

Cover Page

Order ID : Q1929

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

Client : ENTACT

Lab Sample Number

Q1929-01
Q1929-02
Q1929-03
Q1929-04
Q1929-05
Q1929-06
Q1929-07
Q1929-08
Q1929-09
Q1929-10
Q1929-11
Q1929-12

Client Sample Number

WC-A4-02-G
WC-A4-02-C
WC-A4-02-C
WC-A4-02-C
WC-A1-03-G
WC-A1-03-C
WC-A1-03-C
WC-A1-03-C
WC-A1-04-G
WC-A1-04-C
WC-A1-04-C
WC-A1-04-C

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: 5/7/2025

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 #: Q1929

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: PRADIP PRAJAPATI

Date: 05/07/2025

LAB CHRONICLE

OrderID:	Q1929	OrderDate:	5/1/2025 12:26:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Jarod Stanfield	Location:	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1929-01	WC-A4-02-G	TCLP	TCLP VOA	8260D	04/29/25		05/02/25	05/01/25
Q1929-05	WC-A1-03-G	TCLP	TCLP VOA	8260D	04/30/25		05/02/25	05/01/25
Q1929-05RE	WC-A1-03-GRE	TCLP	TCLP VOA	8260D	04/30/25		05/05/25	05/01/25
Q1929-09	WC-A1-04-G	TCLP	TCLP VOA	8260D	04/30/25		05/02/25	05/01/25
Q1929-09RE	WC-A1-04-GRE	TCLP	TCLP VOA	8260D	04/30/25		05/05/25	05/01/25

Hit Summary Sheet
SW-846

SDG No.: Q1929
Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q1929-01	WC-A4-02-G WC-A4-02-G	TCLP	Benzene	15.4		0.15	5.00	ug/L
			Total Voc :	15.4				
			Total Concentration:	15.4				
Client ID: Q1929-05	WC-A1-03-G WC-A1-03-G	TCLP	Benzene	77.1		0.15	5.00	ug/L
			Total Voc :	77.1				
			Total Concentration:	77.1				
Client ID: Q1929-05RE	WC-A1-03-GRE WC-A1-03-GRE	TCLP	Benzene	60.3		0.15	5.00	ug/L
			Total Voc :	60.3				
			Total Concentration:	60.3				
Client ID: Q1929-09	WC-A1-04-G WC-A1-04-G	TCLP	Benzene	8.80		0.15	5.00	ug/L
			Total Voc :	8.80				
			Total Concentration:	8.80				
Client ID: Q1929-09RE	WC-A1-04-GRE WC-A1-04-GRE	TCLP	Benzene	7.40		0.15	5.00	ug/L
			Total Voc :	7.40				
			Total Concentration:	7.40				



QC SUMMARY

Surrogate Summary

SDG No.: Q1929

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1929-01	WC-A4-02-G	1,2-Dichloroethane-d4	50	53.5	107	70 (74)	130 (125)
		Dibromofluoromethane	50	40.9	82	70 (75)	130 (124)
		Toluene-d8	50	51.3	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.5	107	70 (77)	130 (121)
Q1929-05	WC-A1-03-G	1,2-Dichloroethane-d4	50	53.5	107	70 (74)	130 (125)
		Dibromofluoromethane	50	23.4	47 *	70 (75)	130 (124)
		Toluene-d8	50	50.3	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.4	111	70 (77)	130 (121)
Q1929-05RE	WC-A1-03-GRE	1,2-Dichloroethane-d4	50	49.3	99	70 (74)	130 (125)
		Dibromofluoromethane	50	10.9	22 *	70 (75)	130 (124)
		Toluene-d8	50	51.8	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.5	107	70 (77)	130 (121)
Q1929-09	WC-A1-04-G	1,2-Dichloroethane-d4	50	51.1	102	70 (74)	130 (125)
		Dibromofluoromethane	50	36.6	73	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.4	111	70 (77)	130 (121)
Q1929-09RE	WC-A1-04-GRE	1,2-Dichloroethane-d4	50	49.9	100	70 (74)	130 (125)
		Dibromofluoromethane	50	16.4	33 *	70 (75)	130 (124)
		Toluene-d8	50	51.5	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.6	103	70 (77)	130 (121)
VX0502WBL01	VX0502WBL01	1,2-Dichloroethane-d4	50	53.0	106	70 (74)	130 (125)
		Dibromofluoromethane	50	51.9	104	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106	70 (77)	130 (121)
VX0502WBS01	VX0502WBS01	1,2-Dichloroethane-d4	50	46.8	94	70 (74)	130 (125)
		Dibromofluoromethane	50	48.0	96	70 (75)	130 (124)
		Toluene-d8	50	44.4	89	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.9	94	70 (77)	130 (121)

Surrogate Summary

SDG No.: Q1929

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN0505WBL01	VN0505WBL01	1,2-Dichloroethane-d4	50	49.0	98	70 (74)	130 (125)
		Dibromofluoromethane	50	60.2	120	70 (75)	130 (124)
		Toluene-d8	50	50.8	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.3	95	70 (77)	130 (121)
VN0505WBS01	VN0505WBS01	1,2-Dichloroethane-d4	50	51.6	103	70 (74)	130 (125)
		Dibromofluoromethane	50	57.8	116	70 (75)	130 (124)
		Toluene-d8	50	51.4	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.1	100	70 (77)	130 (121)
VN0505WBSD0	VN0505WBSD01	1,2-Dichloroethane-d4	50	52.5	105	70 (74)	130 (125)
		Dibromofluoromethane	50	58.7	117	70 (75)	130 (124)
		Toluene-d8	50	49.5	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.7	97	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1929

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VN086481.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0505WBS01	Vinyl chloride	20	19.0	ug/L	95			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.1	ug/L	96			70 (74)	130 (110)	
	2-Butanone	100	88.3	ug/L	88			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.6	ug/L	103			70 (77)	130 (113)	
	Chloroform	20	20.2	ug/L	101			70 (79)	130 (113)	
	Benzene	20	19.6	ug/L	98			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.6	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	20.4	ug/L	102			70 (77)	130 (113)	
	Tetrachloroethene	20	20.0	ug/L	100			70 (67)	130 (123)	
	Chlorobenzene	20	20.5	ug/L	103			70 (82)	130 (109)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1929

Client: ENTACT

Analytical Method: SW8260-Low

Datafile : VN086482.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0505WBSD01	Vinyl chloride	20	18.8	ug/L	94	1		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	18.9	ug/L	95	1		70 (74)	130 (110)	20 (20)
	2-Butanone	100	96.5	ug/L	97	10		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	21.0	ug/L	105	2		70 (77)	130 (113)	20 (20)
	Chloroform	20	20.8	ug/L	104	3		70 (79)	130 (113)	20 (20)
	Benzene	20	19.9	ug/L	100	2		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	21.7	ug/L	109	6		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	21.0	ug/L	105	3		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	21.1	ug/L	106	6		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	20.9	ug/L	104	1		70 (82)	130 (109)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1929

Client: ENTACT

Analytical Method: SW8260D

Datafile : VX046016.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0502WBS01	Vinyl chloride	20	15.3	ug/L	77			70 (65)	130 (117)	
	1,1-Dichloroethene	20	16.6	ug/L	83			70 (74)	130 (110)	
	2-Butanone	100	96.6	ug/L	97			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.2	ug/L	96			70 (77)	130 (113)	
	Chloroform	20	19.5	ug/L	98			70 (79)	130 (113)	
	Benzene	20	18.1	ug/L	91			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.7	ug/L	99			70 (80)	130 (115)	
	Trichloroethene	20	17.9	ug/L	90			70 (77)	130 (113)	
	Tetrachloroethene	20	18.6	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	19.2	ug/L	96			70 (82)	130 (109)	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0505WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: Q1929

SAS No.: Q1929 SDG NO.: Q1929

Lab File ID: VN086480.D

Lab Sample ID: VN0505WBL01

Date Analyzed: 05/05/2025

Time Analyzed: 12:38

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0505WBS01	VN0505WBS01	VN086481.D	05/05/2025
VN0505WBSD01	VN0505WBSD01	VN086482.D	05/05/2025
WC-A1-03-GRE	Q1929-05RE	VN086489.D	05/05/2025
WC-A1-04-GRE	Q1929-09RE	VN086490.D	05/05/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0502WBL01

Lab Name: CHEMTECH

Contract: ENTA05

Lab Code: CHEM Case No.: Q1929

SAS No.: Q1929 SDG NO.: Q1929

Lab File ID: VX046015.D

Lab Sample ID: VX0502WBL01

Date Analyzed: 05/02/2025

Time Analyzed: 10:19

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
VX0502WBS01	VX0502WBS01	VX046016.D	05/02/2025
WC-A4-02-G	Q1929-01	VX046027.D	05/02/2025
WC-A1-03-G	Q1929-05	VX046028.D	05/02/2025
WC-A1-04-G	Q1929-09	VX046029.D	05/02/2025

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: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG NO.: Q1929
Lab File ID: VN086276.D BFB Injection Date: 04/15/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:47
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN086277.D	04/15/2025	11:29
VSTDIC005	VSTDIC005	VN086278.D	04/15/2025	12:21
VSTDIC010	VSTDIC010	VN086279.D	04/15/2025	12:45
VSTDIC020	VSTDIC020	VN086280.D	04/15/2025	13:09
VSTDIC050	VSTDIC050	VN086281.D	04/15/2025	13:51
VSTDIC100	VSTDIC100	VN086282.D	04/15/2025	14:29



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG NO.: Q1929
Lab File ID: VN086477.D BFB Injection Date: 05/05/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:23
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	70.3 (95) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086478.D	05/05/2025	11:32
VN0505WBL01	VN0505WBL01	VN086480.D	05/05/2025	12:38
VN0505WBS01	VN0505WBS01	VN086481.D	05/05/2025	13:02
VN0505WBSD01	VN0505WBSD01	VN086482.D	05/05/2025	13:36
WC-A1-03-GRE	Q1929-05RE	VN086489.D	05/05/2025	16:25
WC-A1-04-GRE	Q1929-09RE	VN086490.D	05/05/2025	16:49



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG NO.: Q1929
Lab File ID: VX045524.D BFB Injection Date: 04/01/2025
Instrument ID: MSVOA_X BFB Injection Time: 16:15
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	23.6
75	30.0 - 60.0% of mass 95	58.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	5.2 (7.8) 1
176	95.0 - 101.0% of mass 174	65.3 (97.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX045525.D	04/01/2025	17:06
VSTDIC005	VSTDIC005	VX045526.D	04/01/2025	17:29
VSTDIC020	VSTDIC020	VX045527.D	04/01/2025	17:52
VSTDIC050	VSTDIC050	VX045528.D	04/01/2025	18:15
VSTDIC100	VSTDIC100	VX045529.D	04/01/2025	18:38
VSTDIC150	VSTDIC150	VX045530.D	04/01/2025	19:02



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05
Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG NO.: Q1929
Lab File ID: VX046012.D BFB Injection Date: 05/02/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:56
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 60.0% of mass 95	57.6
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	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	68.5
175	5.0 - 9.0% of mass 174	5.2 (7.6) 1
176	95.0 - 101.0% of mass 174	65.7 (95.8) 1
177	5.0 - 9.0% of mass 176	4.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046013.D	05/02/2025	09:26
VX0502WBL01	VX0502WBL01	VX046015.D	05/02/2025	10:19
VX0502WBS01	VX0502WBS01	VX046016.D	05/02/2025	10:42
WC-A4-02-G	Q1929-01	VX046027.D	05/02/2025	15:01
WC-A1-03-G	Q1929-05	VX046028.D	05/02/2025	15:25
WC-A1-04-G	Q1929-09	VX046029.D	05/02/2025	15:48

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG NO.: Q1929
 Lab File ID: VN086478.D Date Analyzed: 05/05/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:32
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	154484	8.22	297307	9.10	276417	11.87
UPPER LIMIT	308968	8.718	594614	9.6	552834	12.365
LOWER LIMIT	77242	7.718	148654	8.6	138209	11.365
EPA SAMPLE NO.						
WC-A1-03-GRE	145576	8.22	280881	9.10	275635	11.87
WC-A1-04-GRE	131562	8.22	251143	9.10	237065	11.87
VN0505WBL01	156438	8.22	296282	9.10	275019	11.87
VN0505WBS01	196497	8.22	366604	9.10	333505	11.87
VN0505WBSD01	157209	8.22	292904	9.10	266719	11.87

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: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG NO.: Q1929
 Lab File ID: VN086478.D Date Analyzed: 05/05/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:32
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	133852	13.788				
UPPER LIMIT	267704	14.288				
LOWER LIMIT	66926	13.288				
EPA SAMPLE NO.						
WC-A1-03-GRE	127559	13.79				
WC-A1-04-GRE	109954	13.79				
VN0505WBL01	110905	13.79				
VN0505WBS01	147574	13.79				
VN0505WBSD01	123407	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG NO.: Q1929
 Lab File ID: VX046013.D Date Analyzed: 05/02/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:26
 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	88170	5.54	150204	6.75	131792	10.05
UPPER LIMIT	176340	6.044	300408	7.251	263584	10.549
LOWER LIMIT	44085	5.044	75102	6.251	65896	9.549
EPA SAMPLE NO.						
WC-A4-02-G	63805	5.55	123985	6.76	115584	10.06
WC-A1-03-G	64529	5.54	128078	6.76	120951	10.05
WC-A1-04-G	64498	5.54	124983	6.76	118050	10.06
VX0502WBL01	66865	5.54	129422	6.76	121808	10.05
VX0502WBS01	77025	5.55	135229	6.76	118203	10.05

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG NO.: Q1929
 Lab File ID: VX046013.D Date Analyzed: 05/02/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:26
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	63914	12.018				
UPPER LIMIT	127828	12.518				
LOWER LIMIT	31957	11.518				
EPA SAMPLE NO.						
WC-A4-02-G	53234	12.02				
WC-A1-03-G	55534	12.02				
WC-A1-04-G	54267	12.02				
VX0502WBL01	52200	12.02				
VX0502WBS01	56323	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:	04/29/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/01/25
Client Sample ID:	WC-A4-02-G	SDG No.:	Q1929
Lab Sample ID:	Q1929-01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046027.D	1		05/02/25 15:01	VX050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	15.4		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	40.9		70 (75) - 130 (124)	82%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	63800	5.55			
540-36-3	1,4-Difluorobenzene	124000	6.757			
3114-55-4	Chlorobenzene-d5	116000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	53200	12.024			

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\VX050225\
 Data File : VX046027.D
 Acq On : 02 May 2025 15:01
 Operator : JC/MD
 Sample : Q1929-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A4-02-G

Quant Time: May 02 23:16:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

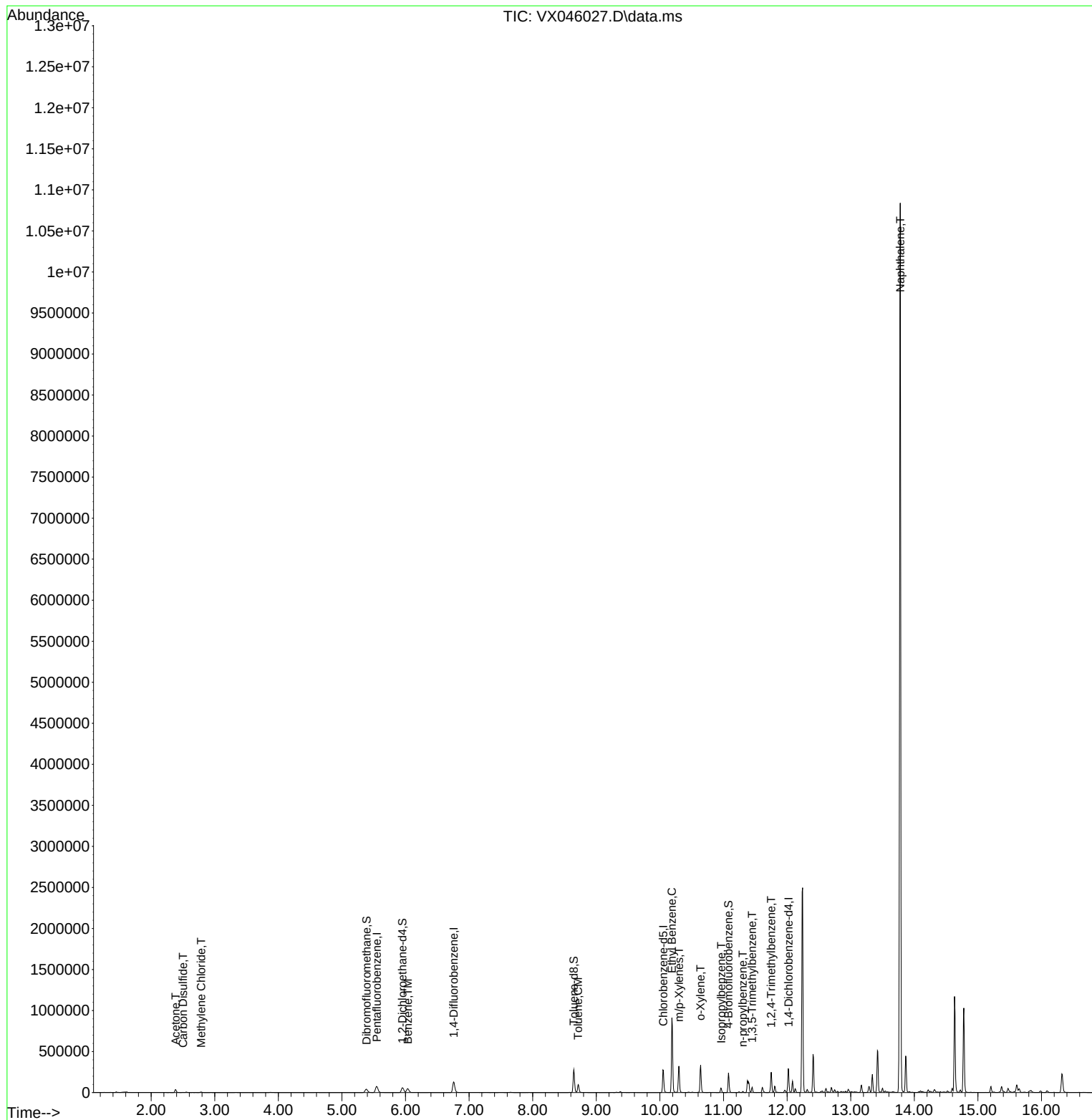
Internal Standards						
1) Pentafluorobenzene	5.550	168	63805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	123985	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	115584	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62393	53.472	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.940%			
35) Dibromofluoromethane	5.385	113	35961	40.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 81.760%			
50) Toluene-d8	8.647	98	157375	51.255	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.520%			
62) 4-Bromofluorobenzene	11.079	95	59851	53.515	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 107.020%			
Target Compounds					Qvalue	
16) Acetone	2.386	43	40028	83.543	ug/l	94
17) Carbon Disulfide	2.502	76	2419	1.279	ug/l	99
20) Methylene Chloride	2.788	84	2985	3.328	ug/l	94
40) Benzene	6.037	78	55977	15.431	ug/l	99
52) Toluene	8.714	92	35491	16.169	ug/l	99
67) Ethyl Benzene	10.189	91	507434	114.713	ug/l	100
68) m/p-Xylenes	10.299	106	68101	42.329	ug/l	100
69) o-Xylene	10.640	106	64098	40.443	ug/l	95
73) Isopropylbenzene	10.963	105	28003	6.567	ug/l	98
78) n-propylbenzene	11.305	91	8812	1.794	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	27631	7.836	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	102456	28.950	ug/l	100
95) Naphthalene	13.780	128	6062119	1641.312	ug/l	98

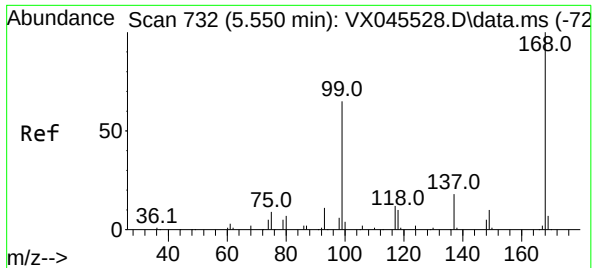
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046027.D
Acq On : 02 May 2025 15:01
Operator : JC/MD
Sample : Q1929-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A4-02-G

Quant Time: May 02 23:16:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

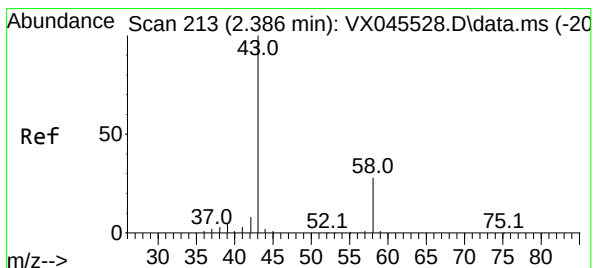
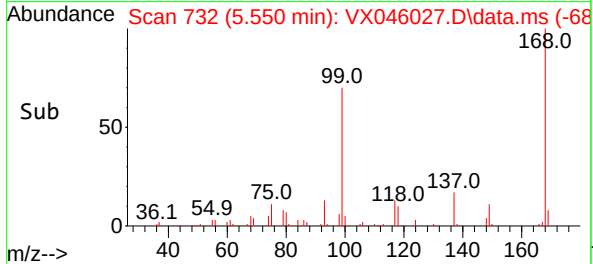
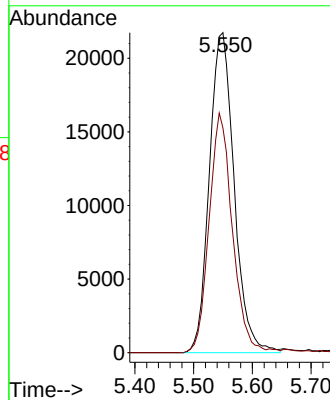
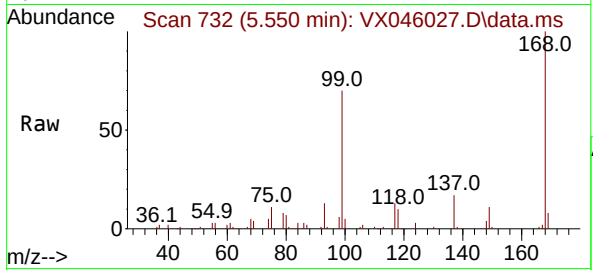




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX046027.D
Acq: 02 May 2025 15:01

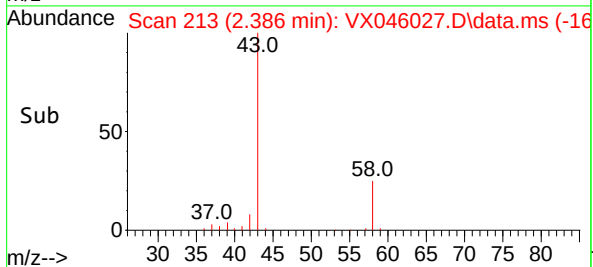
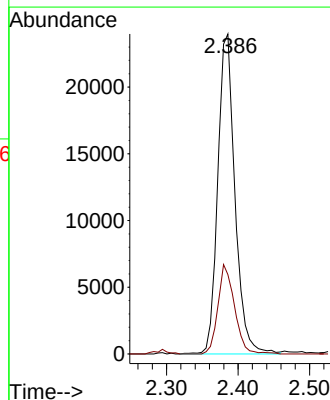
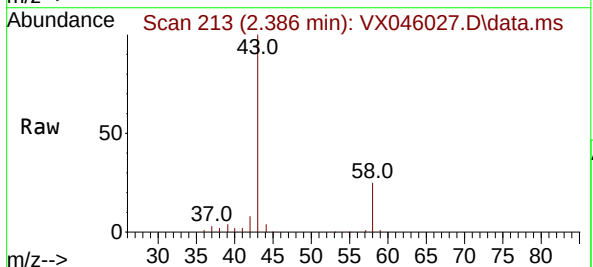
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-02-G

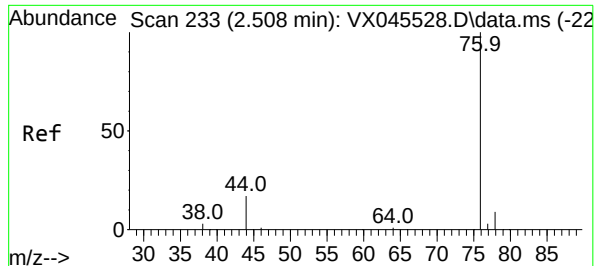
Tgt Ion:168 Resp: 63805
Ion Ratio Lower Upper
168 100
99 70.2 52.3 78.5



#16
Acetone
Concen: 83.543 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046027.D
Acq: 02 May 2025 15:01

Tgt Ion: 43 Resp: 40028
Ion Ratio Lower Upper
43 100
58 24.8 22.3 33.5





#17

Carbon Disulfide

Concen: 1.279 ug/l

RT: 2.502 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX046027.D

Acq: 02 May 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

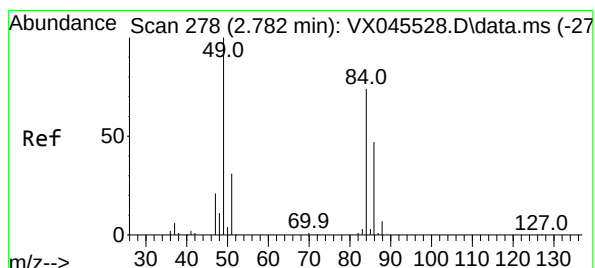
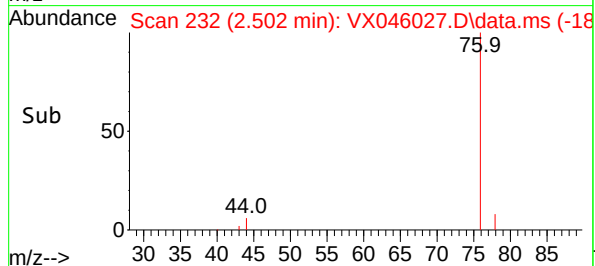
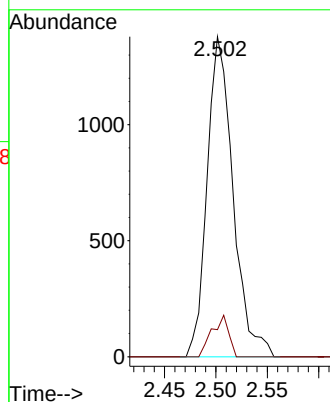
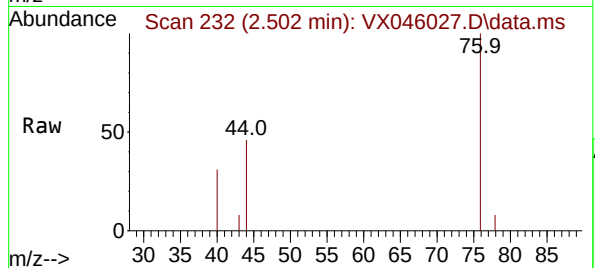
WC-A4-02-G

Tgt Ion: 76 Resp: 2419

Ion Ratio Lower Upper

76 100

78 8.5 7.0 10.6



#20

Methylene Chloride

Concen: 3.328 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX046027.D

Acq: 02 May 2025 15:01

Tgt Ion: 84 Resp: 2985

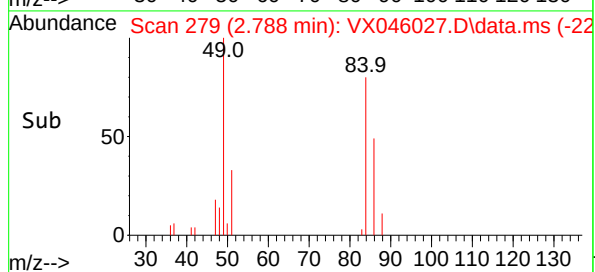
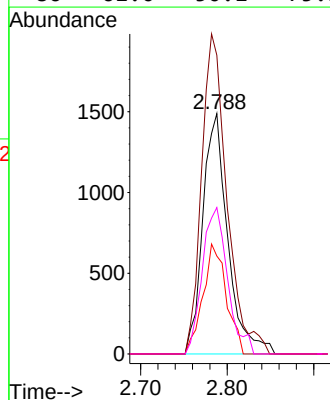
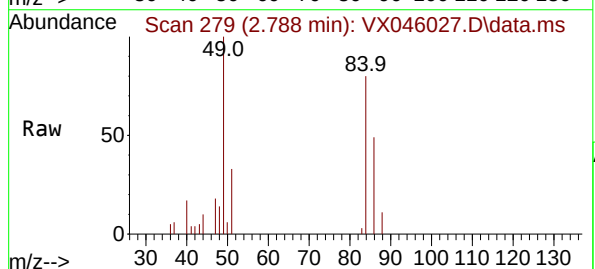
Ion Ratio Lower Upper

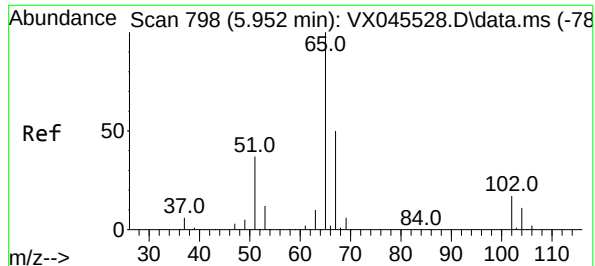
84 100

49 124.3 107.5 161.3

51 40.8 33.0 49.6

86 61.0 50.1 75.1





#33

1,2-Dichloroethane-d4

Concen: 53.472 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046027.D

Acq: 02 May 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

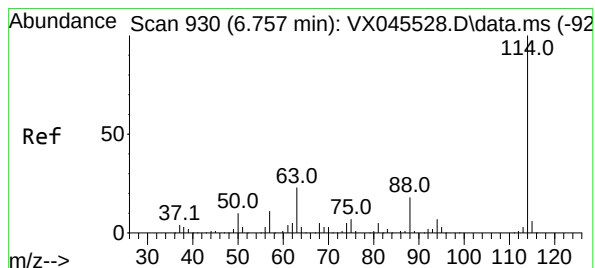
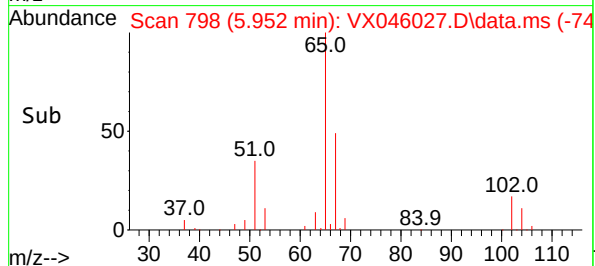
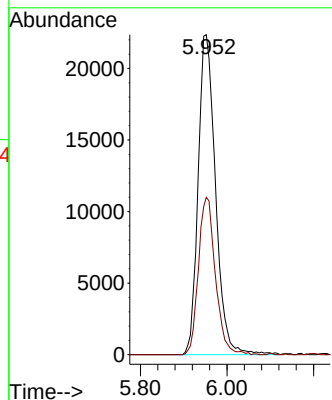
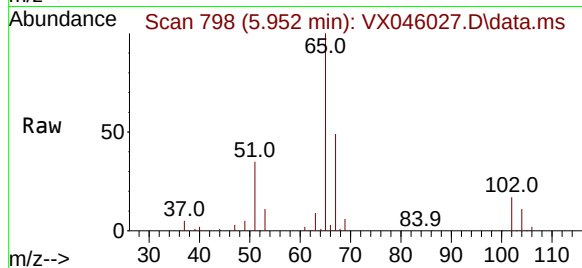
WC-A4-02-G

Tgt Ion: 65 Resp: 62393

Ion Ratio Lower Upper

65 100

67 48.0 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046027.D

Acq: 02 May 2025 15:01

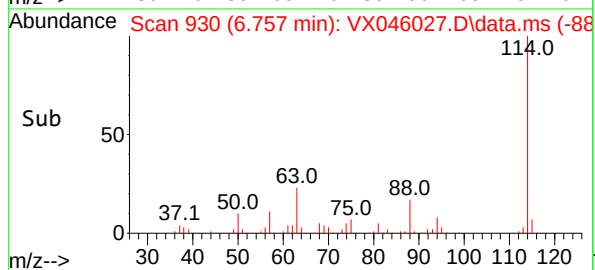
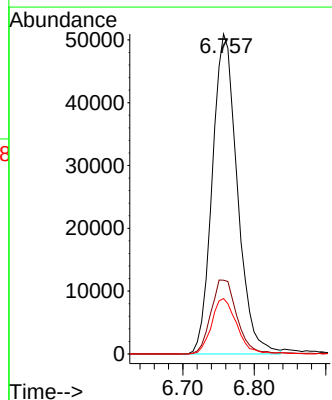
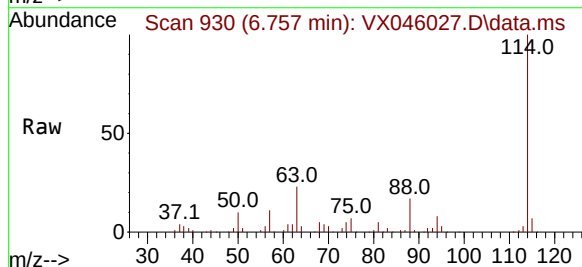
Tgt Ion: 114 Resp: 123985

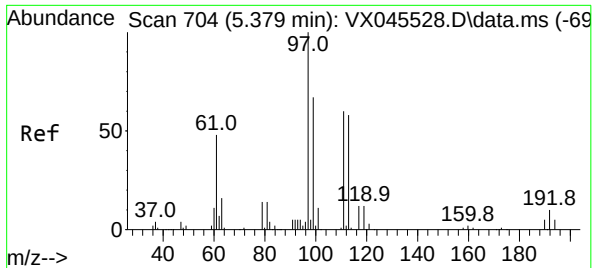
Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.8

88 17.3 0.0 35.4





#35

Dibromofluoromethane

Concen: 40.880 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX046027.D

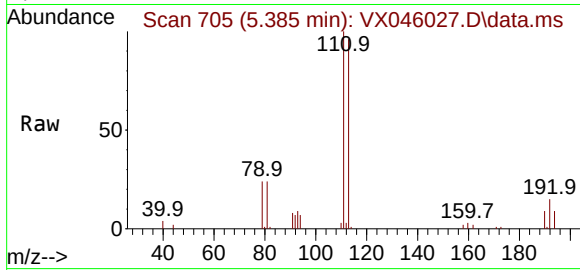
Acq: 02 May 2025 15:01

Instrument :

MSVOA_X

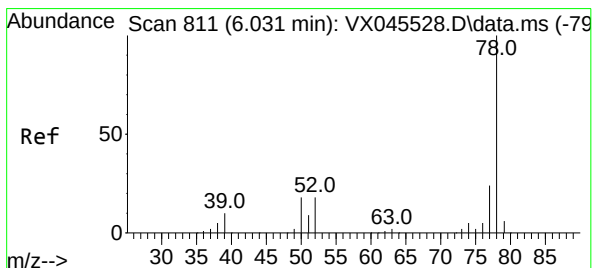
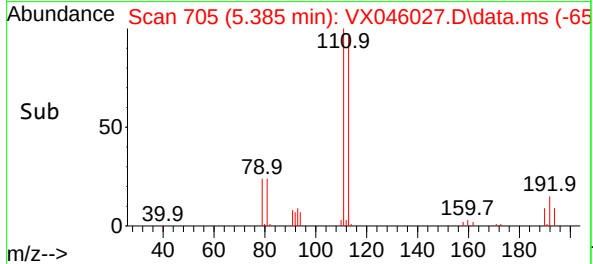
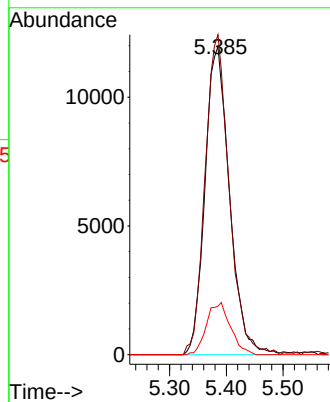
ClientSampleId :

WC-A4-02-G



Tgt Ion:113 Resp: 35961

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.8	122.6
192	16.5	13.8	20.6



#40

Benzene

Concen: 15.431 ug/l

RT: 6.037 min Scan# 812

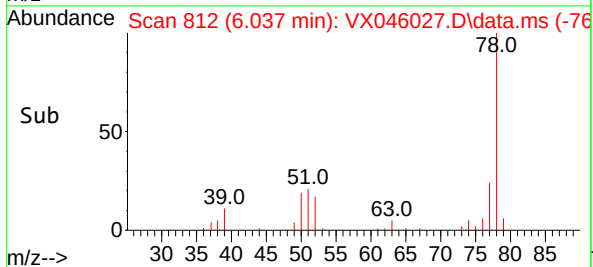
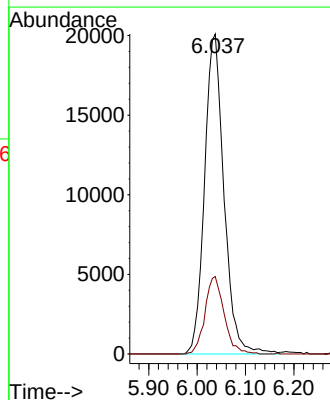
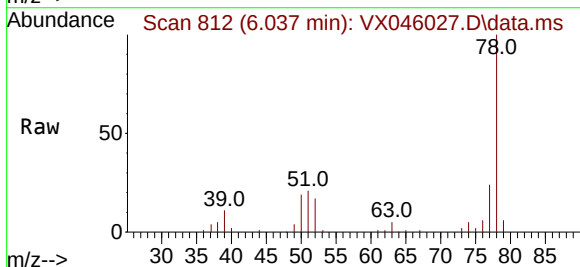
Delta R.T. 0.006 min

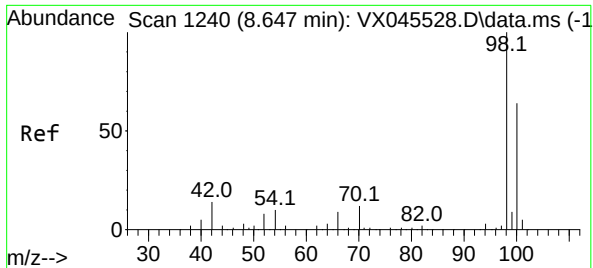
Lab File: VX046027.D

Acq: 02 May 2025 15:01

Tgt Ion: 78 Resp: 55977

Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6

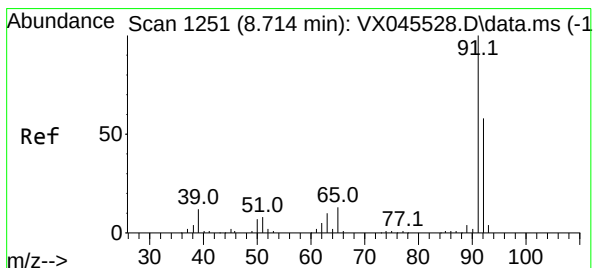
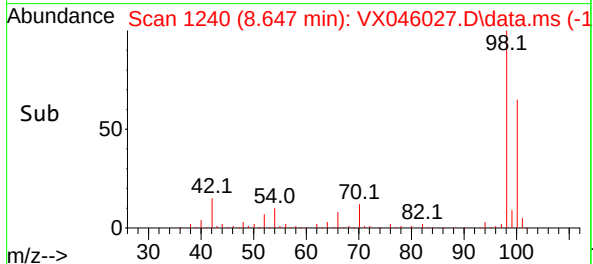
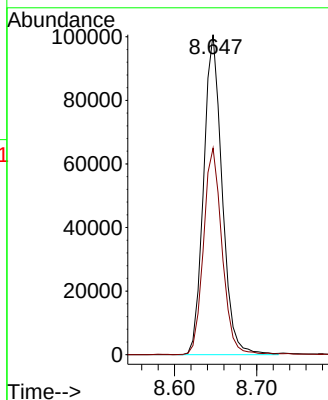
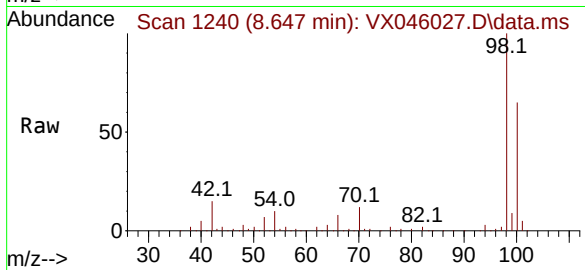




#50
Toluene-d8
Concen: 51.255 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046027.D
Acq: 02 May 2025 15:01

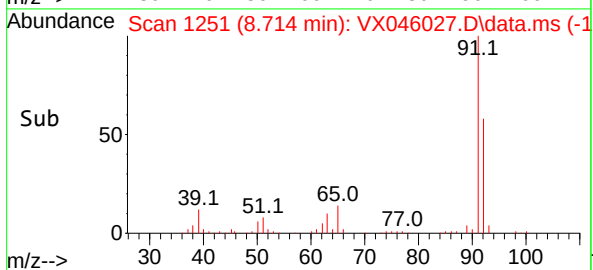
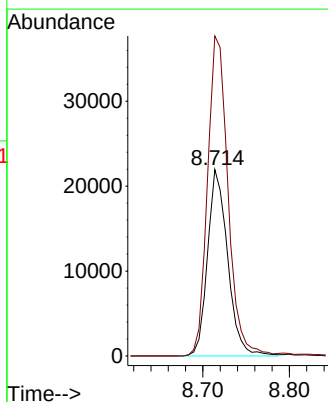
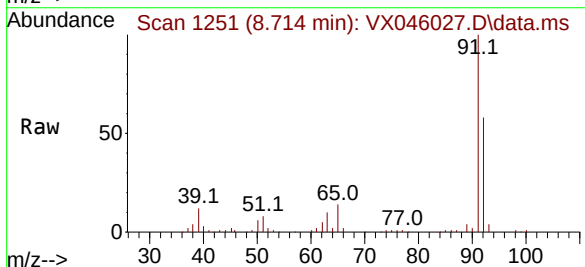
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-02-G

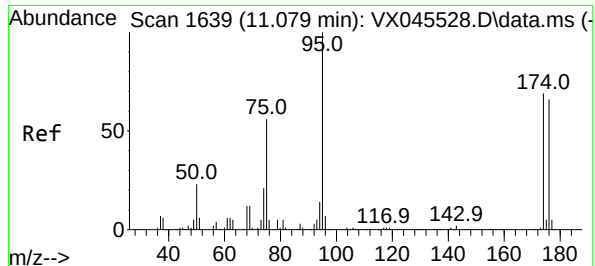
Tgt Ion: 98 Resp: 157375
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#52
Toluene
Concen: 16.169 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046027.D
Acq: 02 May 2025 15:01

Tgt Ion: 92 Resp: 35491
Ion Ratio Lower Upper
92 100
91 174.9 138.7 208.1

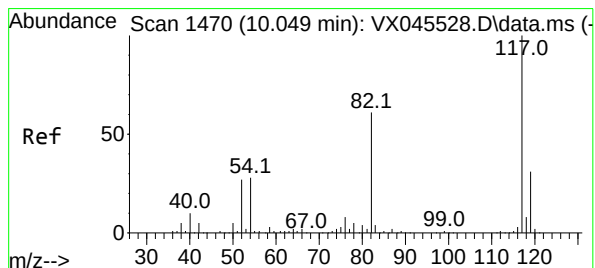
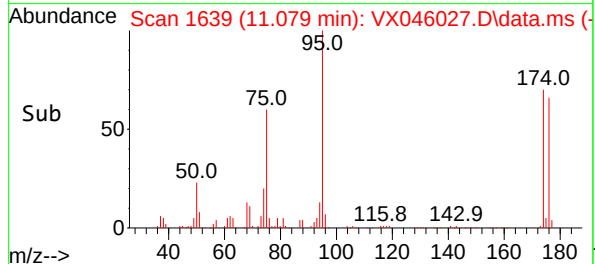
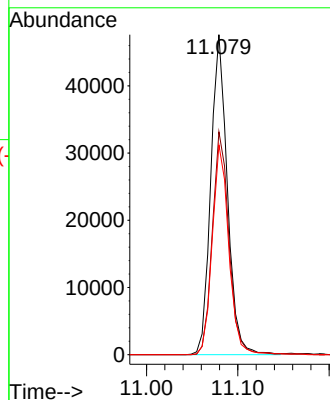
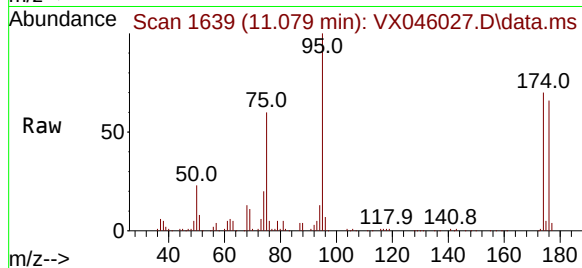




#62
4-Bromofluorobenzene
Concen: 53.515 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046027.D
Acq: 02 May 2025 15:01

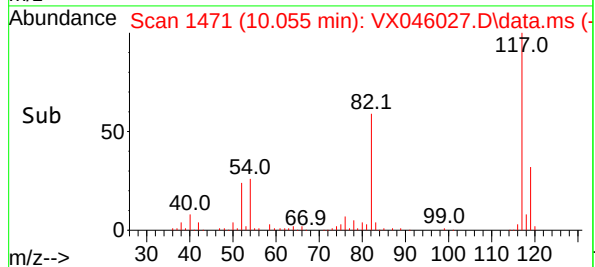
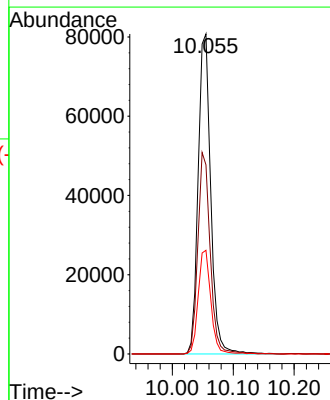
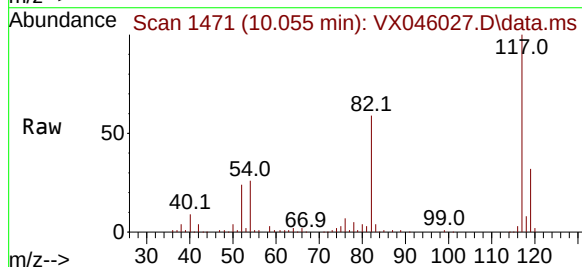
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-02-G

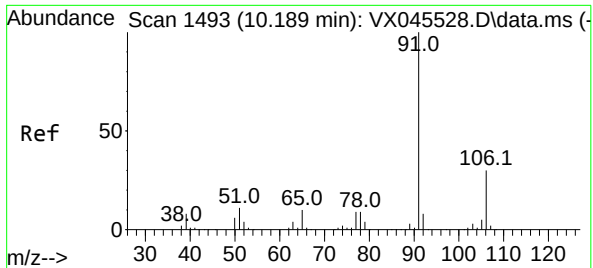
Tgt Ion	95	Resp	59851
Ion Ratio	Lower	Upper	
95	100		
174	70.0	0.0	135.8
176	65.6	0.0	131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX046027.D
Acq: 02 May 2025 15:01

Tgt Ion	117	Resp	115584
Ion Ratio	Lower	Upper	
117	100		
82	59.1	49.2	73.8
119	32.4	25.1	37.7





#67

Ethyl Benzene

Concen: 114.713 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX046027.D

Acq: 02 May 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

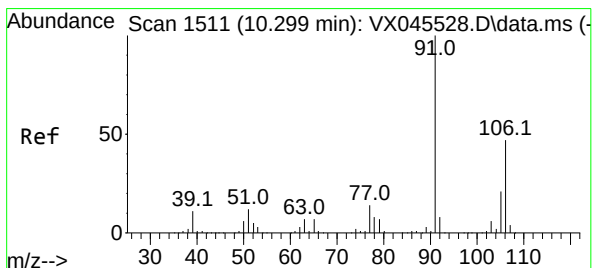
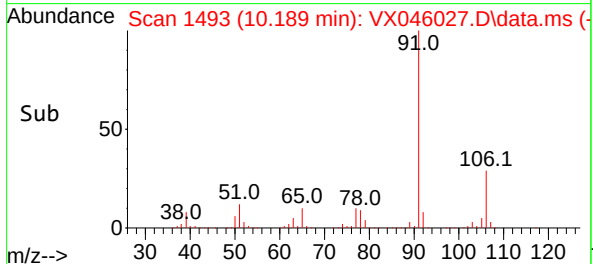
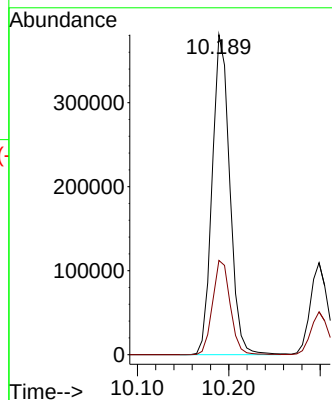
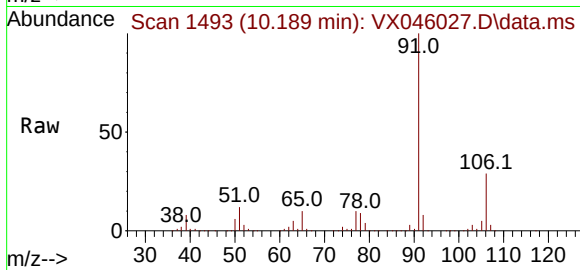
WC-A4-02-G

Tgt Ion: 91 Resp: 507434

Ion Ratio Lower Upper

91 100

106 29.5 23.7 35.5



#68

m/p-Xylenes

Concen: 42.329 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046027.D

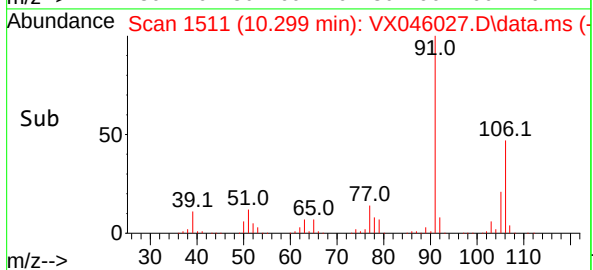
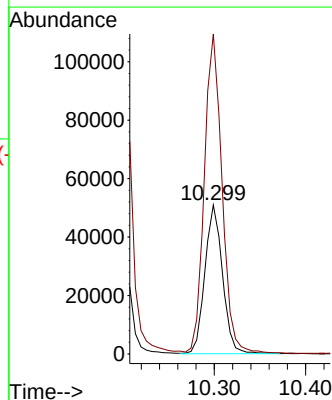
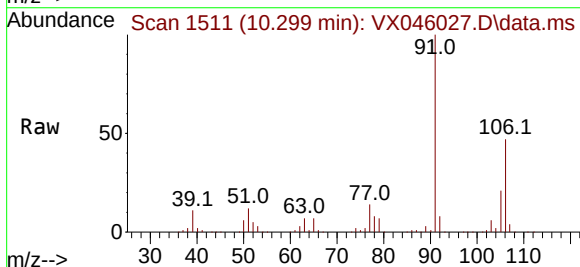
Acq: 02 May 2025 15:01

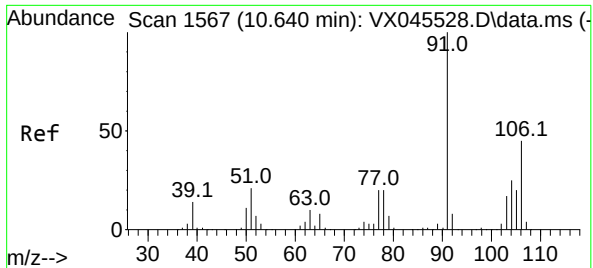
Tgt Ion:106 Resp: 68101

Ion Ratio Lower Upper

106 100

91 216.3 172.6 258.8





#69

o-Xylene

Concen: 40.443 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046027.D

Acq: 02 May 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

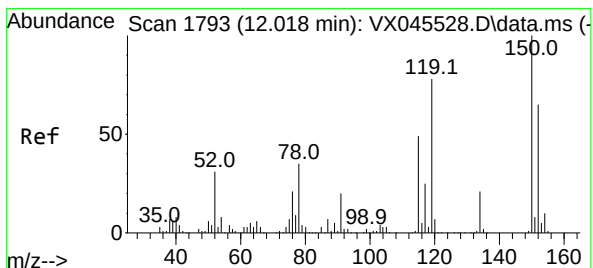
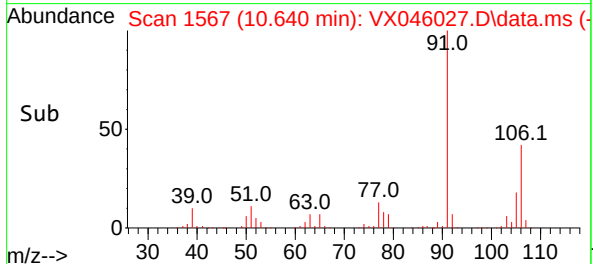
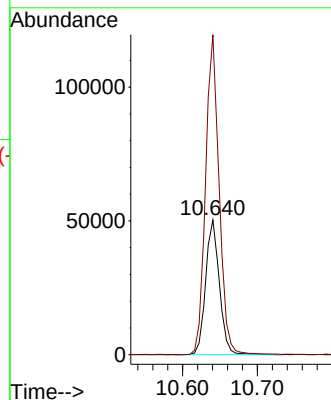
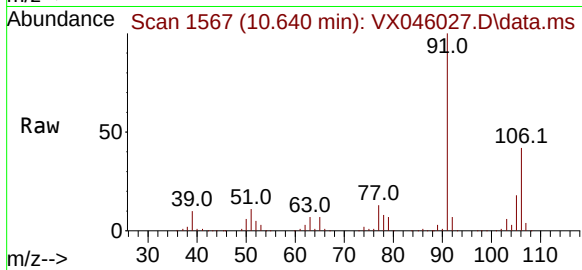
WC-A4-02-G

Tgt Ion:106 Resp: 64098

Ion Ratio Lower Upper

106 100

91 235.6 113.6 340.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX046027.D

Acq: 02 May 2025 15:01

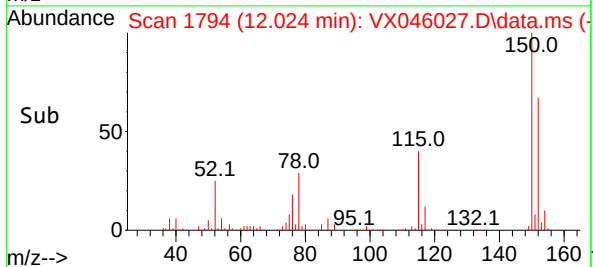
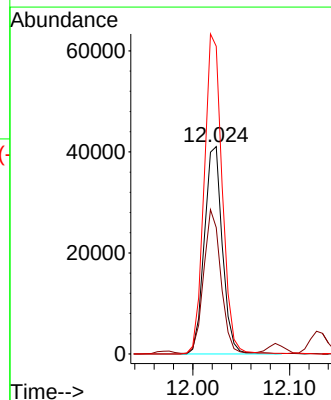
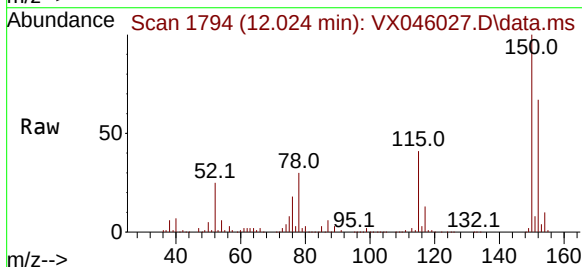
Tgt Ion:152 Resp: 53234

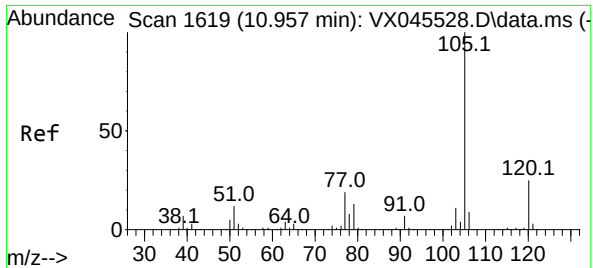
Ion Ratio Lower Upper

152 100

115 65.7 46.9 140.7

150 154.0 0.0 349.4

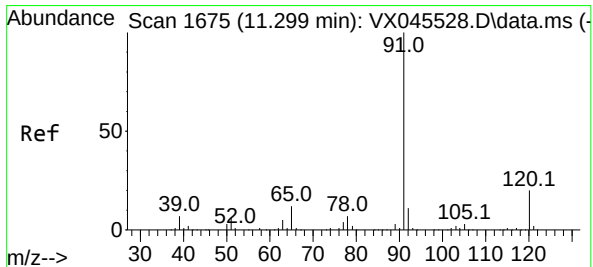
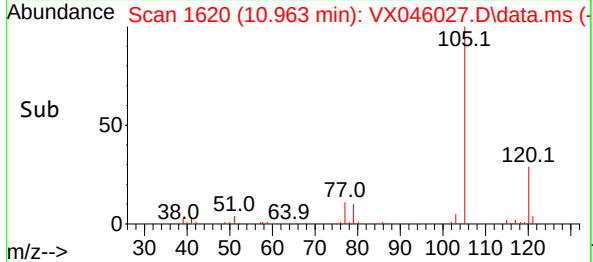
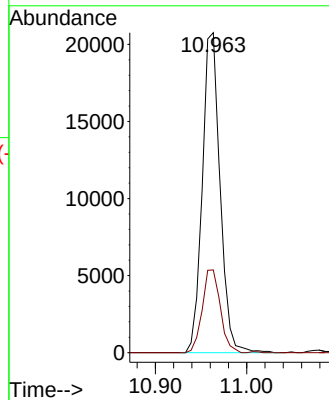
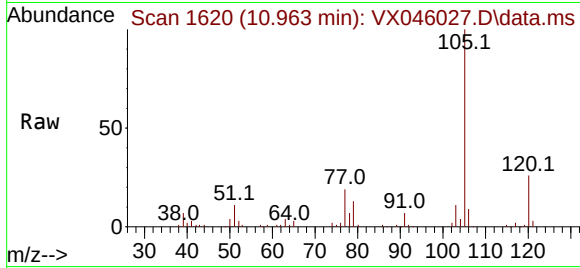




#73
Isopropylbenzene
Concen: 6.567 ug/l
RT: 10.963 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VX046027.D
Acq: 02 May 2025 15:01

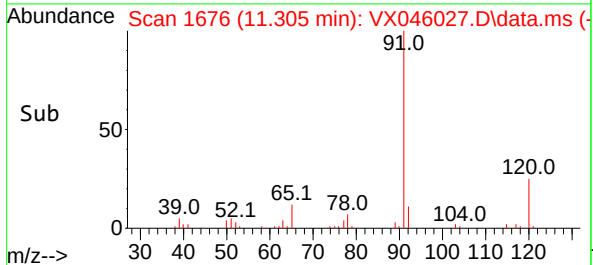
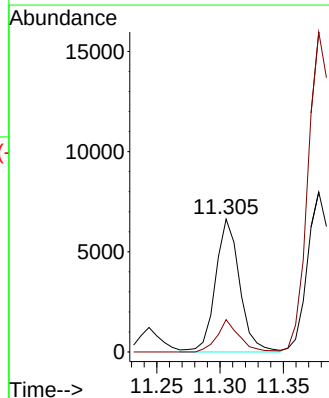
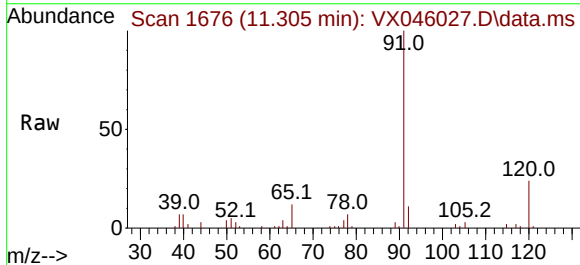
Instrument :
MSVOA_X
ClientSampleId :
WC-A4-02-G

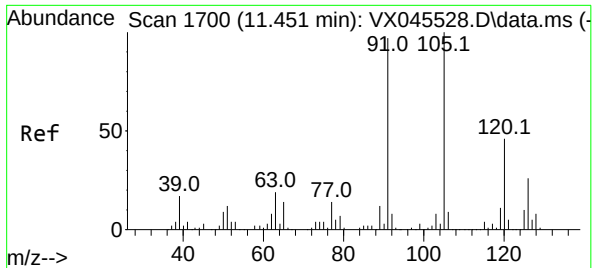
Tgt Ion:105 Resp: 28003
Ion Ratio Lower Upper
105 100
120 26.2 12.7 38.0



#78
n-propylbenzene
Concen: 1.794 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046027.D
Acq: 02 May 2025 15:01

Tgt Ion: 91 Resp: 8812
Ion Ratio Lower Upper
91 100
120 22.5 10.8 32.3





#80

1,3,5-Trimethylbenzene

Concen: 7.836 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046027.D

Acq: 02 May 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

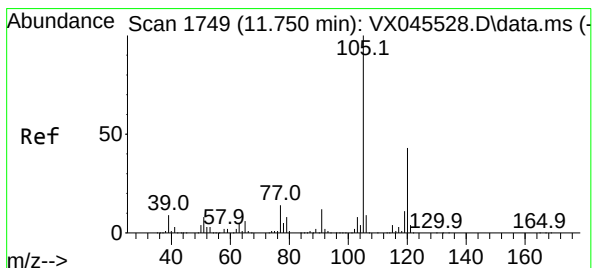
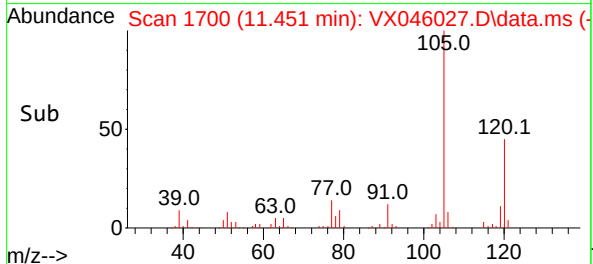
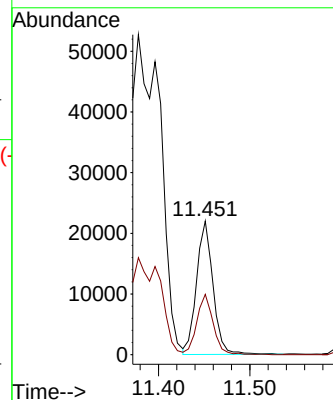
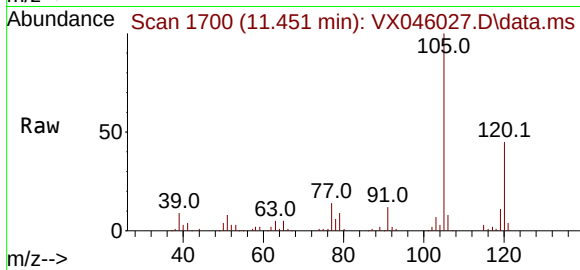
WC-A4-02-G

Tgt Ion:105 Resp: 27631

Ion Ratio Lower Upper

105 100

120 45.1 23.0 69.0



#84

1,2,4-Trimethylbenzene

Concen: 28.950 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX046027.D

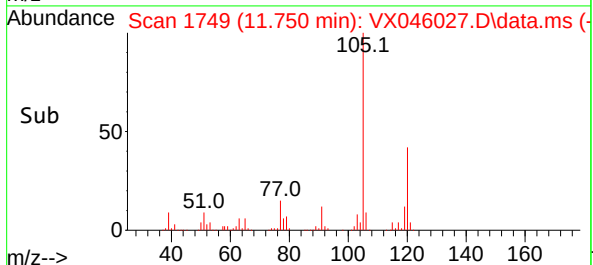
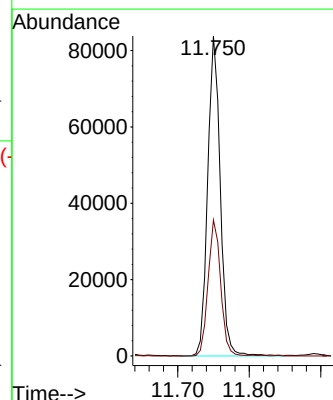
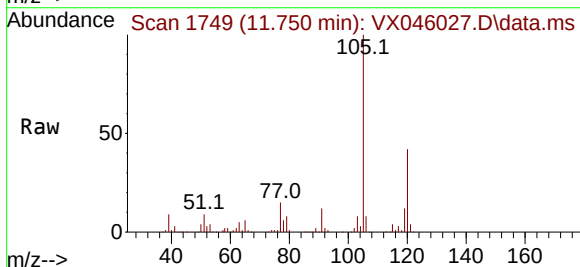
Acq: 02 May 2025 15:01

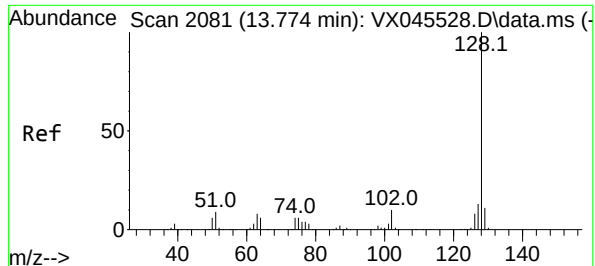
Tgt Ion:105 Resp: 102456

Ion Ratio Lower Upper

105 100

120 42.7 21.4 64.3





#95

Naphthalene

Concen: 1641.312 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX046027.D

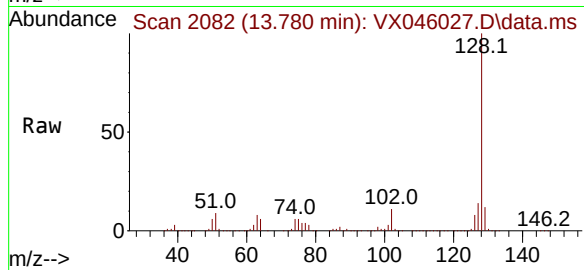
Acq: 02 May 2025 15:01

Instrument :

MSVOA_X

ClientSampleId :

WC-A4-02-G



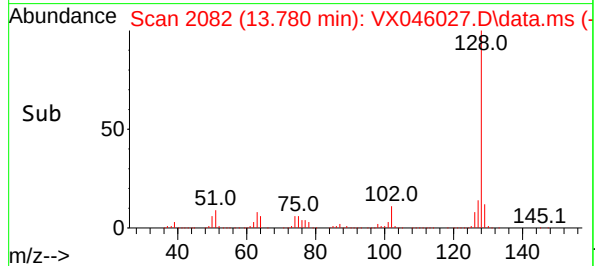
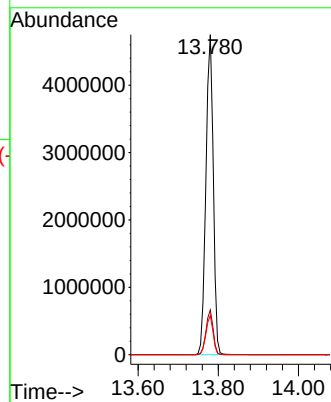
Tgt Ion:128 Resp: 6062119

Ion	Ratio	Lower	Upper
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128	100		
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127	13.5	10.3	15.5
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129	11.7	8.6	12.8
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Report of Analysis

Client:	ENTACT	Date Collected:	04/30/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/01/25
Client Sample ID:	WC-A1-03-G	SDG No.:	Q1929
Lab Sample ID:	Q1929-05	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046028.D	1		05/02/25 15:25	VX050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	77.1		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	23.4	*	70 (75) - 130 (124)	47%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.4		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	64500	5.544			
540-36-3	1,4-Difluorobenzene	128000	6.757			
3114-55-4	Chlorobenzene-d5	121000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	55500	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\VX050225\
 Data File : VX046028.D
 Acq On : 02 May 2025 15:25
 Operator : JC/MD
 Sample : Q1929-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A1-03-G

Quant Time: May 02 23:17:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

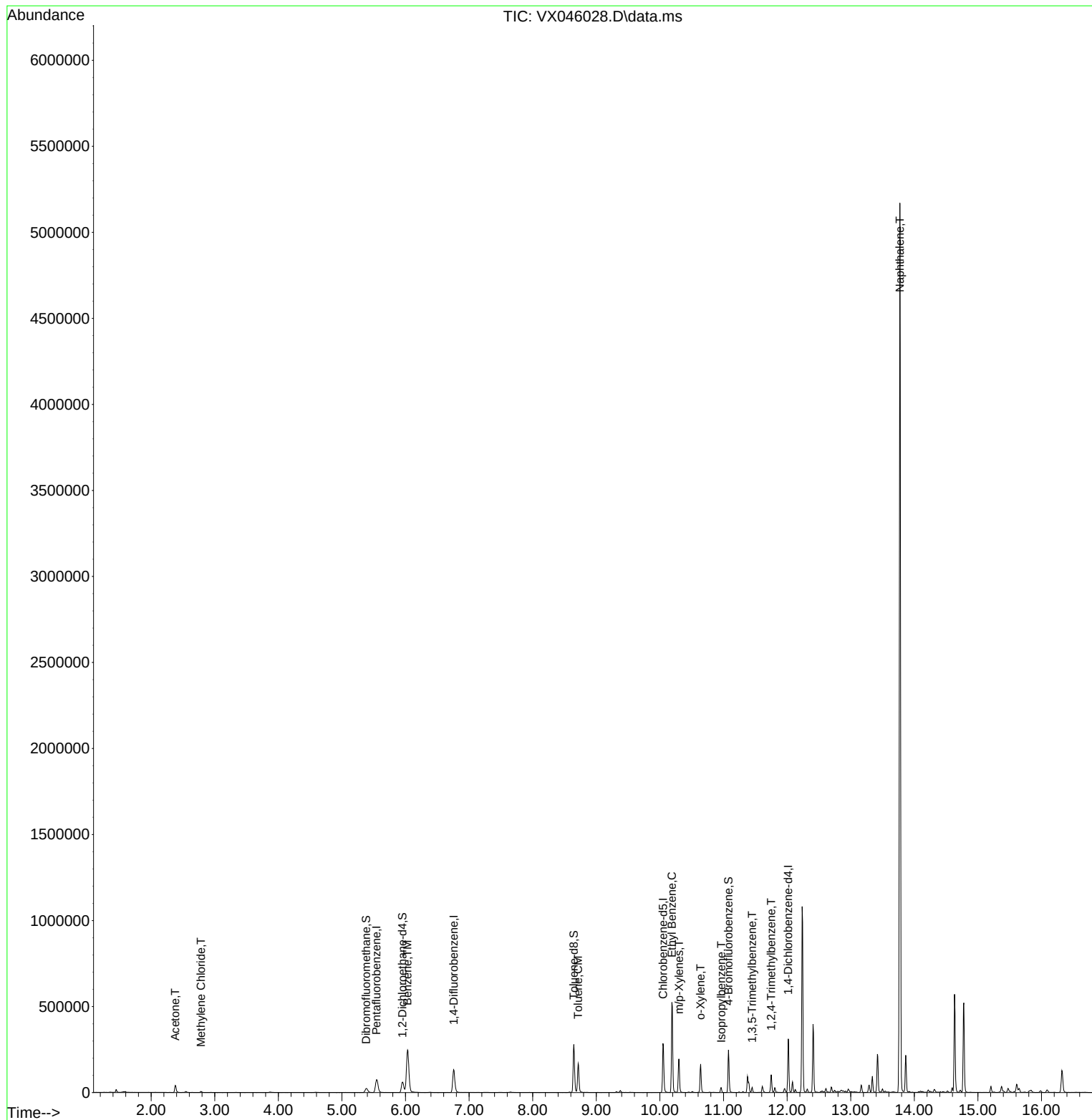
Internal Standards						
1) Pentafluorobenzene	5.544	168	64529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	128078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	120951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63123	53.491	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.980%			
35) Dibromofluoromethane	5.379	113	21234	23.367	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 46.740%#			
50) Toluene-d8	8.647	98	159398	50.255	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.520%			
62) 4-Bromofluorobenzene	11.079	95	63988	55.386	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.780%			
Target Compounds					Qvalue	
16) Acetone	2.380	43	45678	94.265	ug/l	100
20) Methylene Chloride	2.782	84	2745	3.026	ug/l	98
40) Benzene	6.031	78	288735	77.053	ug/l	99
52) Toluene	8.714	92	61205	26.993	ug/l	100
67) Ethyl Benzene	10.189	91	301449	65.123	ug/l	99
68) m/p-Xylenes	10.299	106	41158	24.447	ug/l	93
69) o-Xylene	10.640	106	31395	18.930	ug/l	95
73) Isopropylbenzene	10.963	105	15165	3.409	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	12415	3.375	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	43225	11.708	ug/l	99
95) Naphthalene	13.774	128	2907493	754.598	ug/l	99

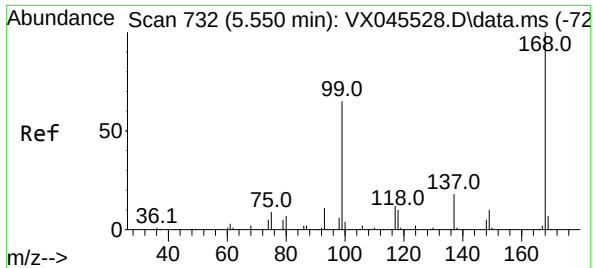
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046028.D
Acq On : 02 May 2025 15:25
Operator : JC/MD
Sample : Q1929-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A1-03-G

Quant Time: May 02 23:17:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX046028.D

Acq: 02 May 2025 15:25

Instrument :

MSVOA_X

ClientSampleId :

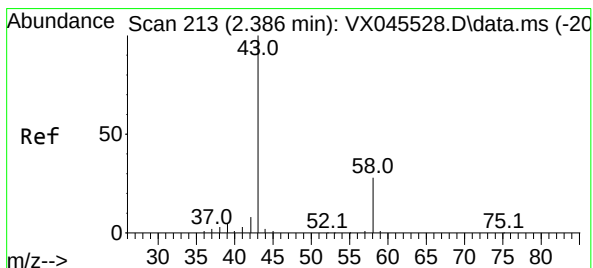
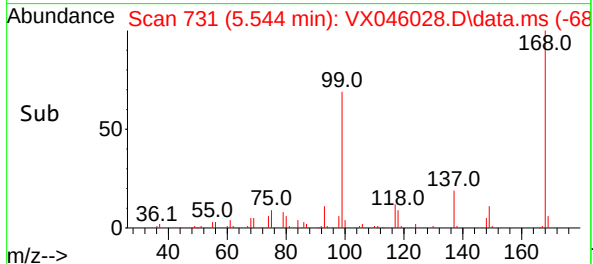
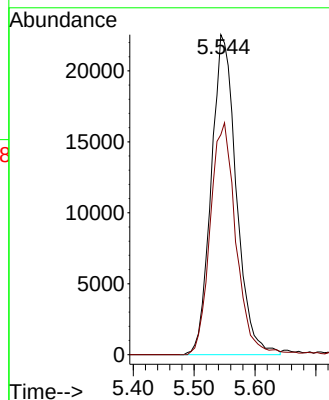
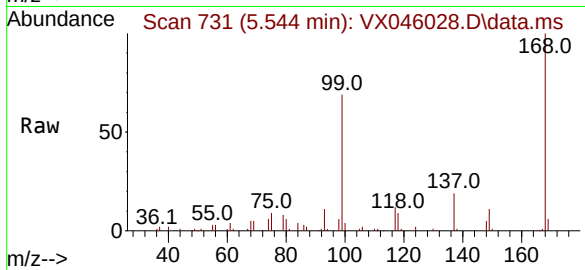
WC-A1-03-G

Tgt Ion:168 Resp: 64529

Ion Ratio Lower Upper

168 100

99 68.8 52.3 78.5



#16

Acetone

Concen: 94.265 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046028.D

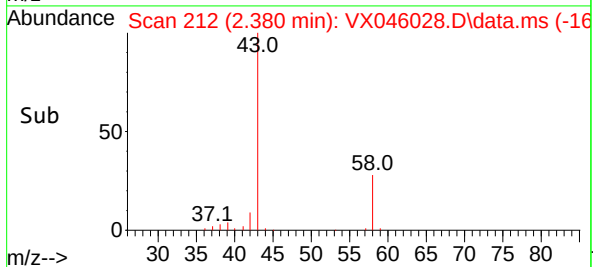
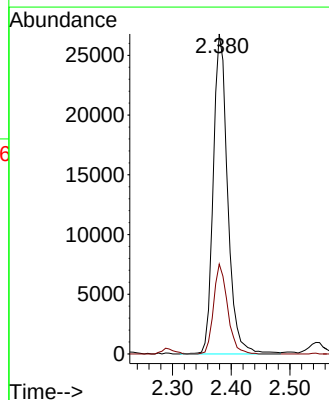
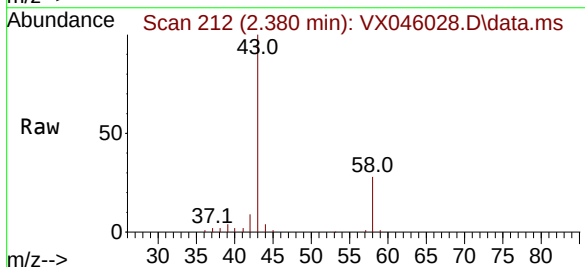
Acq: 02 May 2025 15:25

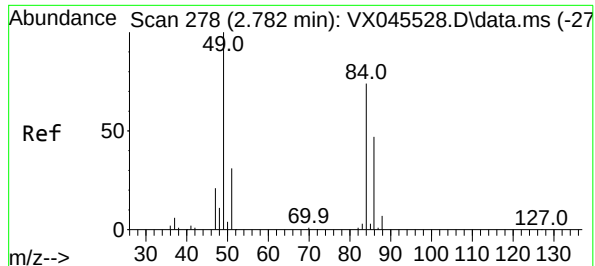
Tgt Ion: 43 Resp: 45678

Ion Ratio Lower Upper

43 100

58 28.1 22.3 33.5





#20

Methylene Chloride

Concen: 3.026 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX046028.D

Acq: 02 May 2025 15:25

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-03-G

Tgt Ion: 84 Resp: 2745

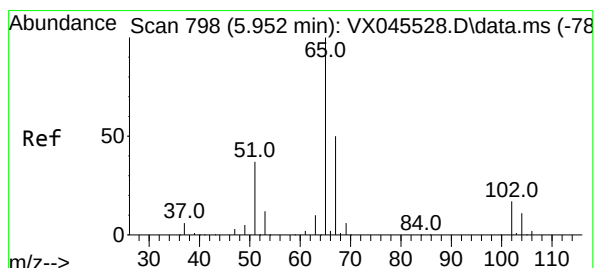
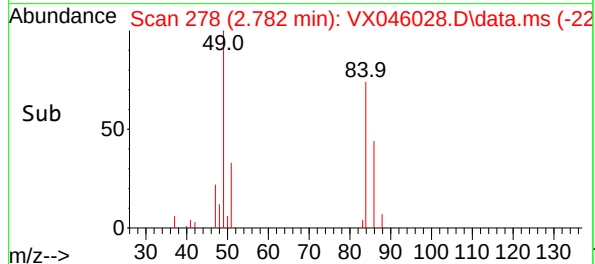
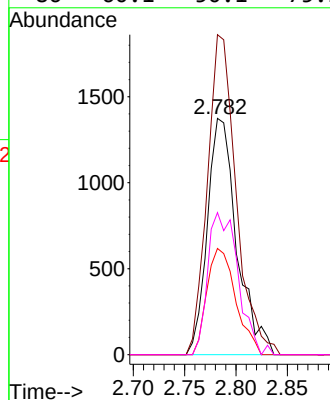
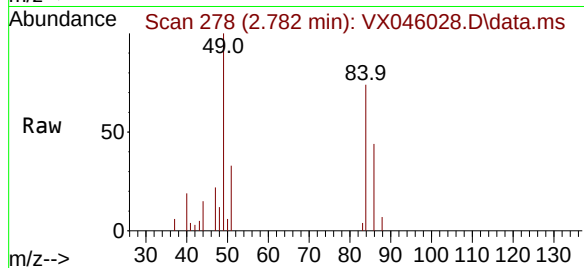
Ion Ratio Lower Upper

84 100

49 135.4 107.5 161.3

51 45.0 33.0 49.6

86 60.1 50.1 75.1



#33

1,2-Dichloroethane-d4

Concen: 53.491 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046028.D

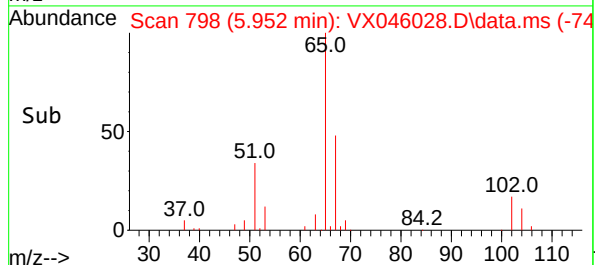
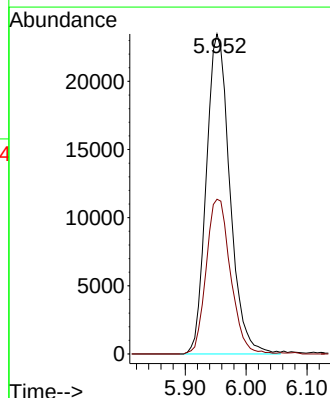
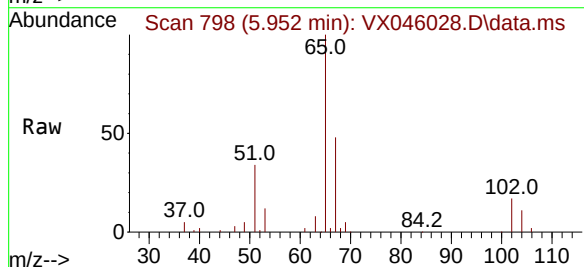
Acq: 02 May 2025 15:25

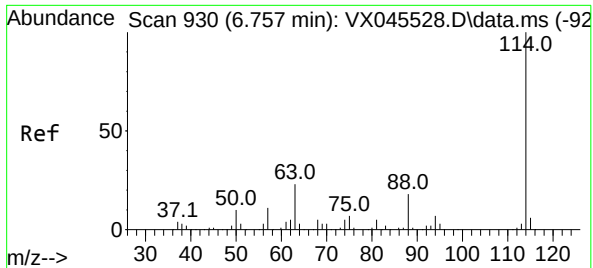
Tgt Ion: 65 Resp: 63123

Ion Ratio Lower Upper

65 100

67 49.9 0.0 99.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046028.D

Acq: 02 May 2025 15:25

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-03-G

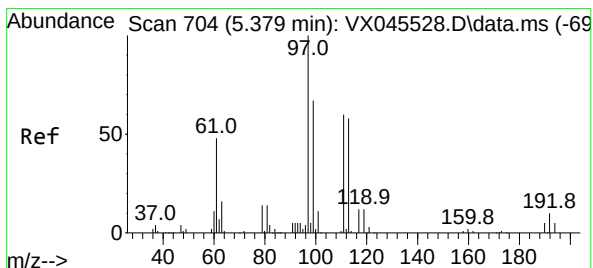
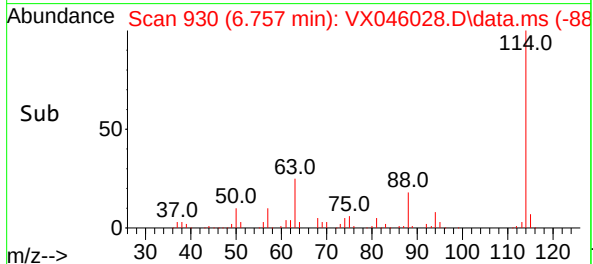
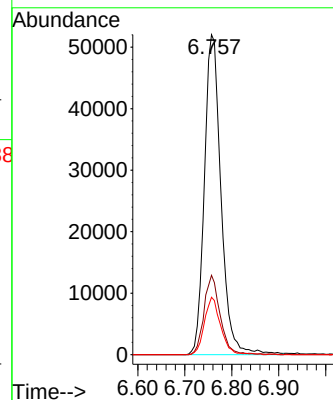
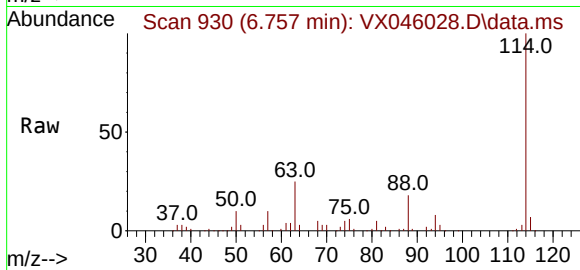
Tgt Ion:114 Resp: 128078

Ion Ratio Lower Upper

114 100

63 24.8 0.0 46.8

88 17.9 0.0 35.4



#35

Dibromofluoromethane

Concen: 23.367 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046028.D

Acq: 02 May 2025 15:25

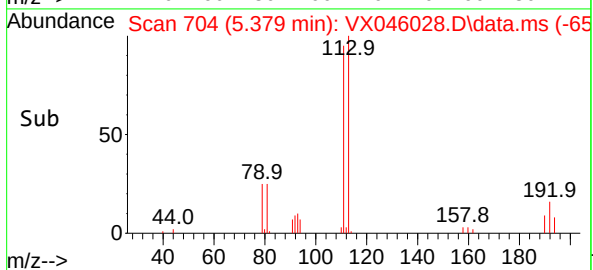
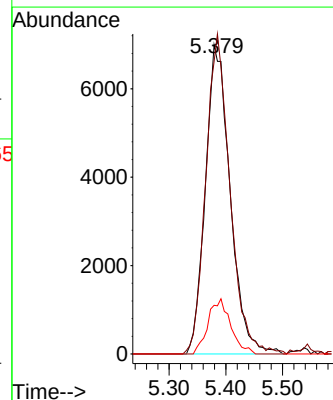
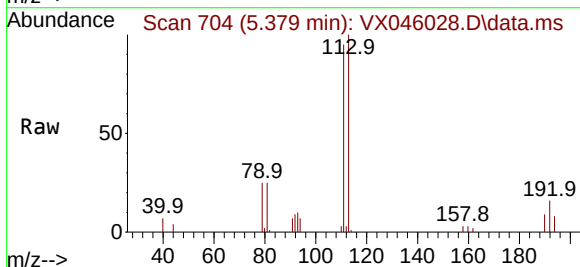
Tgt Ion:113 Resp: 21234

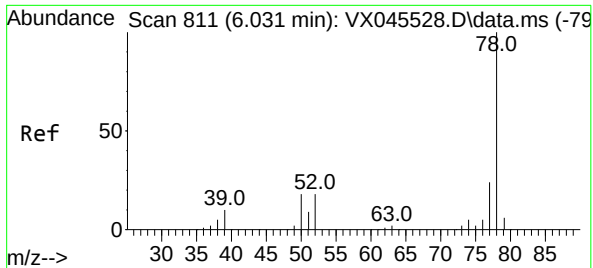
Ion Ratio Lower Upper

113 100

111 101.0 81.8 122.6

192 16.2 13.8 20.6

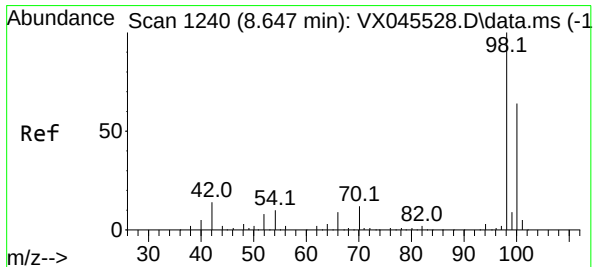
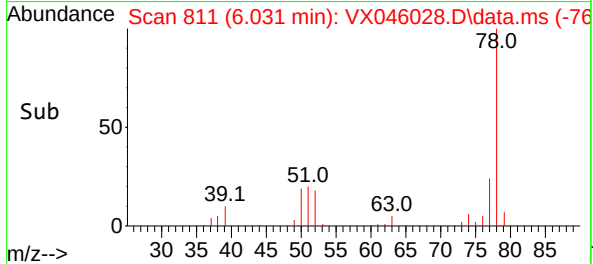
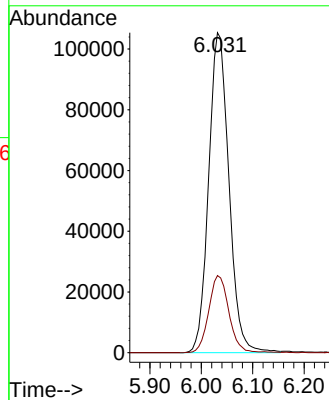
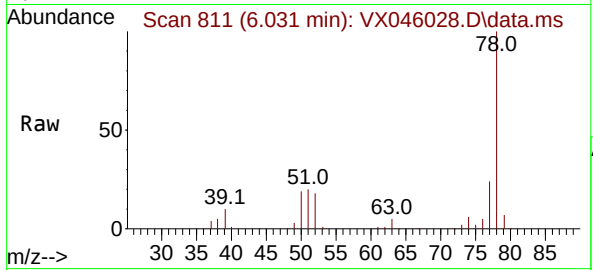




#40
Benzene
Concen: 77.053 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046028.D
Acq: 02 May 2025 15:25

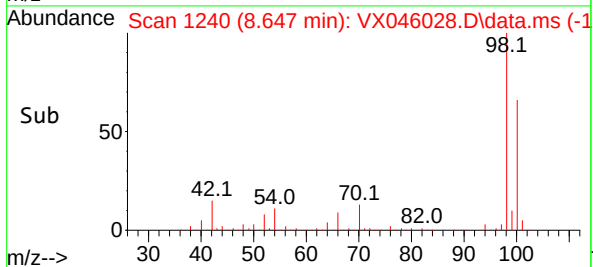
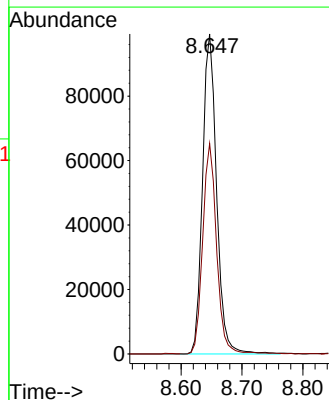
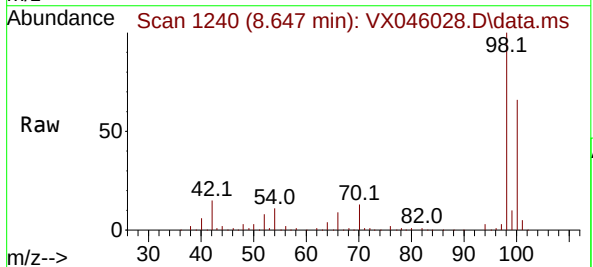
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-03-G

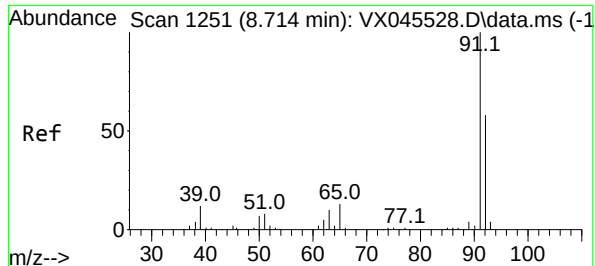
Tgt Ion: 78 Resp: 288735
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6



#50
Toluene-d8
Concen: 50.255 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046028.D
Acq: 02 May 2025 15:25

Tgt Ion: 98 Resp: 159398
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4





#52

Toluene

Concen: 26.993 ug/l

RT: 8.714 min Scan# 113

Delta R.T. 0.000 min

Lab File: VX046028.D

Acq: 02 May 2025 15:25

Instrument :

MSVOA_X

ClientSampleId :

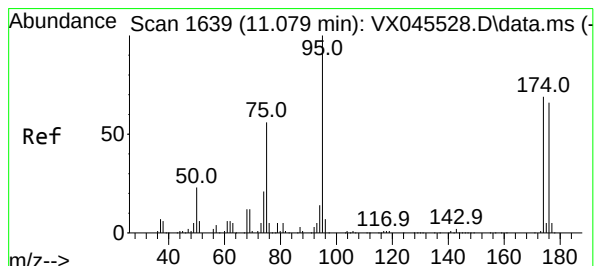
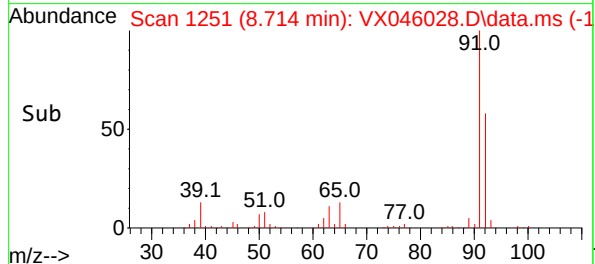
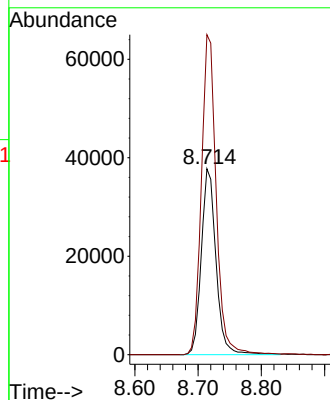
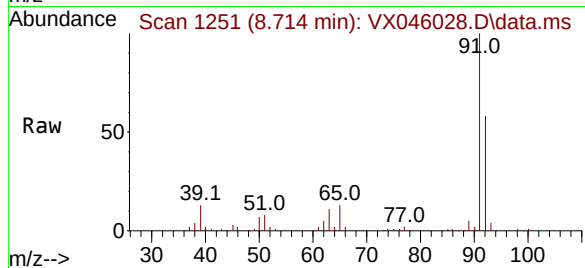
WC-A1-03-G

Tgt Ion: 92 Resp: 61205

Ion Ratio Lower Upper

92 100

91 173.1 138.7 208.1



#62

4-Bromofluorobenzene

Concen: 55.386 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046028.D

Acq: 02 May 2025 15:25

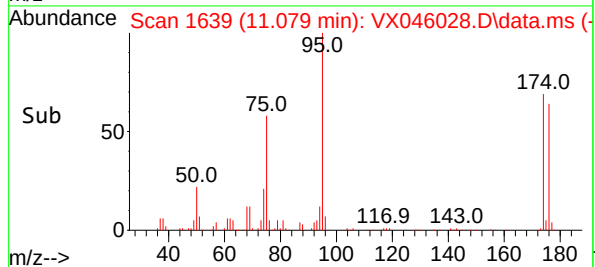
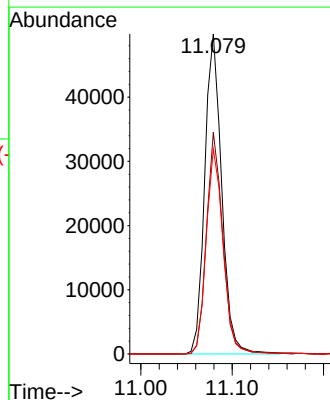
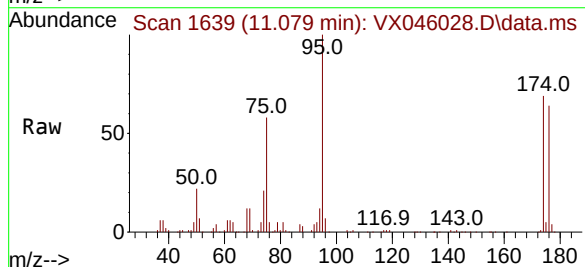
Tgt Ion: 95 Resp: 63988

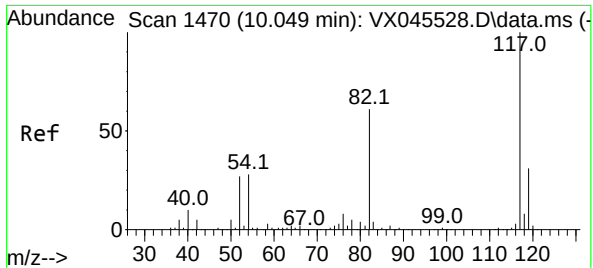
Ion Ratio Lower Upper

95 100

174 66.8 0.0 135.8

176 64.1 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX046028.D

Acq: 02 May 2025 15:25

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-03-G

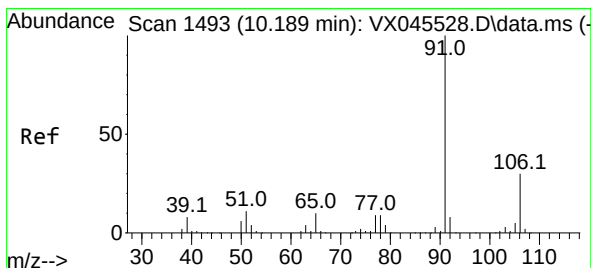
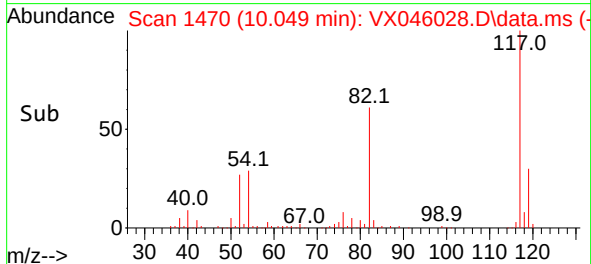
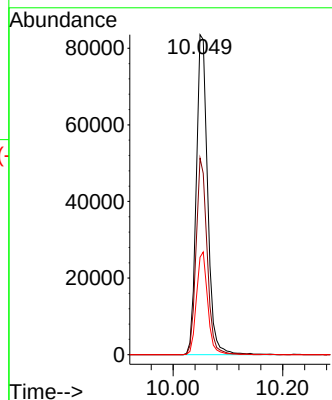
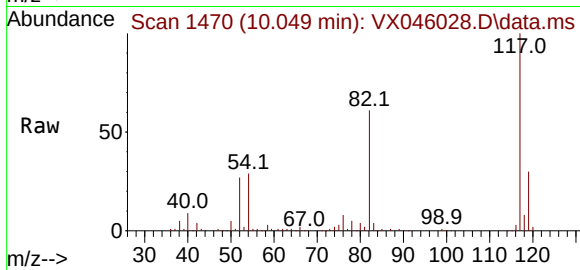
Tgt Ion:117 Resp: 120951

Ion Ratio Lower Upper

117 100

82 61.4 49.2 73.8

119 30.5 25.1 37.7



#67

Ethyl Benzene

Concen: 65.123 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX046028.D

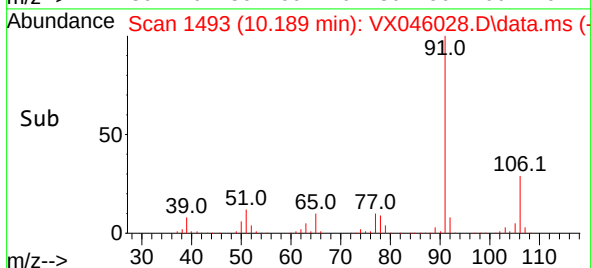
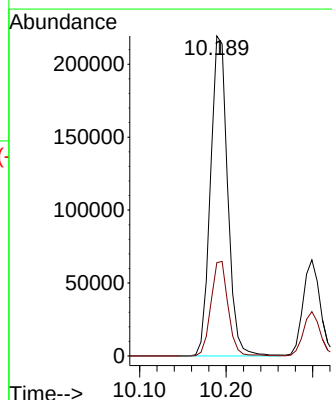
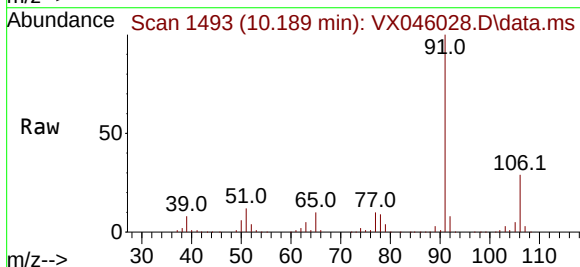
Acq: 02 May 2025 15:25

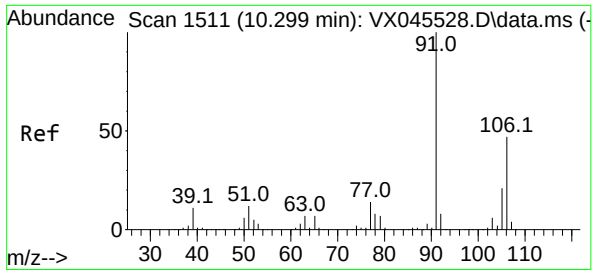
Tgt Ion: 91 Resp: 301449

Ion Ratio Lower Upper

91 100

106 29.1 23.7 35.5

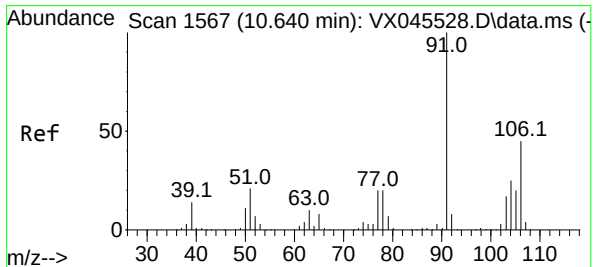
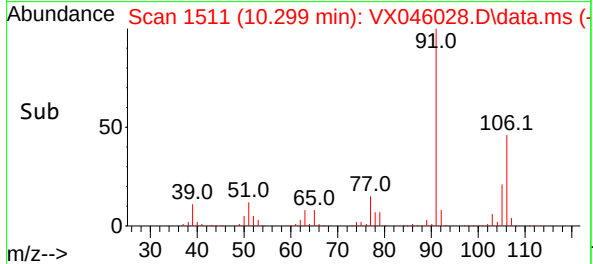
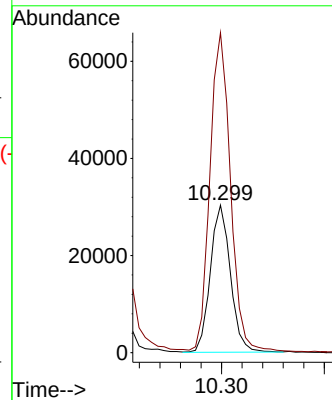
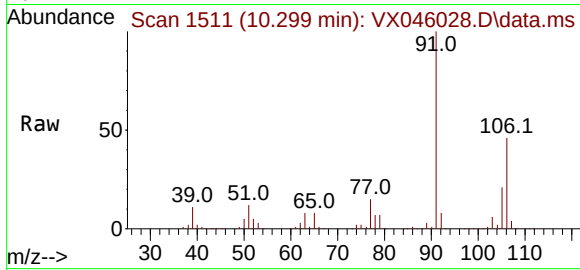




#68
m/p-Xylenes
Concen: 24.447 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046028.D
Acq: 02 May 2025 15:25

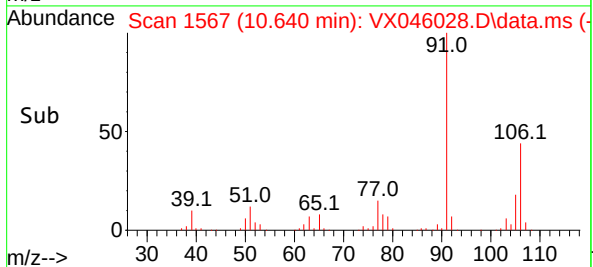
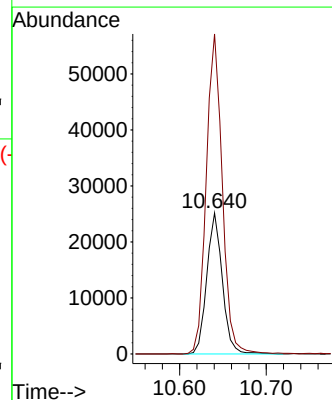
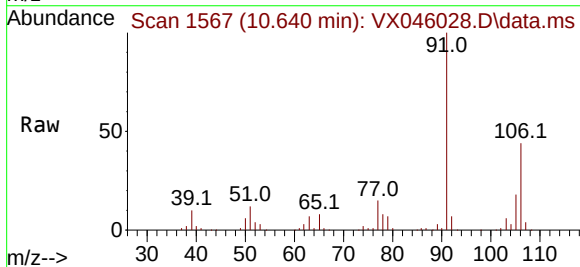
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-03-G

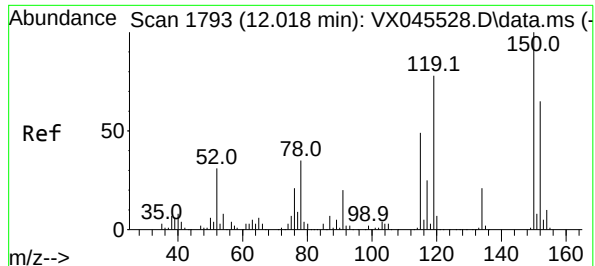
Tgt Ion:106 Resp: 41158
Ion Ratio Lower Upper
106 100
91 226.9 172.6 258.8



#69
o-Xylene
Concen: 18.930 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046028.D
Acq: 02 May 2025 15:25

Tgt Ion:106 Resp: 31395
Ion Ratio Lower Upper
106 100
91 234.5 113.6 340.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046028.D

Acq: 02 May 2025 15:25

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-03-G

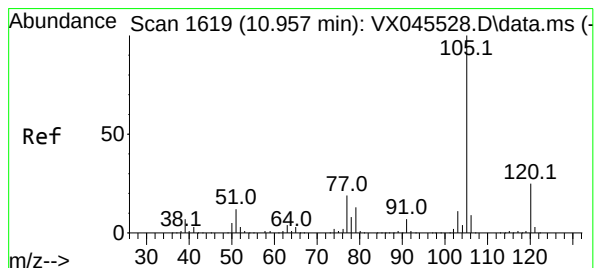
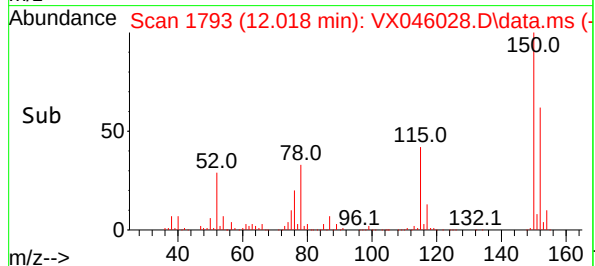
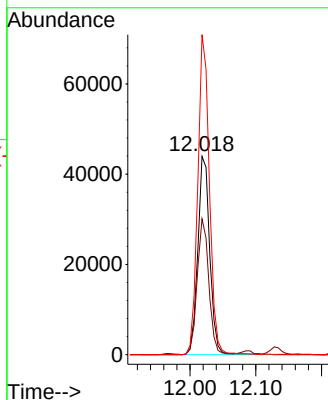
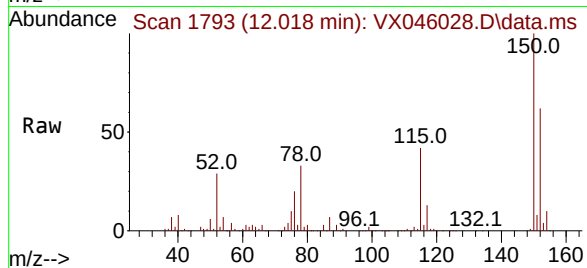
Tgt Ion:152 Resp: 55534

Ion Ratio Lower Upper

152 100

115 66.7 46.9 140.7

150 157.0 0.0 349.4



#73

Isopropylbenzene

Concen: 3.409 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX046028.D

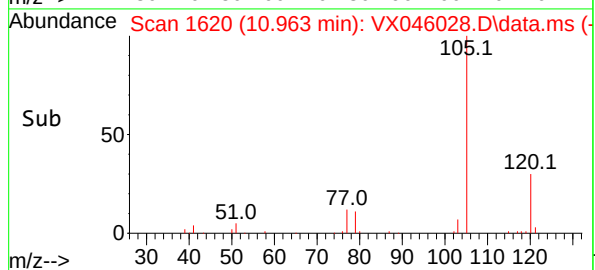
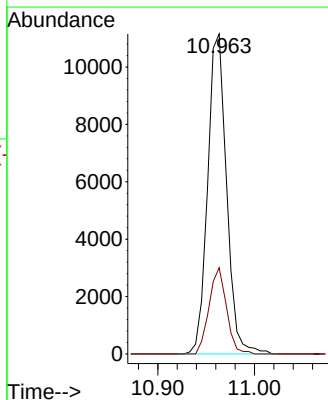
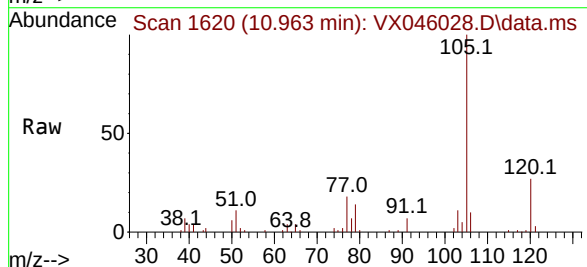
Acq: 02 May 2025 15:25

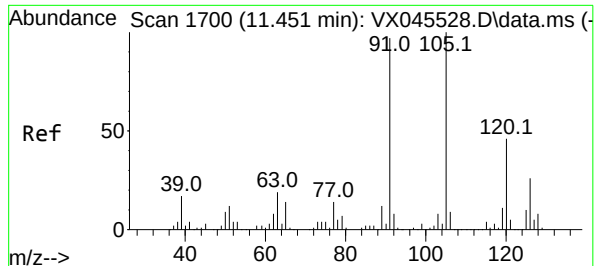
Tgt Ion:105 Resp: 15165

Ion Ratio Lower Upper

105 100

120 24.8 12.7 38.0





#80

1,3,5-Trimethylbenzene

Concen: 3.375 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX046028.D

Acq: 02 May 2025 15:25

Instrument :

MSVOA_X

ClientSampleId :

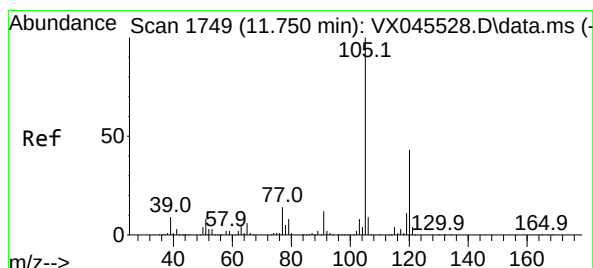
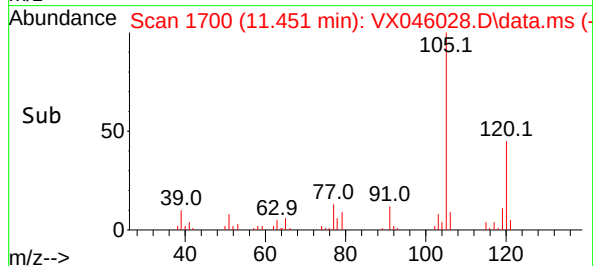
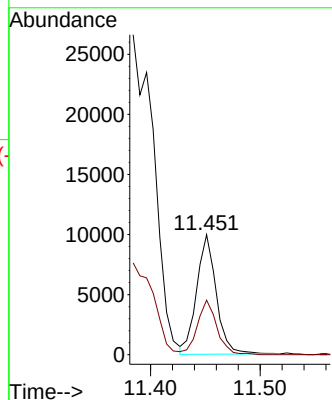
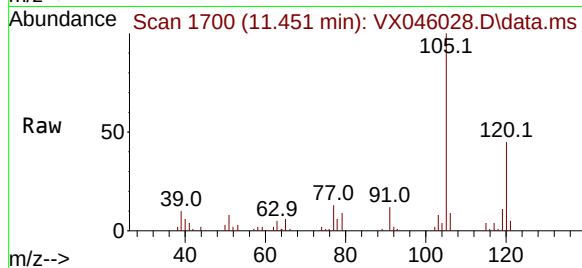
WC-A1-03-G

Tgt Ion:105 Resp: 12415

Ion Ratio Lower Upper

105 100

120 45.1 23.0 69.0



#84

1,2,4-Trimethylbenzene

Concen: 11.708 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX046028.D

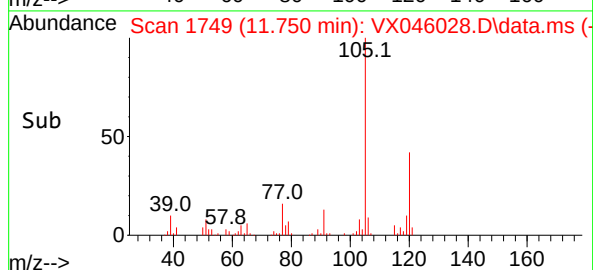
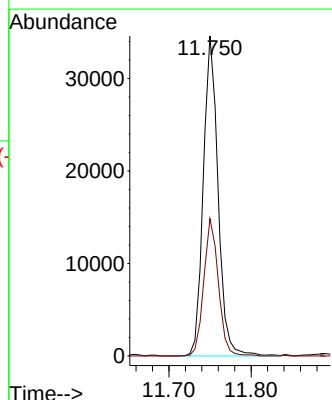
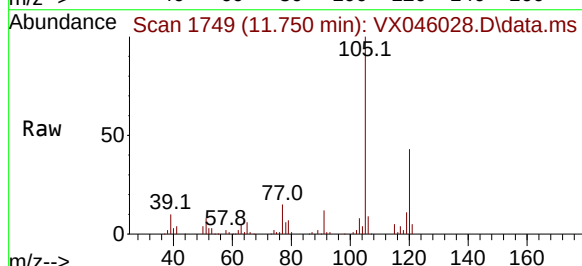
Acq: 02 May 2025 15:25

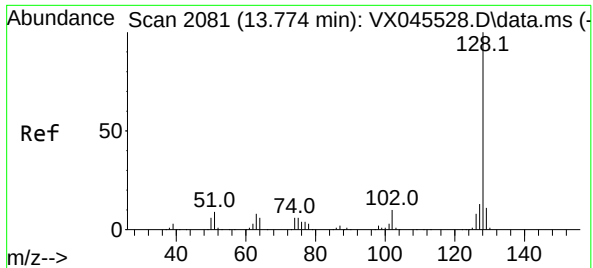
Tgt Ion:105 Resp: 43225

Ion Ratio Lower Upper

105 100

120 42.5 21.4 64.3





#95

Naphthalene

Concen: 754.598 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX046028.D

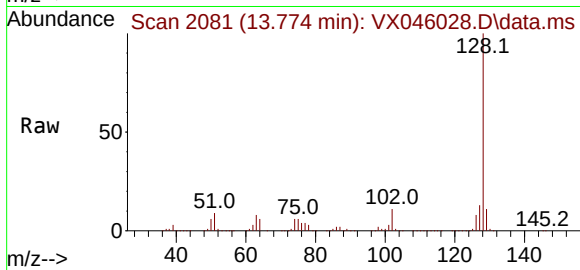
Acq: 02 May 2025 15:25

Instrument :

MSVOA_X

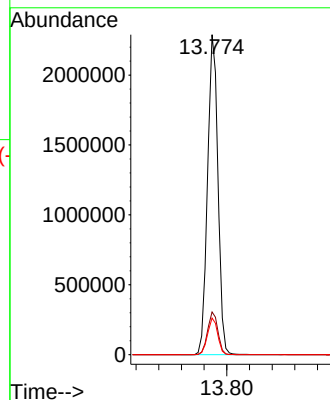
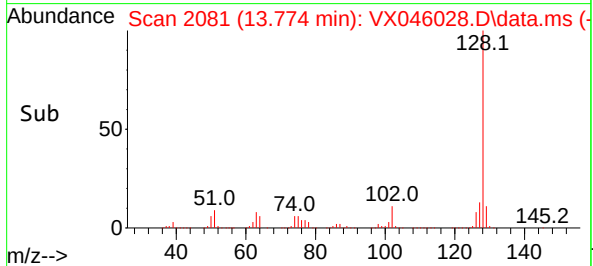
ClientSampleId :

WC-A1-03-G



Tgt Ion:128 Resp: 2907493

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	11.2	8.6	12.8



Report of Analysis

Client:	ENTACT	Date Collected:	04/30/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/01/25
Client Sample ID:	WC-A1-03-GRE	SDG No.:	Q1929
Lab Sample ID:	Q1929-05RE	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086489.D	1		05/05/25 16:25	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	60.3		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	10.9	*	70 (75) - 130 (124)	22%	SPK: 50
2037-26-5	Toluene-d8	51.8		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5		70 (77) - 130 (121)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	146000	8.224			
540-36-3	1,4-Difluorobenzene	281000	9.1			
3114-55-4	Chlorobenzene-d5	276000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	128000	13.788			

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_N\Data\VN050525\
 Data File : VN086489.D
 Acq On : 05 May 2025 16:25
 Operator : JC\MD
 Sample : Q1929-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A1-03-GRE

Quant Time: May 06 01:45:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

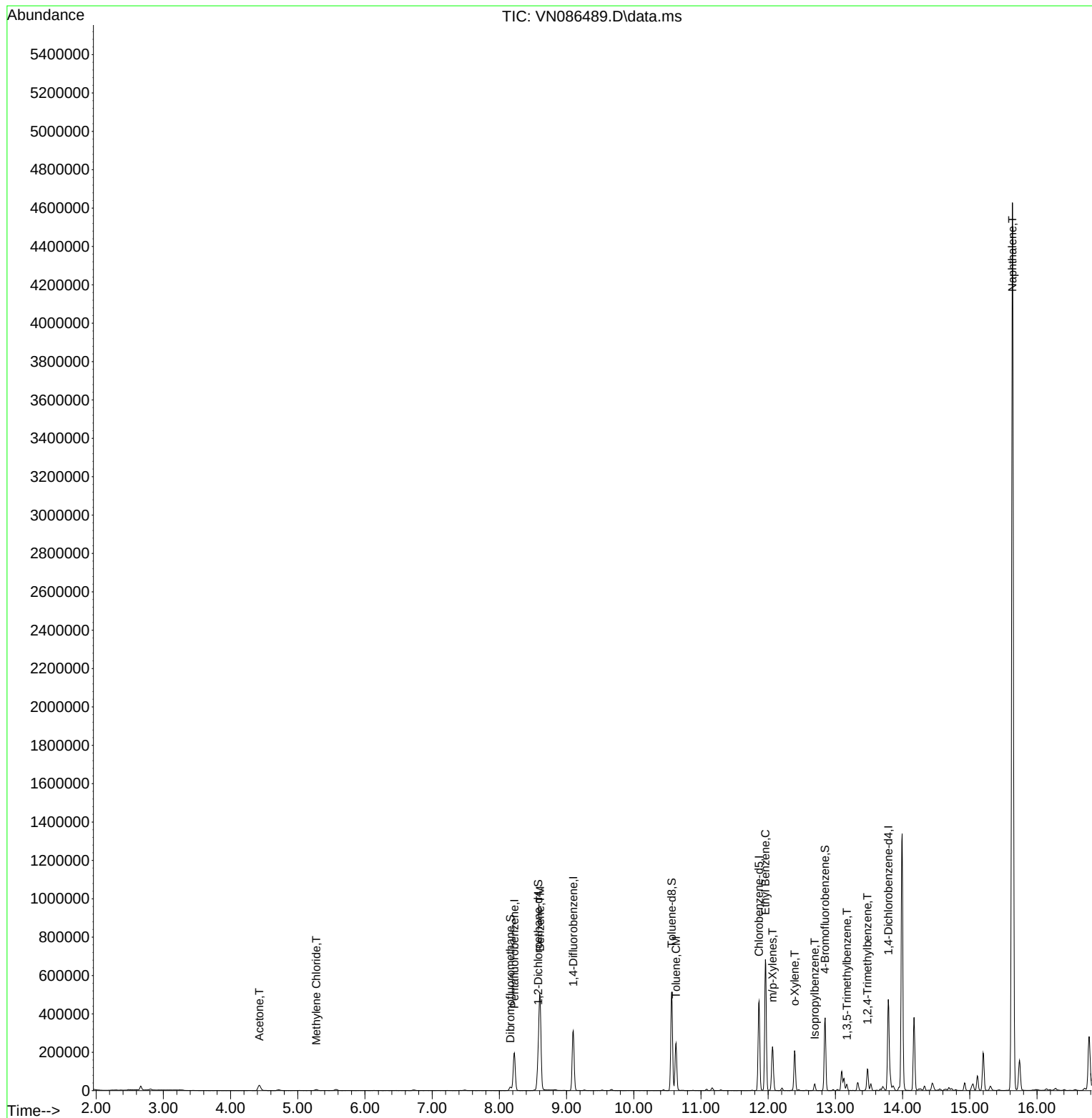
Internal Standards						
1) Pentafluorobenzene	8.224	168	145576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	280881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	103976	49.255	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.500%		
35) Dibromofluoromethane	8.165	113	14185	10.881	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	21.760%#		
50) Toluene-d8	10.565	98	360940	51.806	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.620%		
62) 4-Bromofluorobenzene	12.847	95	135898	53.478	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.960%		
Target Compounds					Qvalue	
16) Acetone	4.430	43	53847	69.661	ug/l	97
20) Methylene Chloride	5.277	84	4408	2.259	ug/l	89
40) Benzene	8.606	78	502863	60.279	ug/l	98
52) Toluene	10.629	92	108983	20.937	ug/l	98
67) Ethyl Benzene	11.959	91	510497	45.991	ug/l	98
68) m/p-Xylenes	12.065	106	74326	17.870	ug/l	99
69) o-Xylene	12.394	106	57102	13.883	ug/l	98
73) Isopropylbenzene	12.694	105	23662	2.268	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	16965	1.986	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	66731	7.676	ug/l	99
95) Naphthalene	15.635	128	4235593	592.170	ug/l	100

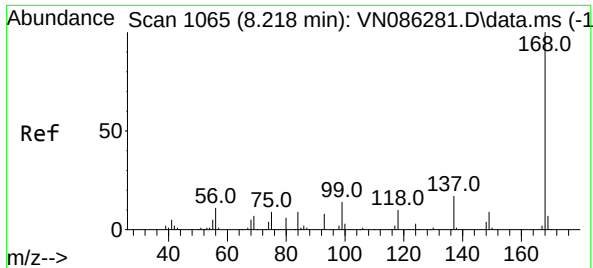
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086489.D
Acq On : 05 May 2025 16:25
Operator : JC\MD
Sample : Q1929-05RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A1-03-GRE

Quant Time: May 06 01:45:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

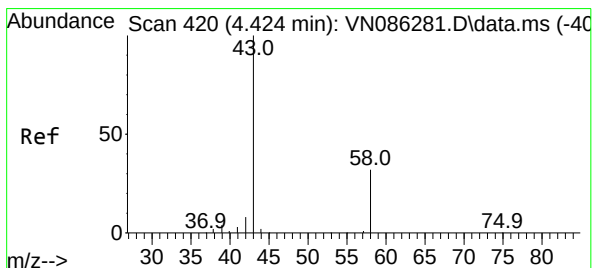
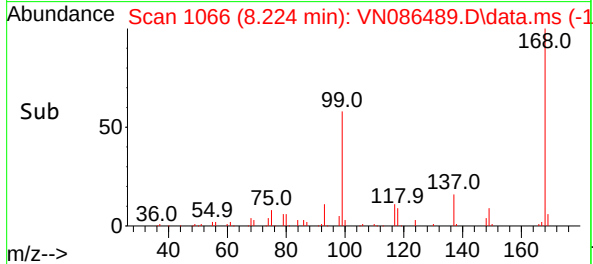
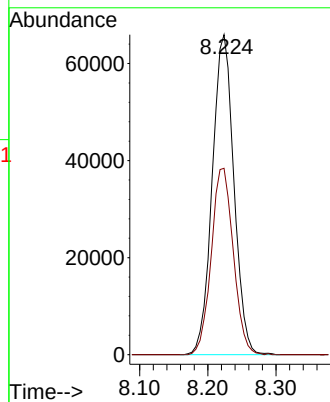
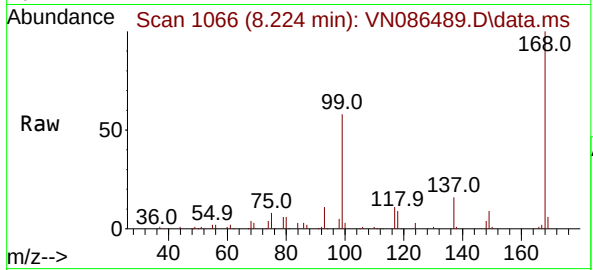




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

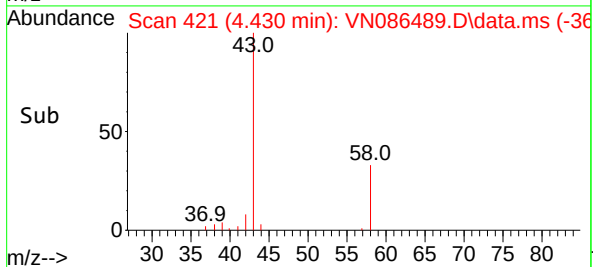
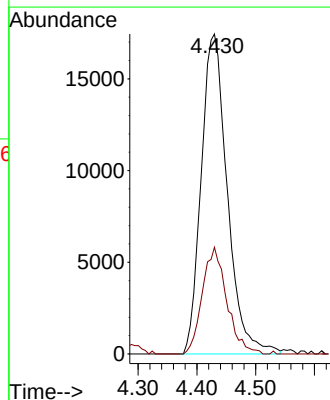
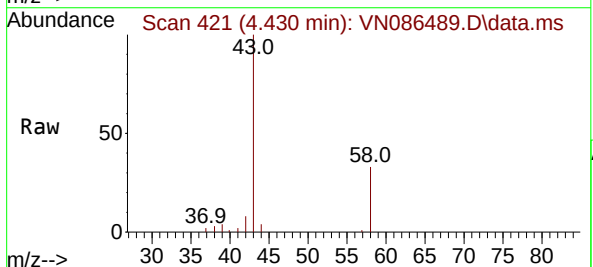
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-03-GRE

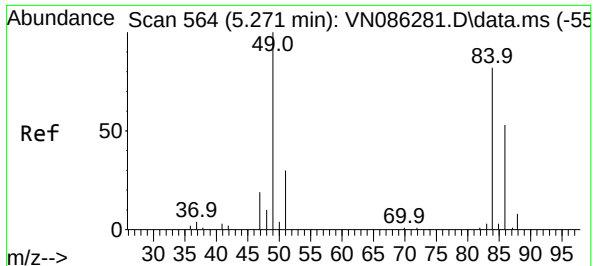
Tgt Ion:168 Resp: 145576
Ion Ratio Lower Upper
168 100
99 58.2 52.5 78.7



#16
Acetone
Concen: 69.661 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

Tgt Ion: 43 Resp: 53847
Ion Ratio Lower Upper
43 100
58 33.4 25.3 37.9



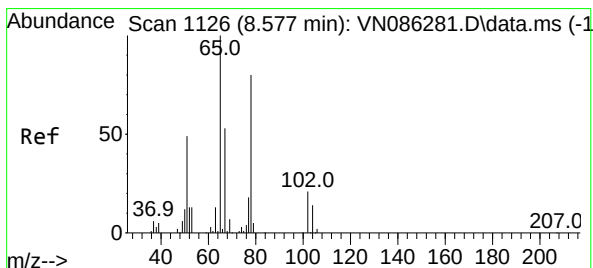
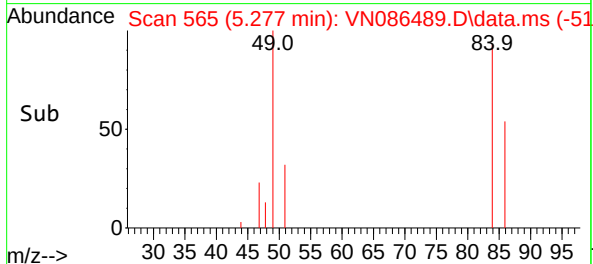
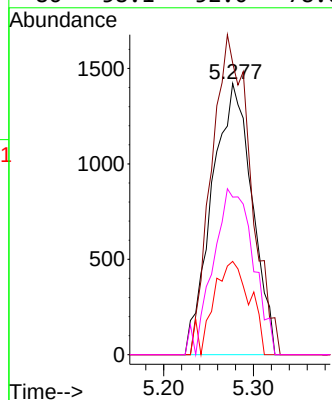
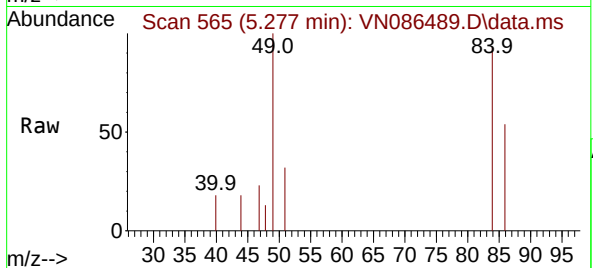


#20
Methylene Chloride
Concen: 2.259 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

Instrument :
MSVOA_N
ClientSampleId :
WC-A1-03-GRE

Tgt Ion: 84 Resp: 4408

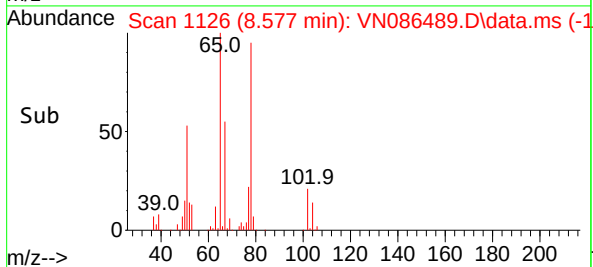
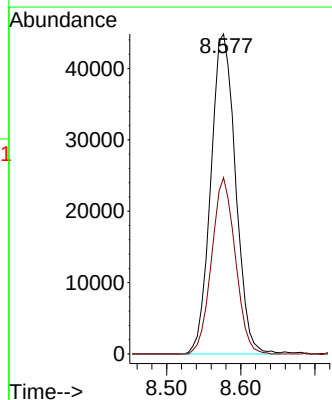
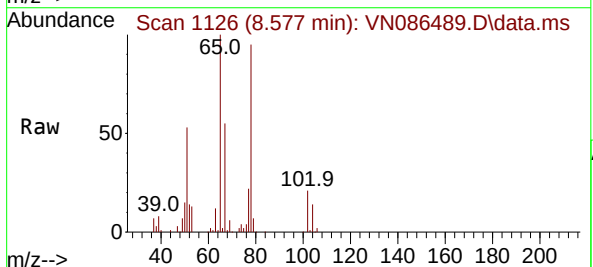
Ion	Ratio	Lower	Upper
84	100		
49	107.6	98.2	147.2
51	34.4	29.8	44.6
86	58.1	52.0	78.0

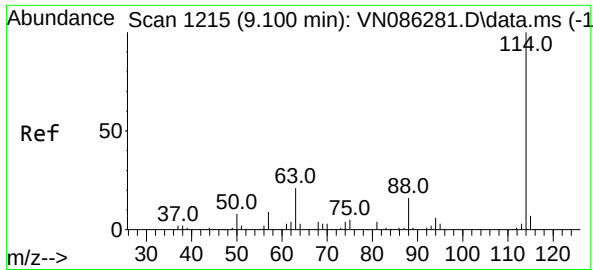


#33
1,2-Dichloroethane-d4
Concen: 49.255 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

Tgt Ion: 65 Resp: 103976

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086489.D

Acq: 05 May 2025 16:25

Instrument :

MSVOA_N

ClientSampleId :

WC-A1-03-GRE

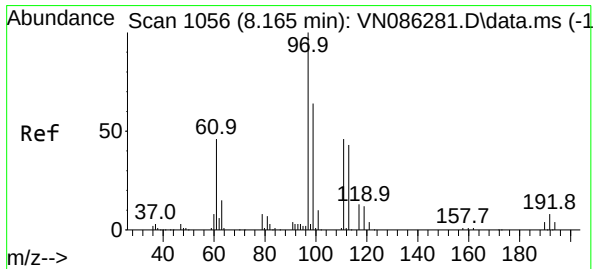
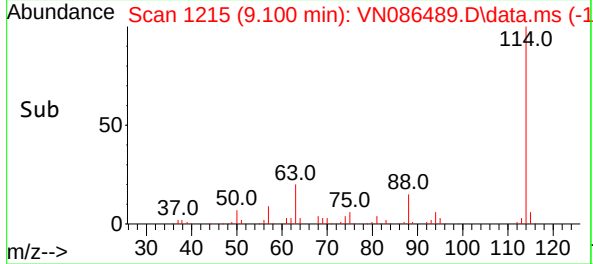
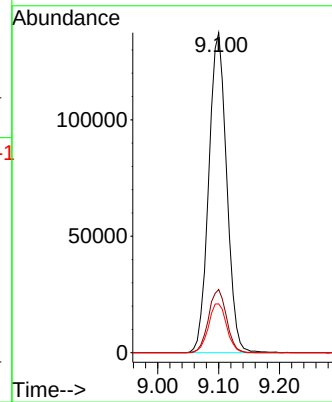
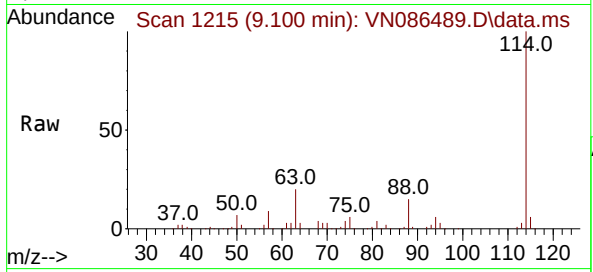
Tgt Ion:114 Resp: 280881

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 10.881 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086489.D

Acq: 05 May 2025 16:25

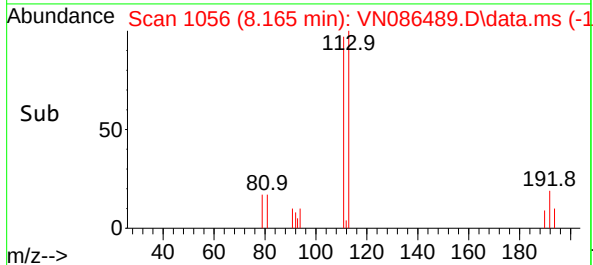
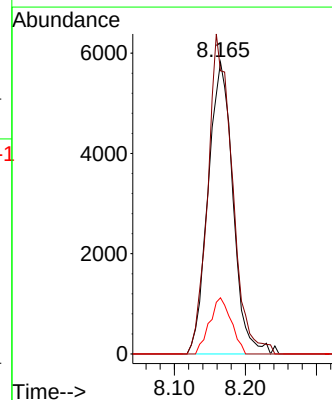
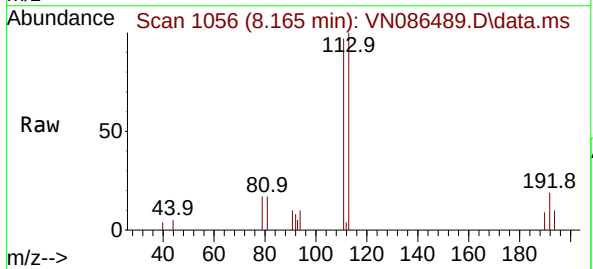
Tgt Ion:113 Resp: 14185

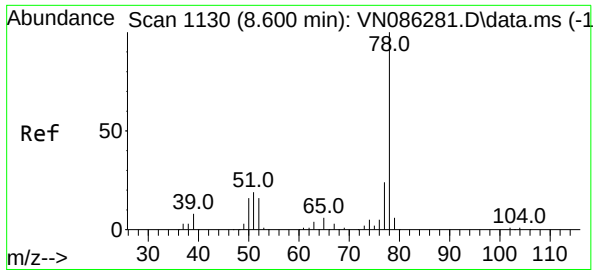
Ion Ratio Lower Upper

113 100

111 107.5 83.4 125.0

192 16.7 13.7 20.5

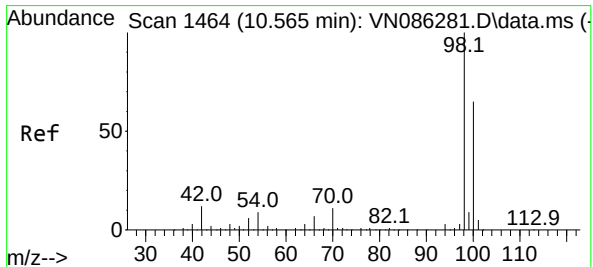
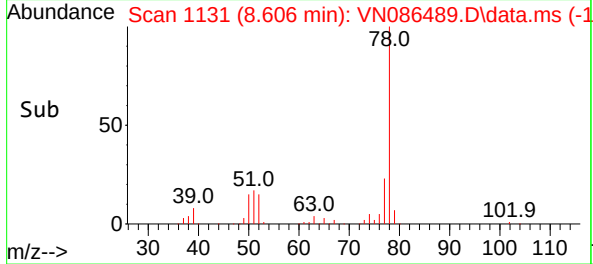
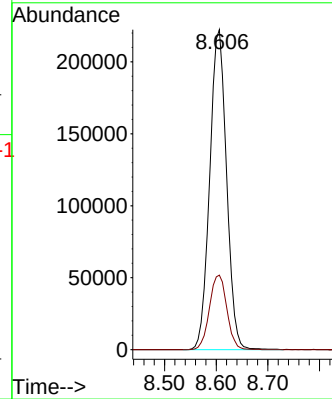
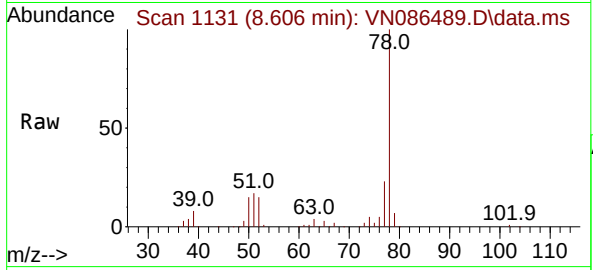




#40
Benzene
Concen: 60.279 ug/l
RT: 8.606 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

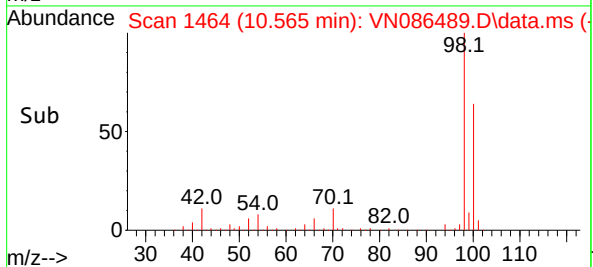
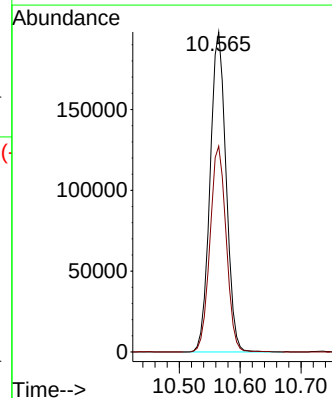
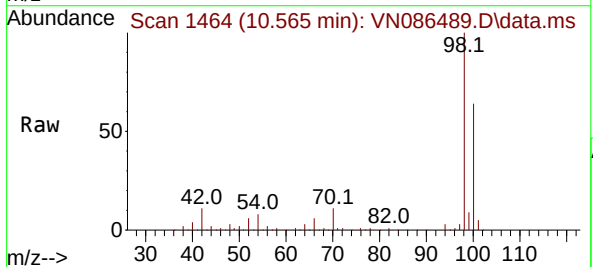
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-03-GRE

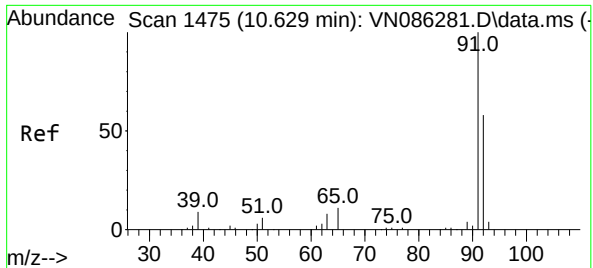
Tgt Ion: 78 Resp: 502863
Ion Ratio Lower Upper
78 100
77 23.3 19.4 29.2



#50
Toluene-d8
Concen: 51.806 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

Tgt Ion: 98 Resp: 360940
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

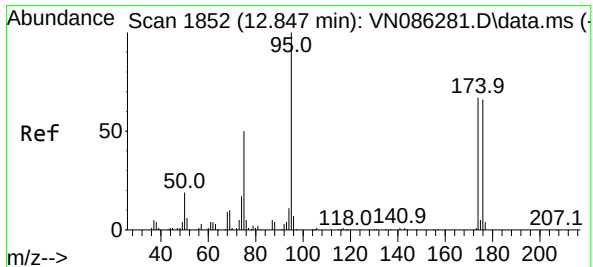
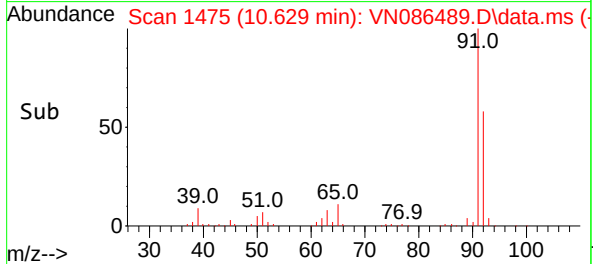
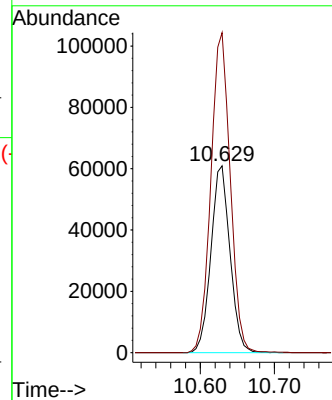
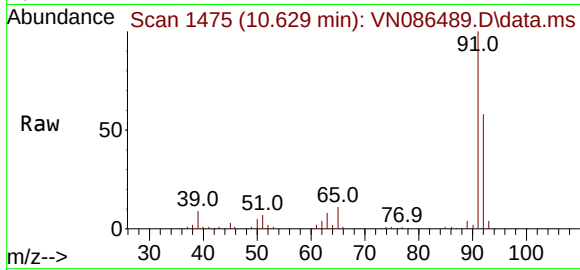




#52
Toluene
Concen: 20.937 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

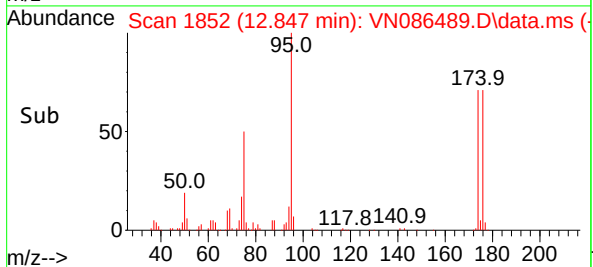
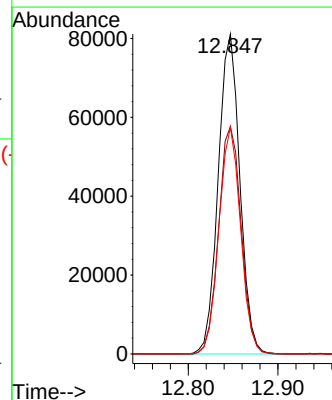
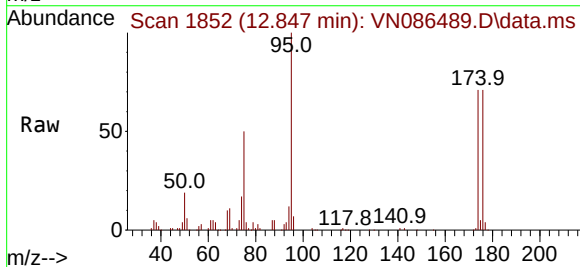
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WC-A1-03-GRE

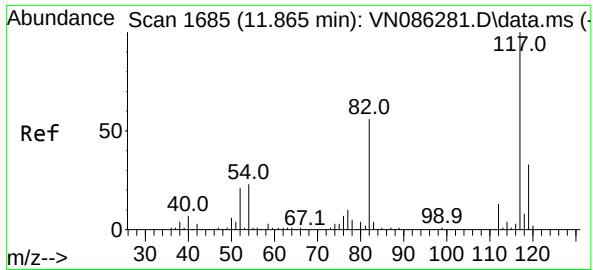
Tgt Ion: 92 Resp: 108983
Ion Ratio Lower Upper
92 100
91 173.9 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 53.478 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

Tgt Ion: 95 Resp: 135898
Ion Ratio Lower Upper
95 100
174 74.0 0.0 133.4
176 70.7 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086489.D

Acq: 05 May 2025 16:25

Instrument :

MSVOA_N

ClientSampleId :

WC-A1-03-GRE

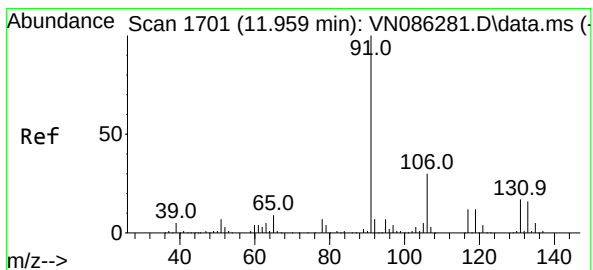
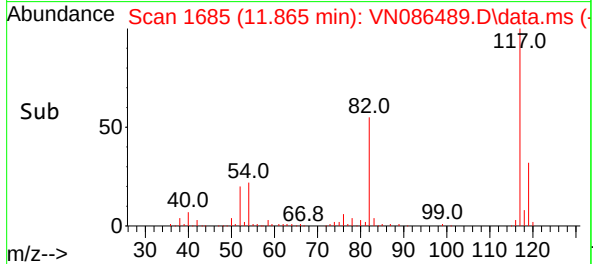
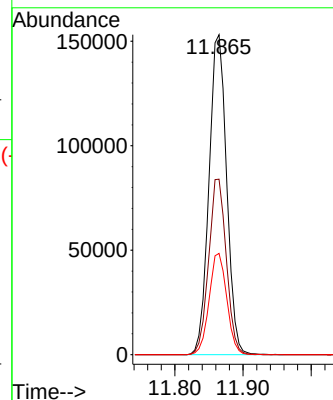
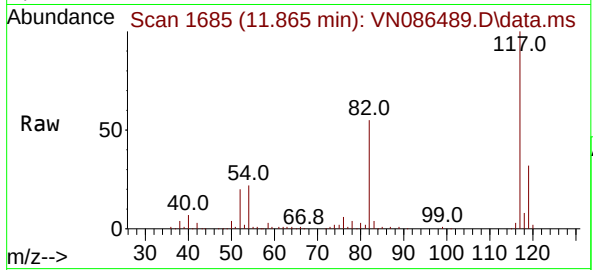
Tgt Ion:117 Resp: 275635

Ion Ratio Lower Upper

117 100

82 54.9 44.7 67.1

119 31.7 26.4 39.6



#67

Ethyl Benzene

Concen: 45.991 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086489.D

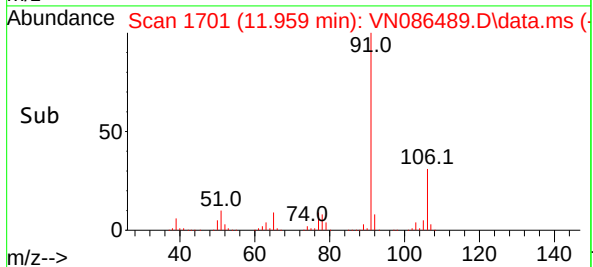
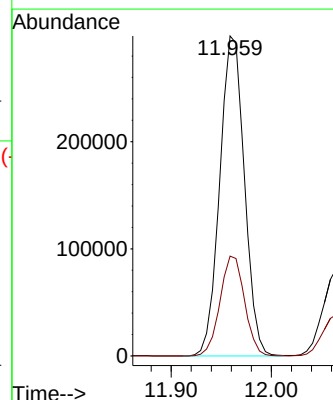
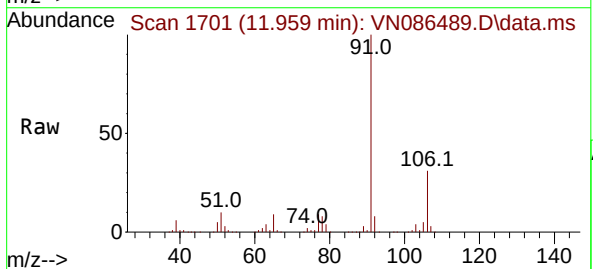
Acq: 05 May 2025 16:25

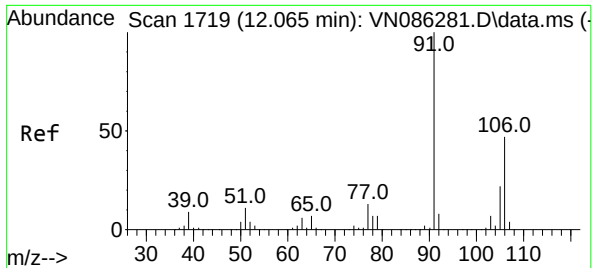
Tgt Ion: 91 Resp: 510497

Ion Ratio Lower Upper

91 100

106 31.2 24.3 36.5

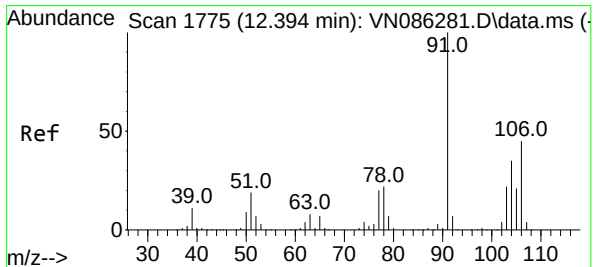
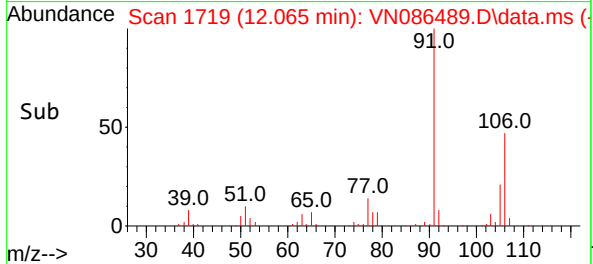
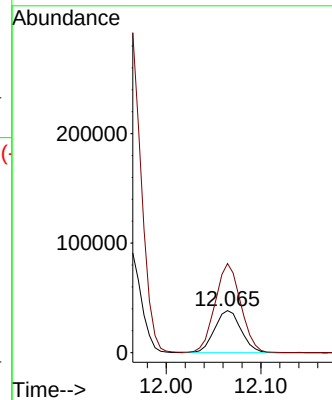
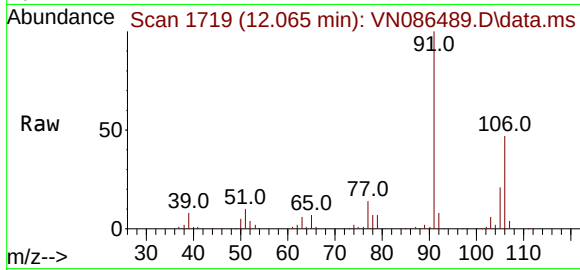




#68
m/p-Xylenes
Concen: 17.870 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

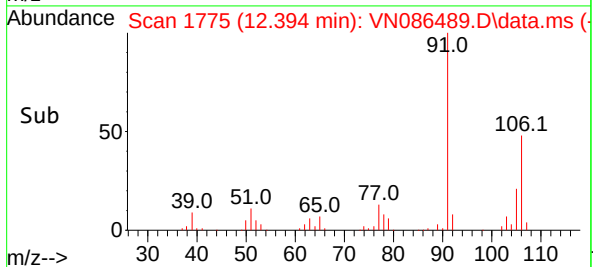
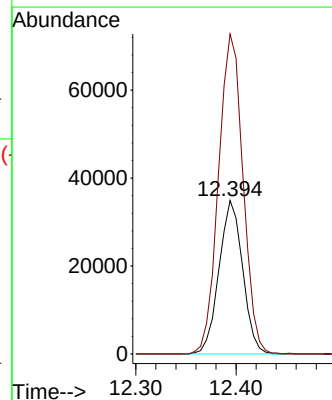
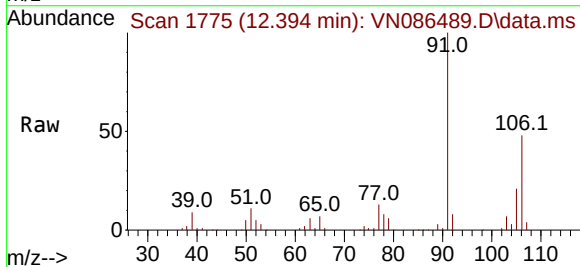
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-03-GRE

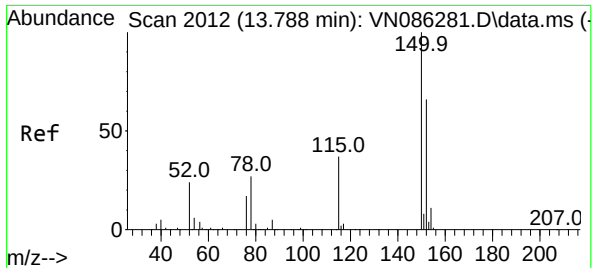
Tgt Ion:106 Resp: 74326
Ion Ratio Lower Upper
106 100
91 206.7 166.5 249.7



#69
o-Xylene
Concen: 13.883 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

Tgt Ion:106 Resp: 57102
Ion Ratio Lower Upper
106 100
91 216.3 109.7 329.0

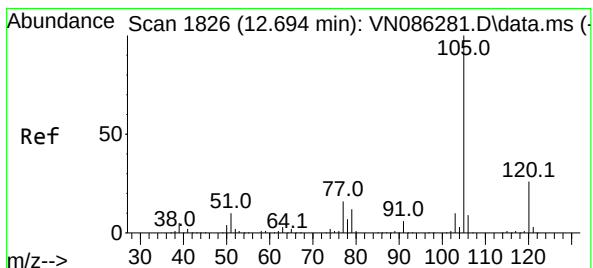
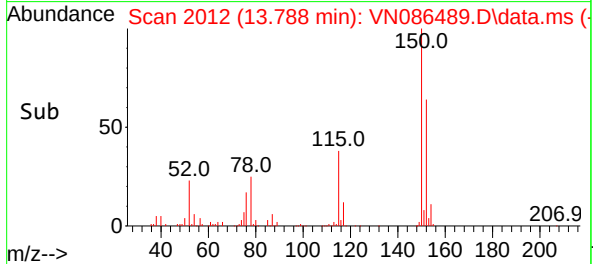
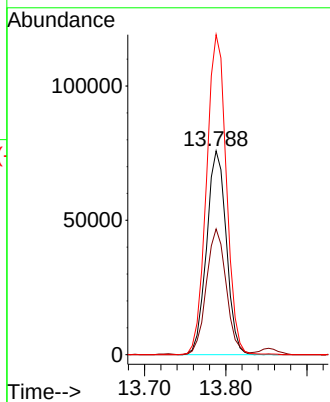
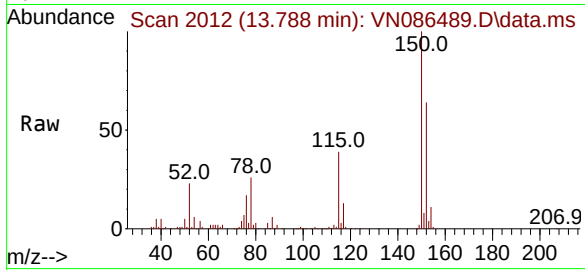




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

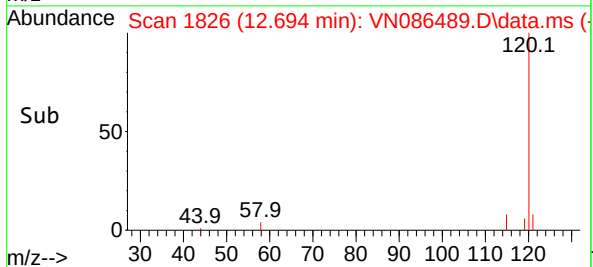
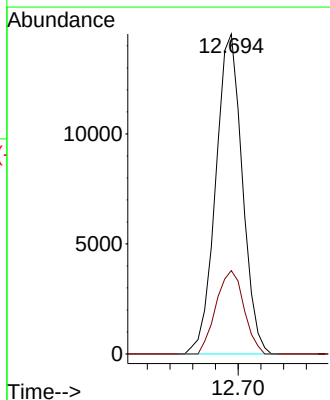
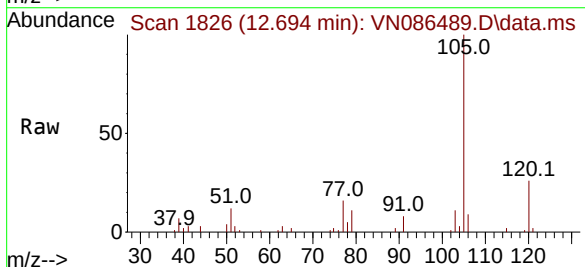
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-03-GRE

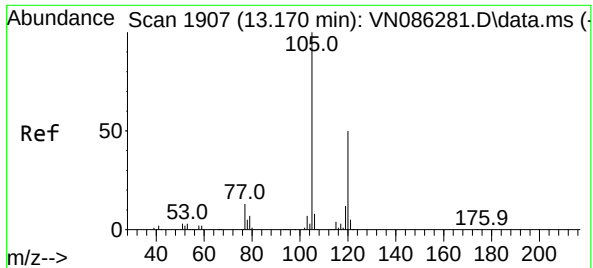
Tgt Ion:152 Resp: 127559
Ion Ratio Lower Upper
152 100
115 62.6 31.9 95.9
150 158.4 0.0 352.0



#73
Isopropylbenzene
Concen: 2.268 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

Tgt Ion:105 Resp: 23662
Ion Ratio Lower Upper
105 100
120 27.2 13.1 39.3

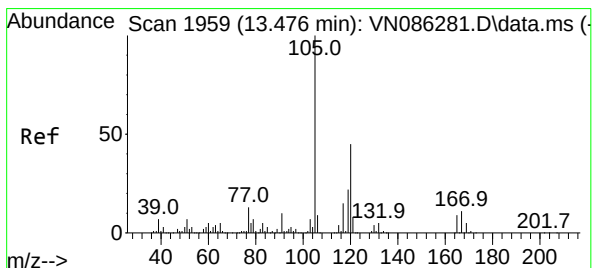
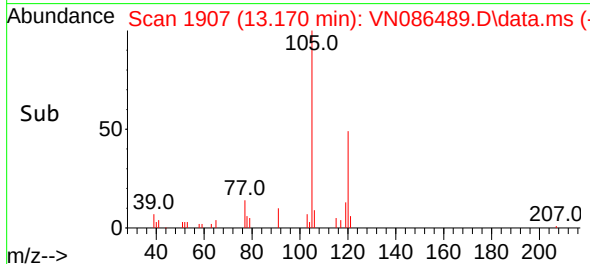
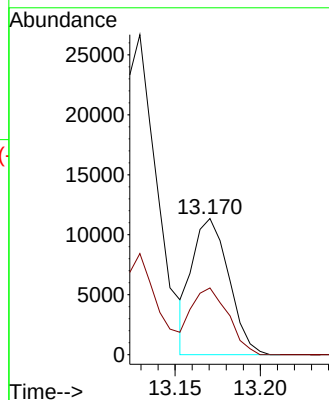
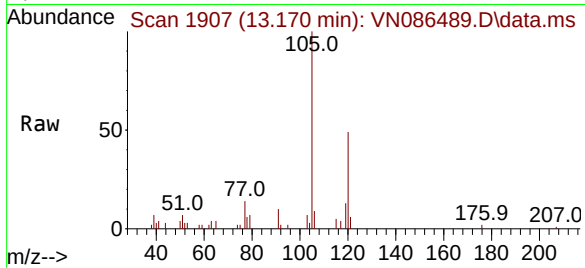




#80
1,3,5-Trimethylbenzene
Concen: 1.986 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

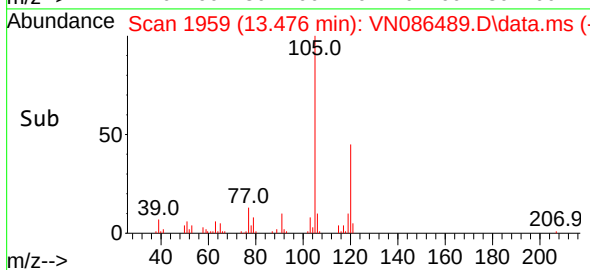
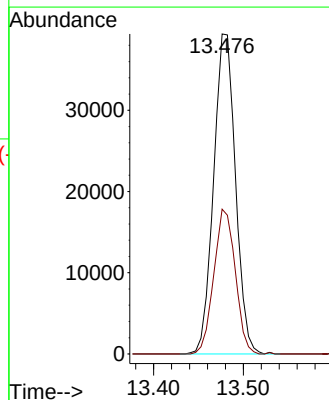
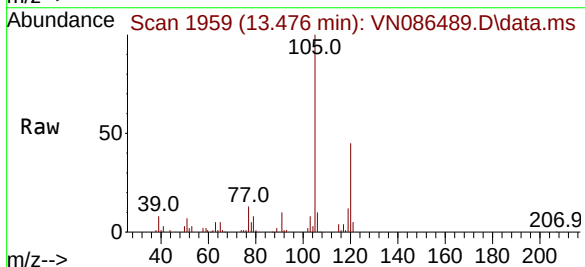
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-03-GRE

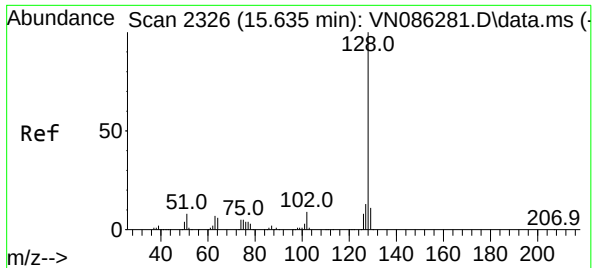
Tgt Ion:105 Resp: 16965
Ion Ratio Lower Upper
105 100
120 49.3 24.5 73.5



#84
1,2,4-Trimethylbenzene
Concen: 7.676 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

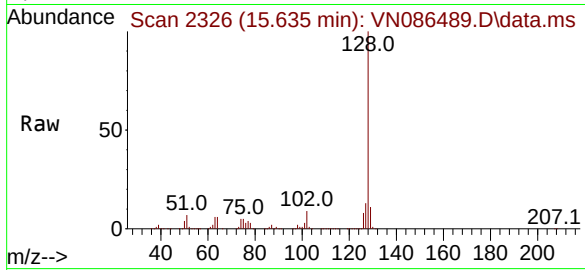
Tgt Ion:105 Resp: 66731
Ion Ratio Lower Upper
105 100
120 44.3 22.4 67.3



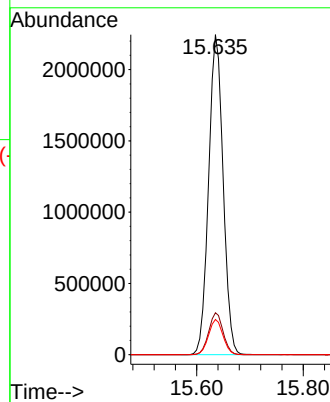
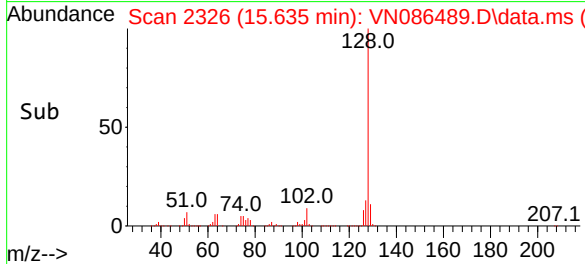


#95
Naphthalene
Concen: 592.170 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086489.D
Acq: 05 May 2025 16:25

Instrument :
MSVOA_N
ClientSampleId :
WC-A1-03-GRE



Tgt Ion:128 Resp: 4235593
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.9 8.6 13.0



Report of Analysis

Client:	ENTACT	Date Collected:	04/30/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/01/25
Client Sample ID:	WC-A1-04-G	SDG No.:	Q1929
Lab Sample ID:	Q1929-09	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046029.D	1		05/02/25 15:48	VX050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	8.80		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	36.6		70 (75) - 130 (124)	73%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.4		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	64500	5.544			
540-36-3	1,4-Difluorobenzene	125000	6.757			
3114-55-4	Chlorobenzene-d5	118000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	54300	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\VX050225\
 Data File : VX046029.D
 Acq On : 02 May 2025 15:48
 Operator : JC/MD
 Sample : Q1929-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A1-04-G

Quant Time: May 02 23:17:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

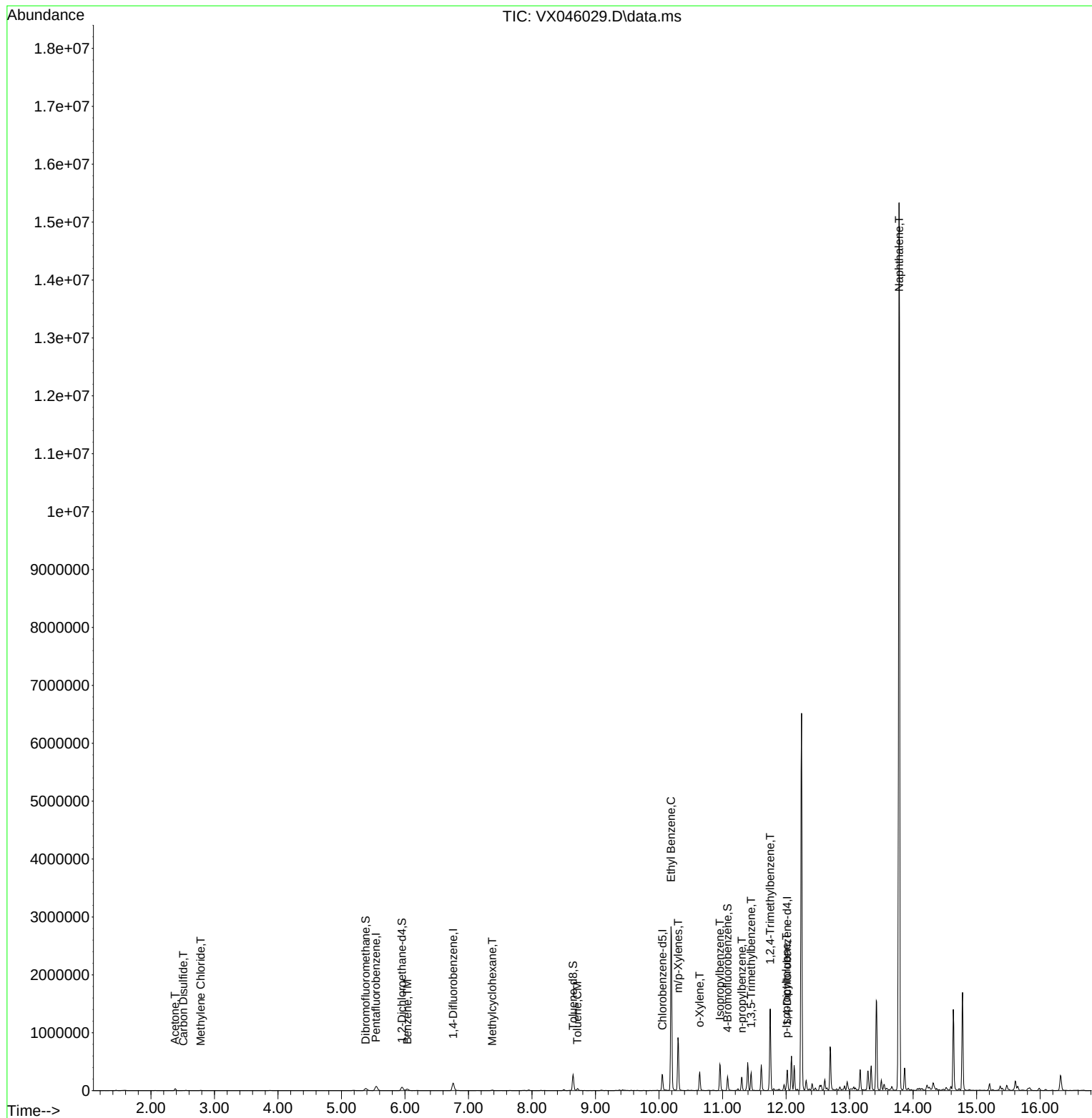
Internal Standards						
1) Pentafluorobenzene	5.544	168	64498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124983	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	118050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60277	51.104	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.200%			
35) Dibromofluoromethane	5.379	113	32420	36.560	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 73.120%#			
50) Toluene-d8	8.647	98	156803	50.661	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	62417	55.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.720%			
Target Compounds					Qvalue	
16) Acetone	2.380	43	35805	73.926	ug/l	90
17) Carbon Disulfide	2.508	76	2265	1.184	ug/l #	89
20) Methylene Chloride	2.782	84	2551	2.813	ug/l	86
39) Methylcyclohexane	7.373	83	3703	2.523	ug/l	92
40) Benzene	6.037	78	32250	8.820	ug/l	99
52) Toluene	8.714	92	13235	5.981	ug/l	97
67) Ethyl Benzene	10.189	91	1606319	355.547	ug/l	100
68) m/p-Xylenes	10.299	106	187602	114.169	ug/l	100
69) o-Xylene	10.640	106	62036	38.324	ug/l	98
73) Isopropylbenzene	10.957	105	226476	52.101	ug/l	99
78) n-propylbenzene	11.305	91	145323	29.025	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	125139	34.814	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	571128	158.308	ug/l	100
86) p-Isopropyltoluene	12.006	119	22009	6.108	ug/l #	71
95) Naphthalene	13.780	128	8768541	2328.882	ug/l	96

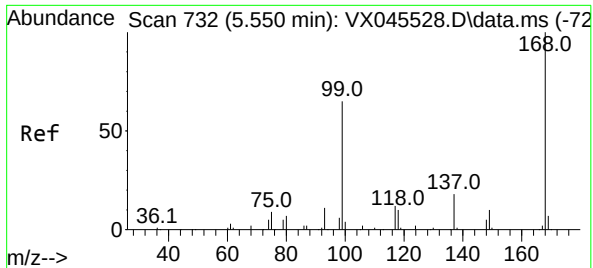
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046029.D
Acq On : 02 May 2025 15:48
Operator : JC/MD
Sample : Q1929-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A1-04-G

Quant Time: May 02 23:17:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

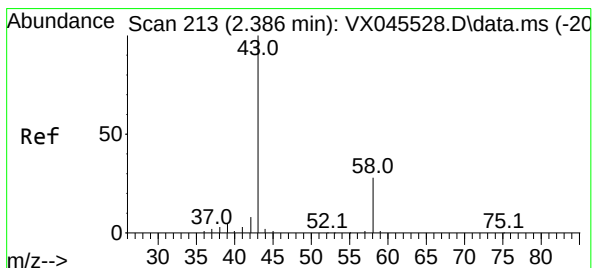
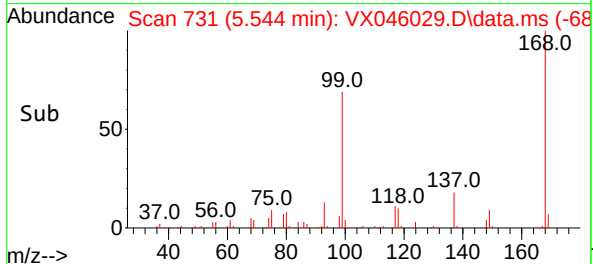
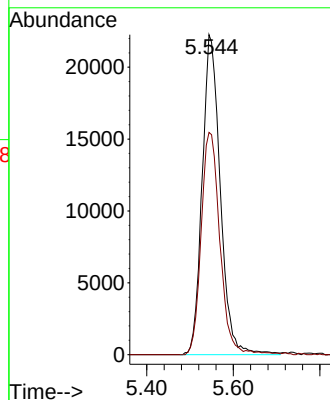
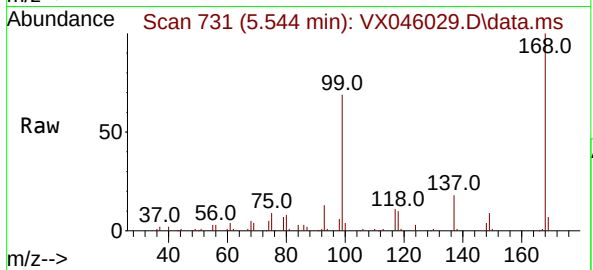
WC-A1-04-G

Tgt Ion:168 Resp: 64498

Ion Ratio Lower Upper

168 100

99 69.4 52.3 78.5



#16

Acetone

Concen: 73.926 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX046029.D

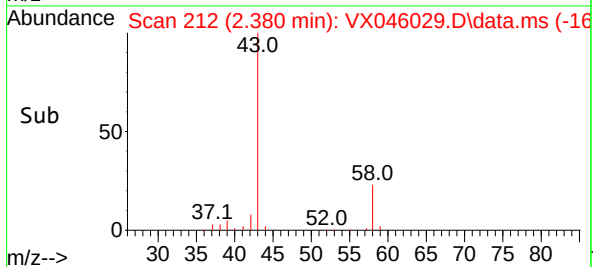
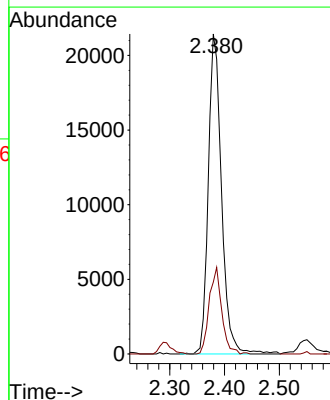
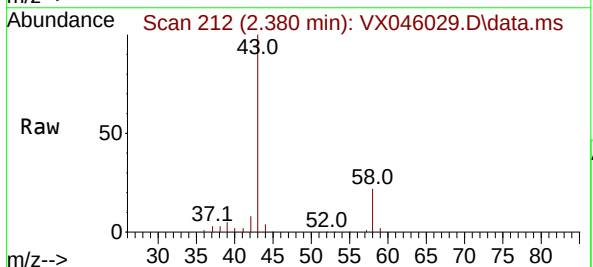
Acq: 02 May 2025 15:48

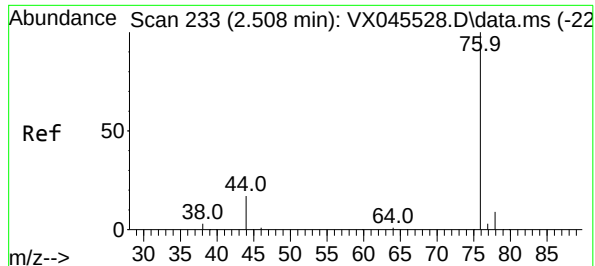
Tgt Ion: 43 Resp: 35805

Ion Ratio Lower Upper

43 100

58 22.5 22.3 33.5





#17

Carbon Disulfide

Concen: 1.184 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

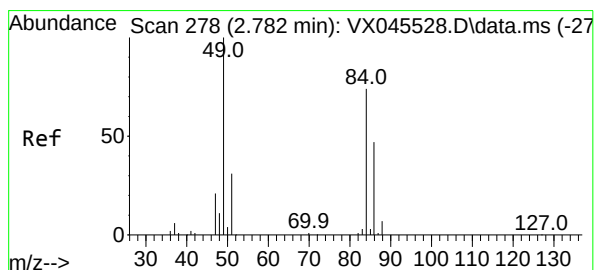
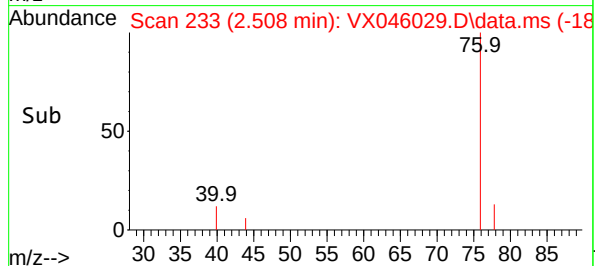
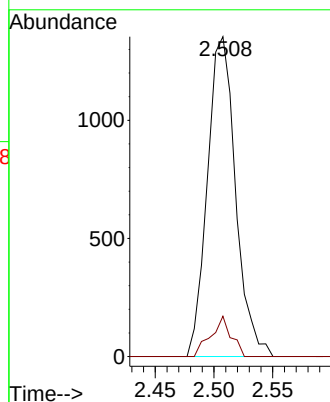
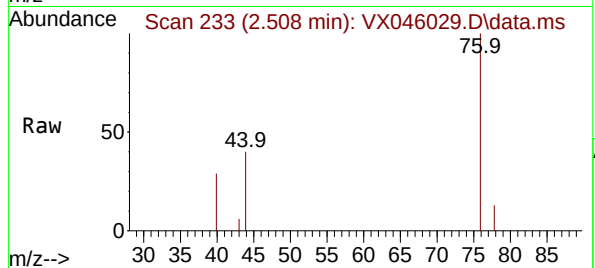
WC-A1-04-G

Tgt Ion: 76 Resp: 2265

Ion Ratio Lower Upper

76 100

78 12.6 7.0 10.6#



#20

Methylene Chloride

Concen: 2.813 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

Tgt Ion: 84 Resp: 2551

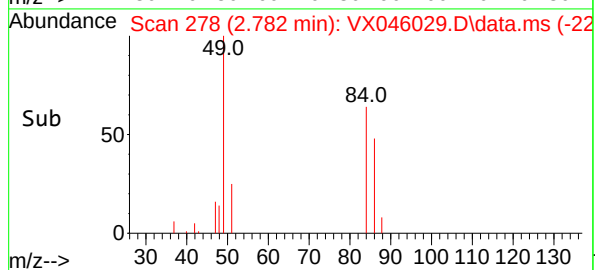
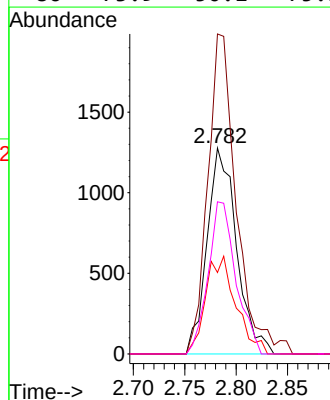
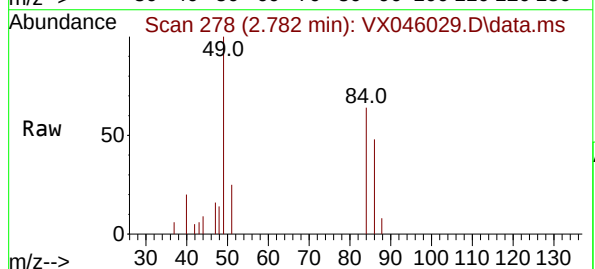
Ion Ratio Lower Upper

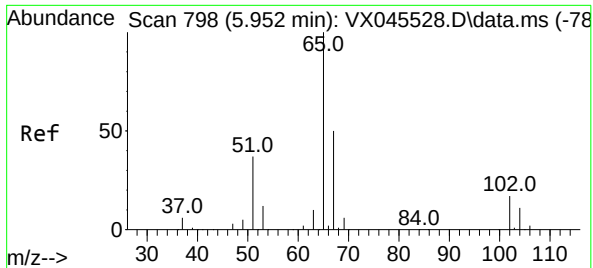
84 100

49 155.4 107.5 161.3

51 39.5 33.0 49.6

86 73.9 50.1 75.1





#33

1,2-Dichloroethane-d4

Concen: 51.104 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

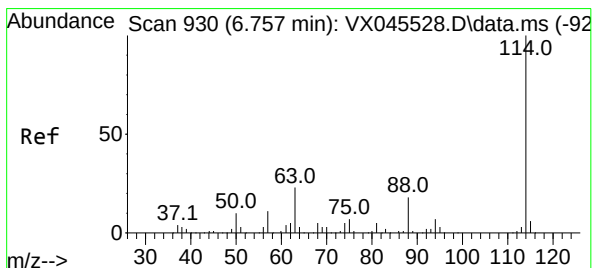
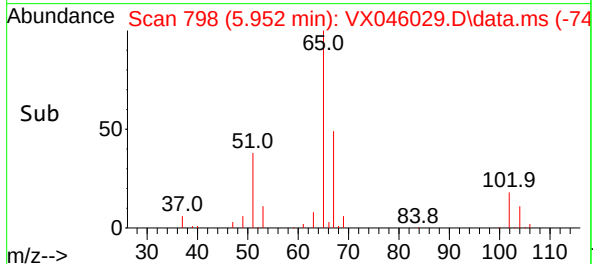
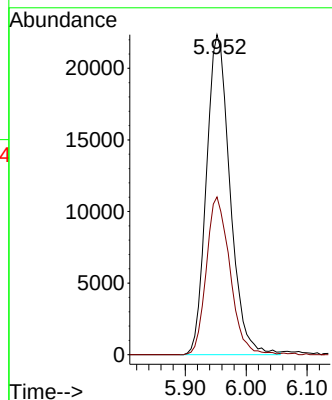
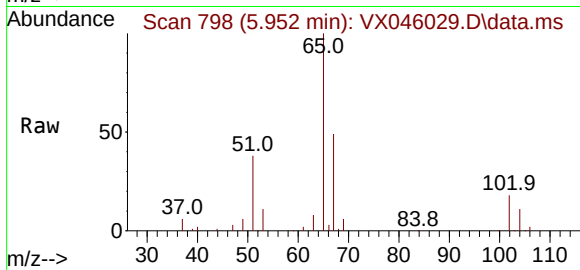
WC-A1-04-G

Tgt Ion: 65 Resp: 60277

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

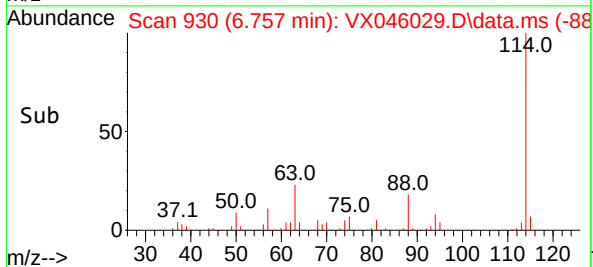
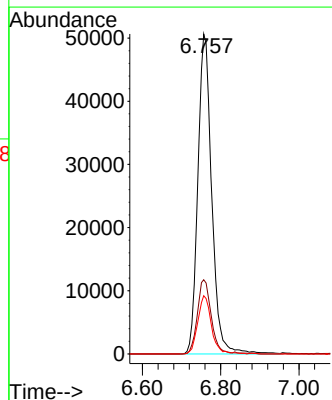
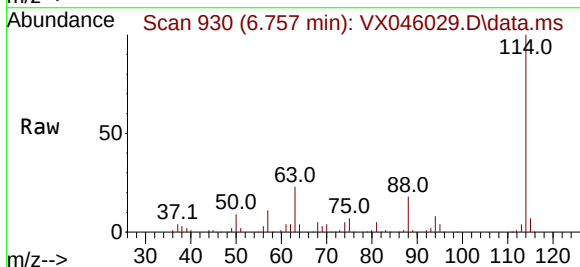
Tgt Ion: 114 Resp: 124983

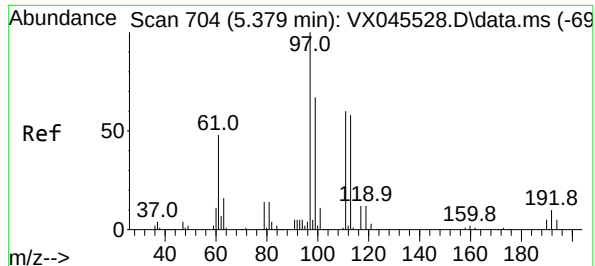
Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.8

88 18.2 0.0 35.4





#35

Dibromofluoromethane

Concen: 36.560 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX046029.D

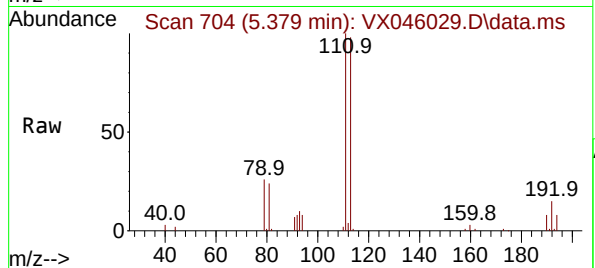
Acq: 02 May 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-04-G



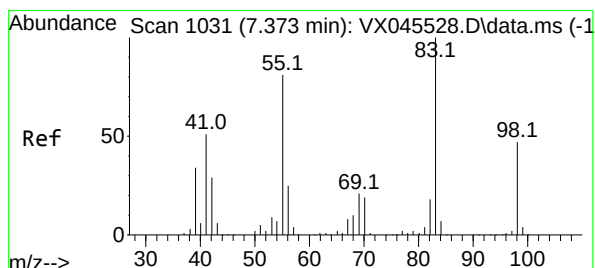
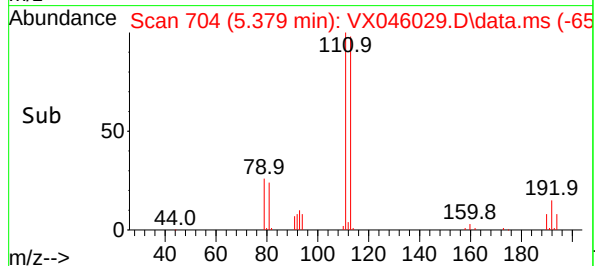
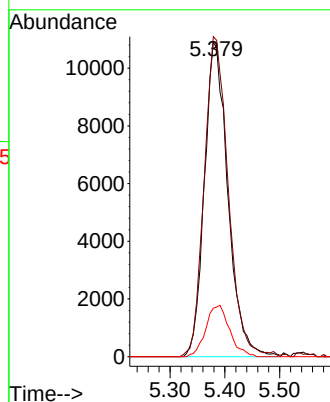
Tgt Ion:113 Resp: 32420

Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.6

192 16.5 13.8 20.6



#39

Methylcyclohexane

Concen: 2.523 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

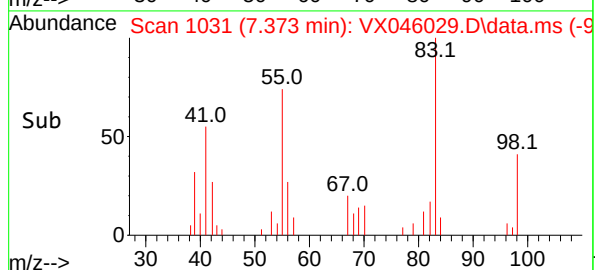
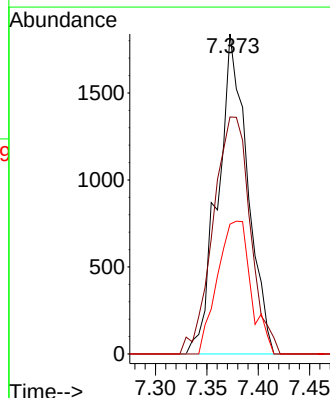
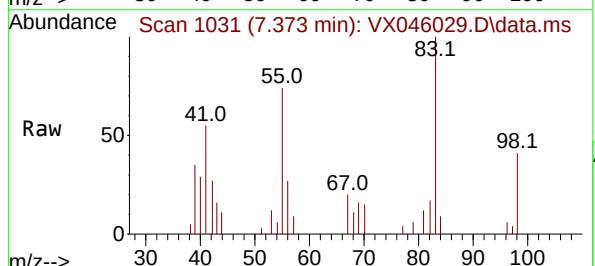
Tgt Ion: 83 Resp: 3703

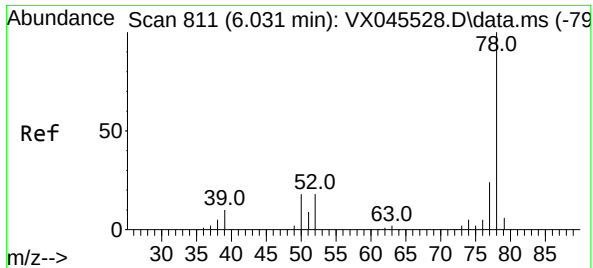
Ion Ratio Lower Upper

83 100

55 74.1 64.9 97.3

98 40.6 37.4 56.0

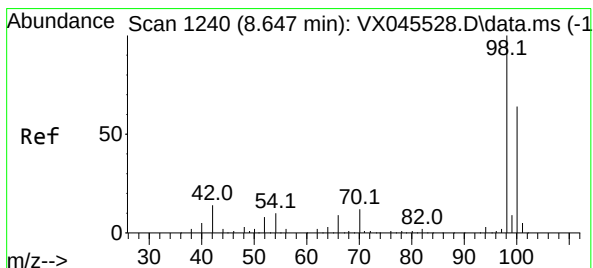
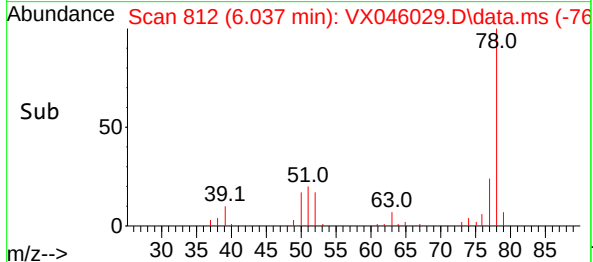
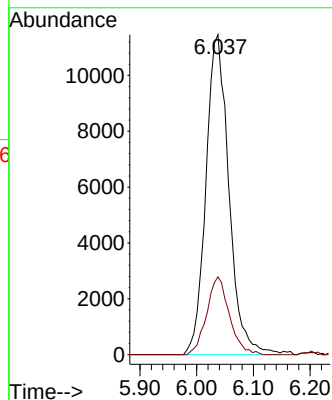
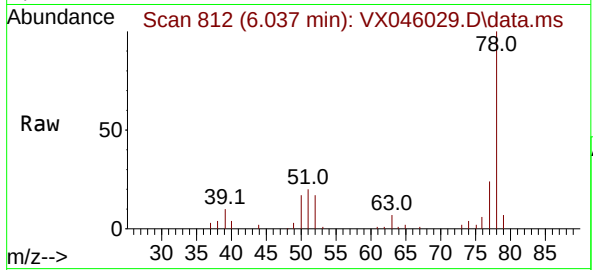




#40
Benzene
Concen: 8.820 ug/l
RT: 6.037 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX046029.D
Acq: 02 May 2025 15:48

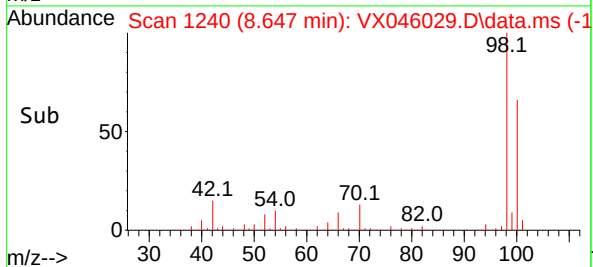
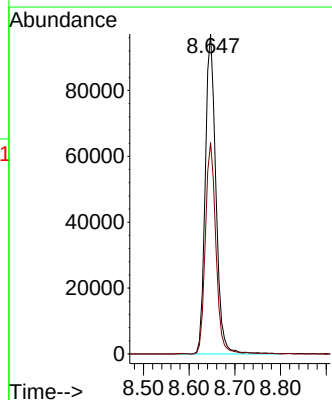
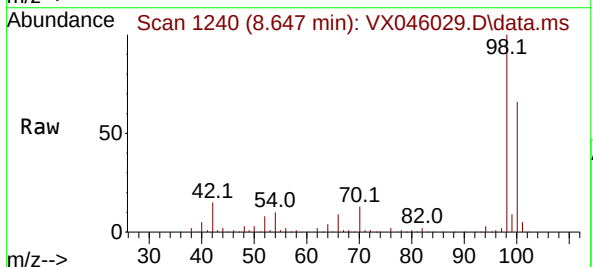
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-04-G

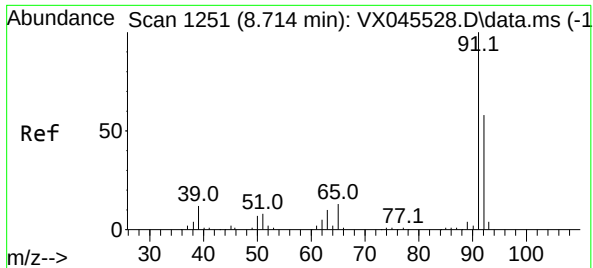
Tgt Ion: 78 Resp: 32250
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6



#50
Toluene-d8
Concen: 50.661 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046029.D
Acq: 02 May 2025 15:48

Tgt Ion: 98 Resp: 156803
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4

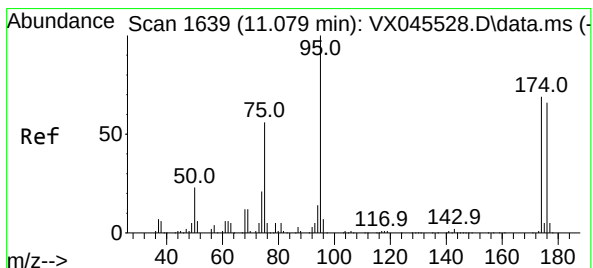
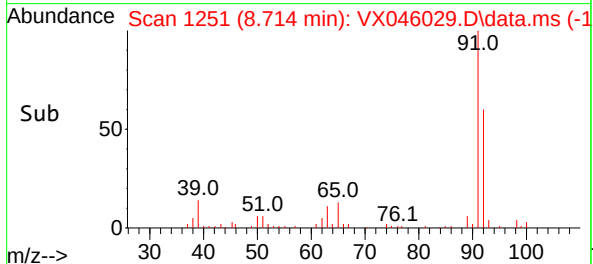
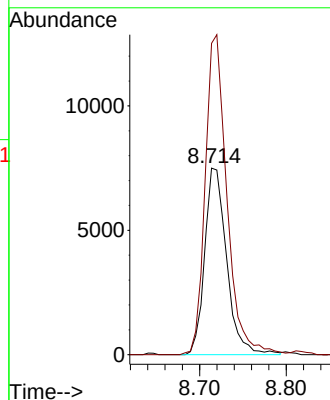
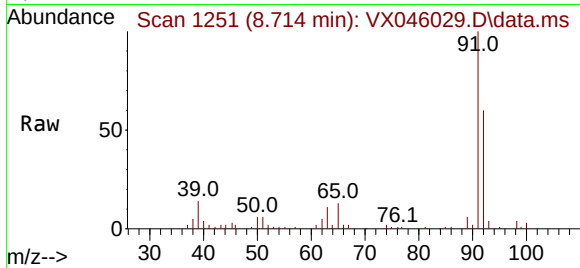




#52
Toluene
Concen: 5.981 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046029.D
Acq: 02 May 2025 15:48

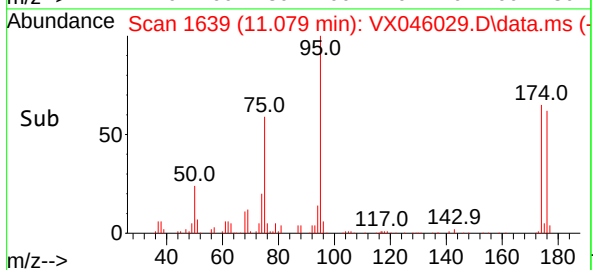
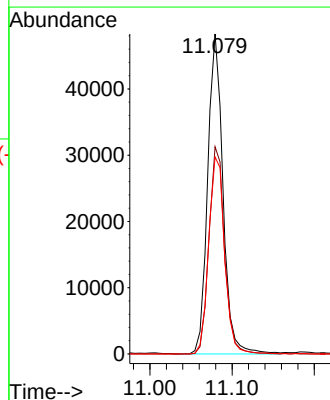
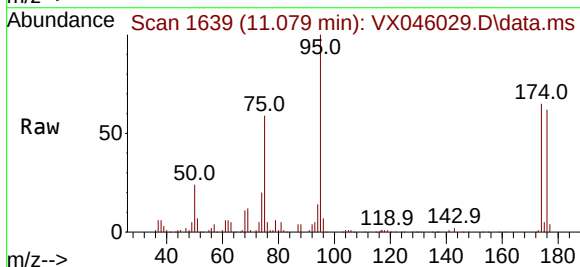
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-04-G

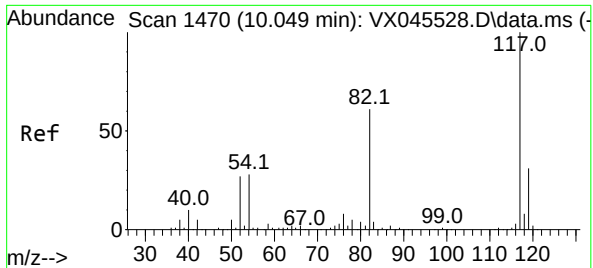
Tgt Ion: 92 Resp: 13235
Ion Ratio Lower Upper
92 100
91 169.4 138.7 208.1



#62
4-Bromofluorobenzene
Concen: 55.364 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046029.D
Acq: 02 May 2025 15:48

Tgt Ion: 95 Resp: 62417
Ion Ratio Lower Upper
95 100
174 65.6 0.0 135.8
176 64.2 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-04-G

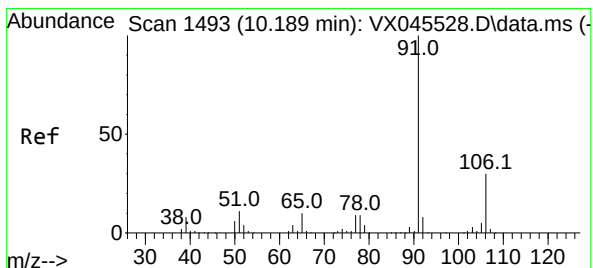
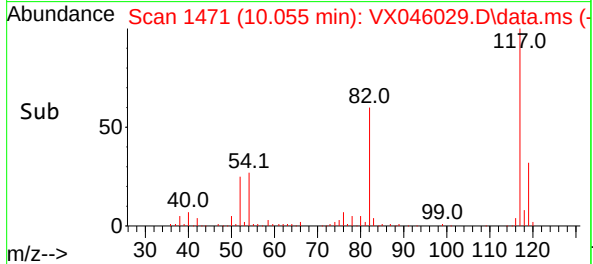
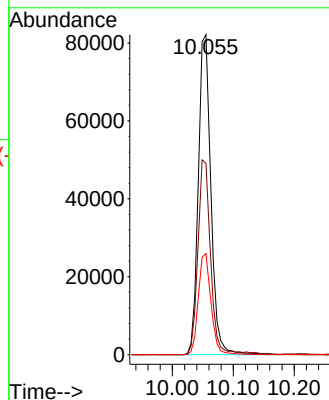
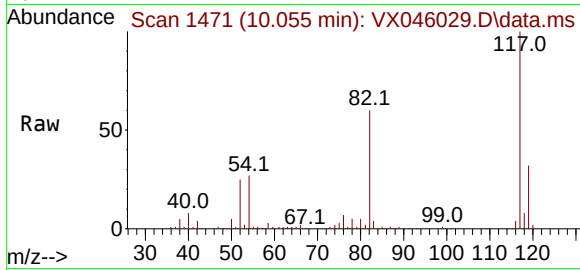
Tgt Ion:117 Resp: 118050

Ion Ratio Lower Upper

117 100

82 59.8 49.2 73.8

119 31.6 25.1 37.7



#67

Ethyl Benzene

Concen: 355.547 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX046029.D

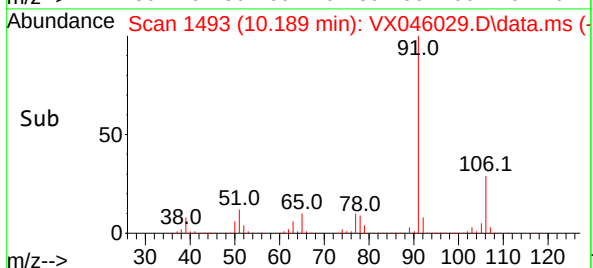
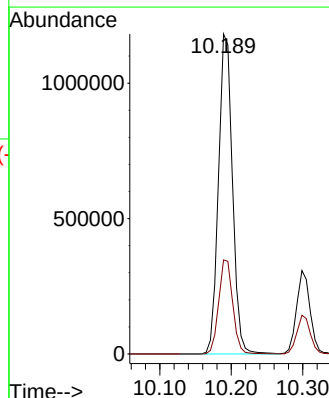
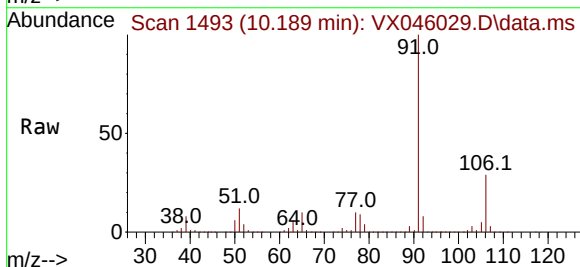
Acq: 02 May 2025 15:48

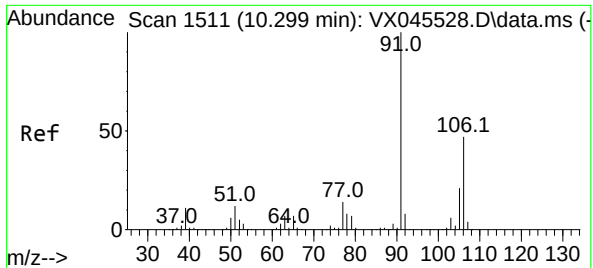
Tgt Ion: 91 Resp: 1606319

Ion Ratio Lower Upper

91 100

106 29.4 23.7 35.5





#68

m/p-Xylenes

Concen: 114.169 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

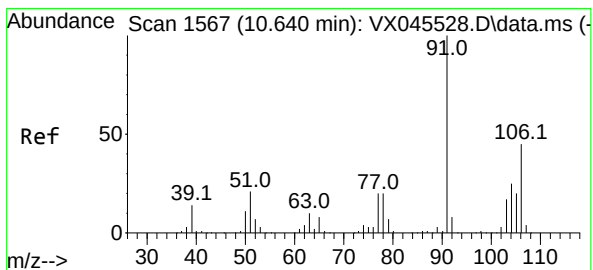
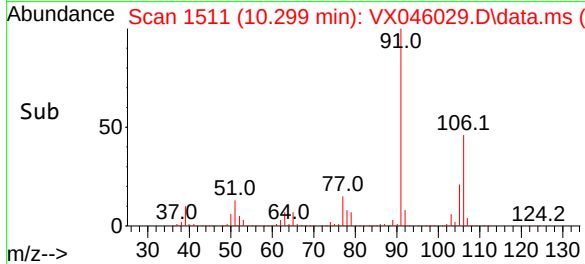
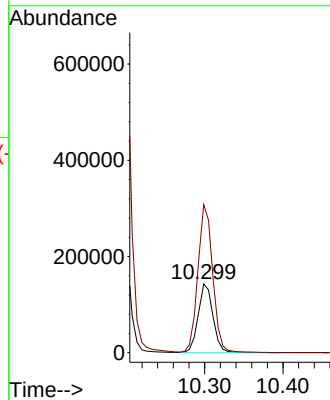
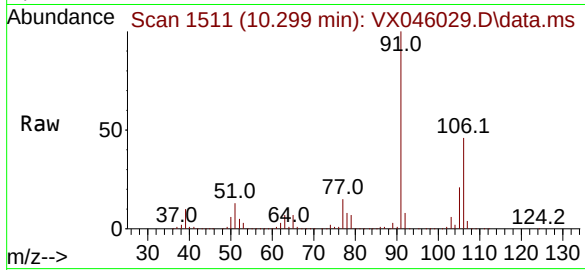
WC-A1-04-G

Tgt Ion:106 Resp: 187602

Ion Ratio Lower Upper

106 100

91 216.1 172.6 258.8



#69

o-Xylene

Concen: 38.324 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX046029.D

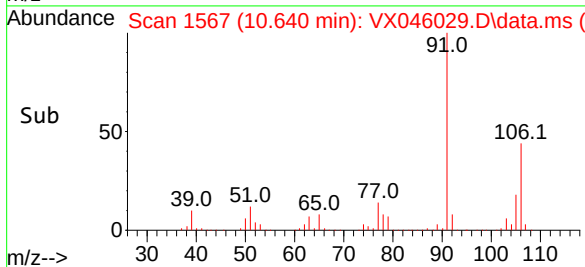
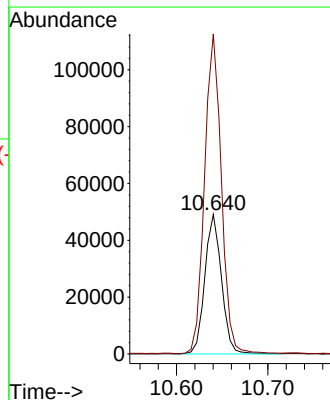
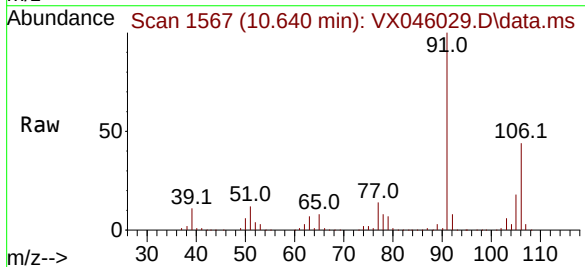
Acq: 02 May 2025 15:48

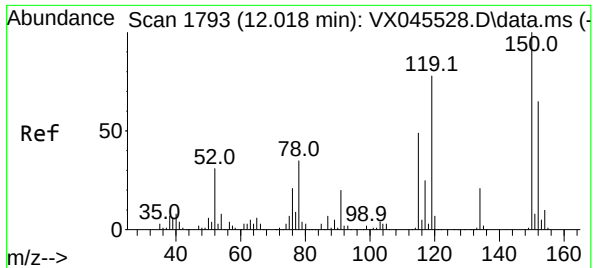
Tgt Ion:106 Resp: 62036

Ion Ratio Lower Upper

106 100

91 230.9 113.6 340.6

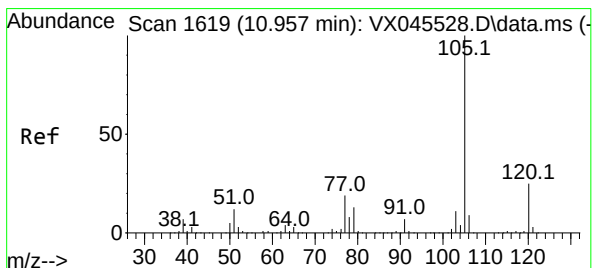
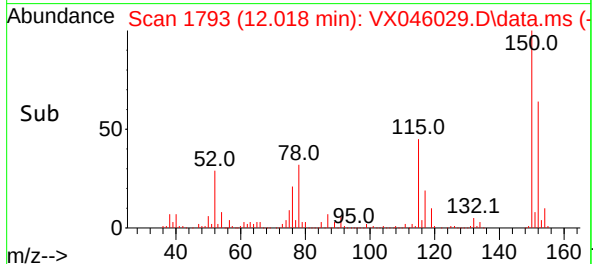
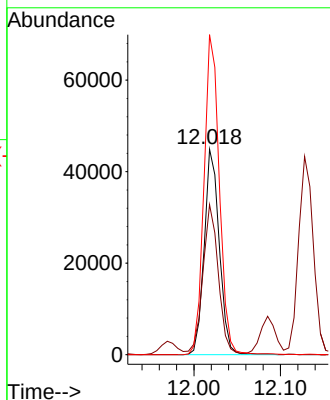
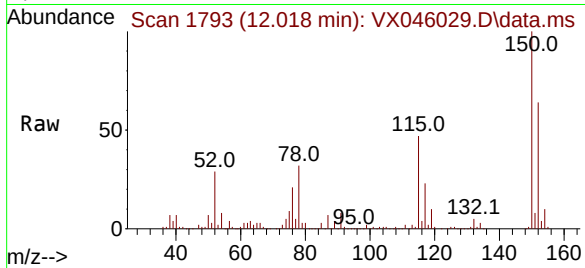




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046029.D
Acq: 02 May 2025 15:48

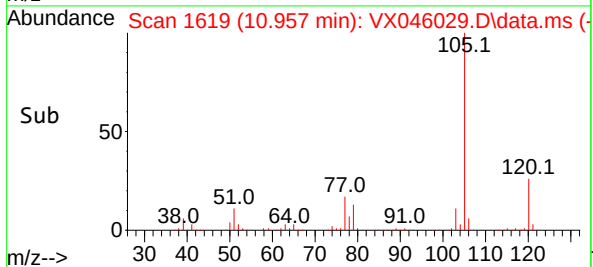
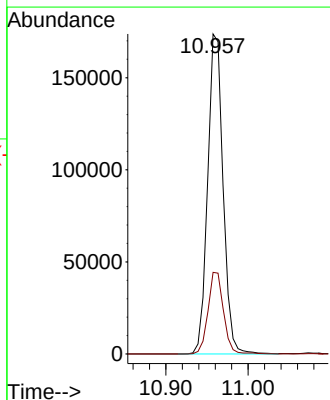
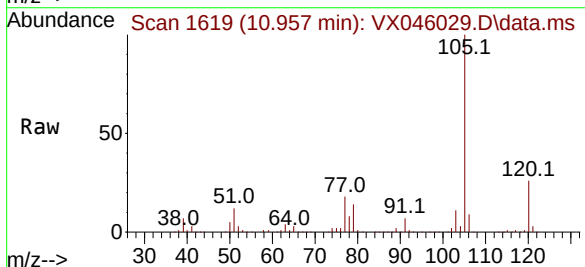
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-04-G

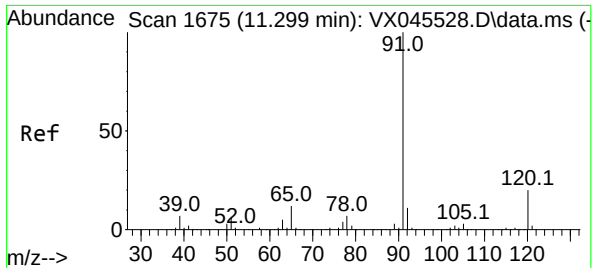
Tgt Ion:152 Resp: 54267
Ion Ratio Lower Upper
152 100
115 73.3 46.9 140.7
150 158.9 0.0 349.4



#73
Isopropylbenzene
Concen: 52.101 ug/l
RT: 10.957 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VX046029.D
Acq: 02 May 2025 15:48

Tgt Ion:105 Resp: 226476
Ion Ratio Lower Upper
105 100
120 25.6 12.7 38.0





#78

n-propylbenzene

Concen: 29.025 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

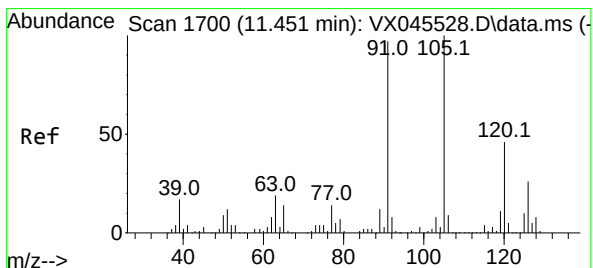
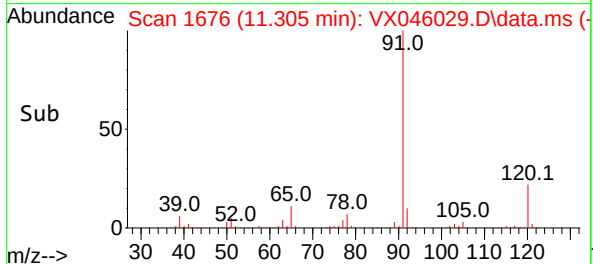
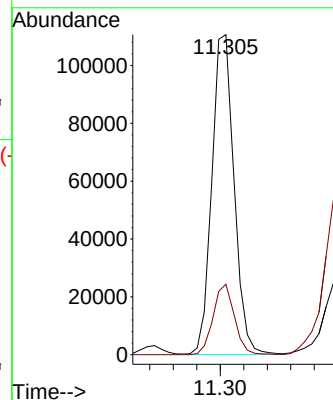
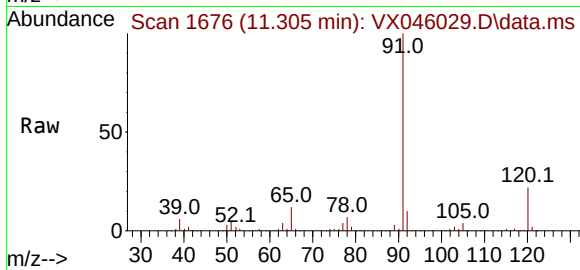
WC-A1-04-G

Tgt Ion: 91 Resp: 145323

Ion Ratio Lower Upper

91 100

120 21.1 10.8 32.3



#80

1,3,5-Trimethylbenzene

Concen: 34.814 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046029.D

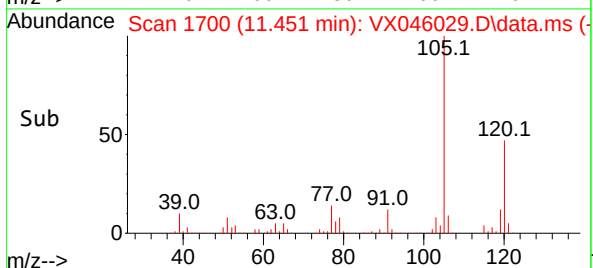
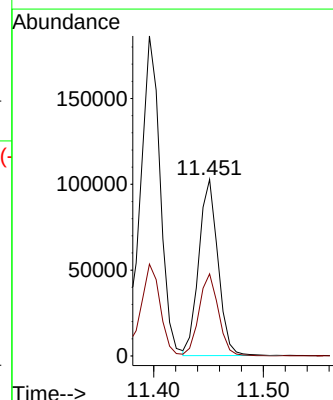
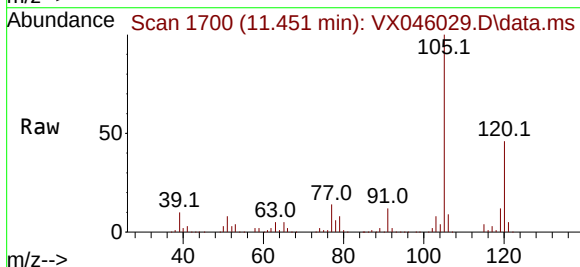
Acq: 02 May 2025 15:48

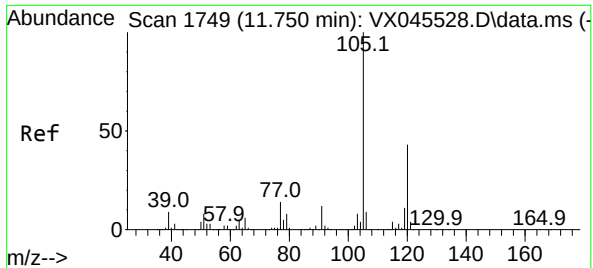
Tgt Ion: 105 Resp: 125139

Ion Ratio Lower Upper

105 100

120 46.9 23.0 69.0





#84

1,2,4-Trimethylbenzene

Concen: 158.308 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

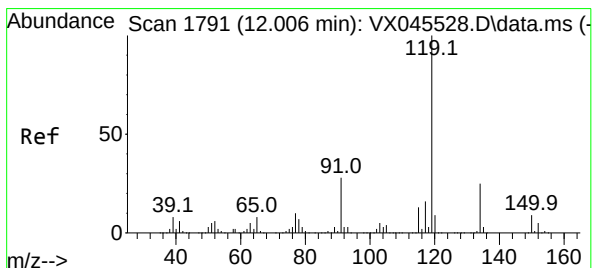
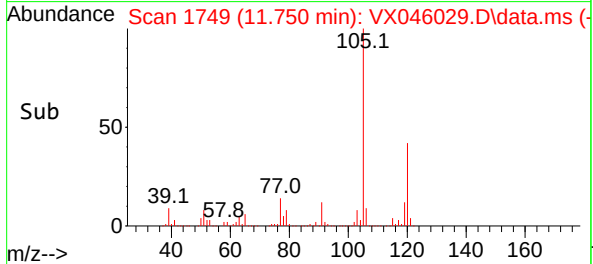
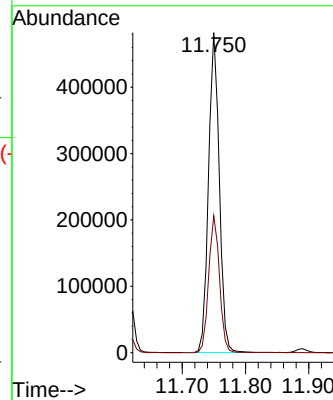
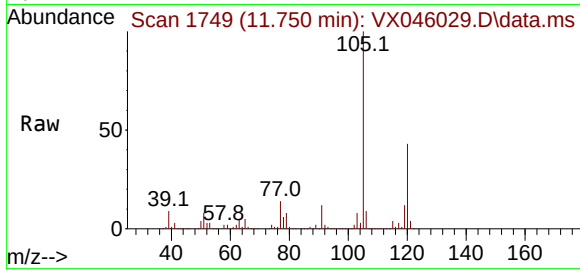
WC-A1-04-G

Tgt Ion:105 Resp: 571128

Ion Ratio Lower Upper

105 100

120 43.0 21.4 64.3



#86

p-Isopropyltoluene

Concen: 6.108 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX046029.D

Acq: 02 May 2025 15:48

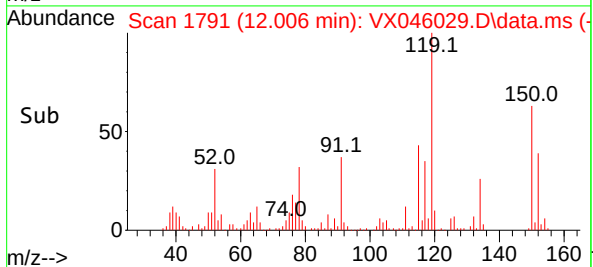
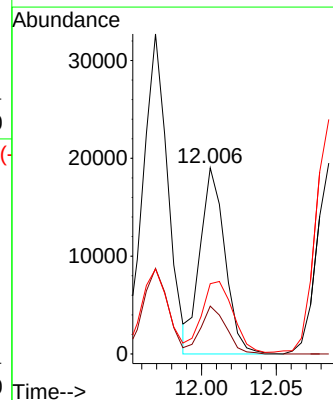
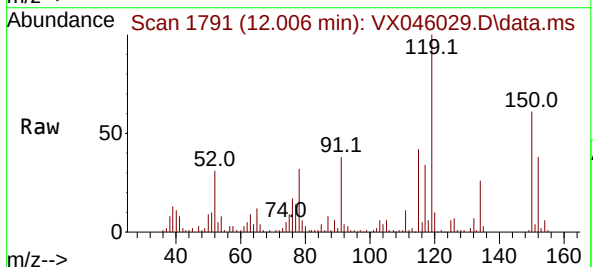
Tgt Ion:119 Resp: 22009

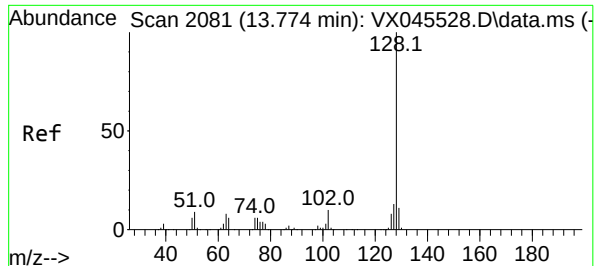
Ion Ratio Lower Upper

119 100

134 26.4 12.6 37.8

91 0.0 13.7 41.1#





#95

Naphthalene

Concen: 2328.882 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX046029.D

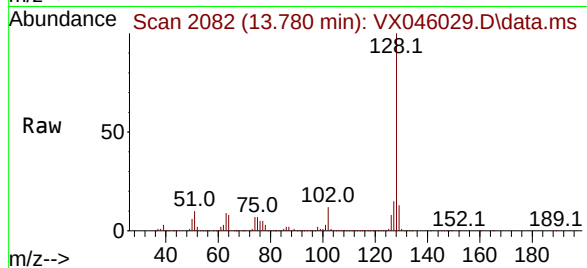
Acq: 02 May 2025 15:48

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-04-G



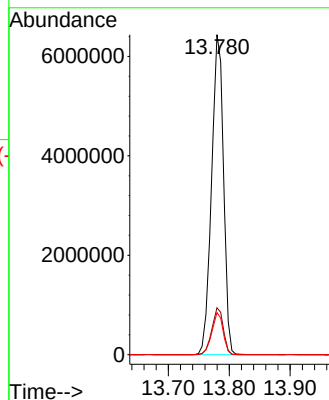
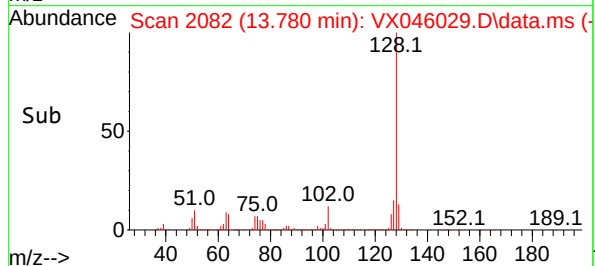
Tgt Ion:128 Resp: 8768541

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

129 12.4 8.6 12.8



Report of Analysis

Client:	ENTACT	Date Collected:	04/30/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	05/01/25
Client Sample ID:	WC-A1-04-GRE	SDG No.:	Q1929
Lab Sample ID:	Q1929-09RE	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086490.D	1		05/05/25 16:49	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	7.40		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	16.4	*	70 (75) - 130 (124)	33%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	132000	8.218			
540-36-3	1,4-Difluorobenzene	251000	9.1			
3114-55-4	Chlorobenzene-d5	237000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	110000	13.788			

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_N\Data\VN050525\
 Data File : VN086490.D
 Acq On : 05 May 2025 16:49
 Operator : JC\MD
 Sample : Q1929-09RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A1-04-GRE

Quant Time: May 06 01:46:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

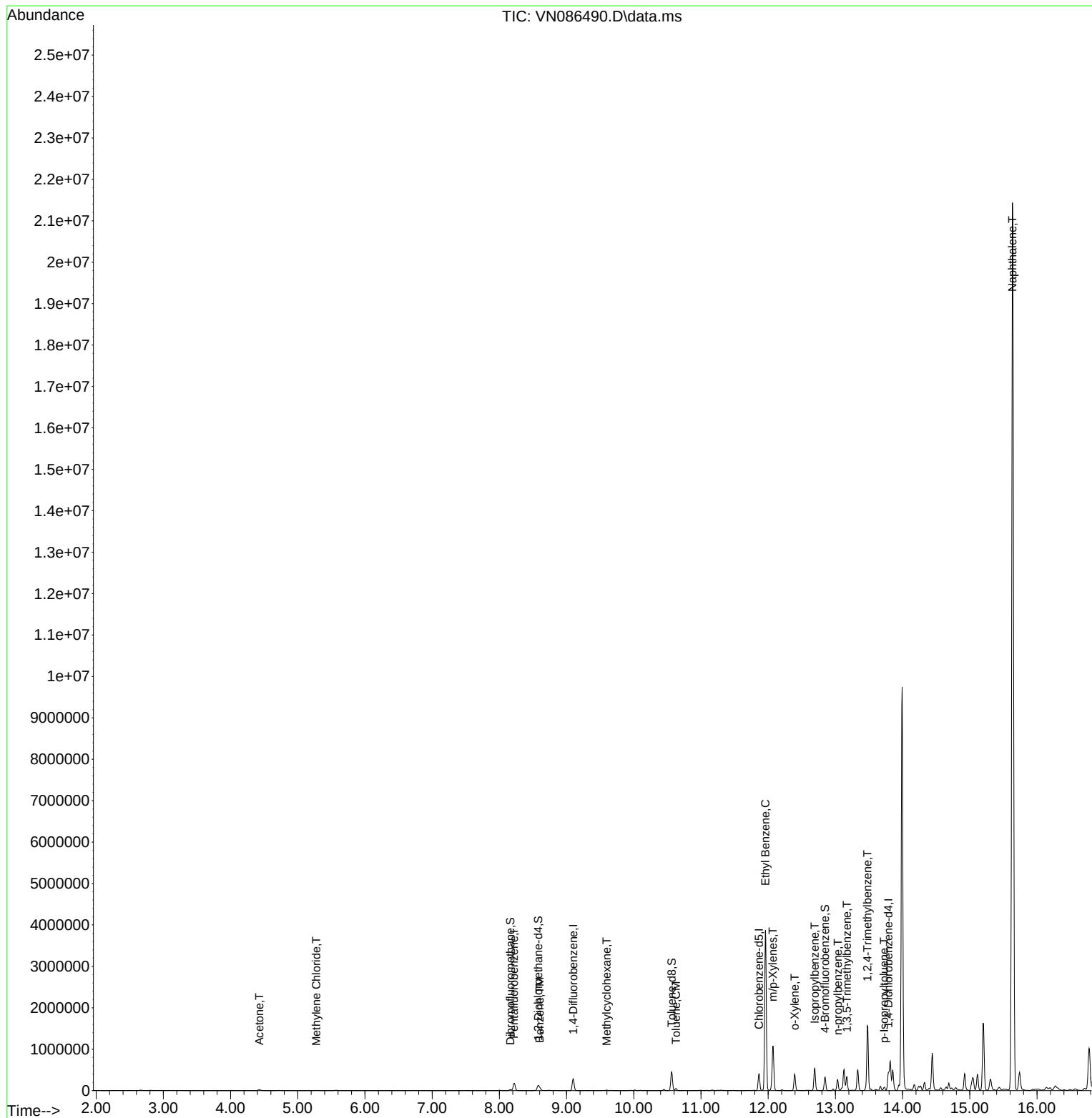
Internal Standards						
1) Pentafluorobenzene	8.218	168	131562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	251143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	95097	49.847	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.700%		
35) Dibromofluoromethane	8.165	113	19073	16.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	32.720%#		
50) Toluene-d8	10.565	98	320992	51.528	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.060%		
62) 4-Bromofluorobenzene	12.847	95	117322	51.635	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.260%		
Target Compounds					Qvalue	
16) Acetone	4.430	43	42074	59.438	ug/l	99
20) Methylene Chloride	5.277	84	4418	2.505	ug/l	91
39) Methylcyclohexane	9.594	83	4401	1.590	ug/l	95
40) Benzene	8.600	78	55452	7.434	ug/l	100
52) Toluene	10.630	92	22107	4.750	ug/l	97
67) Ethyl Benzene	11.959	91	2860567	299.636	ug/l	99
68) m/p-Xylenes	12.071	106	336282	94.008	ug/l	98
69) o-Xylene	12.394	106	109632	30.991	ug/l	99
73) Isopropylbenzene	12.694	105	368163	40.932	ug/l	99
78) n-propylbenzene	13.035	91	216866	20.461	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	170901	23.215	ug/l	93
84) 1,2,4-Trimethylbenzene	13.476	105	899772	120.073	ug/l	98
86) p-Isopropyltoluene	13.723	119	30969	4.247	ug/l #	77
95) Naphthalene	15.635	128	18328056	2972.686	ug/l	95

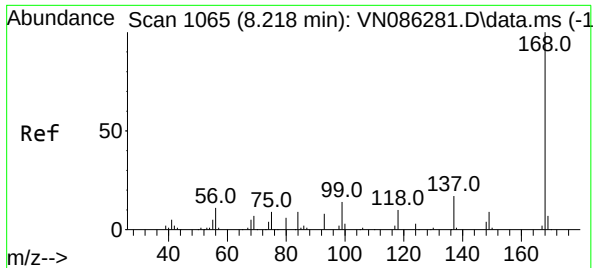
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086490.D
Acq On : 05 May 2025 16:49
Operator : JC\MD
Sample : Q1929-09RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

Quant Time: May 06 01:46:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

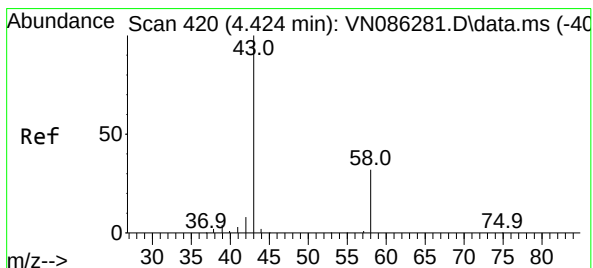
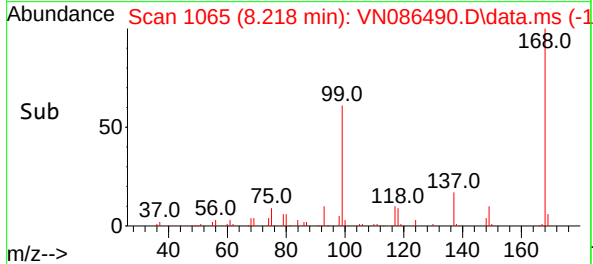
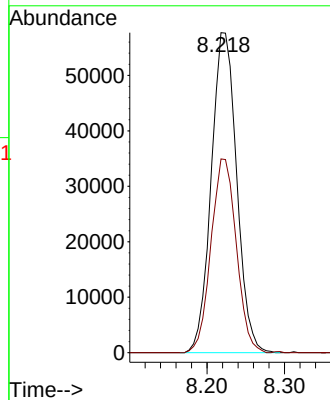
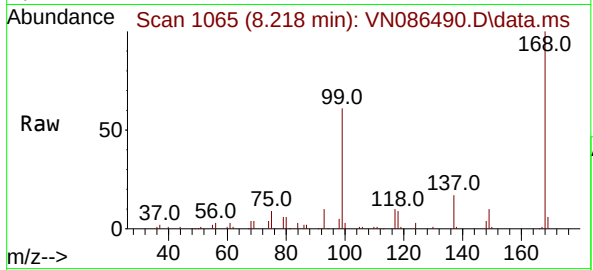




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

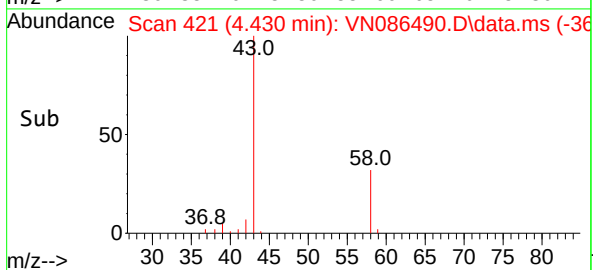
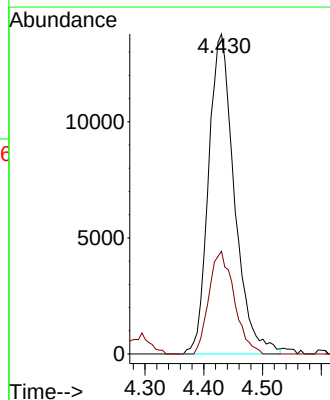
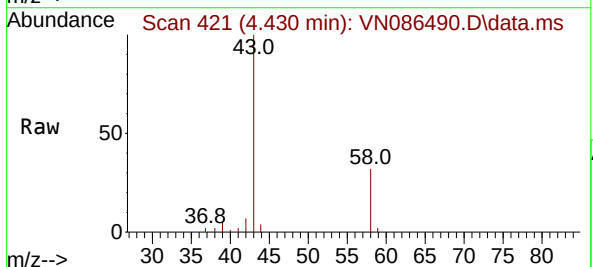
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

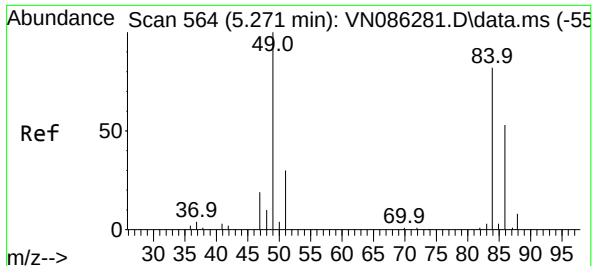
Tgt Ion:168 Resp: 131562
Ion Ratio Lower Upper
168 100
99 60.5 52.5 78.7



#16
Acetone
Concen: 59.438 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion: 43 Resp: 42074
Ion Ratio Lower Upper
43 100
58 32.1 25.3 37.9

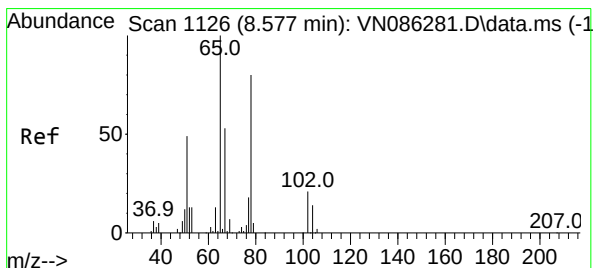
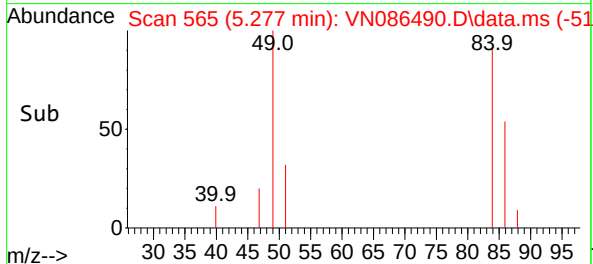
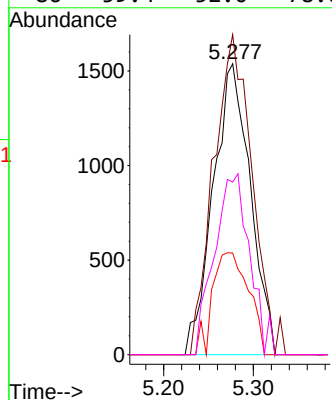
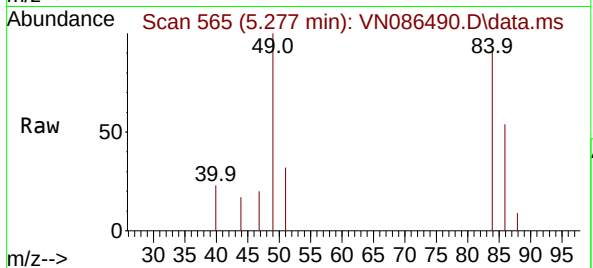




#20
Methylene Chloride
Concen: 2.505 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

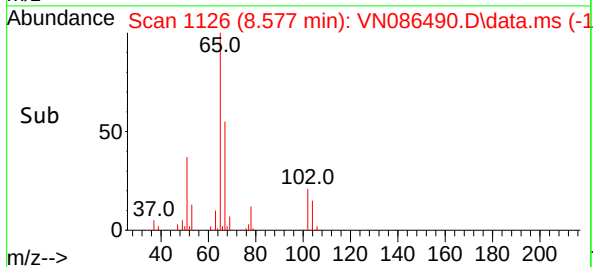
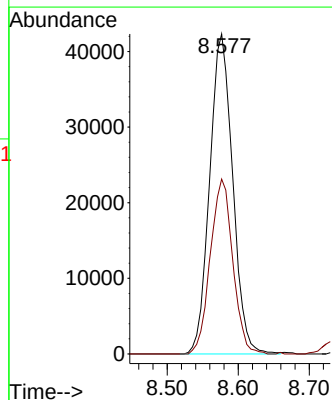
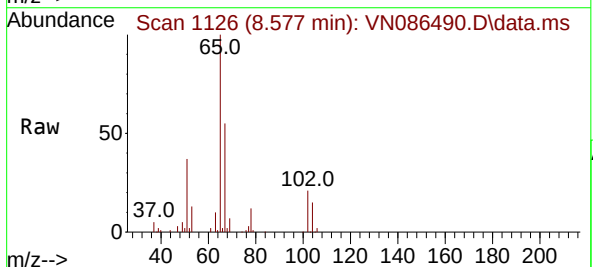
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

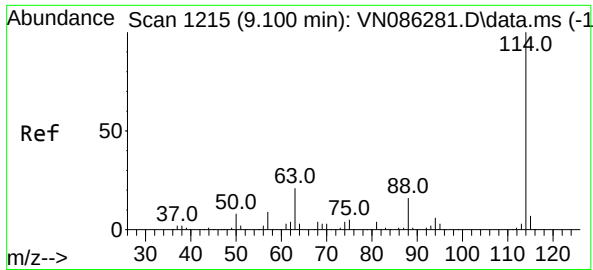
Tgt Ion:	84	Resp:	4418
Ion	Ratio	Lower	Upper
84	100		
49	110.0	98.2	147.2
51	34.9	29.8	44.6
86	59.4	52.0	78.0



#33
1,2-Dichloroethane-d4
Concen: 49.847 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion:	65	Resp:	95097
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086490.D

Acq: 05 May 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

WC-A1-04-GRE

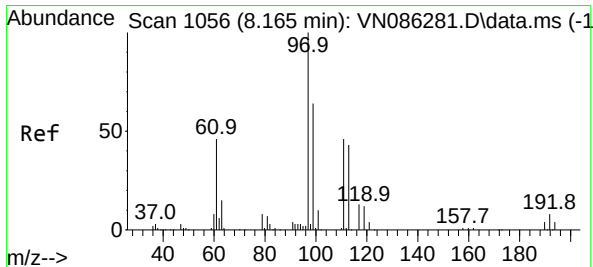
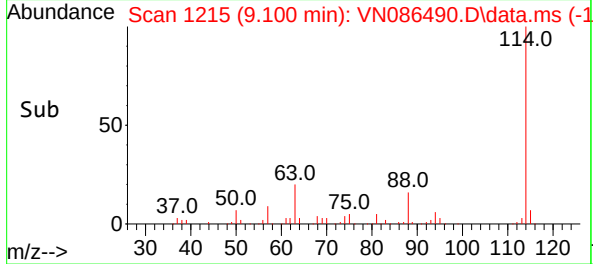
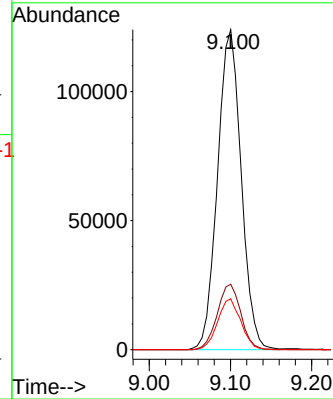
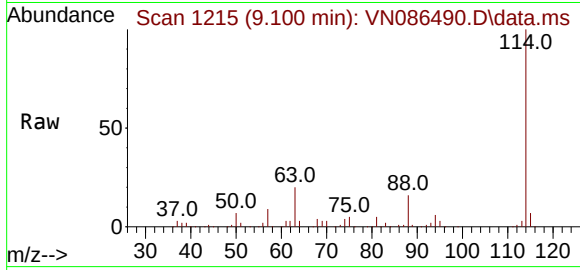
Tgt Ion:114 Resp: 251143

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 16.363 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086490.D

Acq: 05 May 2025 16:49

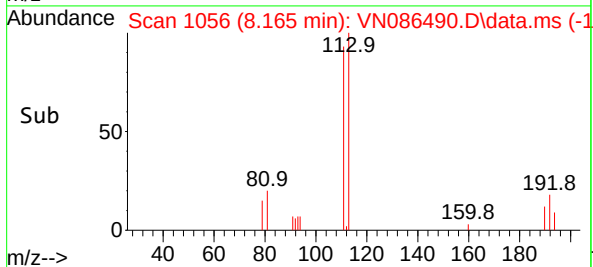
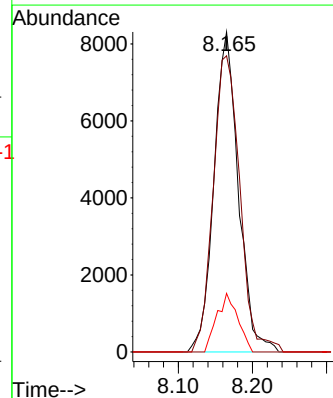
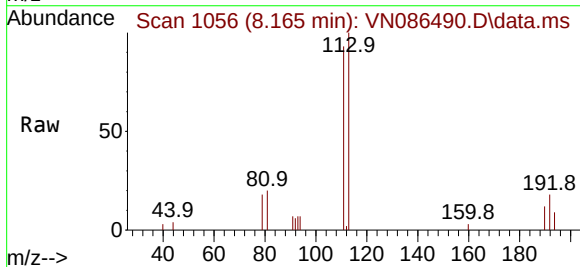
Tgt Ion:113 Resp: 19073

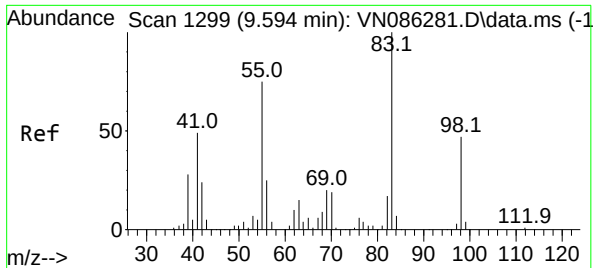
Ion Ratio Lower Upper

113 100

111 101.0 83.4 125.0

192 15.7 13.7 20.5





#39

Methylcyclohexane

Concen: 1.590 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. 0.000 min

Lab File: VN086490.D

Acq: 05 May 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

WC-A1-04-GRE

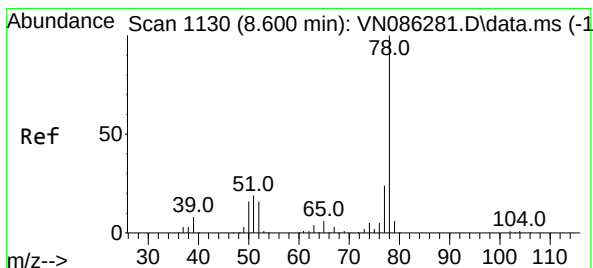
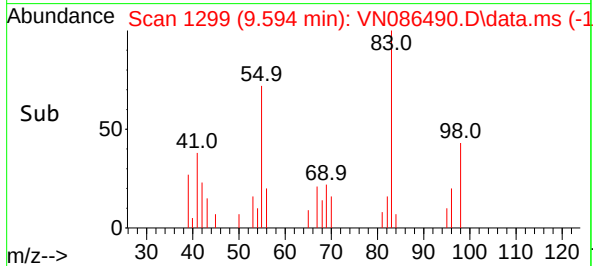
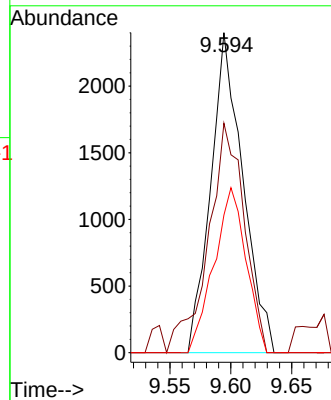
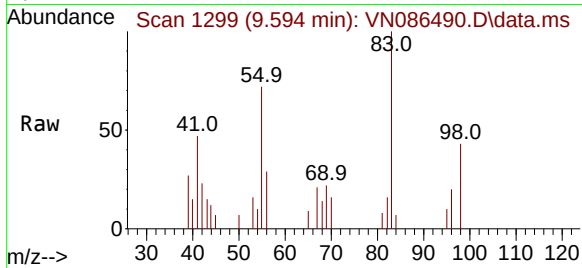
Tgt Ion: 83 Resp: 4401

Ion Ratio Lower Upper

83 100

55 71.7 59.8 89.8

98 43.0 37.9 56.9



#40

Benzene

Concen: 7.434 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN086490.D

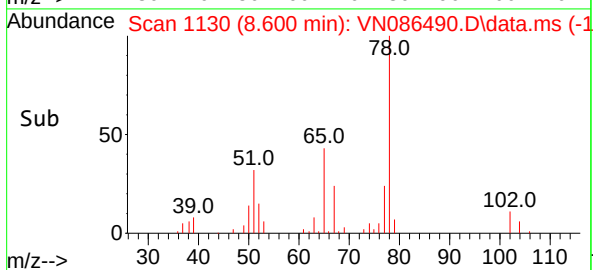
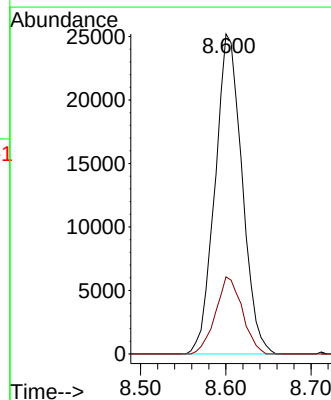
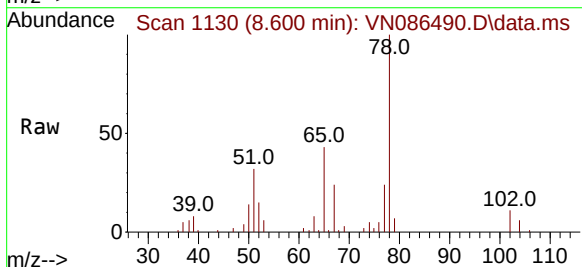
Acq: 05 May 2025 16:49

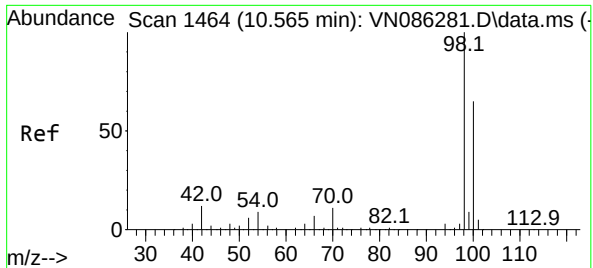
Tgt Ion: 78 Resp: 55452

Ion Ratio Lower Upper

78 100

77 24.1 19.4 29.2

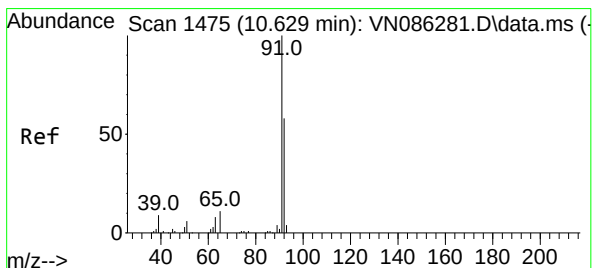
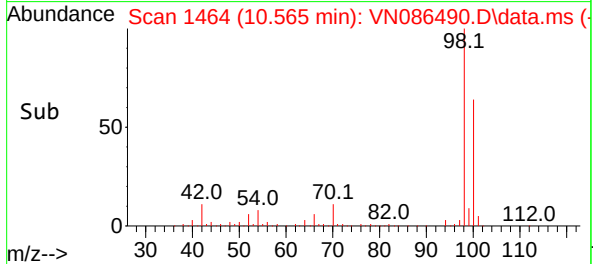
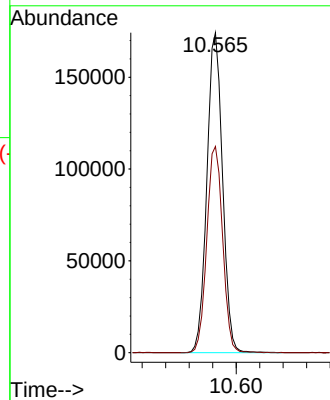
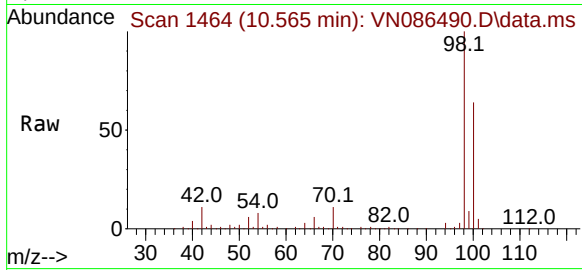




#50
Toluene-d8
Concen: 51.528 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

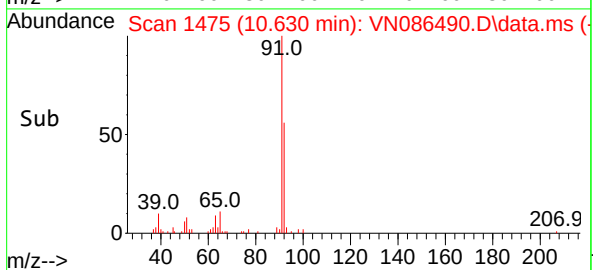
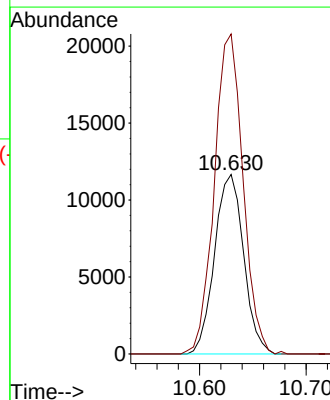
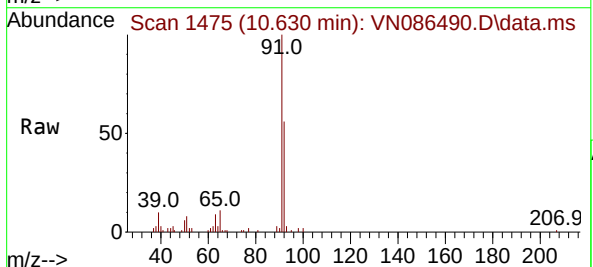
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

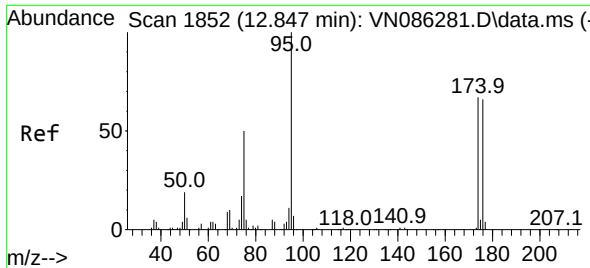
Tgt Ion: 98 Resp: 320992
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#52
Toluene
Concen: 4.750 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion: 92 Resp: 22107
Ion Ratio Lower Upper
92 100
91 175.7 137.3 205.9

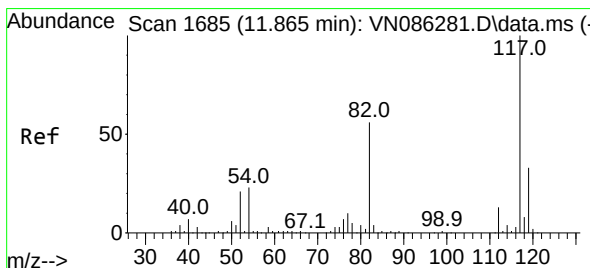
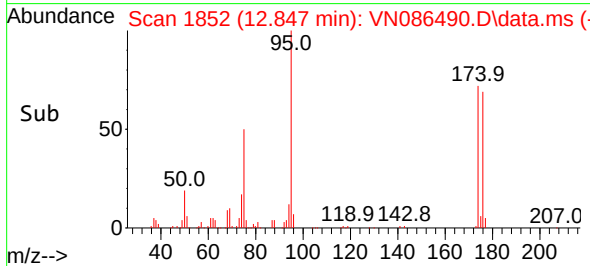
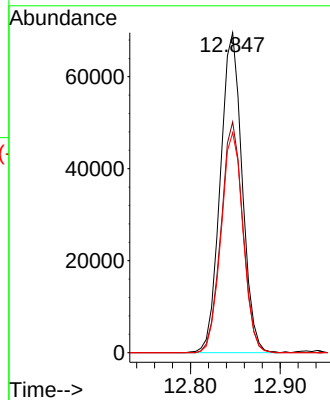
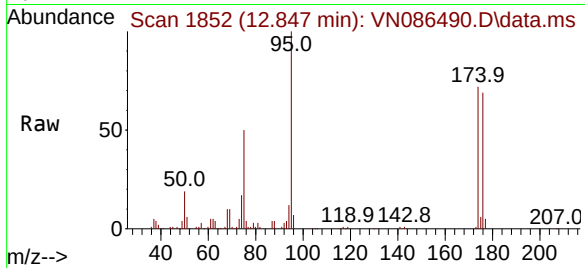




#62
4-Bromofluorobenzene
Concen: 51.635 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

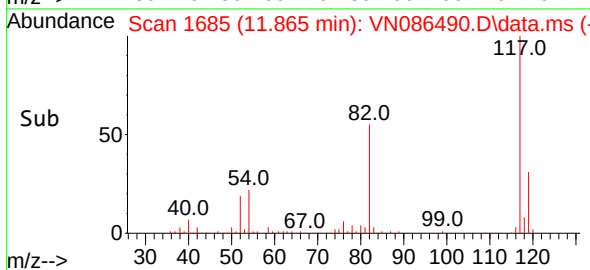
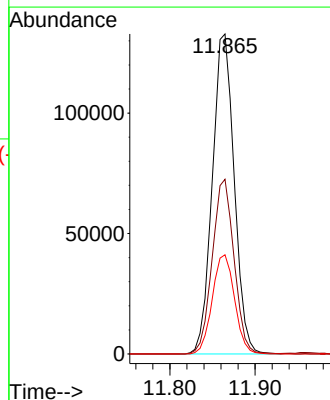
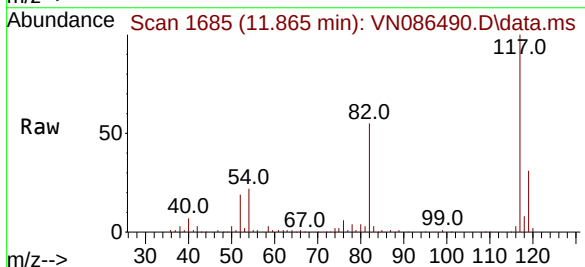
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

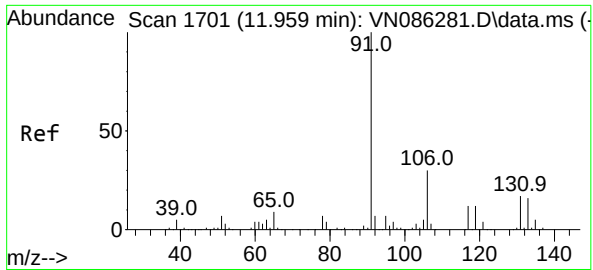
Tgt Ion: 95 Resp: 117322
Ion Ratio Lower Upper
95 100
174 72.0 0.0 133.4
176 69.2 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion: 117 Resp: 237065
Ion Ratio Lower Upper
117 100
82 54.6 44.7 67.1
119 31.0 26.4 39.6

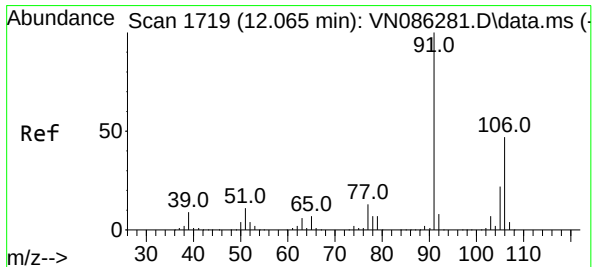
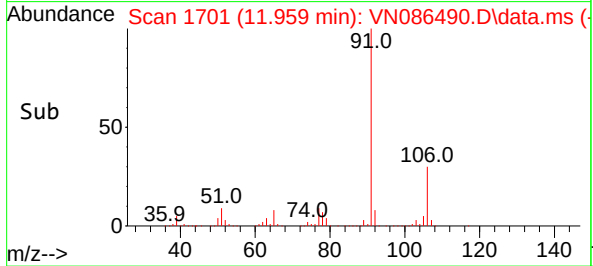
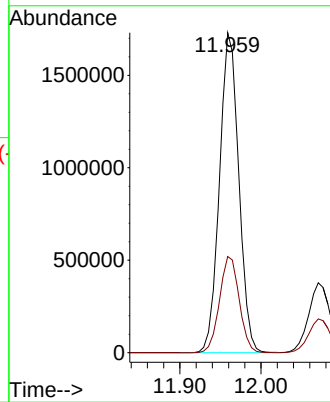
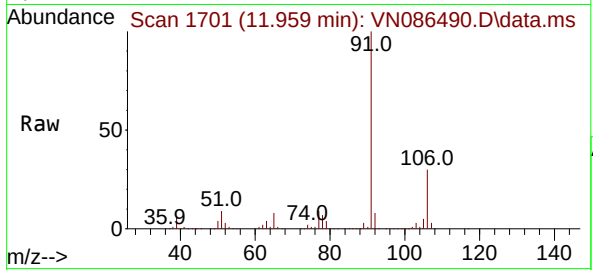




#67
Ethyl Benzene
Concen: 299.636 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

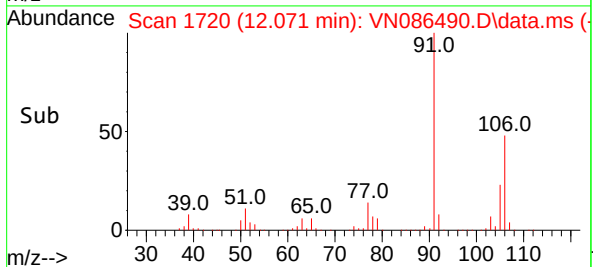
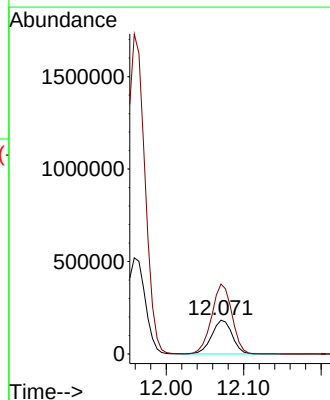
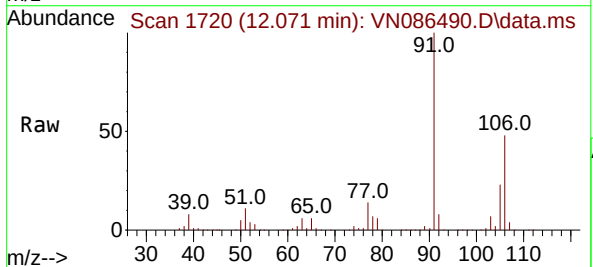
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

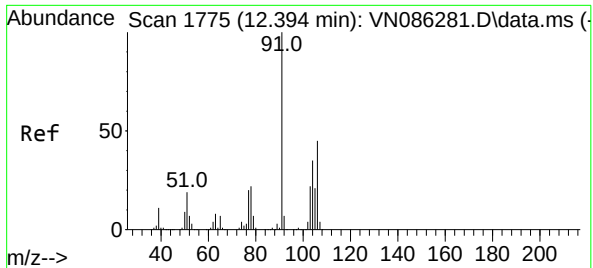
Tgt Ion: 91 Resp: 2860567
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 94.008 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion: 106 Resp: 336282
Ion Ratio Lower Upper
106 100
91 205.0 166.5 249.7

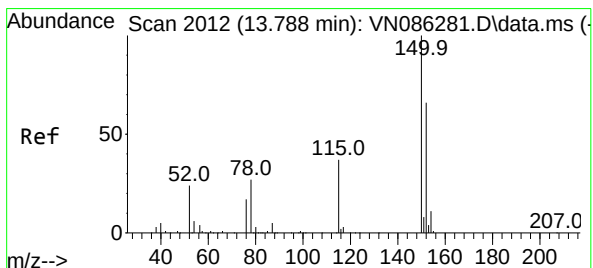
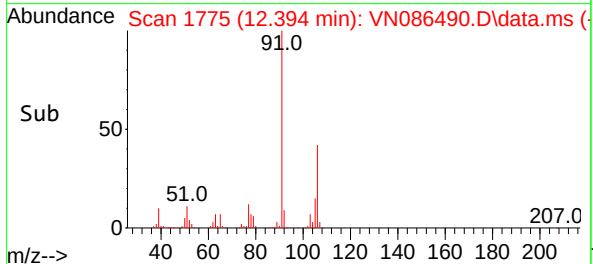
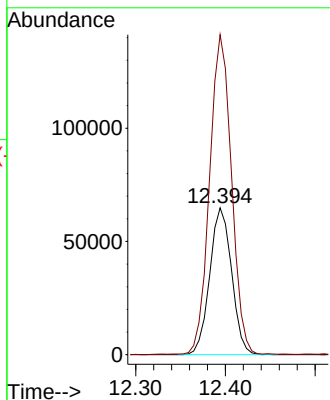
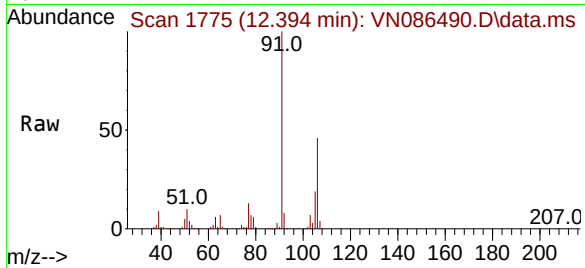




#69
o-Xylene
Concen: 30.991 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

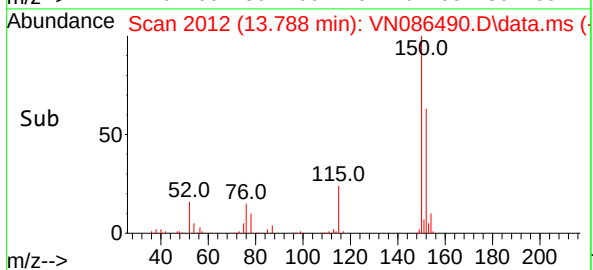
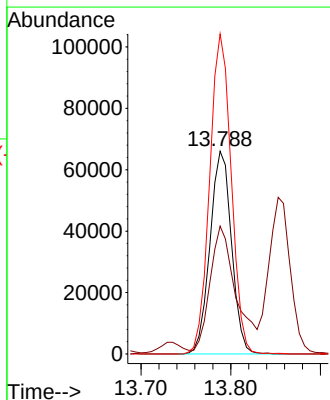
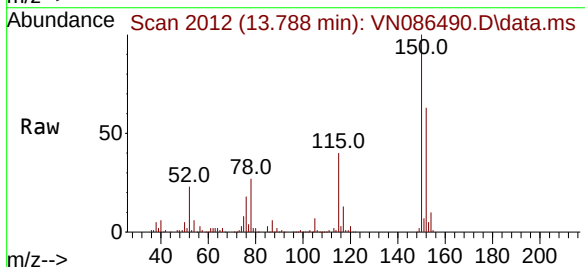
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

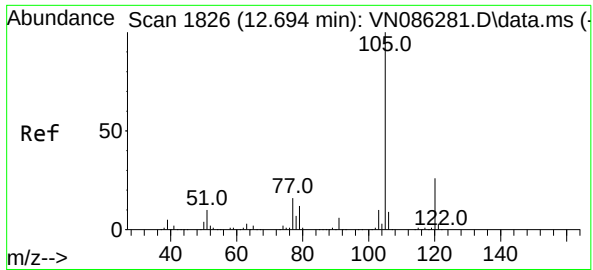
Tgt Ion:106 Resp: 109632
Ion Ratio Lower Upper
106 100
91 217.8 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion:152 Resp: 109954
Ion Ratio Lower Upper
152 100
115 72.6 31.9 95.9
150 157.9 0.0 352.0

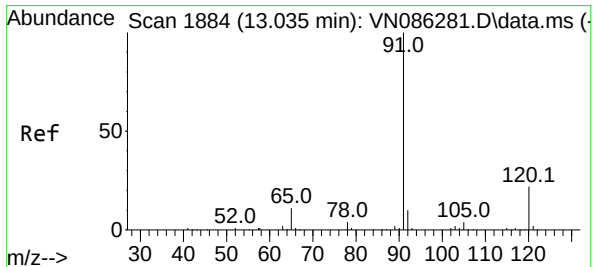
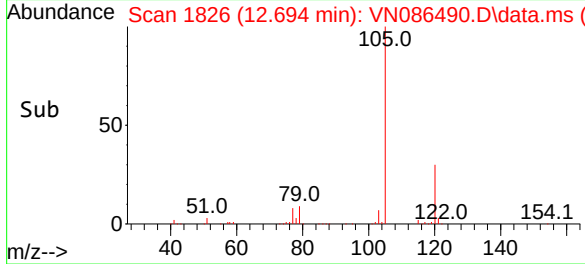
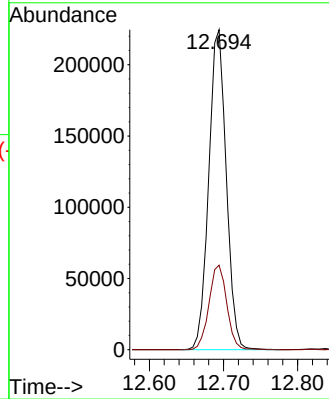
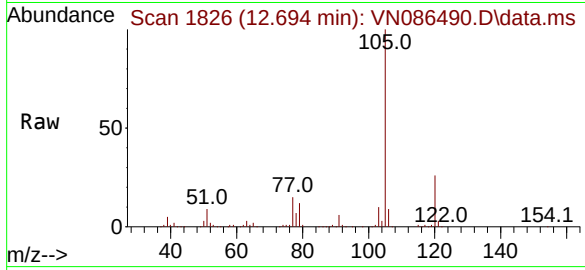




#73
Isopropylbenzene
Concen: 40.932 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

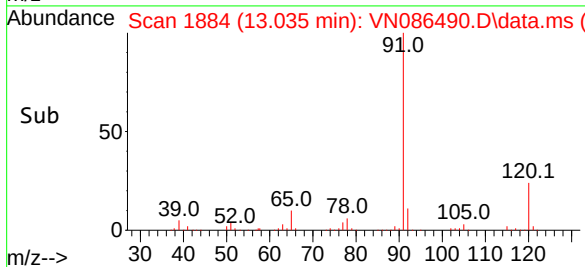
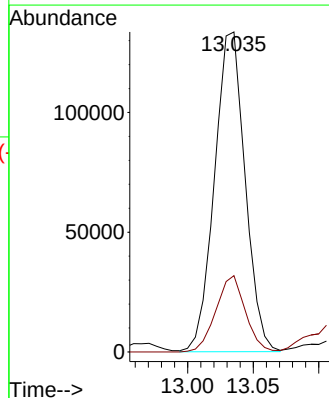
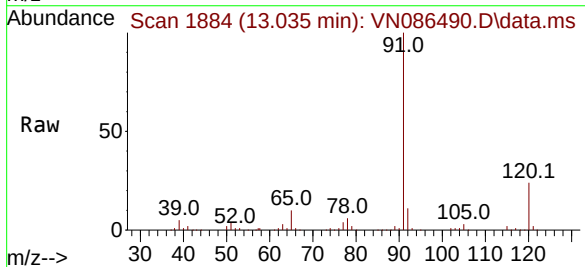
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

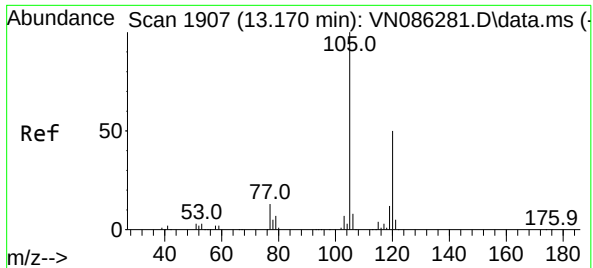
Tgt Ion:105 Resp: 368163
Ion Ratio Lower Upper
105 100
120 26.9 13.1 39.3



#78
n-propylbenzene
Concen: 20.461 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion: 91 Resp: 216866
Ion Ratio Lower Upper
91 100
120 23.0 11.1 33.3





#80

1,3,5-Trimethylbenzene

Concen: 23.215 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN086490.D

Acq: 05 May 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

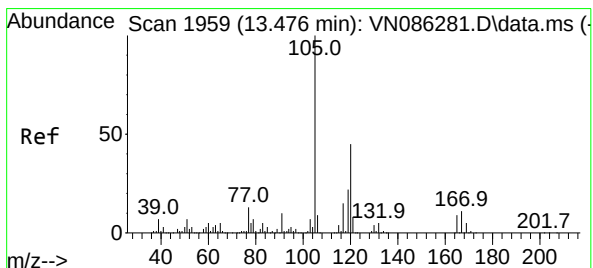
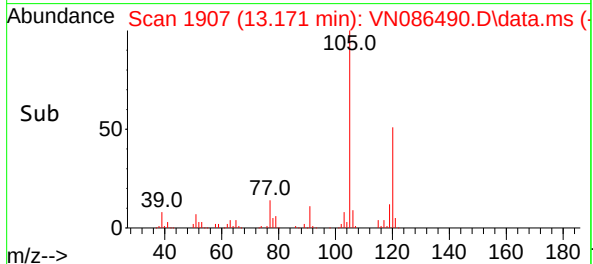
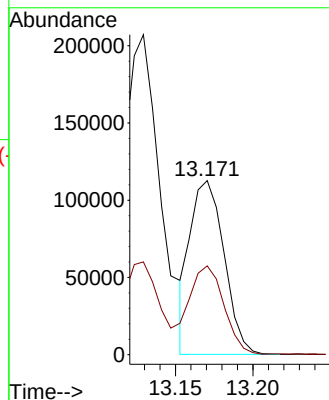
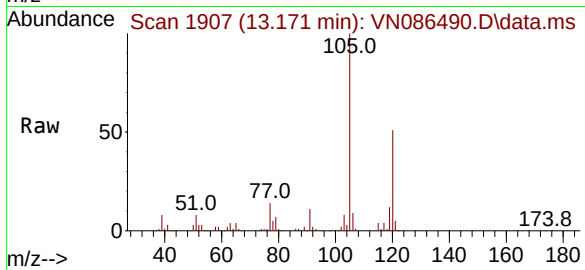
WC-A1-04-GRE

Tgt Ion:105 Resp: 170901

Ion Ratio Lower Upper

105 100

120 53.5 24.5 73.5



#84

1,2,4-Trimethylbenzene

Concen: 120.073 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VN086490.D

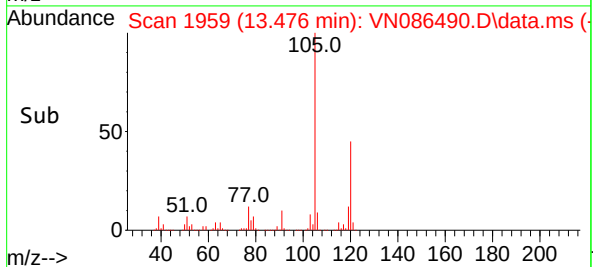
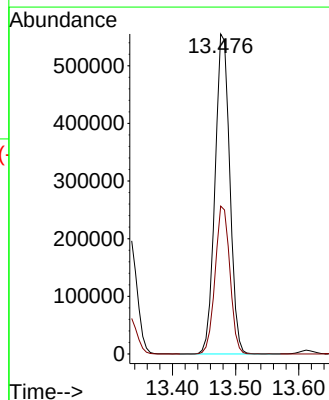
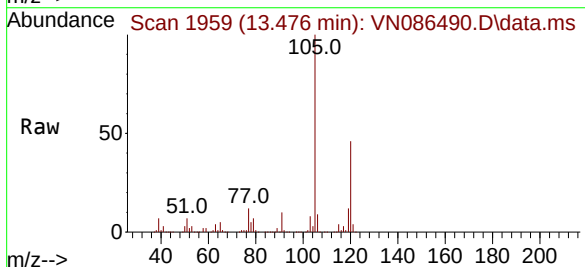
Acq: 05 May 2025 16:49

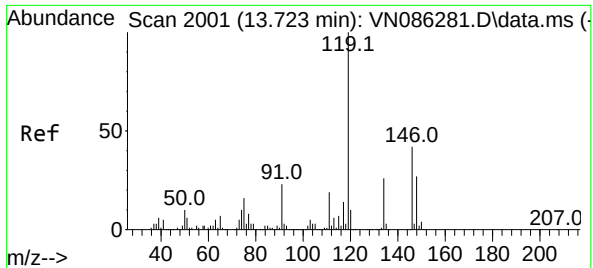
Tgt Ion:105 Resp: 899772

Ion Ratio Lower Upper

105 100

120 46.2 22.4 67.3

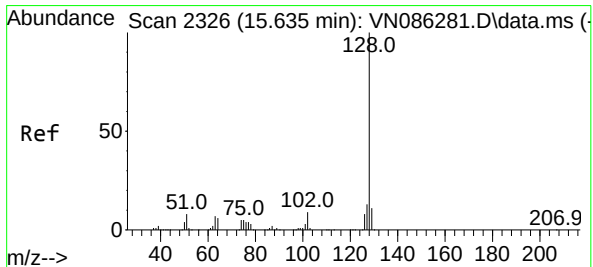
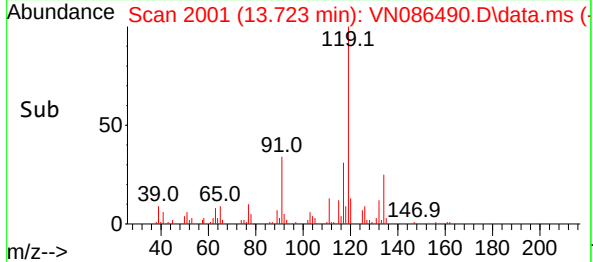
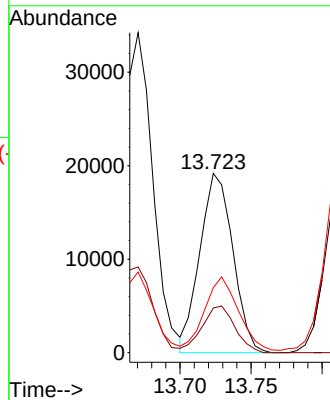
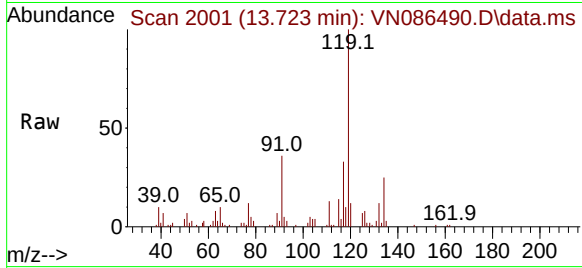




#86
p-Isopropyltoluene
Concen: 4.247 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

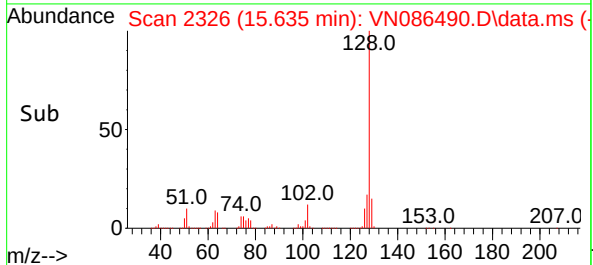
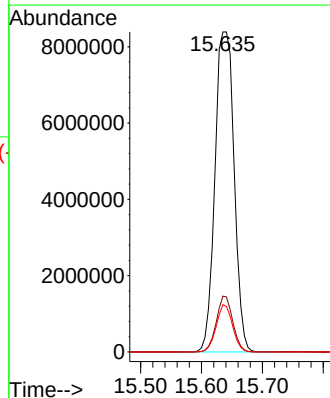
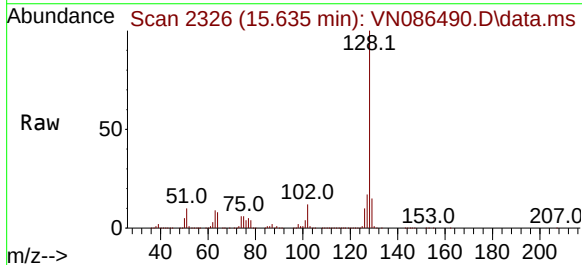
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

Tgt Ion:119 Resp: 30969
Ion Ratio Lower Upper
119 100
134 26.0 13.1 39.1
91 0.0 11.9 35.9#



#95
Naphthalene
Concen: 2972.686 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion:128 Resp:18328056
Ion Ratio Lower Upper
128 100
127 14.9 10.2 15.4
129 12.6 8.6 13.0





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG No.: Q1929
 Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025
 Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086277.D		RRF005 = VN086278.D		RRF010 = VN086279.D			
		RRF020 = VN086280.D		RRF050 = VN086281.D		RRF100 = VN086282.D			
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD	
Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.4	
1,1-Dichloroethene	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.6	
2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.7	
Carbon Tetrachloride	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.9	
Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.3	
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8	
1,2-Dichloroethane	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.1	
Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.8	
Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.8	
Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.8	
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6	
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8	
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8	
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	4	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N041525W.M
 Title : SW846 8260
 Last Update : Wed Apr 16 04:19:23 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN086277.D 5 =VN086278.D 10 =VN086279.D 20 =VN086280.D 50 =VN086281.D 100 =VN086282.D

	Compound	1	5	10	20	50	100	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.606	0.561	0.582	0.624	0.591	0.593	0.593	3.56
3) P	Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.46
4) C	Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.36#
5) T	Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.53
6) T	Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.31
7) T	Trichlorofluor...	0.988	0.951	0.859	0.927	0.863	0.875	0.911	5.87
8) T	Diethyl Ether	0.423	0.421	0.375	0.415	0.374	0.377	0.398	6.12
9) T	1,1,2-Trichlor...	0.577	0.581	0.522	0.567	0.526	0.532	0.551	4.93
10) T	Methyl Iodide		0.598	0.564	0.636	0.599	0.631	0.606	4.84
11) T	Tert butyl alc...		0.145	0.135	0.142	0.124	0.115	0.132	9.44
12) CM	1,1-Dichloroet...	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.59#
13) T	Acrolein		0.121	0.070	0.065	0.061	0.060	0.075	34.06
14) T	Allyl chloride	1.330	1.082	0.957	1.025	0.929	0.954	1.046	14.33
15) T	Acrylonitrile	0.332	0.349	0.308	0.343	0.317	0.313	0.327	5.13
16) T	Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.22
17) T	Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.28
18) T	Methyl Acetate	1.024	0.912	0.819	0.864	0.781	0.822	0.870	10.04
19) T	Methyl tert-bu...	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.76
20) T	Methylene Chlo...	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.71
21) T	trans-1,2-Dich...	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.11
22) T	Diisopropyl ether	2.660	2.385	2.107	2.266	2.109	2.128	2.276	9.58
23) T	Vinyl Acetate	1.743	1.757	1.524	1.643	1.483	1.396	1.591	9.21
24) P	1,1-Dichloroet...	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.57
25) T	2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.73
26) T	2,2-Dichloropr...	1.174	1.154	1.024	1.084	0.983	1.032	1.075	7.07
27) T	cis-1,2-Dichlo...	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.32
28) T	Bromochloromet...	0.545	0.608	0.436	0.465	0.495	0.506	0.509	11.96
29) T	Tetrahydrofuran	0.337	0.319	0.286	0.314	0.281	0.273	0.302	8.30
30) C	Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.29#
31) T	Cyclohexane		1.439	1.140	1.169	1.066	1.062	1.175	13.14
32) T	1,1,1-Trichlor...	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.79
33) S	1,2-Dichloroet...		0.746	0.745	0.707	0.719	0.708	0.725	2.63
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.267	0.255	0.230	0.215	0.194	0.232	12.85
36) T	1,1-Dichloropr...	0.509	0.488	0.426	0.466	0.443	0.448	0.463	6.68
37) T	Ethyl Acetate	0.585	0.509	0.458	0.491	0.446	0.439	0.488	11.15
38) T	Carbon Tetrach...	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.93
39) T	Methylcyclohexane	0.611	0.579	0.513	0.549	0.524	0.531	0.551	6.83
40) TM	Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.81
41) T	Methacrylonitrile	0.327	0.285	0.278	0.283	0.264	0.259	0.283	8.57
42) TM	1,2-Dichloroet...	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.09
43) T	Isopropyl Acetate	2.155	1.263	0.969	0.975	0.866	0.833	1.177	42.71
44) TM	Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.83
45) C	1,2-Dichloropr...	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.24#
46) T	Dibromomethane	0.234	0.244	0.220	0.239	0.227	0.226	0.232	3.74
47) T	Bromodichlorom...	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.39
48) T	Methyl methacr...	0.517	0.436	0.404	0.433	0.395	0.386	0.429	11.14
49) T	1,4-Dioxane	0.009	0.008	0.007	0.008	0.007	0.006	0.007	15.51
50) S	Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.81
51) T	4-Methyl-2-Pen...	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.90
52) CM	Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.60#
53) T	t-1,3-Dichloro...	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.38
54) T	cis-1,3-Dichlo...	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.52
55) T	1,1,2-Trichlor...	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.91
56) T	Ethyl methacry...	0.668	0.644	0.578	0.623	0.579	0.585	0.613	6.23

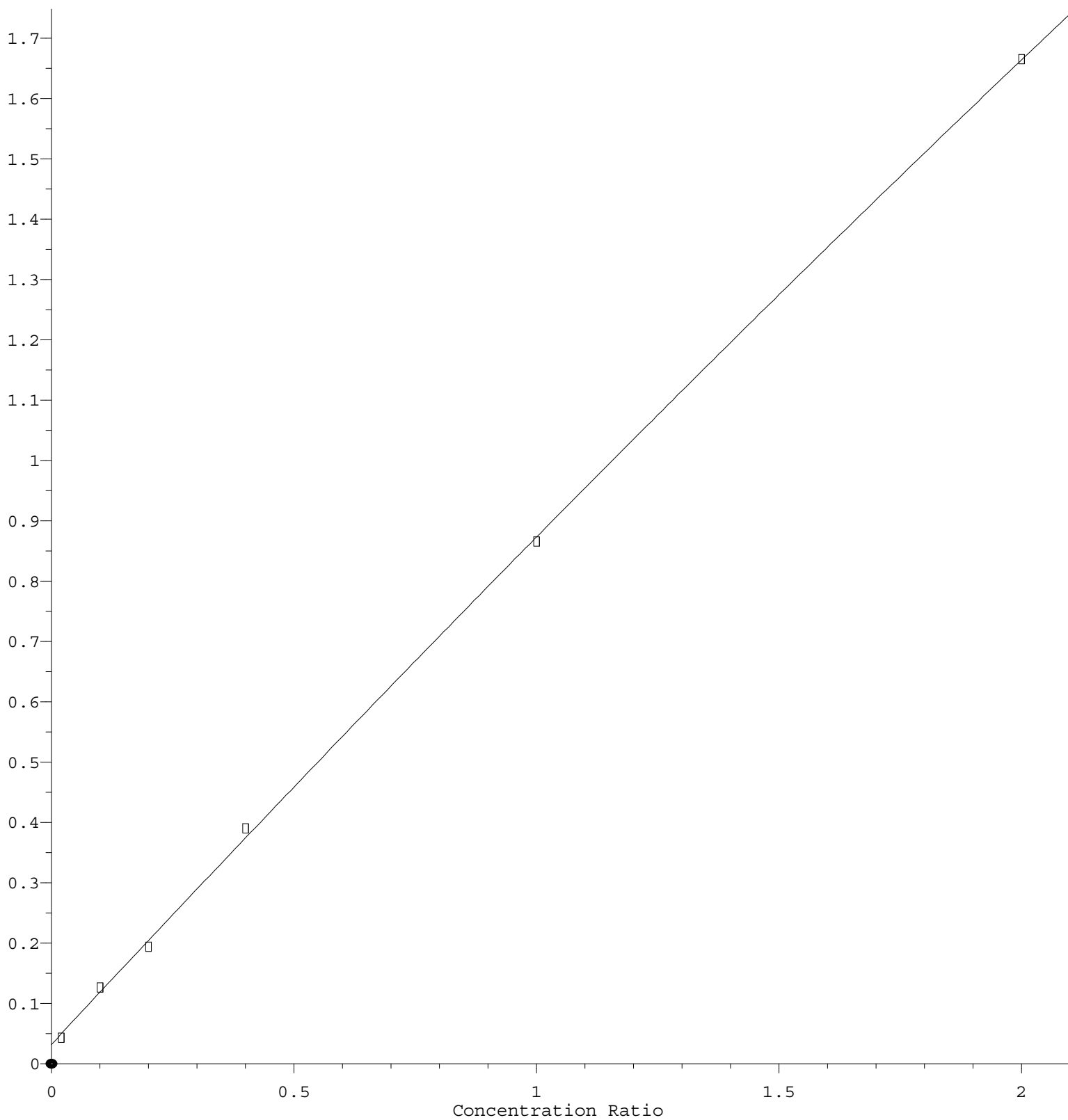
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N041525W.M

57)	T	1,3-Dichloropr...	0.629	0.617	0.567	0.602	0.564	0.571	0.592	4.75
58)	T	2-Chloroethyl ...	0.294	0.354	0.242	0.275	0.287	0.294	0.291	12.51
59)	T	2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.28
60)	T	Dibromochlorom...	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.48
61)	T	1,2-Dibromoethane	0.359	0.342	0.319	0.350	0.324	0.323	0.336	4.94
62)	S	4-Bromofluorob...		0.459	0.456	0.421	0.459	0.467	0.452	4.02
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.83
65)	PM	Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.78
66)	T	1,1,1,2-Tetrac...	0.400	0.396	0.349	0.368	0.347	0.348	0.368	6.70
67)	C	Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.39#
68)	T	m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.38
69)	T	o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.16
70)	T	Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.28
71)	P	Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7.03
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.89
74)	T	N-amyl acetate	2.690	2.110	1.879	2.000	1.778	1.760	2.036	17.03
75)	P	1,1,2,2-Tetrac...	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.07
76)	T	1,2,3-Trichlor...	1.518	1.144	1.153	1.182	1.042	1.040	1.180	14.93
77)	T	Bromobenzene	0.968	0.935	0.905	0.946	0.850	0.833	0.906	5.99
78)	T	n-propylbenzene	5.366	5.072	4.629	4.862	4.488	4.501	4.820	7.26
79)	T	2-Chlorotoluene	3.378	3.247	2.908	3.058	2.759	2.745	3.016	8.61
80)	T	1,3,5-Trimethy...	3.800	3.518	3.178	3.418	3.083	3.088	3.348	8.50
81)	T	trans-1,4-Dich...		0.526	0.493	0.494	0.461	0.482	0.491	4.81
82)	T	4-Chlorotoluene	3.304	3.152	2.851	3.047	2.810	2.812	2.996	6.86
83)	T	tert-Butylbenzene	3.382	3.057	2.795	2.886	2.608	2.675	2.901	9.80
84)	T	1,2,4-Trimethy...	3.782	3.644	3.262	3.431	3.171	3.156	3.408	7.62
85)	T	sec-Butylbenzene	4.451	4.309	3.897	3.991	3.763	3.729	4.023	7.34
86)	T	p-Isopropyltol...	3.603	3.487	3.174	3.290	3.158	3.185	3.316	5.63
87)	T	1,3-Dichlorobe...	1.866	1.822	1.618	1.698	1.610	1.608	1.704	6.72
88)	T	1,4-Dichlorobe...	1.942	1.815	1.615	1.713	1.614	1.597	1.716	8.05
89)	T	n-Butylbenzene	3.209	3.013	2.746	2.921	2.838	2.910	2.939	5.43
90)	T	Hexachloroethane	0.617	0.586	0.530	0.557	0.518	0.538	0.558	6.74
91)	T	1,2-Dichlorobe...	1.819	1.820	1.565	1.646	1.559	1.502	1.652	8.35
92)	T	1,2-Dibromo-3-...	0.234	0.274	0.229	0.251	0.222	0.213	0.237	9.21
93)	T	1,2,4-Trichlor...	0.822	0.865	0.730	0.793	0.765	0.771	0.791	5.99
94)	T	Hexachlorobuta...	0.308	0.339	0.286	0.301	0.280	0.278	0.299	7.61
95)	T	Naphthalene	3.012	2.955	2.601	2.904	2.675	2.674	2.804	6.20
96)	T	1,2,3-Trichlor...	0.819	0.810	0.697	0.749	0.708	0.709	0.749	7.25

(#) = Out of Range

Isopropyl Acetate

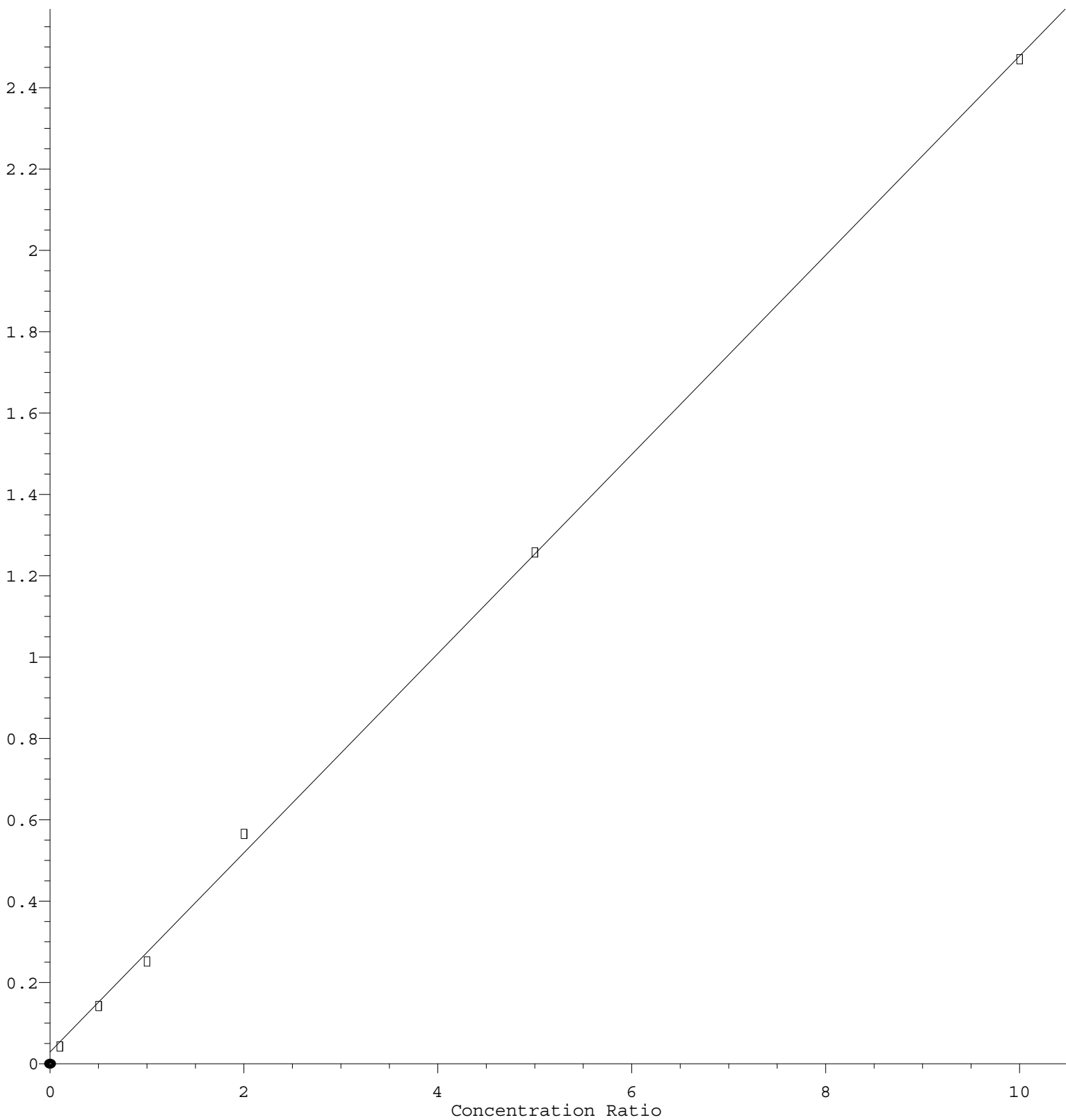
Response Ratio



$R = -2.483e-002 A^2 + 8.654e-001 A + 3.238e-002$
Coef of Det (r^2) = 0.999735 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Acetone

Response Ratio



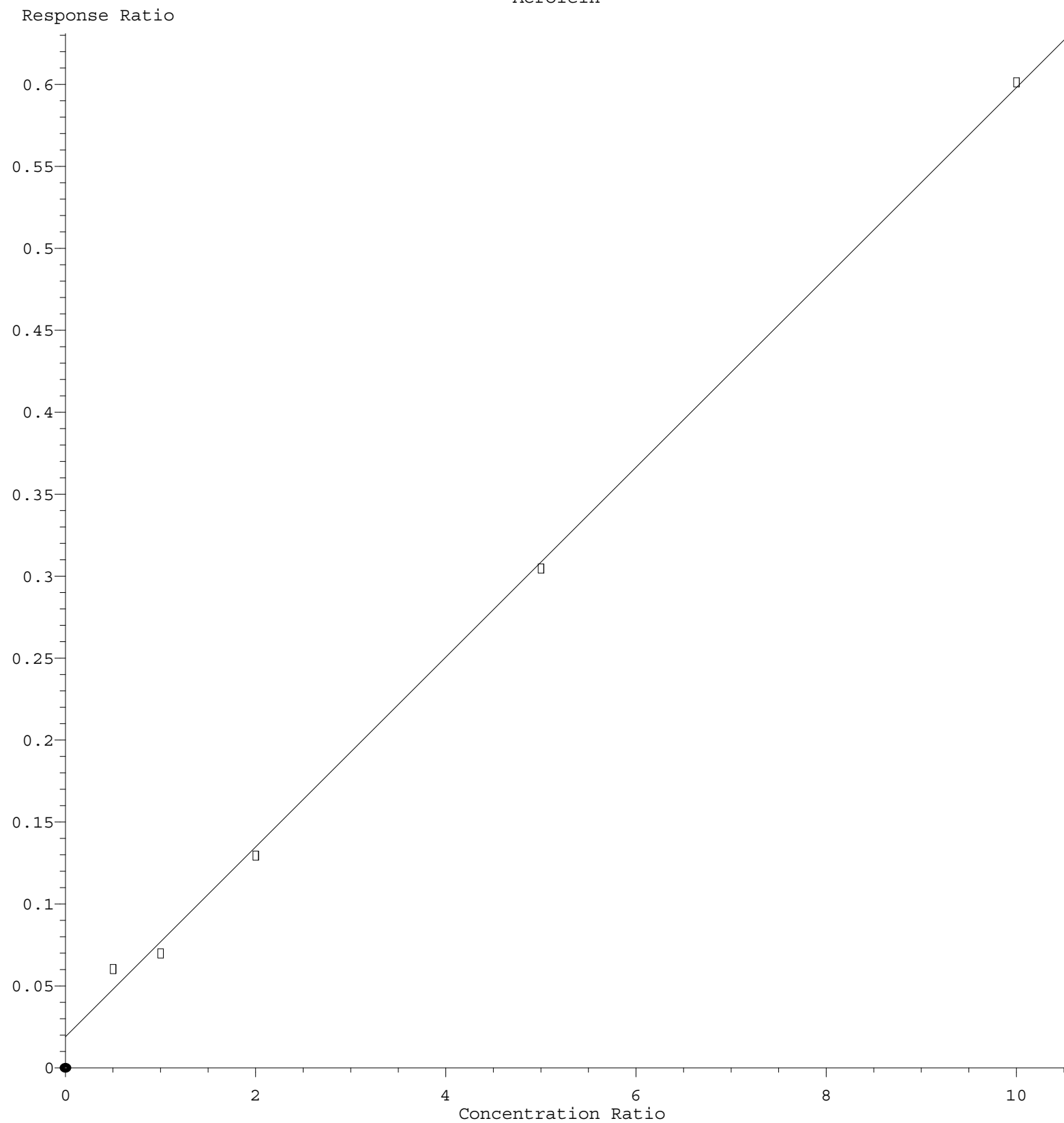
$$\text{Response} = 2.450\text{e-}001 * \text{Amt} + 2.861\text{e-}002$$

Coef of Det (r^2) = 0.999327 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M

Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Acrolein



Response = $5.796 \times 10^{-2} \times \text{Amt} + 1.861 \times 10^{-2}$
 Coef of Det (r^2) = 0.998771 Curve Fit: Linear
 Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N041525W.M
 Calibration Table Last Updated: Wed Apr 16 04:19:23 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086277.D
 Acq On : 15 Apr 2025 11:29
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:54:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	218868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	404752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	341637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	145129	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	74 - 125	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	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	2651	1.022	ug/l	95
3) Chloromethane	2.360	50	4871	1.292	ug/l	93
4) Vinyl Chloride	2.518	62	3928	1.092	ug/l	94
6) Chloroethane	3.124	64	2846	1.182	ug/l #	86
7) Trichlorofluoromethane	3.495	101	4327	1.086	ug/l #	79
8) Diethyl Ether	3.965	74	1853	1.065	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.365	101	2525	1.047	ug/l #	84
12) 1,1-Dichloroethene	4.342	96	2890	1.122	ug/l	97
14) Allyl chloride	5.018	41	5821	1.272	ug/l	94
15) Acrylonitrile	5.730	53	7256	5.069	ug/l	100
16) Acetone	4.430	43	9264m	2.774	ug/l	
17) Carbon Disulfide	4.706	76	10177	1.319	ug/l	97
18) Methyl Acetate	5.024	43	4481	1.176	ug/l	92
19) Methyl tert-butyl Ether	5.789	73	10847	1.145	ug/l #	91
20) Methylene Chloride	5.271	84	3423	1.167	ug/l #	94
21) trans-1,2-Dichloroethene	5.783	96	3079	1.143	ug/l #	84
22) Diisopropyl ether	6.665	45	11644	1.169	ug/l	98
23) Vinyl Acetate	6.606	43	38143	5.479	ug/l	96
24) 1,1-Dichloroethane	6.565	63	5756	1.095	ug/l #	85
25) 2-Butanone	7.489	43	11026	5.581	ug/l	99
26) 2,2-Dichloropropane	7.494	77	5139	1.092	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	3859	1.154	ug/l	90
28) Bromochloromethane	7.800	49	2387	1.071	ug/l #	92
29) Tetrahydrofuran	7.841	42	7367	5.577	ug/l	93
30) Chloroform	7.959	83	5771	1.118	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	4792	1.085	ug/l #	51
36) 1,1-Dichloropropene	8.371	75	4123	1.099	ug/l	94
37) Ethyl Acetate	7.559	43	4732	1.198	ug/l #	91
38) Carbon Tetrachloride	8.359	117	3808	1.066	ug/l	100
39) Methylcyclohexane	9.594	83	4950	1.110	ug/l	96
40) Benzene	8.606	78	13340	1.110	ug/l	97
41) Methacrylonitrile	7.765	41	2651	1.158	ug/l #	94
42) 1,2-Dichloroethane	8.665	62	4258	1.111	ug/l	96
43) Isopropyl Acetate	8.683	43	17444	0.619	ug/l #	75
44) Trichloroethene	9.353	130	3157	1.108	ug/l	87
45) 1,2-Dichloropropane	9.612	63	3063	1.041	ug/l #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086277.D
 Acq On : 15 Apr 2025 11:29
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:54:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

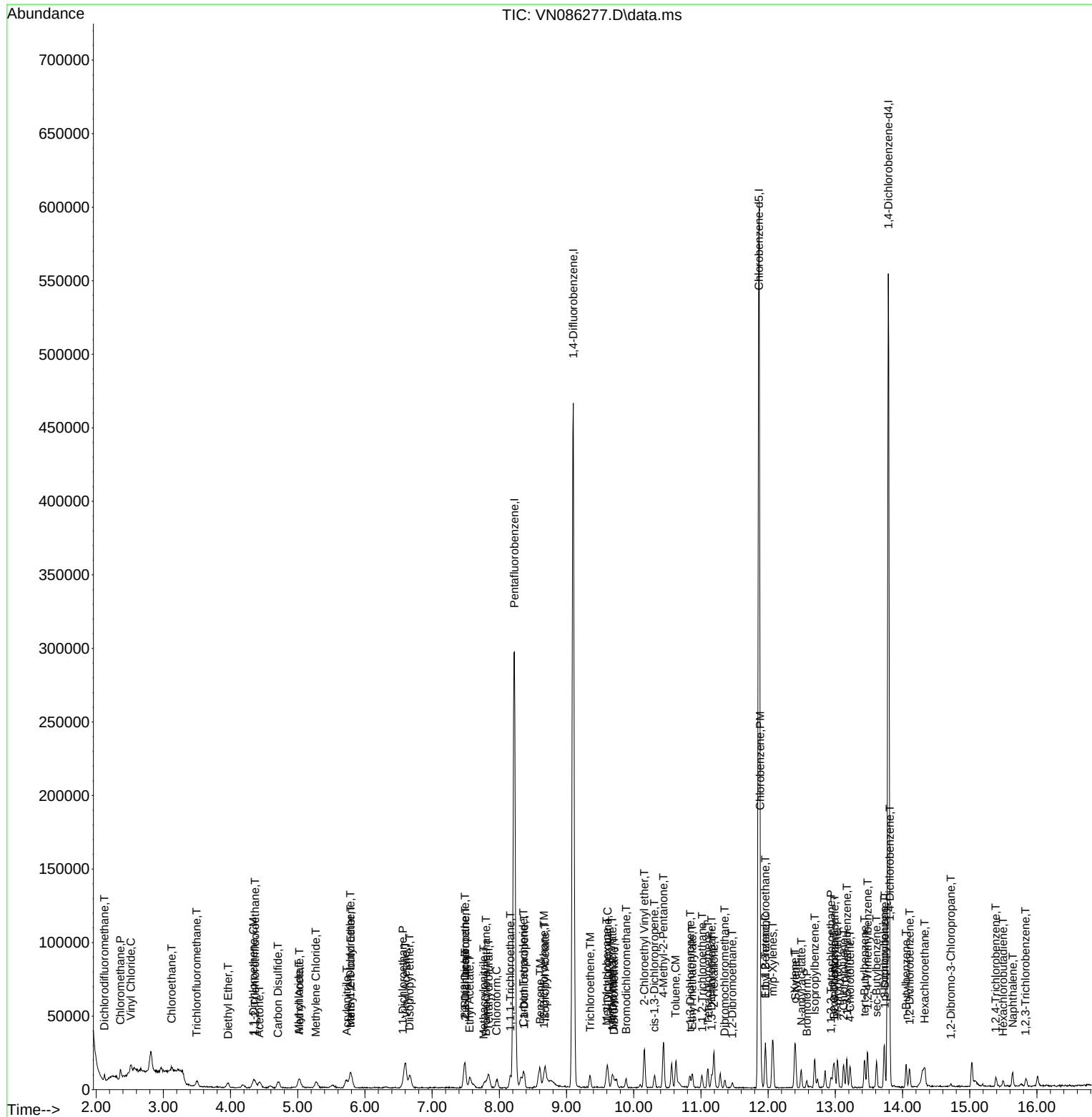
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	1891	1.009	ug/l	91
47) Bromodichloromethane	9.888	83	4302	1.062	ug/l #	97
48) Methyl methacrylate	9.683	41	4185	1.206	ug/l	94
49) 1,4-Dioxane	9.688	88	1477	25.032	ug/l #	76
51) 4-Methyl-2-Pentanone	10.441	43	21143	5.227	ug/l	98
52) Toluene	10.624	92	8120	1.083	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	4663	1.032	ug/l	93
54) cis-1,3-Dichloropropene	10.306	75	5497	1.107	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	2967	1.099	ug/l	93
56) Ethyl methacrylate	10.871	69	5409	1.090	ug/l	90
57) 1,3-Dichloropropane	11.159	76	5091	1.063	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	11885	5.048	ug/l	97
59) 2-Hexanone	11.194	43	15945	5.315	ug/l	98
60) Dibromochloromethane	11.353	129	3054	1.031	ug/l	96
61) 1,2-Dibromoethane	11.465	107	2908	1.068	ug/l	90
64) Tetrachloroethene	11.106	164	2864	1.090	ug/l	95
65) Chlorobenzene	11.882	112	8440	1.107	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	2734	1.087	ug/l #	62
67) Ethyl Benzene	11.959	91	15099	1.097	ug/l	96
68) m/p-Xylenes	12.071	106	11055	2.144	ug/l	98
69) o-Xylene	12.394	106	5408	1.061	ug/l	97
70) Styrene	12.406	104	8925	1.051	ug/l	96
71) Bromoform	12.576	173	2089	1.103	ug/l #	80
73) Isopropylbenzene	12.694	105	13542	1.141	ug/l	98
74) N-amyl acetate	12.494	43	7807	1.321	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	3910	1.145	ug/l	94
76) 1,2,3-Trichloropropane	12.988	75	4407m	1.293	ug/l	
77) Bromobenzene	12.982	156	2811	1.069	ug/l	90
78) n-propylbenzene	13.029	91	15576	1.113	ug/l	98
79) 2-Chlorotoluene	13.124	91	9804	1.120	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	11029	1.135	ug/l	99
82) 4-Chlorotoluene	13.218	91	9589	1.103	ug/l	98
83) tert-Butylbenzene	13.435	119	9817	1.166	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	10977	1.110	ug/l	96
85) sec-Butylbenzene	13.612	105	12920	1.106	ug/l	98
86) p-Isopropyltoluene	13.729	119	10458	1.086	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	5415	1.095	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	5636m	1.132	ug/l	
89) n-Butylbenzene	14.053	91	9315	1.092	ug/l	99
90) Hexachloroethane	14.329	117	1792	1.107	ug/l	86
91) 1,2-Dichlorobenzene	14.106	146	5279	1.101	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.718	75	679	0.987	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	2387	1.040	ug/l	93
94) Hexachlorobutadiene	15.494	225	893	1.030	ug/l	78
95) Naphthalene	15.641	128	8743	1.074	ug/l	97
96) 1,2,3-Trichlorobenzene	15.829	180	2378	1.094	ug/l	91

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

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086278.D
 Acq On : 15 Apr 2025 12:21
 Operator : JC\MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	234470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	436245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	17487	5.143	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.280%#		
35) Dibromofluoromethane	8.171	113	11660	5.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.520%#		
50) Toluene-d8	10.565	98	54403	5.028	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.060%#		
62) 4-Bromofluorobenzene	12.847	95	20034	5.076	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.160%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	13162	4.735	ug/l	95
3) Chloromethane	2.359	50	21191	5.246	ug/l	96
4) Vinyl Chloride	2.512	62	19342	5.018	ug/l	99
5) Bromomethane	2.948	94	8981	5.180	ug/l	91
6) Chloroethane	3.112	64	13592	5.268	ug/l	98
7) Trichlorofluoromethane	3.495	101	22304	5.223	ug/l	92
8) Diethyl Ether	3.959	74	9862	5.291	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	13633	5.278	ug/l	99
10) Methyl Iodide	4.589	142	14033	4.941	ug/l	94
11) Tert butyl alcohol	5.518	59	16966	27.348	ug/l #	88
12) 1,1-Dichloroethene	4.342	96	14583	5.284	ug/l	94
13) Acrolein	4.177	56	14133	35.938	ug/l	91
14) Allyl chloride	5.018	41	25369	5.174	ug/l	98
15) Acrylonitrile	5.712	53	40960	26.709	ug/l	99
16) Acetone	4.430	43	33298	23.124	ug/l	100
17) Carbon Disulfide	4.712	76	43706	5.289	ug/l	98
18) Methyl Acetate	5.024	43	21384	5.239	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	53138	5.238	ug/l	92
20) Methylene Chloride	5.277	84	16566	5.270	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	15380	5.331	ug/l	98
22) Diisopropyl ether	6.665	45	55913	5.239	ug/l #	98
23) Vinyl Acetate	6.600	43	205955m	27.614	ug/l	
24) 1,1-Dichloroethane	6.559	63	29865	5.304	ug/l	99
25) 2-Butanone	7.483	43	55470	26.210	ug/l	100
26) 2,2-Dichloropropane	7.488	77	27048	5.365	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	18982	5.301	ug/l	97
28) Bromochloromethane	7.806	49	14246	5.967	ug/l	95
29) Tetrahydrofuran	7.841	42	37437	26.453	ug/l	99
30) Chloroform	7.965	83	28901	5.225	ug/l	98
31) Cyclohexane	8.253	56	33730	6.122	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	25387	5.365	ug/l	89
36) 1,1-Dichloropropene	8.371	75	21310	5.270	ug/l	100
37) Ethyl Acetate	7.559	43	22206	5.216	ug/l	99
38) Carbon Tetrachloride	8.359	117	20544	5.335	ug/l	92
39) Methylcyclohexane	9.594	83	25242	5.251	ug/l	99
40) Benzene	8.600	78	67406	5.202	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086278.D
 Acq On : 15 Apr 2025 12:21
 Operator : JC\MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	12454	5.047	ug/l	95
42) 1,2-Dichloroethane	8.671	62	21638	5.237	ug/l	100
43) Isopropyl Acetate	8.682	43	55105	5.444	ug/l #	90
44) Trichloroethene	9.353	130	15562	5.067	ug/l	95
45) 1,2-Dichloropropane	9.618	63	16719	5.272	ug/l	94
46) Dibromomethane	9.706	93	10633	5.262	ug/l	97
47) Bromodichloromethane	9.888	83	23118	5.297	ug/l	95
48) Methyl methacrylate	9.682	41	19018	5.087	ug/l	98
49) 1,4-Dioxane	9.688	88	6722	105.699	ug/l	97
51) 4-Methyl-2-Pentanone	10.441	43	113773	26.097	ug/l	100
52) Toluene	10.624	92	42032	5.199	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	25020	5.136	ug/l	99
54) cis-1,3-Dichloropropene	10.306	75	27737	5.183	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	15559	5.349	ug/l	98
56) Ethyl methacrylate	10.871	69	28102	5.256	ug/l	97
57) 1,3-Dichloropropane	11.159	76	26905	5.213	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	77113	30.387	ug/l	100
59) 2-Hexanone	11.194	43	84443	26.113	ug/l	99
60) Dibromochloromethane	11.359	129	16611	5.201	ug/l	100
61) 1,2-Dibromoethane	11.471	107	14929	5.087	ug/l	97
64) Tetrachloroethene	11.100	164	14998	5.188	ug/l	96
65) Chlorobenzene	11.888	112	44164	5.265	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	14896	5.383	ug/l	98
67) Ethyl Benzene	11.959	91	79376	5.244	ug/l	97
68) m/p-Xylenes	12.071	106	59758	10.537	ug/l	99
69) o-Xylene	12.394	106	29751	5.305	ug/l	98
70) Styrene	12.406	104	48407	5.180	ug/l	99
71) Bromoform	12.576	173	11065	5.311	ug/l #	97
73) Isopropylbenzene	12.694	105	71658	5.221	ug/l	100
74) N-amyl acetate	12.488	43	35409	5.182	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	21720	5.503	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	19196m	4.870	ug/l	
77) Bromobenzene	12.976	156	15681	5.156	ug/l	93
78) n-propylbenzene	13.035	91	85101	5.261	ug/l	99
79) 2-Chlorotoluene	13.123	91	54490	5.384	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	59035	5.255	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	8832m	5.357	ug/l	
82) 4-Chlorotoluene	13.217	91	52887	5.260	ug/l	99
83) tert-Butylbenzene	13.435	119	51302	5.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	61145	5.347	ug/l	98
85) sec-Butylbenzene	13.612	105	72305	5.355	ug/l	99
86) p-Isopropyltoluene	13.723	119	58514	5.258	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	30570	5.347	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	30447	5.287	ug/l	94
89) n-Butylbenzene	14.053	91	50562	5.126	ug/l	99
90) Hexachloroethane	14.329	117	9832	5.252	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	30546	5.511	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	4593	5.772	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	14506	5.465	ug/l	99
94) Hexachlorobutadiene	15.500	225	5680	5.669	ug/l	97
95) Naphthalene	15.641	128	49586	5.270	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	13599	5.412	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086278.D
Acq On : 15 Apr 2025 12:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:55:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

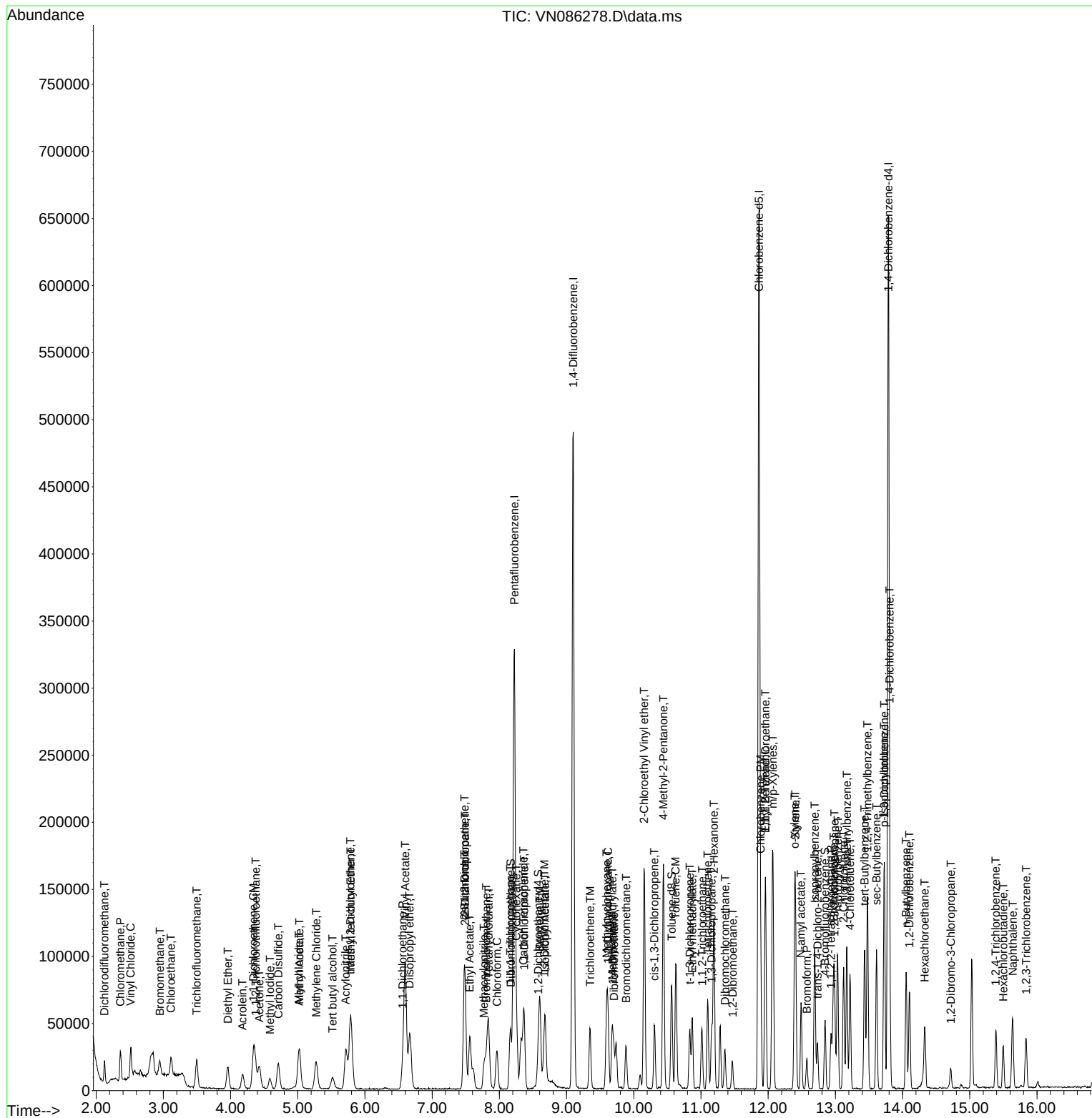
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086279.D
 Acq On : 15 Apr 2025 12:45
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	253576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	468933	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	411009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	37770	10.272	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	20.540%#		
35) Dibromofluoromethane	8.159	113	23907	10.985	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	21.960%#		
50) Toluene-d8	10.565	98	120121	10.327	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	20.660%#		
62) 4-Bromofluorobenzene	12.847	95	42791	10.086	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	20.180%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	29521	9.821	ug/l	96
3) Chloromethane	2.359	50	39728	9.094	ug/l	94
4) Vinyl Chloride	2.518	62	39819	9.551	ug/l	99
5) Bromomethane	2.965	94	18776	10.013	ug/l	87
6) Chloroethane	3.124	64	26337	9.439	ug/l	92
7) Trichlorofluoromethane	3.506	101	43539	9.428	ug/l	99
8) Diethyl Ether	3.959	74	19000	9.425	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	26478	9.478	ug/l	99
10) Methyl Iodide	4.589	142	28586	9.308	ug/l	98
11) Tert butyl alcohol	5.506	59	34343	51.188	ug/l	99
12) 1,1-Dichloroethene	4.342	96	28022	9.389	ug/l	90
13) Acrolein	4.183	56	17703	44.165	ug/l	99
14) Allyl chloride	5.024	41	48555m	9.157	ug/l	
15) Acrylonitrile	5.718	53	78184	47.141	ug/l	97
16) Acetone	4.430	43	63789	45.485	ug/l	99
17) Carbon Disulfide	4.712	76	81234	9.090	ug/l	99
18) Methyl Acetate	5.024	43	41546	9.413	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	102069	9.304	ug/l	95
20) Methylene Chloride	5.277	84	31218	9.183	ug/l	97
21) trans-1,2-Dichloroethene	5.783	96	28271	9.060	ug/l	99
22) Diisopropyl ether	6.671	45	106867	9.259	ug/l	97
23) Vinyl Acetate	6.600	43	386388	47.903	ug/l	100
24) 1,1-Dichloroethane	6.571	63	56906	9.345	ug/l	96
25) 2-Butanone	7.477	43	106429	46.500	ug/l	98
26) 2,2-Dichloropropane	7.488	77	51934	9.525	ug/l	100
27) cis-1,2-Dichloroethene	7.488	96	35180	9.084	ug/l	99
28) Bromochloromethane	7.806	49	22094	8.557	ug/l	98
29) Tetrahydrofuran	7.835	42	72642	47.462	ug/l	100
30) Chloroform	7.965	83	56896	9.511	ug/l	95
31) Cyclohexane	8.253	56	57797	9.699	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	48313	9.441	ug/l	93
36) 1,1-Dichloropropene	8.371	75	39999	9.202	ug/l	98
37) Ethyl Acetate	7.559	43	42951	9.385	ug/l	99
38) Carbon Tetrachloride	8.359	117	38345	9.263	ug/l	99
39) Methylcyclohexane	9.594	83	48076	9.305	ug/l	98
40) Benzene	8.606	78	130256	9.352	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086279.D
 Acq On : 15 Apr 2025 12:45
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	26058	9.824	ug/l	98
42) 1,2-Dichloroethane	8.671	62	41980	9.452	ug/l	100
43) Isopropyl Acetate	8.682	43	90916	9.381	ug/l	95
44) Trichloroethene	9.347	130	31281	9.476	ug/l	94
45) 1,2-Dichloropropane	9.618	63	33270	9.759	ug/l	98
46) Dibromomethane	9.706	93	20677	9.519	ug/l	97
47) Bromodichloromethane	9.882	83	44773	9.543	ug/l	97
48) Methyl methacrylate	9.676	41	37900	9.430	ug/l	98
49) 1,4-Dioxane	9.688	88	13198	193.063	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	224548	47.916	ug/l	98
52) Toluene	10.623	92	81084	9.330	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	49510	9.454	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	54411	9.459	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	29512	9.439	ug/l	93
56) Ethyl methacrylate	10.871	69	54203	9.431	ug/l	98
57) 1,3-Dichloropropane	11.159	76	53151	9.581	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	113279	41.526	ug/l	99
59) 2-Hexanone	11.194	43	166643	47.941	ug/l	100
60) Dibromochloromethane	11.353	129	33195	9.668	ug/l	98
61) 1,2-Dibromoethane	11.465	107	29886	9.473	ug/l	99
64) Tetrachloroethene	11.100	164	29467	9.321	ug/l	99
65) Chlorobenzene	11.888	112	86997	9.485	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	28657	9.471	ug/l	97
67) Ethyl Benzene	11.959	91	153929	9.300	ug/l	99
68) m/p-Xylenes	12.065	106	115926	18.692	ug/l	99
69) o-Xylene	12.394	106	58314	9.508	ug/l	99
70) Styrene	12.406	104	95045	9.301	ug/l	100
71) Bromoform	12.576	173	21240	9.323	ug/l #	100
73) Isopropylbenzene	12.694	105	142461	9.757	ug/l	100
74) N-amyl acetate	12.488	43	67074	9.228	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	42167	10.045	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	41148m	9.813	ug/l	
77) Bromobenzene	12.976	156	32305	9.986	ug/l	99
78) n-propylbenzene	13.035	91	165250	9.605	ug/l	99
79) 2-Chlorotoluene	13.123	91	103789	9.641	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	113458	9.494	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	17595	10.033	ug/l	92
82) 4-Chlorotoluene	13.217	91	101784	9.518	ug/l	99
83) tert-Butylbenzene	13.435	119	99779	9.636	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	116448	9.573	ug/l	99
85) sec-Butylbenzene	13.612	105	139108	9.686	ug/l	99
86) p-Isopropyltoluene	13.729	119	113316	9.572	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	57753	9.497	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	57656	9.412	ug/l	98
89) n-Butylbenzene	14.053	91	98010	9.340	ug/l	99
90) Hexachloroethane	14.329	117	18922	9.503	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	55856	9.473	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8165	9.646	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	26050	9.227	ug/l	99
94) Hexachlorobutadiene	15.494	225	10205	9.575	ug/l	97
95) Naphthalene	15.635	128	92844	9.277	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	24879	9.308	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086279.D
Acq On : 15 Apr 2025 12:45
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:56:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration

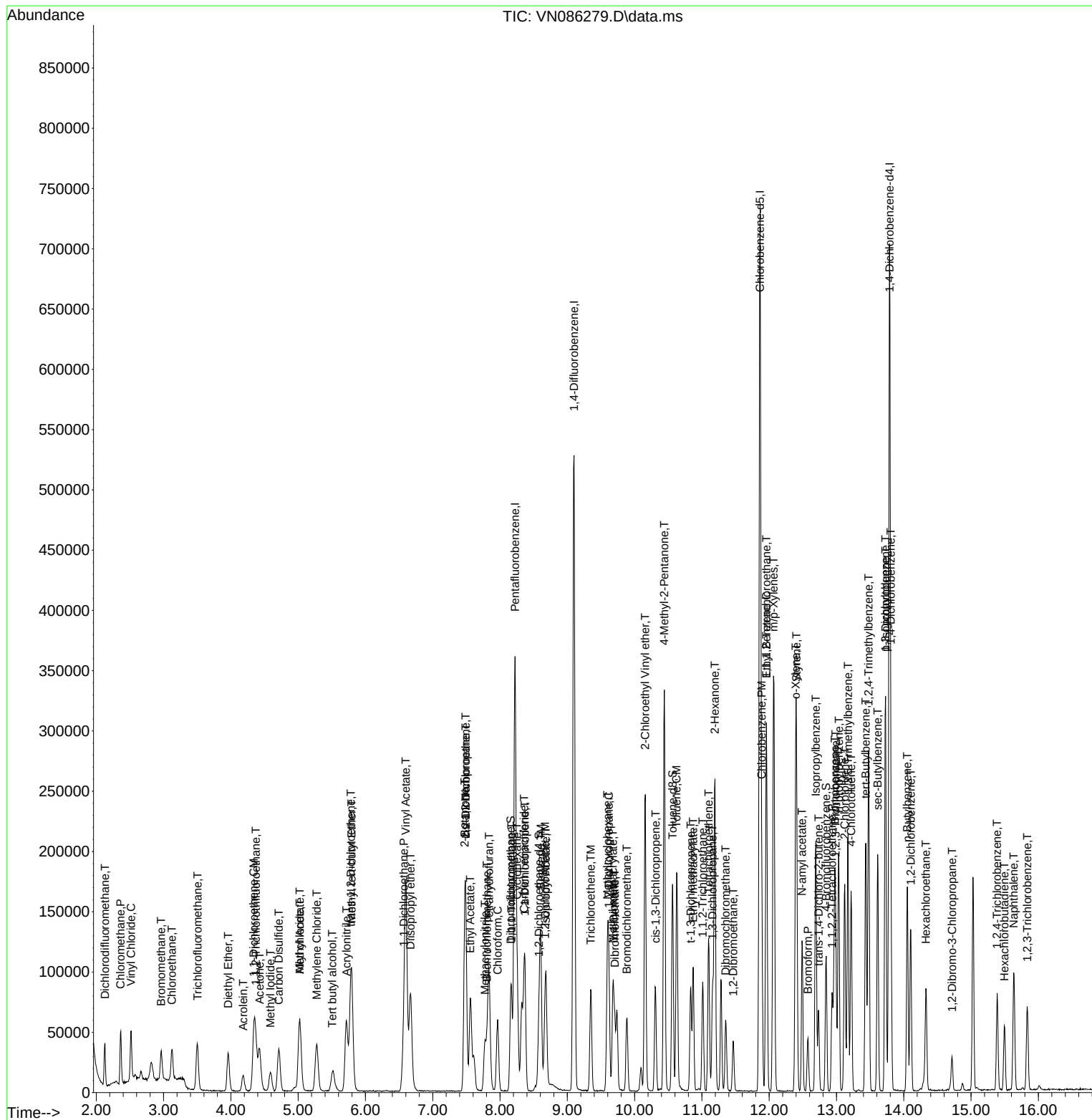
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086280.D
 Acq On : 15 Apr 2025 13:09
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	217195	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	404366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	355626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	61458	19.513	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.020%#		
35) Dibromofluoromethane	8.165	113	37195	19.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.640%#		
50) Toluene-d8	10.565	98	191691	19.112	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.220%#		
62) 4-Bromofluorobenzene	12.847	95	68030	18.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.200%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	54177	21.042	ug/l	99
3) Chloromethane	2.359	50	71193	19.026	ug/l	98
4) Vinyl Chloride	2.518	62	73472	20.576	ug/l	99
5) Bromomethane	2.959	94	34343	21.382	ug/l	98
6) Chloroethane	3.124	64	47157	19.732	ug/l	99
7) Trichlorofluoromethane	3.501	101	80568	20.369	ug/l	98
8) Diethyl Ether	3.959	74	36034	20.868	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	49252	20.584	ug/l	99
10) Methyl Iodide	4.589	142	55289	21.017	ug/l	99
11) Tert butyl alcohol	5.512	59	61718	107.400	ug/l	97
12) 1,1-Dichloroethene	4.348	96	51127	20.000	ug/l	98
13) Acrolein	4.183	56	28121	95.627	ug/l	99
14) Allyl chloride	5.024	41	89076	19.612	ug/l	99
15) Acrylonitrile	5.712	53	148850	104.781	ug/l	100
16) Acetone	4.424	43	122726	109.479	ug/l	98
17) Carbon Disulfide	4.712	76	149518	19.534	ug/l	100
18) Methyl Acetate	5.024	43	75070	19.857	ug/l	100
19) Methyl tert-butyl Ether	5.795	73	191056	20.332	ug/l	97
20) Methylene Chloride	5.277	84	58230	19.999	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	53894	20.165	ug/l	99
22) Diisopropyl ether	6.671	45	196831	19.911	ug/l	98
23) Vinyl Acetate	6.600	43	713534m	103.278	ug/l	
24) 1,1-Dichloroethane	6.565	63	104777	20.087	ug/l	99
25) 2-Butanone	7.477	43	202298	103.191	ug/l	99
26) 2,2-Dichloropropane	7.489	77	94147	20.159	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	66347	20.001	ug/l	99
28) Bromochloromethane	7.812	49	40391	18.263	ug/l	100
29) Tetrahydrofuran	7.836	42	136348	104.008	ug/l	99
30) Chloroform	7.965	83	103881	20.274	ug/l	100
31) Cyclohexane	8.253	56	101546	19.895	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	89173	20.344	ug/l	97
36) 1,1-Dichloropropene	8.365	75	75426	20.122	ug/l	99
37) Ethyl Acetate	7.553	43	79383	20.115	ug/l	99
38) Carbon Tetrachloride	8.359	117	72704	20.367	ug/l	99
39) Methylcyclohexane	9.594	83	88728	19.915	ug/l	98
40) Benzene	8.600	78	243918	20.310	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086280.D
 Acq On : 15 Apr 2025 13:09
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/16/2025

Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Quant Title : SW846 8260

QLast Update : Wed Apr 16 03:42:50 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	45760	20.007	ug/l	100
42) 1,2-Dichloroethane	8.665	62	77932	20.348	ug/l	100
43) Isopropyl Acetate	8.683	43	157753	20.921	ug/l	99
44) Trichloroethene	9.353	130	56926	19.998	ug/l	99
45) 1,2-Dichloropropane	9.618	63	59599	20.273	ug/l	98
46) Dibromomethane	9.706	93	38601	20.608	ug/l	98
47) Bromodichloromethane	9.888	83	82517	20.397	ug/l	98
48) Methyl methacrylate	9.677	41	69986	20.195	ug/l	99
49) 1,4-Dioxane	9.694	88	24362	413.277	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	421471	104.297	ug/l	100
52) Toluene	10.630	92	152248	20.317	ug/l	99
53) t-1,3-Dichloropropene	10.830	75	92441	20.470	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	100415	20.245	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	53630	19.891	ug/l	97
56) Ethyl methacrylate	10.871	69	100712	20.321	ug/l	99
57) 1,3-Dichloropropane	11.159	76	97363	20.353	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	222766	94.702	ug/l	100
59) 2-Hexanone	11.194	43	309954	103.408	ug/l	100
60) Dibromochloromethane	11.359	129	60596	20.467	ug/l	100
61) 1,2-Dibromoethane	11.465	107	56679	20.834	ug/l	99
64) Tetrachloroethene	11.100	164	55481	20.282	ug/l	97
65) Chlorobenzene	11.888	112	158917	20.024	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	52389	20.010	ug/l	98
67) Ethyl Benzene	11.959	91	288483	20.144	ug/l	99
68) m/p-Xylenes	12.071	106	215301	40.122	ug/l	99
69) o-Xylene	12.394	106	107161	20.193	ug/l	99
70) Styrene	12.406	104	177099	20.029	ug/l	99
71) Bromoform	12.576	173	39697	20.138	ug/l #	98
73) Isopropylbenzene	12.694	105	264607	20.443	ug/l	99
74) N-amyl acetate	12.488	43	126575	19.643	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	76740	20.620	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	74829m	20.130	ug/l	
77) Bromobenzene	12.976	156	59889	20.882	ug/l	99
78) n-propylbenzene	13.029	91	307737	20.176	ug/l	100
79) 2-Chlorotoluene	13.124	91	193569	20.281	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	216364	20.423	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	31256m	20.104	ug/l	
82) 4-Chlorotoluene	13.218	91	192849	20.341	ug/l	99
83) tert-Butylbenzene	13.435	119	182683	19.901	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	217135	20.135	ug/l	100
85) sec-Butylbenzene	13.612	105	252593	19.838	ug/l	99
86) p-Isopropyltoluene	13.723	119	208256	19.844	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	107491	19.938	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	108412	19.964	ug/l	99
89) n-Butylbenzene	14.053	91	184852	19.871	ug/l	99
90) Hexachloroethane	14.329	117	35250	19.968	ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	104185	19.932	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15863	21.139	ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	50179	20.048	ug/l	99
94) Hexachlorobutadiene	15.494	225	19024	20.135	ug/l	99
95) Naphthalene	15.635	128	183816	20.717	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	47425	20.013	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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

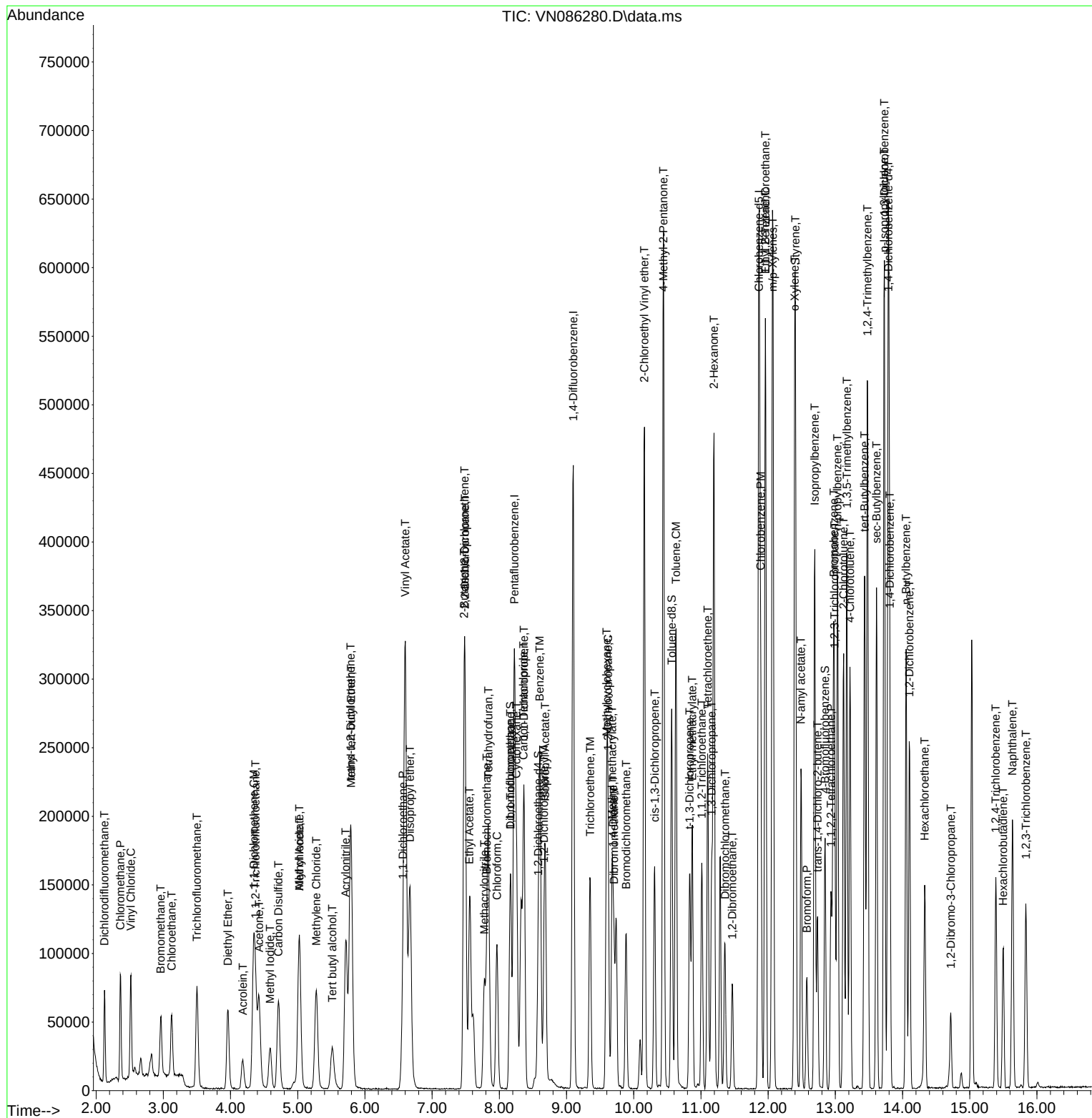
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086280.D
Acq On : 15 Apr 2025 13:09
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086281.D
 Acq On : 15 Apr 2025 13:51
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	223468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	413969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	367304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	160758	49.609	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.220%		
35) Dibromofluoromethane	8.165	113	88836	46.238	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.480%		
50) Toluene-d8	10.565	98	517785	50.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.860%		
62) 4-Bromofluorobenzene	12.847	95	190049	50.744	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.480%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	132017	49.836	ug/l	100
3) Chloromethane	2.359	50	168565	43.783	ug/l	100
4) Vinyl Chloride	2.518	62	176686	48.092	ug/l	100
5) Bromomethane	2.953	94	79546	48.135	ug/l	100
6) Chloroethane	3.118	64	111725	45.437	ug/l	100
7) Trichlorofluoromethane	3.501	101	192876	47.395	ug/l	100
8) Diethyl Ether	3.959	74	83664	47.092	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	117478	47.719	ug/l	100
10) Methyl Iodide	4.589	142	133779	49.427	ug/l	100
11) Tert butyl alcohol	5.512	59	138743	234.659	ug/l	100
12) 1,1-Dichloroethene	4.342	96	123106	46.805	ug/l	100
13) Acrolein	4.177	56	68075	246.717	ug/l	100
14) Allyl chloride	5.024	41	207525	44.409	ug/l	100
15) Acrylonitrile	5.712	53	354632	242.632	ug/l	100
16) Acetone	4.424	43	280935	250.761	ug/l	100
17) Carbon Disulfide	4.712	76	348133	44.205	ug/l	100
18) Methyl Acetate	5.018	43	174600	44.886	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	449127	46.453	ug/l	100
20) Methylene Chloride	5.271	84	138293	46.163	ug/l	100
21) trans-1,2-Dichloroethene	5.789	96	128404	46.696	ug/l	100
22) Diisopropyl ether	6.665	45	471385	46.345	ug/l	100
23) Vinyl Acetate	6.600	43	1657348	233.153	ug/l	100
24) 1,1-Dichloroethane	6.565	63	253896	47.310	ug/l	100
25) 2-Butanone	7.477	43	475281	235.633	ug/l	100
26) 2,2-Dichloropropane	7.483	77	219735	45.729	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	159460	46.722	ug/l	100
28) Bromochloromethane	7.806	49	110726	48.660	ug/l	100
29) Tetrahydrofuran	7.836	42	313920	232.739	ug/l	100
30) Chloroform	7.965	83	246843	46.823	ug/l	100
31) Cyclohexane	8.253	56	238117	45.343	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	212021	47.013	ug/l	100
36) 1,1-Dichloropropene	8.365	75	183246	47.752	ug/l	100
37) Ethyl Acetate	7.553	43	184834	45.750	ug/l	100
38) Carbon Tetrachloride	8.359	117	175094	47.912	ug/l	100
39) Methylcyclohexane	9.594	83	216725	47.515	ug/l	100
40) Benzene	8.600	78	583316	47.443	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086281.D
 Acq On : 15 Apr 2025 13:51
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	109214	46.643	ug/l	100
42) 1,2-Dichloroethane	8.665	62	183854	46.892	ug/l	100
43) Isopropyl Acetate	8.683	43	358327	49.550	ug/l	100
44) Trichloroethene	9.347	130	139993	48.039	ug/l	100
45) 1,2-Dichloropropane	9.618	63	144496	48.011	ug/l	100
46) Dibromomethane	9.706	93	93965	49.002	ug/l	100
47) Bromodichloromethane	9.882	83	196793	47.516	ug/l	100
48) Methyl methacrylate	9.677	41	163719	46.146	ug/l	100
49) 1,4-Dioxane	9.694	88	53851	892.337	ug/l	100
51) 4-Methyl-2-Pentanone	10.441	43	1000994	241.959	ug/l	100
52) Toluene	10.629	92	369349	48.144	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	226518	48.996	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	238764	47.021	ug/l	100
55) 1,1,2-Trichloroethane	11.012	97	131721	47.721	ug/l	100
56) Ethyl methacrylate	10.871	69	239654	47.235	ug/l	100
57) 1,3-Dichloropropane	11.159	76	233548	47.689	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	594475	246.859	ug/l	100
59) 2-Hexanone	11.194	43	734660	239.414	ug/l	100
60) Dibromochloromethane	11.359	129	146318	48.274	ug/l	100
61) 1,2-Dibromoethane	11.465	107	134281	48.213	ug/l	100
64) Tetrachloroethene	11.100	164	136116	48.177	ug/l	100
65) Chlorobenzene	11.888	112	385849	47.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	127627	47.197	ug/l	100
67) Ethyl Benzene	11.959	91	704474	47.627	ug/l	100
68) m/p-Xylenes	12.065	106	533742	96.302	ug/l	100
69) o-Xylene	12.394	106	261904	47.783	ug/l	100
70) Styrene	12.406	104	447486	48.998	ug/l	100
71) Bromoform	12.576	173	95822	47.065	ug/l #	100
73) Isopropylbenzene	12.694	105	647490	45.568	ug/l	100
74) N-amyl acetate	12.488	43	308916	43.670	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.935	83	179865	44.025	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	181010m	44.357	ug/l	
77) Bromobenzene	12.976	156	147720	46.919	ug/l	100
78) n-propylbenzene	13.035	91	779530	46.556	ug/l	100
79) 2-Chlorotoluene	13.123	91	479235	45.740	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	535465	46.042	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	80078m	46.919	ug/l	
82) 4-Chlorotoluene	13.218	91	488049	46.893	ug/l	100
83) tert-Butylbenzene	13.435	119	452999	44.954	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	550727	46.521	ug/l	100
85) sec-Butylbenzene	13.612	105	653679	46.767	ug/l	100
86) p-Isopropyltoluene	13.723	119	548528	47.611	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	279645	47.249	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	280378	47.032	ug/l	100
89) n-Butylbenzene	14.053	91	492941	48.271	ug/l	100
90) Hexachloroethane	14.329	117	90009	46.447	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	270731	47.181	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	38625	46.887	ug/l	100
93) 1,2,4-Trichlorobenzene	15.388	180	132919	48.375	ug/l	100
94) Hexachlorobutadiene	15.500	225	48694	46.947	ug/l	100
95) Naphthalene	15.635	128	464685	47.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	122910	47.249	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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

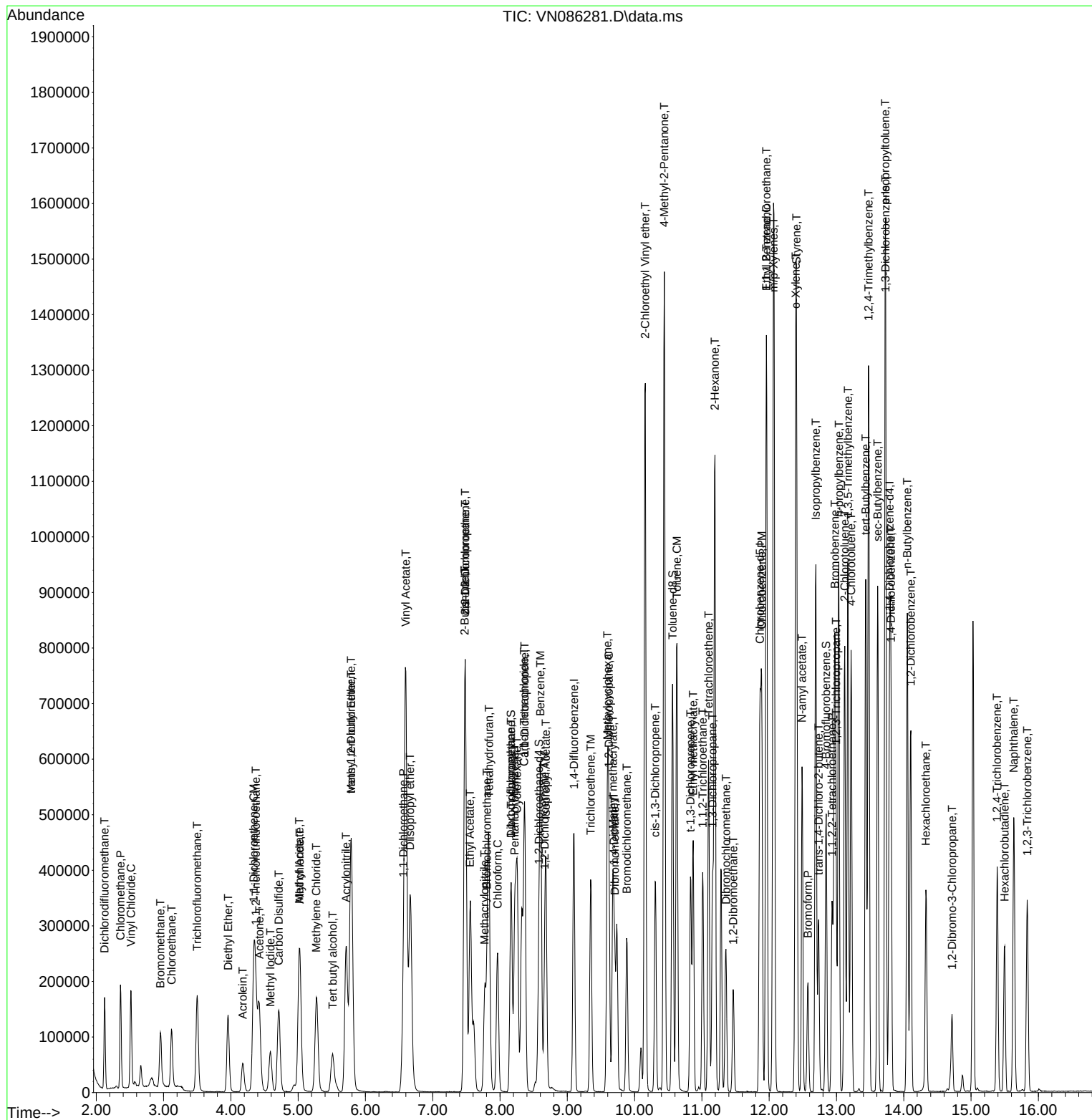
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086281.D
Acq On : 15 Apr 2025 13:51
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By : John Carlone 04/16/2025
Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:57:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086282.D
 Acq On : 15 Apr 2025 14:29
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	228089	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	422902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	322920	97.633	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 195.260%#	
35) Dibromofluoromethane	8.165	113	163696	83.402	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 166.800%#	
50) Toluene-d8	10.565	98	1046538	99.767	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 199.540%#	
62) 4-Bromofluorobenzene	12.847	95	394671	103.153	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 206.300%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	270450	100.025	ug/l	100
3) Chloromethane	2.359	50	362586	92.270	ug/l	99
4) Vinyl Chloride	2.512	62	359654	95.910	ug/l	99
5) Bromomethane	2.930	94	157044	93.105	ug/l	99
6) Chloroethane	3.106	64	232218	92.528	ug/l	98
7) Trichlorofluoromethane	3.494	101	398967	96.050	ug/l	97
8) Diethyl Ether	3.959	74	172130	94.924	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	242697	96.585	ug/l	99
10) Methyl Iodide	4.583	142	287740	104.156	ug/l	99
11) Tert butyl alcohol	5.518	59	262412	434.831	ug/l	99
12) 1,1-Dichloroethene	4.336	96	254035	94.627	ug/l	97
13) Acrolein	4.171	56	137131	502.553	ug/l	97
14) Allyl chloride	5.018	41	435112	91.225	ug/l	98
15) Acrylonitrile	5.712	53	713644	478.368	ug/l	99
16) Acetone	4.424	43	563323	498.290	ug/l	99
17) Carbon Disulfide	4.712	76	685619	85.294	ug/l	99
18) Methyl Acetate	5.018	43	374831	94.410	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	918634	93.089	ug/l	99
20) Methylene Chloride	5.271	84	286733	93.774	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	264504	94.241	ug/l	100
22) Diisopropyl ether	6.665	45	970652	93.497	ug/l	99
23) Vinyl Acetate	6.600	43	3184505	438.915	ug/l	99
24) 1,1-Dichloroethane	6.565	63	525385	95.914	ug/l	100
25) 2-Butanone	7.477	43	958217	465.437	ug/l	99
26) 2,2-Dichloropropane	7.488	77	470852	96.005	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	328329	94.252	ug/l	100
28) Bromochloromethane	7.812	49	230762	99.357	ug/l	99
29) Tetrahydrofuran	7.835	42	623822	453.130	ug/l	100
30) Chloroform	7.959	83	503712	93.611	ug/l	100
31) Cyclohexane	8.253	56	484648	90.418	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	432964	94.058	ug/l	97
36) 1,1-Dichloropropene	8.365	75	378663	96.591	ug/l	100
37) Ethyl Acetate	7.553	43	371298	89.962	ug/l	100
38) Carbon Tetrachloride	8.359	117	360081	96.450	ug/l	99
39) Methylcyclohexane	9.600	83	448842	96.325	ug/l	98
40) Benzene	8.600	78	1193479	95.020	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086282.D
 Acq On : 15 Apr 2025 14:29
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 03:42:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	219337	91.695	ug/l	100
42) 1,2-Dichloroethane	8.665	62	377081	94.143	ug/l	99
43) Isopropyl Acetate	8.682	43	704184	100.085	ug/l	100
44) Trichloroethene	9.347	130	288832	97.020	ug/l	98
45) 1,2-Dichloropropane	9.618	63	293625	95.501	ug/l	99
46) Dibromomethane	9.706	93	191324	97.667	ug/l	100
47) Bromodichloromethane	9.882	83	403514	95.372	ug/l	97
48) Methyl methacrylate	9.676	41	326384	90.052	ug/l	98
49) 1,4-Dioxane	9.688	88	98711	1601.137	ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	1989761	470.803	ug/l	99
52) Toluene	10.629	92	757019	96.592	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	468739	99.248	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	496721	95.755	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	264481	93.795	ug/l	97
56) Ethyl methacrylate	10.870	69	494791	95.461	ug/l	100
57) 1,3-Dichloropropane	11.159	76	482562	96.455	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	1242387	505.011	ug/l	99
59) 2-Hexanone	11.194	43	1476474	470.996	ug/l	100
60) Dibromochloromethane	11.359	129	301498	97.371	ug/l	100
61) 1,2-Dibromoethane	11.465	107	273587	96.156	ug/l	100
64) Tetrachloroethene	11.100	164	281669	96.294	ug/l	97
65) Chlorobenzene	11.888	112	805194	94.881	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	264532	94.488	ug/l	100
67) Ethyl Benzene	11.959	91	1476238	96.398	ug/l	100
68) m/p-Xylenes	12.070	106	1117098	194.681	ug/l	98
69) o-Xylene	12.394	106	546019	96.221	ug/l	99
70) Styrene	12.406	104	947293	100.188	ug/l	100
71) Bromoform	12.576	173	201110	95.410	ug/l #	99
73) Isopropylbenzene	12.694	105	1351009	90.597	ug/l	100
74) N-amyl acetate	12.488	43	641647	86.431	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	359278	83.793	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	379247m	88.555	ug/l	
77) Bromobenzene	12.976	156	303696	91.913	ug/l	98
78) n-propylbenzene	13.035	91	1640989	93.386	ug/l	99
79) 2-Chlorotoluene	13.123	91	1000943	91.031	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1125981	92.254	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	175887m	98.197	ug/l	
82) 4-Chlorotoluene	13.217	91	1025113	93.852	ug/l	99
83) tert-Butylbenzene	13.435	119	975268	92.219	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1150791	92.628	ug/l	100
85) sec-Butylbenzene	13.611	105	1359583	92.684	ug/l	99
86) p-Isopropyltoluene	13.723	119	1161224	96.040	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	586366	94.402	ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	582329	93.077	ug/l	100
89) n-Butylbenzene	14.053	91	1061099	99.009	ug/l	99
90) Hexachloroethane	14.329	117	196292	96.516	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	547527	90.920	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	77795	89.984	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	281040	97.461	ug/l	100
94) Hexachlorobutadiene	15.500	225	101506	93.251	ug/l	99
95) Naphthalene	15.635	128	975079	95.390	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	258567	94.712	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 03:58:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 03:42:50 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_N\Data\VN041525\
Data File : VN086282.D
Acq On : 15 Apr 2025 14:29
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_N

Client Sample Id :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By : John Carlone 04/16/2025

Supervised By : Semsettin Yesilyurt 04/16/2025

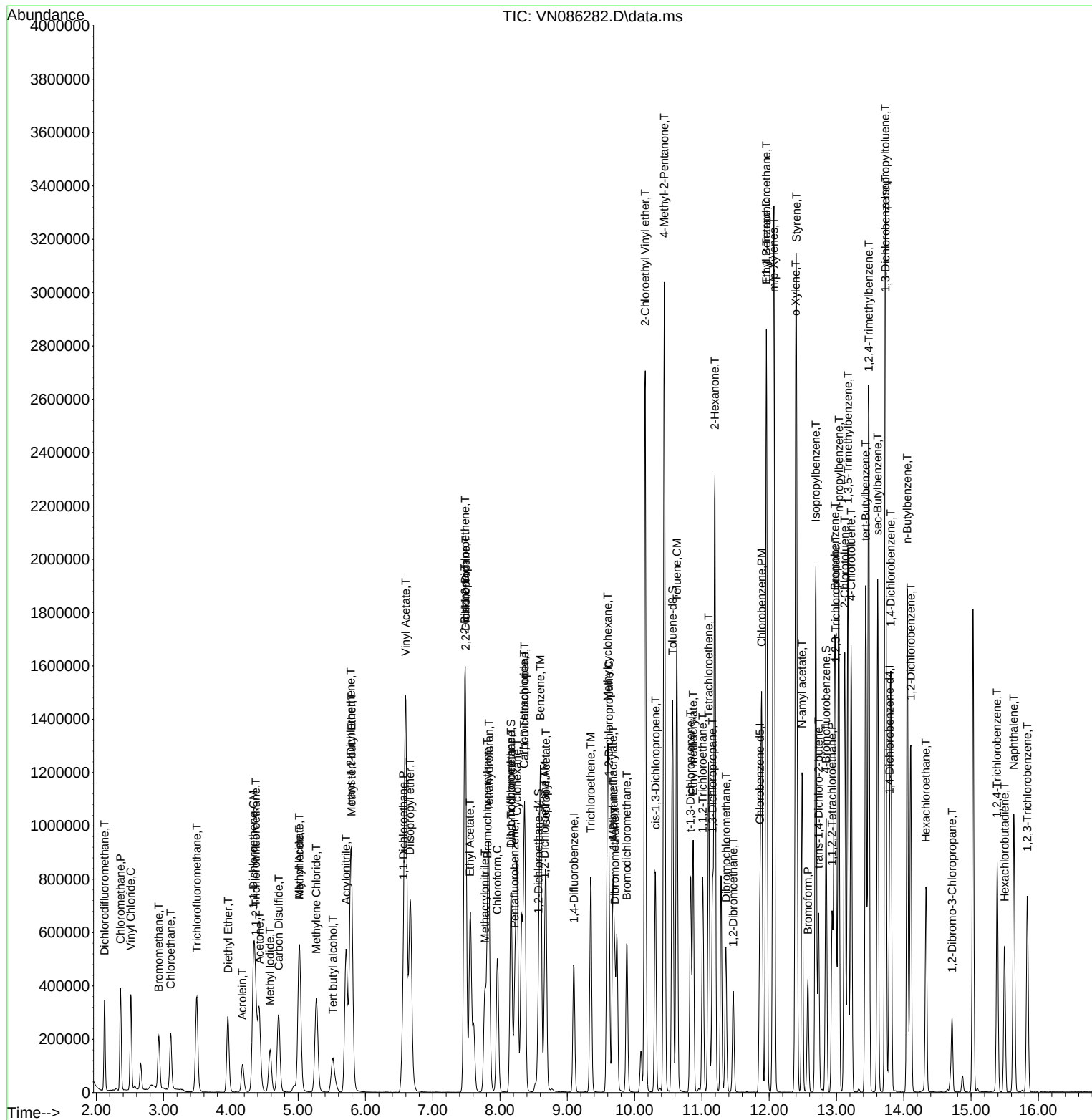
Quant Time: Apr 16 03:58:53 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M

Quant Title : SW846 8260

QLast Update : Wed Apr 16 03:42:50 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/16/2025
 Supervised By : Semsettin Yesilyurt 04/16/2025

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	232806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	435528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	384601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	169181	50.114	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.220%			
35) Dibromofluoromethane	8.165	113	96752	47.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	10.565	98	542858	50.251	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.847	95	196820	49.950	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.900%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	138594	50.220	ug/l	100
3) Chloromethane	2.359	50	185786	46.321	ug/l	99
4) Vinyl Chloride	2.518	62	183873	48.040	ug/l	98
5) Bromomethane	2.953	94	88943	51.662	ug/l	98
6) Chloroethane	3.118	64	119261	46.557	ug/l	99
7) Trichlorofluoromethane	3.500	101	203630	48.030	ug/l	96
8) Diethyl Ether	3.959	74	88034	47.564	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	124024	48.357	ug/l	99
10) Methyl Iodide	4.589	142	148899	52.806	ug/l	98
11) Tert butyl alcohol	5.512	59	143880	233.586	ug/l	99
12) 1,1-Dichloroethene	4.336	96	129546	47.278	ug/l	98
13) Acrolein	4.177	56	72276	251.743	ug/l	99
14) Allyl chloride	5.024	41	220559	45.280	ug/l	99
15) Acrylonitrile	5.712	53	372009	244.312	ug/l	99
16) Acetone	4.424	43	297097	254.646	ug/l	100
17) Carbon Disulfide	4.712	76	360863	43.983	ug/l	99
18) Methyl Acetate	5.018	43	184731	45.586	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	474584	47.117	ug/l	99
20) Methylene Chloride	5.271	84	145872	46.740	ug/l	100
21) trans-1,2-Dichloroethene	5.788	96	134526	46.960	ug/l	99
22) Diisopropyl ether	6.665	45	491946	46.426	ug/l	98
23) Vinyl Acetate	6.600	43	1738360	234.680	ug/l	100
24) 1,1-Dichloroethane	6.565	63	264324	47.277	ug/l	99
25) 2-Butanone	7.477	43	501652	238.732	ug/l	98
26) 2,2-Dichloropropane	7.488	77	233882	46.721	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	167485	47.105	ug/l	98
28) Bromochloromethane	7.812	49	113893	48.044	ug/l	100
29) Tetrahydrofuran	7.835	42	326414	232.296	ug/l	100
30) Chloroform	7.959	83	258393	47.047	ug/l	99
31) Cyclohexane	8.253	56	247077	45.162	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	222630	47.385	ug/l	97
36) 1,1-Dichloropropene	8.371	75	191295	47.382	ug/l	100
37) Ethyl Acetate	7.553	43	195455	45.984	ug/l	100
38) Carbon Tetrachloride	8.359	117	182531	47.475	ug/l	98
39) Methylcyclohexane	9.594	83	220275	45.902	ug/l	97
40) Benzene	8.600	78	610128	47.168	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/16/2025
 Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	113052	45.892	ug/l	98
42) 1,2-Dichloroethane	8.665	62	195922	47.496	ug/l	100
43) Isopropyl Acetate	8.682	43	370579	48.649	ug/l	100
44) Trichloroethene	9.347	130	145334	47.403	ug/l	99
45) 1,2-Dichloropropane	9.618	63	149775	47.302	ug/l	98
46) Dibromomethane	9.706	93	98395	48.772	ug/l	100
47) Bromodichloromethane	9.882	83	207763	47.682	ug/l	99
48) Methyl methacrylate	9.676	41	170007	45.546	ug/l	98
49) 1,4-Dioxane	9.688	88	59040	929.893	ug/l	99
51) 4-Methyl-2-Pentanone	10.441	43	1036849	238.220	ug/l	99
52) Toluene	10.629	92	383010	47.453	ug/l	100
53) t-1,3-Dichloropropene	10.829	75	235221	48.360	ug/l	100
54) cis-1,3-Dichloropropene	10.306	75	250676	46.923	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	136227	46.911	ug/l	97
56) Ethyl methacrylate	10.871	69	253092	47.414	ug/l	99
57) 1,3-Dichloropropane	11.159	76	246129	47.770	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	612932	241.924	ug/l	99
59) 2-Hexanone	11.188	43	759846	235.364	ug/l	99
60) Dibromochloromethane	11.353	129	152321	47.767	ug/l	99
61) 1,2-Dibromoethane	11.465	107	139994	47.777	ug/l	100
64) Tetrachloroethene	11.100	164	140342	47.439	ug/l	99
65) Chlorobenzene	11.888	112	401122	46.735	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	133755	47.238	ug/l	99
67) Ethyl Benzene	11.959	91	730984	47.196	ug/l	100
68) m/p-Xylenes	12.070	106	551289	94.994	ug/l	100
69) o-Xylene	12.394	106	269992	47.043	ug/l	100
70) Styrene	12.406	104	460331	48.138	ug/l	100
71) Bromoform	12.576	173	101548	47.634	ug/l #	98
73) Isopropylbenzene	12.694	105	667602	46.930	ug/l	100
74) N-amyl acetate	12.488	43	320394	45.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	186111	45.501	ug/l	100
76) 1,2,3-Trichloropropane	12.988	75	187464m	45.680	ug/l	
77) Bromobenzene	12.976	156	150856	47.860	ug/l	98
78) n-propylbenzene	13.029	91	794892	47.420	ug/l	99
79) 2-Chlorotoluene	13.123	91	493124	47.012	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	550039	47.241	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	84822m	49.639	ug/l	
82) 4-Chlorotoluene	13.217	91	495478	47.552	ug/l	99
83) tert-Butylbenzene	13.435	119	461626	45.757	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	561084	47.342	ug/l	100
85) sec-Butylbenzene	13.612	105	650246	46.468	ug/l	99
86) p-Isopropyltoluene	13.729	119	546663	47.395	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	278387	46.983	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	282403	47.319	ug/l	99
89) n-Butylbenzene	14.053	91	482335	47.178	ug/l	100
90) Hexachloroethane	14.329	117	92416	47.634	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	273135	47.545	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39601	48.017	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	131639	47.854	ug/l	100
94) Hexachlorobutadiene	15.500	225	48079	46.301	ug/l	100
95) Naphthalene	15.635	128	472042	48.408	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	123220	47.314	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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

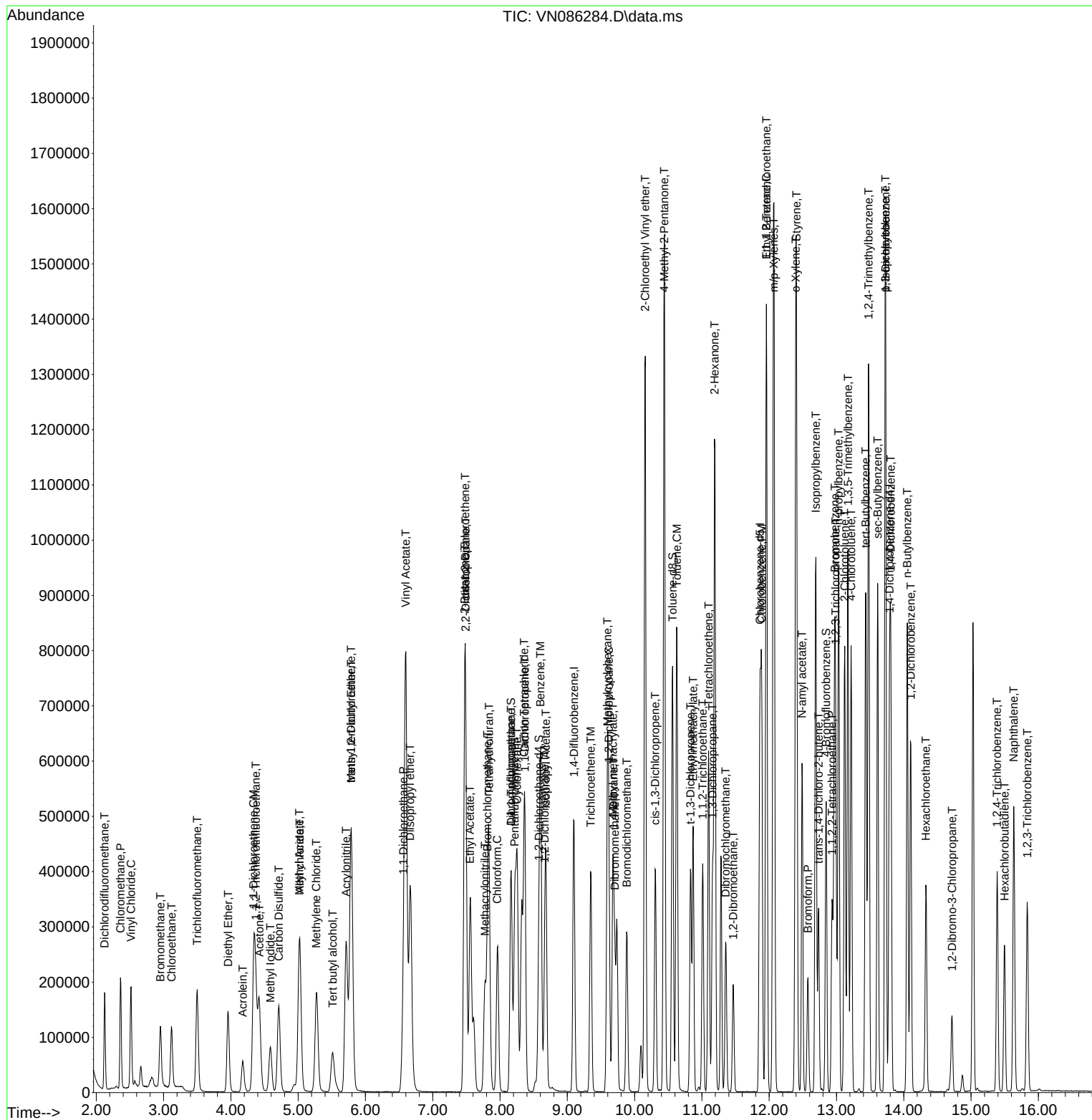
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\  
Data File : VN086284.D  
Acq On    : 15 Apr 2025  15:30  
Operator  : JC\MD  
Sample    : VSTDICV050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 10   Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Manual Integrations APPROVED

Reviewed By :John Carlone 04/16/2025
Supervised By :Semsettin Yesilyurt 04/16/2025

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	104	0.00
2 T	Dichlorodifluoromethane	0.593	0.595	-0.3	105	0.00
3 P	Chloromethane	0.861	0.798	7.3	110	0.00
4 C	Vinyl Chloride	0.822	0.790	3.9#	104	0.00
5 T	Bromomethane	0.370	0.382	-3.2	112	0.00
6 T	Chloroethane	0.550	0.512	6.9	107	0.00
7 T	Trichlorofluoromethane	0.911	0.875	4.0	106	0.00
8 T	Diethyl Ether	0.398	0.378	5.0	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.533	3.3	106	0.00
10 T	Methyl Iodide	0.606	0.640	-5.6	111	0.00
11 T	Tert butyl alcohol	0.132	0.124	6.1	104	0.00
12 CM	1,1-Dichloroethene	0.588	0.556	5.4#	105	0.00
13 T	Acrolein	0.075	0.062	17.3	106	0.00
14 T	Allyl chloride	1.046	0.947	9.5	106	0.00
15 T	Acrylonitrile	0.327	0.320	2.1	105	0.00
16 T	Acetone	0.290	0.255	12.1	106	0.00
17 T	Carbon Disulfide	1.762	1.550	12.0	104	0.00
18 T	Methyl Acetate	0.870	0.793	8.9	106	0.00
19 T	Methyl tert-butyl Ether	2.163	2.039	5.7	106	0.00
20 T	Methylene Chloride	0.670	0.627	6.4	105	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.578	6.0	105	0.00
22 T	Diisopropyl ether	2.276	2.113	7.2	104	0.00
23 T	Vinyl Acetate	1.591	1.493	6.2	105	0.00
24 P	1,1-Dichloroethane	1.201	1.135	5.5	104	0.00
25 T	2-Butanone	0.451	0.431	4.4	106	0.00
26 T	2,2-Dichloropropane	1.075	1.005	6.5	106	0.00
27 T	cis-1,2-Dichloroethene	0.764	0.719	5.9	105	0.00
28 T	Bromochloromethane	0.509	0.489	3.9	103	0.00
29 T	Tetrahydrofuran	0.302	0.280	7.3	104	0.00
30 C	Chloroform	1.180	1.110	5.9#	105	0.00
31 T	Cyclohexane	1.175	1.061	9.7	104	0.00
32 T	1,1,1-Trichloroethane	1.009	0.956	5.3	105	0.00
33 S	1,2-Dichloroethane-d4	0.725	0.727	-0.3	105	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.232	0.222	4.3	109	0.00
36 T	1,1-Dichloropropene	0.463	0.439	5.2	104	0.00
37 T	Ethyl Acetate	0.488	0.449	8.0	106	0.00
38 T	Carbon Tetrachloride	0.441	0.419	5.0	104	0.00
39 T	Methylcyclohexane	0.551	0.506	8.2	102	0.00
40 TM	Benzene	1.485	1.401	5.7	105	0.00
41 T	Methacrylonitrile	0.283	0.260	8.1	104	0.00
42 TM	1,2-Dichloroethane	0.474	0.450	5.1	107	0.00
43 T	Isopropyl Acetate	1.177	0.851	27.7#	103	0.00
44 TM	Trichloroethene	0.352	0.334	5.1	104	0.00
45 C	1,2-Dichloropropane	0.364	0.344	5.5#	104	0.00
46 T	Dibromomethane	0.232	0.226	2.6	105	0.00
47 T	Bromodichloromethane	0.500	0.477	4.6	106	0.00
48 T	Methyl methacrylate	0.429	0.390	9.1	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	0.007	0.007	0.0	110	0.00
50 S	Toluene-d8	1.240	1.246	-0.5	105	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.476	4.8	104	0.00
52 CM	Toluene	0.927	0.879	5.2#	104	0.00
53 T	t-1,3-Dichloropropene	0.558	0.540	3.2	104	0.00
54 T	cis-1,3-Dichloropropene	0.613	0.576	6.0	105	0.00
55 T	1,1,2-Trichloroethane	0.333	0.313	6.0	103	0.00
56 T	Ethyl methacrylate	0.613	0.581	5.2	106	0.00
57 T	1,3-Dichloropropane	0.592	0.565	4.6	105	0.00
58 T	2-Chloroethyl Vinyl ether	0.291	0.281	3.4	103	0.00
59 T	2-Hexanone	0.371	0.349	5.9	103	0.00
60 T	Dibromochloromethane	0.366	0.350	4.4	104	0.00
61 T	1,2-Dibromoethane	0.336	0.321	4.5	104	0.00
62 S	4-Bromofluorobenzene	0.452	0.452	0.0	104	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.385	0.365	5.2	103	0.00
65 PM	Chlorobenzene	1.116	1.043	6.5	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.368	0.348	5.4	105	0.00
67 C	Ethyl Benzene	2.014	1.901	5.6#	104	0.00
68 T	m/p-Xylenes	0.754	0.717	4.9	103	0.00
69 T	o-Xylene	0.746	0.702	5.9	103	0.00
70 T	Styrene	1.243	1.197	3.7	103	0.00
71 P	Bromoform	0.277	0.264	4.7	106	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
73 T	Isopropylbenzene	4.090	3.839	6.1	103	0.00
74 T	N-amyl acetate	2.036	1.842	9.5	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.176	1.070	9.0	103	0.00
76 T	1,2,3-Trichloropropane	1.180	1.078	8.6	104	0.00
77 T	Bromobenzene	0.906	0.867	4.3	102	0.00
78 T	n-propylbenzene	4.820	4.571	5.2	102	0.00
79 T	2-Chlorotoluene	3.016	2.836	6.0	103	0.00
80 T	1,3,5-Trimethylbenzene	3.348	3.163	5.5	103	0.00
81 T	trans-1,4-Dichloro-2-butene	0.491	0.488	0.6	106	0.00
82 T	4-Chlorotoluene	2.996	2.849	4.9	102	0.00
83 T	tert-Butylbenzene	2.901	2.655	8.5	102	0.00
84 T	1,2,4-Trimethylbenzene	3.408	3.226	5.3	102	0.00
85 T	sec-Butylbenzene	4.023	3.739	7.1	99	0.00
86 T	p-Isopropyltoluene	3.316	3.144	5.2	100	0.00
87 T	1,3-Dichlorobenzene	1.704	1.601	6.0	100	0.00
88 T	1,4-Dichlorobenzene	1.716	1.624	5.4	101	0.00
89 T	n-Butylbenzene	2.939	2.774	5.6	98	0.00
90 T	Hexachloroethane	0.558	0.531	4.8	103	0.00
91 T	1,2-Dichlorobenzene	1.652	1.571	4.9	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.228	3.8	103	0.00
93 T	1,2,4-Trichlorobenzene	0.791	0.757	4.3	99	0.00
94 T	Hexachlorobutadiene	0.299	0.276	7.7	99	0.00
95 T	Naphthalene	2.804	2.714	3.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.749	0.709	5.3	100	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	104	0.00
2 T	Dichlorodifluoromethane	50.000	50.220	-0.4	105	0.00
3 P	Chloromethane	50.000	46.321	7.4	110	0.00
4 C	Vinyl Chloride	50.000	48.040	3.9#	104	0.00
5 T	Bromomethane	50.000	51.662	-3.3	112	0.00
6 T	Chloroethane	50.000	46.557	6.9	107	0.00
7 T	Trichlorofluoromethane	50.000	48.030	3.9	106	0.00
8 T	Diethyl Ether	50.000	47.564	4.9	105	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.357	3.3	106	0.00
10 T	Methyl Iodide	50.000	52.806	-5.6	111	0.00
11 T	Tert butyl alcohol	250.000	233.586	6.6	104	0.00
12 CM	1,1-Dichloroethene	50.000	47.278	5.4#	105	0.00
13 T	Acrolein	250.000	251.743	-0.7	106	0.00
14 T	Allyl chloride	50.000	45.280	9.4	106	0.00
15 T	Acrylonitrile	250.000	244.312	2.3	105	0.00
16 T	Acetone	250.000	254.646	-1.9	106	0.00
17 T	Carbon Disulfide	50.000	43.983	12.0	104	0.00
18 T	Methyl Acetate	50.000	45.586	8.8	106	0.00
19 T	Methyl tert-butyl Ether	50.000	47.117	5.8	106	0.00
20 T	Methylene Chloride	50.000	46.740	6.5	105	0.00
21 T	trans-1,2-Dichloroethene	50.000	46.960	6.1	105	0.00
22 T	Diisopropyl ether	50.000	46.426	7.1	104	0.00
23 T	Vinyl Acetate	250.000	234.680	6.1	105	0.00
24 P	1,1-Dichloroethane	50.000	47.277	5.4	104	0.00
25 T	2-Butanone	250.000	238.732	4.5	106	0.00
26 T	2,2-Dichloropropane	50.000	46.721	6.6	106	0.00
27 T	cis-1,2-Dichloroethene	50.000	47.105	5.8	105	0.00
28 T	Bromochloromethane	50.000	48.044	3.9	103	0.00
29 T	Tetrahydrofuran	250.000	232.296	7.1	104	0.00
30 C	Chloroform	50.000	47.047	5.9#	105	0.00
31 T	Cyclohexane	50.000	45.162	9.7	104	0.00
32 T	1,1,1-Trichloroethane	50.000	47.385	5.2	105	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.114	-0.2	105	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	47.865	4.3	109	0.00
36 T	1,1-Dichloropropene	50.000	47.382	5.2	104	0.00
37 T	Ethyl Acetate	50.000	45.984	8.0	106	0.00
38 T	Carbon Tetrachloride	50.000	47.475	5.0	104	0.00
39 T	Methylcyclohexane	50.000	45.902	8.2	102	0.00
40 TM	Benzene	50.000	47.168	5.7	105	0.00
41 T	Methacrylonitrile	50.000	45.892	8.2	104	0.00
42 TM	1,2-Dichloroethane	50.000	47.496	5.0	107	0.00
43 T	Isopropyl Acetate	50.000	48.649	2.7	103	0.00
44 TM	Trichloroethene	50.000	47.403	5.2	104	0.00
45 C	1,2-Dichloropropane	50.000	47.302	5.4#	104	0.00
46 T	Dibromomethane	50.000	48.772	2.5	105	0.00
47 T	Bromodichloromethane	50.000	47.682	4.6	106	0.00
48 T	Methyl methacrylate	50.000	45.546	8.9	104	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
 Data File : VN086284.D
 Acq On : 15 Apr 2025 15:30
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041525

Quant Time: Apr 16 04:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	929.893	7.0	110	0.00
50 S	Toluene-d8	50.000	50.251	-0.5	105	0.00
51 T	4-Methyl-2-Pentanone	250.000	238.220	4.7	104	0.00
52 CM	Toluene	50.000	47.453	5.1#	104	0.00
53 T	t-1,3-Dichloropropene	50.000	48.360	3.3	104	0.00
54 T	cis-1,3-Dichloropropene	50.000	46.923	6.2	105	0.00
55 T	1,1,2-Trichloroethane	50.000	46.911	6.2	103	0.00
56 T	Ethyl methacrylate	50.000	47.414	5.2	106	0.00
57 T	1,3-Dichloropropane	50.000	47.770	4.5	105	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	241.924	3.2	103	0.00
59 T	2-Hexanone	250.000	235.364	5.9	103	0.00
60 T	Dibromochloromethane	50.000	47.767	4.5	104	0.00
61 T	1,2-Dibromoethane	50.000	47.777	4.4	104	0.00
62 S	4-Bromofluorobenzene	50.000	49.950	0.1	104	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	47.439	5.1	103	0.00
65 PM	Chlorobenzene	50.000	46.735	6.5	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	47.238	5.5	105	0.00
67 C	Ethyl Benzene	50.000	47.196	5.6#	104	0.00
68 T	m/p-Xylenes	100.000	94.994	5.0	103	0.00
69 T	o-Xylene	50.000	47.043	5.9	103	0.00
70 T	Styrene	50.000	48.138	3.7	103	0.00
71 P	Bromoform	50.000	47.634	4.7	106	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	100	0.00
73 T	Isopropylbenzene	50.000	46.930	6.1	103	0.00
74 T	N-amyl acetate	50.000	45.241	9.5	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	45.501	9.0	103	0.00
76 T	1,2,3-Trichloropropane	50.000	45.680	8.6	104	0.00
77 T	Bromobenzene	50.000	47.860	4.3	102	0.00
78 T	n-propylbenzene	50.000	47.420	5.2	102	0.00
79 T	2-Chlorotoluene	50.000	47.012	6.0	103	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.241	5.5	103	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.639	0.7	106	0.00
82 T	4-Chlorotoluene	50.000	47.552	4.9	102	0.00
83 T	tert-Butylbenzene	50.000	45.757	8.5	102	0.00
84 T	1,2,4-Trimethylbenzene	50.000	47.342	5.3	102	0.00
85 T	sec-Butylbenzene	50.000	46.468	7.1	99	0.00
86 T	p-Isopropyltoluene	50.000	47.395	5.2	100	0.00
87 T	1,3-Dichlorobenzene	50.000	46.983	6.0	100	0.00
88 T	1,4-Dichlorobenzene	50.000	47.319	5.4	101	0.00
89 T	n-Butylbenzene	50.000	47.178	5.6	98	0.00
90 T	Hexachloroethane	50.000	47.634	4.7	103	0.00
91 T	1,2-Dichlorobenzene	50.000	47.545	4.9	101	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	48.017	4.0	103	0.00
93 T	1,2,4-Trichlorobenzene	50.000	47.854	4.3	99	0.00
94 T	Hexachlorobutadiene	50.000	46.301	7.4	99	0.00
95 T	Naphthalene	50.000	48.408	3.2	102	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086284.D
Acq On : 15 Apr 2025 15:30
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041525

Quant Time: Apr 16 04:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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	47.314	5.4	100	0.00

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



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG No.: Q1929
 Instrument ID: MSVOA_X Calibration Date(s): 04/01/2025 04/01/2025
 Heated Purge: (Y/N) N Calibration Time(s): 17:06 19:02
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX045525.D		RRF005 = VX045526.D		RRF020 = VX045527.D			
		RRF050 = VX045528.D		RRF100 = VX045529.D		RRF150 = VX045530.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Vinyl Chloride	0.671	0.662	0.701	0.716	0.738	0.730	0.703	4.4	
1,1-Dichloroethene	0.563	0.588	0.612	0.604	0.618	0.616	0.600	3.5	
2-Butanone	0.474	0.537	0.582	0.586	0.571	0.548	0.550	7.5	
Carbon Tetrachloride	0.450	0.497	0.521	0.536	0.545	0.556	0.518	7.5	
Chloroform	1.244	1.309	1.348	1.315	1.309	1.309	1.306	2.6	
Benzene	1.414	1.416	1.519	1.481	1.483	1.465	1.463	2.8	
1,2-Dichloroethane	0.533	0.585	0.649	0.622	0.620	0.617	0.604	6.7	
Trichloroethene	0.349	0.322	0.356	0.351	0.351	0.356	0.348	3.7	
Tetrachloroethene	0.346	0.373	0.371	0.347	0.333	0.347	0.353	4.5	
Chlorobenzene	0.951	1.054	1.123	1.084	1.086	1.112	1.068	5.8	
1,2-Dichloroethane-d4		0.962	0.900	0.868	0.904	0.937	0.914	3.9	
Dibromofluoromethane		0.372	0.342	0.345	0.353	0.362	0.355	3.5	
Toluene-d8		1.257	1.233	1.214	1.230	1.257	1.238	1.5	
4-Bromofluorobenzene		0.413	0.448	0.453	0.481	0.460	0.451	5.5	

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X040225W.M
 Title : SW846 8260
 Last Update : Wed Apr 02 03:11:43 2025
 Response Via : Initial Calibration

Calibration Files

1 =VX045525.D 5 =VX045526.D 20 =VX045527.D 50 =VX045528.D 100 =VX045529.D 150 =VX045530.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.615	0.695	0.700	0.820	0.837	0.820	0.748	12.13
3) P	Chloromethane	0.764	0.734	0.777	0.784	0.815	0.734	0.768	4.05
4) C	Vinyl Chloride	0.671	0.662	0.701	0.716	0.738	0.730	0.703	4.43#
5) T	Bromomethane		0.342	0.327	0.330	0.341	0.327	0.333	2.20
6) T	Chloroethane	0.378	0.397	0.390	0.398	0.355	0.319	0.373	8.27
7) T	Trichlorofluor...	1.051	0.999	1.075	1.086	1.089	0.989	1.048	4.22
8) T	Diethyl Ether	0.345	0.340	0.356	0.355	0.358	0.357	0.352	2.11
9) T	1,1,2-Trichlor...	0.575	0.599	0.635	0.621	0.621	0.634	0.614	3.74
10) T	Methyl Iodide		0.705	0.789	0.799	0.788	0.750	0.766	5.08
11) T	Tert butyl alc...		0.111	0.124	0.127	0.128	0.124	0.123	5.44
12) CM	1,1-Dichloroet...	0.563	0.588	0.612	0.604	0.618	0.616	0.600	3.51#
13) T	Acrolein		0.176	0.161	0.167	0.170	0.172	0.169	3.41
14) T	Allyl chloride	1.092	1.068	1.142	1.172	1.199	1.160	1.139	4.36
15) T	Acrylonitrile	0.356	0.382	0.413	0.407	0.394	0.376	0.388	5.38
16) T	Acetone	0.400	0.369	0.387	0.378	0.365	0.355	0.375	4.28
17) T	Carbon Disulfide	1.334	1.327	1.434	1.553	1.604	1.642	1.483	9.24
18) T	Methyl Acetate	0.901	0.863	0.864	0.857	0.855	0.846	0.864	2.22
19) T	Methyl tert-bu...	1.915	1.964	2.169	2.118	2.217	2.216	2.100	6.20
20) T	Methylene Chlo...	0.692	0.695	0.726	0.709	0.705	0.690	0.703	1.96
21) T	trans-1,2-Dich...	0.574	0.594	0.636	0.624	0.621	0.630	0.613	3.94
22) T	Diisopropyl ether	2.003	2.120	2.329	2.293	2.359	2.357	2.243	6.59
23) T	Vinyl Acetate	1.542	1.693	2.005	2.087	2.147	2.156	1.938	13.34
24) P	1,1-Dichloroet...	1.211	1.240	1.318	1.269	1.283	1.292	1.269	3.01
25) T	2-Butanone	0.474	0.537	0.582	0.586	0.571	0.548	0.550	7.55
26) T	2,2-Dichloropr...	0.676	0.757	0.802	0.847	0.903	0.933	0.820	11.67
27) T	cis-1,2-Dichlo...	0.762	0.696	0.760	0.751	0.754	0.760	0.747	3.43
28) T	Bromochloromet...	0.671	0.608	0.617	0.596	0.610	0.576	0.613	5.18
29) T	Tetrahydrofuran	0.339	0.341	0.371	0.371	0.364	0.352	0.356	4.05
30) C	Chloroform	1.244	1.309	1.348	1.315	1.309	1.309	1.306	2.60#
31) T	Cyclohexane		1.044	1.148	1.123	1.145	1.149	1.122	4.00
32) T	1,1,1-Trichlor...	1.028	1.052	1.120	1.109	1.153	1.167	1.105	4.96
33) S	1,2-Dichloroet...		0.962	0.900	0.868	0.904	0.937	0.914	3.94
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.372	0.342	0.345	0.353	0.362	0.355	3.48
36) T	1,1-Dichloropr...	0.477	0.443	0.474	0.485	0.496	0.499	0.479	4.26
37) T	Ethyl Acetate	0.582	0.565	0.609	0.623	0.629	0.614	0.604	4.15
38) T	Carbon Tetrach...	0.450	0.497	0.521	0.536	0.545	0.556	0.518	7.49
39) T	Methylcyclohexane	0.519	0.527	0.596	0.622	0.628	0.632	0.587	8.76
40) TM	Benzene	1.414	1.416	1.519	1.481	1.483	1.465	1.463	2.81
41) T	Methacrylonitrile	0.252	0.276	0.338	0.351	0.350	0.343	0.318	13.52
42) TM	1,2-Dichloroet...	0.533	0.585	0.649	0.622	0.620	0.617	0.604	6.72
43) T	Isopropyl Acetate	0.735	0.831	0.952	0.978	1.002	0.991	0.915	11.77
44) TM	Trichloroethene	0.349	0.322	0.356	0.351	0.351	0.356	0.348	3.67
45) C	1,2-Dichloropr...	0.309	0.365	0.388	0.376	0.379	0.374	0.365	7.83#
46) T	Dibromomethane	0.237	0.287	0.297	0.292	0.286	0.282	0.280	7.76
47) T	Bromodichlorom...	0.521	0.519	0.576	0.571	0.587	0.583	0.560	5.56
48) T	Methyl methacr...	0.405	0.416	0.486	0.508	0.518	0.502	0.472	10.44
49) T	1,4-Dioxane	0.007	0.010	0.009	0.009	0.009	0.008	0.009	13.93
50) S	Toluene-d8		1.257	1.233	1.214	1.230	1.257	1.238	1.50
51) T	4-Methyl-2-Pen...	0.499	0.578	0.661	0.663	0.647	0.589	0.606	10.57
52) CM	Toluene	0.817	0.866	0.939	0.910	0.905	0.875	0.885	4.79#
53) T	t-1,3-Dichloro...	0.316	0.400	0.465	0.508	0.555	0.558	0.467	20.27
54) T	cis-1,3-Dichlo...	0.371	0.474	0.546	0.568	0.597	0.600	0.526	16.88
55) T	1,1,2-Trichlor...	0.337	0.346	0.376	0.359	0.358	0.340	0.353	4.11
56) T	Ethyl methacry...	0.407	0.482	0.562	0.600	0.629	0.595	0.546	15.54

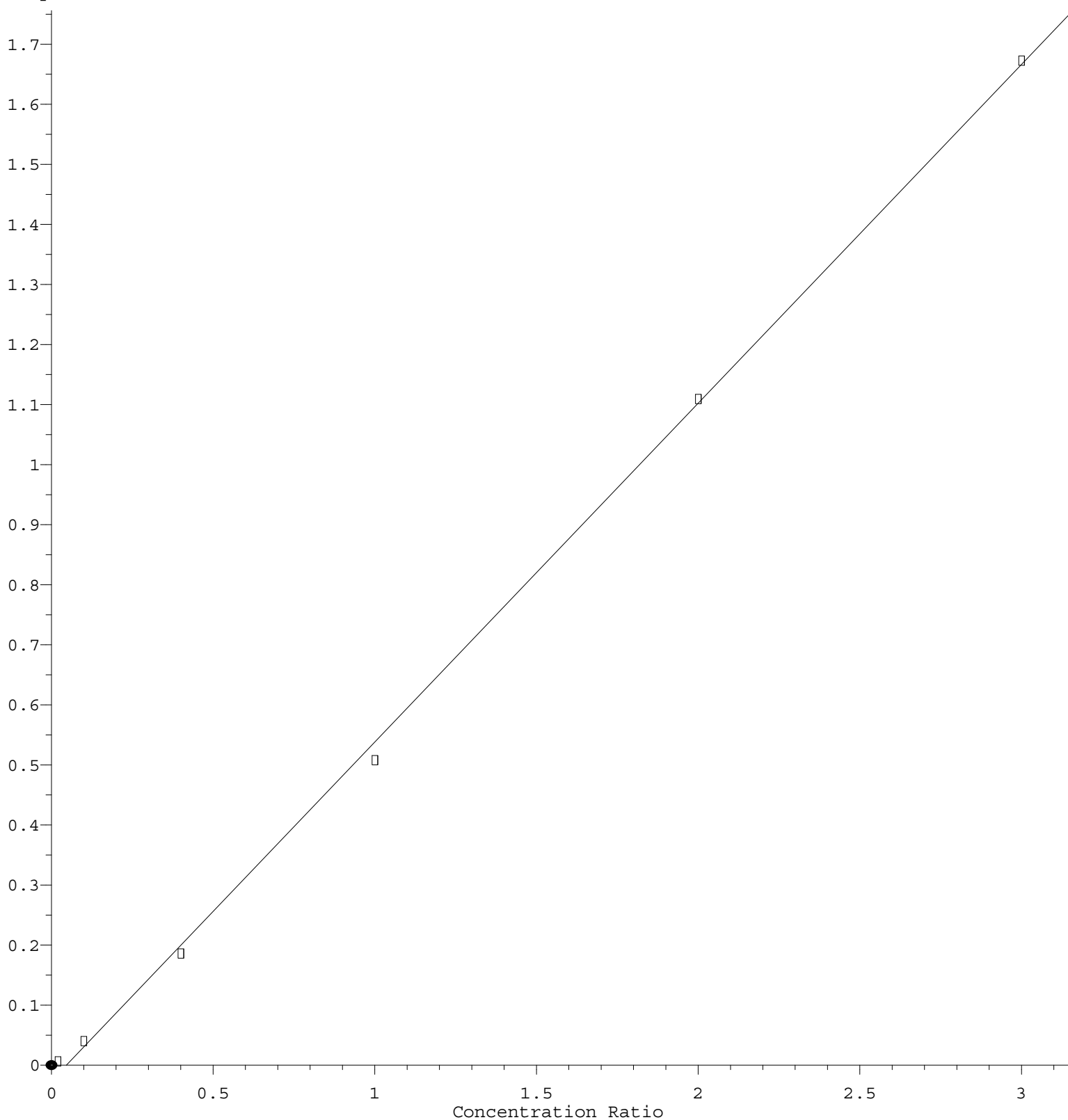
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 82X040225W.M

57)	T	1,3-Dichloropr...	0.555	0.614	0.652	0.633	0.630	0.601	0.614	5.49
58)	T	2-Chloroethyl ...	0.221	0.257	0.286	0.298	0.301	0.293	0.276	11.26
59)	T	2-Hexanone	0.363	0.429	0.488	0.492	0.484	0.439	0.449	11.14
60)	T	Dibromochlorom...	0.313	0.352	0.404	0.412	0.421	0.405	0.385	11.06
61)	T	1,2-Dibromoethane	0.294	0.351	0.380	0.373	0.380	0.364	0.357	9.12
62)	S	4-Bromofluorob...		0.413	0.448	0.453	0.481	0.460	0.451	5.45
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.346	0.373	0.371	0.347	0.333	0.347	0.353	4.47
65)	PM	Chlorobenzene	0.951	1.054	1.123	1.084	1.086	1.112	1.068	5.83
66)	T	1,1,1,2-Tetrac...	0.368	0.344	0.372	0.373	0.379	0.390	0.371	4.18
67)	C	Ethyl Benzene	1.608	1.819	2.002	2.007	1.993	2.053	1.914	8.89#
68)	T	m/p-Xylenes	0.594	0.669	0.732	0.728	0.723	0.729	0.696	7.92
69)	T	o-Xylene	0.562	0.676	0.725	0.719	0.716	0.714	0.686	9.17
70)	T	Styrene	0.897	1.043	1.202	1.216	1.230	1.202	1.132	11.82
71)	P	Bromoform	0.220	0.252	0.272	0.296	0.307	0.315	0.277	13.07
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	3.581	3.850	4.224	4.181	4.043	4.151	4.005	6.17
74)	T	N-amyl acetate	1.442	1.682	1.960	2.058	2.132	2.221	1.916	15.51
75)	P	1,1,2,2-Tetrac...	1.457	1.428	1.461	1.384	1.354	1.358	1.407	3.43
76)	T	1,2,3-Trichlor...	1.221	1.257	1.251	1.225	1.192	1.171	1.220	2.71
77)	T	Bromobenzene	0.877	0.927	0.953	0.938	0.925	0.932	0.925	2.77
78)	T	n-propylbenzene	3.734	4.346	5.012	4.896	4.819	4.872	4.613	10.59
79)	T	2-Chlorotoluene	2.894	2.873	3.130	2.966	2.915	2.918	2.949	3.19
80)	T	1,3,5-Trimethy...	2.931	3.119	3.571	3.511	3.367	3.371	3.312	7.35
81)	T	trans-1,4-Dich...		0.274	0.323	0.371	0.401	0.428	0.359	17.16
82)	T	4-Chlorotoluene	2.961	3.156	3.470	3.449	3.350	3.343	3.288	5.93
83)	T	tert-Butylbenzene	2.894	3.124	3.437	3.427	3.387	3.405	3.279	6.78
84)	T	1,2,4-Trimethy...	2.906	3.129	3.529	3.523	3.438	3.420	3.324	7.57
85)	T	sec-Butylbenzene	3.195	3.828	4.316	4.300	4.232	4.292	4.027	11.12
86)	T	p-Isopropyltol...	2.734	3.157	3.515	3.524	3.506	3.484	3.320	9.63
87)	T	1,3-Dichlorobe...	1.658	1.605	1.726	1.699	1.714	1.706	1.684	2.70
88)	T	1,4-Dichlorobe...	1.671	1.724	1.768	1.703	1.674	1.706	1.708	2.09
89)	T	n-Butylbenzene	2.117	2.486	2.974	3.160	3.256	3.283	2.879	16.50
90)	T	Hexachloroethane	0.493	0.493	0.556	0.597	0.623	0.661	0.571	12.14
91)	T	1,2-Dichlorobe...	1.644	1.645	1.750	1.678	1.665	1.667	1.675	2.34
92)	T	1,2-Dibromo-3-...	0.196	0.260	0.312	0.316	0.333	0.349	0.294	19.37
93)	T	1,2,4-Trichlor...	0.727	0.844	0.948	0.947	1.045	1.083	0.932	14.07
94)	T	Hexachlorobuta...	0.379	0.389	0.401	0.404	0.415	0.422	0.402	4.03
95)	T	Naphthalene	2.544	3.070	3.630	3.722	3.867	3.982	3.469	15.93
96)	T	1,2,3-Trichlor...	0.782	0.916	0.999	1.000	1.063	1.097	0.976	11.63

(#) = Out of Range

t-1,3-Dichloropropene

Response Ratio



$$\text{Response} = 5.639\text{e-}001 * \text{Amt} - 2.582\text{e-}002$$

Coef of Det (r^2) = 0.999232 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X040225W.M

Calibration Table Last Updated: Wed Apr 02 03:11:43 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045525.D
 Acq On : 01 Apr 2025 17:06
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:50:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	96737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175266	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	153312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61114	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	74 - 125	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	86 - 113	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	1189	0.822	ug/l	94
3) Chloromethane	1.307	50	1479	0.995	ug/l #	86
4) Vinyl Chloride	1.374	62	1299	0.955	ug/l	98
6) Chloroethane	1.673	64	732	1.014	ug/l #	67
7) Trichlorofluoromethane	1.880	101	2034	1.003	ug/l	93
8) Diethyl Ether	2.130	74	668	0.981	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.325	101	1113	0.936	ug/l	94
12) 1,1-Dichloroethene	2.313	96	1090	0.939	ug/l	95
14) Allyl chloride	2.660	41	2113	0.959	ug/l	93
15) Acrylonitrile	3.075	53	3446	4.592	ug/l	95
16) Acetone	2.380	43	3867	5.323	ug/l	98
17) Carbon Disulfide	2.508	76	2580	0.899	ug/l #	95
18) Methyl Acetate	2.703	43	1744	1.043	ug/l	91
19) Methyl tert-butyl Ether	3.117	73	3705	0.912	ug/l	92
20) Methylene Chloride	2.782	84	1338	0.984	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	1111	0.936	ug/l #	93
22) Diisopropyl ether	3.758	45	3875	0.893	ug/l #	59
23) Vinyl Acetate	3.727	43	14921	3.979	ug/l	95
24) 1,1-Dichloroethane	3.611	63	2343	0.954	ug/l #	90
25) 2-Butanone	4.581	43	4590	4.317	ug/l	92
26) 2,2-Dichloropropane	4.471	77	1307	0.824	ug/l	85
27) cis-1,2-Dichloroethene	4.495	96	1475	1.020	ug/l	80
28) Bromochloromethane	4.891	49	1298	1.094	ug/l #	97
29) Tetrahydrofuran	5.032	42	3276	4.752	ug/l	97
30) Chloroform	5.093	83	2406	0.953	ug/l	84
32) 1,1,1-Trichloroethane	5.385	97	1989	0.931	ug/l #	53
36) 1,1-Dichloropropene	5.696	75	1671	0.995	ug/l #	89
37) Ethyl Acetate	4.751	43	2040	0.964	ug/l #	76
38) Carbon Tetrachloride	5.672	117	1578	0.870	ug/l #	91
39) Methylcyclohexane	7.379	83	1818	0.883	ug/l #	89
40) Benzene	6.038	78	4957	0.967	ug/l	97
41) Methacrylonitrile	4.952	41	883m	0.784	ug/l	
42) 1,2-Dichloroethane	6.092	62	1867	0.882	ug/l	86
43) Isopropyl Acetate	6.361	43	2578	0.804	ug/l #	86
44) Trichloroethene	7.123	130	1224	1.004	ug/l	87
45) 1,2-Dichloropropane	7.434	63	1082	0.846	ug/l	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045525.D
 Acq On : 01 Apr 2025 17:06
 Operator : JC/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:50:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	7.592	93	831	0.846	ug/l	90
47) Bromodichloromethane	7.824	83	1827	0.931	ug/l #	77
48) Methyl methacrylate	7.720	41	1419	0.857	ug/l	92
49) 1,4-Dioxane	7.671	88	458m	15.288	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	8746	4.114	ug/l	100
52) Toluene	8.720	92	2863	0.923	ug/l	96
53) t-1,3-Dichloropropene	8.988	75	1109	2.850	ug/l	93
54) cis-1,3-Dichloropropene	8.379	75	1300	0.705	ug/l	90
55) 1,1,2-Trichloroethane	9.159	97	1183	0.957	ug/l #	76
56) Ethyl methacrylate	9.129	69	1425m	0.745	ug/l	
57) 1,3-Dichloropropane	9.311	76	1946	0.904	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.245	63	3880	4.008	ug/l	93
59) 2-Hexanone	9.439	43	6360	4.040	ug/l	85
60) Dibromochloromethane	9.519	129	1097	0.814	ug/l	99
61) 1,2-Dibromoethane	9.610	107	1032	0.825	ug/l	96
64) Tetrachloroethene	9.269	164	1062	0.981	ug/l	92
65) Chlorobenzene	10.080	112	2916	0.890	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.159	131	1128	0.992	ug/l #	64
67) Ethyl Benzene	10.195	91	4930	0.840	ug/l	90
68) m/p-Xylenes	10.305	106	3645	1.708	ug/l	97
69) o-Xylene	10.640	106	1724	0.820	ug/l	83
70) Styrene	10.659	104	2750	0.793	ug/l	94
71) Bromoform	10.805	173	675	0.795	ug/l #	94
73) Isopropylbenzene	10.964	105	4377	0.894	ug/l	95
74) N-amyl acetate	10.854	43	1762	0.752	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.214	83	1781	1.036	ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	1493m	1.002	ug/l	
77) Bromobenzene	11.201	156	1072	0.948	ug/l	95
78) n-propylbenzene	11.305	91	4564	0.809	ug/l	97
79) 2-Chlorotoluene	11.366	91	3537	0.981	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	3582	0.885	ug/l	100
82) 4-Chlorotoluene	11.457	91	3619	0.900	ug/l	96
83) tert-Butylbenzene	11.713	119	3537	0.883	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	3552	0.874	ug/l	99
85) sec-Butylbenzene	11.890	105	3905	0.793	ug/l	98
86) p-Isopropyltoluene	12.012	119	3342	0.824	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	2026	0.984	ug/l	97
88) 1,4-Dichlorobenzene	12.043	146	2042m	0.978	ug/l	
89) n-Butylbenzene	12.335	91	2587	0.735	ug/l	99
90) Hexachloroethane	12.543	117	602	0.863	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	2009	0.981	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	12.945	75	239	0.665	ug/l #	73
93) 1,2,4-Trichlorobenzene	13.591	180	888	0.779	ug/l	94
94) Hexachlorobutadiene	13.725	225	463	0.943	ug/l	90
95) Naphthalene	13.780	128	3109	0.733	ug/l	99
96) 1,2,3-Trichlorobenzene	13.969	180	956	0.801	ug/l	88

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

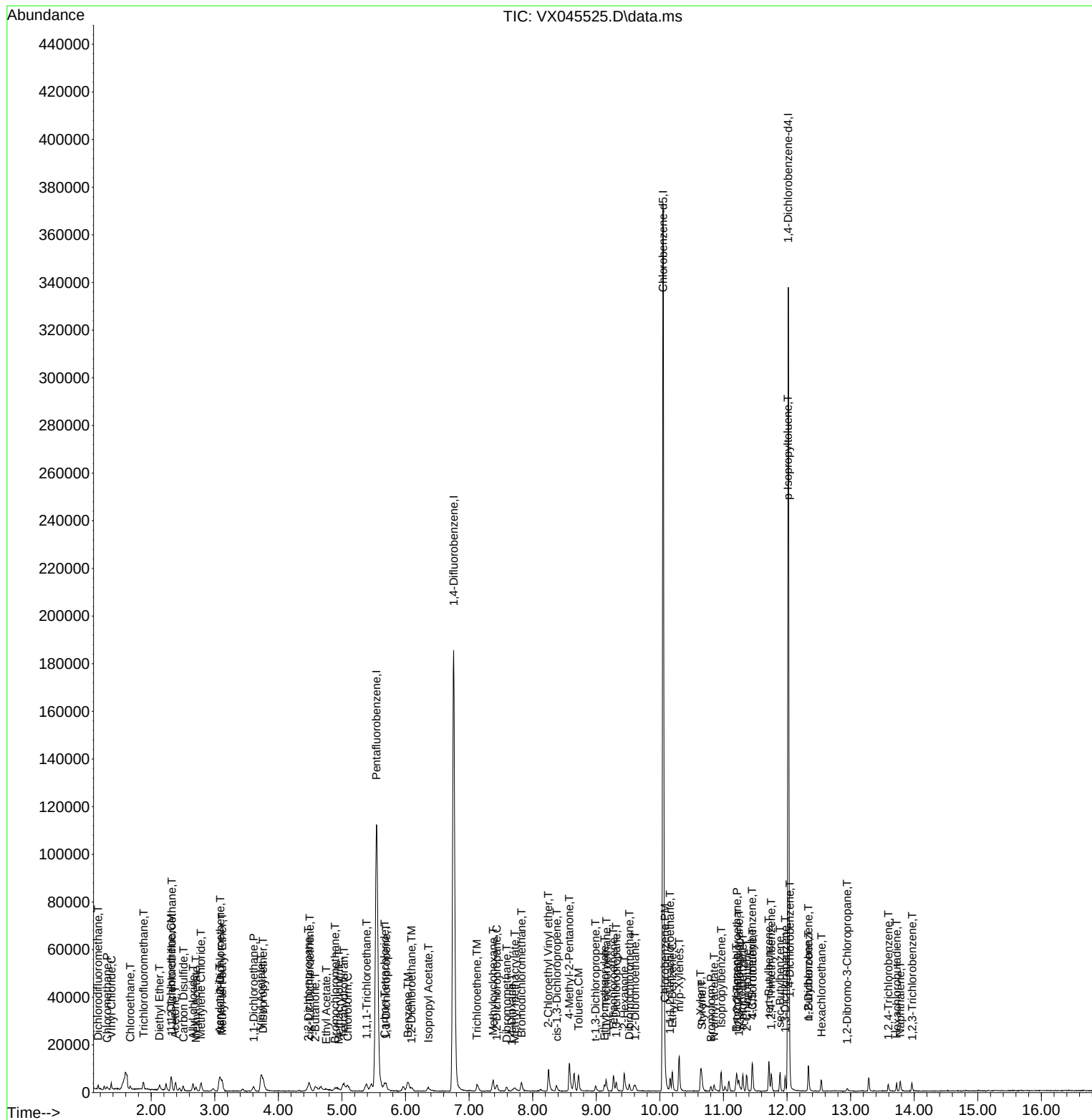
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\  
Data File : VX045525.D  
Acq On    : 01 Apr 2025  17:06  
Operator  : JC/MD  
Sample    : VSTDIC001  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 3    Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:50:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045526.D
 Acq On : 01 Apr 2025 17:29
 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:51:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	93234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	166137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	143937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	8969	5.260	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.520%#		
35) Dibromofluoromethane	5.391	113	6181	5.244	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.480%#		
50) Toluene-d8	8.647	98	20890	5.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.160%#		
62) 4-Bromofluorobenzene	11.079	95	6867	4.582	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.160%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6482	4.649	ug/l	91
3) Chloromethane	1.307	50	6846	4.779	ug/l	99
4) Vinyl Chloride	1.374	62	6169	4.706	ug/l	100
5) Bromomethane	1.593	94	3185	5.124	ug/l	90
6) Chloroethane	1.666	64	3703	5.324	ug/l	96
7) Trichlorofluoromethane	1.874	101	9316	4.766	ug/l	94
8) Diethyl Ether	2.136	74	3171	4.832	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	5589	4.879	ug/l	99
10) Methyl Iodide	2.447	142	6574	4.601	ug/l	97
11) Tert butyl alcohol	2.983	59	5186	22.633	ug/l	99
12) 1,1-Dichloroethene	2.313	96	5485	4.901	ug/l	90
13) Acrolein	2.239	56	8202	25.993	ug/l	97
14) Allyl chloride	2.654	41	9960	4.690	ug/l	95
15) Acrylonitrile	3.069	53	17811	24.624	ug/l	97
16) Acetone	2.386	43	17188	24.550	ug/l	99
17) Carbon Disulfide	2.502	76	12376	4.477	ug/l #	93
18) Methyl Acetate	2.703	43	8042	4.989	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	18314	4.677	ug/l	100
20) Methylene Chloride	2.782	84	6481	4.945	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	5534	4.840	ug/l	95
22) Diisopropyl ether	3.764	45	19765	4.725	ug/l #	82
23) Vinyl Acetate	3.721	43	78907	21.831	ug/l	98
24) 1,1-Dichloroethane	3.605	63	11562	4.887	ug/l	98
25) 2-Butanone	4.574	43	25026	24.419	ug/l	99
26) 2,2-Dichloropropane	4.477	77	7054	4.615	ug/l	95
27) cis-1,2-Dichloroethene	4.483	96	6485	4.655	ug/l	95
28) Bromochloromethane	4.898	49	5666	4.956	ug/l	95
29) Tetrahydrofuran	5.013	42	15913	23.950	ug/l	100
30) Chloroform	5.087	83	12200	5.012	ug/l	99
31) Cyclohexane	5.465	56	9731	4.653	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	9811	4.763	ug/l	99
36) 1,1-Dichloropropene	5.690	75	7354	4.621	ug/l	98
37) Ethyl Acetate	4.721	43	9384	4.679	ug/l #	91
38) Carbon Tetrachloride	5.666	117	8264	4.804	ug/l	99
39) Methylcyclohexane	7.379	83	8757	4.489	ug/l	95
40) Benzene	6.038	78	23522	4.839	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045526.D
 Acq On : 01 Apr 2025 17:29
 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:51:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	4593	4.302	ug/l	92
42) 1,2-Dichloroethane	6.092	62	9713	4.838	ug/l	100
43) Isopropyl Acetate	6.348	43	13803	4.541	ug/l	97
44) Trichloroethene	7.129	130	5355	4.635	ug/l	99
45) 1,2-Dichloropropane	7.434	63	6060	4.997	ug/l	99
46) Dibromomethane	7.580	93	4767	5.120	ug/l	99
47) Bromodichloromethane	7.818	83	8619	4.636	ug/l #	97
48) Methyl methacrylate	7.696	41	6908	4.401	ug/l	98
49) 1,4-Dioxane	7.665	88	3205	112.864	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	48050	23.844	ug/l	97
52) Toluene	8.714	92	14391	4.893	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	6643	5.834	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	7873	4.506	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	5741	4.898	ug/l	90
56) Ethyl methacrylate	9.116	69	8012	4.417	ug/l	95
57) 1,3-Dichloropropane	9.305	76	10208	5.002	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	21382	23.302	ug/l	99
59) 2-Hexanone	9.433	43	35628	23.875	ug/l	99
60) Dibromochloromethane	9.519	129	5855	4.582	ug/l	99
61) 1,2-Dibromoethane	9.610	107	5837	4.920	ug/l	98
64) Tetrachloroethene	9.275	164	5373	5.287	ug/l	93
65) Chlorobenzene	10.073	112	15178	4.935	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.159	131	4945	4.631	ug/l	97
67) Ethyl Benzene	10.195	91	26180	4.753	ug/l	97
68) m/p-Xylenes	10.299	106	19268	9.617	ug/l	99
69) o-Xylene	10.640	106	9735	4.932	ug/l	99
70) Styrene	10.653	104	15017	4.610	ug/l	96
71) Bromoform	10.799	173	3634	4.558	ug/l #	95
73) Isopropylbenzene	10.964	105	24604	4.806	ug/l	100
74) N-amyl acetate	10.848	43	10750	4.390	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	9127	5.075	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	8032m	5.152	ug/l	
77) Bromobenzene	11.195	156	5927	5.011	ug/l	97
78) n-propylbenzene	11.305	91	27777	4.711	ug/l	98
79) 2-Chlorotoluene	11.360	91	18358	4.870	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	19936	4.710	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	1752	3.814	ug/l	85
82) 4-Chlorotoluene	11.457	91	20171	4.799	ug/l	99
83) tert-Butylbenzene	11.713	119	19962	4.763	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	19998	4.707	ug/l	99
85) sec-Butylbenzene	11.890	105	24465	4.753	ug/l	100
86) p-Isopropyltoluene	12.006	119	20178	4.755	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	10255	4.763	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	11016	5.047	ug/l	93
89) n-Butylbenzene	12.329	91	15887	4.317	ug/l	98
90) Hexachloroethane	12.536	117	3151	4.320	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	10510	4.910	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	1661	4.417	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	5391	4.524	ug/l	95
94) Hexachlorobutadiene	13.719	225	2483	4.836	ug/l	98
95) Naphthalene	13.774	128	19618	4.424	ug/l	97
96) 1,2,3-Trichlorobenzene	13.957	180	5854	4.692	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
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 :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 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

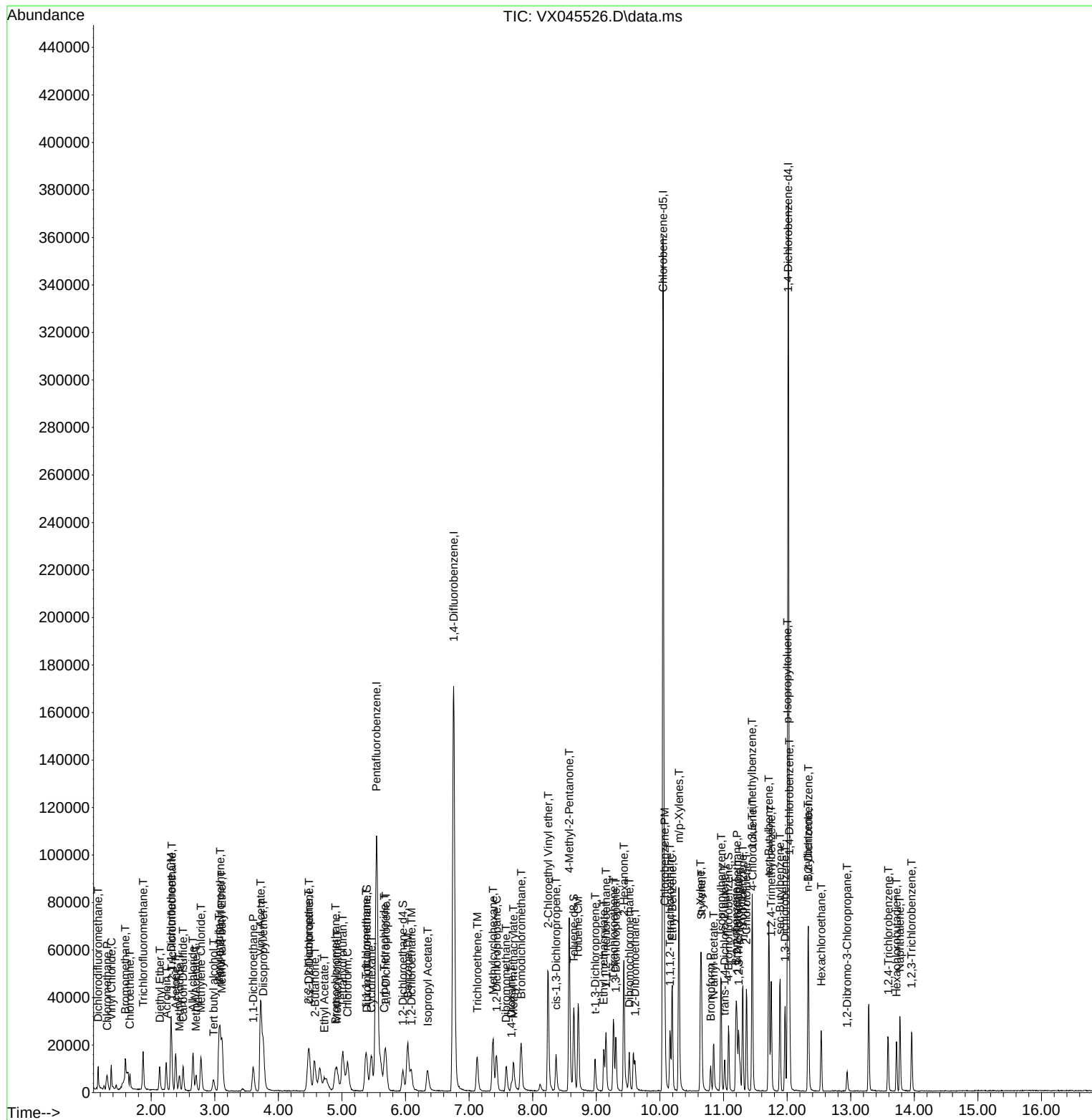
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045526.D
Acq On : 01 Apr 2025 17:29
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:51:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045527.D
 Acq On : 01 Apr 2025 17:52
 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:52:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	90228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	144087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	32500	19.697	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.400%#		
35) Dibromofluoromethane	5.385	113	21963	19.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.520%#		
50) Toluene-d8	8.647	98	79303	19.921	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.840%#		
62) 4-Bromofluorobenzene	11.079	95	28795	19.858	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	39.720%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25265	18.724	ug/l	97
3) Chloromethane	1.301	50	28034	20.223	ug/l	98
4) Vinyl Chloride	1.374	62	25285	19.931	ug/l	97
5) Bromomethane	1.593	94	11815	19.642	ug/l	99
6) Chloroethane	1.666	64	14071	20.905	ug/l	98
7) Trichlorofluoromethane	1.874	101	38815	20.518	ug/l	98
8) Diethyl Ether	2.136	74	12852	20.235	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	22917	20.673	ug/l	95
10) Methyl Iodide	2.441	142	28478	20.596	ug/l	99
11) Tert butyl alcohol	2.983	59	22453	101.253	ug/l	100
12) 1,1-Dichloroethene	2.306	96	22103	20.406	ug/l	96
13) Acrolein	2.239	56	28991	94.938	ug/l	99
14) Allyl chloride	2.660	41	41233	20.063	ug/l	99
15) Acrylonitrile	3.062	53	74487	106.412	ug/l	98
16) Acetone	2.386	43	69788	103.000	ug/l	99
17) Carbon Disulfide	2.502	76	51771	19.352	ug/l	98
18) Methyl Acetate	2.703	43	31190	19.994	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	78284	20.660	ug/l	96
20) Methylene Chloride	2.782	84	26212	20.664	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	22968	20.755	ug/l	92
22) Diisopropyl ether	3.757	45	84046	20.760	ug/l #	81
23) Vinyl Acetate	3.721	43	361881	103.458	ug/l	99
24) 1,1-Dichloroethane	3.605	63	47560	20.772	ug/l	99
25) 2-Butanone	4.556	43	105062	105.931	ug/l	99
26) 2,2-Dichloropropane	4.471	77	28956	19.574	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	27425	20.342	ug/l	98
28) Bromochloromethane	4.897	49	22285	20.141	ug/l	100
29) Tetrahydrofuran	5.007	42	66994	104.187	ug/l	99
30) Chloroform	5.093	83	48639	20.646	ug/l	100
31) Cyclohexane	5.458	56	41450	20.478	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	40407	20.270	ug/l	99
36) 1,1-Dichloropropene	5.684	75	30504	19.808	ug/l	98
37) Ethyl Acetate	4.715	43	39163	20.180	ug/l	98
38) Carbon Tetrachloride	5.672	117	33533	20.148	ug/l	94
39) Methylcyclohexane	7.373	83	38303	20.291	ug/l	97
40) Benzene	6.031	78	97667	20.766	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045527.D
 Acq On : 01 Apr 2025 17:52
 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:52:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21740	21.046	ug/l	97
42) 1,2-Dichloroethane	6.086	62	41733	21.484	ug/l	100
43) Isopropyl Acetate	6.342	43	61222	20.814	ug/l	99
44) Trichloroethene	7.123	130	22918	20.501	ug/l	97
45) 1,2-Dichloropropane	7.428	63	24926	21.241	ug/l	90
46) Dibromomethane	7.580	93	19104	21.207	ug/l	99
47) Bromodichloromethane	7.818	83	37036	20.587	ug/l	99
48) Methyl methacrylate	7.696	41	31247	20.575	ug/l	99
49) 1,4-Dioxane	7.659	88	12104	440.515	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	212645	109.055	ug/l	99
52) Toluene	8.714	92	60357	21.208	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	29870	18.764	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	35099	20.762	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	24191	21.331	ug/l	96
56) Ethyl methacrylate	9.116	69	36155	20.600	ug/l	99
57) 1,3-Dichloropropane	9.305	76	41900	21.217	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	91923	103.534	ug/l	100
59) 2-Hexanone	9.427	43	156999	108.730	ug/l	99
60) Dibromochloromethane	9.519	129	25992	21.023	ug/l	98
61) 1,2-Dibromoethane	9.604	107	24456	21.303	ug/l	99
64) Tetrachloroethene	9.269	164	21379	21.015	ug/l	98
65) Chlorobenzene	10.079	112	64727	21.023	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21447	20.064	ug/l	98
67) Ethyl Benzene	10.189	91	115368	20.921	ug/l	99
68) m/p-Xylenes	10.299	106	84420	42.092	ug/l	99
69) o-Xylene	10.640	106	41803	21.158	ug/l	100
70) Styrene	10.653	104	69290	21.249	ug/l	99
71) Bromoform	10.799	173	15659	19.619	ug/l #	99
73) Isopropylbenzene	10.957	105	110396	21.093	ug/l	100
74) N-amyl acetate	10.842	43	51238	20.466	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	38177	20.764	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	32690m	20.510	ug/l	
77) Bromobenzene	11.195	156	24902	20.592	ug/l	100
78) n-propylbenzene	11.299	91	130994	21.729	ug/l	98
79) 2-Chlorotoluene	11.360	91	81817	21.229	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	93328	21.564	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8435	17.961	ug/l	88
82) 4-Chlorotoluene	11.451	91	90704	21.108	ug/l	99
83) tert-Butylbenzene	11.713	119	89828	20.964	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	92242	21.235	ug/l	100
85) sec-Butylbenzene	11.890	105	112800	21.433	ug/l	100
86) p-Isopropyltoluene	12.006	119	91866	21.173	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	45105	20.490	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	46208	20.706	ug/l	99
89) n-Butylbenzene	12.329	91	77739	20.662	ug/l	100
90) Hexachloroethane	12.536	117	14544	19.505	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	45732	20.896	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8153	21.203	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	24787	20.347	ug/l	98
94) Hexachlorobutadiene	13.725	225	10488	19.979	ug/l	97
95) Naphthalene	13.774	128	94875	20.928	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	26113	20.471	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045527.D
Acq On : 01 Apr 2025 17:52
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 :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:52:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration

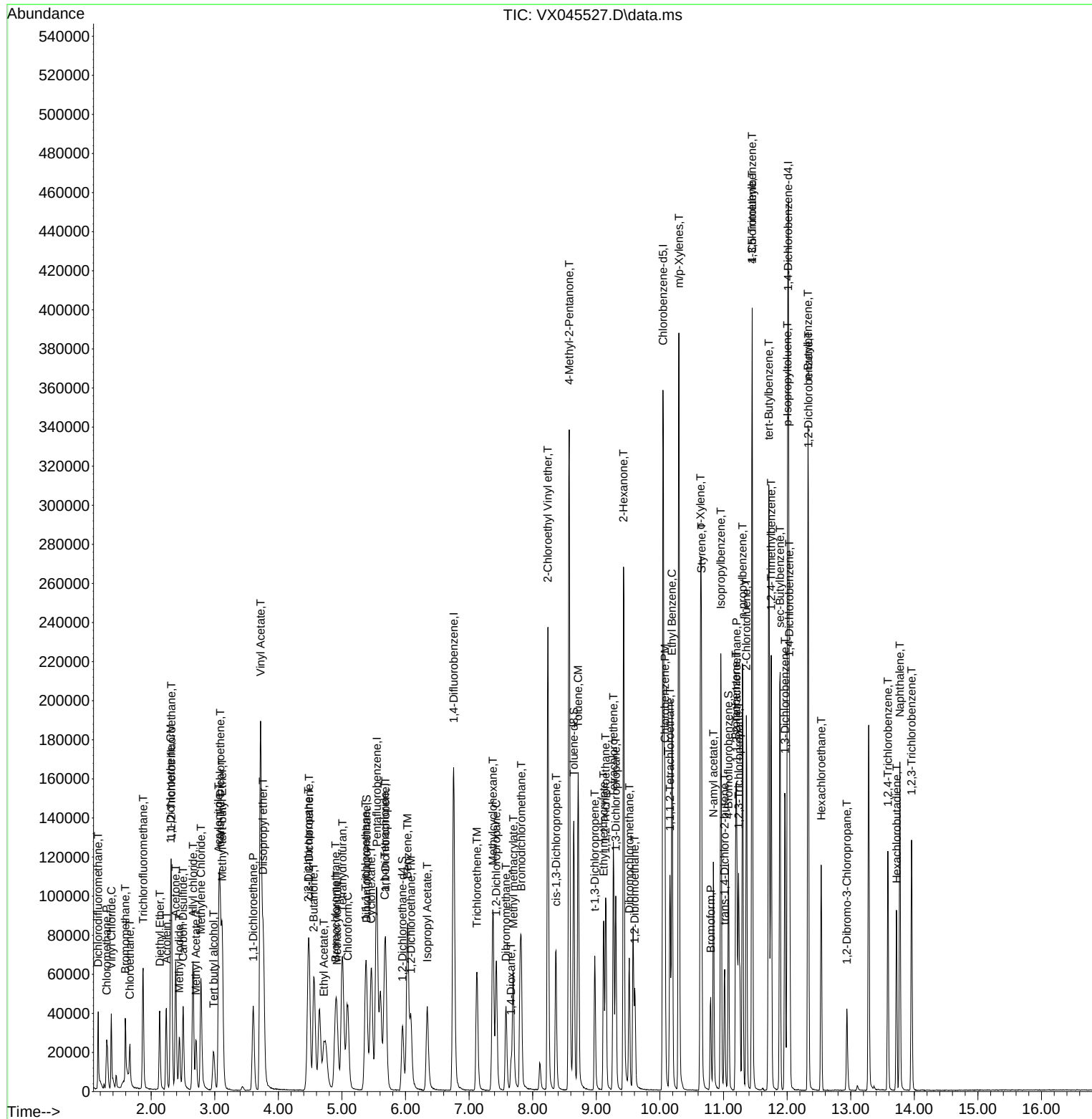
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045528.D
 Acq On : 01 Apr 2025 18:15
 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:53:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	95658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	168287	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	150201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83054	47.477	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.960%		
35) Dibromofluoromethane	5.379	113	58108	48.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.340%		
50) Toluene-d8	8.647	98	204338	49.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.060%		
62) 4-Bromofluorobenzene	11.079	95	76190	50.190	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	78444	54.834	ug/l	100
3) Chloromethane	1.307	50	75032	51.054	ug/l	100
4) Vinyl Chloride	1.374	62	68516	50.942	ug/l	100
5) Bromomethane	1.593	94	31584	49.526	ug/l	100
6) Chloroethane	1.666	64	38112	53.409	ug/l	100
7) Trichlorofluoromethane	1.874	101	103888	51.798	ug/l	100
8) Diethyl Ether	2.136	74	33953	50.424	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	59431	50.569	ug/l	100
10) Methyl Iodide	2.447	142	76404	52.121	ug/l	100
11) Tert butyl alcohol	2.977	59	60610	257.809	ug/l	100
12) 1,1-Dichloroethene	2.313	96	57738	50.278	ug/l	100
13) Acrolein	2.239	56	79989	247.074	ug/l	100
14) Allyl chloride	2.660	41	112085	51.441	ug/l	100
15) Acrylonitrile	3.062	53	194445	262.015	ug/l	100
16) Acetone	2.386	43	180563	251.366	ug/l	100
17) Carbon Disulfide	2.508	76	148601	52.393	ug/l	100
18) Methyl Acetate	2.703	43	82000	49.581	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	202582	50.429	ug/l	100
20) Methylene Chloride	2.782	84	67855	50.457	ug/l	100
21) trans-1,2-Dichloroethene	3.087	96	59696	50.882	ug/l	100
22) Diisopropyl ether	3.764	45	219374	51.111	ug/l	100
23) Vinyl Acetate	3.721	43	998064	269.139	ug/l	100
24) 1,1-Dichloroethane	3.605	63	121348	49.992	ug/l	100
25) 2-Butanone	4.556	43	280076	266.363	ug/l	100
26) 2,2-Dichloropropane	4.471	77	81054	51.683	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71871	50.282	ug/l	100
28) Bromochloromethane	4.897	49	57046	48.632	ug/l	100
29) Tetrahydrofuran	5.001	42	177402	260.230	ug/l	100
30) Chloroform	5.086	83	125797	50.366	ug/l	100
31) Cyclohexane	5.464	56	107407	50.052	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	106062	50.184	ug/l	100
36) 1,1-Dichloropropene	5.684	75	81607	50.620	ug/l	100
37) Ethyl Acetate	4.715	43	104896	51.632	ug/l	100
38) Carbon Tetrachloride	5.672	117	90247	51.797	ug/l	100
39) Methylcyclohexane	7.373	83	104678	52.970	ug/l	100
40) Benzene	6.031	78	249161	50.605	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045528.D
 Acq On : 01 Apr 2025 18:15
 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:53:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	59068	54.623	ug/l	100
42) 1,2-Dichloroethane	6.080	62	104601	51.437	ug/l	100
43) Isopropyl Acetate	6.336	43	164588	53.452	ug/l	100
44) Trichloroethene	7.123	130	59042	50.452	ug/l	100
45) 1,2-Dichloropropane	7.427	63	63316	51.540	ug/l	100
46) Dibromomethane	7.574	93	49125	52.092	ug/l	100
47) Bromodichloromethane	7.818	83	96176	51.068	ug/l	100
48) Methyl methacrylate	7.690	41	85483	53.768	ug/l	100
49) 1,4-Dioxane	7.659	88	31199	1084.635	ug/l	100
51) 4-Methyl-2-Pentanone	8.574	43	558029	273.375	ug/l	100
52) Toluene	8.714	92	153143	51.402	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	85462	47.317	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	95524	53.975	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	60452	50.919	ug/l	100
56) Ethyl methacrylate	9.116	69	100998	54.970	ug/l	100
57) 1,3-Dichloropropane	9.305	76	106580	51.554	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	250428	269.434	ug/l	100
59) 2-Hexanone	9.427	43	413824	273.765	ug/l	100
60) Dibromochloromethane	9.519	129	69258	53.511	ug/l	100
61) 1,2-Dibromoethane	9.604	107	62812	52.264	ug/l	100
64) Tetrachloroethene	9.269	164	52155	49.181	ug/l	100
65) Chlorobenzene	10.073	112	162829	50.733	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	55974	50.233	ug/l	100
67) Ethyl Benzene	10.189	91	301481	52.447	ug/l	100
68) m/p-Xylenes	10.299	106	218702	104.606	ug/l	100
69) o-Xylene	10.640	106	108028	52.452	ug/l	100
70) Styrene	10.653	104	182620	53.723	ug/l	100
71) Bromoform	10.799	173	44397	53.361	ug/l #	100
73) Isopropylbenzene	10.957	105	287628	52.203	ug/l	100
74) N-amyl acetate	10.842	43	141589	53.721	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	95200	49.185	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	84279m	50.230	ug/l	
77) Bromobenzene	11.195	156	64527	50.686	ug/l	100
78) n-propylbenzene	11.299	91	336796	53.069	ug/l	100
79) 2-Chlorotoluene	11.360	91	203994	50.279	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	241536	53.013	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	25488	51.556	ug/l	100
82) 4-Chlorotoluene	11.451	91	237213	52.439	ug/l	100
83) tert-Butylbenzene	11.713	119	235715	52.256	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	242301	52.986	ug/l	100
85) sec-Butylbenzene	11.890	105	295799	53.391	ug/l	100
86) p-Isopropyltoluene	12.006	119	242416	53.073	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	116890	50.441	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	117164	49.871	ug/l	100
89) n-Butylbenzene	12.329	91	217345	54.874	ug/l	100
90) Hexachloroethane	12.536	117	41095	52.352	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	115426	50.099	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21712	53.638	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	65145	50.797	ug/l	100
94) Hexachlorobutadiene	13.719	225	27795	50.296	ug/l	100
95) Naphthalene	13.774	128	256009	53.643	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	68781	51.219	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045528.D
Acq On : 01 Apr 2025 18:15
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 :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 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 :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045529.D
 Acq On : 01 Apr 2025 18:38
 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	86107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152724	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	155757	98.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 197.820%#			
35) Dibromofluoromethane	5.379	113	107908	99.585	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 199.160%#			
50) Toluene-d8	8.647	98	375599	99.309	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 198.620%#			
62) 4-Bromofluorobenzene	11.079	95	146944	106.664	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 213.320%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	144108	111.909	ug/l	99
3) Chloromethane	1.307	50	140360	106.098	ug/l	100
4) Vinyl Chloride	1.374	62	127174	105.042	ug/l	99
5) Bromomethane	1.593	94	58706	102.266	ug/l	98
6) Chloroethane	1.660	64	61099	95.120	ug/l	98
7) Trichlorofluoromethane	1.867	101	187555	103.887	ug/l	98
8) Diethyl Ether	2.136	74	61683	101.767	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	106989	101.133	ug/l	97
10) Methyl Iodide	2.441	142	135732	102.863	ug/l	100
11) Tert butyl alcohol	2.989	59	110044	519.999	ug/l	99
12) 1,1-Dichloroethene	2.306	96	106404	102.934	ug/l	99
13) Acrolein	2.233	56	146268	501.914	ug/l	99
14) Allyl chloride	2.654	41	206484	105.276	ug/l	99
15) Acrylonitrile	3.062	53	338970	507.426	ug/l	99
16) Acetone	2.386	43	314285	486.054	ug/l	100
17) Carbon Disulfide	2.502	76	276285	108.215	ug/l	100
18) Methyl Acetate	2.703	43	147272	98.925	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	381719	105.561	ug/l	99
20) Methylene Chloride	2.782	84	121435	100.316	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	106896	101.220	ug/l	98
22) Diisopropyl ether	3.757	45	406185	105.132	ug/l	95
23) Vinyl Acetate	3.721	43	1848817	553.853	ug/l	99
24) 1,1-Dichloroethane	3.605	63	220934	101.114	ug/l	100
25) 2-Butanone	4.556	43	491249	519.018	ug/l	100
26) 2,2-Dichloropropane	4.465	77	155592	110.215	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	129785	100.871	ug/l	98
28) Bromochloromethane	4.891	49	105093	99.530	ug/l	100
29) Tetrahydrofuran	5.001	42	313121	510.264	ug/l	99
30) Chloroform	5.086	83	225402	100.255	ug/l	99
31) Cyclohexane	5.458	56	197136	102.056	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	198511	104.346	ug/l	99
36) 1,1-Dichloropropene	5.684	75	151448	103.515	ug/l	99
37) Ethyl Acetate	4.715	43	192130	104.207	ug/l	99
38) Carbon Tetrachloride	5.672	117	166465	105.278	ug/l	99
39) Methylcyclohexane	7.373	83	191752	106.921	ug/l	99
40) Benzene	6.031	78	452946	101.369	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045529.D
 Acq On : 01 Apr 2025 18:38
 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	107037	109.068	ug/l	99
42) 1,2-Dichloroethane	6.080	62	189528	102.696	ug/l	100
43) Isopropyl Acetate	6.336	43	305974	109.494	ug/l	100
44) Trichloroethene	7.123	130	107332	101.062	ug/l	97
45) 1,2-Dichloropropane	7.421	63	115731	103.806	ug/l	98
46) Dibromomethane	7.574	93	87381	102.101	ug/l	97
47) Bromodichloromethane	7.818	83	179265	104.886	ug/l	98
48) Methyl methacrylate	7.690	41	158241	109.675	ug/l	99
49) 1,4-Dioxane	7.665	88	52624	2015.906	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	988881	533.814	ug/l	99
52) Toluene	8.714	92	276323	102.199	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	169413	100.645	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	182328	113.521	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	109208	101.361	ug/l	98
56) Ethyl methacrylate	9.116	69	192034	115.168	ug/l	99
57) 1,3-Dichloropropane	9.305	76	192473	102.588	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	460297	545.696	ug/l	100
59) 2-Hexanone	9.427	43	738772	538.538	ug/l	99
60) Dibromochloromethane	9.519	129	128700	109.570	ug/l	98
61) 1,2-Dibromoethane	9.604	107	115919	106.282	ug/l	99
64) Tetrachloroethene	9.269	164	90817	94.325	ug/l	99
65) Chlorobenzene	10.073	112	296300	101.682	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	103437	102.243	ug/l	99
67) Ethyl Benzene	10.189	91	543568	104.152	ug/l	99
68) m/p-Xylenes	10.299	106	394241	207.694	ug/l	100
69) o-Xylene	10.640	106	195381	104.487	ug/l	99
70) Styrene	10.653	104	335333	108.654	ug/l	100
71) Bromoform	10.799	173	83632	110.714	ug/l #	97
73) Isopropylbenzene	10.957	105	522436	100.944	ug/l	100
74) N-amyl acetate	10.842	43	275462	111.267	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	174977	96.243	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	154048m	97.744	ug/l	
77) Bromobenzene	11.195	156	119561	99.983	ug/l	99
78) n-propylbenzene	11.299	91	622679	104.454	ug/l	100
79) 2-Chlorotoluene	11.360	91	376682	98.840	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	435137	101.675	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	51873	111.704	ug/l	95
82) 4-Chlorotoluene	11.451	91	432884	101.877	ug/l	99
83) tert-Butylbenzene	11.713	119	437649	103.292	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	444211	103.414	ug/l	99
85) sec-Butylbenzene	11.890	105	546857	105.082	ug/l	100
86) p-Isopropyltoluene	12.006	119	453109	105.609	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	221481	101.749	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	216367	98.047	ug/l	98
89) n-Butylbenzene	12.329	91	420694	113.075	ug/l	99
90) Hexachloroethane	12.536	117	80489	109.160	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	215157	99.419	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43047	113.214	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	135046	112.106	ug/l	99
94) Hexachlorobutadiene	13.725	225	53636	103.326	ug/l	98
95) Naphthalene	13.774	128	499719	111.473	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	137328	108.869	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045529.D
Acq On : 01 Apr 2025 18:38
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 :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 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 APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045530.D
 Acq On : 01 Apr 2025 19:02
 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	90033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	160037	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61380	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	252998	153.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 307.320%#			
35) Dibromofluoromethane	5.379	113	173598	152.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 305.780%#			
50) Toluene-d8	8.647	98	603264	152.216	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 304.440%#			
62) 4-Bromofluorobenzene	11.079	95	220921	153.035	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 306.060%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	221436	164.460	ug/l	100
3) Chloromethane	1.307	50	198321	143.373	ug/l	98
4) Vinyl Chloride	1.374	62	197096	155.697	ug/l	100
5) Bromomethane	1.593	94	88225	146.986	ug/l	97
6) Chloroethane	1.660	64	86251	128.421	ug/l	97
7) Trichlorofluoromethane	1.868	101	267098	141.495	ug/l	100
8) Diethyl Ether	2.136	74	96467	152.215	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	171118	154.698	ug/l	97
10) Methyl Iodide	2.441	142	202594	146.838	ug/l	99
11) Tert butyl alcohol	2.989	59	167769	758.202	ug/l	100
12) 1,1-Dichloroethene	2.307	96	166365	153.921	ug/l	97
13) Acrolein	2.239	56	232818	764.070	ug/l	100
14) Allyl chloride	2.654	41	313268	152.755	ug/l	99
15) Acrylonitrile	3.069	53	507965	727.247	ug/l	100
16) Acetone	2.386	43	479564	709.323	ug/l	99
17) Carbon Disulfide	2.502	76	443495	166.133	ug/l	99
18) Methyl Acetate	2.703	43	228558	146.832	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	598532	158.301	ug/l	99
20) Methylene Chloride	2.782	84	186382	147.254	ug/l	99
21) trans-1,2-Dichloroethene	3.081	96	170283	154.210	ug/l	98
22) Diisopropyl ether	3.764	45	636728	157.617	ug/l	94
23) Vinyl Acetate	3.721	43	2911326	834.120	ug/l	100
24) 1,1-Dichloroethane	3.605	63	349040	152.778	ug/l	99
25) 2-Butanone	4.556	43	740096	747.834	ug/l	99
26) 2,2-Dichloropropane	4.465	77	252063	170.765	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	205254	152.571	ug/l	98
28) Bromochloromethane	4.891	49	155600	140.938	ug/l	97
29) Tetrahydrofuran	5.001	42	475589	741.226	ug/l	100
30) Chloroform	5.087	83	353681	150.451	ug/l	98
31) Cyclohexane	5.458	56	310219	153.595	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	315136	158.426	ug/l	98
36) 1,1-Dichloropropene	5.684	75	239776	156.399	ug/l	98
37) Ethyl Acetate	4.715	43	294559	152.461	ug/l	99
38) Carbon Tetrachloride	5.672	117	266770	161.005	ug/l	99
39) Methylcyclohexane	7.373	83	303251	161.366	ug/l	96
40) Benzene	6.031	78	703311	150.208	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045530.D
 Acq On : 01 Apr 2025 19:02
 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 :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 02:44:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	164699	160.155	ug/l	98
42) 1,2-Dichloroethane	6.080	62	296168	153.146	ug/l	100
43) Isopropyl Acetate	6.336	43	475823	162.494	ug/l	99
44) Trichloroethene	7.117	130	170940	153.599	ug/l	95
45) 1,2-Dichloropropane	7.428	63	179457	153.610	ug/l	98
46) Dibromomethane	7.574	93	135415	150.996	ug/l	98
47) Bromodichloromethane	7.818	83	279881	156.272	ug/l	98
48) Methyl methacrylate	7.690	41	240818	159.281	ug/l	99
49) 1,4-Dioxane	7.659	88	74929	2739.196	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1414771	728.817	ug/l	99
52) Toluene	8.714	92	420015	148.245	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	267671	150.589	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	287973	171.104	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	163426	144.752	ug/l	98
56) Ethyl methacrylate	9.116	69	285895	163.624	ug/l	98
57) 1,3-Dichloropropane	9.305	76	288430	146.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	703881	796.340	ug/l	99
59) 2-Hexanone	9.433	43	1053971	733.198	ug/l	100
60) Dibromochloromethane	9.519	129	194342	157.895	ug/l	98
61) 1,2-Dibromoethane	9.610	107	174571	152.745	ug/l	99
64) Tetrachloroethene	9.269	164	138926	147.568	ug/l	98
65) Chlorobenzene	10.080	112	444631	156.049	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	156069	157.769	ug/l	99
67) Ethyl Benzene	10.189	91	821130	160.907	ug/l	99
68) m/p-Xylenes	10.299	106	583228	314.231	ug/l	99
69) o-Xylene	10.640	106	285670	156.241	ug/l	100
70) Styrene	10.653	104	480722	159.299	ug/l	99
71) Bromoform	10.799	173	126115	170.743	ug/l #	98
73) Isopropylbenzene	10.957	105	764406	155.475	ug/l	100
74) N-amyl acetate	10.842	43	408934	173.877	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	249980	144.737	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	215694m	144.064	ug/l	
77) Bromobenzene	11.195	156	171573	151.033	ug/l	99
78) n-propylbenzene	11.305	91	897084	158.408	ug/l	100
79) 2-Chlorotoluene	11.360	91	537263	148.399	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	620819	152.700	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	78805	178.636	ug/l	93
82) 4-Chlorotoluene	11.451	91	615594	152.505	ug/l	99
83) tert-Butylbenzene	11.713	119	627039	155.783	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	629704	154.317	ug/l	100
85) sec-Butylbenzene	11.890	105	790355	159.869	ug/l	100
86) p-Isopropyltoluene	12.006	119	641521	157.397	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	314077	151.885	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	314197	149.876	ug/l	99
89) n-Butylbenzene	12.329	91	604445	171.019	ug/l	100
90) Hexachloroethane	12.536	117	121761	173.829	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	307031	149.342	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	64317	178.062	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	199365	174.213	ug/l	99
94) Hexachlorobutadiene	13.725	225	77792	157.752	ug/l	99
95) Naphthalene	13.774	128	733300	172.191	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	201989	168.562	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
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 :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 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

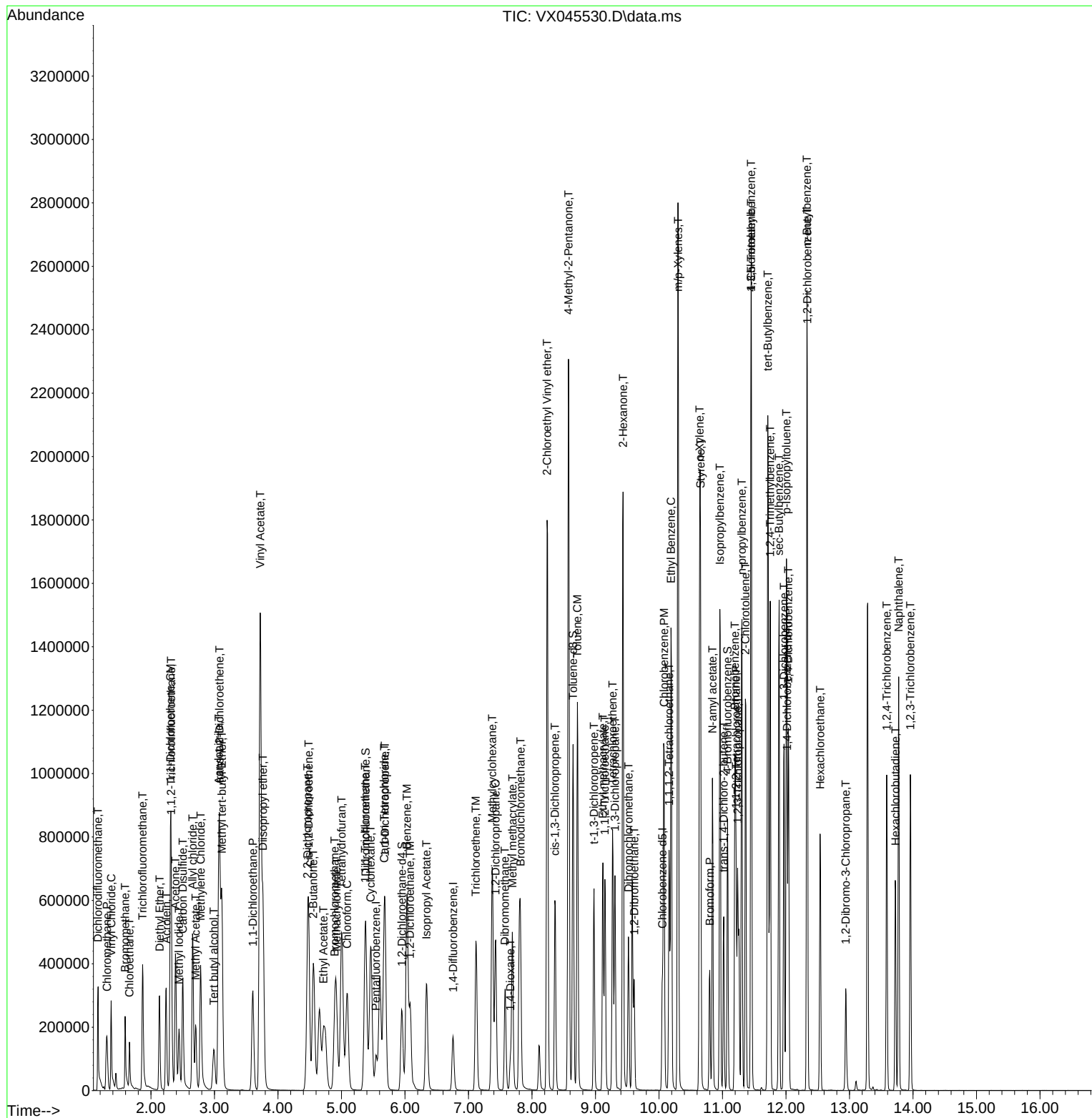
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045530.D
Acq On : 01 Apr 2025 19:02
Operator : JC/MD
Sample : VSTDIC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 02:54:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 02:44:48 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045532.D
 Acq On : 01 Apr 2025 19:48
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX040225

Quant Time: Apr 02 03:14:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	96972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	174855	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	152417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	67633	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89251	50.329	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.660%			
35) Dibromofluoromethane	5.379	113	61107	49.256	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	8.647	98	217200	50.160	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.320%			
62) 4-Bromofluorobenzene	11.079	95	80376	50.959	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.920%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	76070	52.454	ug/l	97
3) Chloromethane	1.301	50	72033	48.349	ug/l	99
4) Vinyl Chloride	1.374	62	66559	48.816	ug/l	99
5) Bromomethane	1.593	94	30379	46.991	ug/l	99
6) Chloroethane	1.672	64	37317	51.586	ug/l	100
7) Trichlorofluoromethane	1.880	101	102379	50.354	ug/l	96
8) Diethyl Ether	2.130	74	33603	49.228	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	59007	49.528	ug/l	98
10) Methyl Iodide	2.447	142	72261	48.626	ug/l	99
11) Tert butyl alcohol	2.971	59	58774	246.612	ug/l	99
12) 1,1-Dichloroethene	2.313	96	57888	49.726	ug/l	99
13) Acrolein	2.233	56	78156	238.141	ug/l	99
14) Allyl chloride	2.660	41	111636	50.541	ug/l	99
15) Acrylonitrile	3.062	53	186837	248.351	ug/l	100
16) Acetone	2.380	43	176153	241.904	ug/l	99
17) Carbon Disulfide	2.508	76	149677	52.057	ug/l	100
18) Methyl Acetate	2.703	43	81720	48.742	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	207487	50.950	ug/l	100
20) Methylene Chloride	2.782	84	66875	49.055	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	59229	49.800	ug/l	98
22) Diisopropyl ether	3.757	45	221449	50.895	ug/l	92
23) Vinyl Acetate	3.715	43	1005423	267.449	ug/l	99
24) 1,1-Dichloroethane	3.605	63	122240	49.677	ug/l	99
25) 2-Butanone	4.550	43	271686	254.882	ug/l	97
26) 2,2-Dichloropropane	4.471	77	82704	52.020	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	71072	49.049	ug/l	98
28) Bromochloromethane	4.891	49	57557	48.403	ug/l	99
29) Tetrahydrofuran	5.001	42	172405	249.473	ug/l	100
30) Chloroform	5.086	83	125621	49.614	ug/l	98
31) Cyclohexane	5.458	56	107862	49.583	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	107830	50.330	ug/l	99
36) 1,1-Dichloropropene	5.684	75	83901	50.088	ug/l	99
37) Ethyl Acetate	4.708	43	105095	49.787	ug/l	98
38) Carbon Tetrachloride	5.672	117	91723	50.667	ug/l	100
39) Methylcyclohexane	7.373	83	102919	50.124	ug/l	99
40) Benzene	6.031	78	251758	49.212	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045532.D
 Acq On : 01 Apr 2025 19:48
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX040225

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:14:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	59140	53.098	ug/l	99
42) 1,2-Dichloroethane	6.080	62	103270	48.875	ug/l	100
43) Isopropyl Acetate	6.336	43	164894	51.539	ug/l	100
44) Trichloroethene	7.123	130	57931	47.643	ug/l	92
45) 1,2-Dichloropropane	7.421	63	63210	49.521	ug/l	95
46) Dibromomethane	7.574	93	47564	48.542	ug/l	97
47) Bromodichloromethane	7.818	83	96418	49.273	ug/l	96
48) Methyl methacrylate	7.690	41	85084	51.507	ug/l	99
49) 1,4-Dioxane	7.659	88	28552	955.327	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	540822	254.994	ug/l	100
52) Toluene	8.714	92	151664	48.994	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	87744	46.783	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	99074	53.878	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	60452	49.007	ug/l	97
56) Ethyl methacrylate	9.116	69	102525	53.705	ug/l	100
57) 1,3-Dichloropropane	9.305	76	107121	49.869	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	251285	260.201	ug/l	99
59) 2-Hexanone	9.427	43	395336	251.710	ug/l	100
60) Dibromochloromethane	9.519	129	68562	50.983	ug/l	99
61) 1,2-Dibromoethane	9.604	107	63301	50.693	ug/l	100
64) Tetrachloroethene	9.269	164	50834	47.239	ug/l	99
65) Chlorobenzene	10.073	112	163518	50.207	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	57096	50.495	ug/l	99
67) Ethyl Benzene	10.189	91	300747	51.558	ug/l	100
68) m/p-Xylenes	10.299	106	217943	102.728	ug/l	99
69) o-Xylene	10.640	106	107947	51.650	ug/l	100
70) Styrene	10.653	104	181524	52.624	ug/l	100
71) Bromoform	10.799	173	44489	52.694	ug/l #	98
73) Isopropylbenzene	10.957	105	286010	52.794	ug/l	100
74) N-amyl acetate	10.842	43	140941	54.387	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	92505	48.608	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	82060m	49.741	ug/l	
77) Bromobenzene	11.195	156	63244	50.525	ug/l	98
78) n-propylbenzene	11.299	91	336753	53.967	ug/l	100
79) 2-Chlorotoluene	11.360	91	203677	51.057	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	239822	53.534	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	25511	52.482	ug/l	98
82) 4-Chlorotoluene	11.451	91	233159	52.422	ug/l	100
83) tert-Butylbenzene	11.713	119	236276	53.274	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	238257	52.990	ug/l	100
85) sec-Butylbenzene	11.890	105	293633	53.903	ug/l	100
86) p-Isopropyltoluene	12.006	119	244031	54.337	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	115113	50.521	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	113458	49.117	ug/l	97
89) n-Butylbenzene	12.329	91	214931	55.189	ug/l	99
90) Hexachloroethane	12.536	117	41729	54.066	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	113126	49.938	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21184	53.226	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	65488	51.935	ug/l	98
94) Hexachlorobutadiene	13.725	225	27147	49.961	ug/l	99
95) Naphthalene	13.774	128	247600	52.765	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	66542	50.396	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Manual Integrations
APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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

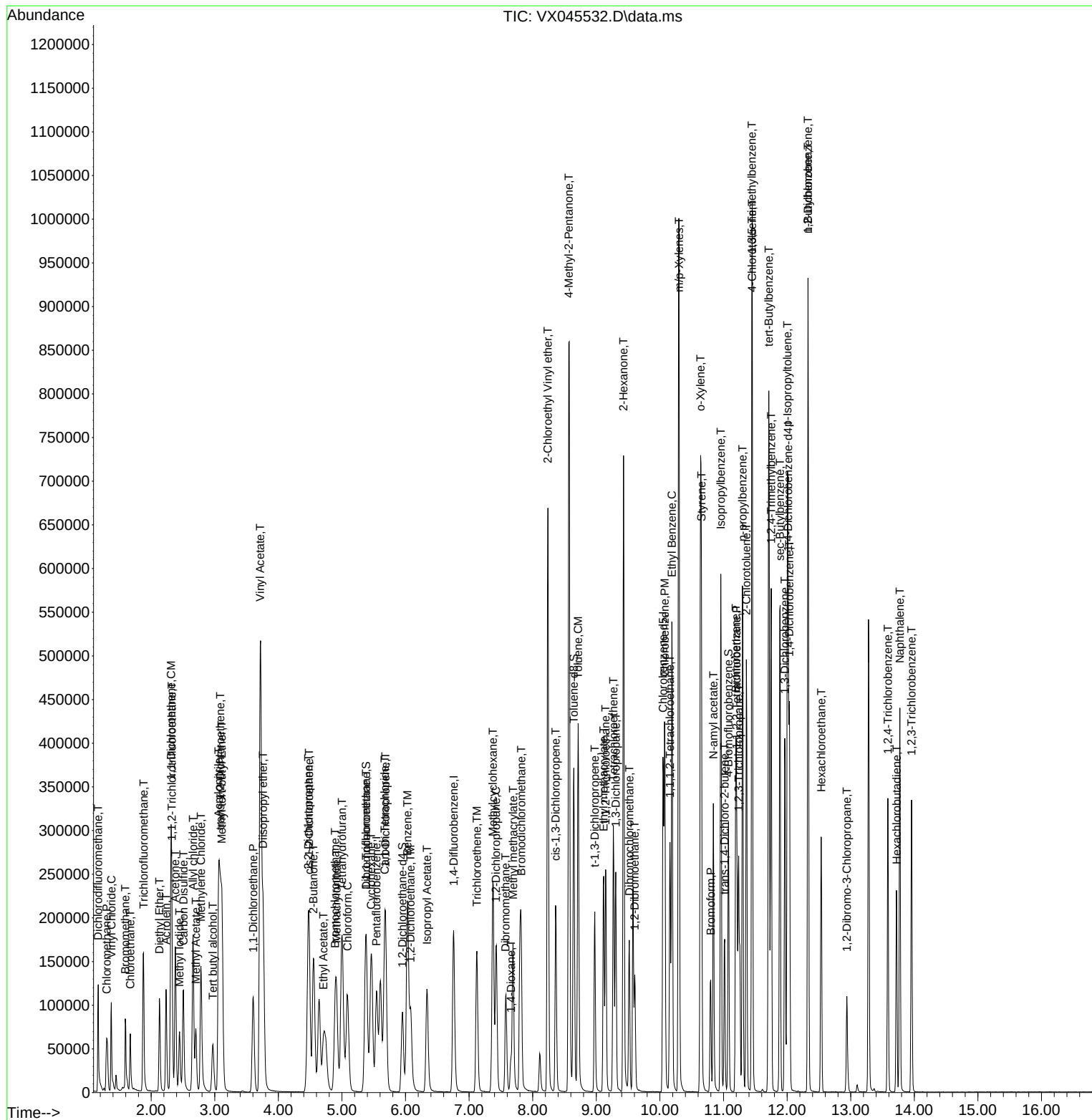
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045532.D
 Acq On : 01 Apr 2025 19:48
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX040225

Quant Time: Apr 02 03:14:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045532.D
 Acq On : 01 Apr 2025 19:48
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX040225

Quant Time: Apr 02 03:14:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 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	101	0.00
2 T	Dichlorodifluoromethane	0.748	0.784	-4.8	97	0.00
3 P	Chloromethane	0.768	0.743	3.3	96	0.00
4 C	Vinyl Chloride	0.703	0.686	2.4#	97	0.00
5 T	Bromomethane	0.333	0.313	6.0	96	0.00
6 T	Chloroethane	0.373	0.385	-3.2	98	0.00
7 T	Trichlorofluoromethane	1.048	1.056	-0.8	99	0.00
8 T	Diethyl Ether	0.352	0.347	1.4	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.614	0.608	1.0	99	0.00
10 T	Methyl Iodide	0.766	0.745	2.7	95	0.00
11 T	Tert butyl alcohol	0.123	0.121	1.6	97	0.00
12 CM	1,1-Dichloroethene	0.600	0.597	0.5#	100	0.00
13 T	Acrolein	0.169	0.161	4.7	98	0.00
14 T	Allyl chloride	1.139	1.151	-1.1	100	0.00
15 T	Acrylonitrile	0.388	0.385	0.8	96	0.00
16 T	Acetone	0.375	0.363	3.2	98	0.00
17 T	Carbon Disulfide	1.483	1.544	-4.1	101	0.00
18 T	Methyl Acetate	0.864	0.843	2.4	100	0.00
19 T	Methyl tert-butyl Ether	2.100	2.140	-1.9	102	0.00
20 T	Methylene Chloride	0.703	0.690	1.8	99	0.00
21 T	trans-1,2-Dichloroethene	0.613	0.611	0.3	99	0.00
22 T	Diisopropyl ether	2.243	2.284	-1.8	101	0.00
23 T	Vinyl Acetate	1.938	2.074	-7.0	101	0.00
24 P	1,1-Dichloroethane	1.269	1.261	0.6	101	0.00
25 T	2-Butanone	0.550	0.560	-1.8	97	0.00
26 T	2,2-Dichloropropane	0.820	0.853	-4.0	102	0.00
27 T	cis-1,2-Dichloroethene	0.747	0.733	1.9	99	0.00
28 T	Bromochloromethane	0.613	0.594	3.1	101	0.00
29 T	Tetrahydrofuran	0.356	0.356	0.0	97	0.00
30 C	Chloroform	1.306	1.295	0.8#	100	0.00
31 T	Cyclohexane	1.122	1.112	0.9	100	0.00
32 T	1,1,1-Trichloroethane	1.105	1.112	-0.6	102	0.00
33 S	1,2-Dichloroethane-d4	0.914	0.920	-0.7	107	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35 S	Dibromofluoromethane	0.355	0.349	1.7	105	0.00
36 T	1,1-Dichloropropene	0.479	0.480	-0.2	103	0.00
37 T	Ethyl Acetate	0.604	0.601	0.5	100	0.00
38 T	Carbon Tetrachloride	0.518	0.525	-1.4	102	0.00
39 T	Methylcyclohexane	0.587	0.589	-0.3	98	0.00
40 TM	Benzene	1.463	1.440	1.6	101	0.00
41 T	Methacrylonitrile	0.318	0.338	-6.3	100	0.00
42 TM	1,2-Dichloroethane	0.604	0.591	2.2	99	0.00
43 T	Isopropyl Acetate	0.915	0.943	-3.1	100	0.00
44 TM	Trichloroethene	0.348	0.331	4.9	98	0.00
45 C	1,2-Dichloropropane	0.365	0.361	1.1#	100	0.00
46 T	Dibromomethane	0.280	0.272	2.9	97	0.00
47 T	Bromodichloromethane	0.560	0.551	1.6	100	0.00
48 T	Methyl methacrylate	0.472	0.487	-3.2	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
 Data File : VX045532.D
 Acq On : 01 Apr 2025 19:48
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX040225

Quant Time: Apr 02 03:14:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 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	0.009	0.008	11.1	92	0.00
50 S	Toluene-d8	1.238	1.242	-0.3	106	0.00
51 T	4-Methyl-2-Pentanone	0.606	0.619	-2.1	97	0.00
52 CM	Toluene	0.885	0.867	2.0#	99	0.00
53 T	t-1,3-Dichloropropene	0.467	0.502	-7.5	103	0.00
54 T	cis-1,3-Dichloropropene	0.526	0.567	-7.8	104	0.00
55 T	1,1,2-Trichloroethane	0.353	0.346	2.0	100	0.00
56 T	Ethyl methacrylate	0.546	0.586	-7.3	102	0.00
57 T	1,3-Dichloropropane	0.614	0.613	0.2	101	0.00
58 T	2-Chloroethyl Vinyl ether	0.276	0.287	-4.0	100	0.00
59 T	2-Hexanone	0.449	0.452	-0.7	96	0.00
60 T	Dibromochloromethane	0.385	0.392	-1.8	99	0.00
61 T	1,2-Dibromoethane	0.357	0.362	-1.4	101	0.00
62 S	4-Bromofluorobenzene	0.451	0.460	-2.0	105	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
64 T	Tetrachloroethene	0.353	0.334	5.4	97	0.00
65 PM	Chlorobenzene	1.068	1.073	-0.5	100	0.00
66 T	1,1,1,2-Tetrachloroethane	0.371	0.375	-1.1	102	0.00
67 C	Ethyl Benzene	1.914	1.973	-3.1#	100	0.00
68 T	m/p-Xylenes	0.696	0.715	-2.7	100	0.00
69 T	o-Xylene	0.686	0.708	-3.2	100	0.00
70 T	Styrene	1.132	1.191	-5.2	99	0.00
71 P	Bromoform	0.277	0.292	-5.4	100	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73 T	Isopropylbenzene	4.005	4.229	-5.6	99	0.00
74 T	N-amyl acetate	1.916	2.084	-8.8	100	0.00
75 P	1,1,2,2-Tetrachloroethane	1.407	1.368	2.8	97	0.00
76 T	1,2,3-Trichloropropane	1.220	1.213	0.6	97	0.00
77 T	Bromobenzene	0.925	0.935	-1.1	98	0.00
78 T	n-propylbenzene	4.613	4.979	-7.9	100	0.00
79 T	2-Chlorotoluene	2.949	3.012	-2.1	100	0.00
80 T	1,3,5-Trimethylbenzene	3.312	3.546	-7.1	99	0.00
81 T	trans-1,4-Dichloro-2-butene	0.359	0.377	-5.0	100	0.00
82 T	4-Chlorotoluene	3.288	3.447	-4.8	98	0.00
83 T	tert-Butylbenzene	3.279	3.494	-6.6	100	0.00
84 T	1,2,4-Trimethylbenzene	3.324	3.523	-6.0	98	0.00
85 T	sec-Butylbenzene	4.027	4.342	-7.8	99	0.00
86 T	p-Isopropyltoluene	3.320	3.608	-8.7	101	0.00
87 T	1,3-Dichlorobenzene	1.684	1.702	-1.1	98	0.00
88 T	1,4-Dichlorobenzene	1.708	1.678	1.8	97	0.00
89 T	n-Butylbenzene	2.879	3.178	-10.4	99	0.00
90 T	Hexachloroethane	0.571	0.617	-8.1	102	0.00
91 T	1,2-Dichlorobenzene	1.675	1.673	0.1	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.294	0.313	-6.5	98	0.00
93 T	1,2,4-Trichlorobenzene	0.932	0.968	-3.9	101	0.00
94 T	Hexachlorobutadiene	0.402	0.401	0.2	98	0.00
95 T	Naphthalene	3.469	3.661	-5.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.976	0.984	-0.8	97	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX040225\
 Data File : VX045532.D
 Acq On : 01 Apr 2025 19:48
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX040225

Quant Time: Apr 02 03:14:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 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	101	0.00
2 T	Dichlorodifluoromethane	50.000	52.454	-4.9	97	0.00
3 P	Chloromethane	50.000	48.349	3.3	96	0.00
4 C	Vinyl Chloride	50.000	48.816	2.4#	97	0.00
5 T	Bromomethane	50.000	46.991	6.0	96	0.00
6 T	Chloroethane	50.000	51.586	-3.2	98	0.00
7 T	Trichlorofluoromethane	50.000	50.354	-0.7	99	0.00
8 T	Diethyl Ether	50.000	49.228	1.5	99	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.528	0.9	99	0.00
10 T	Methyl Iodide	50.000	48.626	2.7	95	0.00
11 T	Tert butyl alcohol	250.000	246.612	1.4	97	0.00
12 CM	1,1-Dichloroethene	50.000	49.726	0.5#	100	0.00
13 T	Acrolein	250.000	238.141	4.7	98	0.00
14 T	Allyl chloride	50.000	50.541	-1.1	100	0.00
15 T	Acrylonitrile	250.000	248.351	0.7	96	0.00
16 T	Acetone	250.000	241.904	3.2	98	0.00
17 T	Carbon Disulfide	50.000	52.057	-4.1	101	0.00
18 T	Methyl Acetate	50.000	48.742	2.5	100	0.00
19 T	Methyl tert-butyl Ether	50.000	50.950	-1.9	102	0.00
20 T	Methylene Chloride	50.000	49.055	1.9	99	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.800	0.4	99	0.00
22 T	Diisopropyl ether	50.000	50.895	-1.8	101	0.00
23 T	Vinyl Acetate	250.000	267.449	-7.0	101	0.00
24 P	1,1-Dichloroethane	50.000	49.677	0.6	101	0.00
25 T	2-Butanone	250.000	254.882	-2.0	97	0.00
26 T	2,2-Dichloropropane	50.000	52.020	-4.0	102	0.00
27 T	cis-1,2-Dichloroethene	50.000	49.049	1.9	99	0.00
28 T	Bromochloromethane	50.000	48.403	3.2	101	0.00
29 T	Tetrahydrofuran	250.000	249.473	0.2	97	0.00
30 C	Chloroform	50.000	49.614	0.8#	100	0.00
31 T	Cyclohexane	50.000	49.583	0.8	100	0.00
32 T	1,1,1-Trichloroethane	50.000	50.330	-0.7	102	0.00
33 S	1,2-Dichloroethane-d4	50.000	50.329	-0.7	107	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35 S	Dibromofluoromethane	50.000	49.256	1.5	105	0.00
36 T	1,1-Dichloropropene	50.000	50.088	-0.2	103	0.00
37 T	Ethyl Acetate	50.000	49.787	0.4	100	0.00
38 T	Carbon Tetrachloride	50.000	50.667	-1.3	102	0.00
39 T	Methylcyclohexane	50.000	50.124	-0.2	98	0.00
40 TM	Benzene	50.000	49.212	1.6	101	0.00
41 T	Methacrylonitrile	50.000	53.098	-6.2	100	0.00
42 TM	1,2-Dichloroethane	50.000	48.875	2.3	99	0.00
43 T	Isopropyl Acetate	50.000	51.539	-3.1	100	0.00
44 TM	Trichloroethene	50.000	47.643	4.7	98	0.00
45 C	1,2-Dichloropropane	50.000	49.521	1.0#	100	0.00
46 T	Dibromomethane	50.000	48.542	2.9	97	0.00
47 T	Bromodichloromethane	50.000	49.273	1.5	100	0.00
48 T	Methyl methacrylate	50.000	51.507	-3.0	100	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\WX040225\
 Data File : VX045532.D
 Acq On : 01 Apr 2025 19:48
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICSVVX040225

Quant Time: Apr 02 03:14:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 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	955.327	4.5	92	0.00
50 S	Toluene-d8	50.000	50.160	-0.3	106	0.00
51 T	4-Methyl-2-Pentanone	250.000	254.994	-2.0	97	0.00
52 CM	Toluene	50.000	48.994	2.0#	99	0.00
53 T	t-1,3-Dichloropropene	50.000	46.783	6.4	103	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.878	-7.8	104	0.00
55 T	1,1,2-Trichloroethane	50.000	49.007	2.0	100	0.00
56 T	Ethyl methacrylate	50.000	53.705	-7.4	102	0.00
57 T	1,3-Dichloropropane	50.000	49.869	0.3	101	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	260.201	-4.1	100	0.00
59 T	2-Hexanone	250.000	251.710	-0.7	96	0.00
60 T	Dibromochloromethane	50.000	50.983	-2.0	99	0.00
61 T	1,2-Dibromoethane	50.000	50.693	-1.4	101	0.00
62 S	4-Bromofluorobenzene	50.000	50.959	-1.9	105	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	101	0.00
64 T	Tetrachloroethene	50.000	47.239	5.5	97	0.00
65 PM	Chlorobenzene	50.000	50.207	-0.4	100	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.495	-1.0	102	0.00
67 C	Ethyl Benzene	50.000	51.558	-3.1#	100	0.00
68 T	m/p-Xylenes	100.000	102.728	-2.7	100	0.00
69 T	o-Xylene	50.000	51.650	-3.3	100	0.00
70 T	Styrene	50.000	52.624	-5.2	99	0.00
71 P	Bromoform	50.000	52.694	-5.4	100	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73 T	Isopropylbenzene	50.000	52.794	-5.6	99	0.00
74 T	N-ethyl acetate	50.000	54.387	-8.8	100	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	48.608	2.8	97	0.00
76 T	1,2,3-Trichloropropane	50.000	49.741	0.5	97	0.00
77 T	Bromobenzene	50.000	50.525	-1.0	98	0.00
78 T	n-propylbenzene	50.000	53.967	-7.9	100	0.00
79 T	2-Chlorotoluene	50.000	51.057	-2.1	100	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.534	-7.1	99	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.482	-5.0	100	0.00
82 T	4-Chlorotoluene	50.000	52.422	-4.8	98	0.00
83 T	tert-Butylbenzene	50.000	53.274	-6.5	100	0.00
84 T	1,2,4-Trimethylbenzene	50.000	52.990	-6.0	98	0.00
85 T	sec-Butylbenzene	50.000	53.903	-7.8	99	0.00
86 T	p-Isopropyltoluene	50.000	54.337	-8.7	101	0.00
87 T	1,3-Dichlorobenzene	50.000	50.521	-1.0	98	0.00
88 T	1,4-Dichlorobenzene	50.000	49.117	1.8	97	0.00
89 T	n-Butylbenzene	50.000	55.189	-10.4	99	0.00
90 T	Hexachloroethane	50.000	54.066	-8.1	102	0.00
91 T	1,2-Dichlorobenzene	50.000	49.938	0.1	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	53.226	-6.5	98	0.00
93 T	1,2,4-Trichlorobenzene	50.000	51.935	-3.9	101	0.00
94 T	Hexachlorobutadiene	50.000	49.961	0.1	98	0.00
95 T	Naphthalene	50.000	52.765	-5.5	97	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045532.D
Acq On : 01 Apr 2025 19:48
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX040225

Quant Time: Apr 02 03:14:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.396	-0.8	97	0.00

(#) = Out of Range

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG No.: Q1929

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.822	0.759		-7.66	20
1,1-Dichloroethene	0.588	0.557		-5.27	20
2-Butanone	0.451	0.469		3.99	20
Carbon Tetrachloride	0.441	0.442		0.23	20
Chloroform	1.180	1.306		10.68	20
Benzene	1.485	1.541		3.77	20
1,2-Dichloroethane	0.474	0.533		12.45	20
Trichloroethene	0.352	0.372		5.68	20
Tetrachloroethene	0.385	0.386		0.26	20
Chlorobenzene	1.116	1.173	0.3	5.11	20
1,2-Dichloroethane-d4	0.725	0.817		12.69	20
Dibromofluoromethane	0.232	0.264		13.79	20
Toluene-d8	1.240	1.280		3.23	20
4-Bromofluorobenzene	0.452	0.478		5.75	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	154484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	297307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	276417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126143	56.310	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.620%			
35) Dibromofluoromethane	8.165	113	78358	56.788	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.580%			
50) Toluene-d8	10.565	98	380448	51.589	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.180%			
62) 4-Bromofluorobenzene	12.847	95	142048	52.810	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.620%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	82797	45.212	ug/l	97
3) Chloromethane	2.359	50	124341	46.718	ug/l	97
4) Vinyl Chloride	2.512	62	117200	46.145	ug/l	99
5) Bromomethane	2.953	94	71282	62.395	ug/l	99
6) Chloroethane	3.118	64	80740	47.499	ug/l	99
7) Trichlorofluoromethane	3.495	101	134221	47.709	ug/l	98
8) Diethyl Ether	3.953	74	64966	52.896	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	83015	48.778	ug/l	99
10) Methyl Iodide	4.589	142	114063	60.961	ug/l	100
11) Tert butyl alcohol	5.518	59	108474	265.389	ug/l	99
12) 1,1-Dichloroethene	4.342	96	86114	47.361	ug/l	98
13) Acrolein	4.177	56	68891	368.613	ug/l	96
14) Allyl chloride	5.024	41	142017	43.937	ug/l	94
15) Acrylonitrile	5.718	53	270801	268.011	ug/l	100
16) Acetone	4.424	43	215081	278.344	ug/l	99
17) Carbon Disulfide	4.712	76	236748	43.485	ug/l	98
18) Methyl Acetate	5.018	43	128186	47.670	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	364510	54.536	ug/l	99
20) Methylene Chloride	5.271	84	112578	54.360	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	97661	51.375	ug/l	97
22) Diisopropyl ether	6.671	45	363854	51.747	ug/l	98
23) Vinyl Acetate	6.600	43	1330427	270.668	ug/l	99
24) 1,1-Dichloroethane	6.571	63	194515	52.430	ug/l	100
25) 2-Butanone	7.477	43	362574	260.025	ug/l	98
26) 2,2-Dichloropropane	7.488	77	165135	49.713	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	128100	54.294	ug/l	95
28) Bromochloromethane	7.812	49	82364	52.359	ug/l	93
29) Tetrahydrofuran	7.835	42	240446	257.870	ug/l	97
30) Chloroform	7.965	83	201773	55.364	ug/l	98
31) Cyclohexane	8.253	56	154302	42.503	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	161979	51.955	ug/l	98
36) 1,1-Dichloropropene	8.371	75	132456	48.061	ug/l	99
37) Ethyl Acetate	7.559	43	144768	49.894	ug/l	100
38) Carbon Tetrachloride	8.359	117	131483	50.096	ug/l	97
39) Methylcyclohexane	9.600	83	146265	44.650	ug/l	99
40) Benzene	8.600	78	458081	51.877	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	87486	52.024	ug/l	98
42) 1,2-Dichloroethane	8.665	62	158498	56.287	ug/l	99
43) Isopropyl Acetate	8.682	43	281615	54.566	ug/l	100
44) Trichloroethene	9.347	130	110489	52.792	ug/l	97
45) 1,2-Dichloropropane	9.618	63	113518	52.519	ug/l	100
46) Dibromomethane	9.706	93	80677	58.582	ug/l	97
47) Bromodichloromethane	9.882	83	166167	55.865	ug/l	98
48) Methyl methacrylate	9.677	41	126557	49.669	ug/l	96
49) 1,4-Dioxane	9.694	88	46836	1080.631	ug/l	96
51) 4-Methyl-2-Pentanone	10.441	43	783175	263.592	ug/l	98
52) Toluene	10.629	92	290954	52.807	ug/l	99
53) t-1,3-Dichloropropene	10.829	75	186288	56.106	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	192540	52.796	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	113496	57.253	ug/l	95
56) Ethyl methacrylate	10.871	69	196399	53.899	ug/l	98
57) 1,3-Dichloropropane	11.159	76	197019	56.016	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	412328	238.408	ug/l	98
59) 2-Hexanone	11.194	43	576127	261.423	ug/l	99
60) Dibromochloromethane	11.359	129	126605	58.161	ug/l	98
61) 1,2-Dibromoethane	11.465	107	117011	58.498	ug/l	100
64) Tetrachloroethene	11.100	164	106562	50.118	ug/l	99
65) Chlorobenzene	11.888	112	324322	52.576	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	110992	54.541	ug/l	99
67) Ethyl Benzene	11.959	91	552537	49.637	ug/l	99
68) m/p-Xylenes	12.070	106	426898	102.350	ug/l	98
69) o-Xylene	12.394	106	211945	51.383	ug/l	99
70) Styrene	12.406	104	368683	53.644	ug/l	99
71) Bromoform	12.576	173	86154	56.230	ug/l #	98
73) Isopropylbenzene	12.694	105	503533	45.987	ug/l	99
74) N-amyl acetate	12.488	43	248033	45.503	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	158899	50.472	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	152035m	48.132	ug/l	
77) Bromobenzene	12.976	156	128740	53.065	ug/l	93
78) n-propylbenzene	13.035	91	597398	46.301	ug/l	100
79) 2-Chlorotoluene	13.123	91	388583	48.130	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	426330	47.572	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	68858	52.354	ug/l	87
82) 4-Chlorotoluene	13.217	91	394754	49.221	ug/l	99
83) tert-Butylbenzene	13.435	119	353792	45.561	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	445744	48.864	ug/l	99
85) sec-Butylbenzene	13.612	105	493958	45.861	ug/l	100
86) p-Isopropyltoluene	13.723	119	425158	47.890	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	239188	52.446	ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	242338	52.755	ug/l	98
89) n-Butylbenzene	14.053	91	366963	46.633	ug/l	99
90) Hexachloroethane	14.329	117	69887	46.800	ug/l	97
91) 1,2-Dichlorobenzene	14.100	146	234928	53.131	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31129	49.038	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	113531	53.621	ug/l	99
94) Hexachlorobutadiene	15.494	225	36952	46.233	ug/l	100
95) Naphthalene	15.635	128	385090	51.308	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	107122	53.440	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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

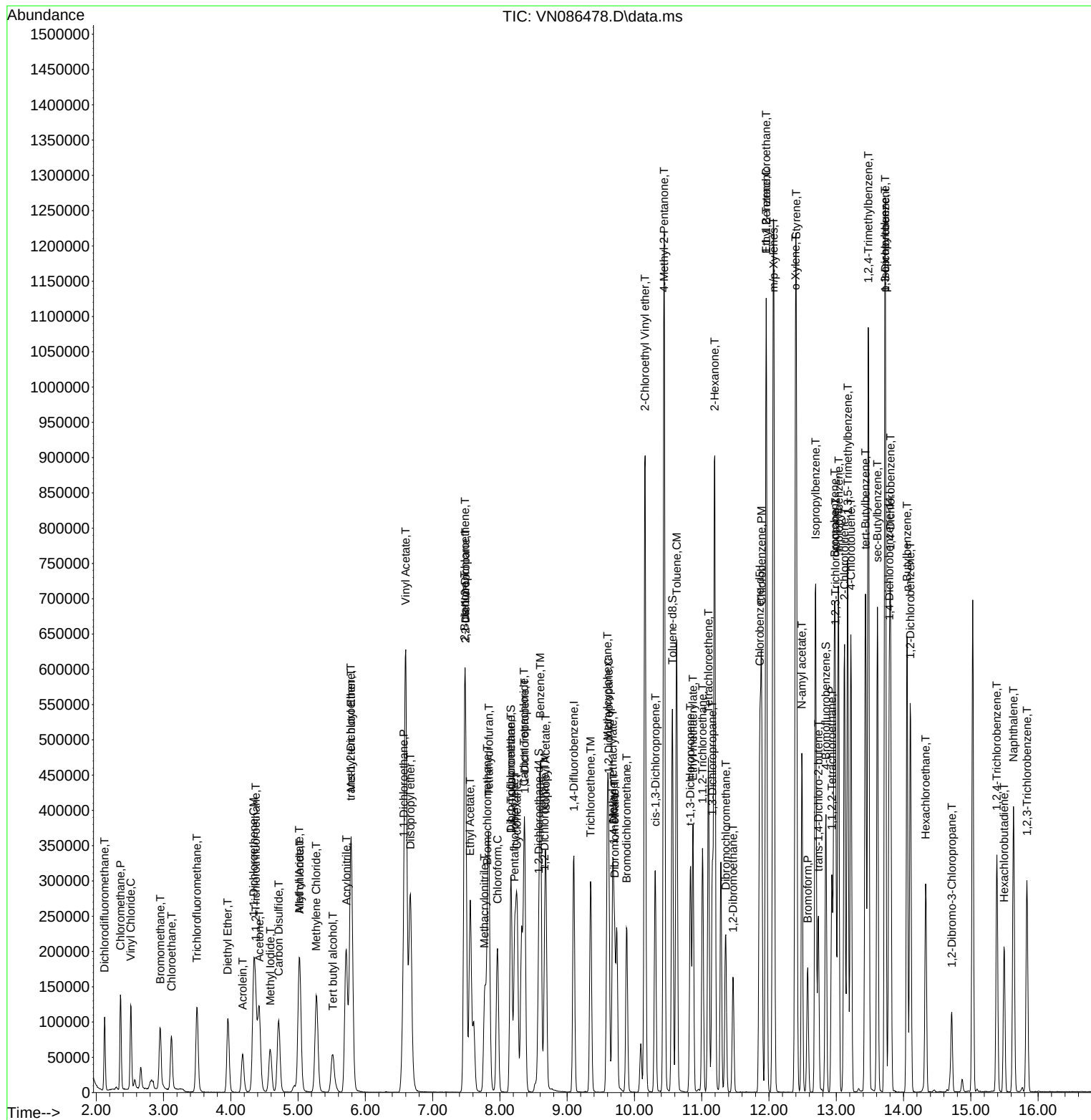
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\  
Data File : VN086478.D  
Acq On    : 05 May 2025  11:32  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	69	0.00
2 T	Dichlorodifluoromethane	0.593	0.536	9.6	63	0.00
3 P	Chloromethane	0.861	0.805	6.5	74	0.00
4 C	Vinyl Chloride	0.822	0.759	7.7#	66	0.00
5 T	Bromomethane	0.370	0.461	-24.6	90	0.00
6 T	Chloroethane	0.550	0.523	4.9	72	0.00
7 T	Trichlorofluoromethane	0.911	0.869	4.6	70	0.00
8 T	Diethyl Ether	0.398	0.421	-5.8	78	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.551	0.537	2.5	71	0.00
10 T	Methyl Iodide	0.606	0.738	-21.8	85	0.00
11 T	Tert butyl alcohol	0.132	0.140	-6.1	78	0.00
12 CM	1,1-Dichloroethene	0.588	0.557	5.3#	70	0.00
13 T	Acrolein	0.075	0.089	-18.7	101	0.00
14 T	Allyl chloride	1.046	0.919	12.1	68	0.00
15 T	Acrylonitrile	0.327	0.351	-7.3	76	0.00
16 T	Acetone	0.290	0.278	4.1	77	0.00
17 T	Carbon Disulfide	1.762	1.533	13.0	68	0.00
18 T	Methyl Acetate	0.870	0.830	4.6	73	0.00
19 T	Methyl tert-butyl Ether	2.163	2.360	-9.1	81	0.00
20 T	Methylene Chloride	0.670	0.729	-8.8	81	0.00
21 T	trans-1,2-Dichloroethene	0.615	0.632	-2.8	76	0.00
22 T	Diisopropyl ether	2.276	2.355	-3.5	77	0.00
23 T	Vinyl Acetate	1.591	1.722	-8.2	80	0.00
24 P	1,1-Dichloroethane	1.201	1.259	-4.8	77	0.00
25 T	2-Butanone	0.451	0.469	-4.0	76	0.00
26 T	2,2-Dichloropropane	1.075	1.069	0.6	75	0.00
27 T	cis-1,2-Dichloroethene	0.764	0.829	-8.5	80	0.00
28 T	Bromochloromethane	0.509	0.533	-4.7	74	0.00
29 T	Tetrahydrofuran	0.302	0.311	-3.0	77	0.00
30 C	Chloroform	1.180	1.306	-10.7#	82	0.00
31 T	Cyclohexane	1.175	0.999	15.0	65	0.00
32 T	1,1,1-Trichloroethane	1.009	1.049	-4.0	76	0.00
33 S	1,2-Dichloroethane-d4	0.725	0.817	-12.7	78	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
35 S	Dibromofluoromethane	0.232	0.264	-13.8	88	0.00
36 T	1,1-Dichloropropene	0.463	0.446	3.7	72	0.00
37 T	Ethyl Acetate	0.488	0.487	0.2	78	0.00
38 T	Carbon Tetrachloride	0.441	0.442	-0.2	75	0.00
39 T	Methylcyclohexane	0.551	0.492	10.7	67	0.00
40 TM	Benzene	1.485	1.541	-3.8	79	0.00
41 T	Methacrylonitrile	0.283	0.294	-3.9	80	0.00
42 TM	1,2-Dichloroethane	0.474	0.533	-12.4	86	0.00
43 T	Isopropyl Acetate	1.177	0.947	19.5	79	0.00
44 TM	Trichloroethene	0.352	0.372	-5.7	79	0.00
45 C	1,2-Dichloropropane	0.364	0.382	-4.9#	79	0.00
46 T	Dibromomethane	0.232	0.271	-16.8	86	0.00
47 T	Bromodichloromethane	0.500	0.559	-11.8	84	0.00
48 T	Methyl methacrylate	0.429	0.426	0.7	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	0.007	0.008	-14.3	87	0.00
50 S	Toluene-d8	1.240	1.280	-3.2	73	0.00
51 T	4-Methyl-2-Pentanone	0.500	0.527	-5.4	78	0.00
52 CM	Toluene	0.927	0.979	-5.6#	79	0.00
53 T	t-1,3-Dichloropropene	0.558	0.627	-12.4	82	0.00
54 T	cis-1,3-Dichloropropene	0.613	0.648	-5.7	81	0.00
55 T	1,1,2-Trichloroethane	0.333	0.382	-14.7	86	0.00
56 T	Ethyl methacrylate	0.613	0.661	-7.8	82	0.00
57 T	1,3-Dichloropropane	0.592	0.663	-12.0	84	0.00
58 T	2-Chloroethyl Vinyl ether	0.291	0.277	4.8	69	0.00
59 T	2-Hexanone	0.371	0.388	-4.6	78	0.00
60 T	Dibromochloromethane	0.366	0.426	-16.4	87	0.00
61 T	1,2-Dibromoethane	0.336	0.394	-17.3	87	0.00
62 S	4-Bromofluorobenzene	0.452	0.478	-5.8	75	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
64 T	Tetrachloroethene	0.385	0.386	-0.3	78	0.00
65 PM	Chlorobenzene	1.116	1.173	-5.1	84	0.00
66 T	1,1,1,2-Tetrachloroethane	0.368	0.402	-9.2	87	0.00
67 C	Ethyl Benzene	2.014	1.999	0.7#	78	0.00
68 T	m/p-Xylenes	0.754	0.772	-2.4	80	0.00
69 T	o-Xylene	0.746	0.767	-2.8	81	0.00
70 T	Styrene	1.243	1.334	-7.3	82	0.00
71 P	Bromoform	0.277	0.312	-12.6	90	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73 T	Isopropylbenzene	4.090	3.762	8.0	78	0.00
74 T	N-amyl acetate	2.036	1.853	9.0	80	0.00
75 P	1,1,2,2-Tetrachloroethane	1.176	1.187	-0.9	88	0.00
76 T	1,2,3-Trichloropropane	1.180	1.136	3.7	84	0.00
77 T	Bromobenzene	0.906	0.962	-6.2	87	0.00
78 T	n-propylbenzene	4.820	4.463	7.4	77	0.00
79 T	2-Chlorotoluene	3.016	2.903	3.7	81	0.00
80 T	1,3,5-Trimethylbenzene	3.348	3.185	4.9	80	0.00
81 T	trans-1,4-Dichloro-2-butene	0.491	0.514	-4.7	86	0.00
82 T	4-Chlorotoluene	2.996	2.949	1.6	81	0.00
83 T	tert-Butylbenzene	2.901	2.643	8.9	78	0.00
84 T	1,2,4-Trimethylbenzene	3.408	3.330	2.3	81	0.00
85 T	sec-Butylbenzene	4.023	3.690	8.3	76	0.00
86 T	p-Isopropyltoluene	3.316	3.176	4.2	78	0.00
87 T	1,3-Dichlorobenzene	1.704	1.787	-4.9	86	0.00
88 T	1,4-Dichlorobenzene	1.716	1.810	-5.5	86	0.00
89 T	n-Butylbenzene	2.939	2.742	6.7	74	0.00
90 T	Hexachloroethane	0.558	0.522	6.5	78	0.00
91 T	1,2-Dichlorobenzene	1.652	1.755	-6.2	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.237	0.233	1.7	81	0.00
93 T	1,2,4-Trichlorobenzene	0.791	0.848	-7.2	85	0.00
94 T	Hexachlorobutadiene	0.299	0.276	7.7	76	0.00
95 T	Naphthalene	2.804	2.877	-2.6	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.749	0.800	-6.8	87	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	69	0.00
2 T	Dichlorodifluoromethane	50.000	45.212	9.6	63	0.00
3 P	Chloromethane	50.000	46.718	6.6	74	0.00
4 C	Vinyl Chloride	50.000	46.145	7.7#	66	0.00
5 T	Bromomethane	50.000	62.395	-24.8	90	0.00
6 T	Chloroethane	50.000	47.499	5.0	72	0.00
7 T	Trichlorofluoromethane	50.000	47.709	4.6	70	0.00
8 T	Diethyl Ether	50.000	52.896	-5.8	78	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.778	2.4	71	0.00
10 T	Methyl Iodide	50.000	60.961	-21.9	85	0.00
11 T	Tert butyl alcohol	250.000	265.389	-6.2	78	0.00
12 CM	1,1-Dichloroethene	50.000	47.361	5.3#	70	0.00
13 T	Acrolein	250.000	368.613	-47.4#	101	0.00
14 T	Allyl chloride	50.000	43.937	12.1	68	0.00
15 T	Acrylonitrile	250.000	268.011	-7.2	76	0.00
16 T	Acetone	250.000	278.344	-11.3	77	0.00
17 T	Carbon Disulfide	50.000	43.485	13.0	68	0.00
18 T	Methyl Acetate	50.000	47.670	4.7	73	0.00
19 T	Methyl tert-butyl Ether	50.000	54.536	-9.1	81	0.00
20 T	Methylene Chloride	50.000	54.360	-8.7	81	0.00
21 T	trans-1,2-Dichloroethene	50.000	51.375	-2.8	76	0.00
22 T	Diisopropyl ether	50.000	51.747	-3.5	77	0.00
23 T	Vinyl Acetate	250.000	270.668	-8.3	80	0.00
24 P	1,1-Dichloroethane	50.000	52.430	-4.9	77	0.00
25 T	2-Butanone	250.000	260.025	-4.0	76	0.00
26 T	2,2-Dichloropropane	50.000	49.713	0.6	75	0.00
27 T	cis-1,2-Dichloroethene	50.000	54.294	-8.6	80	0.00
28 T	Bromochloromethane	50.000	52.359	-4.7	74	0.00
29 T	Tetrahydrofuran	250.000	257.870	-3.1	77	0.00
30 C	Chloroform	50.000	55.364	-10.7#	82	0.00
31 T	Cyclohexane	50.000	42.503	15.0	65	0.00
32 T	1,1,1-Trichloroethane	50.000	51.955	-3.9	76	0.00
33 S	1,2-Dichloroethane-d4	50.000	56.310	-12.6	78	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	72	0.00
35 S	Dibromofluoromethane	50.000	56.788	-13.6	88	0.00
36 T	1,1-Dichloropropene	50.000	48.061	3.9	72	0.00
37 T	Ethyl Acetate	50.000	49.894	0.2	78	0.00
38 T	Carbon Tetrachloride	50.000	50.096	-0.2	75	0.00
39 T	Methylcyclohexane	50.000	44.650	10.7	67	0.00
40 TM	Benzene	50.000	51.877	-3.8	79	0.00
41 T	Methacrylonitrile	50.000	52.024	-4.0	80	0.00
42 TM	1,2-Dichloroethane	50.000	56.287	-12.6	86	0.00
43 T	Isopropyl Acetate	50.000	54.566	-9.1	79	0.00
44 TM	Trichloroethene	50.000	52.792	-5.6	79	0.00
45 C	1,2-Dichloropropane	50.000	52.519	-5.0#	79	0.00
46 T	Dibromomethane	50.000	58.582	-17.2	86	0.00
47 T	Bromodichloromethane	50.000	55.865	-11.7	84	0.00
48 T	Methyl methacrylate	50.000	49.669	0.7	77	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086478.D
 Acq On : 05 May 2025 11:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: May 06 01:43:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 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	1080.631	-8.1	87	0.00
50 S	Toluene-d8	50.000	51.589	-3.2	73	0.00
51 T	4-Methyl-2-Pentanone	250.000	263.592	-5.4	78	0.00
52 CM	Toluene	50.000	52.807	-5.6#	79	0.00
53 T	t-1,3-Dichloropropene	50.000	56.106	-12.2	82	0.00
54 T	cis-1,3-Dichloropropene	50.000	52.796	-5.6	81	0.00
55 T	1,1,2-Trichloroethane	50.000	57.253	-14.5	86	0.00
56 T	Ethyl methacrylate	50.000	53.899	-7.8	82	0.00
57 T	1,3-Dichloropropane	50.000	56.016	-12.0	84	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	238.408	4.6	69	0.00
59 T	2-Hexanone	250.000	261.423	-4.6	78	0.00
60 T	Dibromochloromethane	50.000	58.161	-16.3	87	0.00
61 T	1,2-Dibromoethane	50.000	58.498	-17.0	87	0.00
62 S	4-Bromofluorobenzene	50.000	52.810	-5.6	75	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	75	0.00
64 T	Tetrachloroethene	50.000	50.118	-0.2	78	0.00
65 PM	Chlorobenzene	50.000	52.576	-5.2	84	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	54.541	-9.1	87	0.00
67 C	Ethyl Benzene	50.000	49.637	0.7#	78	0.00
68 T	m/p-Xylenes	100.000	102.350	-2.3	80	0.00
69 T	o-Xylene	50.000	51.383	-2.8	81	0.00
70 T	Styrene	50.000	53.644	-7.3	82	0.00
71 P	Bromoform	50.000	56.230	-12.5	90	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73 T	Isopropylbenzene	50.000	45.987	8.0	78	0.00
74 T	N-amyl acetate	50.000	45.503	9.0	80	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.472	-0.9	88	0.00
76 T	1,2,3-Trichloropropane	50.000	48.132	3.7	84	0.00
77 T	Bromobenzene	50.000	53.065	-6.1	87	0.00
78 T	n-propylbenzene	50.000	46.301	7.4	77	0.00
79 T	2-Chlorotoluene	50.000	48.130	3.7	81	0.00
80 T	1,3,5-Trimethylbenzene	50.000	47.572	4.9	80	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	52.354	-4.7	86	0.00
82 T	4-Chlorotoluene	50.000	49.221	1.6	81	0.00
83 T	tert-Butylbenzene	50.000	45.561	8.9	78	0.00
84 T	1,2,4-Trimethylbenzene	50.000	48.864	2.3	81	0.00
85 T	sec-Butylbenzene	50.000	45.861	8.3	76	0.00
86 T	p-Isopropyltoluene	50.000	47.890	4.2	78	0.00
87 T	1,3-Dichlorobenzene	50.000	52.446	-4.9	86	0.00
88 T	1,4-Dichlorobenzene	50.000	52.755	-5.5	86	0.00
89 T	n-Butylbenzene	50.000	46.633	6.7	74	0.00
90 T	Hexachloroethane	50.000	46.800	6.4	78	0.00
91 T	1,2-Dichlorobenzene	50.000	53.131	-6.3	87	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.038	1.9	81	0.00
93 T	1,2,4-Trichlorobenzene	50.000	53.621	-7.2	85	0.00
94 T	Hexachlorobutadiene	50.000	46.233	7.5	76	0.00
95 T	Naphthalene	50.000	51.308	-2.6	83	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086478.D
Acq On : 05 May 2025 11:32
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: May 06 01:43:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.440	-6.9	87	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q1929 SAS No.: Q1929 SDG No.: Q1929

Instrument ID: MSVOA_X Calibration Date/Time: 05/02/2025 09:26

Lab File ID: VX046013.D Init. Calib. Date(s): 04/01/2025 04/01/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:06 19:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.703	0.648		-7.82	20
1,1-Dichloroethene	0.600	0.589		-1.83	20
2-Butanone	0.550	0.591		7.45	20
Carbon Tetrachloride	0.518	0.593		14.48	20
Chloroform	1.306	1.370		4.9	20
Benzene	1.463	1.528		4.44	20
1,2-Dichloroethane	0.604	0.665		10.1	20
Trichloroethene	0.348	0.368		5.75	20
Tetrachloroethene	0.353	0.396		12.18	20
Chlorobenzene	1.068	1.172	0.3	9.74	20
1,2-Dichloroethane-d4	0.914	0.908		-0.66	20
Dibromofluoromethane	0.355	0.375		5.63	20
Toluene-d8	1.238	1.201		-2.99	20
4-Bromofluorobenzene	0.451	0.502		11.31	20

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046013.D
 Acq On : 02 May 2025 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 13:00:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	88170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	150204	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80096	49.675	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.360%		
35) Dibromofluoromethane	5.373	113	56386	52.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.820%		
50) Toluene-d8	8.647	98	180362	48.488	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.980%		
62) 4-Bromofluorobenzene	11.079	95	75473	55.704	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	111.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	60778	46.093	ug/l	97
3) Chloromethane	1.307	50	62239	45.945	ug/l	100
4) Vinyl Chloride	1.374	62	57112	46.069	ug/l	100
5) Bromomethane	1.593	94	27349	46.527	ug/l	98
6) Chloroethane	1.666	64	33407	50.792	ug/l	98
7) Trichlorofluoromethane	1.874	101	95350	51.579	ug/l	98
8) Diethyl Ether	2.130	74	31206	50.280	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	58844	54.322	ug/l	97
10) Methyl Iodide	2.441	142	68859	50.963	ug/l	98
11) Tert butyl alcohol	2.977	59	55495	256.099	ug/l	99
12) 1,1-Dichloroethene	2.306	96	51972	49.101	ug/l	98
13) Acrolein	2.233	56	61789	207.066	ug/l	100
14) Allyl chloride	2.654	41	105708	52.634	ug/l	100
15) Acrylonitrile	3.062	53	177096	258.903	ug/l	99
16) Acetone	2.380	43	187411	283.057	ug/l	98
17) Carbon Disulfide	2.502	76	111650	42.708	ug/l	98
18) Methyl Acetate	2.703	43	101484	66.574	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	198692	53.661	ug/l	99
20) Methylene Chloride	2.782	84	63418	51.163	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	53929	49.871	ug/l	98
22) Diisopropyl ether	3.757	45	210949	53.322	ug/l	98
23) Vinyl Acetate	3.715	43	891017	260.678	ug/l	99
24) 1,1-Dichloroethane	3.605	63	115524	51.634	ug/l	99
25) 2-Butanone	4.550	43	260536	268.823	ug/l	99
26) 2,2-Dichloropropane	4.465	77	91460	63.271	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	67364	51.132	ug/l	98
28) Bromochloromethane	4.891	49	52421	48.485	ug/l	99
29) Tetrahydrofuran	5.001	42	159133	253.256	ug/l	99
30) Chloroform	5.080	83	120785	52.466	ug/l	95
31) Cyclohexane	5.458	56	97481	49.284	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103665	53.216	ug/l	98
36) 1,1-Dichloropropene	5.678	75	76624	53.251	ug/l	98
37) Ethyl Acetate	4.708	43	94033	51.857	ug/l	99
38) Carbon Tetrachloride	5.666	117	89136	57.318	ug/l	99
39) Methylcyclohexane	7.373	83	95455	54.119	ug/l	97
40) Benzene	6.031	78	229520	52.228	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046013.D
 Acq On : 02 May 2025 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/02/2025
 Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 13:00:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	55854	58.378	ug/l	98
42) 1,2-Dichloroethane	6.080	62	99897	55.038	ug/l	99
43) Isopropyl Acetate	6.336	43	152339	55.430	ug/l	100
44) Trichloroethene	7.117	130	55297	52.940	ug/l	96
45) 1,2-Dichloropropane	7.421	63	59078	53.880	ug/l	94
46) Dibromomethane	7.574	93	45867	54.493	ug/l	98
47) Bromodichloromethane	7.818	83	94830	56.415	ug/l	98
48) Methyl methacrylate	7.690	41	80247	56.551	ug/l	99
49) 1,4-Dioxane	7.659	88	27278	1062.490	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	509267	279.523	ug/l	100
52) Toluene	8.714	92	140479	52.828	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	85296	52.640	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	92674	58.669	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	57767	54.516	ug/l	98
56) Ethyl methacrylate	9.110	69	96287	58.715	ug/l	99
57) 1,3-Dichloropropane	9.305	76	100671	54.558	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	242306	292.081	ug/l	100
59) 2-Hexanone	9.427	43	375872	278.594	ug/l	100
60) Dibromochloromethane	9.519	129	66562	57.619	ug/l	100
61) 1,2-Dibromoethane	9.604	107	59620	55.581	ug/l	100
64) Tetrachloroethene	9.269	164	52160	56.056	ug/l	97
65) Chlorobenzene	10.073	112	154514	54.866	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	55301	56.561	ug/l	98
67) Ethyl Benzene	10.189	91	284404	56.387	ug/l	99
68) m/p-Xylenes	10.299	106	204868	111.677	ug/l	99
69) o-Xylene	10.640	106	102319	56.619	ug/l	100
70) Styrene	10.653	104	173217	58.075	ug/l	99
71) Bromoform	10.799	173	43677	59.828	ug/l #	99
73) Isopropylbenzene	10.957	105	274941	53.704	ug/l	99
74) N-amyl acetate	10.842	43	130414	53.253	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	89012	49.494	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	78788m	50.537	ug/l	
77) Bromobenzene	11.195	156	62004	52.417	ug/l	99
78) n-propylbenzene	11.299	91	324182	54.975	ug/l	100
79) 2-Chlorotoluene	11.360	91	199253	52.854	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	231731	54.738	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	25272	55.016	ug/l	98
82) 4-Chlorotoluene	11.451	91	228256	54.305	ug/l	99
83) tert-Butylbenzene	11.713	119	227132	54.192	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	235077	55.325	ug/l	99
85) sec-Butylbenzene	11.890	105	288921	56.125	ug/l	99
86) p-Isopropyltoluene	12.006	119	241820	56.978	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	115417	53.602	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	113949	52.200	ug/l	99
89) n-Butylbenzene	12.329	91	218737	59.435	ug/l	100
90) Hexachloroethane	12.536	117	42340	58.049	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	113389	52.967	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20749	55.166	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	67859	56.947	ug/l	99
94) Hexachlorobutadiene	13.725	225	28993	56.463	ug/l	98
95) Naphthalene	13.774	128	241248	54.403	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	69807	55.945	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046013.D
Acq On : 02 May 2025 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/02/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 13:00:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

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

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

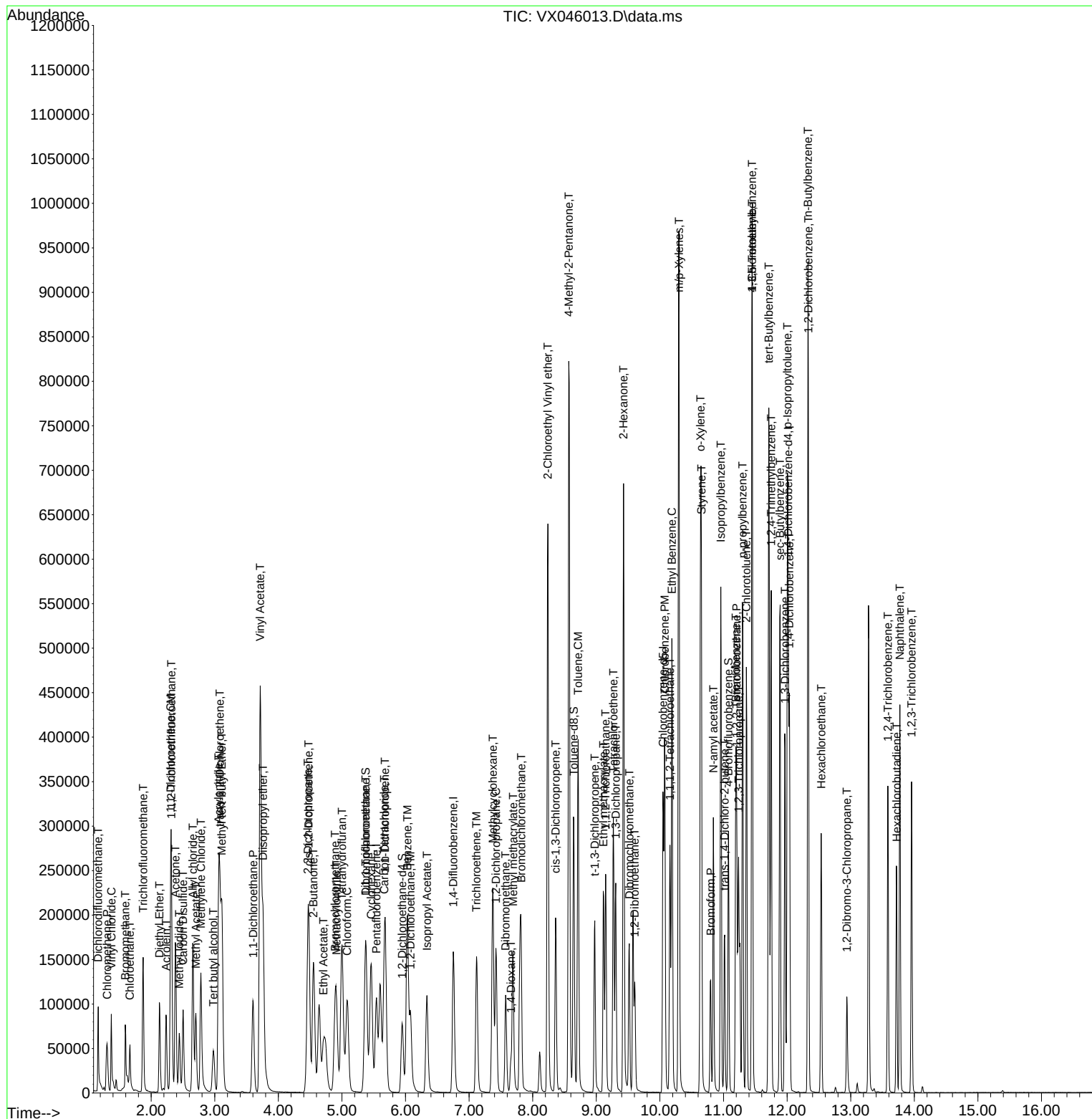
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046013.D
Acq On    : 02 May 2025  09:26
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 05/02/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 13:00:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046013.D
 Acq On : 02 May 2025 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 02 13:00:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 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	92	0.00
2 T	Dichlorodifluoromethane	0.748	0.689	7.9	77	0.00
3 P	Chloromethane	0.768	0.706	8.1	83	0.00
4 C	Vinyl Chloride	0.703	0.648	7.8#	83	0.00
5 T	Bromomethane	0.333	0.310	6.9	87	0.00
6 T	Chloroethane	0.373	0.379	-1.6	88	0.00
7 T	Trichlorofluoromethane	1.048	1.081	-3.1	92	0.00
8 T	Diethyl Ether	0.352	0.354	-0.6	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.614	0.667	-8.6	99	0.00
10 T	Methyl Iodide	0.766	0.781	-2.0	90	0.00
11 T	Tert butyl alcohol	0.123	0.126	-2.4	92	0.00
12 CM	1,1-Dichloroethene	0.600	0.589	1.8#	90	0.00
13 T	Acrolein	0.169	0.140	17.2	77	0.00
14 T	Allyl chloride	1.139	1.199	-5.3	94	0.00
15 T	Acrylonitrile	0.388	0.402	-3.6	91	0.00
16 T	Acetone	0.375	0.425	-13.3	104	0.00
17 T	Carbon Disulfide	1.483	1.266	14.6	75	0.00
18 T	Methyl Acetate	0.864	1.151	-33.2#	124	0.00
19 T	Methyl tert-butyl Ether	2.100	2.254	-7.3	98	0.00
20 T	Methylene Chloride	0.703	0.719	-2.3	93	0.00
21 T	trans-1,2-Dichloroethene	0.613	0.612	0.2	90	0.00
22 T	Diisopropyl ether	2.243	2.393	-6.7	96	0.00
23 T	Vinyl Acetate	1.938	2.021	-4.3	89	0.00
24 P	1,1-Dichloroethane	1.269	1.310	-3.2	95	0.00
25 T	2-Butanone	0.550	0.591	-7.5	93	0.00
26 T	2,2-Dichloropropane	0.820	1.037	-26.5#	113	0.00
27 T	cis-1,2-Dichloroethene	0.747	0.764	-2.3	94	0.00
28 T	Bromochloromethane	0.613	0.595	2.9	92	0.00
29 T	Tetrahydrofuran	0.356	0.361	-1.4	90	0.00
30 C	Chloroform	1.306	1.370	-4.9#	96	0.00
31 T	Cyclohexane	1.122	1.106	1.4	91	0.00
32 T	1,1,1-Trichloroethane	1.105	1.176	-6.4	98	0.00
33 S	1,2-Dichloroethane-d4	0.914	0.908	0.7	96	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	89	0.00
35 S	Dibromofluoromethane	0.355	0.375	-5.6	97	0.00
36 T	1,1-Dichloropropene	0.479	0.510	-6.5	94	0.00
37 T	Ethyl Acetate	0.604	0.626	-3.6	90	0.00
38 T	Carbon Tetrachloride	0.518	0.593	-14.5	99	0.00
39 T	Methylcyclohexane	0.587	0.636	-8.3	91	0.00
40 TM	Benzene	1.463	1.528	-4.4	92	0.00
41 T	Methacrylonitrile	0.318	0.372	-17.0	95	0.00
42 TM	1,2-Dichloroethane	0.604	0.665	-10.1	96	0.00
43 T	Isopropyl Acetate	0.915	1.014	-10.8	93	0.00
44 TM	Trichloroethene	0.348	0.368	-5.7	94	0.00
45 C	1,2-Dichloropropane	0.365	0.393	-7.7#	93	0.00
46 T	Dibromomethane	0.280	0.305	-8.9	93	0.00
47 T	Bromodichloromethane	0.560	0.631	-12.7	99	0.00
48 T	Methyl methacrylate	0.472	0.534	-13.1	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046013.D
 Acq On : 02 May 2025 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 02 13:00:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 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	0.009	0.009	0.0	87	0.00
50 S	Toluene-d8	1.238	1.201	3.0	88	0.00
51 T	4-Methyl-2-Pentanone	0.606	0.678	-11.9	91	0.00
52 CM	Toluene	0.885	0.935	-5.6#	92	0.00
53 T	t-1,3-Dichloropropene	0.467	0.568	-21.6	100	0.00
54 T	cis-1,3-Dichloropropene	0.526	0.617	-17.3	97	0.00
55 T	1,1,2-Trichloroethane	0.353	0.385	-9.1	96	0.00
56 T	Ethyl methacrylate	0.546	0.641	-17.4	95	0.00
57 T	1,3-Dichloropropane	0.614	0.670	-9.1	94	0.00
58 T	2-Chloroethyl Vinyl ether	0.276	0.323	-17.0	97	0.00
59 T	2-Hexanone	0.449	0.500	-11.4	91	0.00
60 T	Dibromochloromethane	0.385	0.443	-15.1	96	0.00
61 T	1,2-Dibromoethane	0.357	0.397	-11.2	95	0.00
62 S	4-Bromofluorobenzene	0.451	0.502	-11.3	99	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
64 T	Tetrachloroethene	0.353	0.396	-12.2	100	0.00
65 PM	Chlorobenzene	1.068	1.172	-9.7	95	0.00
66 T	1,1,1,2-Tetrachloroethane	0.371	0.420	-13.2	99	0.00
67 C	Ethyl Benzene	1.914	2.158	-12.7#	94	0.00
68 T	m/p-Xylenes	0.696	0.777	-11.6	94	0.00
69 T	o-Xylene	0.686	0.776	-13.1	95	0.00
70 T	Styrene	1.132	1.314	-16.1	95	0.00
71 P	Bromoform	0.277	0.331	-19.5	98	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73 T	Isopropylbenzene	4.005	4.302	-7.4	96	0.00
74 T	N-amyl acetate	1.916	2.040	-6.5	92	0.00
75 P	1,1,2,2-Tetrachloroethane	1.407	1.393	1.0	94	0.00
76 T	1,2,3-Trichloropropane	1.220	1.233	-1.1	93	0.00
77 T	Bromobenzene	0.925	0.970	-4.9	96	0.00
78 T	n-propylbenzene	4.613	5.072	-10.0	96	0.00
79 T	2-Chlorotoluene	2.949	3.118	-5.7	98	0.00
80 T	1,3,5-Trimethylbenzene	3.312	3.626	-9.5	96	0.00
81 T	trans-1,4-Dichloro-2-butene	0.359	0.395	-10.0	99	0.00
82 T	4-Chlorotoluene	3.288	3.571	-8.6	96	0.00
83 T	tert-Butylbenzene	3.279	3.554	-8.4	96	0.00
84 T	1,2,4-Trimethylbenzene	3.324	3.678	-10.6	97	0.00
85 T	sec-Butylbenzene	4.027	4.520	-12.2	98	0.00
86 T	p-Isopropyltoluene	3.320	3.784	-14.0	100	0.00
87 T	1,3-Dichlorobenzene	1.684	1.806	-7.2	99	0.00
88 T	1,4-Dichlorobenzene	1.708	1.783	-4.4	97	0.00
89 T	n-Butylbenzene	2.879	3.422	-18.9	101	0.00
90 T	Hexachloroethane	0.571	0.662	-15.9	103	0.00
91 T	1,2-Dichlorobenzene	1.675	1.774	-5.9	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.294	0.325	-10.5	96	0.00
93 T	1,2,4-Trichlorobenzene	0.932	1.062	-13.9	104	0.00
94 T	Hexachlorobutadiene	0.402	0.454	-12.9	104	0.00
95 T	Naphthalene	3.469	3.775	-8.8	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046013.D
Acq On : 02 May 2025 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 02 13:00:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.976	1.092	-11.9	101	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046013.D
 Acq On : 02 May 2025 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 02 13:00:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 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	92	0.00
2 T	Dichlorodifluoromethane	50.000	46.093	7.8	77	0.00
3 P	Chloromethane	50.000	45.945	8.1	83	0.00
4 C	Vinyl Chloride	50.000	46.069	7.9#	83	0.00
5 T	Bromomethane	50.000	46.527	6.9	87	0.00
6 T	Chloroethane	50.000	50.792	-1.6	88	0.00
7 T	Trichlorofluoromethane	50.000	51.579	-3.2	92	0.00
8 T	Diethyl Ether	50.000	50.280	-0.6	92	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	54.322	-8.6	99	0.00
10 T	Methyl Iodide	50.000	50.963	-1.9	90	0.00
11 T	Tert butyl alcohol	250.000	256.099	-2.4	92	0.00
12 CM	1,1-Dichloroethene	50.000	49.101	1.8#	90	0.00
13 T	Acrolein	250.000	207.066	17.2	77	0.00
14 T	Allyl chloride	50.000	52.634	-5.3	94	0.00
15 T	Acrylonitrile	250.000	258.903	-3.6	91	0.00
16 T	Acetone	250.000	283.057	-13.2	104	0.00
17 T	Carbon Disulfide	50.000	42.708	14.6	75	0.00
18 T	Methyl Acetate	50.000	66.574	-33.1#	124	0.00
19 T	Methyl tert-butyl Ether	50.000	53.661	-7.3	98	0.00
20 T	Methylene Chloride	50.000	51.163	-2.3	93	0.00
21 T	trans-1,2-Dichloroethene	50.000	49.871	0.3	90	0.00
22 T	Diisopropyl ether	50.000	53.322	-6.6	96	0.00
23 T	Vinyl Acetate	250.000	260.678	-4.3	89	0.00
24 P	1,1-Dichloroethane	50.000	51.634	-3.3	95	0.00
25 T	2-Butanone	250.000	268.823	-7.5	93	0.00
26 T	2,2-Dichloropropane	50.000	63.271	-26.5#	113	0.00
27 T	cis-1,2-Dichloroethene	50.000	51.132	-2.3	94	0.00
28 T	Bromochloromethane	50.000	48.485	3.0	92	0.00
29 T	Tetrahydrofuran	250.000	253.256	-1.3	90	0.00
30 C	Chloroform	50.000	52.466	-4.9#	96	0.00
31 T	Cyclohexane	50.000	49.284	1.4	91	0.00
32 T	1,1,1-Trichloroethane	50.000	53.216	-6.4	98	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.675	0.7	96	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	89	0.00
35 S	Dibromofluoromethane	50.000	52.910	-5.8	97	0.00
36 T	1,1-Dichloropropene	50.000	53.251	-6.5	94	0.00
37 T	Ethyl Acetate	50.000	51.857	-3.7	90	0.00
38 T	Carbon Tetrachloride	50.000	57.318	-14.6	99	0.00
39 T	Methylcyclohexane	50.000	54.119	-8.2	91	0.00
40 TM	Benzene	50.000	52.228	-4.5	92	0.00
41 T	Methacrylonitrile	50.000	58.378	-16.8	95	0.00
42 TM	1,2-Dichloroethane	50.000	55.038	-10.1	96	0.00
43 T	Isopropyl Acetate	50.000	55.430	-10.9	93	0.00
44 TM	Trichloroethene	50.000	52.940	-5.9	94	0.00
45 C	1,2-Dichloropropane	50.000	53.880	-7.8#	93	0.00
46 T	Dibromomethane	50.000	54.493	-9.0	93	0.00
47 T	Bromodichloromethane	50.000	56.415	-12.8	99	0.00
48 T	Methyl methacrylate	50.000	56.551	-13.1	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046013.D
 Acq On : 02 May 2025 09:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 LabSampleId :
 VSTDCCC050

Quant Time: May 02 13:00:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49 T	1,4-Dioxane	1000.000	1062.490	-6.2	87	0.00
50 S	Toluene-d8	50.000	48.488	3.0	88	0.00
51 T	4-Methyl-2-Pentanone	250.000	279.523	-11.8	91	0.00
52 CM	Toluene	50.000	52.828	-5.7#	92	0.00
53 T	t-1,3-Dichloropropene	50.000	52.640	-5.3	100	0.00
54 T	cis-1,3-Dichloropropene	50.000	58.669	-17.3	97	0.00
55 T	1,1,2-Trichloroethane	50.000	54.516	-9.0	96	0.00
56 T	Ethyl methacrylate	50.000	58.715	-17.4	95	0.00
57 T	1,3-Dichloropropane	50.000	54.558	-9.1	94	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	292.081	-16.8	97	0.00
59 T	2-Hexanone	250.000	278.594	-11.4	91	0.00
60 T	Dibromochloromethane	50.000	57.619	-15.2	96	0.00
61 T	1,2-Dibromoethane	50.000	55.581	-11.2	95	0.00
62 S	4-Bromofluorobenzene	50.000	55.704	-11.4	99	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	88	0.00
64 T	Tetrachloroethene	50.000	56.056	-12.1	100	0.00
65 PM	Chlorobenzene	50.000	54.866	-9.7	95	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	56.561	-13.1	99	0.00
67 C	Ethyl Benzene	50.000	56.387	-12.8#	94	0.00
68 T	m/p-Xylenes	100.000	111.677	-11.7	94	0.00
69 T	o-Xylene	50.000	56.619	-13.2	95	0.00
70 T	Styrene	50.000	58.075	-16.2	95	0.00
71 P	Bromoform	50.000	59.828	-19.7	98	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73 T	Isopropylbenzene	50.000	53.704	-7.4	96	0.00
74 T	N-ethyl acetate	50.000	53.253	-6.5	92	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	49.494	1.0	94	0.00
76 T	1,2,3-Trichloropropane	50.000	50.537	-1.1	93	0.00
77 T	Bromobenzene	50.000	52.417	-4.8	96	0.00
78 T	n-propylbenzene	50.000	54.975	-10.0	96	0.00
79 T	2-Chlorotoluene	50.000	52.854	-5.7	98	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.738	-9.5	96	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	55.016	-10.0	99	0.00
82 T	4-Chlorotoluene	50.000	54.305	-8.6	96	0.00
83 T	tert-Butylbenzene	50.000	54.192	-8.4	96	0.00
84 T	1,2,4-Trimethylbenzene	50.000	55.325	-10.7	97	0.00
85 T	sec-Butylbenzene	50.000	56.125	-12.3	98	0.00
86 T	p-Isopropyltoluene	50.000	56.978	-14.0	100	0.00
87 T	1,3-Dichlorobenzene	50.000	53.602	-7.2	99	0.00
88 T	1,4-Dichlorobenzene	50.000	52.200	-4.4	97	0.00
89 T	n-Butylbenzene	50.000	59.435	-18.9	101	0.00
90 T	Hexachloroethane	50.000	58.049	-16.1	103	0.00
91 T	1,2-Dichlorobenzene	50.000	52.967	-5.9	98	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	55.166	-10.3	96	0.00
93 T	1,2,4-Trichlorobenzene	50.000	56.947	-13.9	104	0.00
94 T	Hexachlorobutadiene	50.000	56.463	-12.9	104	0.00
95 T	Naphthalene	50.000	54.403	-8.8	94	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046013.D
Acq On : 02 May 2025 09:26
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: May 02 13:00:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	55.945	-11.9	101	0.00

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



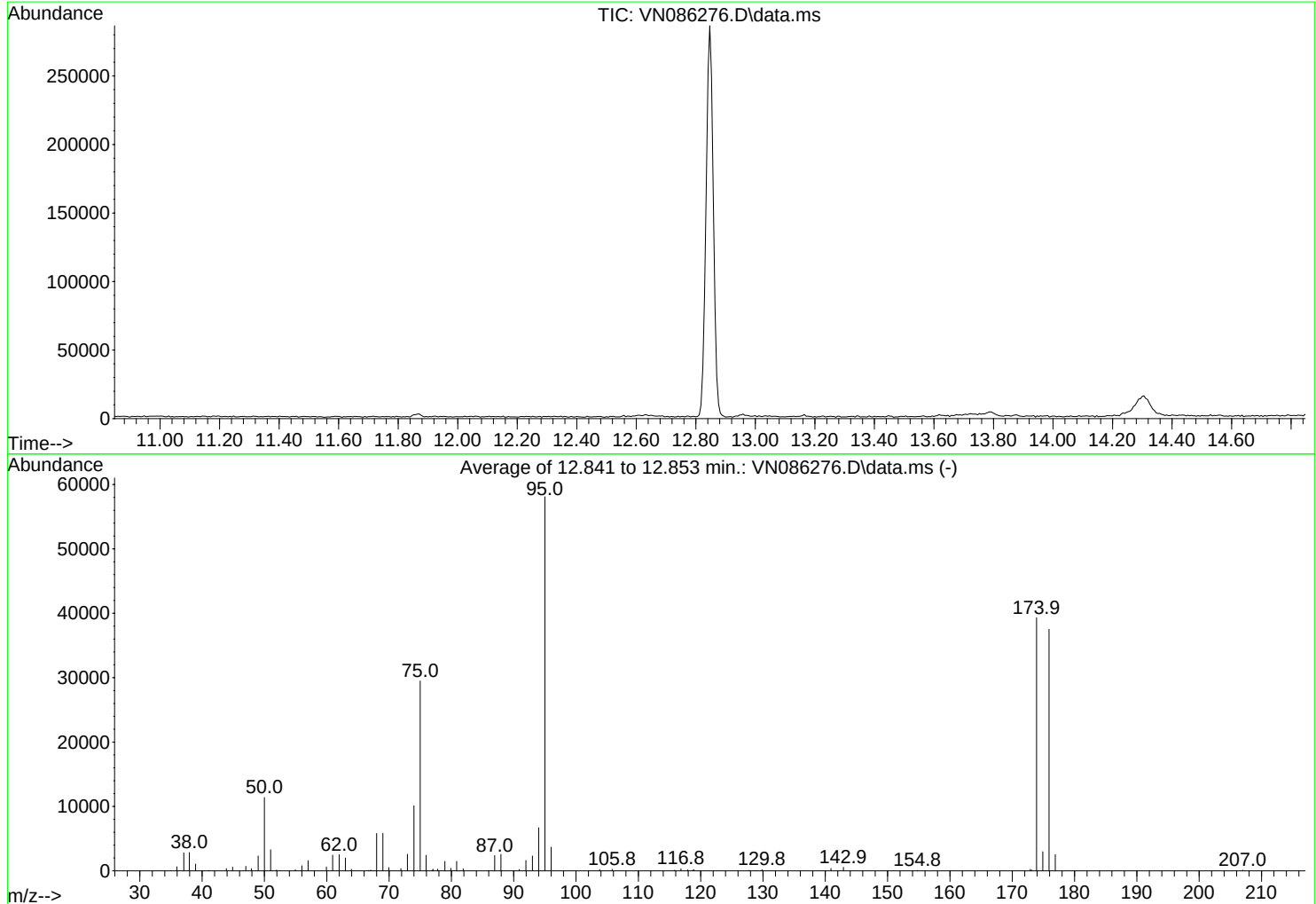
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041525\
Data File : VN086276.D
Acq On : 15 Apr 2025 10:47
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.6	11398	PASS
75	95	30	60	50.8	29499	PASS
95	95	100	100	100.0	58112	PASS
96	95	5	9	6.3	3682	PASS
173	174	0.00	2	0.6	240	PASS
174	95	50	100	67.6	39296	PASS
175	174	5	9	7.6	2977	PASS
176	174	95	101	95.5	37528	PASS
177	176	5	9	6.7	2533	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	635	51.00	3286	67.05	140	77.80	271
37.05	2796	51.95	128	68.00	5813	78.95	147
37.95	2853	54.95	179	69.00	5847	79.90	39
38.95	1053	56.00	804	69.95	514	80.85	148
41.10	67	57.00	1592	71.90	363	81.90	335
43.90	345	59.95	619	72.95	2581	85.90	51
44.90	579	60.95	2450	74.00	10128	86.95	2372
47.00	701	62.00	2513	75.00	29499	87.95	2557
47.90	354	63.00	1986	75.95	2430	90.90	233
49.00	2323	63.95	246	76.90	99	91.95	1612
50.00	11398	66.70	59	77.05	268	93.00	2327

Average of 12.841 to 12.853 min.: VN086276.D\data.ms

BFB

Modified:subtracted

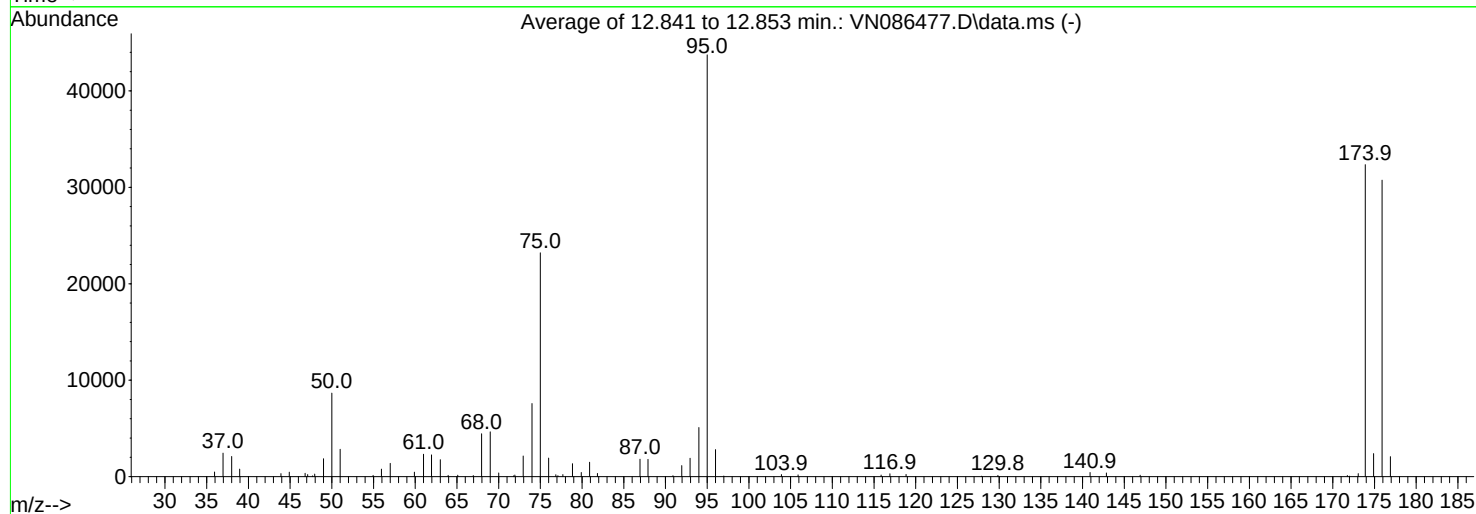
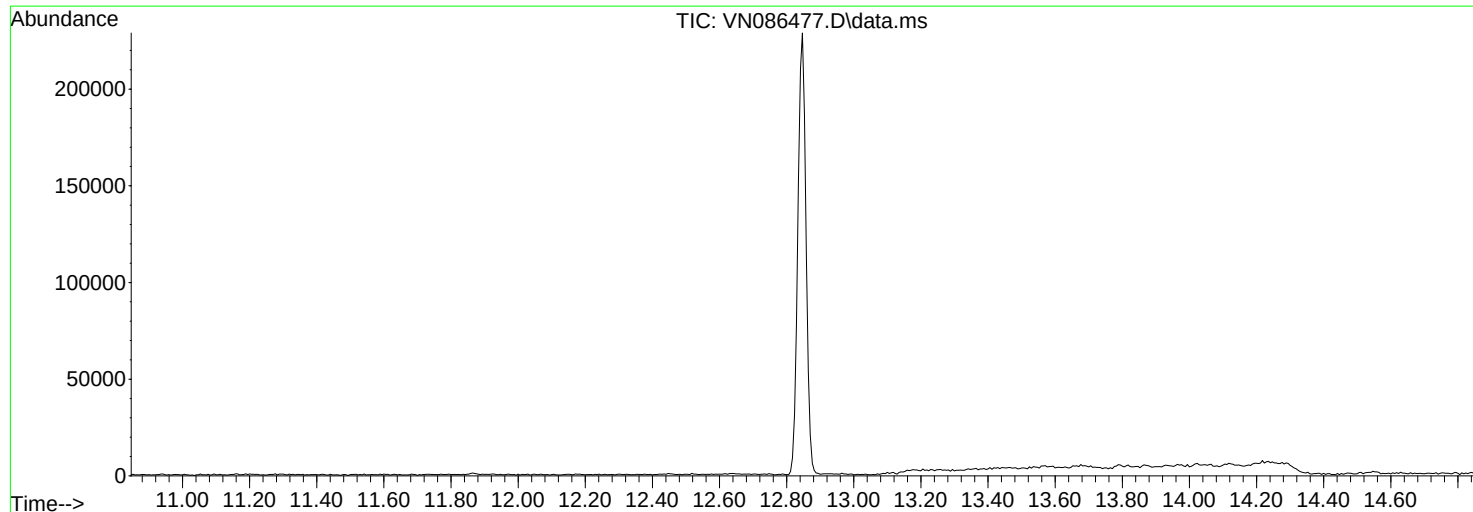
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	6693	128.90	53	207.00	112		
95.00	58112	129.85	189				
96.00	3682	140.90	380				
103.80	224	142.90	552				
105.80	239	154.80	75				
115.85	118	172.90	240				
116.85	326	173.10	131				
117.90	152	173.90	39296				
118.70	112	174.90	2977				
118.90	196	175.90	37528				
127.80	80	176.90	2533				

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086477.D
Acq On : 05 May 2025 10:23
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Title : SW846 8260
Last Update : Wed Apr 16 04:19:23 2025



AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	8661	PASS
75	95	30	60	53.1	23221	PASS
95	95	100	100	100.0	43739	PASS
96	95	5	9	6.4	2801	PASS
173	174	0.00	2	1.0	319	PASS
174	95	50	100	74.0	32349	PASS
175	174	5	9	7.4	2398	PASS
176	174	95	101	95.0	30739	PASS
177	176	5	9	6.8	2079	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	478	50.00	8661	66.95	115	77.10	101
36.95	2433	51.00	2835	67.95	4441	77.70	211
38.00	2086	54.95	140	69.00	4646	78.85	134
38.95	787	55.95	782	70.00	386	79.90	43
43.90	320	57.00	1377	71.80	89	80.90	1487
44.90	463	59.90	462	71.95	170	81.85	333
46.80	352	61.00	2317	72.95	2149	86.95	1803
47.10	210	61.95	2250	74.00	7577	87.90	1800
47.70	83	63.00	1766	75.00	23221	90.90	107
47.95	261	63.95	129	76.00	1918	91.95	1145
49.00	1858	65.10	145	76.85	201	92.95	1909

Average of 12.841 to 12.853 min.: VN086477.D\data.ms

BFB

Modified:subtracted

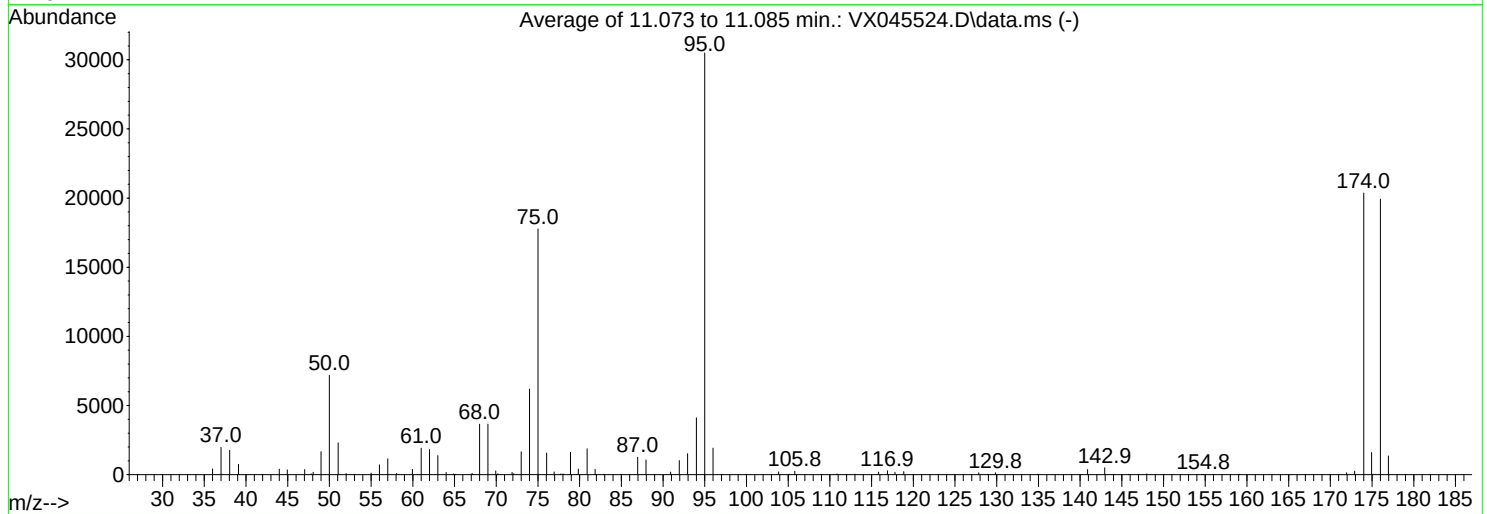
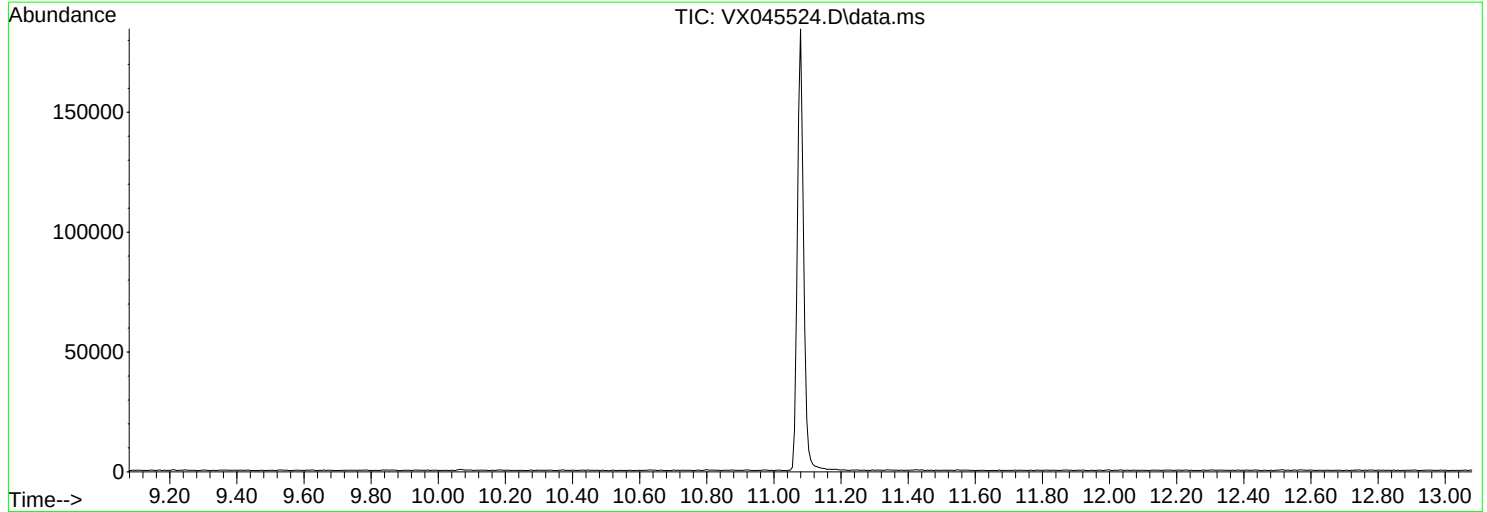
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	5096	140.90	431				
95.00	43739	142.85	380				
96.00	2801	146.90	148				
97.00	64	171.75	119				
103.90	213	172.00	59				
105.90	178	173.05	319				
115.85	164	173.90	32349				
116.90	299	174.90	2398				
118.85	240	175.90	30739				
127.90	50	176.90	2079				
129.85	136						

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040225\
Data File : VX045524.D
Acq On : 01 Apr 2025 16:15
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\82X040225W.M
Title : SW846 8260
Last Update : Wed Apr 02 03:11:43 2025



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

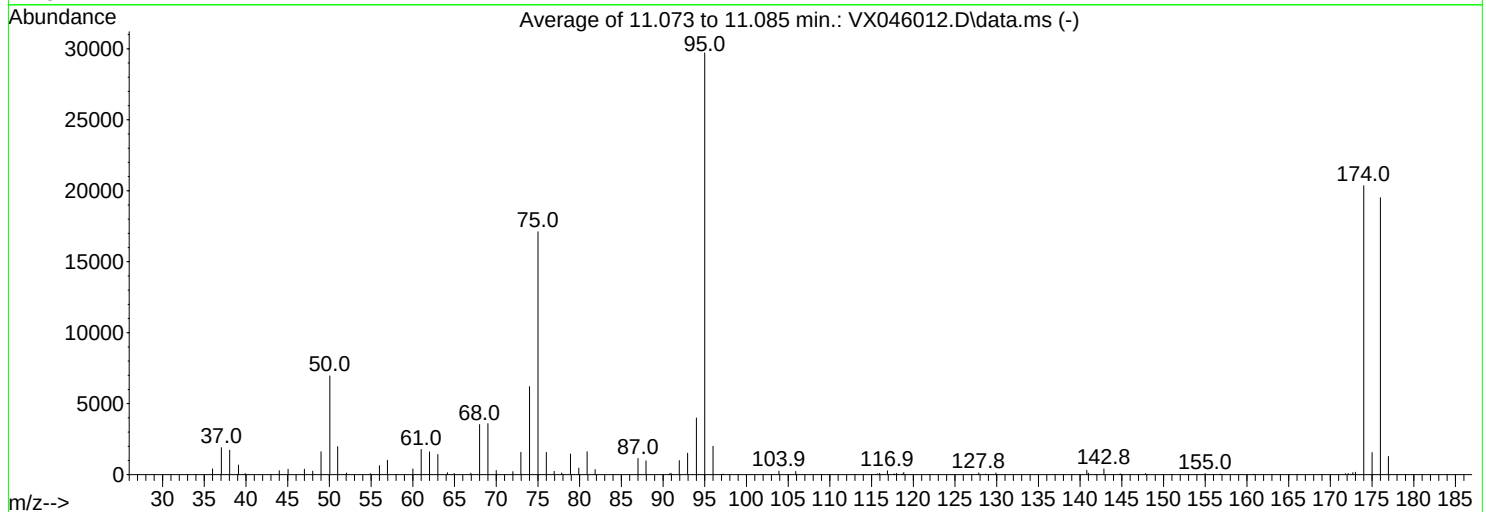
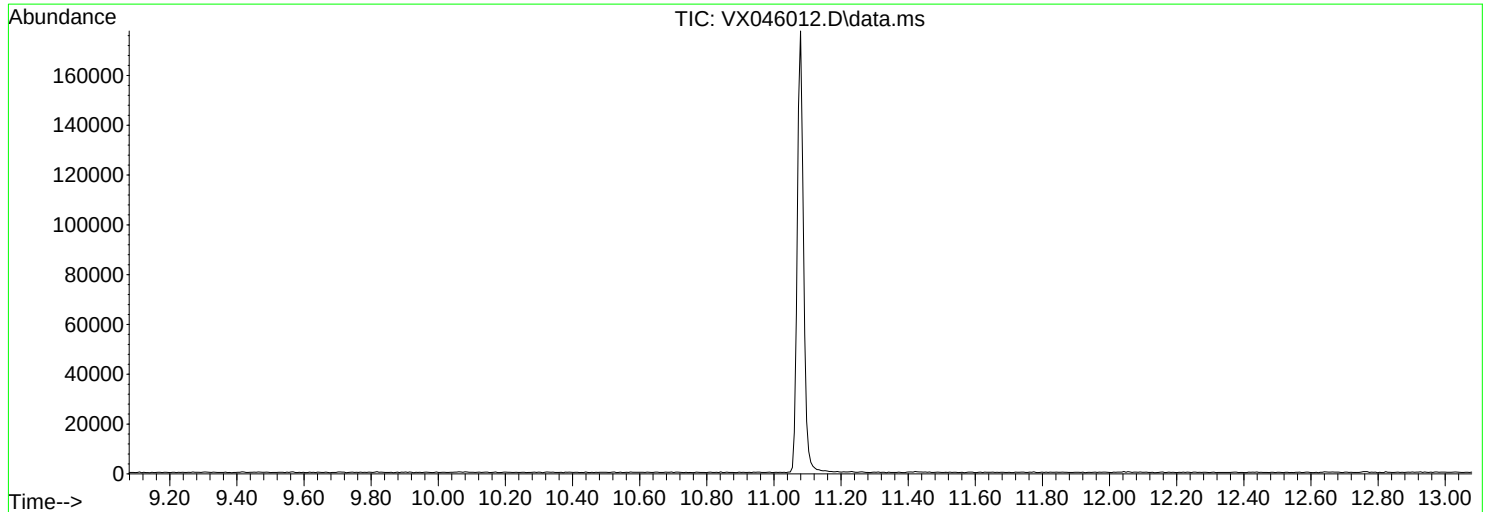
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	7184	PASS
75	95	30	60	58.2	17768	PASS
95	95	100	100	100.0	30504	PASS
96	95	5	9	6.3	1916	PASS
173	174	0.00	2	1.2	253	PASS
174	95	50	100	66.8	20365	PASS
175	174	5	9	7.8	1596	PASS
176	174	95	101	97.8	19923	PASS
177	176	5	9	6.8	1352	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046012.D
Acq On : 02 May 2025 08:56
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Title : SW846 8260
Last Update : Wed Apr 02 03:11:43 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	23.4	6961	PASS
75	95	30	60	57.6	17110	PASS
95	95	100	100	100.0	29717	PASS
96	95	5	9	6.7	2004	PASS
173	174	0.00	2	0.8	173	PASS
174	95	50	100	68.5	20357	PASS
175	174	5	9	7.6	1553	PASS
176	174	95	101	95.8	19511	PASS
177	176	5	9	6.6	1287	PASS

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0505WBL01	SDG No.:	Q1929
Lab Sample ID:	VN0505WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086480.D	1		05/05/25 12:38	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	60.2		70 (75) - 130 (124)	120%	SPK: 50
2037-26-5	Toluene-d8	50.8		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	8.224			
540-36-3	1,4-Difluorobenzene	296000	9.1			
3114-55-4	Chlorobenzene-d5	275000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788			

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_N\Data\VN050525\
 Data File : VN086480.D
 Acq On : 05 May 2025 12:38
 Operator : JC\MD
 Sample : VN0505WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBL01

Quant Time: May 06 01:43:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	156438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110905	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111180	49.011	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.020%
35) Dibromofluoromethane	8.165	113	82766	60.190	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	120.380%
50) Toluene-d8	10.565	98	373128	50.772	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.540%
62) 4-Bromofluorobenzene	12.847	95	126773	47.294	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.580%

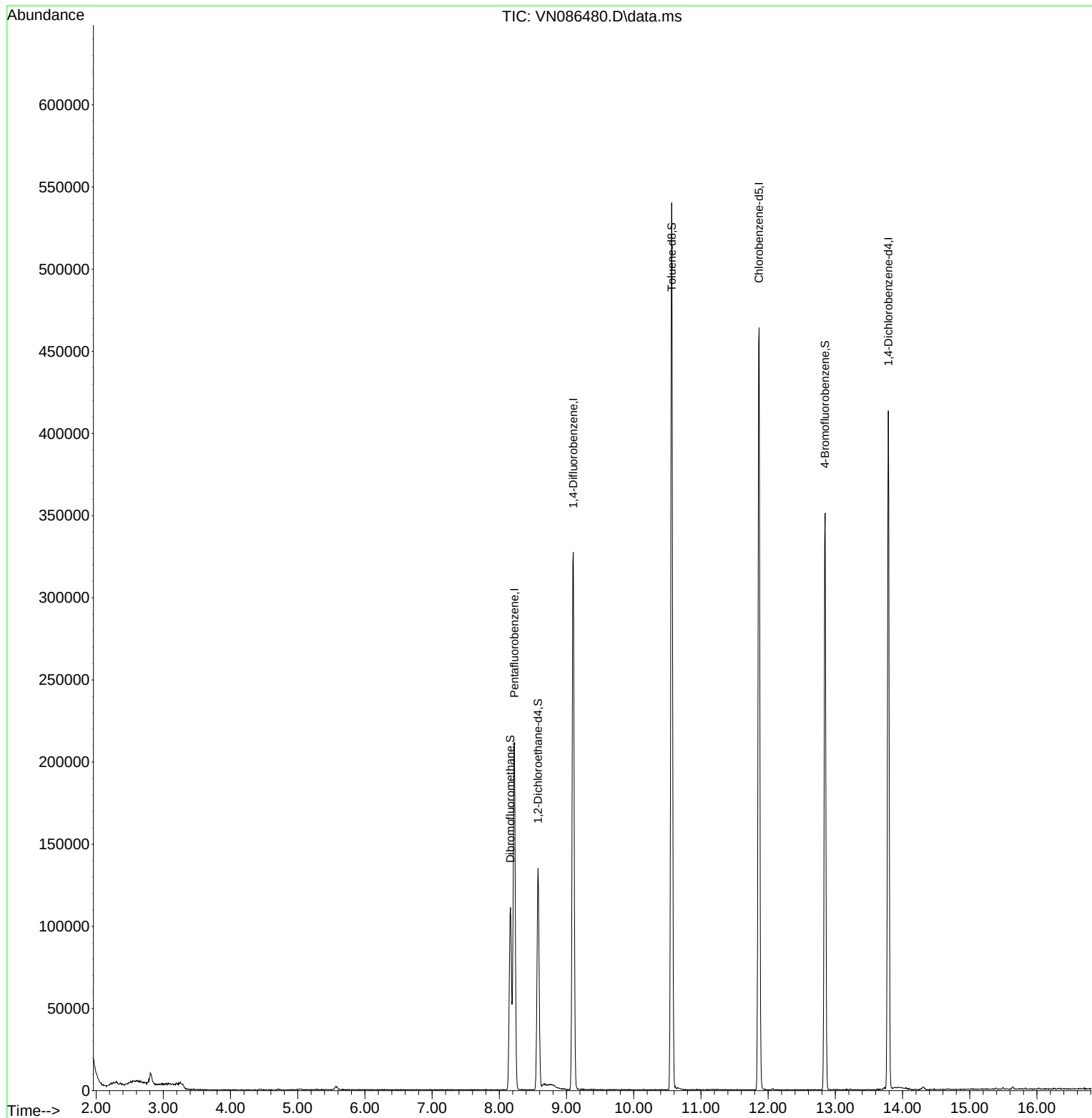
Target Compounds	Qvalue

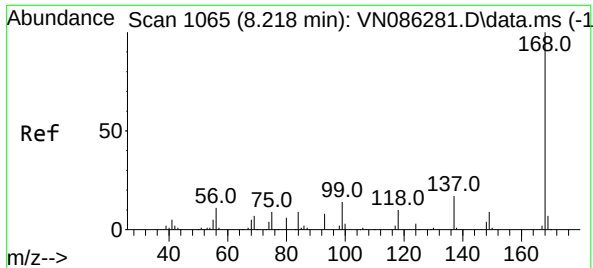
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086480.D
Acq On : 05 May 2025 12:38
Operator : JC\MD
Sample : VN0505WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

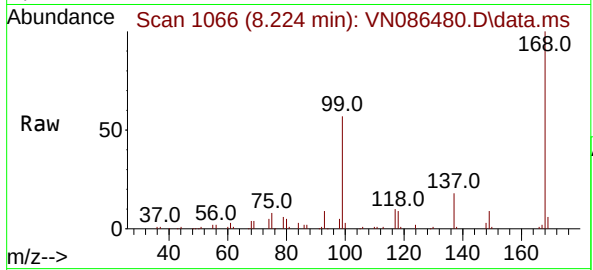
Quant Time: May 06 01:43:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



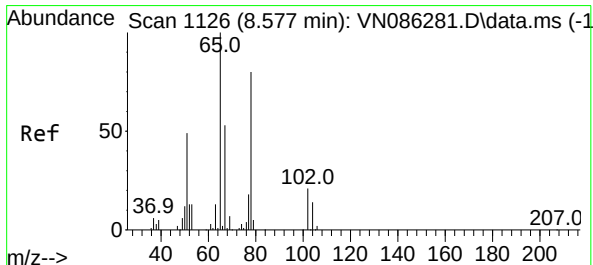
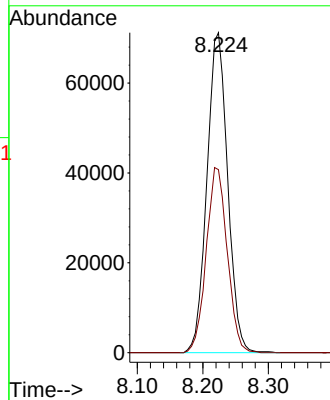
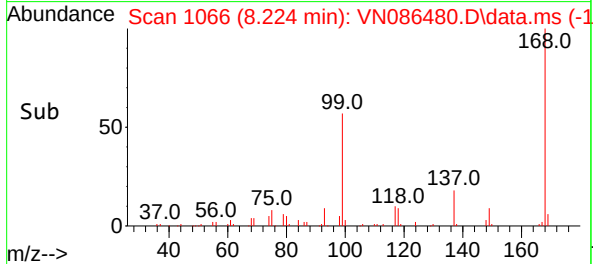


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

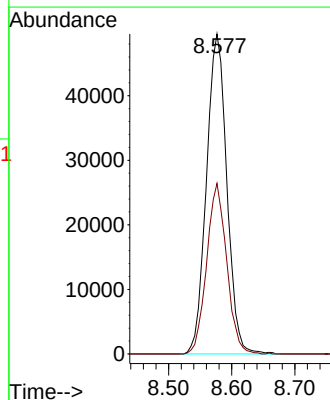
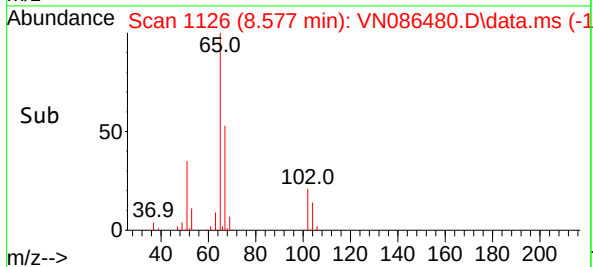
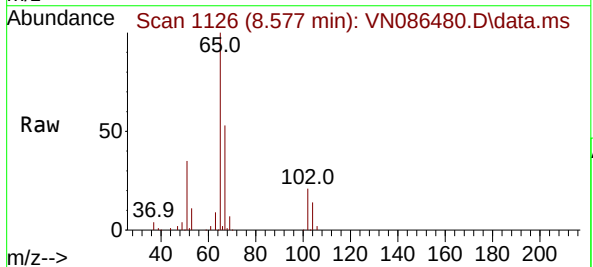


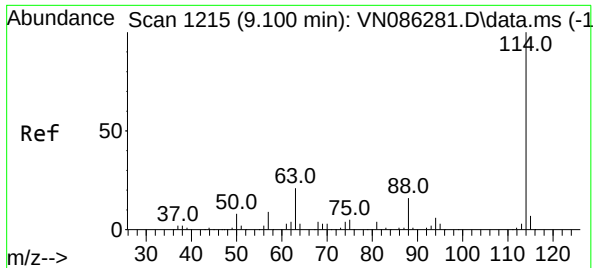
Tgt Ion:168 Resp: 156438
Ion Ratio Lower Upper
168 100
99 57.2 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 49.011 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion: 65 Resp: 111180
Ion Ratio Lower Upper
65 100
67 52.2 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086480.D

Acq: 05 May 2025 12:38

Instrument :

MSVOA_N

ClientSampleId :

VN0505WBL01

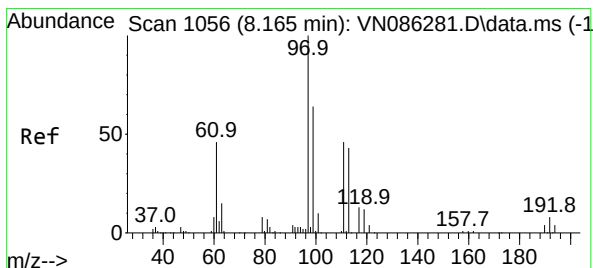
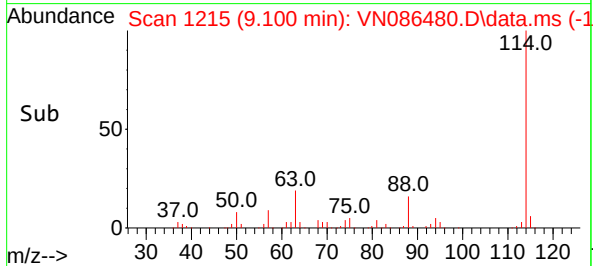
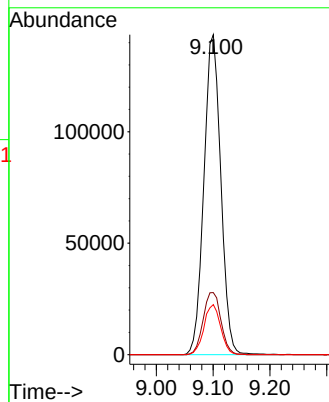
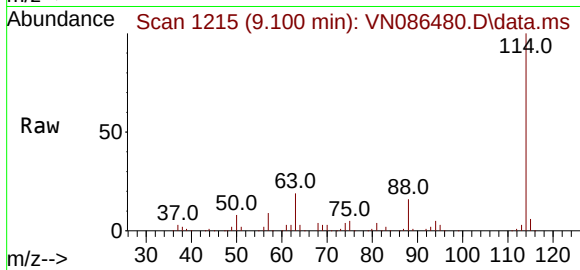
Tgt Ion:114 Resp: 296282

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 15.6 0.0 31.8



#35

Dibromofluoromethane

Concen: 60.190 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086480.D

Acq: 05 May 2025 12:38

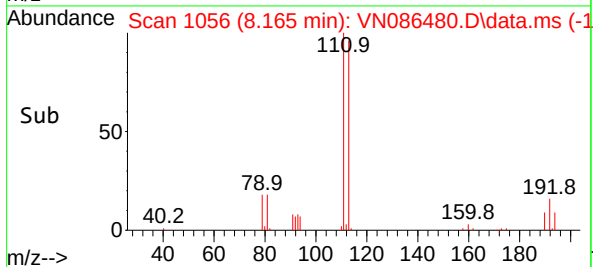
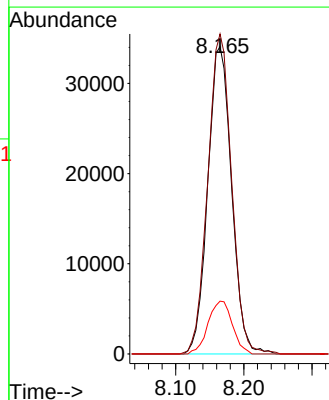
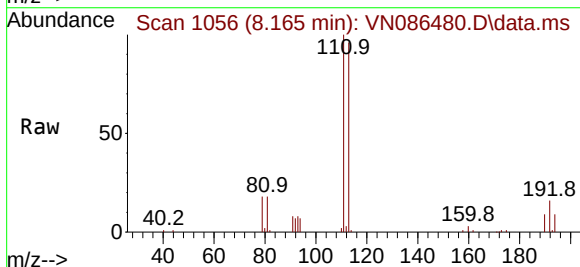
Tgt Ion:113 Resp: 82766

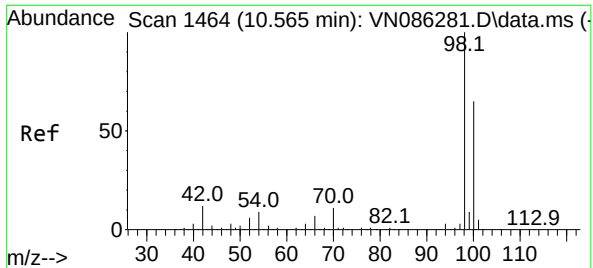
Ion Ratio Lower Upper

113 100

111 104.1 83.4 125.0

192 17.6 13.7 20.5

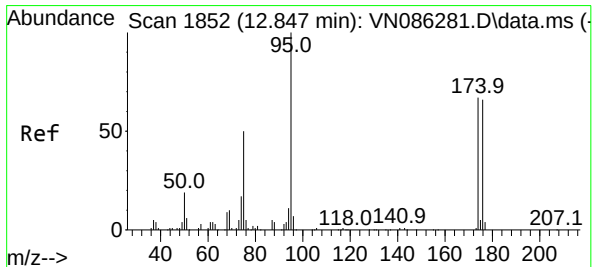
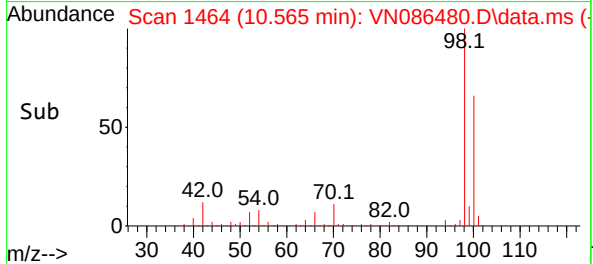
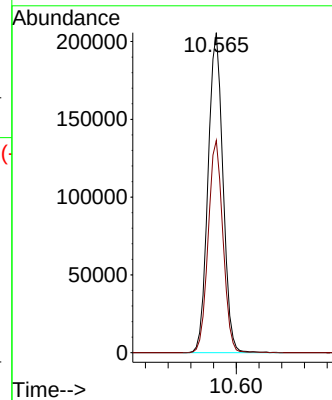
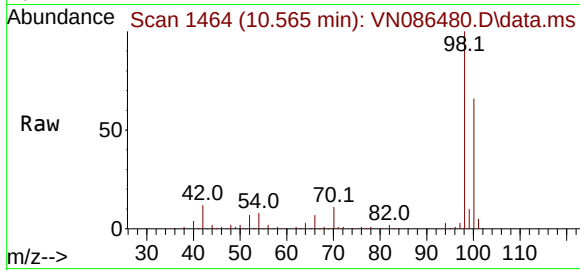




#50
Toluene-d8
Concen: 50.772 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

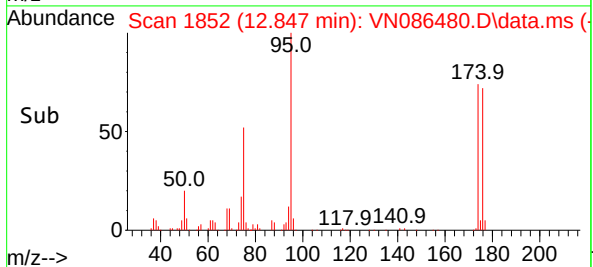
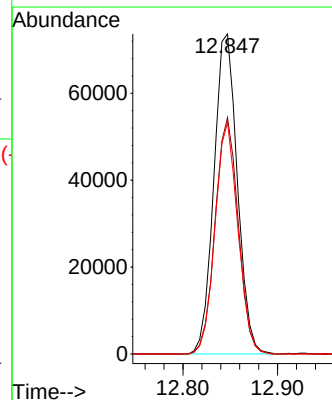
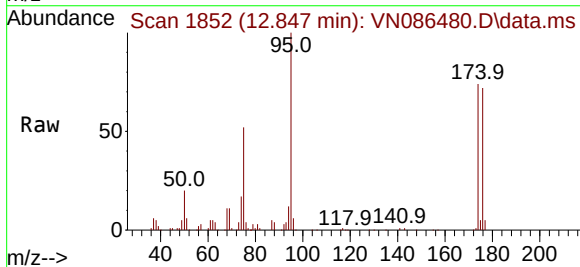
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

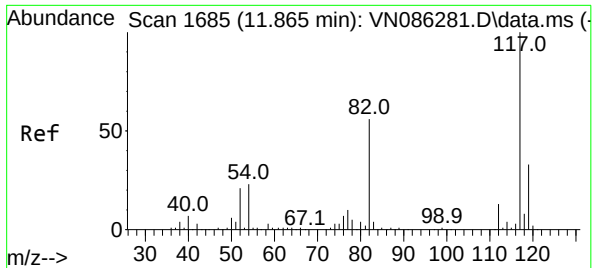
Tgt Ion: 98 Resp: 373128
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 47.294 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion: 95 Resp: 126773
Ion Ratio Lower Upper
95 100
174 72.4 0.0 133.4
176 70.3 0.0 129.2

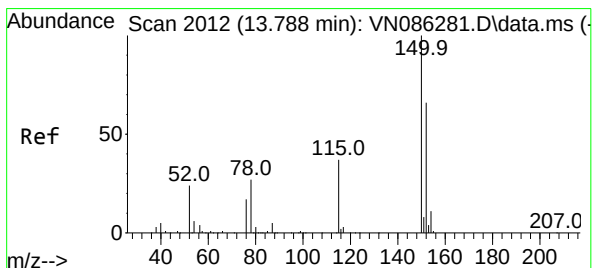
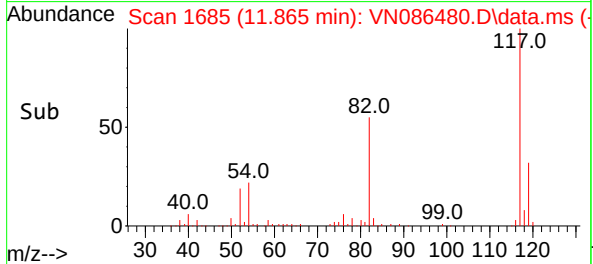
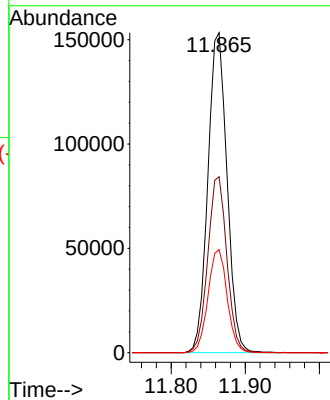
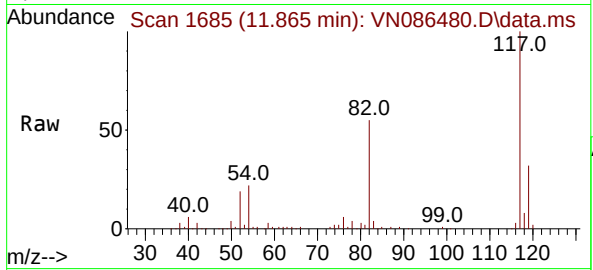




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11685
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

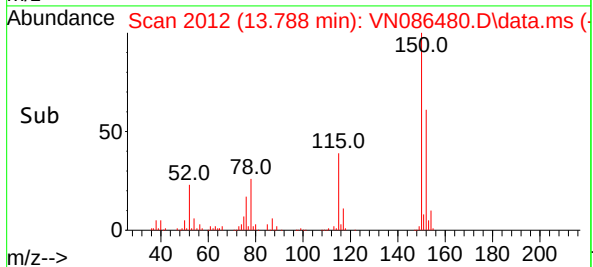
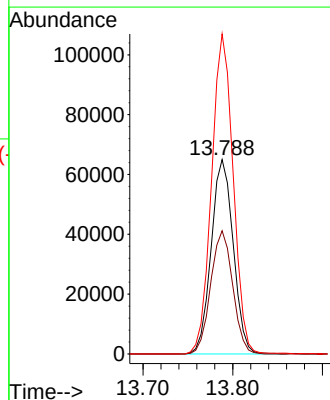
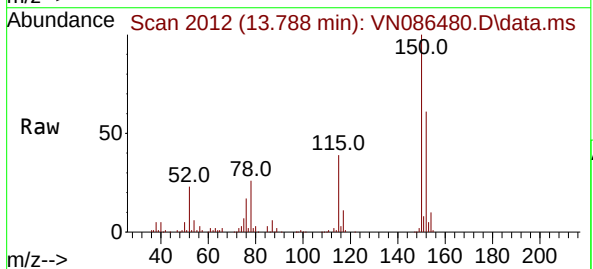
Instrument :
MSVOA_N
ClientSampleId :
VN0505WBL01

Tgt Ion:117 Resp: 275019
Ion Ratio Lower Upper
117 100
82 55.0 44.7 67.1
119 32.2 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086480.D
Acq: 05 May 2025 12:38

Tgt Ion:152 Resp: 110905
Ion Ratio Lower Upper
152 100
115 63.1 31.9 95.9
150 161.2 0.0 352.0



Report of Analysis

Client:	ENTACT			Date Collected:			
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:			
Client Sample ID:	VX0502WBL01			SDG No.:	Q1929		
Lab Sample ID:	VX0502WBL01			Matrix:	TCLP		
Analytical Method:	SW8260			% Solid:	0		
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL	
Soil Aliquot Vol:	uL			Test:	TCLP VOA		
GC Column:	DB-624UI	ID :	0.18	Level :	LOW		
Prep Method :							

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046015.D	1		05/02/25 10:19	VX050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66900	5.544			
540-36-3	1,4-Difluorobenzene	129000	6.757			
3114-55-4	Chlorobenzene-d5	122000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	52200	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\VX050225\
 Data File : VX046015.D
 Acq On : 02 May 2025 10:19
 Operator : JC/MD
 Sample : VX0502WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBL01

Quant Time: May 02 13:01:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	66865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129422	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	52200	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64859	53.042	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.080%
35) Dibromofluoromethane	5.379	113	47640	51.881	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.760%
50) Toluene-d8	8.647	98	163418	50.988	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.980%
62) 4-Bromofluorobenzene	11.079	95	61953	53.067	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.140%

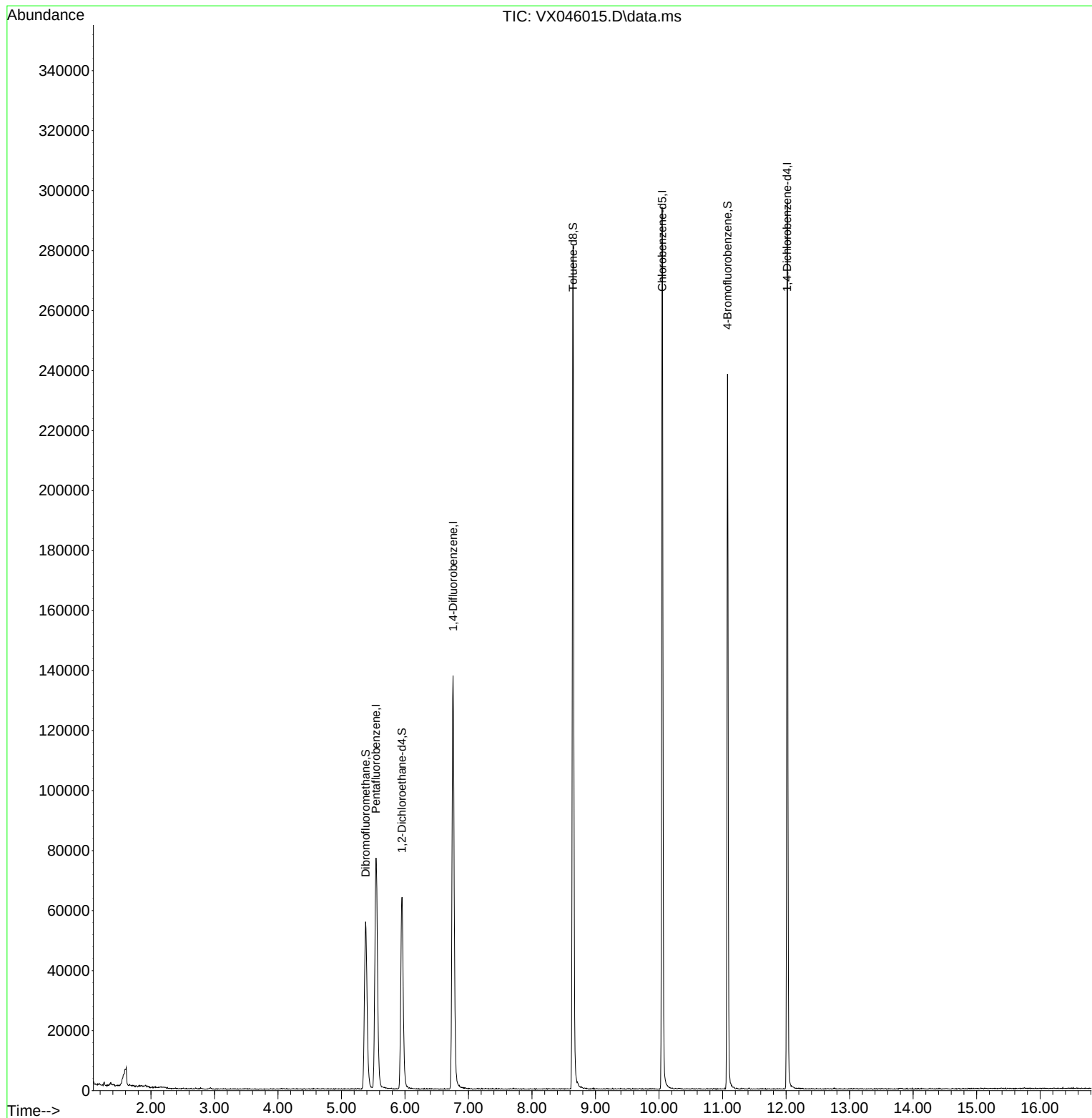
Target Compounds	Qvalue

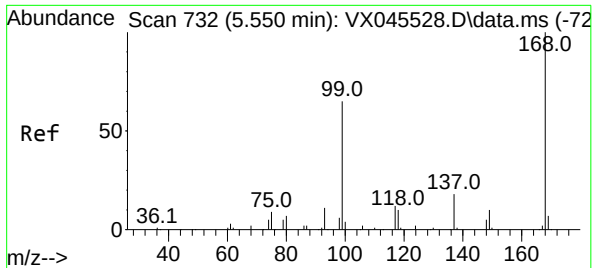
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046015.D
Acq On : 02 May 2025 10:19
Operator : JC/MD
Sample : VX0502WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBL01

Quant Time: May 02 13:01:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

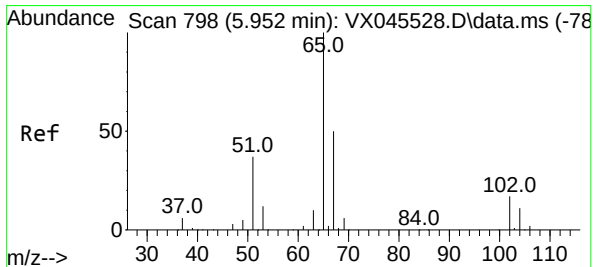
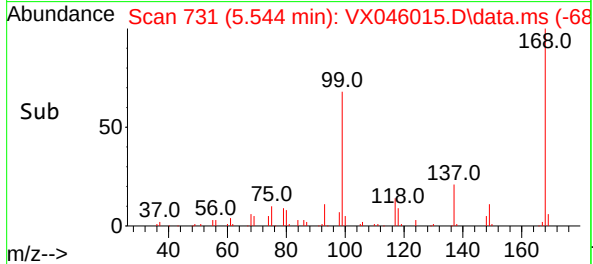
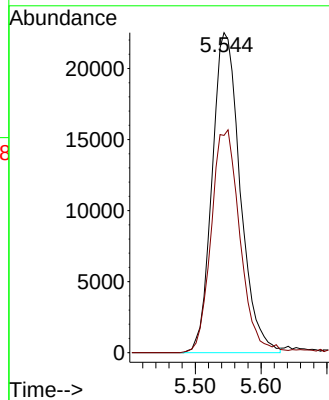
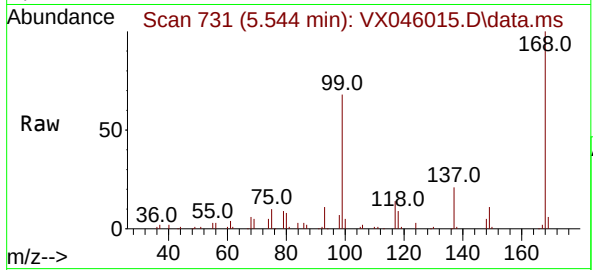




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX046015.D
Acq: 02 May 2025 10:19

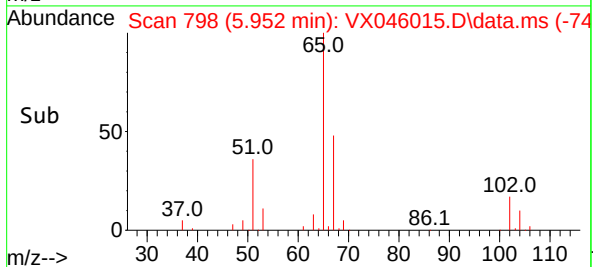
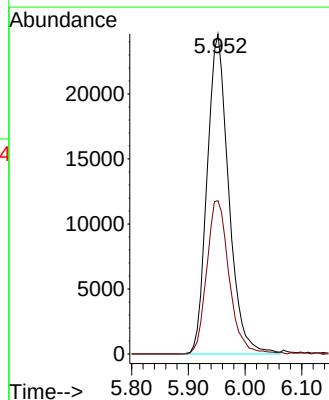
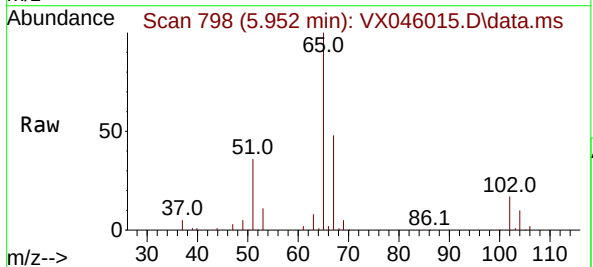
Instrument :
MSVOA_X
ClientSampleId :
VX0502WBL01

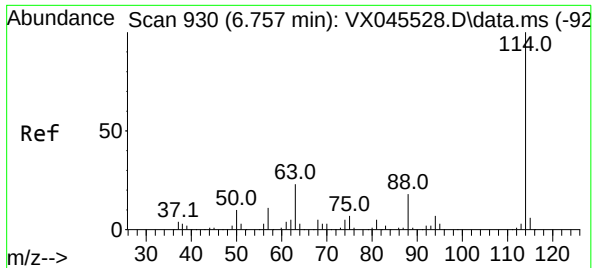
Tgt Ion:168 Resp: 66865
Ion Ratio Lower Upper
168 100
99 67.9 52.3 78.5



#33
1,2-Dichloroethane-d4
Concen: 53.042 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046015.D
Acq: 02 May 2025 10:19

Tgt Ion: 65 Resp: 64859
Ion Ratio Lower Upper
65 100
67 50.0 0.0 99.0

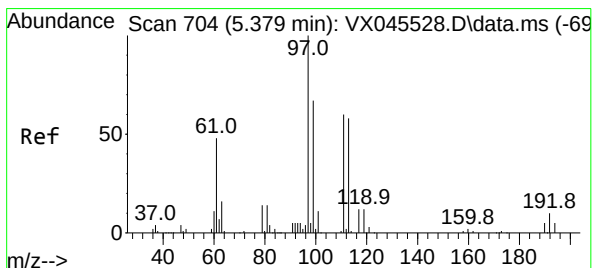
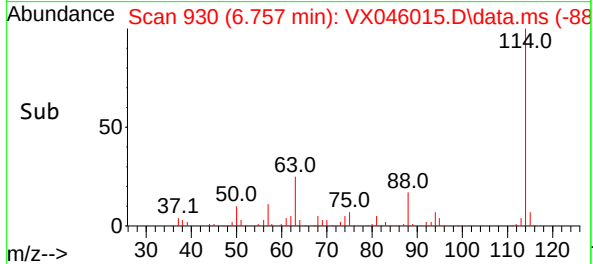
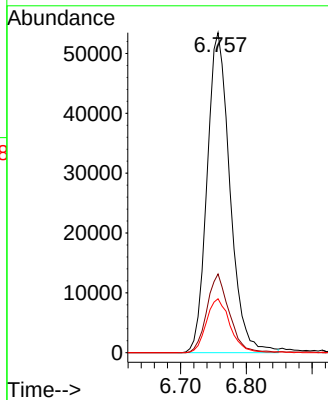
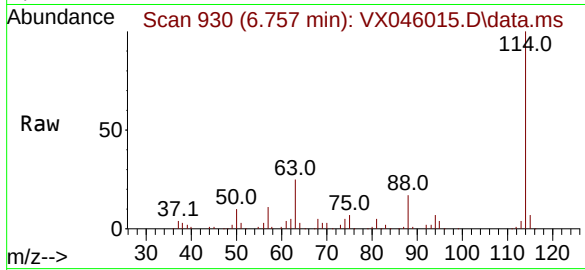




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046015.D
Acq: 02 May 2025 10:19

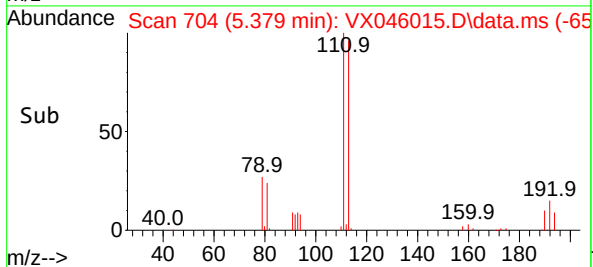
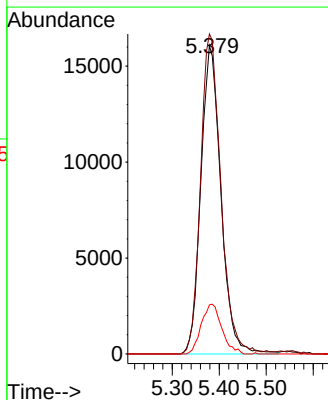
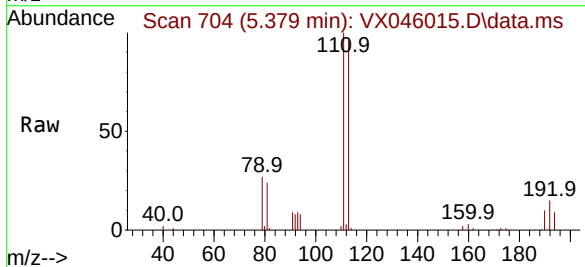
Instrument :
MSVOA_X
ClientSampleId :
VX0502WBL01

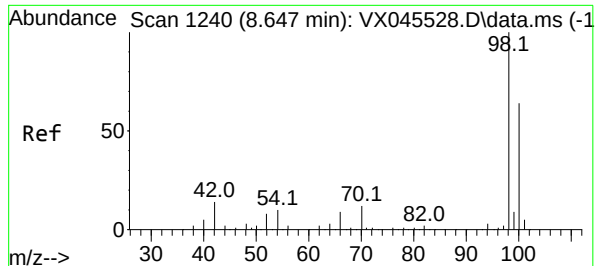
Tgt Ion:114 Resp: 129422
Ion Ratio Lower Upper
114 100
63 24.6 0.0 46.8
88 16.9 0.0 35.4



#35
Dibromofluoromethane
Concen: 51.881 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046015.D
Acq: 02 May 2025 10:19

Tgt Ion:113 Resp: 47640
Ion Ratio Lower Upper
113 100
111 104.8 81.8 122.6
192 16.5 13.8 20.6





#50

Toluene-d8

Concen: 50.988 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX046015.D

Acq: 02 May 2025 10:19

Instrument :

MSVOA_X

ClientSampleId :

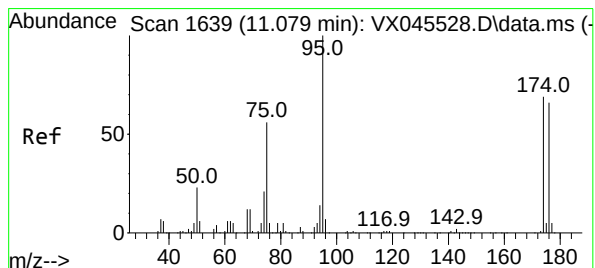
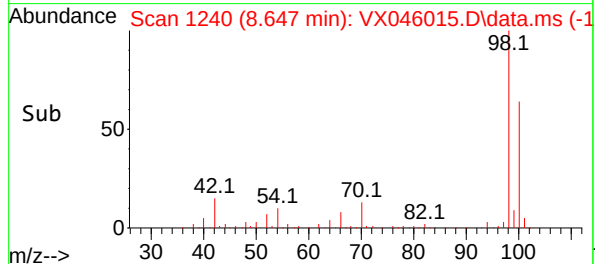
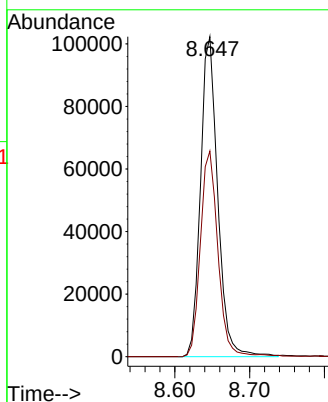
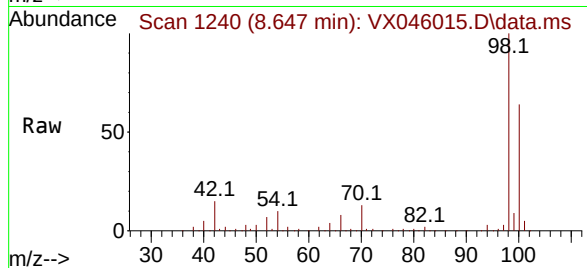
VX0502WBL01

Tgt Ion: 98 Resp: 163418

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.4



#62

4-Bromofluorobenzene

Concen: 53.067 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046015.D

Acq: 02 May 2025 10:19

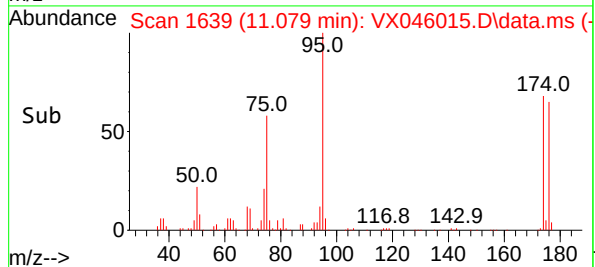
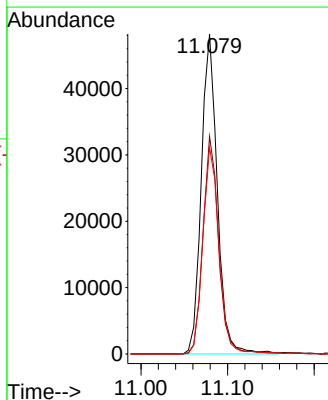
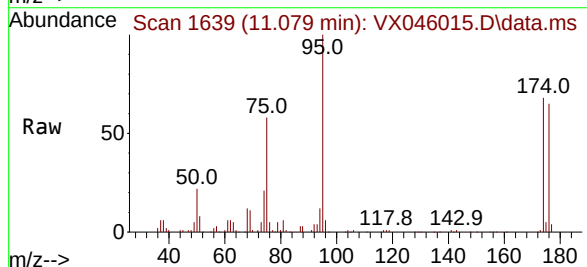
Tgt Ion: 95 Resp: 61953

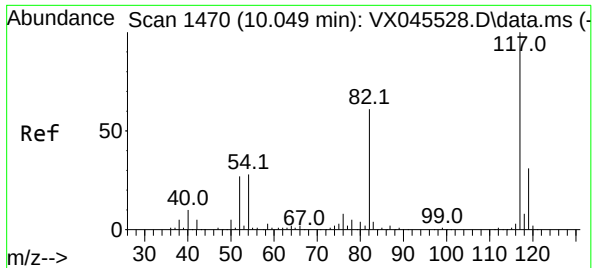
Ion Ratio Lower Upper

95 100

174 66.8 0.0 135.8

176 65.4 0.0 131.4

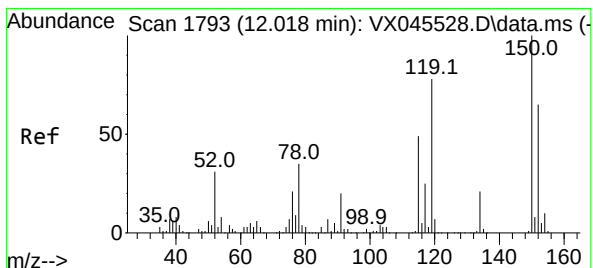
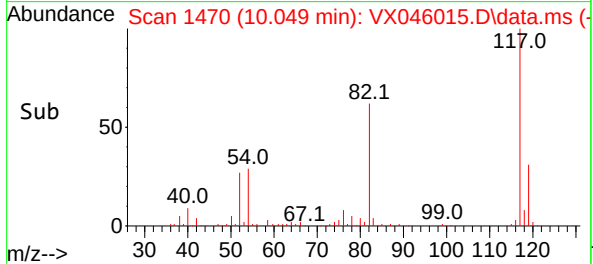
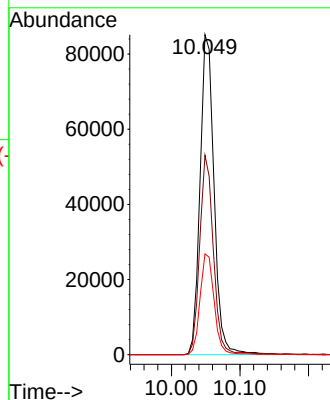
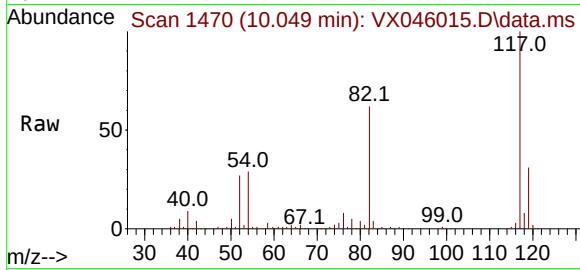




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046015.D
Acq: 02 May 2025 10:19

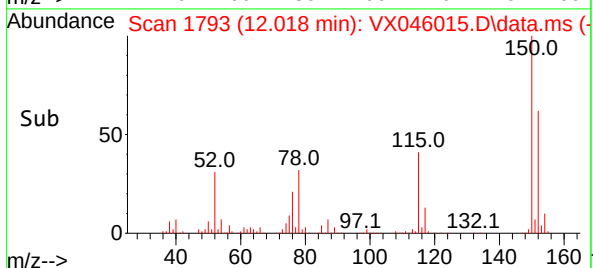
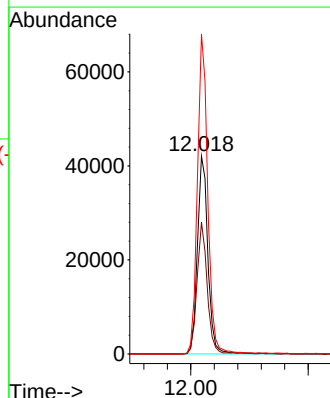
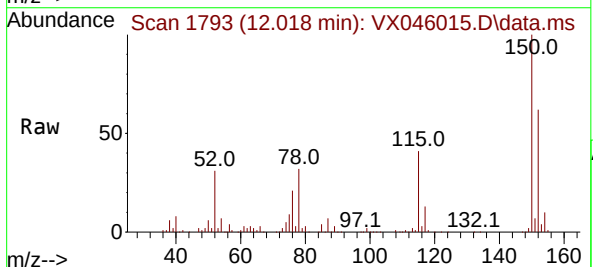
Instrument :
MSVOA_X
ClientSampleId :
VX0502WBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.2	73.8
119	31.5	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046015.D
Acq: 02 May 2025 10:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.3	46.9	140.7
150	159.7	0.0	349.4



Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	VN0505WBS01			SDG No.:	Q1929
Lab Sample ID:	VN0505WBS01			Matrix:	TCLP
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	TCLP VOA
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086481.D	1		05/05/25 13:02	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.23	1.00	ug/L
78-93-3	2-Butanone	88.3		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.6		0.25	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	1.00	ug/L
71-43-2	Benzene	19.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	57.8		70 (75) - 130 (124)	116%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	8.224			
540-36-3	1,4-Difluorobenzene	367000	9.1			
3114-55-4	Chlorobenzene-d5	334000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.788			

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_N\Data\VN050525\
 Data File : VN086481.D
 Acq On : 05 May 2025 13:02
 Operator : JC\MD
 Sample : VN0505WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:44:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	196497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	366604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	333505	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	147153	51.644	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.280%			
35) Dibromofluoromethane	8.165	113	98358	57.808	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.620%			
50) Toluene-d8	10.565	98	467119	51.369	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.847	95	166342	50.152	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	45545	19.553	ug/l	95
3) Chloromethane	2.359	50	60081	17.747	ug/l	100
4) Vinyl Chloride	2.518	62	61363	18.995	ug/l	97
5) Bromomethane	2.959	94	34989	24.079	ug/l	95
6) Chloroethane	3.118	64	41536	19.211	ug/l	100
7) Trichlorofluoromethane	3.500	101	72291	20.202	ug/l	96
8) Diethyl Ether	3.959	74	28241	18.078	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.371	101	43345	20.023	ug/l	98
10) Methyl Iodide	4.589	142	54089	22.727	ug/l	94
11) Tert butyl alcohol	5.518	59	45454	87.429	ug/l	100
12) 1,1-Dichloroethene	4.342	96	44135	19.083	ug/l	94
13) Acrolein	4.177	56	23490	87.062	ug/l	97
14) Allyl chloride	5.018	41	68325	16.619	ug/l	98
15) Acrylonitrile	5.718	53	118119	91.907	ug/l	99
16) Acetone	4.430	43	94899	92.739	ug/l	100
17) Carbon Disulfide	4.712	76	122600	17.704	ug/l	97
18) Methyl Acetate	5.024	43	55592	16.253	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	159201	18.726	ug/l	99
20) Methylene Chloride	5.271	84	52689	20.002	ug/l	92
21) trans-1,2-Dichloroethene	5.789	96	47311	19.567	ug/l	92
22) Diisopropyl ether	6.671	45	158120	17.679	ug/l	98
23) Vinyl Acetate	6.600	43	645338	103.219	ug/l	97
24) 1,1-Dichloroethane	6.565	63	90200	19.114	ug/l	98
25) 2-Butanone	7.477	43	156656	88.327	ug/l	94
26) 2,2-Dichloropropane	7.483	77	82783	19.593	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	59708	19.896	ug/l	96
28) Bromochloromethane	7.812	49	36734	18.359	ug/l	90
29) Tetrahydrofuran	7.835	42	104135	87.803	ug/l	97
30) Chloroform	7.965	83	93481	20.166	ug/l	99
31) Cyclohexane	8.253	56	81461	17.641	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	82275	20.747	ug/l	94
36) 1,1-Dichloropropene	8.371	75	65288	19.211	ug/l	98
37) Ethyl Acetate	7.559	43	66017	18.452	ug/l	95
38) Carbon Tetrachloride	8.359	117	66692	20.607	ug/l	97
39) Methylcyclohexane	9.600	83	74520	18.449	ug/l	95
40) Benzene	8.606	78	213326	19.592	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086481.D
 Acq On : 05 May 2025 13:02
 Operator : JC\MD
 Sample : VN0505WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:44:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	34423	16.601	ug/l	91
42) 1,2-Dichloroethane	8.671	62	71406	20.565	ug/l	99
43) Isopropyl Acetate	8.688	43	126913	18.324	ug/l	98
44) Trichloroethene	9.353	130	52520	20.351	ug/l	95
45) 1,2-Dichloropropane	9.618	63	50856	19.081	ug/l	99
46) Dibromomethane	9.706	93	35677	21.009	ug/l	96
47) Bromodichloromethane	9.882	83	75382	20.553	ug/l	98
48) Methyl methacrylate	9.677	41	54587	17.374	ug/l	95
49) 1,4-Dioxane	9.694	88	21197	396.625	ug/l	95
51) 4-Methyl-2-Pentanone	10.441	43	340895	93.047	ug/l	98
52) Toluene	10.629	92	138652	20.408	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	81152	19.821	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	85142	18.934	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	51087	20.900	ug/l	98
56) Ethyl methacrylate	10.871	69	85820	19.100	ug/l	97
57) 1,3-Dichloropropane	11.159	76	88498	20.406	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	175389	82.241	ug/l	97
59) 2-Hexanone	11.194	43	255604	94.059	ug/l	100
60) Dibromochloromethane	11.359	129	57296	21.346	ug/l	99
61) 1,2-Dibromoethane	11.465	107	51455	20.862	ug/l	98
64) Tetrachloroethene	11.100	164	51243	19.975	ug/l	98
65) Chlorobenzene	11.888	112	152591	20.502	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	50098	20.404	ug/l	100
67) Ethyl Benzene	11.959	91	265929	19.800	ug/l	100
68) m/p-Xylenes	12.065	106	202748	40.289	ug/l	97
69) o-Xylene	12.394	106	101213	20.337	ug/l	97
70) Styrene	12.406	104	166189	20.041	ug/l	99
71) Bromoform	12.576	173	37113	20.076	ug/l #	99
73) Isopropylbenzene	12.694	105	243827	20.198	ug/l	100
74) N-amyl acetate	12.488	43	108683	18.085	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	73655	21.220	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	69462m	19.946	ug/l	
77) Bromobenzene	12.976	156	59108	22.098	ug/l	92
78) n-propylbenzene	13.035	91	288441	20.277	ug/l	99
79) 2-Chlorotoluene	13.123	91	181075	20.343	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	201865	20.431	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	27567	19.011	ug/l	93
82) 4-Chlorotoluene	13.217	91	177105	20.030	ug/l	97
83) tert-Butylbenzene	13.435	119	174852	20.424	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	203281	20.212	ug/l	100
85) sec-Butylbenzene	13.612	105	244446	20.585	ug/l	99
86) p-Isopropyltoluene	13.723	119	205137	20.958	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	102825	20.450	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	103560	20.448	ug/l	99
89) n-Butylbenzene	14.053	91	170904	19.699	ug/l	99
90) Hexachloroethane	14.329	117	33653	20.441	ug/l	96
91) 1,2-Dichlorobenzene	14.100	146	99193	20.347	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	12990	18.561	ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	43550	18.656	ug/l	99
94) Hexachlorobutadiene	15.494	225	18264	20.727	ug/l	98
95) Naphthalene	15.635	128	143324	17.320	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	42531	19.244	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086481.D
Acq On : 05 May 2025 13:02
Operator : JC\MD
Sample : VN0505WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:44:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration

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

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

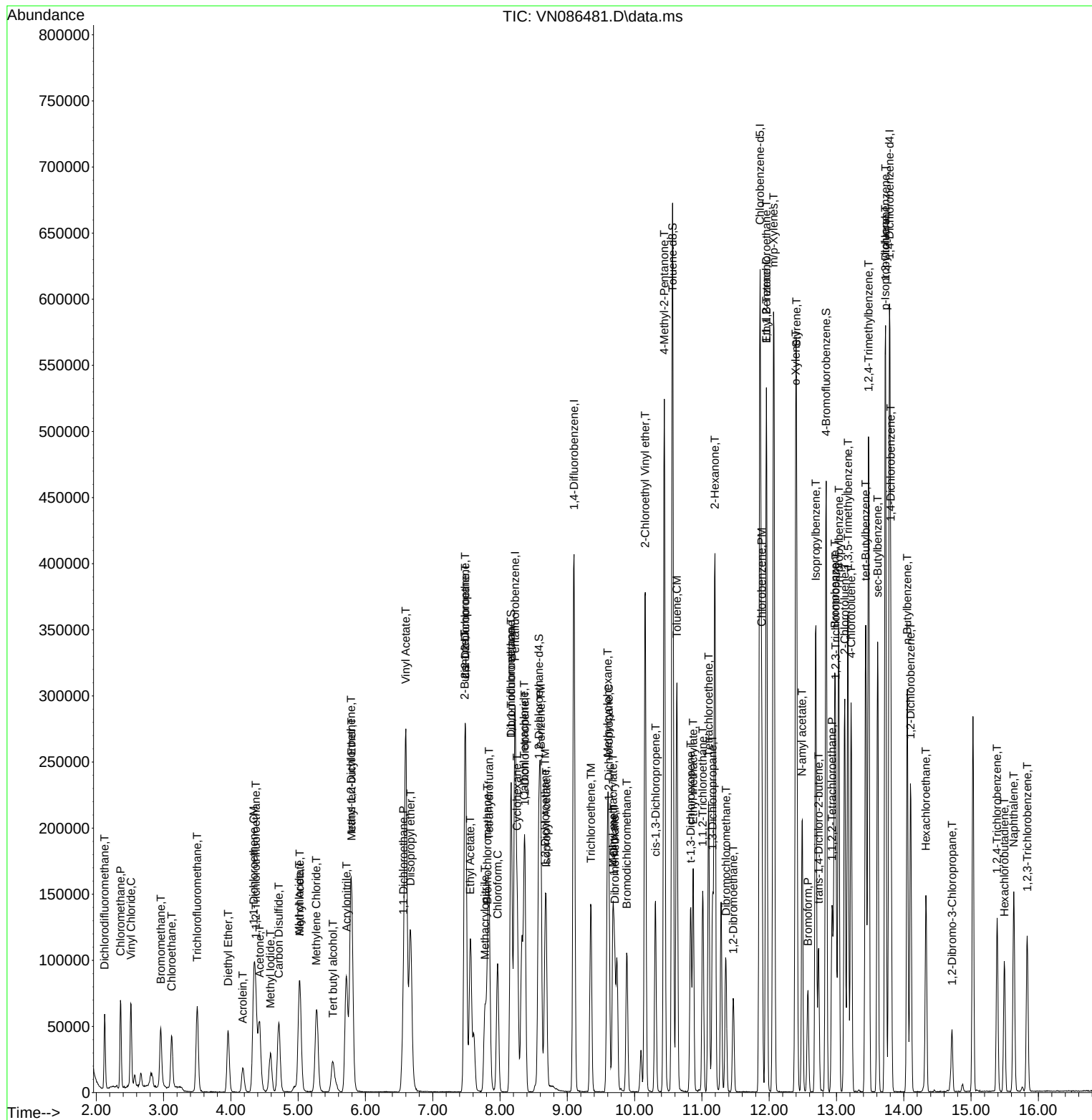
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086481.D
 Acq On : 05 May 2025 13:02
 Operator : JC\MD
 Sample : VN0505WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:44:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VX0502WBS01	SDG No.:	Q1929
Lab Sample ID:	VX0502WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046016.D	1		05/02/25 10:42	VX050225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.3		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	16.6		0.23	5.00	ug/L
78-93-3	2-Butanone	96.6		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	5.00	ug/L
67-66-3	Chloroform	19.5		0.25	5.00	ug/L
71-43-2	Benzene	18.1		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.7		0.22	5.00	ug/L
79-01-6	Trichloroethene	17.9		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	18.6		0.23	5.00	ug/L
108-90-7	Chlorobenzene	19.2		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.8		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.0		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	44.3		70 (86) - 130 (113)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	77000	5.55			
540-36-3	1,4-Difluorobenzene	135000	6.757			
3114-55-4	Chlorobenzene-d5	118000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	56300	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\VX050225\
 Data File : VX046016.D
 Acq On : 02 May 2025 10:42
 Operator : JC/MD
 Sample : VX0502WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 13:01:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	77025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	135229	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	118203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	56323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65853	46.751	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.500%		
35) Dibromofluoromethane	5.379	113	46078	48.025	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.060%		
50) Toluene-d8	8.647	98	148519	44.349	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.700%		
62) 4-Bromofluorobenzene	11.079	95	57169	46.867	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.740%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	18208	15.807	ug/l	98
3) Chloromethane	1.307	50	17464	14.758	ug/l	99
4) Vinyl Chloride	1.374	62	16605	15.332	ug/l	98
5) Bromomethane	1.593	94	8271	16.107	ug/l	98
6) Chloroethane	1.672	64	10350	18.013	ug/l	90
7) Trichlorofluoromethane	1.880	101	29005	17.960	ug/l	99
8) Diethyl Ether	2.136	74	9654	17.806	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	18000	19.021	ug/l	99
10) Methyl Iodide	2.447	142	18729	15.867	ug/l	97
11) Tert butyl alcohol	2.971	59	19050	100.632	ug/l	99
12) 1,1-Dichloroethene	2.313	96	15344	16.594	ug/l	98
13) Acrolein	2.233	56	17501	67.135	ug/l	97
14) Allyl chloride	2.660	41	31841	18.148	ug/l	99
15) Acrylonitrile	3.062	53	57088	95.535	ug/l	99
16) Acetone	2.380	43	54306	93.889	ug/l	96
17) Carbon Disulfide	2.508	76	27262	11.937	ug/l	99
18) Methyl Acetate	2.703	43	35356	26.549	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	61697	19.073	ug/l	97
20) Methylene Chloride	2.782	84	19604	18.104	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	15864	16.793	ug/l	97
22) Diisopropyl ether	3.757	45	64313	18.609	ug/l #	79
23) Vinyl Acetate	3.721	43	263281	88.171	ug/l	100
24) 1,1-Dichloroethane	3.605	63	36616	18.734	ug/l	99
25) 2-Butanone	4.556	43	81783	96.594	ug/l	97
26) 2,2-Dichloropropane	4.471	77	26706	21.148	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	20658	17.949	ug/l	96
28) Bromochloromethane	4.891	49	17274	18.289	ug/l	99
29) Tetrahydrofuran	5.007	42	51133	93.152	ug/l	99
30) Chloroform	5.086	83	39213	19.498	ug/l	91
31) Cyclohexane	5.464	56	27291	15.794	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	32100	18.863	ug/l	99
36) 1,1-Dichloropropene	5.690	75	22771	17.578	ug/l	99
37) Ethyl Acetate	4.715	43	29576	18.117	ug/l	98
38) Carbon Tetrachloride	5.666	117	26852	19.179	ug/l	94
39) Methylcyclohexane	7.379	83	26541	16.714	ug/l	98
40) Benzene	6.038	78	71426	18.053	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046016.D
 Acq On : 02 May 2025 10:42
 Operator : JC/MD
 Sample : VX0502WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/02/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 13:01:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	16763	19.461	ug/l	98
42) 1,2-Dichloroethane	6.086	62	32248	19.734	ug/l	100
43) Isopropyl Acetate	6.342	43	47040	19.011	ug/l	99
44) Trichloroethene	7.123	130	16810	17.876	ug/l	99
45) 1,2-Dichloropropane	7.428	63	19166	19.415	ug/l	97
46) Dibromomethane	7.580	93	14927	19.698	ug/l	99
47) Bromodichloromethane	7.818	83	29234	19.317	ug/l	98
48) Methyl methacrylate	7.696	41	24704	19.337	ug/l	98
49) 1,4-Dioxane	7.659	88	9331	403.694	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	164578	100.336	ug/l	100
52) Toluene	8.714	92	43414	18.134	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	23928	17.978	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	26809	18.851	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	19232	20.159	ug/l	96
56) Ethyl methacrylate	9.116	69	29007	19.647	ug/l	99
57) 1,3-Dichloropropane	9.305	76	32816	19.754	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	51189	68.537	ug/l	100
59) 2-Hexanone	9.427	43	122026	100.461	ug/l	99
60) Dibromochloromethane	9.519	129	20762	19.963	ug/l	96
61) 1,2-Dibromoethane	9.610	107	18506	19.163	ug/l	98
64) Tetrachloroethene	9.269	164	15533	18.612	ug/l	95
65) Chlorobenzene	10.079	112	48572	19.230	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	17219	19.636	ug/l	100
67) Ethyl Benzene	10.189	91	84667	18.716	ug/l	100
68) m/p-Xylenes	10.299	106	62494	37.983	ug/l	100
69) o-Xylene	10.640	106	30410	18.762	ug/l	95
70) Styrene	10.653	104	51855	19.384	ug/l	99
71) Bromoform	10.799	173	12387	18.918	ug/l #	95
73) Isopropylbenzene	10.957	105	83306	18.465	ug/l	99
74) N-amyl acetate	10.842	43	38964	18.055	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	30308	19.124	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	25073m	18.250	ug/l	
77) Bromobenzene	11.195	156	19564	18.768	ug/l	96
78) n-propylbenzene	11.299	91	92611	17.822	ug/l	99
79) 2-Chlorotoluene	11.360	91	59979	18.054	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	70804	18.979	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7203	17.794	ug/l	93
82) 4-Chlorotoluene	11.451	91	68042	18.370	ug/l	99
83) tert-Butylbenzene	11.713	119	68629	18.581	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	70745	18.894	ug/l	97
85) sec-Butylbenzene	11.890	105	85571	18.863	ug/l	99
86) p-Isopropyltoluene	12.006	119	70195	18.769	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	34435	18.148	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	34589	17.981	ug/l	97
89) n-Butylbenzene	12.329	91	58616	18.074	ug/l	98
90) Hexachloroethane	12.536	117	11962	18.611	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	36469	19.331	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6627	19.994	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	19225	18.308	ug/l	98
94) Hexachlorobutadiene	13.719	225	8541	18.875	ug/l	99
95) Naphthalene	13.774	128	70358	18.005	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	20600	18.734	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
Data File : VX046016.D
Acq On : 02 May 2025 10:42
Operator : JC/MD
Sample : VX0502WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0502WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/02/2025
Supervised By :Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 13:01:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 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

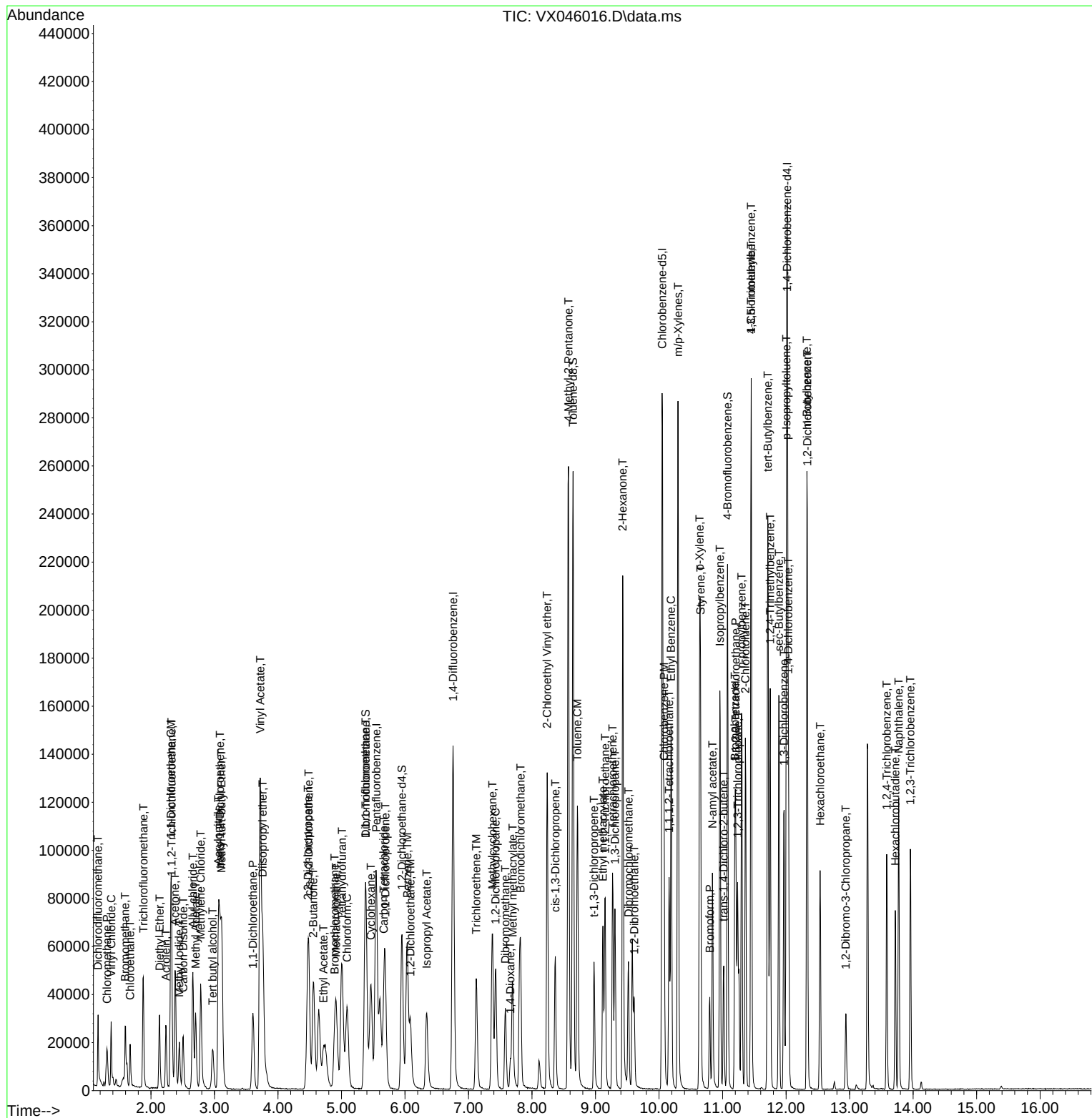
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046016.D
 Acq On : 02 May 2025 10:42
 Operator : JC/MD
 Sample : VX0502WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0502WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 05/02/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 13:01:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration



Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0505WBSD01	SDG No.:	Q1929
Lab Sample ID:	VN0505WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086482.D	1		05/05/25 13:36	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.8		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.23	1.00	ug/L
78-93-3	2-Butanone	96.5		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.0		0.25	1.00	ug/L
67-66-3	Chloroform	20.8		0.25	1.00	ug/L
71-43-2	Benzene	19.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.0		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	21.1		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.9		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	58.7		70 (75) - 130 (124)	117%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	8.224			
540-36-3	1,4-Difluorobenzene	293000	9.1			
3114-55-4	Chlorobenzene-d5	267000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788			

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_N\Data\VN050525\
 Data File : VN086482.D
 Acq On : 05 May 2025 13:36
 Operator : JC\MD
 Sample : VN0505WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:44:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	157209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	123407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119804	52.553	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.100%			
35) Dibromofluoromethane	8.165	113	79853	58.741	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.480%			
50) Toluene-d8	10.565	98	359432	49.472	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.940%			
62) 4-Bromofluorobenzene	12.847	95	129013	48.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	36210	19.430	ug/l	99
3) Chloromethane	2.359	50	49598	18.312	ug/l	100
4) Vinyl Chloride	2.512	62	48501	18.765	ug/l	99
5) Bromomethane	2.959	94	28939	24.892	ug/l	95
6) Chloroethane	3.124	64	32629	18.863	ug/l	100
7) Trichlorofluoromethane	3.500	101	56785	19.835	ug/l	96
8) Diethyl Ether	3.959	74	24331	19.467	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	34954	20.182	ug/l	98
10) Methyl Iodide	4.589	142	43449	22.819	ug/l	94
11) Tert butyl alcohol	5.518	59	40824	98.147	ug/l	99
12) 1,1-Dichloroethene	4.341	96	34994	18.912	ug/l	97
13) Acrolein	4.183	56	19395	90.363	ug/l	98
14) Allyl chloride	5.018	41	56827m	17.276	ug/l	
15) Acrylonitrile	5.712	53	102614	99.796	ug/l	99
16) Acetone	4.424	43	82564	101.360	ug/l	96
17) Carbon Disulfide	4.712	76	97876	17.666	ug/l	98
18) Methyl Acetate	5.024	43	49506	18.091	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	138772	20.403	ug/l	100
20) Methylene Chloride	5.277	84	43783	20.775	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	38777	20.045	ug/l	87
22) Diisopropyl ether	6.671	45	134372	18.779	ug/l	97
23) Vinyl Acetate	6.600	43	492096	98.379	ug/l	97
24) 1,1-Dichloroethane	6.571	63	74385	19.702	ug/l	99
25) 2-Butanone	7.477	43	136874	96.460	ug/l	98
26) 2,2-Dichloropropane	7.488	77	64287	19.018	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	48778	20.316	ug/l	95
28) Bromochloromethane	7.812	49	30366	18.969	ug/l	93
29) Tetrahydrofuran	7.835	42	89911	94.755	ug/l	97
30) Chloroform	7.965	83	77318	20.847	ug/l	97
31) Cyclohexane	8.253	56	65428	17.710	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	64240	20.248	ug/l	98
36) 1,1-Dichloropropene	8.371	75	53058	19.541	ug/l	99
37) Ethyl Acetate	7.559	43	56800	19.870	ug/l	98
38) Carbon Tetrachloride	8.359	117	54266	20.987	ug/l	99
39) Methylcyclohexane	9.600	83	60196	18.652	ug/l	98
40) Benzene	8.606	78	173108	19.899	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086482.D
 Acq On : 05 May 2025 13:36
 Operator : JC\MD
 Sample : VN0505WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0505WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/06/2025
 Supervised By : Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:44:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	29557	17.841	ug/l	91
42) 1,2-Dichloroethane	8.671	62	60210	21.704	ug/l	100
43) Isopropyl Acetate	8.688	43	108956	19.848	ug/l	98
44) Trichloroethene	9.347	130	43305	21.002	ug/l	90
45) 1,2-Dichloropropane	9.618	63	42755	20.078	ug/l	98
46) Dibromomethane	9.706	93	31066	22.897	ug/l	97
47) Bromodichloromethane	9.888	83	62049	21.174	ug/l	95
48) Methyl methacrylate	9.676	41	47363	18.868	ug/l	97
49) 1,4-Dioxane	9.694	88	18423	431.457	ug/l	93
51) 4-Methyl-2-Pentanone	10.441	43	291483	99.579	ug/l	99
52) Toluene	10.629	92	112038	20.640	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	67189	20.540	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	70657	19.666	ug/l	98
55) 1,1,2-Trichloroethane	11.012	97	42677	21.852	ug/l	97
56) Ethyl methacrylate	10.870	69	73075	20.356	ug/l	96
57) 1,3-Dichloropropane	11.159	76	75060	21.662	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	141580	83.092	ug/l	97
59) 2-Hexanone	11.194	43	215159	99.098	ug/l	100
60) Dibromochloromethane	11.359	129	47238	22.027	ug/l	98
61) 1,2-Dibromoethane	11.465	107	43512	22.080	ug/l	100
64) Tetrachloroethene	11.100	164	43232	21.072	ug/l	94
65) Chlorobenzene	11.888	112	124142	20.856	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	41567	21.168	ug/l	99
67) Ethyl Benzene	11.959	91	213840	19.909	ug/l	99
68) m/p-Xylenes	12.070	106	163665	40.666	ug/l	97
69) o-Xylene	12.394	106	80115	20.129	ug/l	99
70) Styrene	12.406	104	137083	20.671	ug/l	99
71) Bromoform	12.576	173	31676	21.426	ug/l #	96
73) Isopropylbenzene	12.694	105	198652	19.678	ug/l	100
74) N-amyl acetate	12.488	43	88916	17.693	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	61804	21.293	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	58672m	20.147	ug/l	
77) Bromobenzene	12.976	156	48339	21.611	ug/l	92
78) n-propylbenzene	13.035	91	233101	19.596	ug/l	99
79) 2-Chlorotoluene	13.123	91	146693	19.707	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	164690	19.932	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	21504	17.734	ug/l	94
82) 4-Chlorotoluene	13.217	91	147900	20.002	ug/l	99
83) tert-Butylbenzene	13.435	119	138059	19.284	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	168656	20.053	ug/l	100
85) sec-Butylbenzene	13.611	105	196131	19.751	ug/l	99
86) p-Isopropyltoluene	13.723	119	162622	19.868	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	89534	21.293	ug/l	98
88) 1,4-Dichlorobenzene	13.806	146	88358	20.863	ug/l	99
89) n-Butylbenzene	14.053	91	138542	19.096	ug/l	99
90) Hexachloroethane	14.329	117	26351	19.140	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	84540	20.738	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	11071	18.916	ug/l	95
93) 1,2,4-Trichlorobenzene	15.388	180	38104	19.520	ug/l	99
94) Hexachlorobutadiene	15.494	225	14681	19.923	ug/l	99
95) Naphthalene	15.635	128	130638	18.879	ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	36275	19.628	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086482.D
Acq On : 05 May 2025 13:36
Operator : JC\MD
Sample : VN0505WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:44:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 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

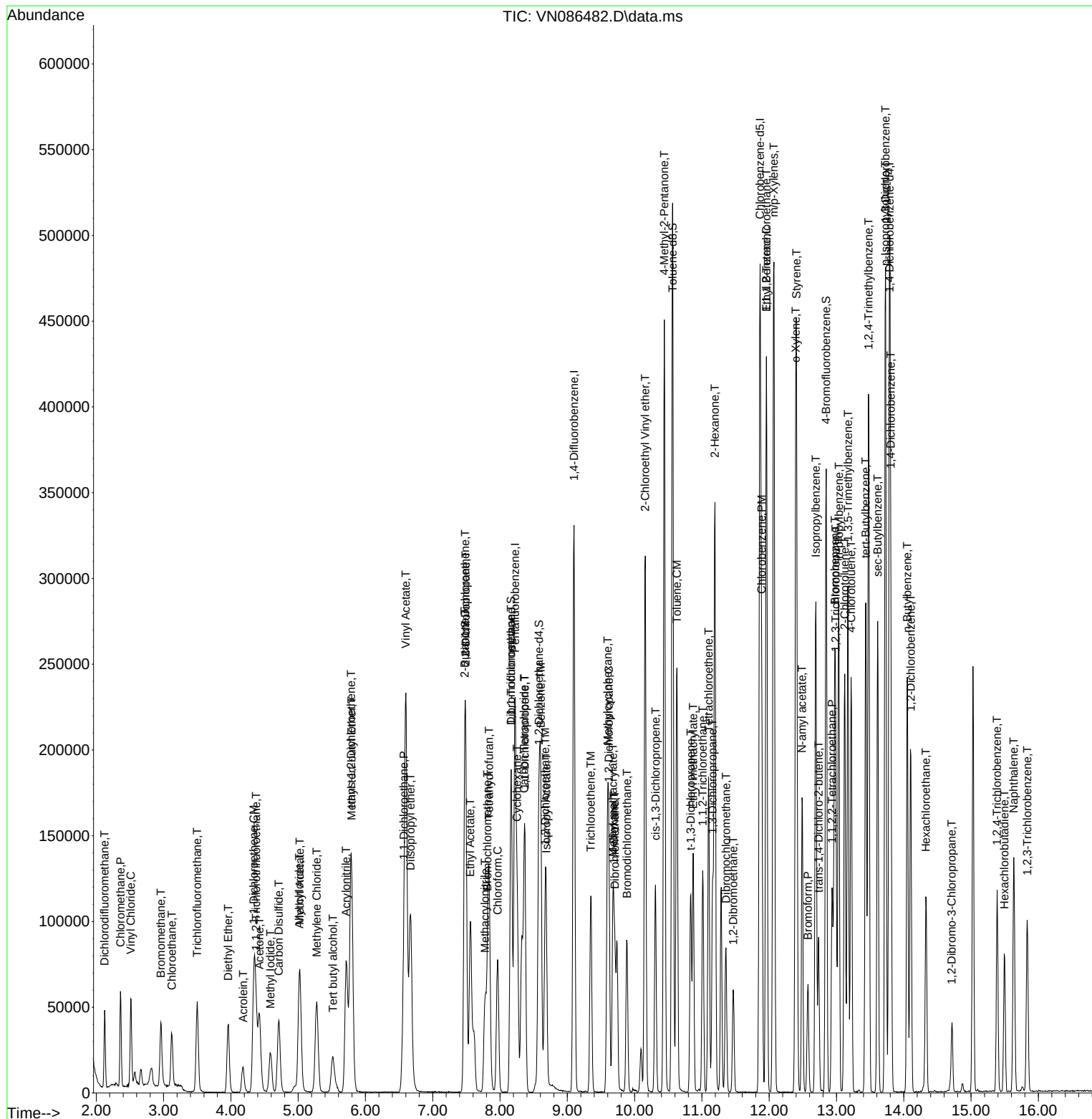
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
Data File : VN086482.D
Acq On : 05 May 2025 13:36
Operator : JC\MD
Sample : VN0505WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0505WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 05/06/2025
Supervised By :Mahesh Dadoda 05/06/2025

Quant Time: May 06 01:44:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 16 04:19:23 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VN041525	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086277.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	1,4-Dichlorobenzene	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC001	VN086277.D	Acetone	JOHN	4/16/2025 9:06:57 AM	SAM	4/16/2025 3:43:50 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC005	VN086278.D	Vinyl Acetate	JOHN	4/16/2025 9:07:03 AM	SAM	4/16/2025 3:44:01 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC010	VN086279.D	Allyl chloride	JOHN	4/16/2025 9:07:07 AM	SAM	4/16/2025 3:44:03 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICC020	VN086280.D	Vinyl Acetate	JOHN	4/16/2025 9:07:11 AM	SAM	4/16/2025 3:44:07 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICCC050	VN086281.D	trans-1,4-Dichloro-2-but ene	JOHN	4/16/2025 9:07:15 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN041525

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN086282.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICC100	VN086282.D	trans-1,4-Dichloro-2-butene	JOHN	4/16/2025 9:07:19 AM	SAM	4/16/2025 3:44:11 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	1,2,3-Trichloropropane	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software
VSTDICV050	VN086284.D	trans-1,4-Dichloro-2-butene	JOHN	4/16/2025 9:07:24 AM	SAM	4/16/2025 3:44:13 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN050525

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086478.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:56:49 AM	MMDadoda	5/6/2025 12:40:29 PM	Peak Integrated by Software
VN0505WBS01	VN086481.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:56:54 AM	MMDadoda	5/6/2025 12:40:29 PM	Peak Integrated by Software
VN0505WBSD0 1	VN086482.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:56:58 AM	MMDadoda	5/6/2025 12:40:31 PM	Peak Integrated by Software
VN0505WBSD0 1	VN086482.D	Allyl chloride	JOHN	5/6/2025 9:56:58 AM	MMDadoda	5/6/2025 12:40:31 PM	Peak Integrated by Software
VSTDCCC050	VN086502.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:57:41 AM	MMDadoda	5/6/2025 12:40:38 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX040225	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045525.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	1,4-Dichlorobenzene	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	1,4-Dioxane	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	Ethyl methacrylate	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC001	VX045525.D	Methacrylonitrile	Amit	4/2/2025 2:14:20 PM	MMDadoda	4/2/2025 2:16:05 PM	Peak Integrated by Software
VSTDICC005	VX045526.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:22 PM	MMDadoda	4/2/2025 2:16:07 PM	Peak Integrated by Software
VSTDICC020	VX045527.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:25 PM	MMDadoda	4/2/2025 2:16:09 PM	Peak Integrated by Software
VSTDICCC050	VX045528.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:26 PM	MMDadoda	4/2/2025 2:16:11 PM	Peak Integrated by Software
VSTDICC100	VX045529.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:28 PM	MMDadoda	4/2/2025 2:16:15 PM	Peak Integrated by Software
VSTDICC150	VX045530.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:30 PM	MMDadoda	4/2/2025 2:16:46 PM	Peak Integrated by Software
VSTDICV050	VX045532.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:14:32 PM	MMDadoda	4/2/2025 2:17:50 PM	Peak Integrated by Software
VSTDCCC050	VX045534.D	1,2,3-Trichloropropane	JOHN	4/3/2025 10:04:10 AM	MMDadoda	4/3/2025 1:12:02 PM	Peak Integrated by Software
VSTDCCC050	VX045557.D	1,2,3-Trichloropropane	JOHN	4/3/2025 10:04:58 AM	MMDadoda	4/3/2025 1:12:08 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VX040225

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

vx050225

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046013.D	1,2,3-Trichloropropane	JOHN	5/2/2025 2:54:47 PM	Sam	5/5/2025 2:51:46 PM	Peak Integrated by Software
VX0502WBS01	VX046016.D	1,2,3-Trichloropropane	JOHN	5/2/2025 2:54:53 PM	Sam	5/5/2025 2:51:47 PM	Peak Integrated by Software
VSTDCCC050	VX046037.D	1,2,3-Trichloropropane	JOHN	5/5/2025 9:50:13 AM	Sam	5/5/2025 2:51:54 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM		
SubDirectory	VN041525	HP Acquire Method	MSVOA_N	HP Processing Method	82N041525W.M
STD. NAME		STD REF.#			
Tune/Reschk		VP133665			
Initial Calibration Stds		VP133667,VP133668,VP133669,VP133670,VP133671,VP133672			
CCC					
Internal Standard/PEM		VP131746			
ICV/I.BLK		VP133673			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086276.D	15 Apr 2025 10:47	JC\MD	Ok
2	VSTDICC001	VN086277.D	15 Apr 2025 11:29	JC\MD	Ok,M
3	VSTDICC005	VN086278.D	15 Apr 2025 12:21	JC\MD	Ok,M
4	VSTDICC010	VN086279.D	15 Apr 2025 12:45	JC\MD	Ok,M
5	VSTDICC020	VN086280.D	15 Apr 2025 13:09	JC\MD	Ok,M
6	VSTDICCC050	VN086281.D	15 Apr 2025 13:51	JC\MD	Ok,M
7	VSTDICC100	VN086282.D	15 Apr 2025 14:29	JC\MD	Ok,M
8	VIBLK	VN086283.D	15 Apr 2025 15:06	JC\MD	Ok
9	VSTDICV050	VN086284.D	15 Apr 2025 15:30	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM
Supervise By	Maresh Dadoda	Supervise On	5/6/2025 12:40:44 PM
SubDirectory	VN050525	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133808		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133809,VP133810		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086477.D	05 May 2025 10:23	JC\MD	Ok
2	VSTDCCC050	VN086478.D	05 May 2025 11:32	JC\MD	Ok,M
3	VN0505MBL01	VN086479.D	05 May 2025 12:13	JC\MD	Ok
4	VN0505WBL01	VN086480.D	05 May 2025 12:38	JC\MD	Ok
5	VN0505WBS01	VN086481.D	05 May 2025 13:02	JC\MD	Ok,M
6	VN0505WBSD01	VN086482.D	05 May 2025 13:36	JC\MD	Ok,M
7	IBLK	VN086483.D	05 May 2025 14:00	JC\MD	Ok
8	Q1942-01	VN086484.D	05 May 2025 14:24	JC\MD	Ok
9	Q1942-02	VN086485.D	05 May 2025 14:48	JC\MD	Ok
10	Q1942-03	VN086486.D	05 May 2025 15:12	JC\MD	Ok
11	Q1942-04	VN086487.D	05 May 2025 15:36	JC\MD	Ok
12	Q1956-07	VN086488.D	05 May 2025 16:00	JC\MD	Ok
13	Q1929-05RE	VN086489.D	05 May 2025 16:25	JC\MD	Confirms
14	Q1929-09RE	VN086490.D	05 May 2025 16:49	JC\MD	Confirms
15	VN0505MBS01	VN086491.D	05 May 2025 17:13	JC\MD	Ok,M
16	VN0505MBSD01	VN086492.D	05 May 2025 17:37	JC\MD	Ok,M
17	Q1914-06ME	VN086493.D	05 May 2025 18:01	JC\MD	Not Ok
18	Q1914-07ME	VN086494.D	05 May 2025 18:25	JC\MD	Ok
19	Q1914-08	VN086495.D	05 May 2025 18:49	JC\MD	Not Ok
20	Q1914-09ME	VN086496.D	05 May 2025 19:14	JC\MD	Ok
21	Q1914-12	VN086497.D	05 May 2025 19:38	JC\MD	Not Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:40:44 PM
SubDirectory	VN050525	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133808		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133809,VP133810		

22	IBLK	VN086498.D	05 May 2025 20:02	JC\MD	Ok
23	Q1939-03	VN086499.D	05 May 2025 20:26	JC\MD	Not Ok
24	Q1939-06	VN086500.D	05 May 2025 20:50	JC\MD	Ok
25	IBLK	VN086501.D	05 May 2025 21:14	JC\MD	Ok
26	VSTDCCC050	VN086502.D	05 May 2025 21:38	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM
SubDirectory	VX040225	HP Acquire Method	HP Processing Method 82X040225W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133559,VP133563		
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574		
CCC	VP133564,VP133565		
Internal Standard/PEM			
ICV/I.BLK	VP133575		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045524.D	01 Apr 2025 16:15	JC/MD	Ok
2	VSTDIC001	VX045525.D	01 Apr 2025 17:06	JC/MD	Ok,M
3	VSTDIC005	VX045526.D	01 Apr 2025 17:29	JC/MD	Ok,M
4	VSTDIC020	VX045527.D	01 Apr 2025 17:52	JC/MD	Ok,M
5	VSTDIC050	VX045528.D	01 Apr 2025 18:15	JC/MD	Ok,M
6	VSTDIC100	VX045529.D	01 Apr 2025 18:38	JC/MD	Ok,M
7	VSTDIC150	VX045530.D	01 Apr 2025 19:02	JC/MD	Ok,M
8	IBLK	VX045531.D	01 Apr 2025 19:25	JC/MD	Ok
9	VSTDICV050	VX045532.D	01 Apr 2025 19:48	JC/MD	Ok,M
10	BFB	VX045533.D	02 Apr 2025 09:30	JC/MD	Ok
11	VSTDIC050	VX045534.D	02 Apr 2025 10:02	JC/MD	Ok,M
12	VX0402MBL01	VX045535.D	02 Apr 2025 10:30	JC/MD	Ok
13	VX0402WBL01	VX045536.D	02 Apr 2025 10:53	JC/MD	Ok
14	VX0402WBS01	VX045537.D	02 Apr 2025 11:16	JC/MD	Ok,M
15	VX0402WBSD01	VX045538.D	02 Apr 2025 11:44	JC/MD	Ok,M
16	Q1697-01	VX045539.D	02 Apr 2025 12:07	JC/MD	Dilution
17	Q1697-02	VX045540.D	02 Apr 2025 12:30	JC/MD	Dilution
18	IBLK	VX045541.D	02 Apr 2025 12:54	JC/MD	Ok
19	Q1697-01DL	VX045542.D	02 Apr 2025 13:21	JC/MD	Ok
20	Q1697-02DL	VX045543.D	02 Apr 2025 13:44	JC/MD	Ok
21	Q1697-03	VX045544.D	02 Apr 2025 14:07	JC/MD	Not Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM
SubDirectory	VX040225	HP Acquire Method	HP Processing Method 82X040225W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133559,VP133563		
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574		
CCC	VP133564,VP133565		
Internal Standard/PEM			
ICV/I.BLK	VP133575		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1697-04	VX045545.D	02 Apr 2025 14:31	JC/MD	Not Ok
23	Q1697-05	VX045546.D	02 Apr 2025 14:54	JC/MD	Not Ok
24	Q1697-07	VX045547.D	02 Apr 2025 15:18	JC/MD	Not Ok
25	IBLK	VX045548.D	02 Apr 2025 15:41	JC/MD	Ok
26	Q1697-03	VX045549.D	02 Apr 2025 16:04	JC/MD	Ok
27	Q1697-04	VX045550.D	02 Apr 2025 16:27	JC/MD	Ok
28	Q1697-05	VX045551.D	02 Apr 2025 16:51	JC/MD	Ok
29	Q1697-06	VX045552.D	02 Apr 2025 17:14	JC/MD	ReRun
30	Q1623-01	VX045553.D	02 Apr 2025 17:37	JC/MD	Ok
31	Q1623-02	VX045554.D	02 Apr 2025 18:01	JC/MD	Ok
32	Q1623-03	VX045555.D	02 Apr 2025 18:24	JC/MD	Ok
33	Q1623-04	VX045556.D	02 Apr 2025 18:47	JC/MD	Ok
34	VSTDCCC050	VX045557.D	02 Apr 2025 19:10	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX050225

Review By	John Carlone	Review On	5/5/2025 9:53:23 AM
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:51:59 PM
SubDirectory	VX050225	HP Acquire Method	HP Processing Method 82X040225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133802		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133803,VP133804		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046012.D	02 May 2025 08:56	JC/MD	Ok
2	VSTDCCC050	VX046013.D	02 May 2025 09:26	JC/MD	Ok,M
3	VX0502MBL01	VX046014.D	02 May 2025 09:56	JC/MD	Ok
4	VX0502WBL01	VX046015.D	02 May 2025 10:19	JC/MD	Ok
5	VX0502WBS01	VX046016.D	02 May 2025 10:42	JC/MD	Ok,M
6	VX0502WBSD01	VX046017.D	02 May 2025 11:08	JC/MD	Ok,M
7	Q1913-04RE	VX046018.D	02 May 2025 11:31	JC/MD	Confirms
8	Q1916-04	VX046019.D	02 May 2025 11:55	JC/MD	Ok
9	Q1917-04	VX046020.D	02 May 2025 12:18	JC/MD	Ok
10	Q1922-04	VX046021.D	02 May 2025 12:41	JC/MD	Ok
11	Q1922-08	VX046022.D	02 May 2025 13:04	JC/MD	Ok
12	Q1925-01	VX046023.D	02 May 2025 13:28	JC/MD	Ok
13	Q1925-02	VX046024.D	02 May 2025 13:51	JC/MD	Ok,M
14	Q1925-03	VX046025.D	02 May 2025 14:14	JC/MD	Ok,M
15	Q1928-04	VX046026.D	02 May 2025 14:38	JC/MD	Ok
16	Q1929-01	VX046027.D	02 May 2025 15:01	JC/MD	Ok
17	Q1929-05	VX046028.D	02 May 2025 15:25	JC/MD	ReRun
18	Q1929-09	VX046029.D	02 May 2025 15:48	JC/MD	ReRun
19	Q1932-02	VX046030.D	02 May 2025 16:11	JC/MD	Ok
20	Q1932-04	VX046031.D	02 May 2025 16:35	JC/MD	Ok
21	Q1932-06	VX046032.D	02 May 2025 16:58	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX050225

Review By	John Carlone	Review On	5/5/2025 9:53:23 AM
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:51:59 PM
SubDirectory	VX050225	HP Acquire Method	HP Processing Method 82X040225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133802		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133803,VP133804		

22	Q1932-08	VX046033.D	02 May 2025 17:22	JC/MD	Ok
23	Q1935-04	VX046034.D	02 May 2025 17:45	JC/MD	Ok
24	Q1935-08	VX046035.D	02 May 2025 18:09	JC/MD	Ok
25	PB167816TB	VX046036.D	02 May 2025 18:32	JC/MD	Ok
26	VSTDCCC050	VX046037.D	02 May 2025 18:56	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN041525

Review By	John Carlone	Review On	4/16/2025 9:07:40 AM
Supervise By	Semsettin Yesilyurt	Supervise On	4/16/2025 3:44:21 PM
SubDirectory	VN041525	HP Acquire Method	MSVOA_N HP Processing Method 82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133665 VP133667,VP133668,VP133669,VP133670,VP133671,VP133672
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP131746 VP133673

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086276.D	15 Apr 2025 10:47		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086277.D	15 Apr 2025 11:29		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086278.D	15 Apr 2025 12:21	Comp.#13,16 is on Linear Regression	JC\MD	Ok,M
4	VSTDICC010	VSTDICC010	VN086279.D	15 Apr 2025 12:45	Comp.#43 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN086280.D	15 Apr 2025 13:09		JC\MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VN086281.D	15 Apr 2025 13:51		JC\MD	Ok,M
7	VSTDICC100	VSTDICC100	VN086282.D	15 Apr 2025 14:29		JC\MD	Ok,M
8	VIBLK	VIBLK	VN086283.D	15 Apr 2025 15:06		JC\MD	Ok
9	VSTDICV050	ICVVN041525	VN086284.D	15 Apr 2025 15:30		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM
Supervise By	Maresh Dadoda	Supervise On	5/6/2025 12:40:44 PM
SubDirectory	VN050525	HP Acquire Method	HP Processing Method 82N041525W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133808
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133809,VP133810

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086477.D	05 May 2025 10:23		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086478.D	05 May 2025 11:32	pH#Lot#V12668	JC\MD	Ok,M
3	VN0505MBL01	VN0505MBL01	VN086479.D	05 May 2025 12:13		JC\MD	Ok
4	VN0505WBL01	VN0505WBL01	VN086480.D	05 May 2025 12:38		JC\MD	Ok
5	VN0505WBS01	VN0505WBS01	VN086481.D	05 May 2025 13:02		JC\MD	Ok,M
6	VN0505WBSD01	VN0505WBSD01	VN086482.D	05 May 2025 13:36		JC\MD	Ok,M
7	IBLK	IBLK	VN086483.D	05 May 2025 14:00		JC\MD	Ok
8	Q1942-01	STORAGE-BLANK-SO	VN086484.D	05 May 2025 14:24	vial A pH<2	JC\MD	Ok
9	Q1942-02	STORAGE-BLANK-WA	VN086485.D	05 May 2025 14:48	vial A pH<2	JC\MD	Ok
10	Q1942-03	STORAGE-BLANK-WA	VN086486.D	05 May 2025 15:12	vial A pH<2	JC\MD	Ok
11	Q1942-04	STORAGE-BLANK-SAI	VN086487.D	05 May 2025 15:36	vial A pH<2	JC\MD	Ok
12	Q1956-07	FB-05022025	VN086488.D	05 May 2025 16:00	vial A pH<2 FB	JC\MD	Ok
13	Q1929-05RE	WC-A1-03-GRE	VN086489.D	05 May 2025 16:25	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
14	Q1929-09RE	WC-A1-04-GRE	VN086490.D	05 May 2025 16:49	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
15	VN0505MBS01	VN0505MBS01	VN086491.D	05 May 2025 17:13		JC\MD	Ok,M
16	VN0505MBSD01	VN0505MBSD01	VN086492.D	05 May 2025 17:37		JC\MD	Ok,M
17	Q1914-06ME	SS-5ME	VN086493.D	05 May 2025 18:01	run straight meoh	JC\MD	Not Ok
18	Q1914-07ME	SS-6ME	VN086494.D	05 May 2025 18:25	run straight meoh	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN050525

Review By	John Carlone	Review On	5/6/2025 10:01:09 AM
Supervise By	Maresh Dadoda	Supervise On	5/6/2025 12:40:44 PM
SubDirectory	VN050525	HP Acquire Method	HP Processing Method 82N041525W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133808		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133809,VP133810		

19	Q1914-08	SS-7	VN086495.D	05 May 2025 18:49	run straight meoh	JC\MD	Not Ok
20	Q1914-09ME	SS-8ME	VN086496.D	05 May 2025 19:14	run straight meoh	JC\MD	Ok
21	Q1914-12	SS-9	VN086497.D	05 May 2025 19:38	run soil	JC\MD	Not Ok
22	IBLK	IBLK	VN086498.D	05 May 2025 20:02		JC\MD	Ok
23	Q1939-03	GB2	VN086499.D	05 May 2025 20:26	Need Straight Run	JC\MD	Not Ok
24	Q1939-06	GB3B	VN086500.D	05 May 2025 20:50		JC\MD	Ok
25	IBLK	IBLK	VN086501.D	05 May 2025 21:14		JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN086502.D	05 May 2025 21:38		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM
SubDirectory	VX040225	HP Acquire Method	HP Processing Method 82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133559,VP133563
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574
CCC	VP133564,VP133565
Internal Standard/PEM	
ICV/I.BLK	VP133575
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045524.D	01 Apr 2025 16:15		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX045525.D	01 Apr 2025 17:06	%D failed for Comp. #53 in 01PPB	JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX045526.D	01 Apr 2025 17:29		JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX045527.D	01 Apr 2025 17:52		JC/MD	Ok,M
5	VSTDIC050	VSTDIC050	VX045528.D	01 Apr 2025 18:15		JC/MD	Ok,M
6	VSTDIC100	VSTDIC100	VX045529.D	01 Apr 2025 18:38		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX045530.D	01 Apr 2025 19:02		JC/MD	Ok,M
8	IBLK	IBLK	VX045531.D	01 Apr 2025 19:25		JC/MD	Ok
9	VSTDICV050	ICVVX040225	VX045532.D	01 Apr 2025 19:48		JC/MD	Ok,M
10	BFB	BFB	VX045533.D	02 Apr 2025 09:30		JC/MD	Ok
11	VSTDIC050	VSTDIC050	VX045534.D	02 Apr 2025 10:02	pH#Lot#V12668	JC/MD	Ok,M
12	VX0402MBL01	VX0402MBL01	VX045535.D	02 Apr 2025 10:30		JC/MD	Ok
13	VX0402WBL01	VX0402WBL01	VX045536.D	02 Apr 2025 10:53		JC/MD	Ok
14	VX0402WBS01	VX0402WBS01	VX045537.D	02 Apr 2025 11:16		JC/MD	Ok,M
15	VX0402WBSD01	VX0402WBSD01	VX045538.D	02 Apr 2025 11:44		JC/MD	Ok,M
16	Q1697-01	MW-19B-72-040125	VX045539.D	02 Apr 2025 12:07	vial A pH<2 Need 200X	JC/MD	Dilution
17	Q1697-02	IW-01-55-040125	VX045540.D	02 Apr 2025 12:30	vial A pH<2 Need 10X	JC/MD	Dilution

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX040225

Review By	John Carlone	Review On	4/2/2025 9:42:46 AM
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:39 PM
SubDirectory	VX040225	HP Acquire Method	HP Processing Method 82X040225W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133559,VP133563		
Initial Calibration Stds	VP133569,VP133570,VP133571,VP133572,VP133573,VP133574		
CCC	VP133564,VP133565		
Internal Standard/PEM			
ICV/I.BLK	VP133575		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	IBLK	IBLK	VX045541.D	02 Apr 2025 12:54		JC/MD	Ok
19	Q1697-01DL	MW-19B-72-040125DL	VX045542.D	02 Apr 2025 13:21	vial B pH<2	JC/MD	Ok
20	Q1697-02DL	IW-01-55-040125DL	VX045543.D	02 Apr 2025 13:44	vial B pH<2	JC/MD	Ok
21	Q1697-03	IW-02-55-040125	VX045544.D	02 Apr 2025 14:07	Need lower dilution	JC/MD	Not Ok
22	Q1697-04	IW-02-55-040125-FD	VX045545.D	02 Apr 2025 14:31	Need lower dilution	JC/MD	Not Ok
23	Q1697-05	IW-03-55-040125	VX045546.D	02 Apr 2025 14:54	Need lower dilution	JC/MD	Not Ok
24	Q1697-07	MW-19B-72-040125	VX045547.D	02 Apr 2025 15:18	Not On Login	JC/MD	Not Ok
25	IBLK	IBLK	VX045548.D	02 Apr 2025 15:41		JC/MD	Ok
26	Q1697-03	IW-02-55-040125	VX045549.D	02 Apr 2025 16:04	vial A pH<2	JC/MD	Ok
27	Q1697-04	IW-02-55-040125-FD	VX045550.D	02 Apr 2025 16:27	vial A pH<2	JC/MD	Ok
28	Q1697-05	IW-03-55-040125	VX045551.D	02 Apr 2025 16:51	vial A pH<2	JC/MD	Ok
29	Q1697-06	TB-01-040125	VX045552.D	02 Apr 2025 17:14	vial A pH<2 TB;Hit of comp.#44	JC/MD	ReRun
30	Q1623-01	Storage-Blank-SOIL-RE	VX045553.D	02 Apr 2025 17:37	vial A pH<2	JC/MD	Ok
31	Q1623-02	Storage-Blank-WATER	VX045554.D	02 Apr 2025 18:01	vial A pH<2	JC/MD	Ok
32	Q1623-03	Storage-Blank-WATER	VX045555.D	02 Apr 2025 18:24	vial A pH<2	JC/MD	Ok
33	Q1623-04	Storage-Blank-SAMPLE	VX045556.D	02 Apr 2025 18:47	vial A pH<2	JC/MD	Ok
34	VSTDCCC050	VSTDCCC050EC	VX045557.D	02 Apr 2025 19:10		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX050225

Review By	John Carlone	Review On	5/5/2025 9:53:23 AM
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:51:59 PM
SubDirectory	VX050225	HP Acquire Method	HP Processing Method 82X040225W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP133802
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133803,VP133804

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046012.D	02 May 2025 08:56		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046013.D	02 May 2025 09:26	pH#Lot#V12668	JC/MD	Ok,M
3	VX0502MBL01	VX0502MBL01	VX046014.D	02 May 2025 09:56		JC/MD	Ok
4	VX0502WBL01	VX0502WBL01	VX046015.D	02 May 2025 10:19		JC/MD	Ok
5	VX0502WBS01	VX0502WBS01	VX046016.D	02 May 2025 10:42		JC/MD	Ok,M
6	VX0502WBSD01	VX0502WBSD01	VX046017.D	02 May 2025 11:08		JC/MD	Ok,M
7	Q1913-04RE	WC-13-A-202504RE	VX046018.D	02 May 2025 11:31	vial B pH#5.0, Surrogate Fail	JC/MD	Confirms
8	Q1916-04	WC-12	VX046019.D	02 May 2025 11:55	vial A pH#5.0	JC/MD	Ok
9	Q1917-04	MH-JJ	VX046020.D	02 May 2025 12:18	vial A pH#5.0	JC/MD	Ok
10	Q1922-04	MH-R	VX046021.D	02 May 2025 12:41	vial A pH#5.0	JC/MD	Ok
11	Q1922-08	MH-S	VX046022.D	02 May 2025 13:04	vial A pH#5.0	JC/MD	Ok
12	Q1925-01	AUD-25-0068	VX046023.D	02 May 2025 13:28	vial A pH#5.0	JC/MD	Ok
13	Q1925-02	AUD-25-0069	VX046024.D	02 May 2025 13:51	vial A pH#5.0	JC/MD	Ok,M
14	Q1925-03	AUD-25-0070	VX046025.D	02 May 2025 14:14	vial A pH#5.0	JC/MD	Ok,M
15	Q1928-04	MH-Q	VX046026.D	02 May 2025 14:38	vial A pH#5.0	JC/MD	Ok
16	Q1929-01	WC-A4-02-G	VX046027.D	02 May 2025 15:01	vial A pH#5.0	JC/MD	Ok
17	Q1929-05	WC-A1-03-G	VX046028.D	02 May 2025 15:25	vial A pH#5.0 Surrogate Fail	JC/MD	ReRun
18	Q1929-09	WC-A1-04-G	VX046029.D	02 May 2025 15:48	vial A pH#5.0 Surrogate Fail	JC/MD	ReRun

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX050225

Review By	John Carlone	Review On	5/5/2025 9:53:23 AM
Supervise By	Semsettin Yesilyurt	Supervise On	5/5/2025 2:51:59 PM
SubDirectory	VX050225	HP Acquire Method	HP Processing Method 82X040225W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133802		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133803,VP133804		

19	Q1932-02	COMP-4	VX046030.D	02 May 2025 16:11	vial A pH#5.0	JC/MD	Ok
20	Q1932-04	COMP-5	VX046031.D	02 May 2025 16:35	vial A pH#5.0	JC/MD	Ok
21	Q1932-06	COMP-6	VX046032.D	02 May 2025 16:58	vial A pH#5.0	JC/MD	Ok
22	Q1932-08	COMP-7	VX046033.D	02 May 2025 17:22	vial A pH#5.0	JC/MD	Ok
23	Q1935-04	MH-NN	VX046034.D	02 May 2025 17:45	vial A pH#5.0	JC/MD	Ok
24	Q1935-08	MH-MM	VX046035.D	02 May 2025 18:09	vial A pH#5.0	JC/MD	Ok
25	PB167816TB	PB167816TB	VX046036.D	02 May 2025 18:32		JC/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VX046037.D	02 May 2025 18:56		JC/MD	Ok,M

M : Manual Integration

SOP ID : M1311-TCLP-15
SDG No : N/A
Weigh By : JP
Balance ID : WC SC-7
pH Meter ID : WC PH METER-1
Extraction By : JP
Filter By : JP
Pipette ID : WC
Tumbler ID : ZHE-1 / ZHE-2
TCLP Filter ID : 50223706

Start Prep Date : 05/01/2025 Time : 16:40
End Prep Date : 05/02/2025 Time : 10:30
Combination Ratio : 20
ZHE Cleaning Batch : ~~N/A~~ VN050225
Initial Room Temperature : 23 °C
Final Room Temperature : 22 °C
TCLP Technician Signature : JP
Supervisor By : RM

Standard Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	430992	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE SAMPLES are extracted and given as vial A & B. Leak checked after 10 minutes of tumbling. TUMBLER ZHE- /ZHE-2 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
05/02/25 11:40	JP / HUP Room	MD 100C
	Preparation Group	Analysis Group RM

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB167816TB	LEB816	18	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-2
Q1916-04	WC-12	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1917-04	MH-JJ	02	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1922-04	MH-R	03	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1922-08	MH-S	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1925-01	AUD-25-0068	05	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1925-02	AUD-25-0069	06	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1925-03	AUD-25-0070	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1928-04	MH-Q	08	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1929-01	WC-AA-02-G	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1929-05	WC-AA-03-G	10	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q1929-09	WC-AA-04-G	11	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q1932-02	COMP-4	12	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q1932-04	COMP-5	13	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q1932-06	COMP-6	14	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q1932-08	COMP-7	15	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q1935-04	MH-NN	16	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q1935-08	MH-MM	17	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167816TB	LEB816	N/A	N/A	N/A	N/A	N/A	N/A
Q1916-04	WC-12	N/A	N/A	N/A	N/A	100	N/A
Q1917-04	MH-JJ	N/A	N/A	N/A	N/A	100	N/A
Q1922-04	MH-R	N/A	N/A	N/A	N/A	100	N/A
Q1922-08	MH-S	N/A	N/A	N/A	N/A	100	N/A
Q1925-01	AUD-25-0068	N/A	N/A	N/A	N/A	100	N/A
Q1925-02	AUD-25-0069	N/A	N/A	N/A	N/A	100	N/A
Q1925-03	AUD-25-0070	N/A	N/A	N/A	N/A	100	N/A
Q1928-04	MH-Q	N/A	N/A	N/A	N/A	100	N/A
Q1929-01	WC-AA-02-G	N/A	N/A	N/A	N/A	100	N/A
Q1929-05	WC-AA-03-G	N/A	N/A	N/A	N/A	100	N/A
Q1929-09	WC-AA-04-G	N/A	N/A	N/A	N/A	100	N/A
Q1932-02	COMP-4	N/A	N/A	N/A	N/A	100	N/A
Q1932-04	COMP-5	N/A	N/A	N/A	N/A	100	N/A
Q1932-06	COMP-6	N/A	N/A	N/A	N/A	100	N/A
Q1932-08	COMP-7	N/A	N/A	N/A	N/A	100	N/A
Q1935-04	MH-NN	N/A	N/A	N/A	N/A	100	N/A
Q1935-08	MH-MM	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcpl zhe q1928

WorkList ID : 189258

Department : TCLP Extraction

Date : 05-01-2025 11:13:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1916-04	WC-12	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	04/30/2025	1311 ZHE
Q1917-04	MH-JJ	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	04/30/2025	1311 ZHE
Q1922-04	MH-R	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	04/30/2025	1311 ZHE
Q1922-08	MH-S	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	04/30/2025	1311 ZHE
Q1925-01	AUD-25-0068	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	04/30/2025	1311 ZHE
Q1925-02	AUD-25-0069	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	04/30/2025	1311 ZHE
Q1925-03	AUD-25-0070	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	04/30/2025	1311 ZHE
Q1928-04	MH-Q	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	04/30/2025	1311 ZHE
Q1929-01	WC-AA-02-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/01/2025	1311 ZHE
Q1929-05	WC-AA-03-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L41	05/29/2025	1311 ZHE
Q1929-09	WC-AA-04-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L41	05/30/2025	1311 ZHE
Q1932-02	COMP-4	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	L41	05/30/2025	1311 ZHE
Q1932-04	COMP-5	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/01/2025	1311 ZHE
Q1932-06	COMP-6	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/01/2025	1311 ZHE
Q1932-08	COMP-7	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/01/2025	1311 ZHE
Q1935-04	MH-NN	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/01/2025	1311 ZHE
Q1935-08	MH-MM	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/01/2025	1311 ZHE

Date/Time 05/01/25 14:30

Raw Sample Received by: rsb gpc

Raw Sample Relinquished by: gpc (sm)

Date/Time 05/01/25

Raw Sample Received by: gpc (sm)

Raw Sample Relinquished by: gpc



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:

Q1929

COC Number: 2042113

Page 1 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY: Jersey City STATE: NJ ZIP: 07302
ATTENTION: Austin Farmerie
PHONE: 570-886-0442 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

TCLP VOCs	TCLP ICP Metals	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease
1	2	3	4	5	6	7	8	9

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: 3 DAYS*
EDD 3 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	E	E	E	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	
1.	WC-A4-02-G	Soil		X	4/29	12:00	1									
2.	WC-A4-02-C	Soil	X		4/29	12:00	11	X	X	X	X	X	X	X	X	
3.	WC-A1-03-G	Soil		X	4/30	12:00	1									
4.	WC-A1-03-C	Soil	X		4/30	12:00	11	X	X	X	X	X	X	X	X	
5.	WC-A1-04-G	Soil		X	4/30	12:00	1									
6.	WC-A1-04-C	Soil	X		4/30	12:00	11	X	X	X	X	X	X	X	X	
7.																
8.																
9.																
10.																

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 5/1 12:00	RECEIVED BY 	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 5.3°C ☐ Ice in Cooler? y
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY	Comments: Adjust factor H in gun #1
RELINQUISHED BY 3.	DATE/TIME 5/1/25 12:00	RECEIVED FOR LAB BY	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) 788-9222
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CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q1929

COC Number: 2042113

Page 2 of 2

CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY Jersey City STATE: NJ ZIP: 07302
ATTENTION: Austin Farmerie
PHONE: 570-886-0442 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

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: 3 DAYS*
EDD 3 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

ANALYSIS

ASTM COD	ASTM Ammonia-Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter		
10	11	12	13	14	15	16		

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	E	E	E	E	E	E	E			<-- 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.	WC-A4-02-G	Soil		X	4/29	12:00	1										
2.	WC-A4-02-C	Soil	X		4/29	12:00	11	X	X	X	X	X	X	X			
3.	WC-A1-03-G	Soil		X	4/30	12:00	1										
4.	WC-A1-03-C	Soil	X		4/30	12:00	11	X	X	X	X	X	X	X			
5.	WC-A1-04-G	Soil		X	4/30	12:00	1										
6.	WC-A1-04-C	Soil	X		4/30	12:00	11	X	X	X	X	X	X	X			
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 5/1/25 1030	RECEIVED BY 	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 5.3°C ☐ Ice in Cooler? y
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	Comments: Adjust factor +1 for new #1
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight Page _____ of _____
			Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY

Laboratory Certification

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