene	1.533	1.493	2.6	92	0.00
41 T	Methacrylonitrile	0.224	0.219	2.2	89	0.00
42 TM	1,2-Dichloroethane	0.543	0.529	2.6	93	-0.01
43 T	Isopropyl Acetate	0.764	0.745	2.5	90	0.00
44 TM	Trichloroethene	0.393	0.377	4.1	92	0.00
45 C	1,2-Dichloropropane	0.384	0.375	2.3#	94	0.00
46 T	Dibromomethane	0.279	0.271	2.9	94	0.00
47 T	Bromodichloromethane	0.578	0.556	3.8	92	0.00
48 T	Methyl methacrylate	0.397	0.385	3.0	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047357.D
 Acq On : 15 Aug 2025 13:11
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVX081525

Quant Time: Aug 18 04:22:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 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	0.003	25.0	81	0.00
50 S	Toluene-d8	1.160	1.263	-8.9	114	0.00
51 T	4-Methyl-2-Pentanone	0.440	0.429	2.5	89	0.00
52 CM	Toluene	0.947	0.923	2.5#	92	0.00
53 T	t-1,3-Dichloropropene	0.505	0.512	-1.4	92	0.00
54 T	cis-1,3-Dichloropropene	0.571	0.571	0.0	94	0.00
55 T	1,1,2-Trichloroethane	0.360	0.348	3.3	93	0.00
56 T	Ethyl methacrylate	0.530	0.532	-0.4	91	0.00
57 T	1,3-Dichloropropane	0.613	0.592	3.4	93	0.00
58 T	2-Chloroethyl Vinyl ether	0.211	0.225	-6.6	86	0.00
59 T	2-Hexanone	0.304	0.295	3.0	90	0.00
60 T	Dibromochloromethane	0.428	0.411	4.0	93	0.00
61 T	1,2-Dibromoethane	0.371	0.356	4.0	92	0.00
62 S	4-Bromofluorobenzene	0.428	0.468	-9.3	115	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64 T	Tetrachloroethene	0.362	0.346	4.4	91	0.00
65 PM	Chlorobenzene	1.188	1.134	4.5	92	0.00
66 T	1,1,1,2-Tetrachloroethane	0.402	0.386	4.0	91	0.00
67 C	Ethyl Benzene	2.045	1.997	2.3#	92	0.00
68 T	m/p-Xylenes	0.763	0.753	1.3	92	0.00
69 T	o-Xylene	0.734	0.722	1.6	93	0.00
70 T	Styrene	1.240	1.244	-0.3	92	0.00
71 P	Bromoform	0.302	0.292	3.3	91	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	3.913	3.868	1.2	92	0.00
74 T	N-amyl acetate	1.486	1.492	-0.4	90	0.00
75 P	1,1,2,2-Tetrachloroethane	1.149	1.105	3.8	91	0.00
76 T	1,2,3-Trichloropropane	0.917	0.879	4.1	91	0.00
77 T	Bromobenzene	0.955	0.926	3.0	92	0.00
78 T	n-propylbenzene	4.673	4.612	1.3	93	0.00
79 T	2-Chlorotoluene	2.825	2.725	3.5	92	0.00
80 T	1,3,5-Trimethylbenzene	3.219	3.156	2.0	92	0.00
81 T	trans-1,4-Dichloro-2-butene	0.178	0.174	2.2	92	0.00
82 T	4-Chlorotoluene	3.330	3.189	4.2	92	0.00
83 T	tert-Butylbenzene	3.212	3.202	0.3	93	0.00
84 T	1,2,4-Trimethylbenzene	3.219	3.206	0.4	92	0.00
85 T	sec-Butylbenzene	3.981	3.942	1.0	93	0.00
86 T	p-Isopropyltoluene	3.369	3.324	1.3	93	0.00
87 T	1,3-Dichlorobenzene	1.825	1.750	4.1	92	0.00
88 T	1,4-Dichlorobenzene	1.877	1.755	6.5	93	0.00
89 T	n-Butylbenzene	3.133	3.105	0.9	94	0.00
90 T	Hexachloroethane	0.591	0.576	2.5	92	0.00
91 T	1,2-Dichlorobenzene	1.733	1.638	5.5	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.222	0.209	5.9	89	0.00
93 T	1,2,4-Trichlorobenzene	1.161	1.113	4.1	95	0.00
94 T	Hexachlorobutadiene	0.413	0.355	14.0	92	0.00
95 T	Naphthalene	3.319	3.254	2.0	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1.095	1.047	4.4	93	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX081525\
 Data File : VX047357.D
 Acq On : 15 Aug 2025 13:11
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081525

Quant Time: Aug 18 04:22:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 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	105	-0.01
2 T	Dichlorodifluoromethane	50.000	51.981	-4.0	95	0.00
3 P	Chloromethane	50.000	49.973	0.1	97	0.00
4 C	Vinyl Chloride	50.000	50.822	-1.6#	96	0.00
5 T	Bromomethane	50.000	56.066	-12.1	102	0.00
6 T	Chloroethane	50.000	49.421	1.2	99	0.00
7 T	Trichlorofluoromethane	50.000	49.898	0.2	94	0.00
8 T	Diethyl Ether	50.000	50.132	-0.3	95	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	50.154	-0.3	93	0.00
10 T	Methyl Iodide	50.000	44.887	10.2	86	0.00
11 T	Tert butyl alcohol	250.000	229.494	8.2	86	0.00
12 CM	1,1-Dichloroethene	50.000	50.316	-0.6#	96	0.00
13 T	Acrolein	250.000	207.171	17.1	85	0.00
14 T	Allyl chloride	50.000	49.503	1.0	94	0.00
15 T	Acrylonitrile	250.000	250.094	-0.0	91	0.00
16 T	Acetone	250.000	246.195	1.5	97	0.00
17 T	Carbon Disulfide	50.000	48.034	3.9	96	0.00
18 T	Methyl Acetate	50.000	47.774	4.5	89	0.00
19 T	Methyl tert-butyl Ether	50.000	50.072	-0.1	93	0.00
20 T	Methylene Chloride	50.000	49.724	0.6	96	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.352	1.3	96	0.00
22 T	Diisopropyl ether	50.000	51.358	-2.7	95	0.00
23 T	Vinyl Acetate	250.000	254.755	-1.9	93	0.00
24 P	1,1-Dichloroethane	50.000	49.586	0.8	94	0.00
25 T	2-Butanone	250.000	244.186	2.3	91	0.00
26 T	2,2-Dichloropropane	50.000	50.188	-0.4	96	-0.01
27 T	cis-1,2-Dichloroethene	50.000	49.507	1.0	96	0.00
28 T	Bromochloromethane	50.000	57.153	-14.3	113	0.00
29 T	Tetrahydrofuran	250.000	240.659	3.7	92	0.00
30 C	Chloroform	50.000	49.055	1.9#	94	0.00
31 T	Cyclohexane	50.000	47.066	5.9	92	0.00
32 T	1,1,1-Trichloroethane	50.000	49.018	2.0	92	0.00
33 S	1,2-Dichloroethane-d4	50.000	54.750	-9.5	115	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	55.488	-11.0	115	0.00
36 T	1,1-Dichloropropene	50.000	47.627	4.7	91	0.00
37 T	Ethyl Acetate	50.000	47.213	5.6	90	0.00
38 T	Carbon Tetrachloride	50.000	47.393	5.2	92	0.00
39 T	Methylcyclohexane	50.000	47.074	5.9	91	-0.01
40 TM	Benzene	50.000	48.672	2.7	92	0.00
41 T	Methacrylonitrile	50.000	48.768	2.5	89	0.00
42 TM	1,2-Dichloroethane	50.000	48.708	2.6	93	-0.01
43 T	Isopropyl Acetate	50.000	48.740	2.5	90	0.00
44 TM	Trichloroethene	50.000	47.974	4.1	92	0.00
45 C	1,2-Dichloropropane	50.000	48.760	2.5#	94	0.00
46 T	Dibromomethane	50.000	48.500	3.0	94	0.00
47 T	Bromodichloromethane	50.000	48.121	3.8	92	0.00
48 T	Methyl methacrylate	50.000	48.604	2.8	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX081525\
 Data File : VX047357.D
 Acq On : 15 Aug 2025 13:11
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX081525

Quant Time: Aug 18 04:22:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 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	890.740	10.9	81	0.00
50 S	Toluene-d8	50.000	54.448	-8.9	114	0.00
51 T	4-Methyl-2-Pentanone	250.000	243.797	2.5	89	0.00
52 CM	Toluene	50.000	48.706	2.6#	92	0.00
53 T	t-1,3-Dichloropropene	50.000	50.716	-1.4	92	0.00
54 T	cis-1,3-Dichloropropene	50.000	49.956	0.1	94	0.00
55 T	1,1,2-Trichloroethane	50.000	48.385	3.2	93	0.00
56 T	Ethyl methacrylate	50.000	50.140	-0.3	91	0.00
57 T	1,3-Dichloropropane	50.000	48.290	3.4	93	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	222.770	10.9	86	0.00
59 T	2-Hexanone	250.000	242.481	3.0	90	0.00
60 T	Dibromochloromethane	50.000	48.122	3.8	93	0.00
61 T	1,2-Dibromoethane	50.000	47.971	4.1	92	0.00
62 S	4-Bromofluorobenzene	50.000	54.723	-9.4	115	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64 T	Tetrachloroethene	50.000	47.871	4.3	91	0.00
65 PM	Chlorobenzene	50.000	47.724	4.6	92	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.099	3.8	91	0.00
67 C	Ethyl Benzene	50.000	48.829	2.3#	92	0.00
68 T	m/p-Xylenes	100.000	98.705	1.3	92	0.00
69 T	o-Xylene	50.000	49.223	1.6	93	0.00
70 T	Styrene	50.000	50.176	-0.4	92	0.00
71 P	Bromoform	50.000	48.446	3.1	91	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	49.432	1.1	92	0.00
74 T	N-amyl acetate	50.000	50.217	-0.4	90	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.087	3.8	91	0.00
76 T	1,2,3-Trichloropropane	50.000	47.911	4.2	91	0.00
77 T	Bromobenzene	50.000	48.465	3.1	92	0.00
78 T	n-propylbenzene	50.000	49.351	1.3	93	0.00
79 T	2-Chlorotoluene	50.000	48.241	3.5	92	0.00
80 T	1,3,5-Trimethylbenzene	50.000	49.013	2.0	92	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	42.686	14.6	92	0.00
82 T	4-Chlorotoluene	50.000	47.889	4.2	92	0.00
83 T	tert-Butylbenzene	50.000	49.841	0.3	93	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.796	0.4	92	0.00
85 T	sec-Butylbenzene	50.000	49.507	1.0	93	0.00
86 T	p-Isopropyltoluene	50.000	49.332	1.3	93	0.00
87 T	1,3-Dichlorobenzene	50.000	47.926	4.1	92	0.00
88 T	1,4-Dichlorobenzene	50.000	46.752	6.5	93	0.00
89 T	n-Butylbenzene	50.000	49.556	0.9	94	0.00
90 T	Hexachloroethane	50.000	48.749	2.5	92	0.00
91 T	1,2-Dichlorobenzene	50.000	47.283	5.4	92	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	47.135	5.7	89	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.926	4.1	95	0.00
94 T	Hexachlorobutadiene	50.000	42.967	14.1	92	0.00
95 T	Naphthalene	50.000	49.026	1.9	90	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.822	4.4	93	0.00

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



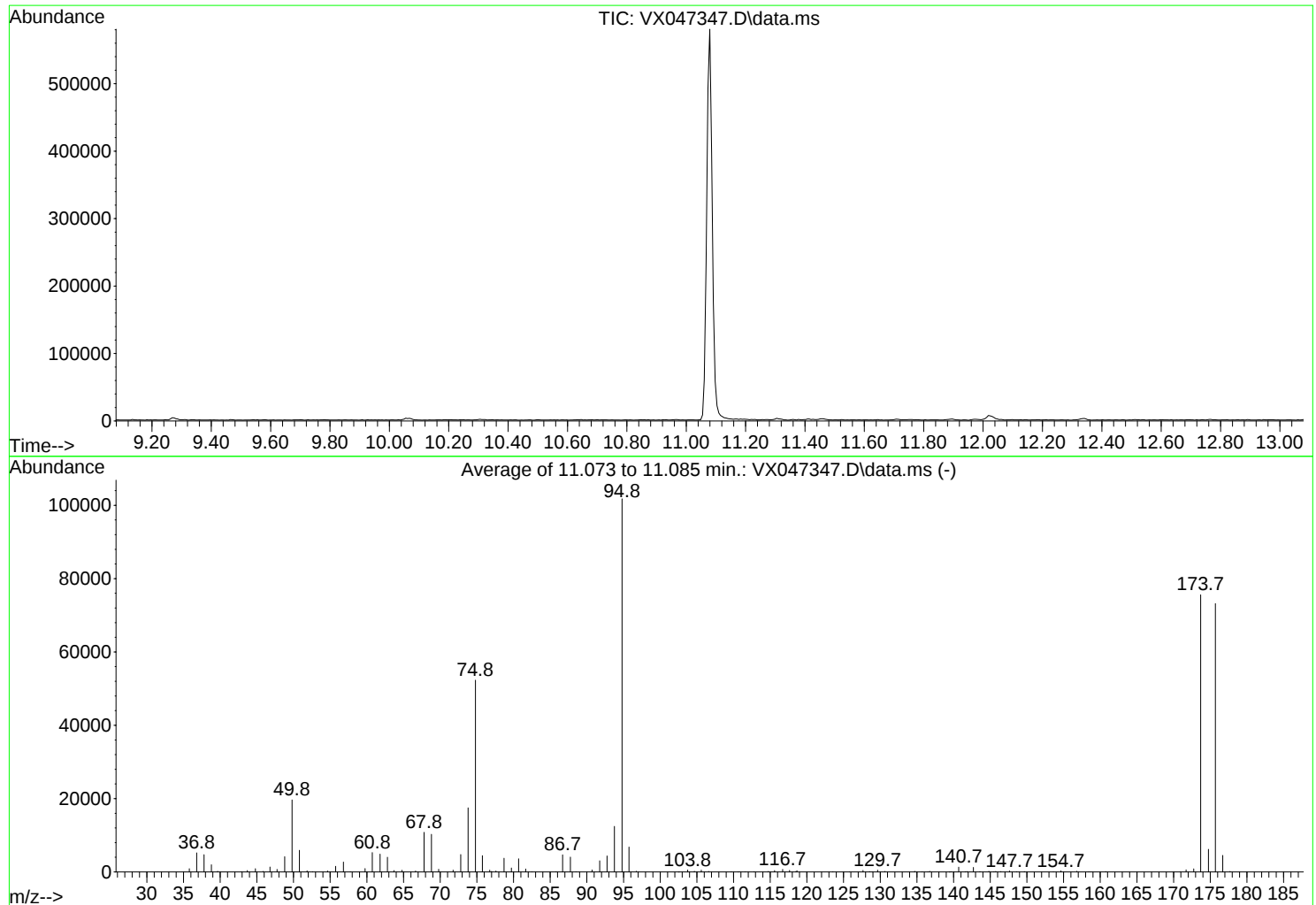
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047347.D
Acq On : 15 Aug 2025 08:28
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\82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 2025



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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	19650	PASS
75	95	30	60	51.4	52320	PASS
95	95	100	100	100.0	101773	PASS
96	95	5	9	6.7	6795	PASS
173	174	0.00	2	1.1	867	PASS
174	95	50	100	74.3	75603	PASS
175	174	5	9	8.2	6186	PASS
176	174	95	101	96.8	73213	PASS
177	176	5	9	6.2	4510	PASS

Report of Analysis

Client:	ENTACT			Date Collected:			
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:			
Client Sample ID:	VX0815WBL01			SDG No.:	Q2837		
Lab Sample ID:	VX0815WBL01			Matrix:	Water		
Analytical Method:	8260D			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:	uL			Test:	VOCMS Group4		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047358.D	1	08/15/25 13:39	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
1330-20-7	Total Xylenes	0.36	U	0.36	3.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		70 (75) - 130 (124)	109%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.2		70 (77) - 130 (121)	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	213000	5.562			
540-36-3	1,4-Difluorobenzene	414000	6.763			
3114-55-4	Chlorobenzene-d5	397000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.018			

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\VX081525\
Data File : VX047358.D
Acq On : 15 Aug 2025 13:39
Operator : JC/MD
Sample : VX0815WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBL01

Quant Time: Aug 18 04:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	213035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	413649	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	396719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	194794	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	170884	57.315	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.620%
35) Dibromofluoromethane	5.391	113	145936	54.360	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.720%
50) Toluene-d8	8.647	98	494208	51.504	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.000%
62) 4-Bromofluorobenzene	11.079	95	202494	57.186	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.380%

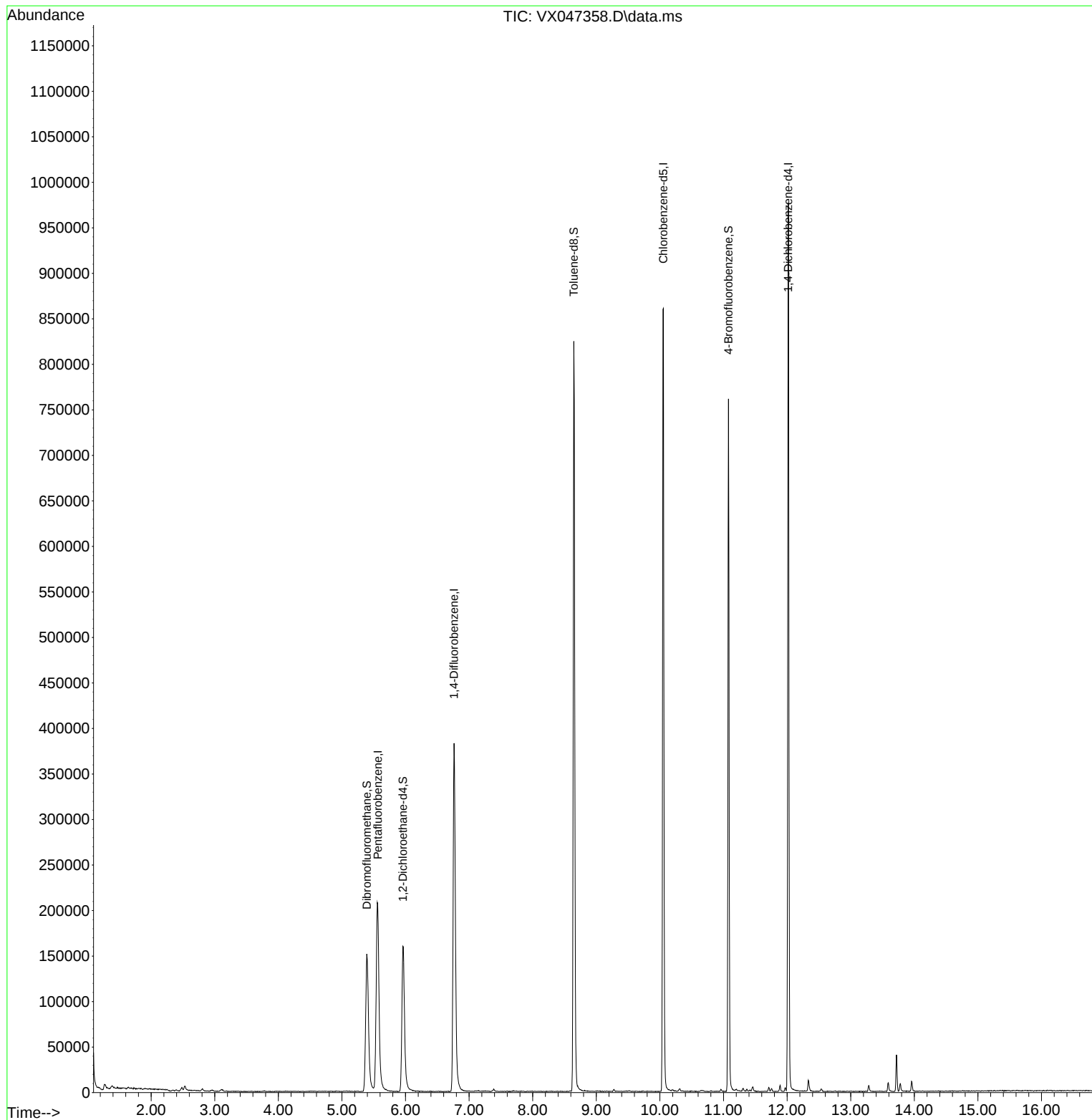
Target Compounds	Qvalue

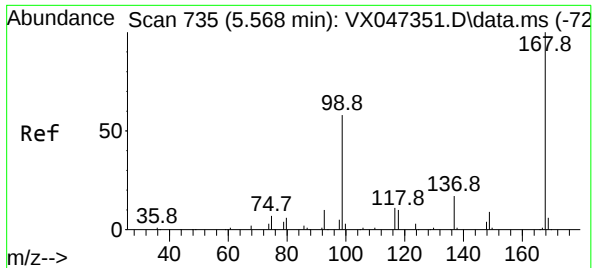
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047358.D
Acq On : 15 Aug 2025 13:39
Operator : JC/MD
Sample : VX0815WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBL01

Quant Time: Aug 18 04:31:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

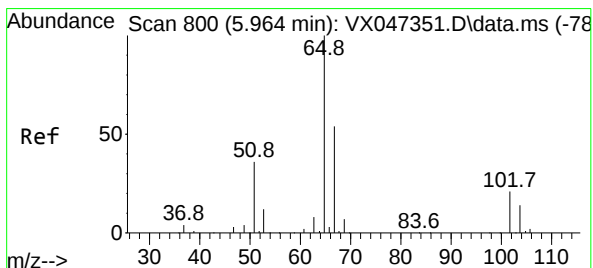
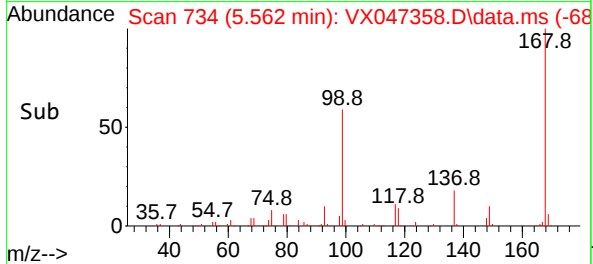
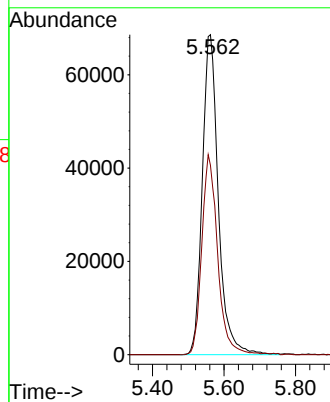
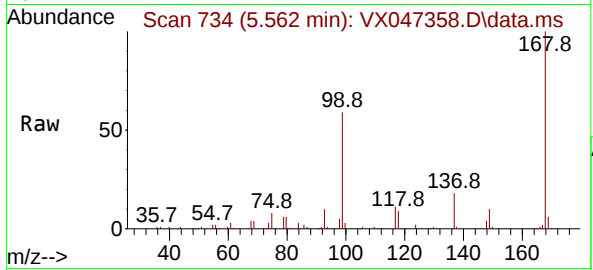




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX047358.D
Acq: 15 Aug 2025 13:39

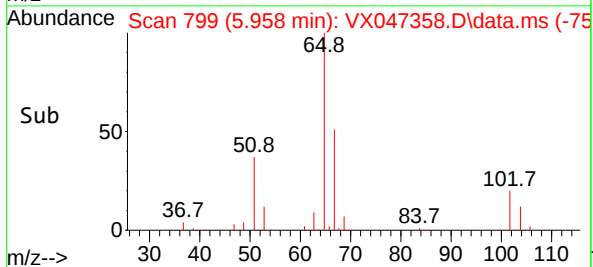
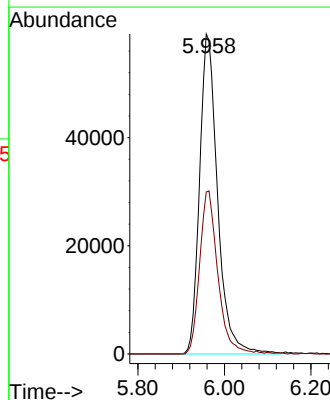
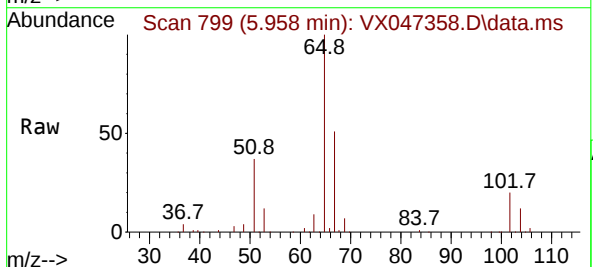
Instrument :
MSVOA_X
ClientSampleId :
VX0815WBL01

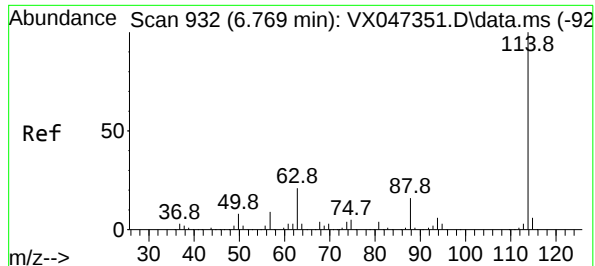
Tgt Ion:168 Resp: 213035
Ion Ratio Lower Upper
168 100
99 59.2 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 57.315 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX047358.D
Acq: 15 Aug 2025 13:39

Tgt Ion: 65 Resp: 170884
Ion Ratio Lower Upper
65 100
67 51.4 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX047358.D

Acq: 15 Aug 2025 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0815WBL01

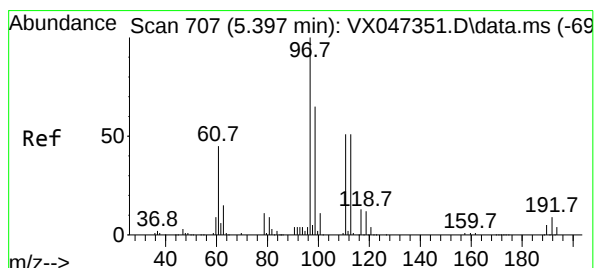
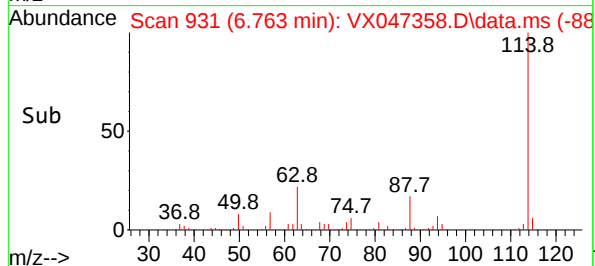
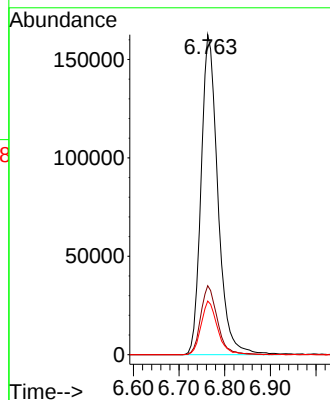
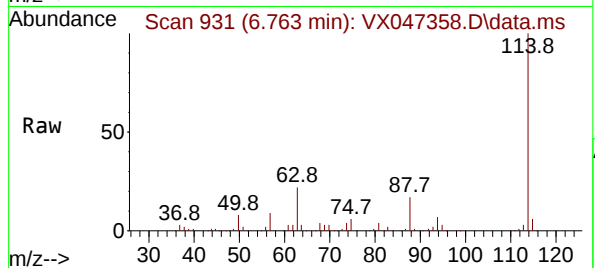
Tgt Ion:114 Resp: 413649

Ion Ratio Lower Upper

114 100

63 24.6 0.0 42.4

88 16.8 0.0 33.0



#35

Dibromofluoromethane

Concen: 54.360 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX047358.D

Acq: 15 Aug 2025 13:39

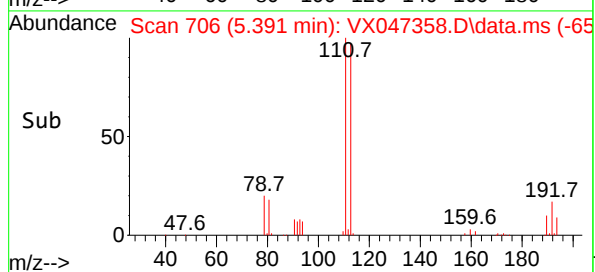
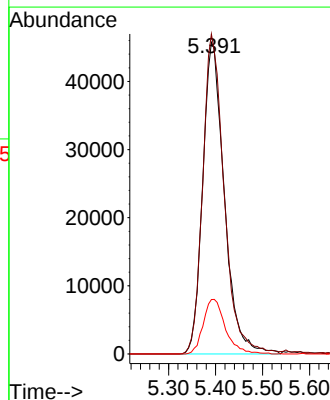
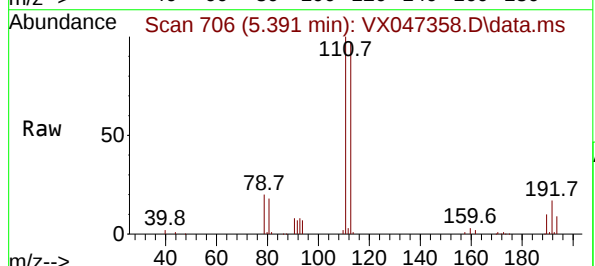
Tgt Ion:113 Resp: 145936

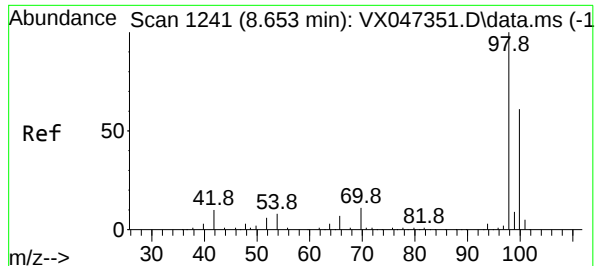
Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.2

192 18.0 14.1 21.1





#50

Toluene-d8

Concen: 51.504 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX047358.D

Acq: 15 Aug 2025 13:39

Instrument :

MSVOA_X

ClientSampleId :

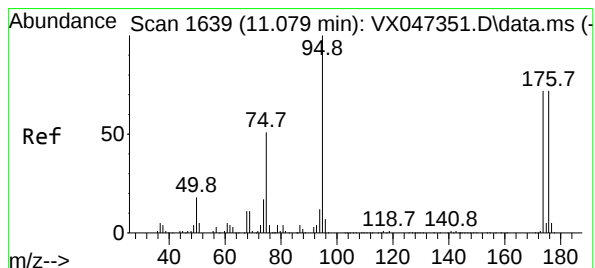
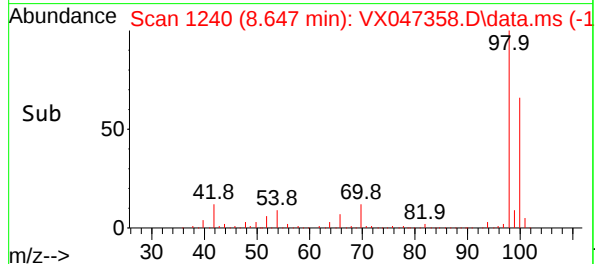
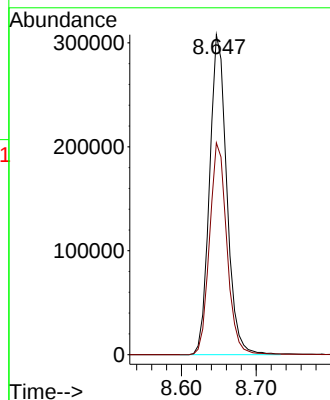
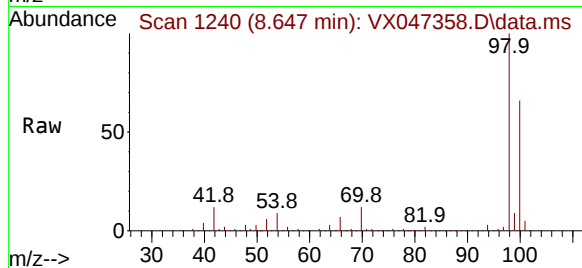
VX0815WBL01

Tgt Ion: 98 Resp: 494208

Ion Ratio Lower Upper

98 100

100 66.7 53.9 80.9



#62

4-Bromofluorobenzene

Concen: 57.186 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX047358.D

Acq: 15 Aug 2025 13:39

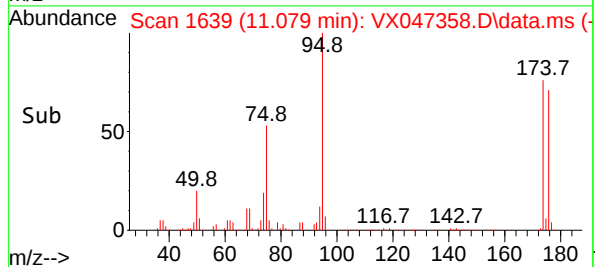
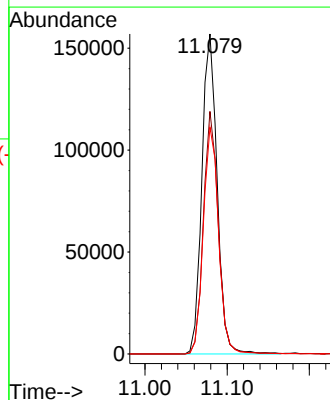
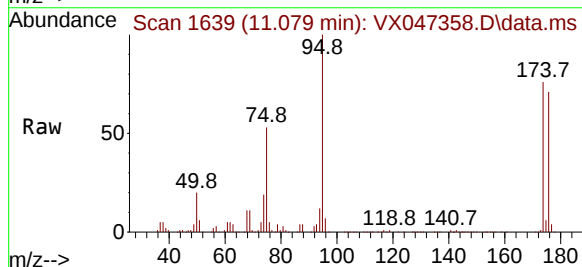
Tgt Ion: 95 Resp: 202494

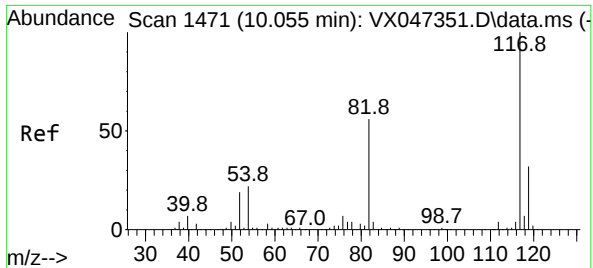
Ion Ratio Lower Upper

95 100

174 74.2 0.0 148.0

176 71.1 0.0 145.4

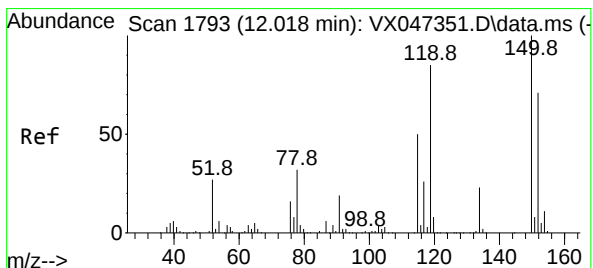
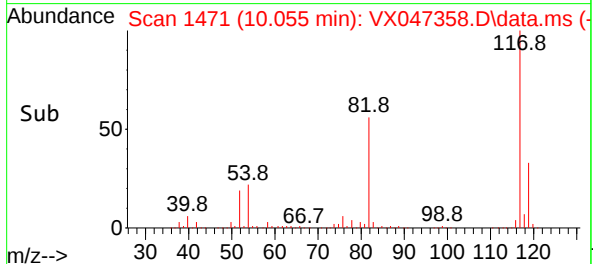
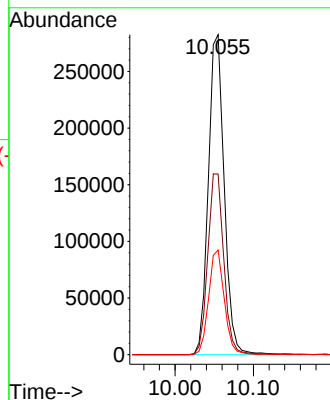
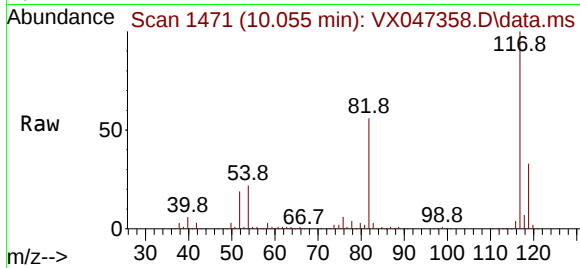




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047358.D
Acq: 15 Aug 2025 13:39

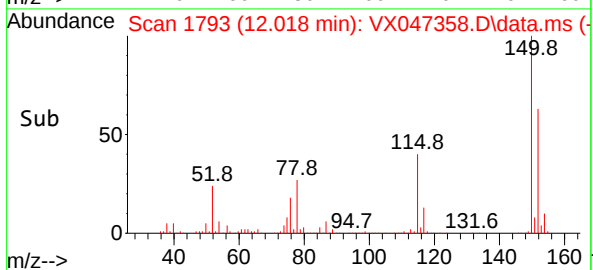
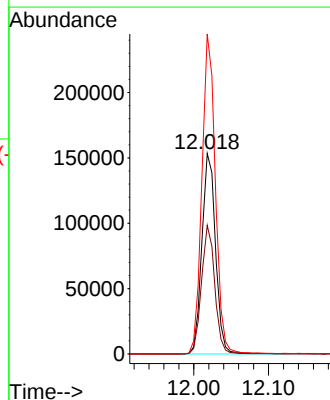
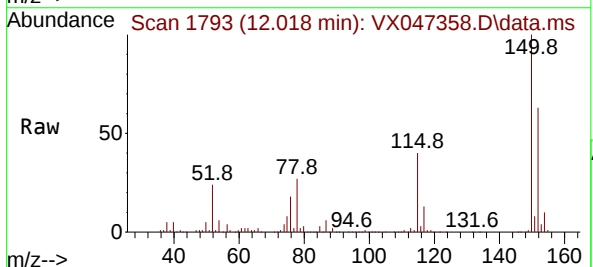
Instrument :
MSVOA_X
ClientSampleId :
VX0815WBL01

Tgt Ion:117 Resp: 396719
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 32.7 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047358.D
Acq: 15 Aug 2025 13:39

Tgt Ion:152 Resp: 194794
Ion Ratio Lower Upper
152 100
115 62.6 44.6 133.8
150 157.1 0.0 349.8



Report of Analysis

Client:	ENTACT			Date Collected:			
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:			
Client Sample ID:	VX0815WBS01			SDG No.:	Q2837		
Lab Sample ID:	VX0815WBS01			Matrix:	Water		
Analytical Method:	8260D			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:	uL			Test:	VOCMS Group4		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047360.D	1	08/15/25 14:21	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	17.1		0.16	1.00	ug/L
56-23-5	Carbon Tetrachloride	16.8		0.25	1.00	ug/L
67-66-3	Chloroform	17.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	16.8		0.20	1.00	ug/L
71-43-2	Benzene	17.3		0.15	1.00	ug/L
108-88-3	Toluene	17.6		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	1.00	ug/L
100-41-4	Ethyl Benzene	17.1		0.13	1.00	ug/L
1330-20-7	Total Xylenes	51.8		0.36	3.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251000	5.562			
540-36-3	1,4-Difluorobenzene	425000	6.769			
3114-55-4	Chlorobenzene-d5	386000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.018			

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\VX081525\
 Data File : VX047360.D
 Acq On : 15 Aug 2025 14:21
 Operator : JC/MD
 Sample : VX0815WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:32:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	251230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	424536	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	385995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	195233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	177417	50.459	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.920%			
35) Dibromofluoromethane	5.397	113	138719	50.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.700%			
50) Toluene-d8	8.653	98	500139	50.785	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.580%			
62) 4-Bromofluorobenzene	11.079	95	189520	52.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.184	85	54581	17.043	ug/l	99
3) Chloromethane	1.312	50	46226	16.045	ug/l	99
4) Vinyl Chloride	1.392	62	59332	16.408	ug/l	99
5) Bromomethane	1.629	94	26329	18.026	ug/l	98
6) Chloroethane	1.709	64	38017	17.183	ug/l	92
7) Trichlorofluoromethane	1.910	101	88310	16.510	ug/l	98
8) Diethyl Ether	2.148	74	30892	16.402	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	53083	17.108	ug/l	100
10) Methyl Iodide	2.471	142	73049	13.738	ug/l	99
11) Tert butyl alcohol	2.965	59	26058	85.191	ug/l	99
12) 1,1-Dichloroethene	2.343	96	53241	16.831	ug/l	91
13) Acrolein	2.251	56	55282	85.617	ug/l	98
14) Allyl chloride	2.684	41	87368	15.902	ug/l	99
15) Acrylonitrile	3.086	53	128616	87.018	ug/l	99
16) Acetone	2.391	43	128699	97.380	ug/l	98
17) Carbon Disulfide	2.532	76	153226	16.053	ug/l	100
18) Methyl Acetate	2.715	43	60661	17.712	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	164476	17.092	ug/l	99
20) Methylene Chloride	2.806	84	58275	16.652	ug/l	96
21) trans-1,2-Dichloroethene	3.111	96	56539	16.841	ug/l	96
22) Diisopropyl ether	3.775	45	187827	17.295	ug/l	95
23) Vinyl Acetate	3.733	43	767557	86.230	ug/l	99
24) 1,1-Dichloroethane	3.629	63	102244	16.657	ug/l	96
25) 2-Butanone	4.574	43	161669	93.402	ug/l	95
26) 2,2-Dichloropropane	4.489	77	78586	16.962	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	64155	16.407	ug/l	99
28) Bromochloromethane	4.915	49	51861	20.303	ug/l	100
29) Tetrahydrofuran	5.031	42	98076	87.666	ug/l	97
30) Chloroform	5.110	83	107665	17.186	ug/l	97
31) Cyclohexane	5.482	56	92586	16.362	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	90406	16.766	ug/l	99
36) 1,1-Dichloropropene	5.708	75	72437	16.654	ug/l	98
37) Ethyl Acetate	4.732	43	73945	16.376	ug/l	98
38) Carbon Tetrachloride	5.696	117	79632	16.754	ug/l	93
39) Methylcyclohexane	7.391	83	91461	16.858	ug/l	99
40) Benzene	6.049	78	225273	17.304	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047360.D
 Acq On : 15 Aug 2025 14:21
 Operator : JC/MD
 Sample : VX0815WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:32:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	34006	17.859	ug/l	96
42) 1,2-Dichloroethane	6.098	62	81200	17.609	ug/l	100
43) Isopropyl Acetate	6.348	43	112794	17.388	ug/l	99
44) Trichloroethene	7.135	130	57113	17.133	ug/l	92
45) 1,2-Dichloropropane	7.433	63	55964	17.159	ug/l	97
46) Dibromomethane	7.586	93	40428	17.074	ug/l	99
47) Bromodichloromethane	7.823	83	84446	17.204	ug/l	99
48) Methyl methacrylate	7.695	41	57232	16.998	ug/l	98
49) 1,4-Dioxane	7.683	88	10978m	335.393	ug/l	
51) 4-Methyl-2-Pentanone	8.573	43	343280	91.962	ug/l	97
52) Toluene	8.720	92	141973	17.648	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	72258	16.867	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	83395	17.198	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	53981	17.674	ug/l	98
56) Ethyl methacrylate	9.116	69	78496	17.431	ug/l	99
57) 1,3-Dichloropropane	9.311	76	92173	17.710	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	173530	86.358	ug/l	99
59) 2-Hexanone	9.433	43	238313	92.295	ug/l	99
60) Dibromochloromethane	9.518	129	61652	16.985	ug/l	100
61) 1,2-Dibromoethane	9.610	107	55605	17.655	ug/l	99
64) Tetrachloroethene	9.274	164	47199	16.905	ug/l	99
65) Chlorobenzene	10.079	112	155621	16.966	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	51630	16.651	ug/l	99
67) Ethyl Benzene	10.195	91	270213	17.116	ug/l	97
68) m/p-Xylenes	10.299	106	204503	34.739	ug/l	99
69) o-Xylene	10.640	106	97111	17.142	ug/l	99
70) Styrene	10.652	104	170364	17.798	ug/l	99
71) Bromoform	10.798	173	39471	16.944	ug/l #	99
73) Isopropylbenzene	10.963	105	259926	17.013	ug/l	99
74) N-amyl acetate	10.841	43	98400	16.961	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	78404	17.479	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	64644m	18.053	ug/l	
77) Bromobenzene	11.195	156	62888	16.857	ug/l	99
78) n-propylbenzene	11.304	91	320464	17.563	ug/l	100
79) 2-Chlorotoluene	11.359	91	186268	16.887	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	213875	17.014	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8554	16.615	ug/l	97
82) 4-Chlorotoluene	11.451	91	218950	16.839	ug/l	99
83) tert-Butylbenzene	11.713	119	214431	17.098	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	219724	17.479	ug/l	99
85) sec-Butylbenzene	11.890	105	269498	17.337	ug/l	100
86) p-Isopropyltoluene	12.006	119	227642	17.306	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	121339	17.025	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	123016	16.782	ug/l	98
89) n-Butylbenzene	12.329	91	211119	17.256	ug/l	99
90) Hexachloroethane	12.536	117	38107	16.514	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	114942	16.991	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	14641	16.877	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	74979	16.533	ug/l	100
94) Hexachlorobutadiene	13.719	225	25887	16.036	ug/l	99
95) Naphthalene	13.774	128	217286	16.766	ug/l	99
96) 1,2,3-Trichlorobenzene	13.956	180	71309	16.681	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047360.D
Acq On : 15 Aug 2025 14:21
Operator : JC/MD
Sample : VX0815WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:32:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

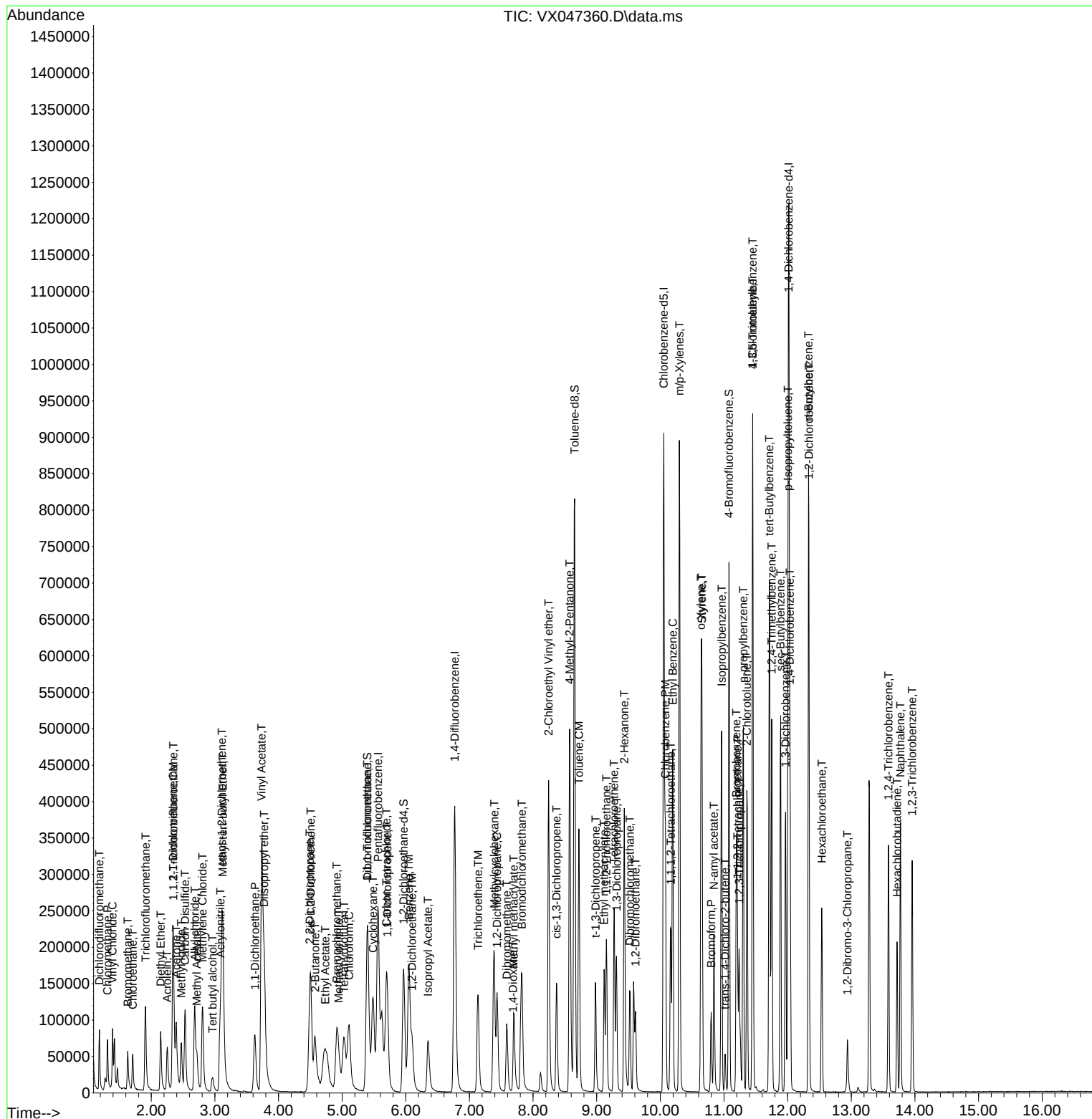
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047360.D
Acq On    : 15 Aug 2025  14:21
Operator  : JC/MD
Sample    : VX0815WBS01
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 16   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:32:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	VX0815WBSD01			SDG No.:	Q2837
Lab Sample ID:	VX0815WBSD01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group4
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047361.D	1	08/15/25 14:49	VX081525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	1.00	ug/L
56-23-5	Carbon Tetrachloride	16.5		0.25	1.00	ug/L
67-66-3	Chloroform	17.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.2		0.20	1.00	ug/L
71-43-2	Benzene	17.3		0.15	1.00	ug/L
108-88-3	Toluene	17.6		0.14	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	1.00	ug/L
100-41-4	Ethyl Benzene	17.0		0.13	1.00	ug/L
1330-20-7	Total Xylenes	51.7		0.36	3.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	233000	5.562			
540-36-3	1,4-Difluorobenzene	402000	6.763			
3114-55-4	Chlorobenzene-d5	367000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	185000	12.018			

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 OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047361.D
 Acq On : 15 Aug 2025 14:49
 Operator : JC/MD
 Sample : VX0815WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:33:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	232894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	402024	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	184649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	170346	52.263	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.520%			
35) Dibromofluoromethane	5.391	113	131425	50.370	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.740%			
50) Toluene-d8	8.647	98	469487	50.342	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.680%			
62) 4-Bromofluorobenzene	11.079	95	183400	53.292	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	50888	17.141	ug/l	97
3) Chloromethane	1.313	50	43382	16.243	ug/l	97
4) Vinyl Chloride	1.392	62	55322	16.503	ug/l	98
5) Bromomethane	1.630	94	26040	19.232	ug/l	93
6) Chloroethane	1.709	64	33342	16.256	ug/l	95
7) Trichlorofluoromethane	1.904	101	79701	16.074	ug/l	95
8) Diethyl Ether	2.148	74	30785	17.632	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	49283	17.134	ug/l	99
10) Methyl Iodide	2.471	142	71790	14.564	ug/l	95
11) Tert butyl alcohol	2.959	59	25808	91.017	ug/l	99
12) 1,1-Dichloroethene	2.337	96	47841	16.315	ug/l	97
13) Acrolein	2.252	56	50572	84.489	ug/l	97
14) Allyl chloride	2.678	41	84146	16.522	ug/l	99
15) Acrylonitrile	3.081	53	126939	92.645	ug/l	96
16) Acetone	2.392	43	111694	91.167	ug/l	97
17) Carbon Disulfide	2.526	76	143749	16.245	ug/l	98
18) Methyl Acetate	2.715	43	57010	17.957	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	160149	17.953	ug/l	98
20) Methylene Chloride	2.800	84	57211	17.635	ug/l	93
21) trans-1,2-Dichloroethene	3.105	96	52038	16.720	ug/l	97
22) Diisopropyl ether	3.770	45	182635	18.141	ug/l	93
23) Vinyl Acetate	3.733	43	752562	91.201	ug/l	100
24) 1,1-Dichloroethane	3.617	63	98191	17.256	ug/l	100
25) 2-Butanone	4.568	43	148012	92.245	ug/l	99
26) 2,2-Dichloropropane	4.489	77	73104	17.021	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	61348	16.924	ug/l	99
28) Bromochloromethane	4.910	49	50696	21.410	ug/l	100
29) Tetrahydrofuran	5.025	42	91375	88.107	ug/l	99
30) Chloroform	5.105	83	103480	17.819	ug/l	98
31) Cyclohexane	5.483	56	86855	16.558	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	85964	17.198	ug/l	98
36) 1,1-Dichloropropene	5.702	75	67131	16.299	ug/l	99
37) Ethyl Acetate	4.721	43	70470	16.481	ug/l	99
38) Carbon Tetrachloride	5.690	117	74361	16.521	ug/l	95
39) Methylcyclohexane	7.385	83	85698	16.681	ug/l	96
40) Benzene	6.050	78	213392	17.309	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
 Data File : VX047361.D
 Acq On : 15 Aug 2025 14:49
 Operator : JC/MD
 Sample : VX0815WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0815WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:33:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	32317	17.923	ug/l	96
42) 1,2-Dichloroethane	6.092	62	77618	17.775	ug/l	99
43) Isopropyl Acetate	6.348	43	110904	18.054	ug/l	99
44) Trichloroethene	7.129	130	52402	16.600	ug/l	99
45) 1,2-Dichloropropane	7.434	63	52644	17.045	ug/l	98
46) Dibromomethane	7.580	93	40549	18.084	ug/l	97
47) Bromodichloromethane	7.824	83	81703	17.577	ug/l	94
48) Methyl methacrylate	7.696	41	57122	17.915	ug/l	98
49) 1,4-Dioxane	7.683	88	10283	331.751	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	331605	93.809	ug/l	98
52) Toluene	8.720	92	133864	17.572	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	72094	17.771	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	81302	17.705	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	52500	18.151	ug/l	99
56) Ethyl methacrylate	9.116	69	74839	17.550	ug/l	97
57) 1,3-Dichloropropane	9.305	76	90084	18.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	170482	89.279	ug/l	99
59) 2-Hexanone	9.433	43	229960	94.047	ug/l	98
60) Dibromochloromethane	9.518	129	59757	17.385	ug/l	100
61) 1,2-Dibromoethane	9.610	107	53226	17.846	ug/l	98
64) Tetrachloroethene	9.275	164	44808	16.897	ug/l	98
65) Chlorobenzene	10.079	112	149103	17.114	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	50188	17.041	ug/l	99
67) Ethyl Benzene	10.195	91	254295	16.958	ug/l	100
68) m/p-Xylenes	10.299	106	193092	34.534	ug/l	98
69) o-Xylene	10.640	106	92460	17.183	ug/l	99
70) Styrene	10.652	104	159574	17.552	ug/l	99
71) Bromoform	10.799	173	38932	17.596	ug/l #	100
73) Isopropylbenzene	10.963	105	243208	16.831	ug/l	99
74) N-amyl acetate	10.841	43	96485	17.584	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	76661	18.070	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	63537m	18.761	ug/l	
77) Bromobenzene	11.195	156	61015	17.292	ug/l	99
78) n-propylbenzene	11.299	91	294205	17.048	ug/l	99
79) 2-Chlorotoluene	11.360	91	178579	17.118	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	207123	17.421	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8143	16.672	ug/l	87
82) 4-Chlorotoluene	11.451	91	211939	17.234	ug/l	100
83) tert-Butylbenzene	11.713	119	206952	17.448	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	207859	17.483	ug/l	99
85) sec-Butylbenzene	11.890	105	255532	17.381	ug/l	99
86) p-Isopropyltoluene	12.006	119	214649	17.254	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	115154	17.083	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	118203	17.050	ug/l	99
89) n-Butylbenzene	12.329	91	200086	17.292	ug/l	98
90) Hexachloroethane	12.536	117	35990	16.490	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	111022	17.352	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14353	17.494	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	73944	17.239	ug/l	96
94) Hexachlorobutadiene	13.719	225	25418	16.648	ug/l	98
95) Naphthalene	13.774	128	215065	17.545	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	69392	17.163	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047361.D
Acq On : 15 Aug 2025 14:49
Operator : JC/MD
Sample : VX0815WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:33:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

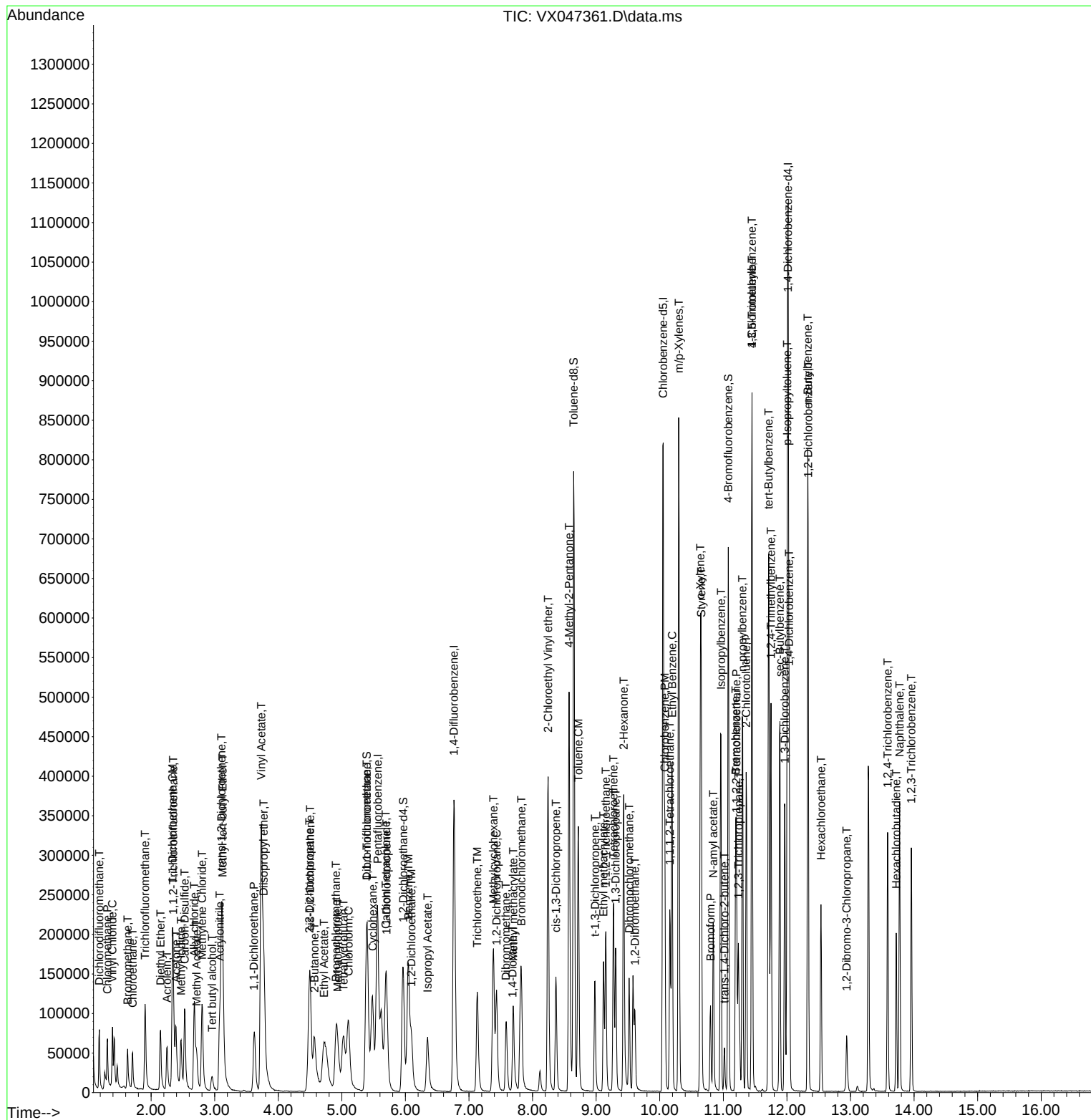
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\  
Data File : VX047361.D  
Acq On    : 15 Aug 2025  14:49  
Operator  : JC/MD  
Sample    : VX0815WBSD01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 17   Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VX0815WBSD01

Manual Integrations

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:33:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VX047349.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDIC005	VX047349.D	1,4-Dioxane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDIC005	VX047349.D	Tetrahydrofuran	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDIC020	VX047350.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDIC020	VX047350.D	1,4-Dioxane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICCC050	VX047351.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:42:59 AM	MMDadoda	8/19/2025 1:41:07 AM	Peak Integrated by Software
VSTDIC100	VX047352.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:03 AM	MMDadoda	8/19/2025 1:41:08 AM	Peak Integrated by Software
VSTDIC150	VX047353.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:07 AM	MMDadoda	8/19/2025 1:41:10 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	1,4-Dichlorobenzene	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	1,4-Dioxane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	Allyl chloride	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	Ethyl Acetate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC001	VX047356.D	Methacrylonitrile	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	Methyl methacrylate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDIC001	VX047356.D	Tetrahydrofuran	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,4-Dioxane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VX0815WBS01	VX047360.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:29 AM	MMDadoda	8/19/2025 1:41:28 AM	Peak Integrated by Software
VX0815WBS01	VX047360.D	1,4-Dioxane	JOHN	8/18/2025 8:43:29 AM	MMDadoda	8/19/2025 1:41:28 AM	Peak Integrated by Software
VX0815WBSD01	VX047361.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:33 AM	MMDadoda	8/19/2025 1:41:29 AM	Peak Integrated by Software
Q2837-01	VX047368.D	2-Butanone	JOHN	8/18/2025 8:43:38 AM	MMDadoda	8/19/2025 1:41:31 AM	Peak Integrated by Software
VSTDCCC050	VX047369.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:44 AM	MMDadoda	8/19/2025 1:41:35 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM
Supervise By	Maresh Dadoda	Supervise On	8/19/2025 1:41:47 AM
SubDirectory	VX081525	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135148		
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158		
CCC	VP135152		
Internal Standard/PEM			
ICV/I.BLK	VP135159		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047347.D	15 Aug 2025 08:28	JC/MD	Ok
2	VSTDIC001	VX047348.D	15 Aug 2025 09:18	JC/MD	Not Ok
3	VSTDIC005	VX047349.D	15 Aug 2025 09:40	JC/MD	Ok,M
4	VSTDIC020	VX047350.D	15 Aug 2025 10:01	JC/MD	Ok,M
5	VSTDIC050	VX047351.D	15 Aug 2025 10:22	JC/MD	Ok,M
6	VSTDIC100	VX047352.D	15 Aug 2025 10:43	JC/MD	Ok,M
7	VSTDIC150	VX047353.D	15 Aug 2025 11:05	JC/MD	Ok,M
8	IBLK	VX047354.D	15 Aug 2025 11:26	JC/MD	Ok
9	VSTDIC001	VX047355.D	15 Aug 2025 12:08	JC/MD	Not Ok
10	VSTDIC001	VX047356.D	15 Aug 2025 12:30	JC/MD	Ok,M
11	VSTDICV050	VX047357.D	15 Aug 2025 13:11	JC/MD	Ok,M
12	VX0815WBL01	VX047358.D	15 Aug 2025 13:39	JC/MD	Ok
13	VX0815MBL01	VX047359.D	15 Aug 2025 14:00	JC/MD	Ok
14	VX0815WBS01	VX047360.D	15 Aug 2025 14:21	JC/MD	Ok,M
15	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49	JC/MD	Ok,M
16	Q2880-01	VX047362.D	15 Aug 2025 15:10	JC/MD	Ok
17	Q2880-02	VX047363.D	15 Aug 2025 15:32	JC/MD	Ok
18	Q2880-03	VX047364.D	15 Aug 2025 15:53	JC/MD	Ok
19	Q2880-04	VX047365.D	15 Aug 2025 16:15	JC/MD	Ok
20	Q2886-01	VX047366.D	15 Aug 2025 16:36	JC/MD	Ok
21	Q2886-02	VX047367.D	15 Aug 2025 16:58	JC/MD	ReRun

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM
SubDirectory	VX081525	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135148		
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158		
CCC	VP135152		
Internal Standard/PEM			
ICV/I.BLK	VP135159		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2837-01	VX047368.D	15 Aug 2025 17:19	JC/MD	Ok,M
23	VSTDCCC050	VX047369.D	15 Aug 2025 17:41	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM
Supervise By	Maresh Dadoda	Supervise On	8/19/2025 1:41:47 AM
SubDirectory	VX081525	HP Acquire Method	HP Processing Method 82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047347.D	15 Aug 2025 08:28		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX047348.D	15 Aug 2025 09:18	Not used	JC/MD	Not Ok
3	VSTDIC005	VSTDIC005	VX047349.D	15 Aug 2025 09:40	LR-58,81	JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX047350.D	15 Aug 2025 10:01		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX047351.D	15 Aug 2025 10:22		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX047352.D	15 Aug 2025 10:43		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX047353.D	15 Aug 2025 11:05		JC/MD	Ok,M
8	IBLK	IBLK	VX047354.D	15 Aug 2025 11:26		JC/MD	Ok
9	VSTDIC001	VSTDIC001	VX047355.D	15 Aug 2025 12:08	Not used	JC/MD	Not Ok
10	VSTDIC001	VSTDIC001	VX047356.D	15 Aug 2025 12:30		JC/MD	Ok,M
11	VSTDICV050	ICVVX081525	VX047357.D	15 Aug 2025 13:11		JC/MD	Ok,M
12	VX0815WBL01	VX0815WBL01	VX047358.D	15 Aug 2025 13:39		JC/MD	Ok
13	VX0815MBL01	VX0815MBL01	VX047359.D	15 Aug 2025 14:00		JC/MD	Ok
14	VX0815WBS01	VX0815WBS01	VX047360.D	15 Aug 2025 14:21		JC/MD	Ok,M
15	VX0815WBSD01	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49		JC/MD	Ok,M
16	Q2880-01	STORAGE-BLANK-SO	VX047362.D	15 Aug 2025 15:10	vial A pH<2	JC/MD	Ok
17	Q2880-02	STORAGE-BLANK-WA	VX047363.D	15 Aug 2025 15:32	vial A pH<2	JC/MD	Ok
18	Q2880-03	STORAGE-BLANK-WA	VX047364.D	15 Aug 2025 15:53	vial A pH<2	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM
Supervise By	Maresh Dadoda	Supervise On	8/19/2025 1:41:47 AM
SubDirectory	VX081525	HP Acquire Method	HP Processing Method 82X081525W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP135148		
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158		
CCC	VP135152		
Internal Standard/PEM			
ICV/I.BLK	VP135159		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2880-04	STORAGE-BLANK-SAM	VX047365.D	15 Aug 2025 16:15	vial A pH<2	JC/MD	Ok
20	Q2886-01	BP-TT182D-TB-202508	VX047366.D	15 Aug 2025 16:36	vial A pH<2	JC/MD	Ok
21	Q2886-02	BP-TT182D-GW-202508	VX047367.D	15 Aug 2025 16:58	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2837-01	TW-WTS-13	VX047368.D	15 Aug 2025 17:19	vial B pH<2	JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX047369.D	15 Aug 2025 17:41		JC/MD	Ok,M

M : Manual Integration



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:

Q 2837

COC Number:

Page 1 of 1

CLIENT INFORMATION

COMPANY: ENTACT, LLC

ADDRESS: 150 Bay Street, Suite 806

CITY: Jersey City STATE: NJ ZIP: 07302

ATTENTION: Austin Farmerie

PHONE: 412-716-1366

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Austin Farmerie

E-MAIL: afarmerie@entact.com

PHONE: 412-716-1366

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

SVOC-TCL BNA-20	Flash Point	PCB	BOD5	TSS	VOC-TCLVOA- 10	Metals ICP-TAL			
1	2	3	4	5	6	7	8	9	

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*

HARD COPY: DAYS*

EDD 5 DAYS*

* TO BE APPROVED BY ALLIANCE

STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

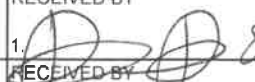
- ☐ RESEULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other _____
☐ EDD Format _____

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	E	E	E	E	E	A	B			<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TW-WTS-13	Surface Water		X	8/12	12:00	7	X	X	X	X	X	X	X			
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 08/12/25 12:00	RECEIVED BY 1.  1211 8-12-25	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>5.1C</u> ☐ Ice in Cooler? _____
RELINQUISHED BY	DATE/TIME	RECEIVED BY	Comments:
2.		2.	
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY	
3. 	8-12-25	3.	

Page _____ of _____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY



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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2837	ENTA05	Order Date : 8/12/2025 1:00:00 PM	Project Mgr :
Client Name : ENTACT		Project Name : 540 Degraw St, Brooklyn, N	Report Type : Level 1
Client Contact : Austin Farmerie		Receive DateTime : 8/12/2025 2:00:00 PM	EDD Type : Excel NJ
Invoice Name : ENTACT		Purchase Order :	Hard Copy Date :
Invoice Contact : Austin Farmerie			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2837-01	TW-WTS-13	Water	08/12/2025	12:00	VOCMS Group4		8260-Low		5 Bus. Days

Relinquished By :

Date / Time :


8-12-25 1505

Received By :

Date / Time :


8/12/25 1505

Storage Area : VOA Refridgerator Room