

Cover Page

Order ID : Q2836

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

Client : ENTACT

Lab Sample Number

Q2836-01
Q2836-02
Q2836-03
Q2836-04
Q2836-05
Q2836-06
Q2836-07
Q2836-08
Q2836-09
Q2836-10
Q2836-11
Q2836-12
Q2836-13
Q2836-14
Q2836-15
Q2836-16

Client Sample Number

WC-A2-15-G
WC-A2-15-C
WC-A2-15-C
WC-A2-15-C
WC-A2-16-G
WC-A2-16-C
WC-A2-16-C
WC-A2-16-C
WC-A2-17-G
WC-A2-17-C
WC-A2-17-C
WC-A2-17-C
WC-A5-02-G
WC-A5-02-C
WC-A5-02-C
WC-A5-02-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: 8/21/2025

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 #: Q2836

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: 08/21/2025

LAB CHRONICLE

OrderID:	Q2836	OrderDate:	8/12/2025 12:23:00 PM
Client:	ENTACT	Project:	540 Degraw St, Brooklyn, NY - E9309
Contact:	Austin Farmerie	Location:	J23

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2836-01	WC-A2-15-G	TCLP			08/12/25			08/12/25
			TCLP VOA	8260D			08/14/25	
Q2836-05	WC-A2-16-G	TCLP			08/12/25			08/12/25
			TCLP VOA	8260D			08/14/25	
Q2836-09	WC-A2-17-G	TCLP			08/12/25			08/12/25
			TCLP VOA	8260D			08/14/25	
Q2836-13	WC-A5-02-G	TCLP			08/12/25			08/12/25
			TCLP VOA	8260D			08/14/25	

Hit Summary Sheet
SW-846

SDG No.: Q2836

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q2836-01	WC-A2-15-G WC-A2-15-G	TCLP	2-Butanone	0.010	J	0.00098	0.025	mg/L
			Total Voc :	0.010				
			Total Concentration:	0.010				
Client ID: Q2836-05	WC-A2-16-G WC-A2-16-G	TCLP	2-Butanone	0.010	J	0.00098	0.025	mg/L
			Total Voc :	0.010				
			Total Concentration:	0.010				
Client ID: Q2836-09	WC-A2-17-G WC-A2-17-G	TCLP	2-Butanone	0.011	J	0.00098	0.025	mg/L
			Total Voc :	0.011				
			Total Concentration:	0.011				
Client ID: Q2836-13	WC-A5-02-G WC-A5-02-G	TCLP	2-Butanone	0.0095	J	0.00098	0.025	mg/L
			Total Voc :	0.0095				
			Total Concentration:	0.0095				



QC SUMMARY

Surrogate Summary

SDG No.: Q2836

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2836-01	WC-A2-15-G	1,2-Dichloroethane-d4	50	56.8	114		70 (74)	130 (125)
		Dibromofluoromethane	50	42.0	84		70 (75)	130 (124)
		Toluene-d8	50	46.0	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.1	88		70 (77)	130 (121)
Q2836-05	WC-A2-16-G	1,2-Dichloroethane-d4	50	53.8	108		70 (74)	130 (125)
		Dibromofluoromethane	50	41.0	82		70 (75)	130 (124)
		Toluene-d8	50	45.0	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.6	87		70 (77)	130 (121)
Q2836-09	WC-A2-17-G	1,2-Dichloroethane-d4	50	54.4	109		70 (74)	130 (125)
		Dibromofluoromethane	50	41.5	83		70 (75)	130 (124)
		Toluene-d8	50	45.3	91		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.4	87		70 (77)	130 (121)
Q2836-13	WC-A5-02-G	1,2-Dichloroethane-d4	50	57.5	115		70 (74)	130 (125)
		Dibromofluoromethane	50	41.1	82		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.4	91		70 (77)	130 (121)

Surrogate Summary

SDG No.: Q2836

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VN0814WBL01	VN0814WBL01	1,2-Dichloroethane-d4	50	52.9	106		70 (74)	130 (125)
		Dibromofluoromethane	50	44.2	88		70 (75)	130 (124)
		Toluene-d8	50	44.2	88		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.7	87		70 (77)	130 (121)
VN0814WBS01	VN0814WBS01	1,2-Dichloroethane-d4	50	57.6	115		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	50.7	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.9	106		70 (77)	130 (121)
VN0814WBSD0	VN0814WBSD01	1,2-Dichloroethane-d4	50	57.6	115		70 (74)	130 (125)
		Dibromofluoromethane	50	49.6	99		70 (75)	130 (124)
		Toluene-d8	50	49.7	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.6	99		70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2836</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ENTACT</u>	Datafile :	<u>VN087555.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0814WBS01	Vinyl chloride	20	21.4	ug/L	107			70 (65)	130 (117)	
	1,1-Dichloroethene	20	20.6	ug/L	103			70 (74)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.2	ug/L	96			70 (77)	130 (113)	
	Chloroform	20	22.4	ug/L	112			70 (79)	130 (113)	
	Benzene	20	20.3	ug/L	102			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.5	ug/L	108			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	Tetrachloroethene	20	18.1	ug/L	91			70 (67)	130 (123)	
	Chlorobenzene	20	19.2	ug/L	96			70 (82)	130 (109)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2836</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>ENTACT</u>	Datafile :	<u>VN087556.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0814WBSD01	Vinyl chloride	20	21.9	ug/L	110	3		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	20.0	ug/L	100	3		70 (74)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	19.2	ug/L	96	0		70 (77)	130 (113)	20 (15)
	Chloroform	20	22.3	ug/L	112	0		70 (79)	130 (113)	20 (20)
	Benzene	20	19.8	ug/L	99	3		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	21.7	ug/L	109	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.9	ug/L	95	1		70 (77)	130 (113)	20 (15)
	Tetrachloroethene	20	18.5	ug/L	93	2		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	19.1	ug/L	96	0		70 (82)	130 (109)	20 (15)

VOLATILE METHOD BLANK SUMMARY

Client ID

VN0814WBL01

Lab Name: Alliance

Contract: ENTA05

Lab Code: ACE

SDG NO.: Q2836

Lab File ID: VN087554.D

Lab Sample ID: VN0814WBL01

Date Analyzed: 08/14/2025

Time Analyzed: 10:32

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
VN0814WBS01	VN0814WBS01	VN087555.D	08/14/2025
VN0814WBSD01	VN0814WBSD01	VN087556.D	08/14/2025
WC-A2-15-G	Q2836-01	VN087559.D	08/14/2025
WC-A2-16-G	Q2836-05	VN087560.D	08/14/2025
WC-A2-17-G	Q2836-09	VN087561.D	08/14/2025
WC-A5-02-G	Q2836-13	VN087562.D	08/14/2025

COMMENTS: _____



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ENTA05

Lab Code: ACE

SDG NO.: Q2836

Lab File ID: VN087327.D

BFB Injection Date: 07/16/2025

Instrument ID: MSVOA_N

BFB Injection Time: 16:10

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	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	3.6 (5.1) 1
176	95.0 - 101.0% of mass 174	68.7 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN087328.D	07/16/2025	17:05
VSTDIC005	VSTDIC005	VN087329.D	07/16/2025	17:27
VSTDIC020	VSTDIC020	VN087330.D	07/16/2025	17:49
VSTDIC050	VSTDIC050	VN087331.D	07/16/2025	18:11
VSTDIC100	VSTDIC100	VN087332.D	07/16/2025	18:32
VSTDIC150	VSTDIC150	VN087333.D	07/16/2025	18:54



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: ENTA05

Lab Code: ACE

SDG NO.: Q2836

Lab File ID: VN087551.D

BFB Injection Date: 08/14/2025

Instrument ID: MSVOA_N

BFB Injection Time: 09:01

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	23.8
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.6
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	65.2
175	5.0 - 9.0% of mass 174	4.4 (6.8) 1
176	95.0 - 101.0% of mass 174	64.4 (98.8) 1
177	5.0 - 9.0% of mass 176	4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087552.D	08/14/2025	09:34
VN0814WBL01	VN0814WBL01	VN087554.D	08/14/2025	10:32
VN0814WBS01	VN0814WBS01	VN087555.D	08/14/2025	11:07
VN0814WBSD01	VN0814WBSD01	VN087556.D	08/14/2025	11:41
WC-A2-15-G	Q2836-01	VN087559.D	08/14/2025	12:46
WC-A2-16-G	Q2836-05	VN087560.D	08/14/2025	13:08
WC-A2-17-G	Q2836-09	VN087561.D	08/14/2025	13:30
WC-A5-02-G	Q2836-13	VN087562.D	08/14/2025	13:52

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENTA05
 Lab Code: ACE SDG NO.: Q2836
 Lab File ID: VN087552.D Date Analyzed: 08/14/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:34
 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	271352	8.21	543098	9.08	500619	11.85
UPPER LIMIT	542704	8.712	1086200	9.582	1001240	12.347
LOWER LIMIT	135676	7.712	271549	8.582	250310	11.347
EPA SAMPLE NO.						
WC-A2-15-G	226661	8.21	511347	9.08	472747	11.85
WC-A2-16-G	240660	8.21	521243	9.09	482653	11.85
WC-A2-17-G	230973	8.21	508871	9.09	471064	11.85
WC-A5-02-G	231781	8.21	518724	9.08	481565	11.85
VN0814WBL01	284398	8.21	560321	9.08	503771	11.85
VN0814WBS01	250453	8.21	485218	9.08	446518	11.85
VN0814WBSD01	252284	8.21	487917	9.08	437708	11.85

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENTA05
 Lab Code: ACE SDG NO.: Q2836
 Lab File ID: VN087552.D Date Analyzed: 08/14/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:34
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	255173	13.77				
UPPER LIMIT	510346	14.27				
LOWER LIMIT	127587	13.27				
EPA SAMPLE NO.						
WC-A2-15-G	218306	13.77				
WC-A2-16-G	220545	13.77				
WC-A2-17-G	211812	13.77				
WC-A5-02-G	225522	13.77				
VN0814WBL01	234765	13.77				
VN0814WBS01	221983	13.77				
VN0814WBSD01	219431	13.77				

IS4 = 1,4-Dichlorobenzene-d4

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

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



SAMPLE DATA

Report of Analysis

Client:	ENTACT	Date Collected:	08/12/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	08/12/25
Client Sample ID:	WC-A2-15-G	SDG No.:	Q2836
Lab Sample ID:	Q2836-01	Matrix:	TCLP
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VN087559.D	1	08/14/25 12:46	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.010	J	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	42.0		70 (75) - 130 (124)	84%	SPK: 50
2037-26-5	Toluene-d8	46.0		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.1		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	227000	8.212			
540-36-3	1,4-Difluorobenzene	511000	9.082			
3114-55-4	Chlorobenzene-d5	473000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	218000	13.77			

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\VN081425\
 Data File : VN087559.D
 Acq On : 14 Aug 2025 12:46
 Operator : JC\MD
 Sample : Q2836-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-15-G

Quant Time: Aug 14 15:24:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

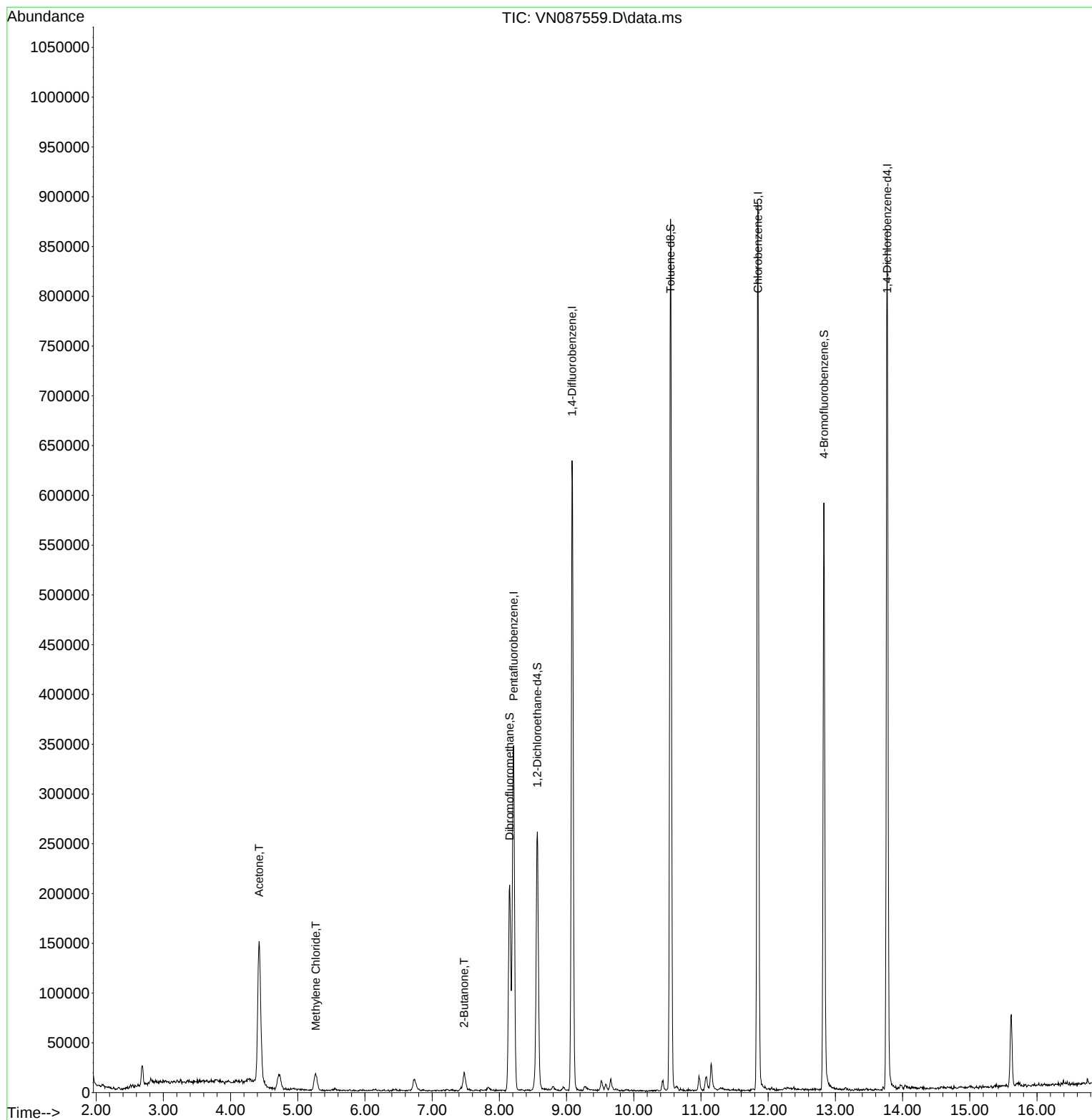
Internal Standards						
1) Pentafluorobenzene	8.212	168	226661	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.082	114	511347	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	472747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	218306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	218331	56.769	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	113.540%	
35) Dibromofluoromethane	8.153	113	148290	42.041	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	84.080%	
50) Toluene-d8	10.547	98	578308	45.962	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	91.920%	
62) 4-Bromofluorobenzene	12.829	95	205019	44.104	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	88.200%	
Target Compounds						
						Qvalue
16) Acetone	4.424	43	283576	157.258	ug/l	98
20) Methylene Chloride	5.271	84	11888	3.302	ug/l	# 84
25) 2-Butanone	7.477	43	28655	10.285	ug/l	99

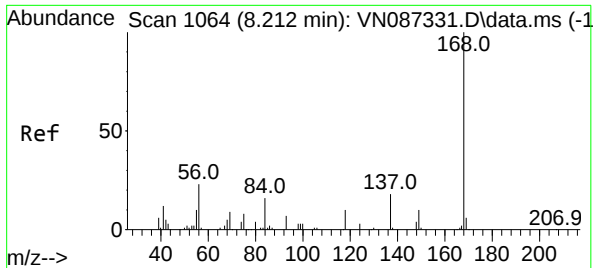
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087559.D
Acq On : 14 Aug 2025 12:46
Operator : JC\MD
Sample : Q2836-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-15-G

Quant Time: Aug 14 15:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

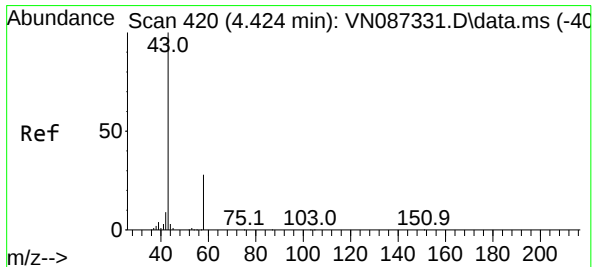
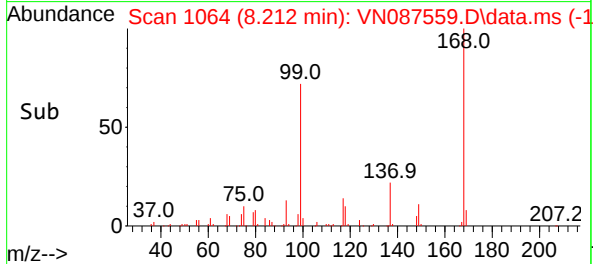
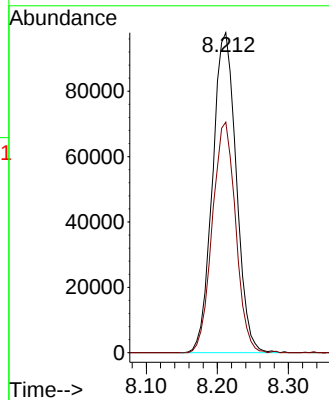
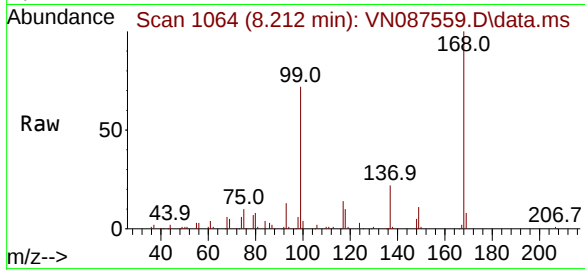




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

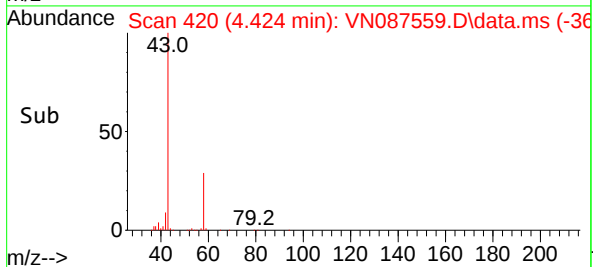
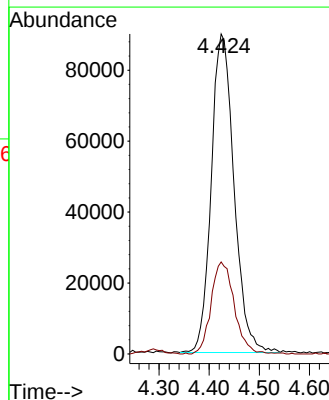
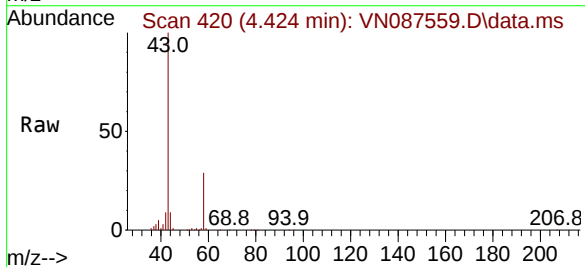
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-15-G

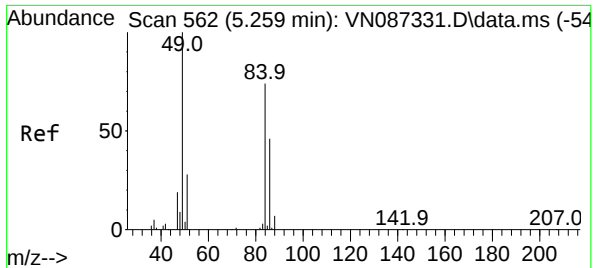
Tgt Ion:168 Resp: 226661
Ion Ratio Lower Upper
168 100
99 72.0 47.9 71.9#



#16
Acetone
Concen: 157.258 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 43 Resp: 283576
Ion Ratio Lower Upper
43 100
58 28.9 22.3 33.5

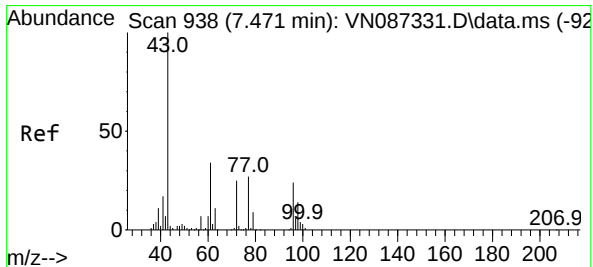
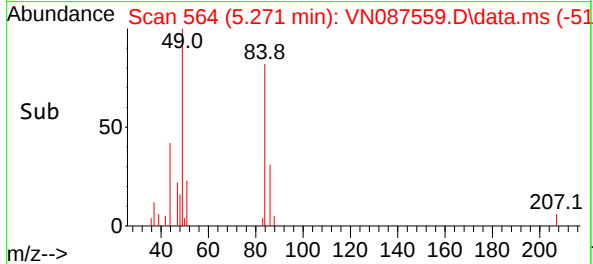
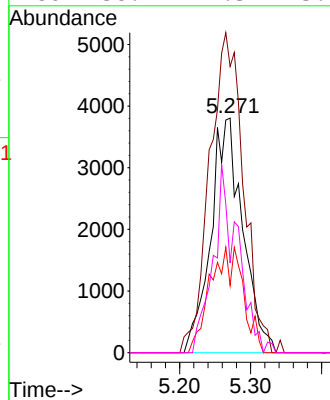
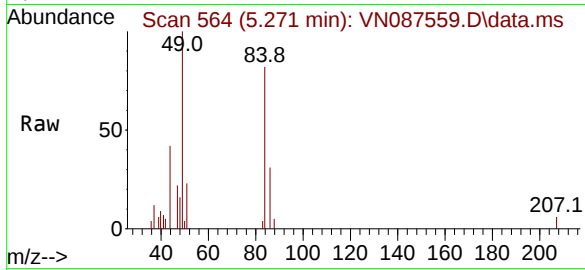




#20
Methylene Chloride
Concen: 3.302 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

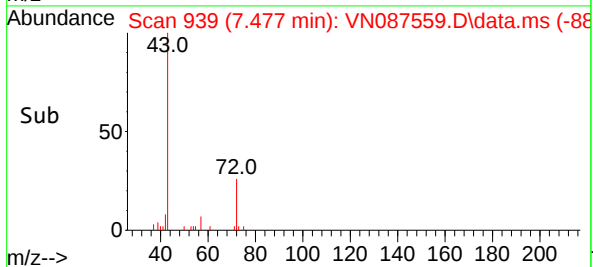
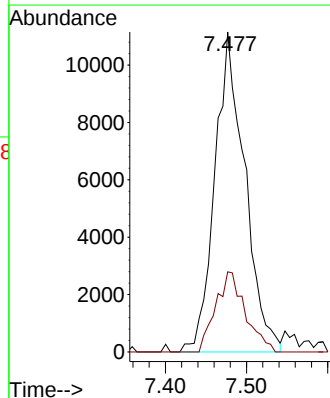
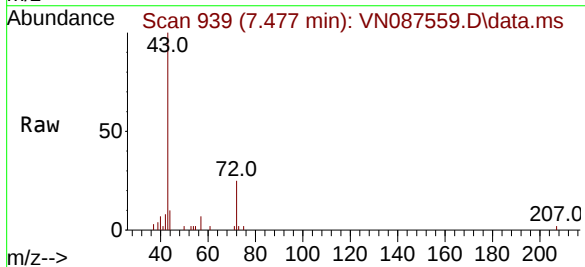
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-15-G

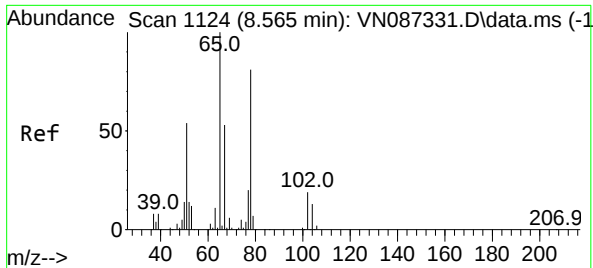
Tgt Ion:	84	Resp:	11888
Ion	Ratio	Lower	Upper
84	100		
49	122.0	107.5	161.3
51	28.7	30.2	45.2#
86	38.2	49.3	73.9#



#25
2-Butanone
Concen: 10.285 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Tgt Ion:	43	Resp:	28655
Ion	Ratio	Lower	Upper
43	100		
72	25.0	19.6	29.4





#33

1,2-Dichloroethane-d4

Concen: 56.769 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087559.D

Acq: 14 Aug 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

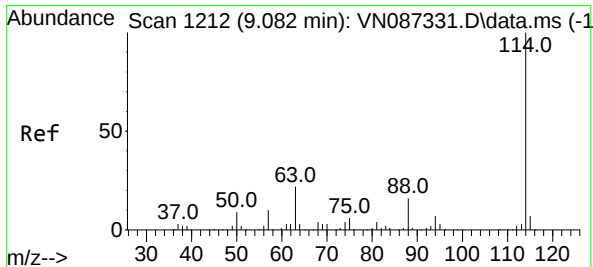
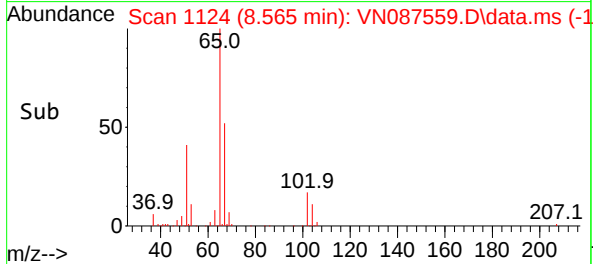
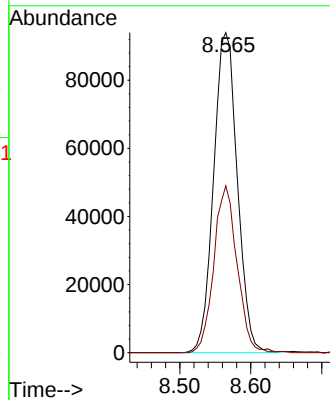
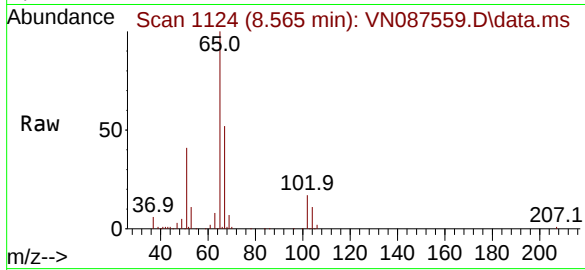
WC-A2-15-G

Tgt Ion: 65 Resp: 218331

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087559.D

Acq: 14 Aug 2025 12:46

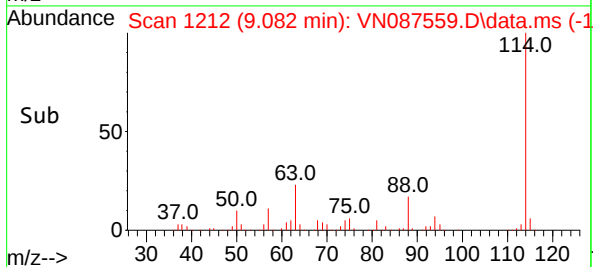
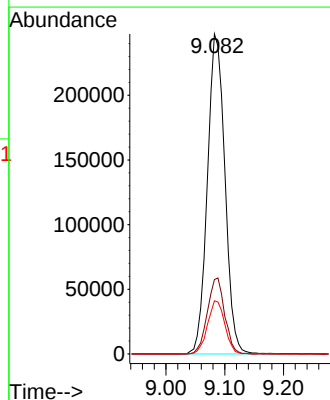
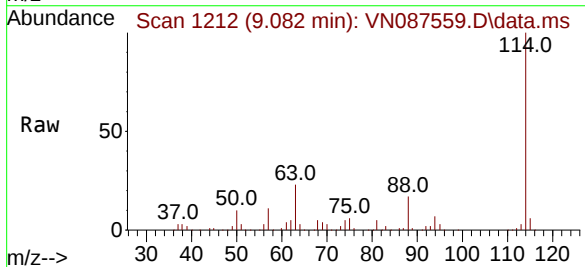
Tgt Ion: 114 Resp: 511347

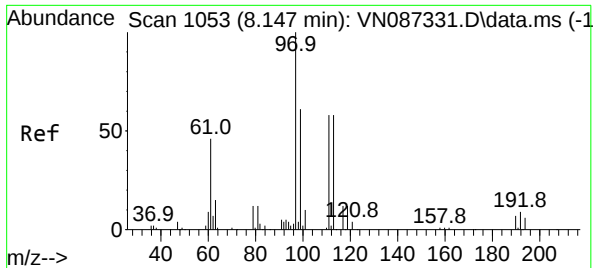
Ion Ratio Lower Upper

114 100

63 23.3 0.0 44.6

88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 42.041 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087559.D

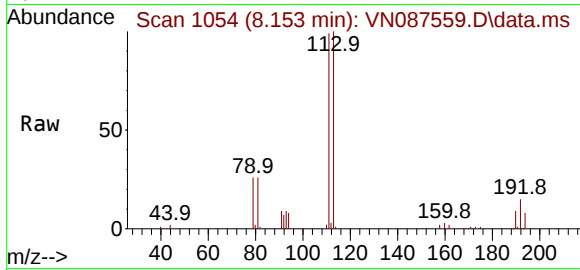
Acq: 14 Aug 2025 12:46

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-15-G



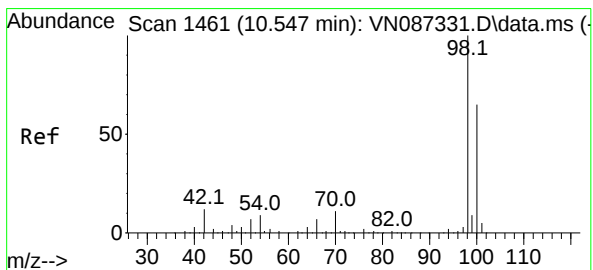
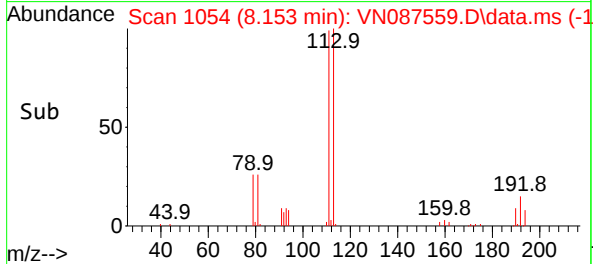
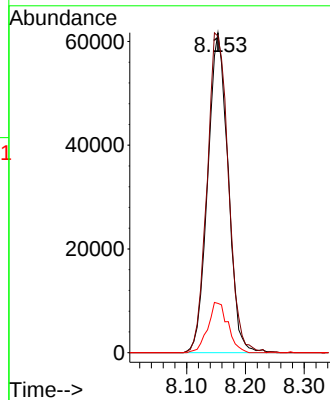
Tgt Ion:113 Resp: 148290

Ion Ratio Lower Upper

113 100

111 104.8 82.5 123.7

192 15.4 13.7 20.5



#50

Toluene-d8

Concen: 45.962 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087559.D

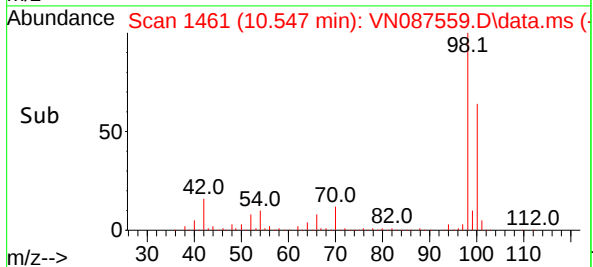
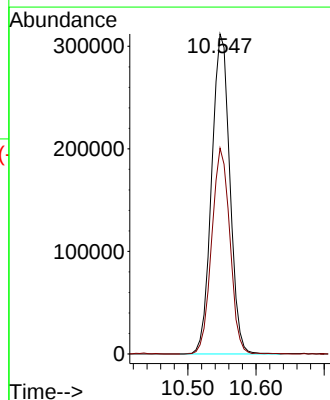
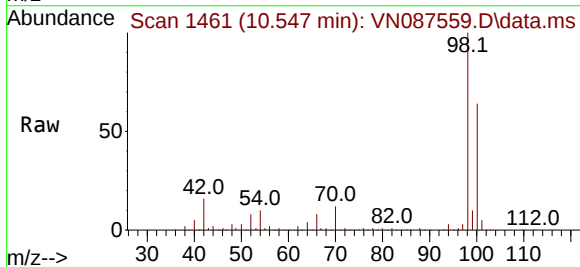
Acq: 14 Aug 2025 12:46

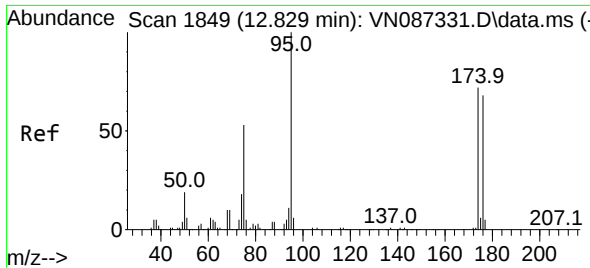
Tgt Ion: 98 Resp: 578308

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1

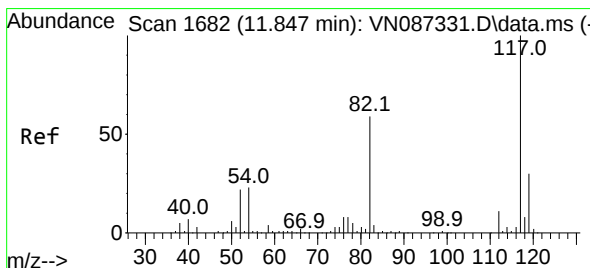
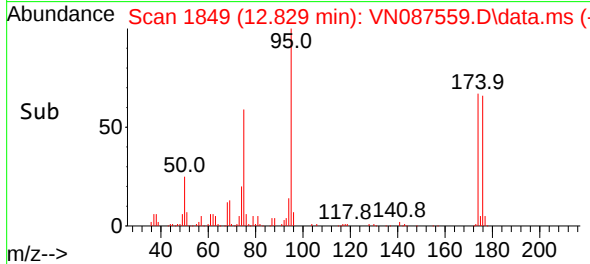
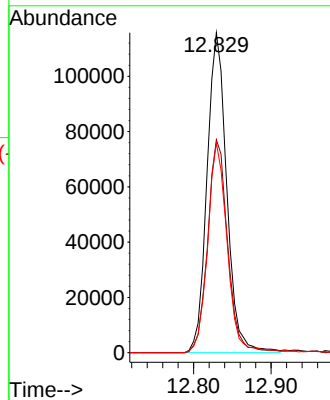
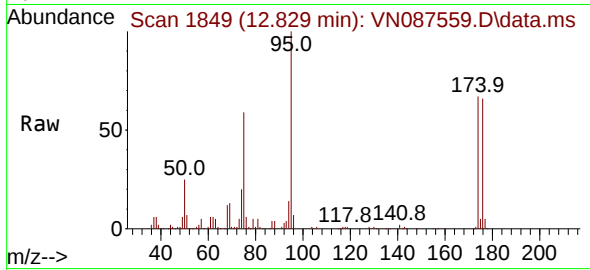




#62
4-Bromofluorobenzene
Concen: 44.104 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

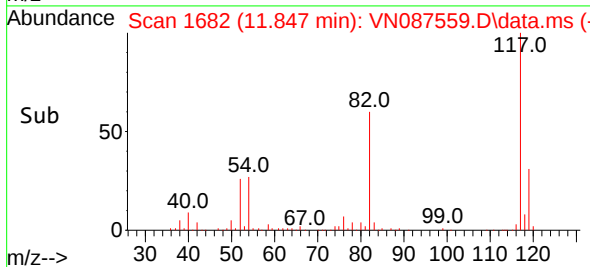
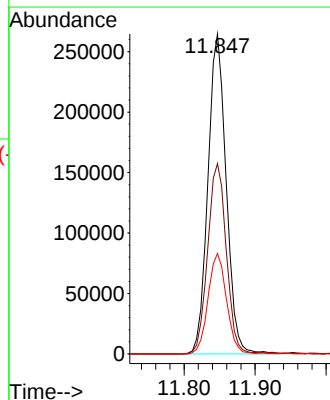
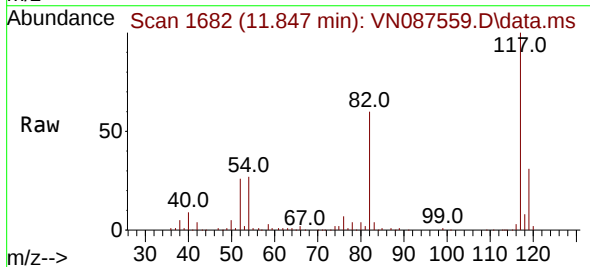
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-15-G

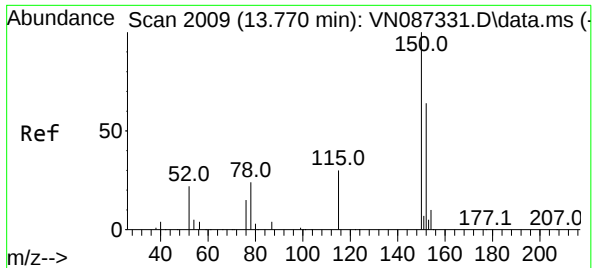
Tgt Ion: 95 Resp: 205019
Ion Ratio Lower Upper
95 100
174 67.5 0.0 149.4
176 64.9 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087559.D
Acq: 14 Aug 2025 12:46

Tgt Ion: 117 Resp: 472747
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 31.4 23.8 35.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN087559.D

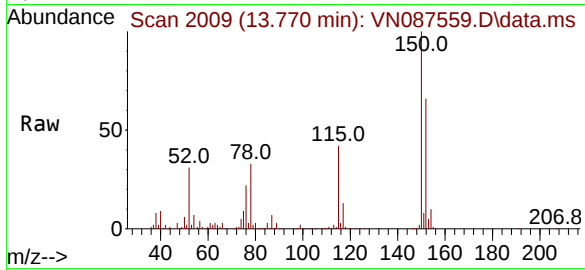
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Instrument :

MSVOA_N

ClientSampleId :

WC-A2-15-G



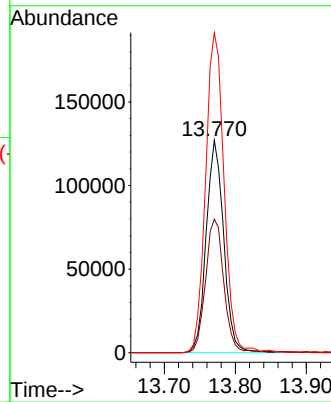
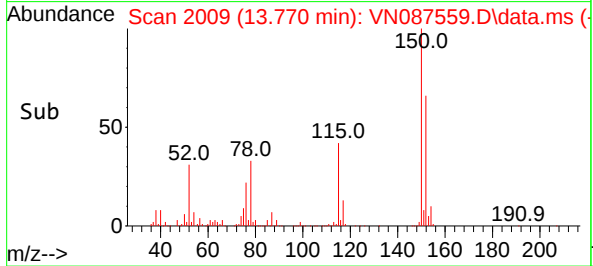
Tgt Ion:152 Resp: 218306

Ion Ratio Lower Upper

152 100

115 65.5 31.1 93.5

150 157.9 0.0 349.0



Report of Analysis

Client:	ENTACT	Date Collected:	08/12/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	08/12/25
Client Sample ID:	WC-A2-16-G	SDG No.:	Q2836
Lab Sample ID:	Q2836-05	Matrix:	TCLP
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VN087560.D	1	08/14/25 13:08	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.010	J	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	41.0		70 (75) - 130 (124)	82%	SPK: 50
2037-26-5	Toluene-d8	44.9		70 (86) - 130 (113)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		70 (77) - 130 (121)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	8.212			
540-36-3	1,4-Difluorobenzene	521000	9.088			
3114-55-4	Chlorobenzene-d5	483000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	221000	13.77			

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\VN081425\
 Data File : VN087560.D
 Acq On : 14 Aug 2025 13:08
 Operator : JC\MD
 Sample : Q2836-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-16-G

Quant Time: Aug 14 15:24:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

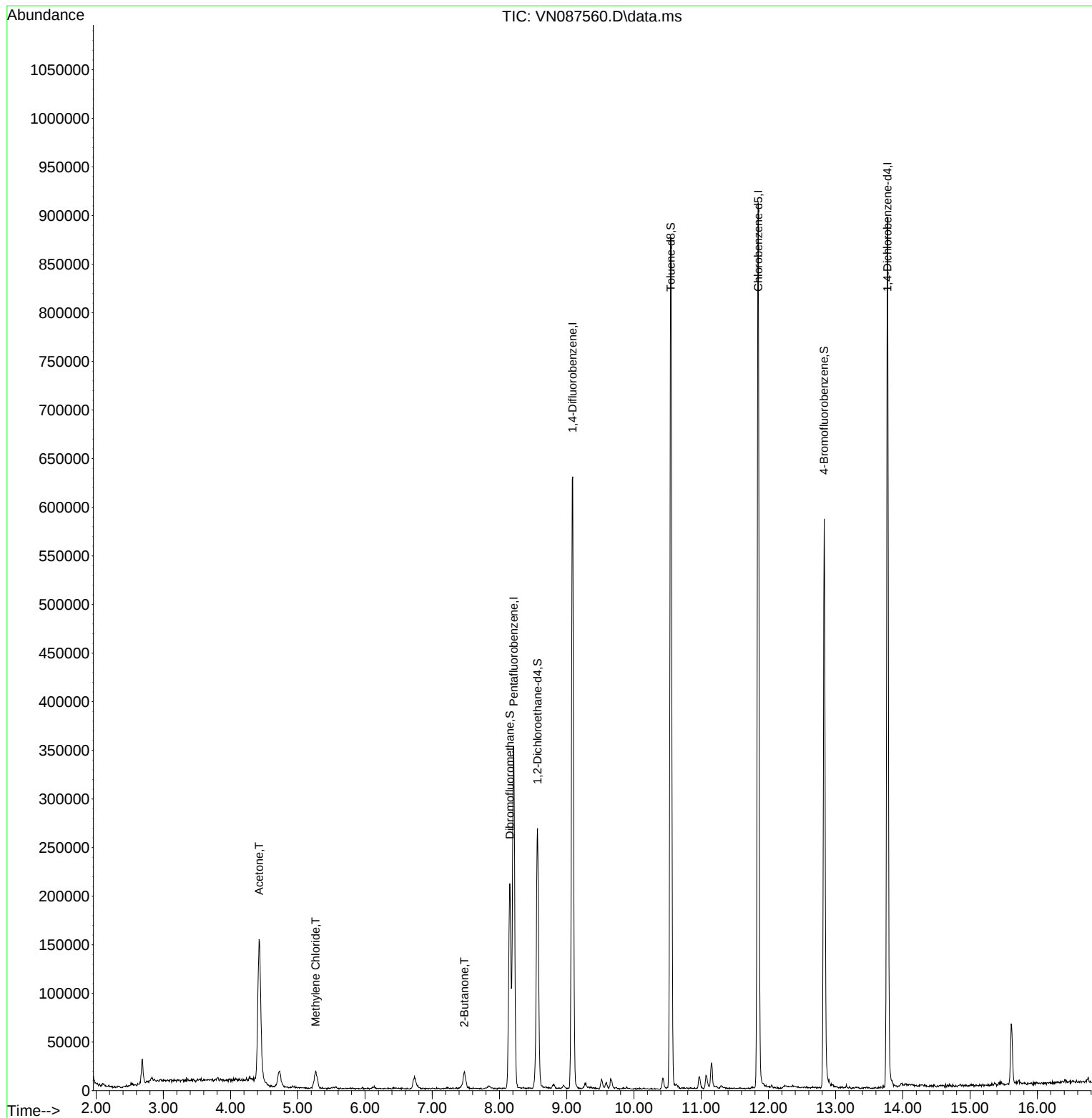
Internal Standards						
1) Pentafluorobenzene	8.212	168	240660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	521243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	482653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	220545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	219663	53.793	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.580%
35) Dibromofluoromethane	8.153	113	147568	41.042	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	82.080%
50) Toluene-d8	10.547	98	576483	44.948	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.900%
62) 4-Bromofluorobenzene	12.829	95	206736	43.629	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.260%
Target Compounds						
						Qvalue
16) Acetone	4.424	43	292143	152.585	ug/l	99
20) Methylene Chloride	5.265	84	12939	3.401	ug/l #	91
25) 2-Butanone	7.477	43	30083	10.169	ug/l #	90

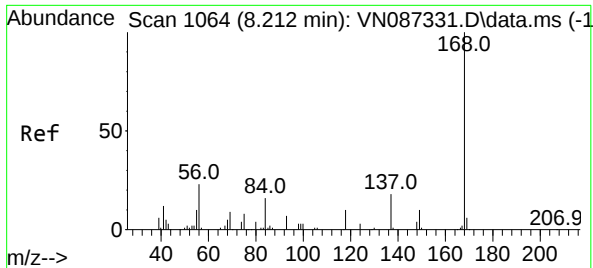
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087560.D
Acq On : 14 Aug 2025 13:08
Operator : JC\MD
Sample : Q2836-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-16-G

Quant Time: Aug 14 15:24:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

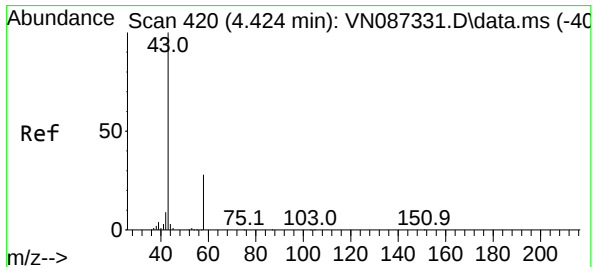
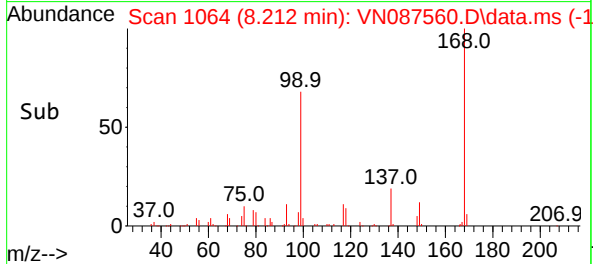
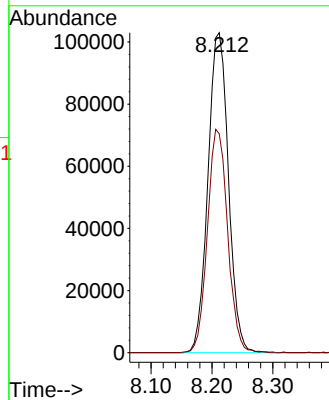
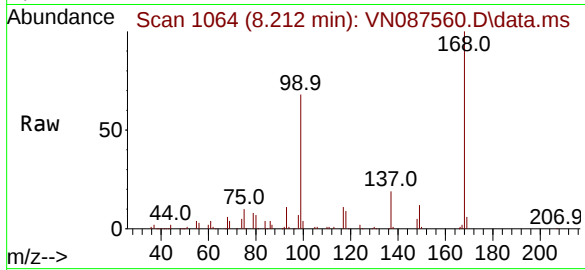




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087560.D
Acq: 14 Aug 2025 13:08

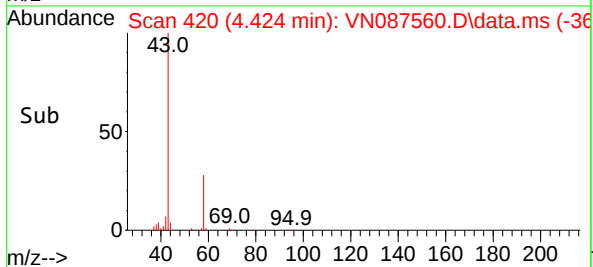
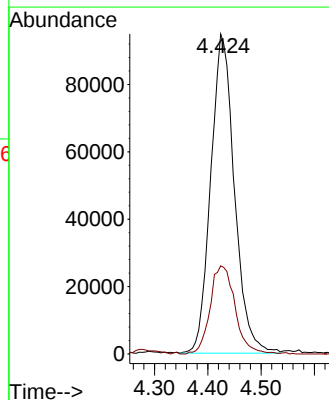
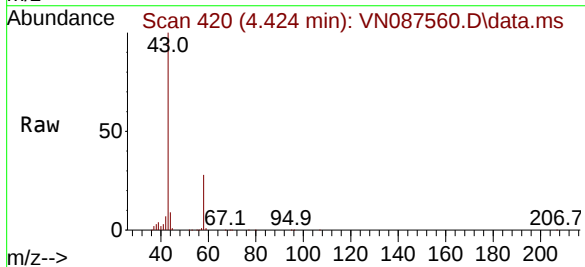
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-16-G

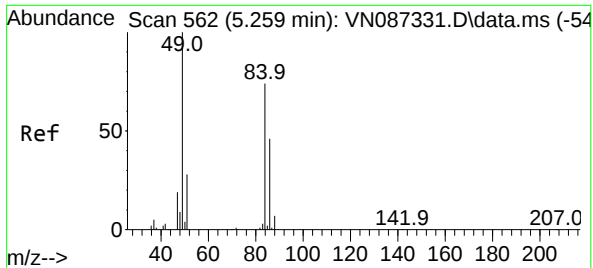
Tgt Ion:168 Resp: 240660
Ion Ratio Lower Upper
168 100
99 68.4 47.9 71.9



#16
Acetone
Concen: 152.585 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087560.D
Acq: 14 Aug 2025 13:08

Tgt Ion: 43 Resp: 292143
Ion Ratio Lower Upper
43 100
58 27.6 22.3 33.5





#20

Methylene Chloride

Concen: 3.401 ug/l

RT: 5.265 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN087560.D

Acq: 14 Aug 2025 13:08

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-16-G

Tgt Ion: 84 Resp: 12939

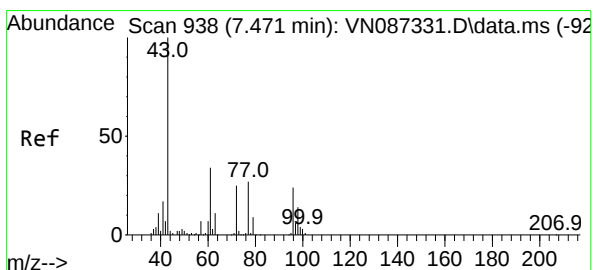
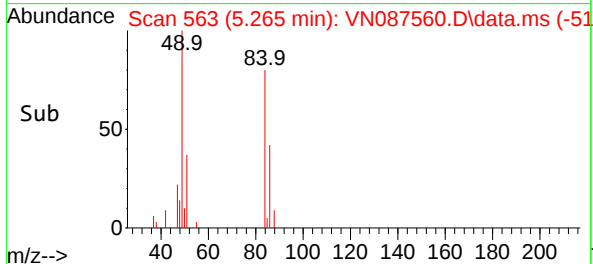
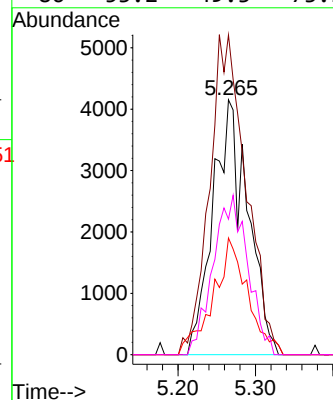
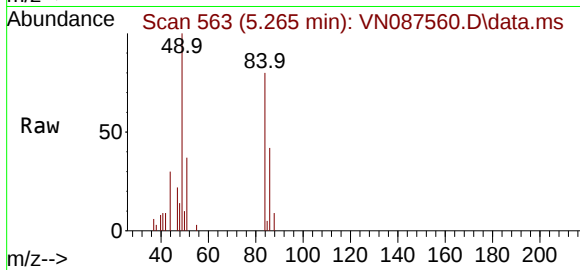
Ion Ratio Lower Upper

84 100

49 125.4 107.5 161.3

51 45.8 30.2 45.2#

86 53.2 49.3 73.9



#25

2-Butanone

Concen: 10.169 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.006 min

Lab File: VN087560.D

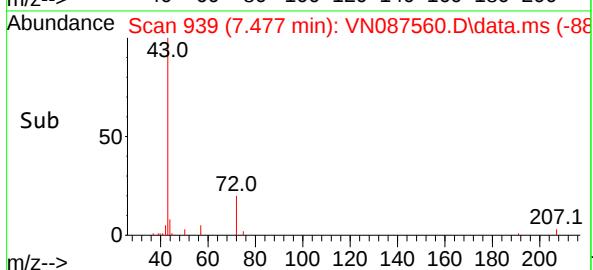
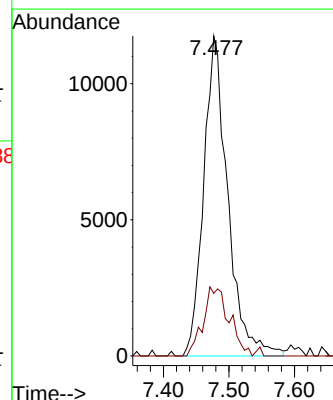
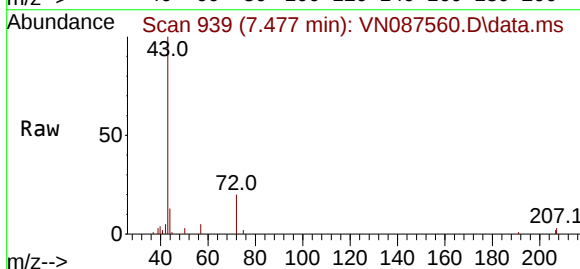
Acq: 14 Aug 2025 13:08

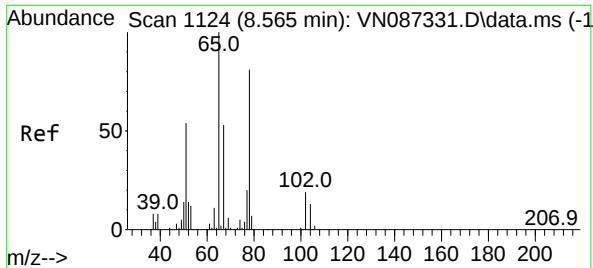
Tgt Ion: 43 Resp: 30083

Ion Ratio Lower Upper

43 100

72 19.6 19.6 29.4#





#33

1,2-Dichloroethane-d4

Concen: 53.793 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087560.D

Acq: 14 Aug 2025 13:08

Instrument :

MSVOA_N

ClientSampleId :

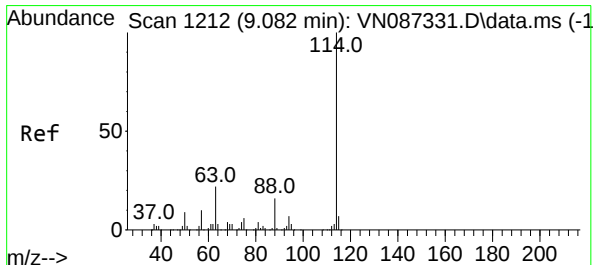
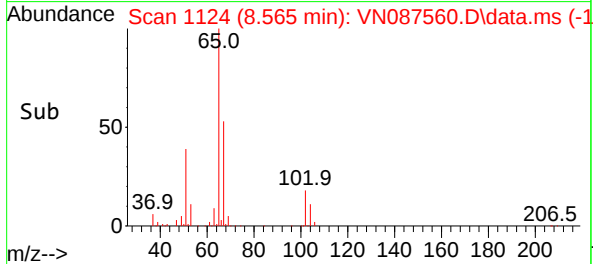
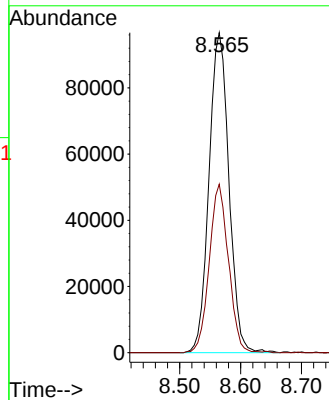
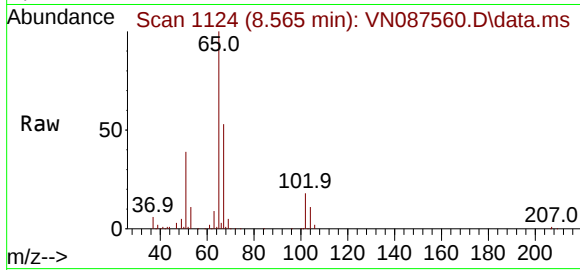
WC-A2-16-G

Tgt Ion: 65 Resp: 219663

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VN087560.D

Acq: 14 Aug 2025 13:08

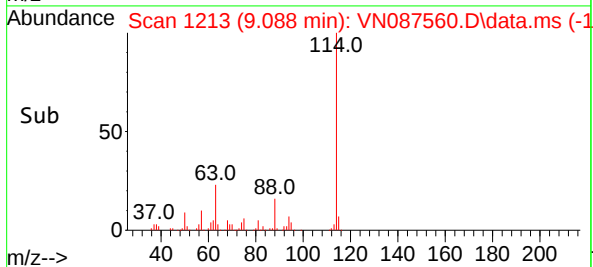
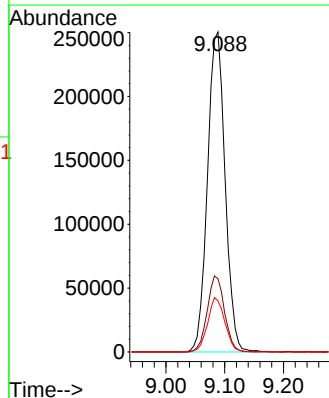
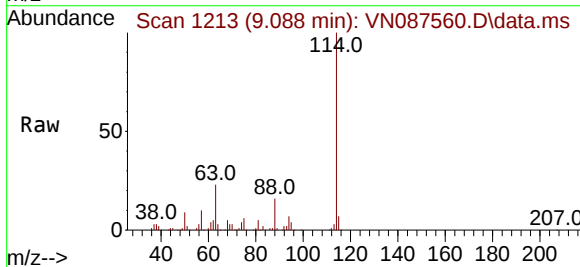
Tgt Ion: 114 Resp: 521243

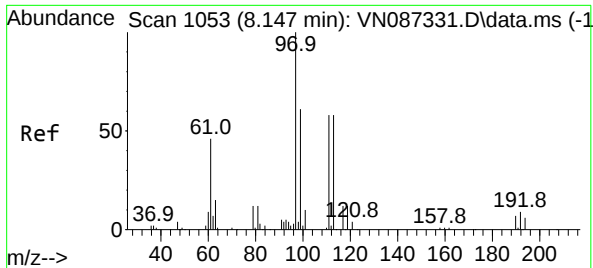
Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.6

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 41.042 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087560.D

Acq: 14 Aug 2025 13:08

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-16-G

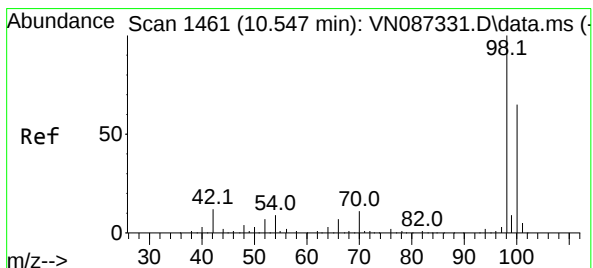
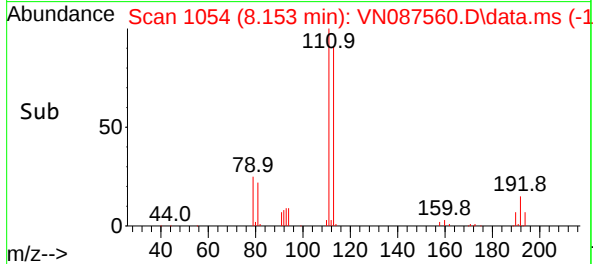
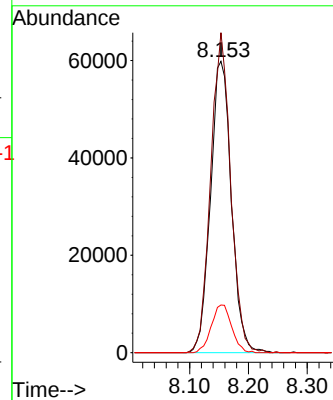
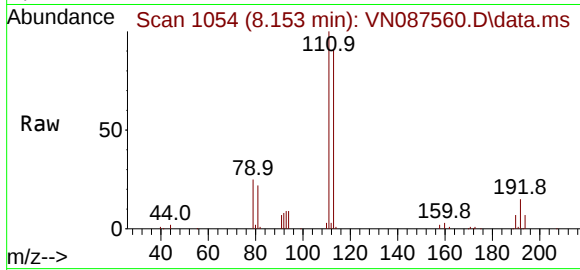
Tgt Ion:113 Resp: 147568

Ion Ratio Lower Upper

113 100

111 105.2 82.5 123.7

192 16.0 13.7 20.5



#50

Toluene-d8

Concen: 44.948 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087560.D

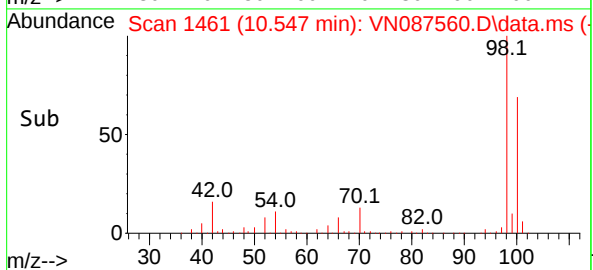
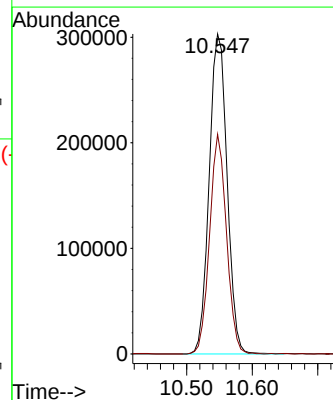
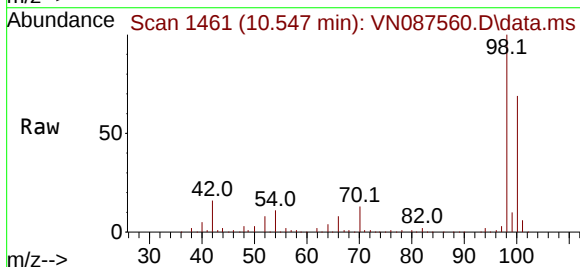
Acq: 14 Aug 2025 13:08

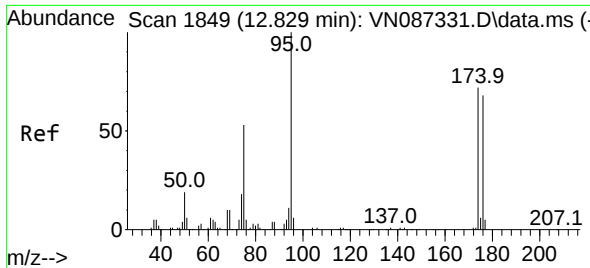
Tgt Ion: 98 Resp: 576483

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1

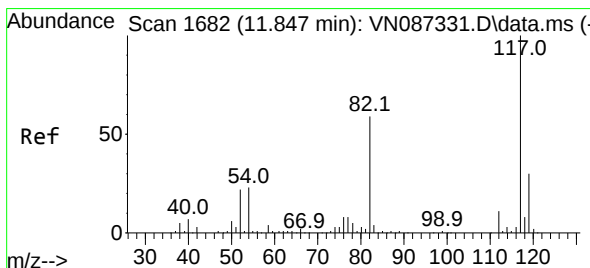
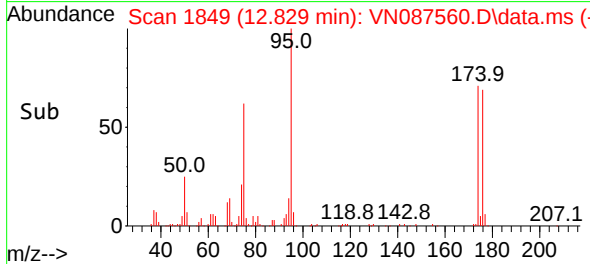
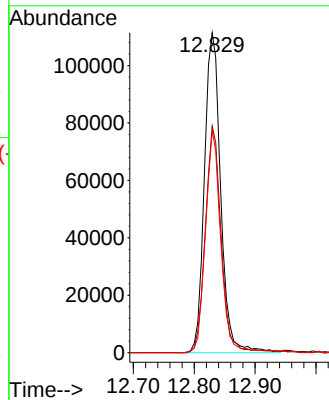
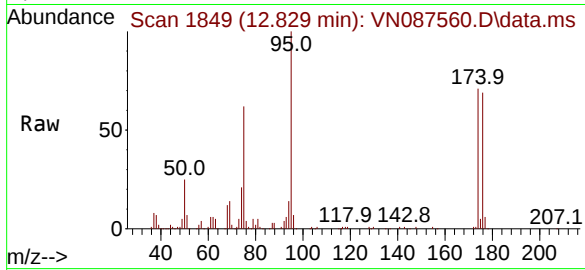




#62
4-Bromofluorobenzene
Concen: 43.629 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087560.D
Acq: 14 Aug 2025 13:08

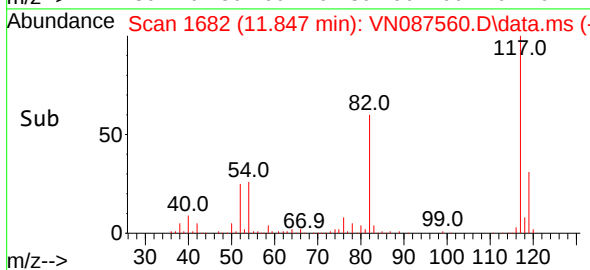
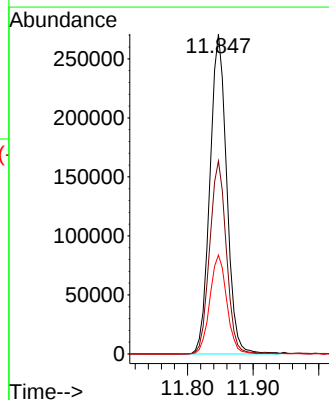
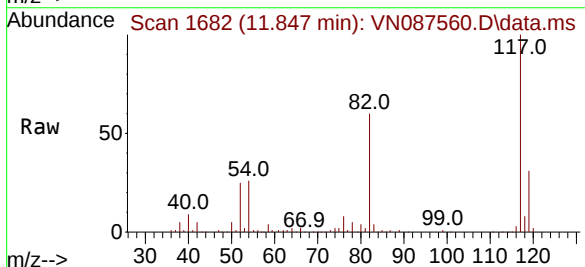
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-16-G

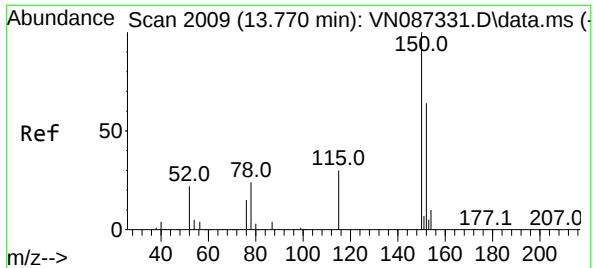
Tgt Ion: 95 Resp: 206736
Ion Ratio Lower Upper
95 100
174 69.3 0.0 149.4
176 65.4 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087560.D
Acq: 14 Aug 2025 13:08

Tgt Ion: 117 Resp: 482653
Ion Ratio Lower Upper
117 100
82 60.3 47.4 71.2
119 30.9 23.8 35.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN087560.D

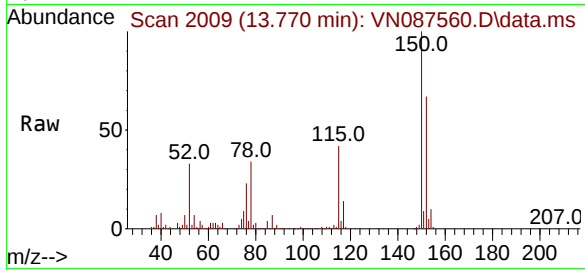
Acq: 14 Aug 2025 13:08

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-16-G



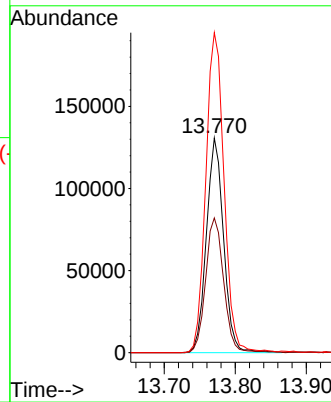
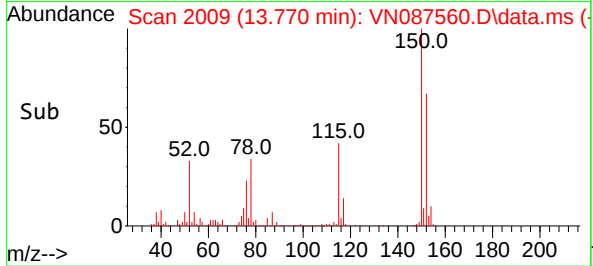
Tgt Ion:152 Resp: 220545

Ion Ratio Lower Upper

152 100

115 65.8 31.1 93.5

150 157.9 0.0 349.0



Report of Analysis

Client:	ENTACT	Date Collected:	08/12/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	08/12/25
Client Sample ID:	WC-A2-17-G	SDG No.:	Q2836
Lab Sample ID:	Q2836-09	Matrix:	TCLP
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VN087561.D	1	08/14/25 13:30	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.011	J	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.4		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	41.5		70 (75) - 130 (124)	83%	SPK: 50
2037-26-5	Toluene-d8	45.3		70 (86) - 130 (113)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4		70 (77) - 130 (121)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	231000	8.212			
540-36-3	1,4-Difluorobenzene	509000	9.088			
3114-55-4	Chlorobenzene-d5	471000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	212000	13.77			

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\VN081425\
 Data File : VN087561.D
 Acq On : 14 Aug 2025 13:30
 Operator : JC\MD
 Sample : Q2836-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-17-G

Quant Time: Aug 14 15:24:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

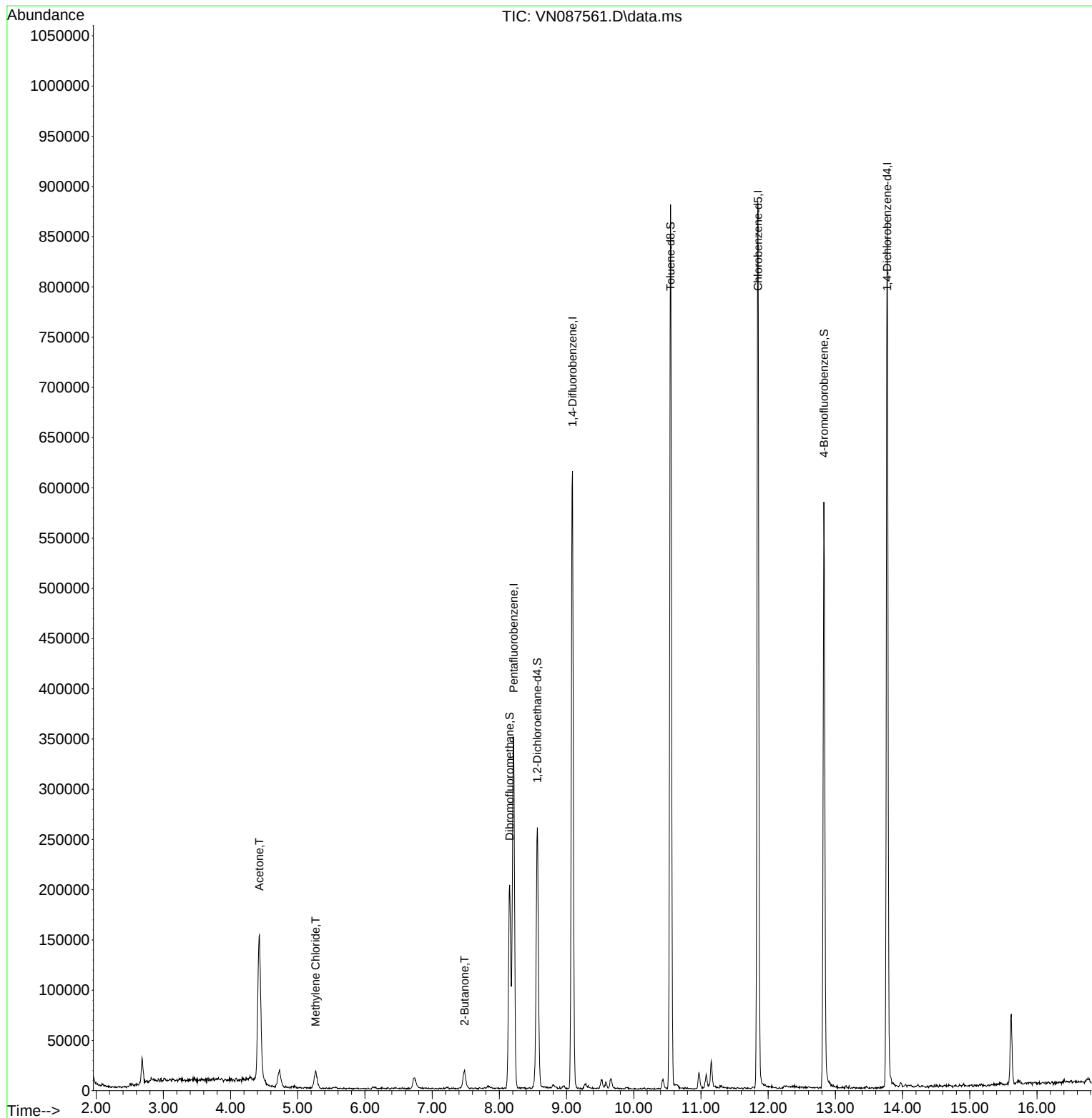
Internal Standards						
1) Pentafluorobenzene	8.212	168	230973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	508871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	471064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	213171	54.393	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.780%			
35) Dibromofluoromethane	8.153	113	145808	41.538	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 83.080%			
50) Toluene-d8	10.547	98	566852	45.271	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.540%			
62) 4-Bromofluorobenzene	12.829	95	200634	43.371	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.740%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	292163	158.995	ug/l	99
20) Methylene Chloride	5.265	84	12540	3.441	ug/l	94
25) 2-Butanone	7.483	43	31177	10.981	ug/l #	88

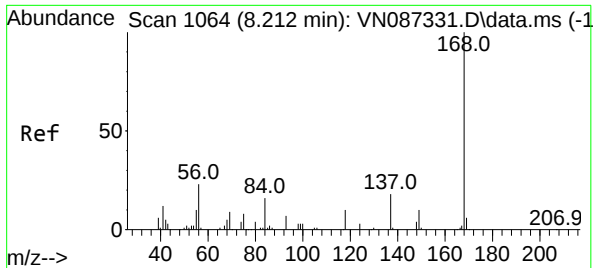
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087561.D
Acq On : 14 Aug 2025 13:30
Operator : JC\MD
Sample : Q2836-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-17-G

Quant Time: Aug 14 15:24:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

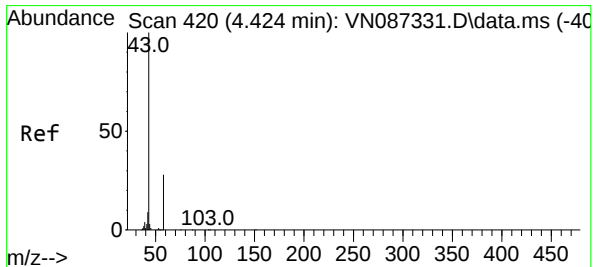
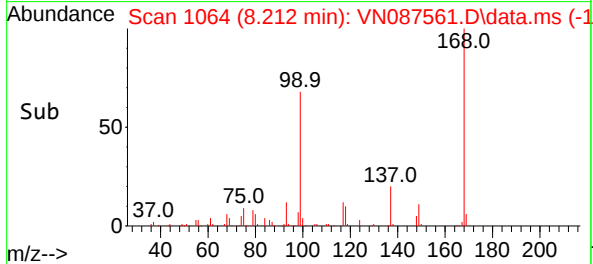
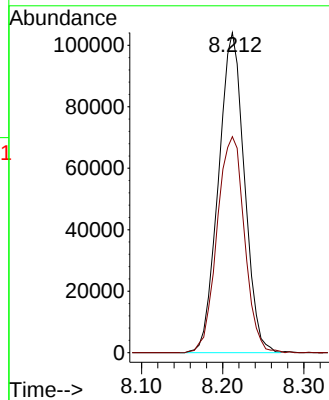
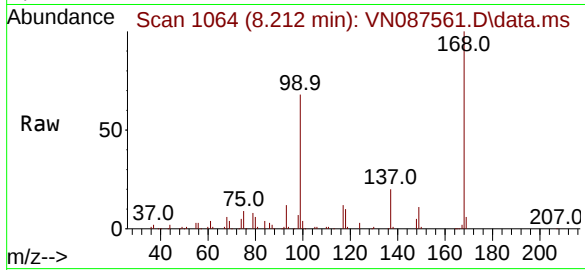




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

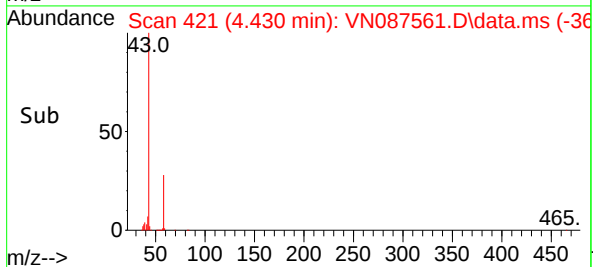
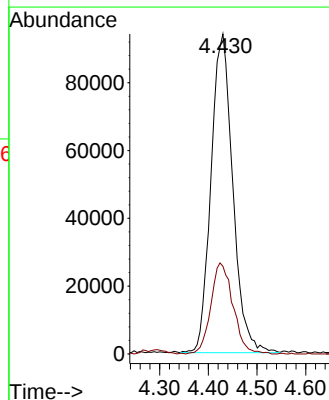
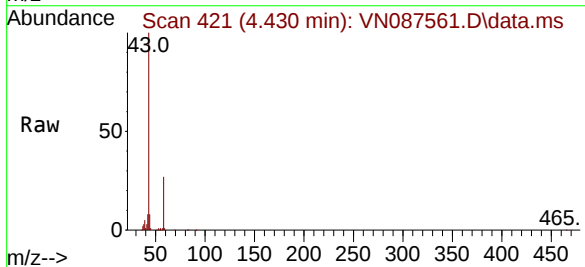
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-17-G

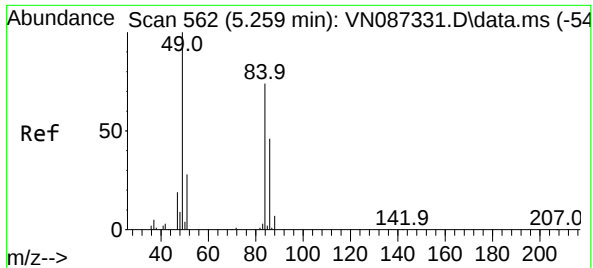
Tgt Ion:168 Resp: 230973
Ion Ratio Lower Upper
168 100
99 67.5 47.9 71.9



#16
Acetone
Concen: 158.995 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Tgt Ion: 43 Resp: 292163
Ion Ratio Lower Upper
43 100
58 27.3 22.3 33.5

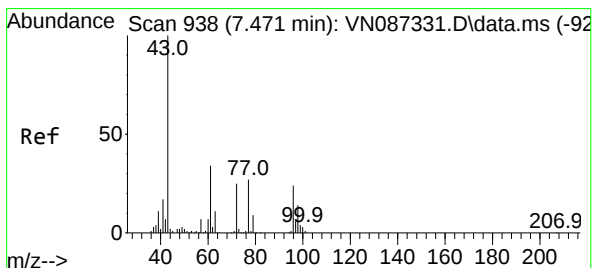
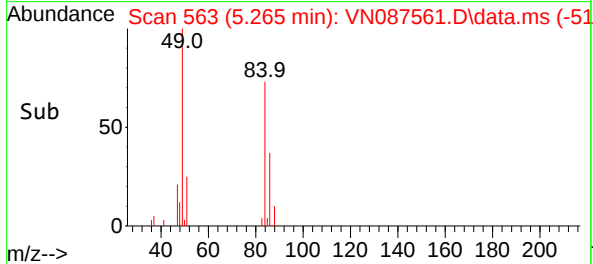
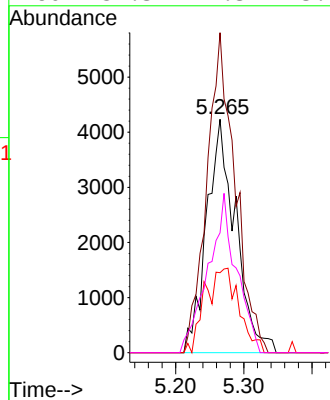
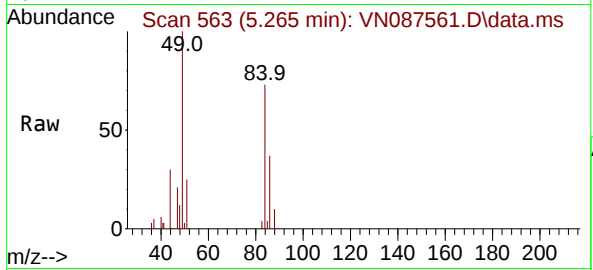




#20
Methylene Chloride
Concen: 3.441 ug/l
RT: 5.265 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

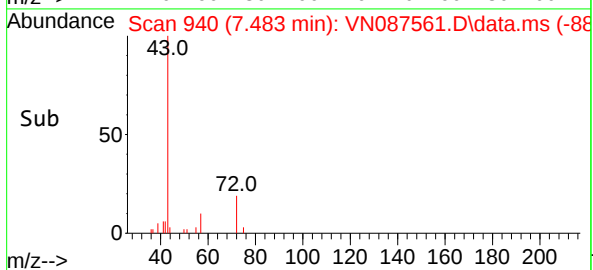
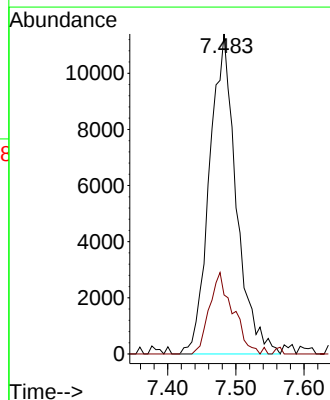
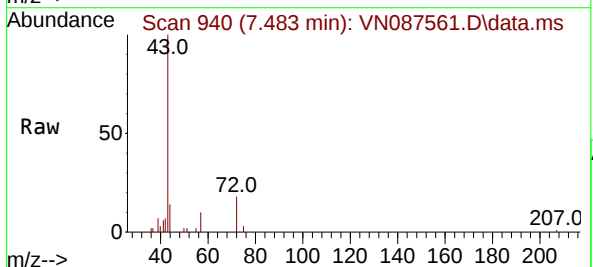
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-17-G

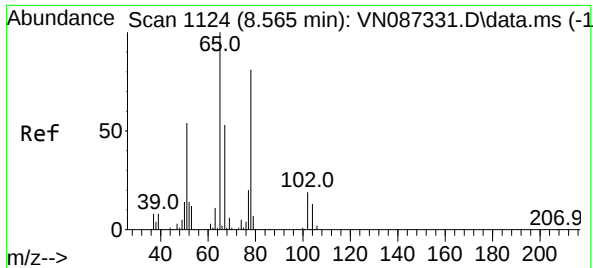
Tgt Ion:	84	Resp:	12540
Ion	Ratio	Lower	Upper
84	100		
49	137.1	107.5	161.3
51	34.3	30.2	45.2
86	51.3	49.3	73.9



#25
2-Butanone
Concen: 10.981 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Tgt Ion:	43	Resp:	31177
Ion	Ratio	Lower	Upper
43	100		
72	18.5	19.6	29.4#





#33

1,2-Dichloroethane-d4

Concen: 54.393 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087561.D

Acq: 14 Aug 2025 13:30

Instrument :

MSVOA_N

ClientSampleId :

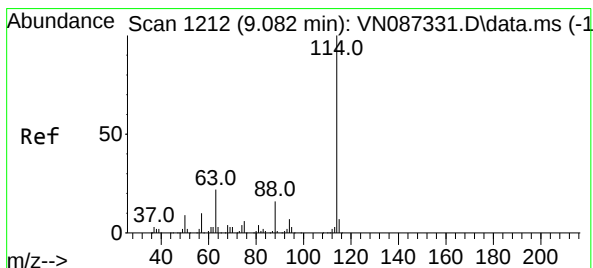
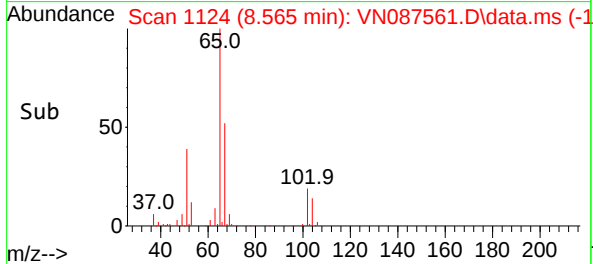
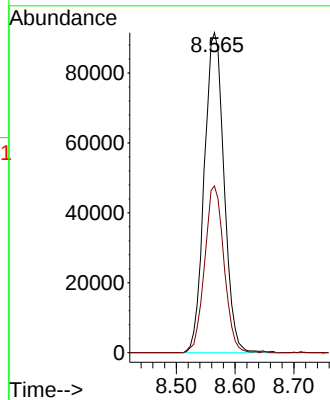
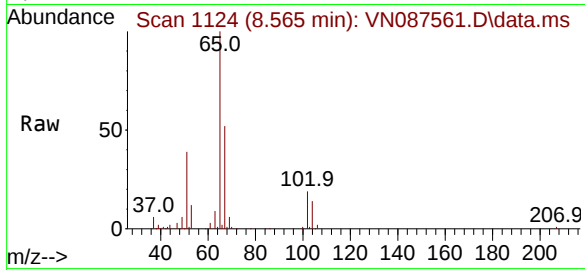
WC-A2-17-G

Tgt Ion: 65 Resp: 213171

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.088 min Scan# 1213

Delta R.T. 0.006 min

Lab File: VN087561.D

Acq: 14 Aug 2025 13:30

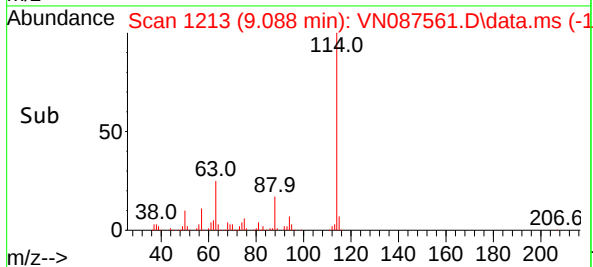
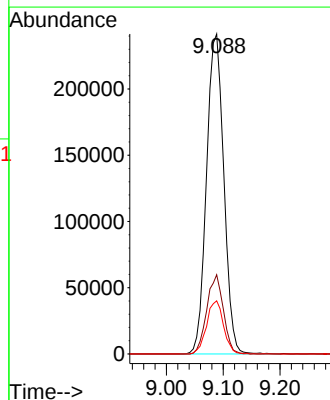
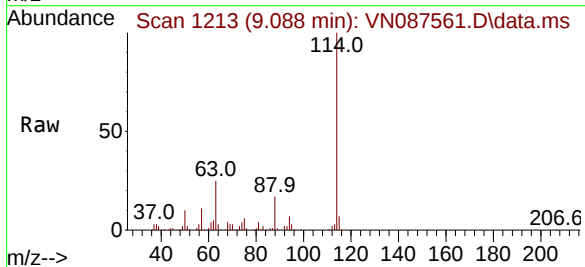
Tgt Ion: 114 Resp: 508871

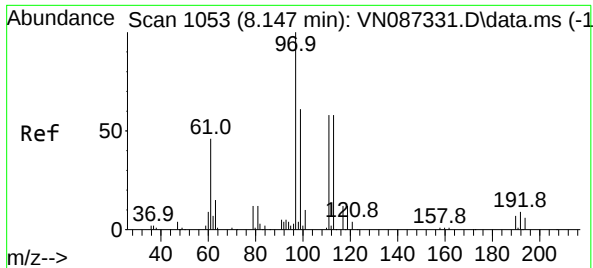
Ion Ratio Lower Upper

114 100

63 24.7 0.0 44.6

88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 41.538 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087561.D

Acq: 14 Aug 2025 13:30

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-17-G

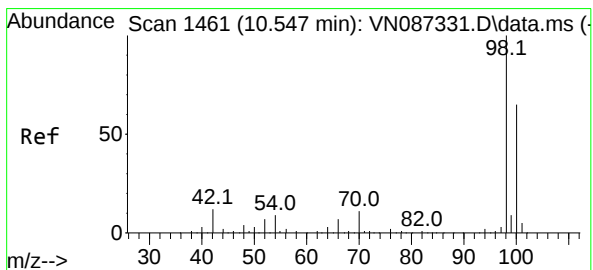
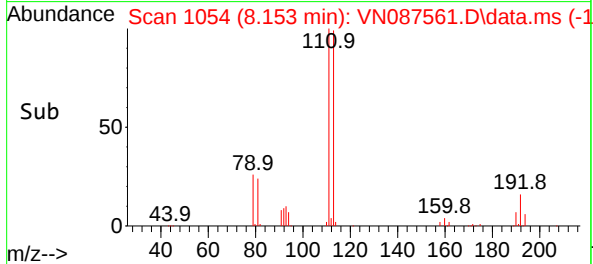
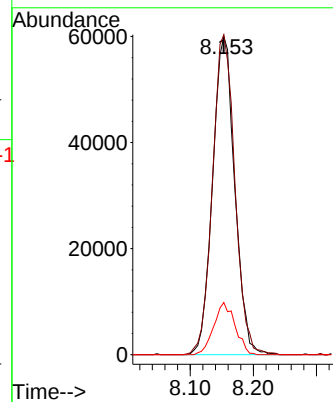
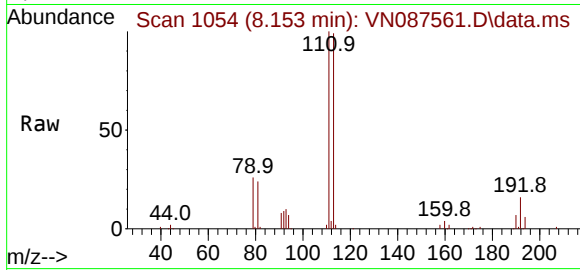
Tgt Ion:113 Resp: 145808

Ion Ratio Lower Upper

113 100

111 101.8 82.5 123.7

192 15.8 13.7 20.5



#50

Toluene-d8

Concen: 45.271 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087561.D

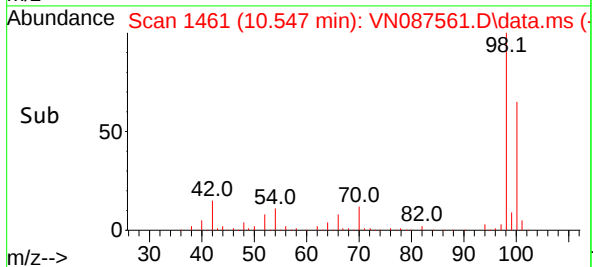
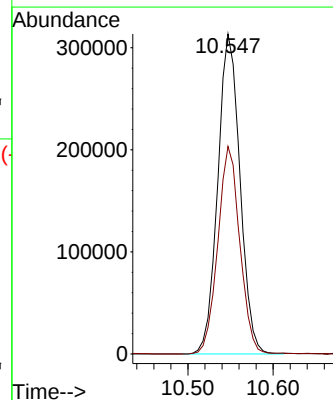
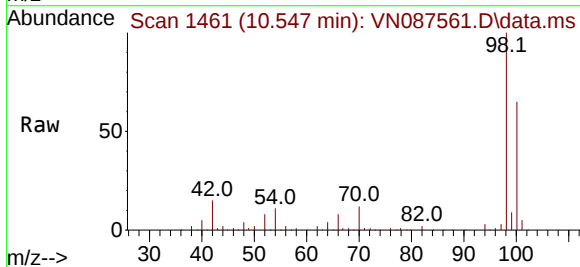
Acq: 14 Aug 2025 13:30

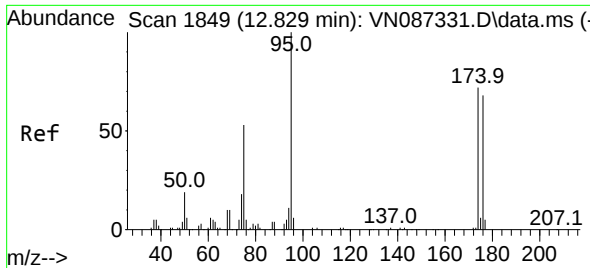
Tgt Ion: 98 Resp: 566852

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1

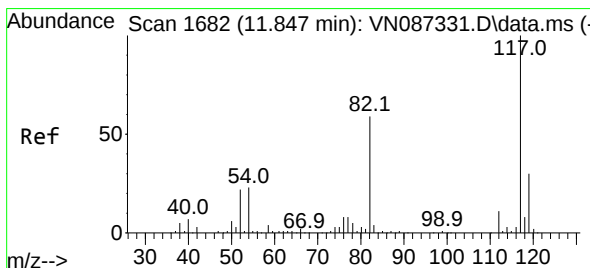
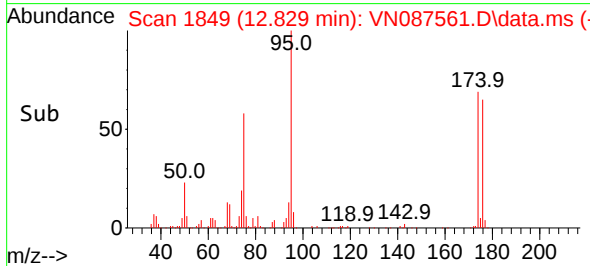
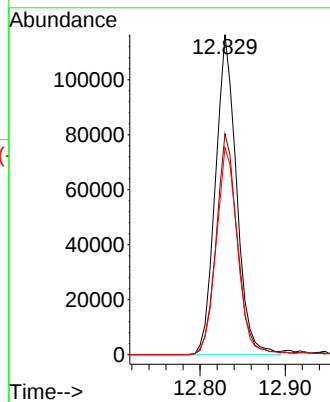
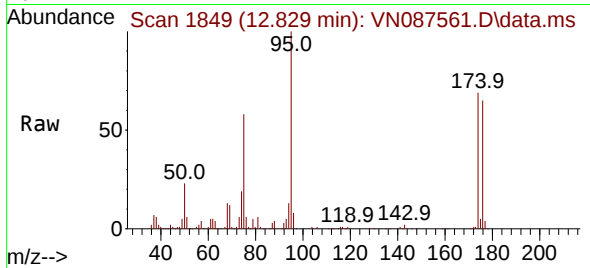




#62
4-Bromofluorobenzene
Concen: 43.371 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

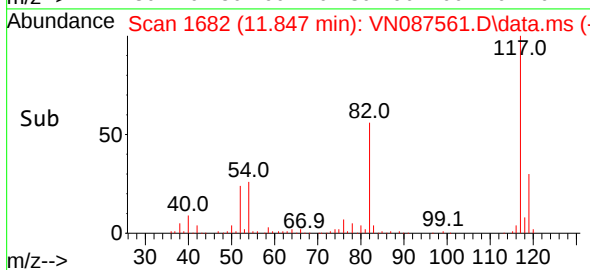
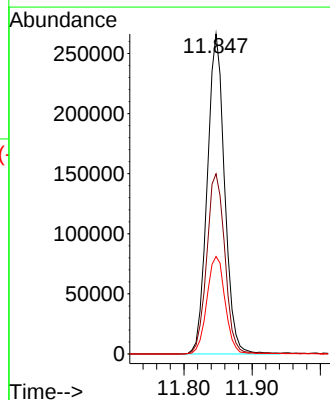
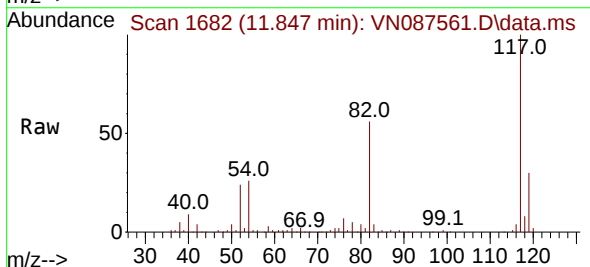
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-17-G

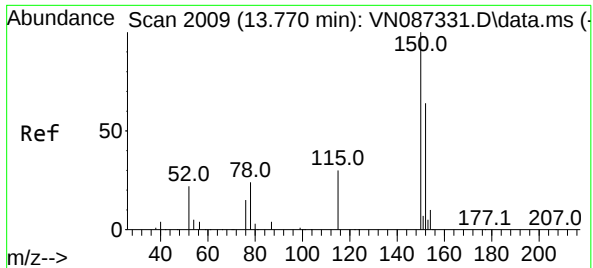
Tgt Ion: 95 Resp: 200634
Ion Ratio Lower Upper
95 100
174 69.4 0.0 149.4
176 66.0 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087561.D
Acq: 14 Aug 2025 13:30

Tgt Ion: 117 Resp: 471064
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 30.5 23.8 35.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN087561.D

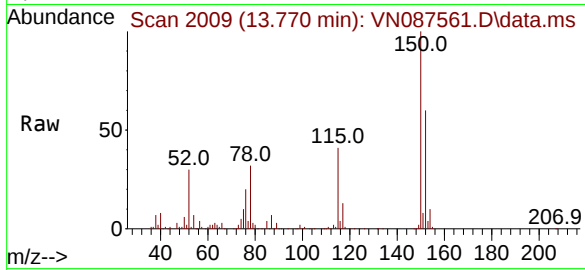
Acq: 14 Aug 2025 13:30

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-17-G



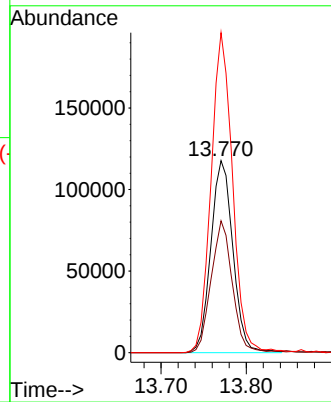
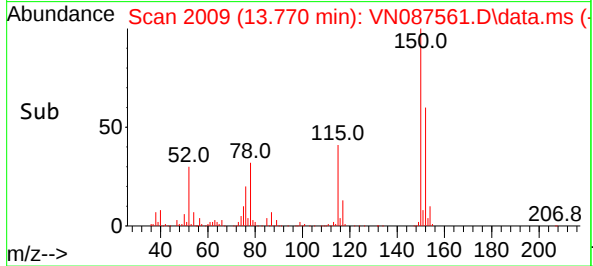
Tgt Ion:152 Resp: 211812

Ion Ratio Lower Upper

152 100

115 66.5 31.1 93.5

150 162.0 0.0 349.0



Report of Analysis

Client:	ENTACT	Date Collected:	08/12/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	08/12/25
Client Sample ID:	WC-A5-02-G	SDG No.:	Q2836
Lab Sample ID:	Q2836-13	Matrix:	TCLP
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VN087562.D	1	08/14/25 13:52	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.0095	J	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.5		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	41.1		70 (75) - 130 (124)	82%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	232000	8.212			
540-36-3	1,4-Difluorobenzene	519000	9.083			
3114-55-4	Chlorobenzene-d5	482000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	226000	13.77			

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\VN081425\
 Data File : VN087562.D
 Acq On : 14 Aug 2025 13:52
 Operator : JC\MD
 Sample : Q2836-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A5-02-G

Quant Time: Aug 14 15:24:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

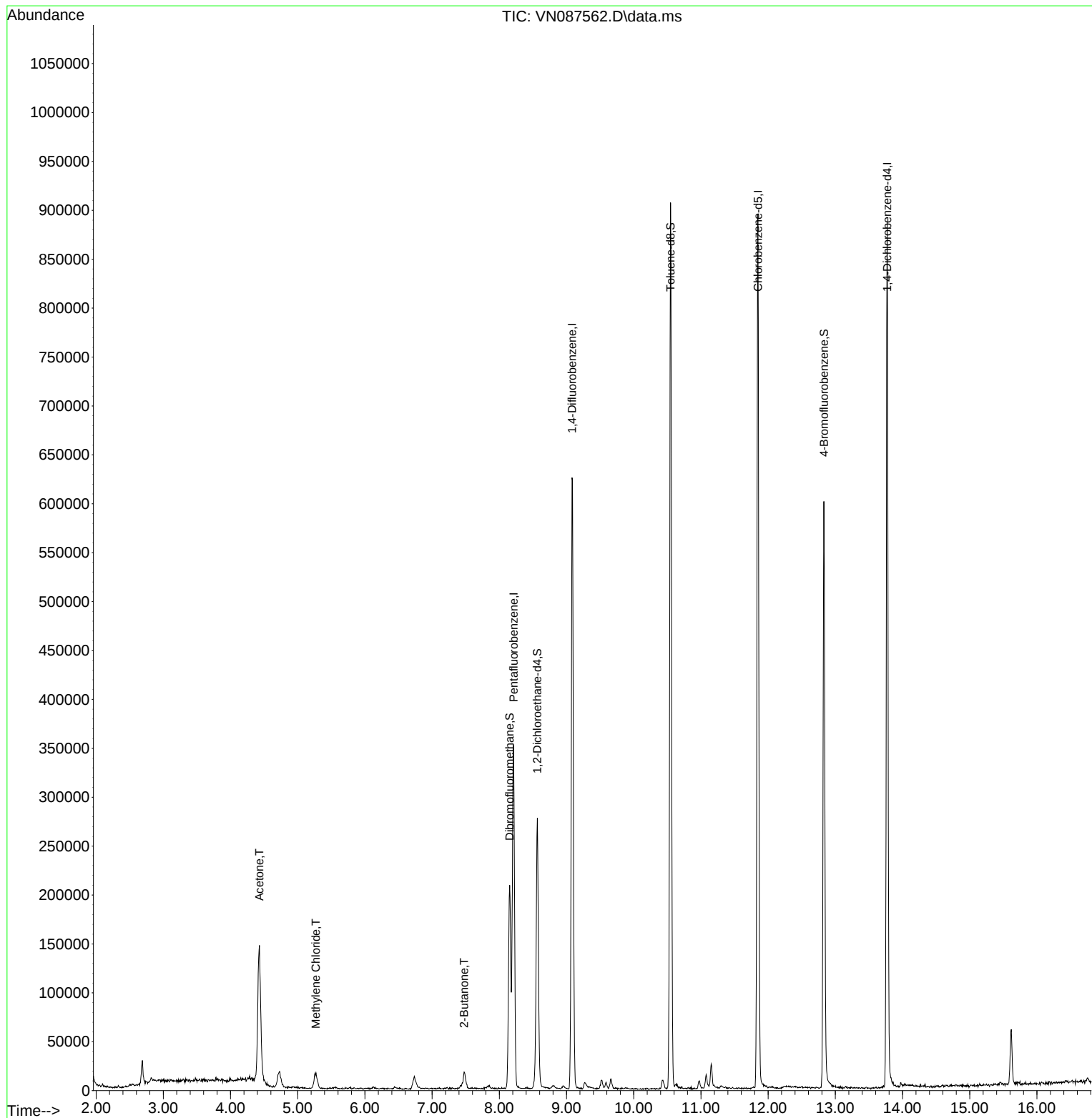
Internal Standards						
1) Pentafluorobenzene	8.212	168	231781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	518724	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	481565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	225522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	226043	57.476	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.960%			
35) Dibromofluoromethane	8.153	113	147073	41.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 82.200%			
50) Toluene-d8	10.547	98	593014	46.461	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.920%			
62) 4-Bromofluorobenzene	12.829	95	213976	45.376	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.760%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	272163	147.595	ug/l	97
20) Methylene Chloride	5.271	84	11836	3.198	ug/l	84
25) 2-Butanone	7.477	43	26989	9.473	ug/l	94

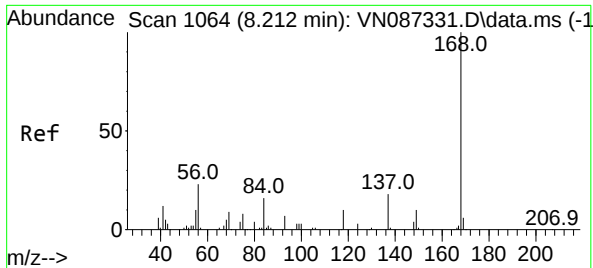
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087562.D
Acq On : 14 Aug 2025 13:52
Operator : JC\MD
Sample : Q2836-13
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A5-02-G

Quant Time: Aug 14 15:24:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

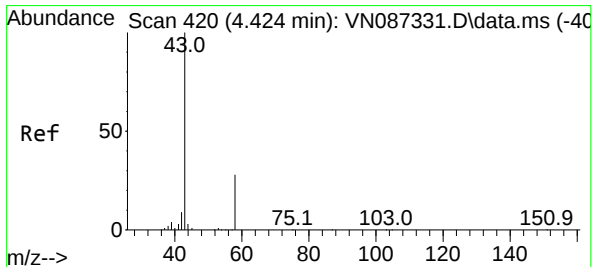
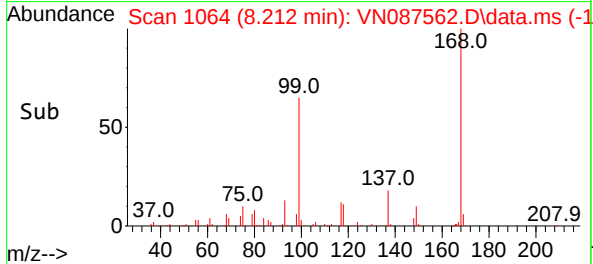
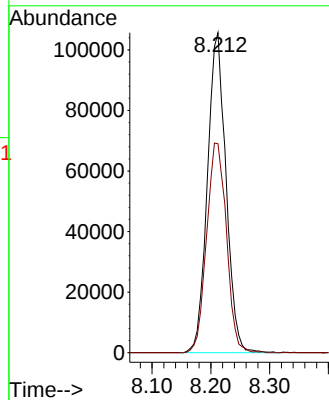
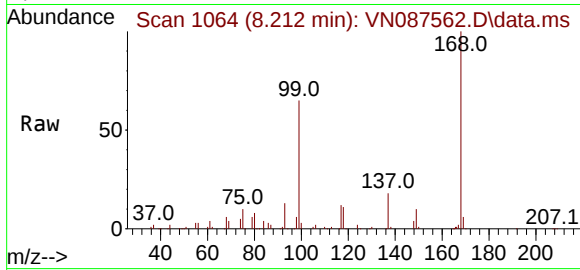




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

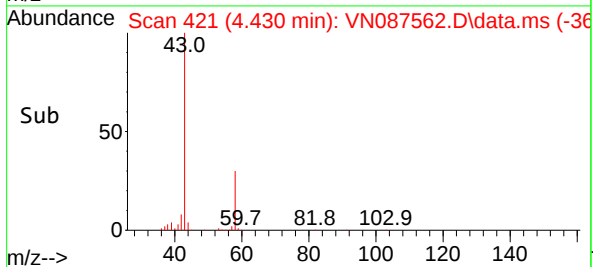
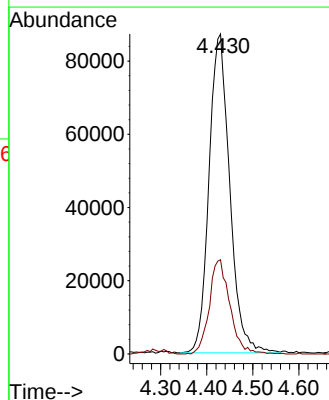
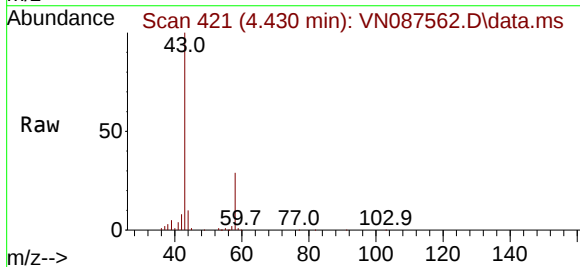
Instrument :
MSVOA_N
ClientSampleId :
WC-A5-02-G

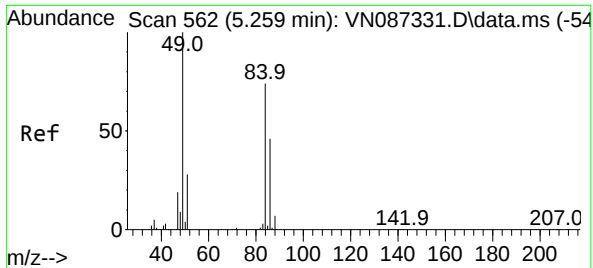
Tgt Ion:168 Resp: 231781
Ion Ratio Lower Upper
168 100
99 65.3 47.9 71.9



#16
Acetone
Concen: 147.595 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion: 43 Resp: 272163
Ion Ratio Lower Upper
43 100
58 29.6 22.3 33.5



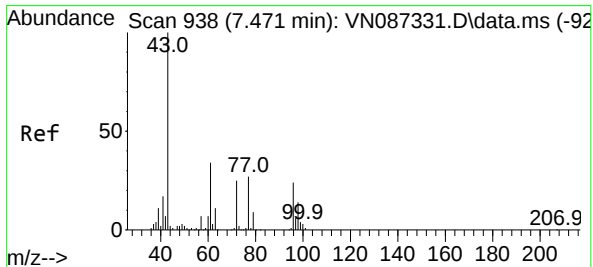
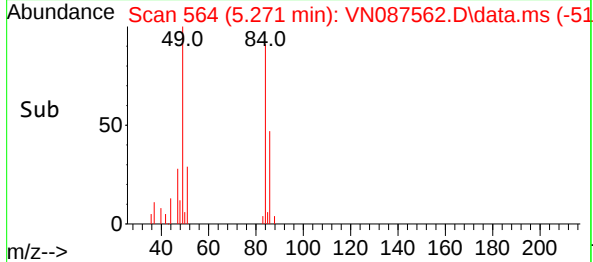
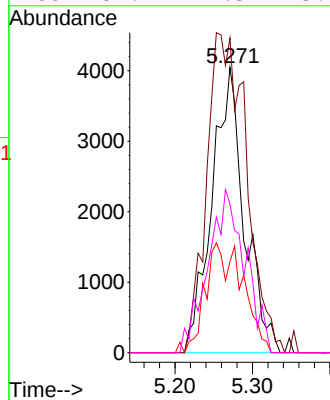
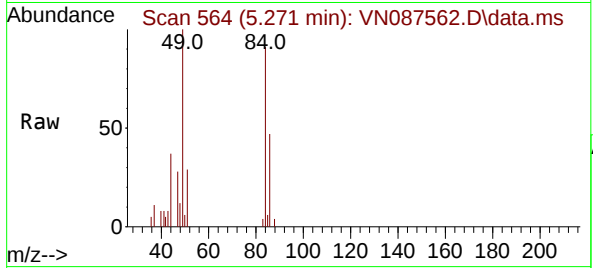


#20
Methylene Chloride
Concen: 3.198 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
WC-A5-02-G

Tgt Ion: 84 Resp: 11836

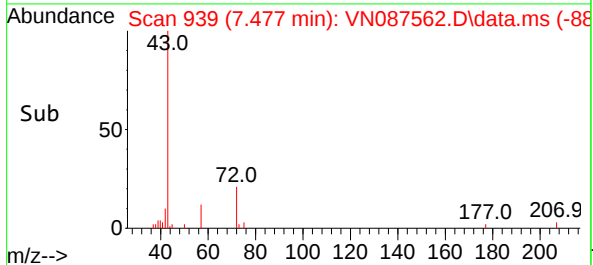
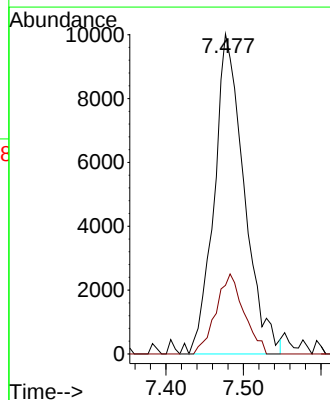
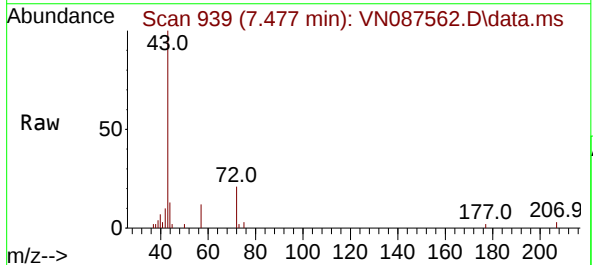
Ion	Ratio	Lower	Upper
84	100		
49	110.3	107.5	161.3
51	31.9	30.2	45.2
86	52.1	49.3	73.9

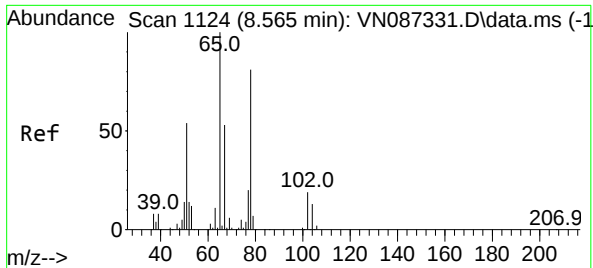


#25
2-Butanone
Concen: 9.473 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion: 43 Resp: 26989

Ion	Ratio	Lower	Upper
43	100		
72	21.4	19.6	29.4





#33

1,2-Dichloroethane-d4

Concen: 57.476 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087562.D

Acq: 14 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

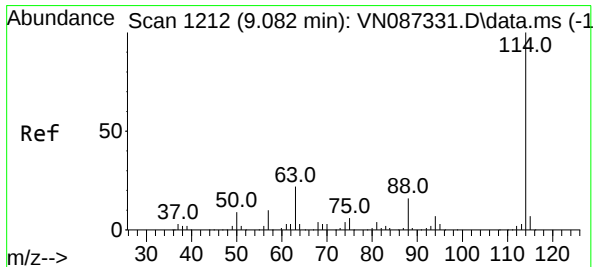
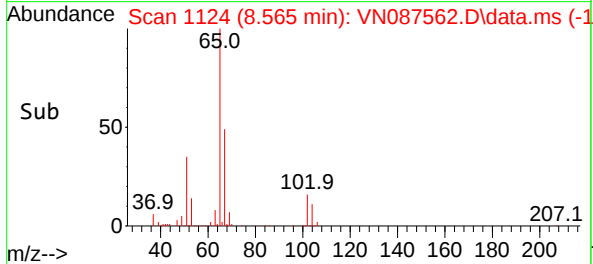
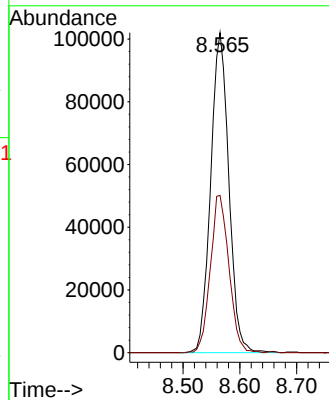
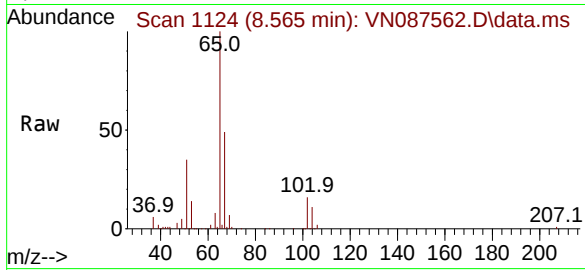
WC-A5-02-G

Tgt Ion: 65 Resp: 226043

Ion Ratio Lower Upper

65 100

67 50.4 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.001 min

Lab File: VN087562.D

Acq: 14 Aug 2025 13:52

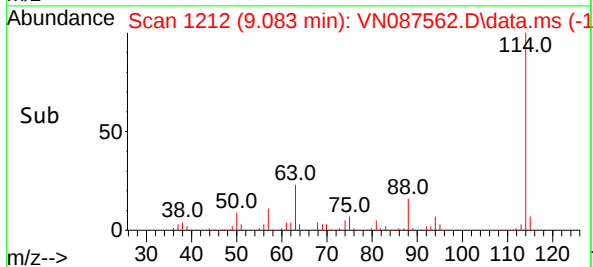
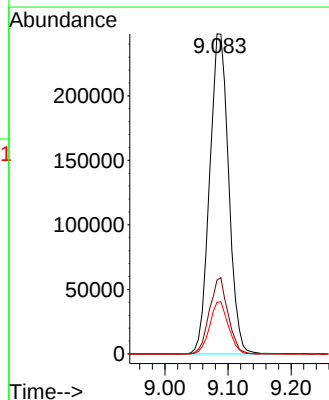
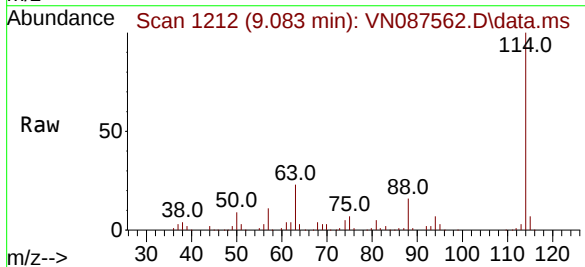
Tgt Ion: 114 Resp: 518724

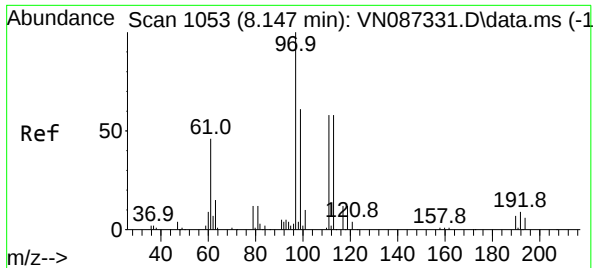
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.6

88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 41.103 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087562.D

Acq: 14 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

WC-A5-02-G

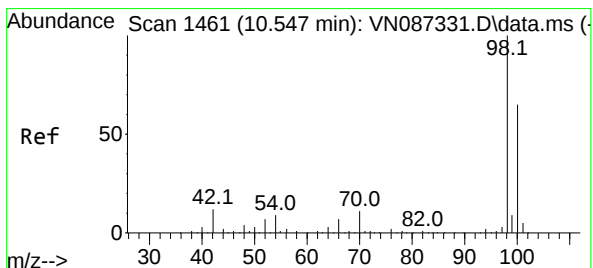
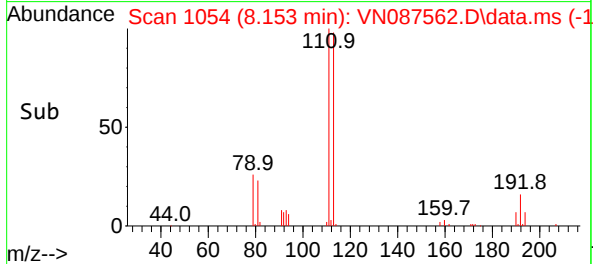
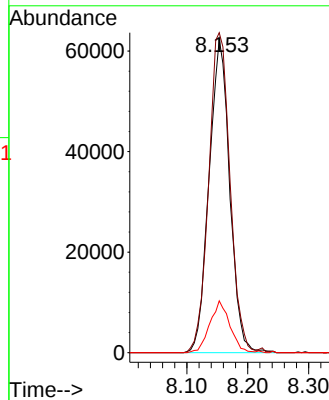
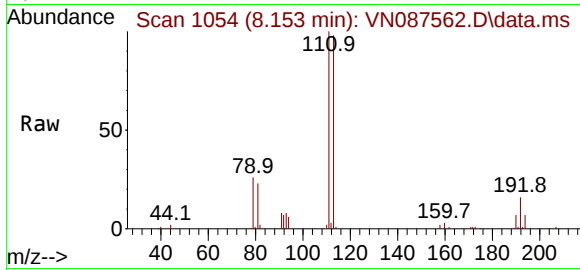
Tgt Ion:113 Resp: 147073

Ion Ratio Lower Upper

113 100

111 105.2 82.5 123.7

192 16.1 13.7 20.5



#50

Toluene-d8

Concen: 46.461 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087562.D

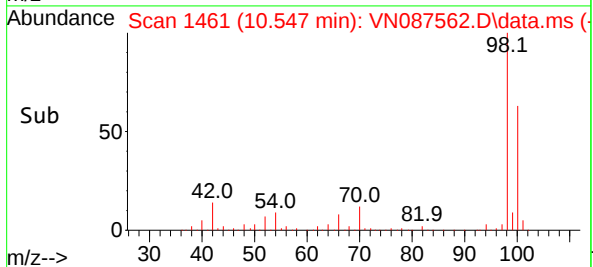
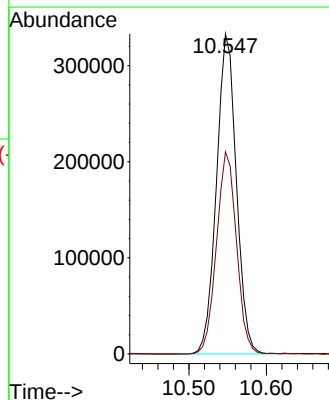
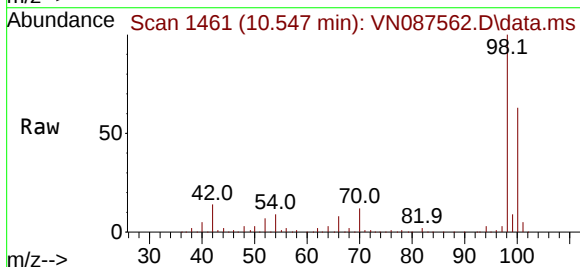
Acq: 14 Aug 2025 13:52

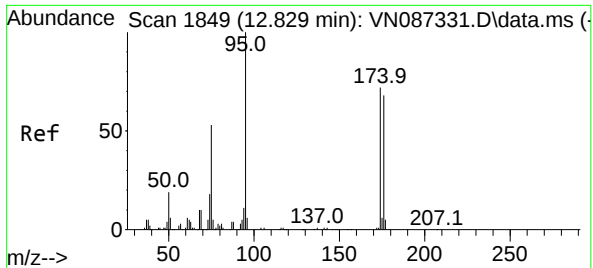
Tgt Ion: 98 Resp: 593014

Ion Ratio Lower Upper

98 100

100 63.6 52.1 78.1

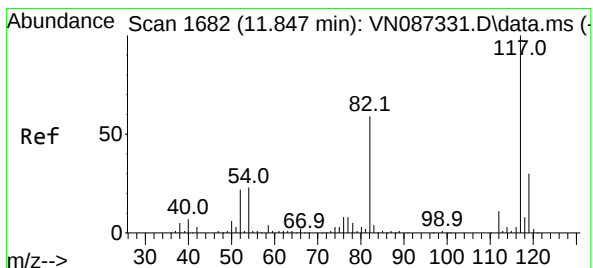
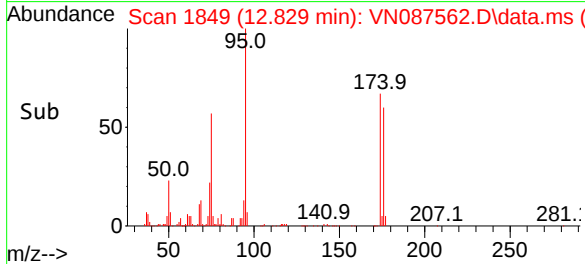
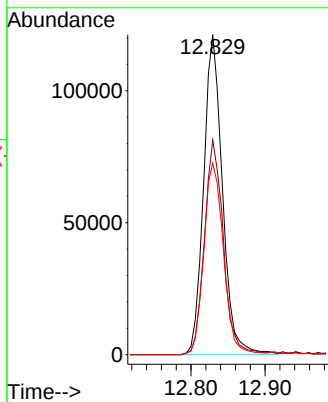
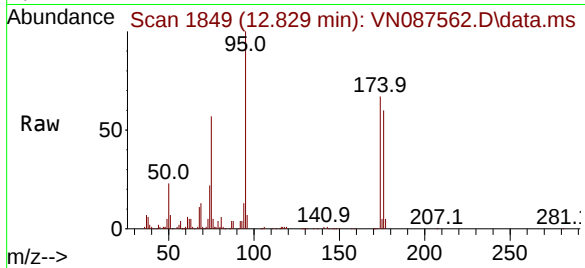




#62
4-Bromofluorobenzene
Concen: 45.376 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

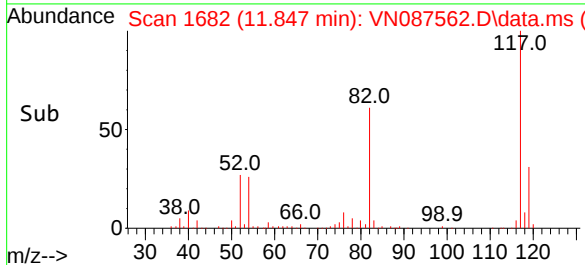
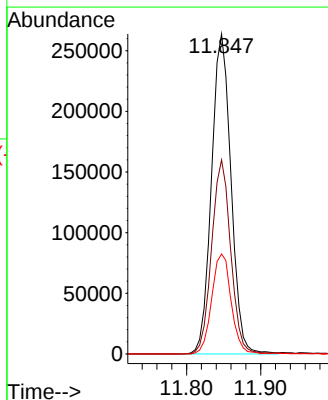
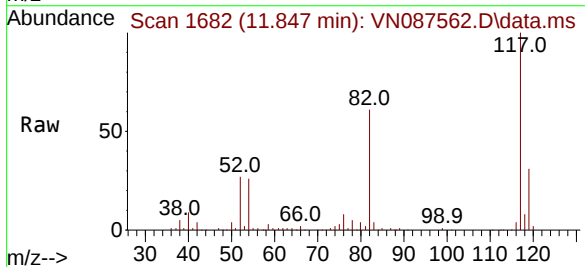
Instrument :
MSVOA_N
ClientSampleId :
WC-A5-02-G

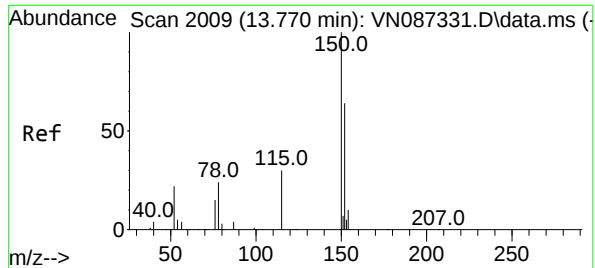
Tgt Ion: 95 Resp: 213976
Ion Ratio Lower Upper
95 100
174 67.2 0.0 149.4
176 62.7 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087562.D
Acq: 14 Aug 2025 13:52

Tgt Ion: 117 Resp: 481565
Ion Ratio Lower Upper
117 100
82 60.7 47.4 71.2
119 31.3 23.8 35.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN087562.D

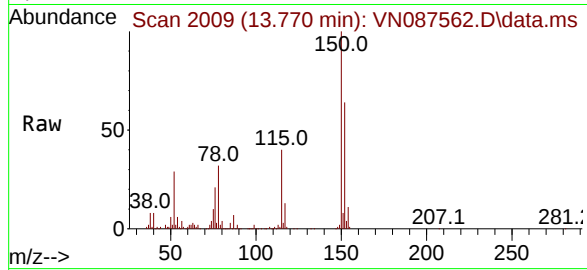
Acq: 14 Aug 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

WC-A5-02-G



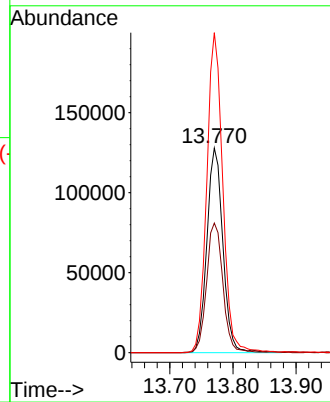
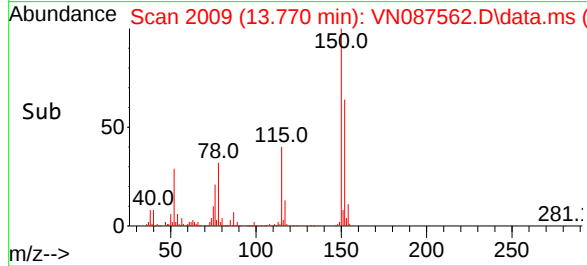
Tgt Ion:152 Resp: 225522

Ion Ratio Lower Upper

152 100

115 64.6 31.1 93.5

150 155.5 0.0 349.0





CALIBRATION SUMMARY



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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ENTA05
 Lab Code: ACE SDG No.: Q2836
 Instrument ID: MSVOA_N Calibration Date(s): 07/16/2025 07/16/2025
 Heated Purge: (Y/N) N Calibration Time(s): 17:05 18:54
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN087328.D		RRF005 = VN087329.D		RRF020 = VN087330.D			
		RRF050 = VN087331.D		RRF100 = VN087332.D		RRF150 = VN087333.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9	
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4	
2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.7	
Carbon Tetrachloride	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.1	
Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	4	
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3	
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8	
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5	
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2	
Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.5	
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6	
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6	
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7	
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5	

* 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_N\methods\
 Method File : 82N071625W.M
 Title : SW846 8260
 Last Update : Thu Jul 17 02:56:13 2025
 Response Via : Initial Calibration

Calibration Files

1 =VN087328.D 5 =VN087329.D 20 =VN087330.D 50 =VN087331.D 100 =VN087332.D 150 =VN087333.D

	Compound	1	5	20	50	100	150	Avg	%RSD
1) I	Pentafluorobenzene	-----ISTD-----							
2) T	Dichlorodifluo...	0.447	0.443	0.443	0.623	0.606	0.625	0.531	17.98
3) P	Chloromethane	0.714	0.659	0.588	0.690	0.659	0.698	0.668	6.70
4) C	Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.93#
5) T	Bromomethane		0.328	0.308	0.355	0.356	0.370	0.344	7.22
6) T	Chloroethane	0.396	0.485	0.431	0.441	0.415	0.429	0.433	6.96
7) T	Trichlorofluor...	0.959	0.975	0.963	1.025	0.960	1.007	0.981	2.83
8) T	Diethyl Ether	0.335	0.391	0.399	0.395	0.371	0.393	0.381	6.40
9) T	1,1,2-Trichlor...	0.463	0.495	0.539	0.525	0.491	0.509	0.504	5.34
10) T	Methyl Iodide		0.288	0.360	0.494	0.554	0.564	0.452	27.17
11) T	Tert butyl alc...		0.164	0.155	0.161	0.161	0.164	0.161	2.41
12) CM	1,1-Dichloroet...	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.41#
13) T	Acrolein		0.140	0.112	0.121	0.130	0.143	0.129	9.85
14) T	Allyl chloride	0.949	0.978	1.134	1.002	0.995	1.141	1.033	8.02
15) T	Acrylonitrile	0.419	0.419	0.455	0.453	0.436	0.440	0.437	3.57
16) T	Acetone	0.455	0.426	0.393	0.387	0.361	0.366	0.398	9.15
17) T	Carbon Disulfide	1.686	1.685	1.669	1.733	1.643	1.739	1.693	2.20
18) T	Methyl Acetate	1.007	1.052	0.991	0.991	0.962	0.993	0.999	2.99
19) T	Methyl tert-bu...	1.911	2.099	2.106	2.167	2.129	2.213	2.104	4.93
20) T	Methylene Chlo...	1.107	0.788	0.700	0.672	0.655	0.672	0.766	22.70
21) T	trans-1,2-Dich...	0.667	0.669	0.643	0.653	0.618	0.613	0.644	3.69
22) T	Diisopropyl ether	1.797	2.199	2.353	2.286	2.165	2.201	2.167	8.94
23) T	Vinyl Acetate	1.421	1.685	2.101	2.114	2.007	2.044	1.895	14.81
24) P	1,1-Dichloroet...	1.304	1.325	1.254	1.222	1.185	1.212	1.250	4.38
25) T	2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.65
26) T	2,2-Dichloropr...	1.013	0.963	1.001	0.982	0.933	0.941	0.972	3.34
27) T	cis-1,2-Dichlo...	0.704	0.737	0.747	0.767	0.740	0.751	0.741	2.83
28) T	Bromochloromet...	0.596	0.640	0.578	0.595	0.597	0.584	0.598	3.64
29) T	Tetrahydrofuran	0.360	0.397	0.413	0.425	0.400	0.401	0.399	5.52
30) C	Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	3.97#
31) T	Cyclohexane		1.148	1.039	1.046	0.981	1.002	1.043	6.16
32) T	1,1,1-Trichlor...	1.043	1.146	1.096	1.084	1.049	1.085	1.084	3.42
33) S	1,2-Dichloroet...		0.939	0.820	0.802	0.818	0.863	0.848	6.56
34) I	1,4-Difluorobenzene	-----ISTD-----							
35) S	Dibromofluorom...		0.347	0.341	0.332	0.348	0.356	0.345	2.55
36) T	1,1-Dichloropr...	0.387	0.437	0.459	0.487	0.477	0.487	0.456	8.47
37) T	Ethyl Acetate	0.587	0.671	0.655	0.706	0.660	0.669	0.658	5.94
38) T	Carbon Tetrach...	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.10
39) T	Methylcyclohexane	0.447	0.442	0.482	0.529	0.519	0.541	0.493	8.62
40) TM	Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.34
41) T	Methacrylonitrile	0.289	0.330	0.362	0.368	0.353	0.363	0.344	8.81
42) TM	1,2-Dichloroet...	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.78
43) T	Isopropyl Acetate	0.938	0.999	1.029	1.071	1.038	1.055	1.022	4.64
44) TM	Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.49
45) C	1,2-Dichloropr...	0.335	0.367	0.395	0.395	0.376	0.378	0.374	5.90#
46) T	Dibromomethane	0.265	0.296	0.279	0.289	0.274	0.278	0.280	3.94
47) T	Bromodichlorom...	0.568	0.572	0.559	0.569	0.553	0.565	0.564	1.21
48) T	Methyl methacr...	0.372	0.412	0.475	0.505	0.493	0.503	0.460	12.06
49) T	1,4-Dioxane	0.006	0.007	0.007	0.008	0.008	0.008	0.007	12.52
50) S	Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.72
51) T	4-Methyl-2-Pen...	0.551	0.641	0.685	0.689	0.658	0.652	0.646	7.79
52) CM	Toluene	0.774	0.849	0.940	0.963	0.916	0.929	0.895	7.93#
53) T	t-1,3-Dichloro...	0.459	0.536	0.586	0.621	0.607	0.619	0.571	11.08
54) T	cis-1,3-Dichlo...	0.489	0.564	0.602	0.632	0.620	0.632	0.590	9.40
55) T	1,1,2-Trichlor...	0.367	0.364	0.365	0.367	0.357	0.354	0.362	1.57
56) T	Ethyl methacry...	0.348	0.486	0.567	0.627	0.626	0.656	0.552	21.20

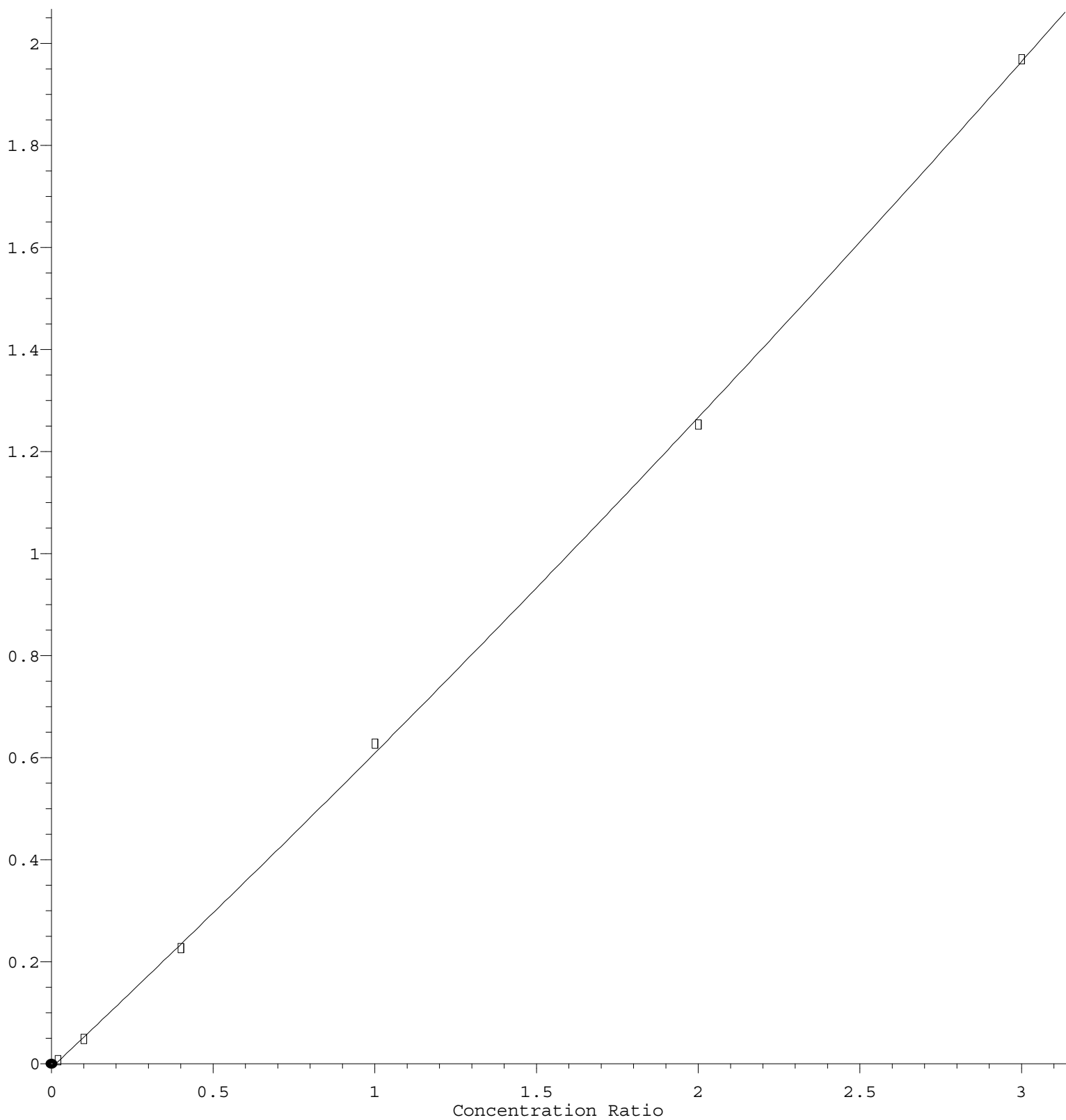
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 82N071625W.M

57)	T	1,3-Dichloropr...	0.556	0.621	0.652	0.655	0.636	0.640	0.627	5.82
58)	T	2-Chloroethyl ...	0.220	0.273	0.303	0.346	0.310	0.332	0.297	15.20
59)	T	2-Hexanone	0.279	0.373	0.465	0.495	0.481	0.479	0.429	19.95
60)	T	Dibromochlorom...	0.352	0.416	0.425	0.430	0.424	0.433	0.413	7.39
61)	T	1,2-Dibromoethane	0.367	0.373	0.391	0.385	0.381	0.389	0.381	2.49
62)	S	4-Bromofluorob...	0.405	0.433	0.455	0.476	0.505	0.455		8.46
63)	I	Chlorobenzene-d5	-----ISTD-----							
64)	T	Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.16
65)	PM	Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.48
66)	T	1,1,1,2-Tetrac...	0.324	0.406	0.393	0.393	0.381	0.394	0.382	7.64
67)	C	Ethyl Benzene	1.643	1.738	1.882	1.942	1.905	1.979	1.848	7.04#
68)	T	m/p-Xylenes	0.541	0.646	0.717	0.758	0.734	0.756	0.692	12.20
69)	T	o-Xylene	0.491	0.606	0.702	0.723	0.710	0.734	0.661	14.39
70)	T	Styrene	0.726	1.032	1.186	1.255	1.217	1.257	1.112	18.59
71)	P	Bromoform	0.246	0.302	0.314	0.328	0.322	0.337	0.308	10.69
72)	I	1,4-Dichlorobenzen...	-----ISTD-----							
73)	T	Isopropylbenzene	2.524	2.889	3.242	3.396	3.302	3.529	3.147	11.86
74)	T	N-amyl acetate	1.309	1.256	1.249	1.138	1.378	1.515	1.307	9.83
75)	P	1,1,2,2-Tetrac...	1.159	1.181	1.228	1.207	1.156	1.174	1.184	2.37
76)	T	1,2,3-Trichlor...	1.208	1.238	1.101	1.191	0.969	1.019	1.121	9.79
77)	T	Bromobenzene	0.669	0.791	0.862	0.869	0.830	0.876	0.816	9.63
78)	T	n-propylbenzene	3.252	3.716	4.089	4.294	4.109	4.295	3.959	10.25
79)	T	2-Chlorotoluene	2.085	2.348	2.535	2.533	2.493	2.605	2.433	7.84
80)	T	1,3,5-Trimethy...	2.069	2.517	2.816	2.928	2.799	2.959	2.681	12.62
81)	T	trans-1,4-Dich...	0.327	0.448	0.404	0.417	0.453	0.410		12.30
82)	T	4-Chlorotoluene	2.225	2.460	2.618	2.647	2.552	2.699	2.533	6.79
83)	T	tert-Butylbenzene	1.781	2.068	2.303	2.423	2.376	2.485	2.239	11.92
84)	T	1,2,4-Trimethy...	2.201	2.411	2.906	3.003	2.872	3.034	2.738	12.64
85)	T	sec-Butylbenzene	3.120	3.136	3.460	3.565	3.387	3.570	3.373	5.98
86)	T	p-Isopropyltol...	2.081	2.417	2.806	2.991	2.893	3.032	2.703	13.90
87)	T	1,3-Dichlorobe...	1.448	1.592	1.651	1.657	1.588	1.674	1.602	5.19
88)	T	1,4-Dichlorobe...	1.807	1.709	1.742	1.703	1.627	1.677	1.711	3.56
89)	T	n-Butylbenzene	2.278	2.425	2.648	2.761	2.614	2.762	2.581	7.49
90)	T	Hexachloroethane	0.593	0.564	0.562	0.576	0.552	0.590	0.573	2.86
91)	T	1,2-Dichlorobe...	1.303	1.534	1.596	1.577	1.510	1.583	1.517	7.23
92)	T	1,2-Dibromo-3-...	0.339	0.325	0.304	0.302	0.290	0.305	0.311	5.76
93)	T	1,2,4-Trichlor...	0.761	0.860	0.875	0.937	0.921	0.994	0.891	8.94
94)	T	Hexachlorobuta...	0.351	0.337	0.324	0.329	0.316	0.331	0.331	3.57
95)	T	Naphthalene	2.486	2.658	3.113	3.441	3.451	3.797	3.158	16.01
96)	T	1,2,3-Trichlor...	0.803	0.844	0.887	0.922	0.917	0.992	0.894	7.37

(#) = Out of Range

Ethyl methacrylate

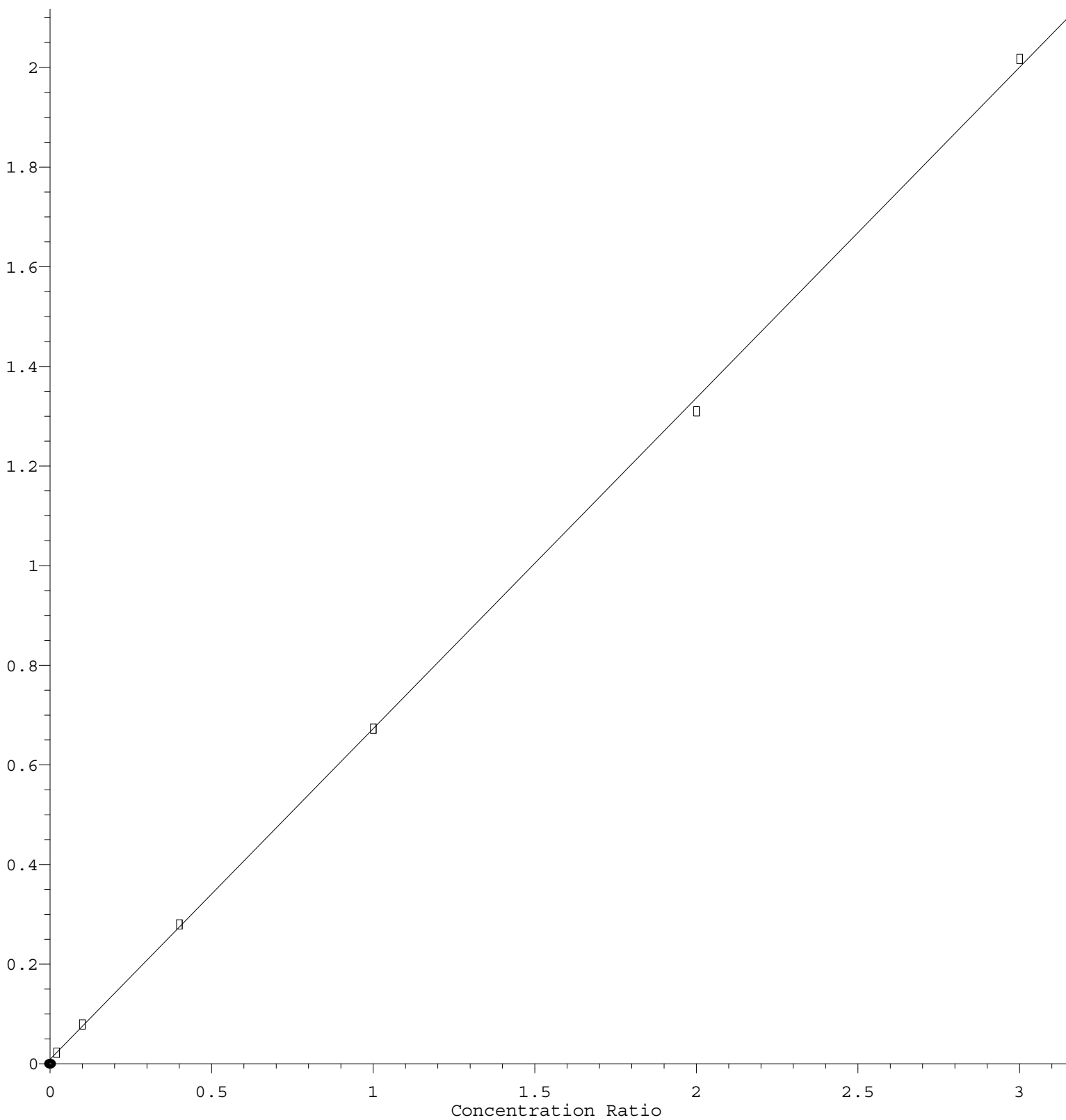
Response Ratio



$R = 2.028 \times 10^{-2} A^2 + 5.966 \times 10^{-1} A - 7.578 \times 10^{-3}$
Coef of Det (r^2) = 0.999797 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071625W.M
Calibration Table Last Updated: Thu Jul 17 02:56:13 2025

Methylene Chloride

Response Ratio



$$\text{Response} = 6.638\text{e-}001 * \text{Amt} + 8.611\text{e-}003$$

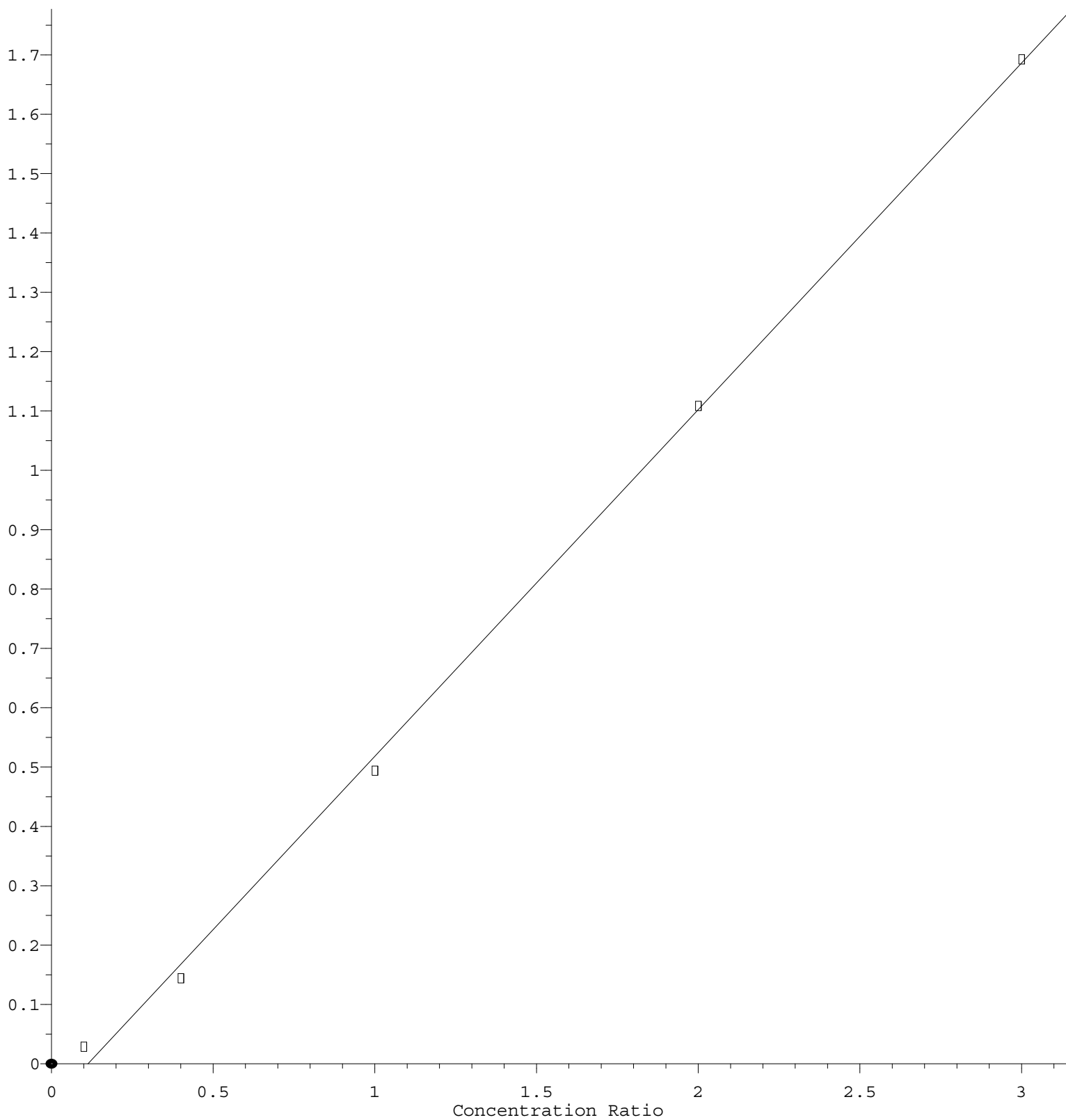
Coef of Det (r^2) = 0.999669 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071625W.M

Calibration Table Last Updated: Thu Jul 17 02:56:13 2025

Methyl Iodide

Response Ratio



$$\text{Response} = 5.841\text{e-}001 * \text{Amt} - 6.578\text{e-}002$$

Coef of Det (r^2) = 0.998697 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N071625W.M

Calibration Table Last Updated: Thu Jul 17 02:56:13 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087328.D
 Acq On : 16 Jul 2025 17:05
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:16:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	166177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	312474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	274838	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	128808	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	2.142	85	1484	0.841	ug/l	98
3) Chloromethane	2.389	50	2372	1.069	ug/l	96
4) Vinyl Chloride	2.542	62	1841	0.835	ug/l #	68
6) Chloroethane	3.153	64	1316	0.915	ug/l	93
7) Trichlorofluoromethane	3.506	101	3187	0.977	ug/l	92
8) Diethyl Ether	3.965	74	1114	0.880	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.371	101	1539	0.919	ug/l #	31
12) 1,1-Dichloroethene	4.347	96	2112	1.113	ug/l #	53
14) Allyl chloride	5.012	41	3155m	0.919	ug/l	
15) Acrylonitrile	5.712	53	6965	4.794	ug/l #	80
16) Acetone	4.430	43	7566m	5.660	ug/l	
17) Carbon Disulfide	4.700	76	5602	0.996	ug/l #	71
18) Methyl Acetate	5.018	43	3347	1.008	ug/l #	74
19) Methyl tert-butyl Ether	5.789	73	6351m	0.908	ug/l	
20) Methylene Chloride	5.271	84	3679	1.019	ug/l #	74
21) trans-1,2-Dichloroethene	5.777	96	2216	1.036	ug/l #	53
22) Diisopropyl ether	6.659	45	5973	0.829	ug/l #	75
23) Vinyl Acetate	6.600	43	23617	3.749	ug/l #	93
24) 1,1-Dichloroethane	6.547	63	4333	1.043	ug/l #	83
25) 2-Butanone	7.477	43	9174	4.491	ug/l	99
26) 2,2-Dichloropropane	7.471	77	3368	1.043	ug/l #	67
27) cis-1,2-Dichloroethene	7.471	96	2340	0.950	ug/l	99
28) Bromochloromethane	7.794	49	1982	0.997	ug/l #	85
29) Tetrahydrofuran	7.835	42	5981	4.507	ug/l	94
30) Chloroform	7.953	83	3924	0.943	ug/l #	71
32) 1,1,1-Trichloroethane	8.165	97	3468	0.963	ug/l #	45
36) 1,1-Dichloropropene	8.353	75	2421	0.850	ug/l	96
37) Ethyl Acetate	7.547	43	3670	0.892	ug/l #	82
38) Carbon Tetrachloride	8.341	117	2833	0.903	ug/l #	83
39) Methylcyclohexane	9.588	83	2794	0.906	ug/l #	86
40) Benzene	8.588	78	8561	0.930	ug/l	97
41) Methacrylonitrile	7.771	41	1805	0.839	ug/l #	87
42) 1,2-Dichloroethane	8.653	62	3456	0.990	ug/l	89
43) Isopropyl Acetate	8.677	43	5865	0.919	ug/l #	95
44) Trichloroethene	9.341	130	2331	1.072	ug/l	70
45) 1,2-Dichloropropane	9.606	63	2094	0.895	ug/l #	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087328.D
 Acq On : 16 Jul 2025 17:05
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:16:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.694	93	1657	0.946	ug/l #	87
47) Bromodichloromethane	9.871	83	3549	1.006	ug/l #	91
48) Methyl methacrylate	9.671	41	2322	0.808	ug/l	94
49) 1,4-Dioxane	9.682	88	696	15.810	ug/l #	53
51) 4-Methyl-2-Pentanone	10.429	43	17216	4.263	ug/l	91
52) Toluene	10.612	92	4834	0.864	ug/l	91
53) t-1,3-Dichloropropene	10.818	75	2869	0.804	ug/l #	56
54) cis-1,3-Dichloropropene	10.294	75	3059	0.830	ug/l	94
55) 1,1,2-Trichloroethane	11.000	97	2294	1.013	ug/l #	83
56) Ethyl methacrylate	10.859	69	2173	1.217	ug/l #	90
57) 1,3-Dichloropropane	11.141	76	3477	0.888	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.141	63	6887	3.707	ug/l	96
59) 2-Hexanone	11.182	43	8707	3.250	ug/l	87
60) Dibromochloromethane	11.347	129	2200	0.852	ug/l	82
61) 1,2-Dibromoethane	11.459	107	2291	0.962	ug/l	90
64) Tetrachloroethene	11.088	164	1807	1.022	ug/l #	75
65) Chlorobenzene	11.870	112	6259	1.014	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	1783	0.850	ug/l #	50
67) Ethyl Benzene	11.941	91	9031	0.889	ug/l	92
68) m/p-Xylenes	12.053	106	5952	1.565	ug/l	97
69) o-Xylene	12.388	106	2700	0.743	ug/l	91
70) Styrene	12.400	104	3989	0.653	ug/l	91
71) Bromoform	12.559	173	1351	0.797	ug/l #	94
73) Isopropylbenzene	12.682	105	6501	0.802	ug/l	95
74) N-amyl acetate	12.841	43	3372m	1.065	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	2986	0.979	ug/l #	78
76) 1,2,3-Trichloropropane	12.976	75	3113m	1.089	ug/l	
77) Bromobenzene	12.953	156	1724	0.820	ug/l	79
78) n-propylbenzene	13.017	91	8378	0.821	ug/l	95
79) 2-Chlorotoluene	13.100	91	5372	0.857	ug/l	93
80) 1,3,5-Trimethylbenzene	13.147	105	5329	0.772	ug/l	93
82) 4-Chlorotoluene	13.200	91	5733	0.878	ug/l	96
83) tert-Butylbenzene	13.412	119	4588	0.795	ug/l	90
84) 1,2,4-Trimethylbenzene	13.464	105	5671	0.804	ug/l	87
85) sec-Butylbenzene	13.594	105	8037	0.925	ug/l	97
86) p-Isopropyltoluene	13.712	119	5360	0.770	ug/l	92
87) 1,3-Dichlorobenzene	13.712	146	3731	0.904	ug/l	89
88) 1,4-Dichlorobenzene	13.794	146	4655m	1.056	ug/l	
89) n-Butylbenzene	14.035	91	5869	0.883	ug/l	91
90) Hexachloroethane	14.317	117	1527	1.035	ug/l	87
91) 1,2-Dichlorobenzene	14.088	146	3358	0.859	ug/l	85
92) 1,2-Dibromo-3-Chloropr...	14.711	75	874	1.091	ug/l #	56
93) 1,2,4-Trichlorobenzene	15.376	180	1960	0.854	ug/l	78
94) Hexachlorobutadiene	15.476	225	903	1.058	ug/l	76
95) Naphthalene	15.611	128	6404	0.787	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.806	180	2068	0.898	ug/l	99

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

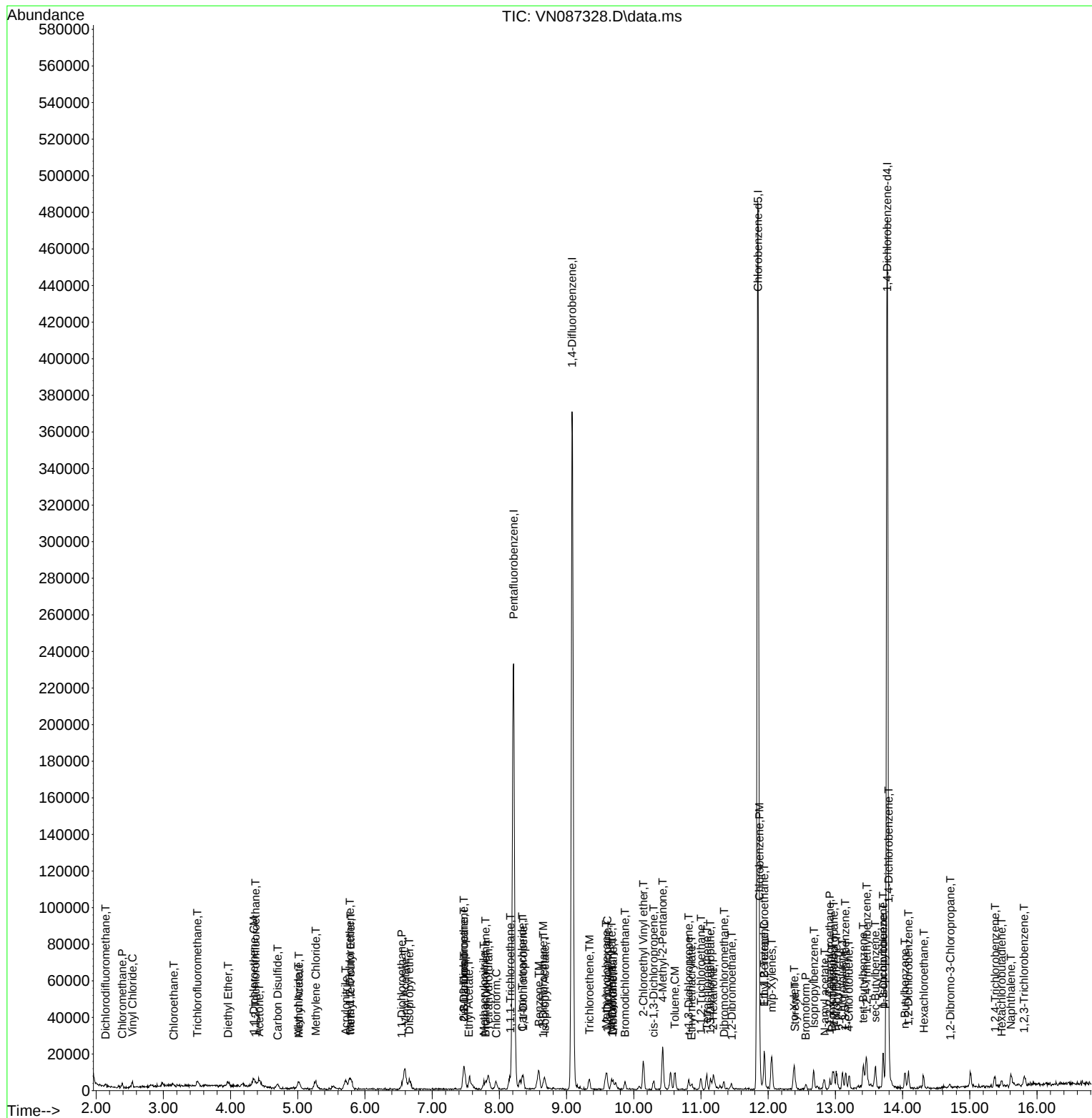
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\  
Data File : VN087328.D  
Acq On    : 16 Jul 2025 17:05  
Operator  : JC\MD  
Sample    : VSTDIC001  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 3 Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:16:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087329.D
 Acq On : 16 Jul 2025 17:27
 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 :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	172217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	319926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	285583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	146494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	16177	5.536	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.080%#		
35) Dibromofluoromethane	8.153	113	11111	5.035	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.060%#		
50) Toluene-d8	10.547	98	37751	4.796	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.600%#		
62) 4-Bromofluorobenzene	12.829	95	12943	4.450	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.900%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	7633	4.173	ug/l	90
3) Chloromethane	2.383	50	11350	4.934	ug/l	96
4) Vinyl Chloride	2.536	62	11459	5.013	ug/l	98
5) Bromomethane	2.971	94	5657	4.779	ug/l	87
6) Chloroethane	3.124	64	8358	5.606	ug/l #	81
7) Trichlorofluoromethane	3.506	101	16796	4.969	ug/l #	83
8) Diethyl Ether	3.959	74	6731	5.133	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.371	101	8532	4.917	ug/l #	19
10) Methyl Iodide	4.577	142	4952m	8.093	ug/l	
11) Tert butyl alcohol	5.536	59	14147	25.497	ug/l	98
12) 1,1-Dichloroethene	4.330	96	11037	5.613	ug/l #	83
13) Acrolein	4.177	56	12045	27.050	ug/l	96
14) Allyl chloride	5.006	41	16836	4.731	ug/l	97
15) Acrylonitrile	5.718	53	36114	23.986	ug/l	92
16) Acetone	4.430	43	36648	26.455	ug/l	96
17) Carbon Disulfide	4.695	76	29024	4.979	ug/l	94
18) Methyl Acetate	5.006	43	18125	5.265	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	36155	4.989	ug/l	95
20) Methylene Chloride	5.259	84	13570	5.286	ug/l #	86
21) trans-1,2-Dichloroethene	5.765	96	11514	5.193	ug/l	81
22) Diisopropyl ether	6.671	45	37879	5.075	ug/l #	97
23) Vinyl Acetate	6.594	43	145089	22.225	ug/l #	94
24) 1,1-Dichloroethane	6.547	63	22819	5.299	ug/l	95
25) 2-Butanone	7.477	43	52336	24.722	ug/l	95
26) 2,2-Dichloropropane	7.483	77	16583	4.953	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	12690	4.972	ug/l	99
28) Bromochloromethane	7.789	49	11022	5.348	ug/l #	16
29) Tetrahydrofuran	7.830	42	34146	24.829	ug/l	99
30) Chloroform	7.959	83	22369	5.190	ug/l	84
31) Cyclohexane	8.236	56	19764	5.502	ug/l	87
32) 1,1,1-Trichloroethane	8.153	97	19739	5.287	ug/l #	51
36) 1,1-Dichloropropene	8.347	75	13965	4.790	ug/l	98
37) Ethyl Acetate	7.553	43	21482	5.102	ug/l	97
38) Carbon Tetrachloride	8.341	117	16718	5.205	ug/l #	89
39) Methylcyclohexane	9.582	83	14154	4.484	ug/l	86
40) Benzene	8.583	78	45748	4.855	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087329.D
 Acq On : 16 Jul 2025 17:27
 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 :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:17:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	10551	4.792	ug/l	97
42) 1,2-Dichloroethane	8.653	62	18086	5.061	ug/l	96
43) Isopropyl Acetate	8.677	43	31964	4.890	ug/l	100
44) Trichloroethene	9.335	130	10573	4.748	ug/l	79
45) 1,2-Dichloropropane	9.606	63	11728	4.898	ug/l	95
46) Dibromomethane	9.694	93	9473	5.284	ug/l	96
47) Bromodichloromethane	9.865	83	18300	5.068	ug/l #	82
48) Methyl methacrylate	9.665	41	13169	4.475	ug/l	95
49) 1,4-Dioxane	9.682	88	4176	92.653	ug/l #	87
51) 4-Methyl-2-Pentanone	10.430	43	102519	24.797	ug/l	97
52) Toluene	10.612	92	27158	4.742	ug/l	96
53) t-1,3-Dichloropropene	10.824	75	17133	4.688	ug/l #	87
54) cis-1,3-Dichloropropene	10.294	75	18046	4.780	ug/l	97
55) 1,1,2-Trichloroethane	11.000	97	11643	5.021	ug/l #	88
56) Ethyl methacrylate	10.859	69	15548	4.693	ug/l	95
57) 1,3-Dichloropropane	11.141	76	19868	4.956	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.147	63	43690	22.968	ug/l	94
59) 2-Hexanone	11.182	43	59736	21.778	ug/l	99
60) Dibromochloromethane	11.335	129	13321	5.037	ug/l	100
61) 1,2-Dibromoethane	11.453	107	11942	4.898	ug/l	89
64) Tetrachloroethene	11.082	164	9660	5.256	ug/l	95
65) Chlorobenzene	11.871	112	32304	5.038	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	11581	5.312	ug/l	96
67) Ethyl Benzene	11.947	91	49622	4.701	ug/l	92
68) m/p-Xylenes	12.059	106	36883	9.332	ug/l	98
69) o-Xylene	12.376	106	17293	4.580	ug/l	97
70) Styrene	12.394	104	29462	4.639	ug/l	99
71) Bromoform	12.559	173	8628	4.899	ug/l #	96
73) Isopropylbenzene	12.676	105	42320	4.590	ug/l	98
74) N-amyl acetate	12.647	43	18405m	5.113	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	17305	4.988	ug/l	95
76) 1,2,3-Trichloropropane	12.976	75	18135m	5.580	ug/l	
77) Bromobenzene	12.965	156	11589	4.847	ug/l	84
78) n-propylbenzene	13.018	91	54443	4.693	ug/l	99
79) 2-Chlorotoluene	13.106	91	34400	4.825	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	36874	4.694	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	4795	3.994	ug/l #	80
82) 4-Chlorotoluene	13.200	91	36031	4.854	ug/l	98
83) tert-Butylbenzene	13.418	119	30293	4.617	ug/l	96
84) 1,2,4-Trimethylbenzene	13.465	105	35326	4.403	ug/l	99
85) sec-Butylbenzene	13.594	105	45947	4.649	ug/l	98
86) p-Isopropyltoluene	13.706	119	35413	4.471	ug/l	97
87) 1,3-Dichlorobenzene	13.718	146	23326	4.970	ug/l	95
88) 1,4-Dichlorobenzene	13.794	146	25031	4.994	ug/l	90
89) n-Butylbenzene	14.035	91	35522	4.697	ug/l	95
90) Hexachloroethane	14.312	117	8261	4.923	ug/l	98
91) 1,2-Dichlorobenzene	14.088	146	22474	5.055	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	4757	5.223	ug/l	87
93) 1,2,4-Trichlorobenzene	15.364	180	12595	4.823	ug/l	97
94) Hexachlorobutadiene	15.476	225	4936	5.087	ug/l	98
95) Naphthalene	15.617	128	38936	4.208	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	12368	4.721	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087329.D
Acq On : 16 Jul 2025 17:27
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 :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 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

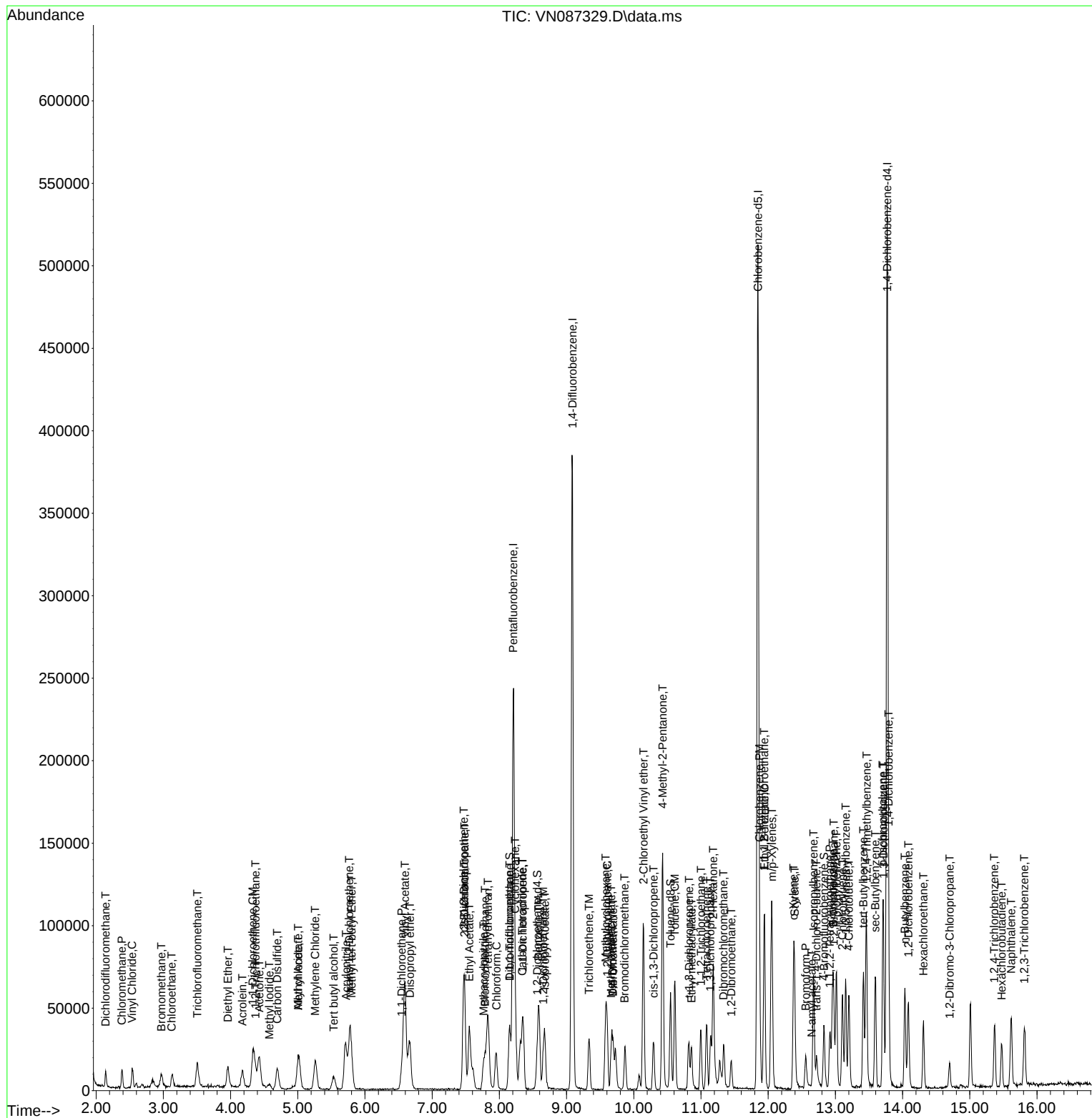
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\  
Data File : VN087329.D  
Acq On    : 16 Jul 2025  17:27  
Operator  : JC\MD  
Sample    : VSTDIC005  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 4      Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:17:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087330.D
 Acq On : 16 Jul 2025 17:49
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:18:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	178514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	328159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	297202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	156249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	58584	19.341	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.680%#		
35) Dibromofluoromethane	8.153	113	44726	19.758	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.520%#		
50) Toluene-d8	10.547	98	154381	19.119	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.240%#		
62) 4-Bromofluorobenzene	12.829	95	56832	19.051	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.100%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	31604	16.669	ug/l	86
3) Chloromethane	2.383	50	41982	17.608	ug/l	94
4) Vinyl Chloride	2.542	62	44508	18.784	ug/l	99
5) Bromomethane	2.971	94	22025	17.950	ug/l	98
6) Chloroethane	3.130	64	30785	19.922	ug/l	100
7) Trichlorofluoromethane	3.506	101	68764	19.626	ug/l	97
8) Diethyl Ether	3.959	74	28520	20.984	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	38516	21.414	ug/l	95
10) Methyl Iodide	4.577	142	25698	17.955	ug/l	97
11) Tert butyl alcohol	5.530	59	55298	96.147	ug/l	99
12) 1,1-Dichloroethene	4.330	96	39480	19.370	ug/l	96
13) Acrolein	4.177	56	40135	86.954	ug/l	98
14) Allyl chloride	5.006	41	80983	21.955	ug/l	88
15) Acrylonitrile	5.712	53	162325	104.007	ug/l	99
16) Acetone	4.424	43	140161	97.607	ug/l	93
17) Carbon Disulfide	4.700	76	119191	19.725	ug/l #	93
18) Methyl Acetate	5.012	43	70735	19.824	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	150385	20.018	ug/l	97
20) Methylene Chloride	5.265	84	49951	20.427	ug/l	87
21) trans-1,2-Dichloroethene	5.771	96	45917	19.980	ug/l	90
22) Diisopropyl ether	6.659	45	168043	21.719	ug/l	97
23) Vinyl Acetate	6.594	43	750202	110.863	ug/l	98
24) 1,1-Dichloroethane	6.559	63	89552	20.062	ug/l	95
25) 2-Butanone	7.477	43	231983	105.718	ug/l	96
26) 2,2-Dichloropropane	7.483	77	71478	20.596	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	53347	20.162	ug/l	98
28) Bromochloromethane	7.794	49	41285	19.325	ug/l	100
29) Tetrahydrofuran	7.830	42	147436	103.426	ug/l	99
30) Chloroform	7.953	83	93018	20.819	ug/l	100
31) Cyclohexane	8.241	56	74161	19.915	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	78235	20.217	ug/l	97
36) 1,1-Dichloropropene	8.359	75	60302	20.163	ug/l	98
37) Ethyl Acetate	7.553	43	85921	19.893	ug/l	98
38) Carbon Tetrachloride	8.347	117	65336	19.832	ug/l	95
39) Methylcyclohexane	9.588	83	63264	19.539	ug/l	95
40) Benzene	8.588	78	197187	20.400	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087330.D
 Acq On : 16 Jul 2025 17:49
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:18:38 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M

Quant Title : SW846 8260

QLast Update : Thu Jul 17 02:09:29 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	47550	21.054	ug/l	97
42) 1,2-Dichloroethane	8.659	62	74680	20.374	ug/l	99
43) Isopropyl Acetate	8.677	43	135010	20.136	ug/l	99
44) Trichloroethene	9.335	130	44202	19.354	ug/l	98
45) 1,2-Dichloropropane	9.606	63	51786	21.086	ug/l	97
46) Dibromomethane	9.688	93	36673	19.943	ug/l	96
47) Bromodichloromethane	9.871	83	73409	19.819	ug/l	93
48) Methyl methacrylate	9.665	41	62316	20.645	ug/l	99
49) 1,4-Dioxane	9.682	88	18509	400.357	ug/l #	100
51) 4-Methyl-2-Pentanone	10.429	43	449710	106.046	ug/l	99
52) Toluene	10.612	92	123391	21.002	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	76959	20.530	ug/l	92
54) cis-1,3-Dichloropropene	10.294	75	79019	20.407	ug/l	96
55) 1,1,2-Trichloroethane	11.000	97	47960	20.164	ug/l	94
56) Ethyl methacrylate	10.859	69	74408	19.384	ug/l	99
57) 1,3-Dichloropropane	11.147	76	85537	20.800	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	198704	101.839	ug/l	100
59) 2-Hexanone	11.182	43	305342	108.526	ug/l	99
60) Dibromochloromethane	11.341	129	55783	20.564	ug/l	98
61) 1,2-Dibromoethane	11.447	107	51292	20.509	ug/l	97
64) Tetrachloroethene	11.082	164	37655	19.686	ug/l	93
65) Chlorobenzene	11.871	112	134668	20.183	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.941	131	46671	20.570	ug/l	98
67) Ethyl Benzene	11.947	91	223715	20.367	ug/l	100
68) m/p-Xylenes	12.053	106	170590	41.473	ug/l	98
69) o-Xylene	12.376	106	83415	21.230	ug/l	98
70) Styrene	12.388	104	140937	21.323	ug/l	100
71) Bromoform	12.559	173	37362	20.383	ug/l #	99
73) Isopropylbenzene	12.676	105	202595	20.601	ug/l	100
74) N-amyl acetate	12.512	43	78074m	20.334	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	76720	20.733	ug/l	98
76) 1,2,3-Trichloropropane	12.976	75	68839m	19.858	ug/l	
77) Bromobenzene	12.959	156	53881	21.127	ug/l	97
78) n-propylbenzene	13.017	91	255577	20.656	ug/l	99
79) 2-Chlorotoluene	13.106	91	158436	20.836	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	176006	21.006	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	27975	21.846	ug/l	90
82) 4-Chlorotoluene	13.200	91	163615	20.667	ug/l	99
83) tert-Butylbenzene	13.417	119	143954	20.571	ug/l	98
84) 1,2,4-Trimethylbenzene	13.465	105	181623	21.226	ug/l	100
85) sec-Butylbenzene	13.594	105	216256	20.516	ug/l	99
86) p-Isopropyltoluene	13.706	119	175352	20.758	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	103157	20.609	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	108898	20.370	ug/l	98
89) n-Butylbenzene	14.035	91	165484	20.516	ug/l	99
90) Hexachloroethane	14.312	117	35108	19.615	ug/l	96
91) 1,2-Dichlorobenzene	14.088	146	99750	21.036	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	19015	19.573	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	54714	19.643	ug/l	99
94) Hexachlorobutadiene	15.476	225	20248	19.563	ug/l	96
95) Naphthalene	15.617	128	194574	19.718	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	55463	19.850	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087330.D
Acq On : 16 Jul 2025 17:49
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:18:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 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

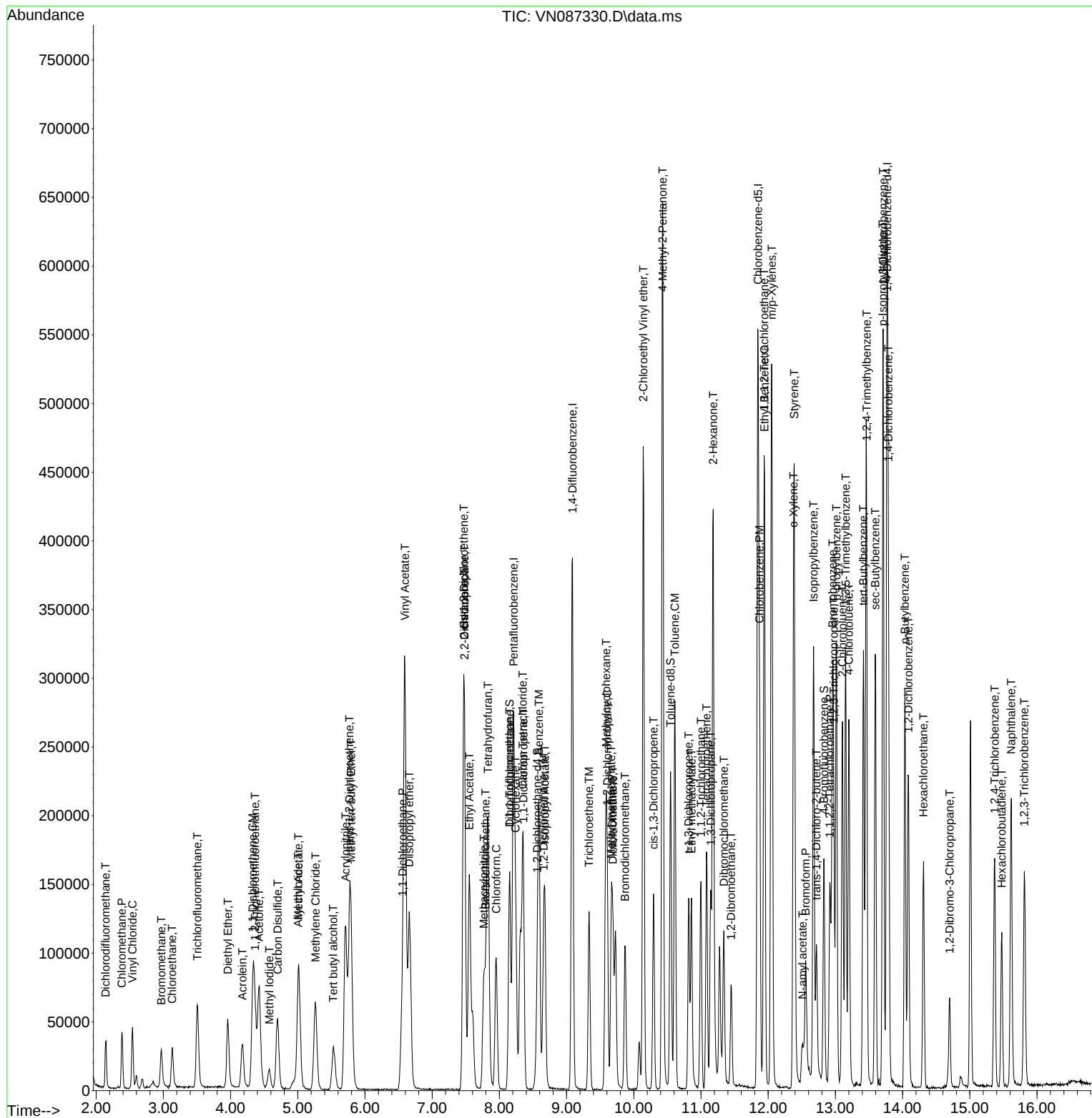
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\  
Data File : VN087330.D  
Acq On    : 16 Jul 2025  17:49  
Operator  : JC\MD  
Sample    : VSTDIC020  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 5      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:18:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087331.D
 Acq On : 16 Jul 2025 18:11
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:19:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	182792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	325711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	300150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	158477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	146559	47.253	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.500%		
35) Dibromofluoromethane	8.147	113	108271	48.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.380%		
50) Toluene-d8	10.547	98	398776	49.757	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.520%		
62) 4-Bromofluorobenzene	12.829	95	148158	50.037	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.080%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	113853	58.643	ug/l	100
3) Chloromethane	2.383	50	126054	51.631	ug/l	100
4) Vinyl Chloride	2.542	62	132985	54.810	ug/l	100
5) Bromomethane	2.971	94	64982	51.719	ug/l	100
6) Chloroethane	3.130	64	80606	50.942	ug/l	100
7) Trichlorofluoromethane	3.506	101	187302	52.206	ug/l	100
8) Diethyl Ether	3.959	74	72151	51.843	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.359	101	95895	52.068	ug/l	100
10) Methyl Iodide	4.577	142	90277	47.912	ug/l	100
11) Tert butyl alcohol	5.524	59	146939	249.504	ug/l	100
12) 1,1-Dichloroethene	4.330	96	99569	47.708	ug/l	100
13) Acrolein	4.177	56	110711	234.247	ug/l	100
14) Allyl chloride	5.012	41	183089	48.475	ug/l	100
15) Acrylonitrile	5.712	53	414273	259.227	ug/l	100
16) Acetone	4.424	43	353373	240.328	ug/l	100
17) Carbon Disulfide	4.694	76	316833	51.205	ug/l	100
18) Methyl Acetate	5.012	43	181199	49.594	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	396133	51.495	ug/l	100
20) Methylene Chloride	5.259	84	122921	50.001	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	119278	50.687	ug/l	100
22) Diisopropyl ether	6.665	45	417843	52.740	ug/l	100
23) Vinyl Acetate	6.588	43	1931809	278.796	ug/l	100
24) 1,1-Dichloroethane	6.553	63	223298	48.853	ug/l	100
25) 2-Butanone	7.471	43	588032	261.702	ug/l	100
26) 2,2-Dichloropropane	7.471	77	179431	50.492	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	140194	51.746	ug/l	100
28) Bromochloromethane	7.800	49	108748	49.713	ug/l	100
29) Tetrahydrofuran	7.829	42	388704	266.294	ug/l	100
30) Chloroform	7.953	83	233747	51.092	ug/l	100
31) Cyclohexane	8.241	56	191116	50.122	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	198135	50.002	ug/l	100
36) 1,1-Dichloropropene	8.353	75	158563	53.418	ug/l	100
37) Ethyl Acetate	7.547	43	230005	53.652	ug/l	100
38) Carbon Tetrachloride	8.347	117	168403	51.501	ug/l	100
39) Methylcyclohexane	9.582	83	172297	53.614	ug/l	100
40) Benzene	8.594	78	505723	52.714	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087331.D
 Acq On : 16 Jul 2025 18:11
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:19:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	119895	53.486	ug/l	100
42) 1,2-Dichloroethane	8.653	62	184670	50.759	ug/l	100
43) Isopropyl Acetate	8.677	43	348709	52.399	ug/l	100
44) Trichloroethene	9.335	130	115974	51.160	ug/l	100
45) 1,2-Dichloropropane	9.606	63	128530	52.726	ug/l	100
46) Dibromomethane	9.688	93	94179	51.601	ug/l	100
47) Bromodichloromethane	9.871	83	185222	50.382	ug/l	100
48) Methyl methacrylate	9.665	41	164476	54.899	ug/l	100
49) 1,4-Dioxane	9.682	88	52072	1134.802	ug/l #	100
51) 4-Methyl-2-Pentanone	10.429	43	1122857	266.771	ug/l	100
52) Toluene	10.612	92	313806	53.814	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	202129	54.327	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	205720	53.529	ug/l	100
55) 1,1,2-Trichloroethane	11.000	97	119612	50.666	ug/l	100
56) Ethyl methacrylate	10.859	69	204376	51.427	ug/l	100
57) 1,3-Dichloropropane	11.141	76	213343	52.267	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	562790	290.607	ug/l	100
59) 2-Hexanone	11.182	43	806824	288.920	ug/l	100
60) Dibromochloromethane	11.341	129	139955	51.982	ug/l	100
61) 1,2-Dibromoethane	11.453	107	125416	50.525	ug/l	100
64) Tetrachloroethene	11.088	164	96176	49.786	ug/l	100
65) Chlorobenzene	11.870	112	335833	49.837	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	117833	51.425	ug/l	100
67) Ethyl Benzene	11.947	91	582851	52.540	ug/l	100
68) m/p-Xylenes	12.053	106	455017	109.536	ug/l	100
69) o-Xylene	12.376	106	217121	54.717	ug/l	100
70) Styrene	12.394	104	376745	56.440	ug/l	100
71) Bromoform	12.559	173	98549	53.237	ug/l #	100
73) Isopropylbenzene	12.676	105	538245	53.964	ug/l	100
74) N-amyl acetate	12.494	43	180343m	46.310	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	191273	50.964	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	188824m	53.705	ug/l	
77) Bromobenzene	12.959	156	137669	53.221	ug/l	100
78) n-propylbenzene	13.017	91	680506	54.227	ug/l	100
79) 2-Chlorotoluene	13.106	91	401444	52.051	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	464063	54.607	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.717	75	63993	49.271	ug/l	100
82) 4-Chlorotoluene	13.200	91	419474	52.240	ug/l	100
83) tert-Butylbenzene	13.417	119	383986	54.099	ug/l	100
84) 1,2,4-Trimethylbenzene	13.464	105	475982	54.846	ug/l	100
85) sec-Butylbenzene	13.594	105	565038	52.851	ug/l	100
86) p-Isopropyltoluene	13.706	119	473942	55.316	ug/l	100
87) 1,3-Dichlorobenzene	13.711	146	262675	51.740	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	269881	49.773	ug/l	100
89) n-Butylbenzene	14.035	91	437514	53.478	ug/l	100
90) Hexachloroethane	14.311	117	91313	50.301	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	249988	51.977	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	47931	48.643	ug/l	100
93) 1,2,4-Trichlorobenzene	15.370	180	148472	52.553	ug/l	100
94) Hexachlorobutadiene	15.476	225	52130	49.659	ug/l	100
95) Naphthalene	15.617	128	545367	54.490	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	146080	51.547	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087331.D
Acq On : 16 Jul 2025 18:11
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:19:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 2025
Response via : Initial Calibration

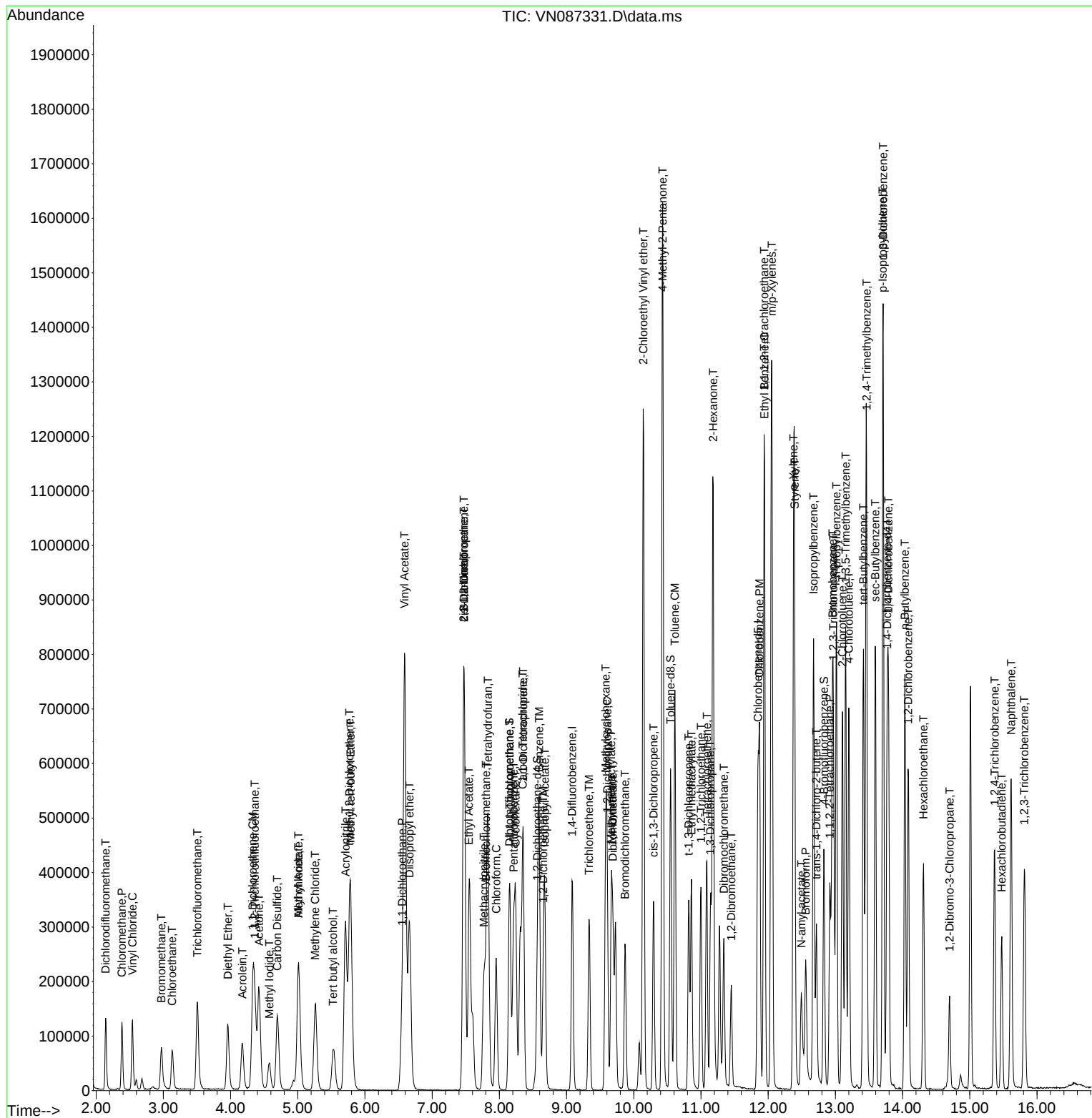
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087332.D
 Acq On : 16 Jul 2025 18:32
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:20:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	192275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	339591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	314849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	168489	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	314416	96.373	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 192.740%#	
35) Dibromofluoromethane	8.153	113	236468	100.947	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 201.900%#	
50) Toluene-d8	10.547	98	852301	101.999	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 204.000%#	
62) 4-Bromofluorobenzene	12.829	95	323070	104.650	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 209.300%#	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	233197	114.190	ug/l	92
3) Chloromethane	2.383	50	253369	98.660	ug/l	98
4) Vinyl Chloride	2.542	62	266221	104.312	ug/l	94
5) Bromomethane	2.959	94	136793	103.503	ug/l	96
6) Chloroethane	3.124	64	159422	95.783	ug/l	92
7) Trichlorofluoromethane	3.501	101	369032	97.786	ug/l	98
8) Diethyl Ether	3.959	74	142652	97.445	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	188841	97.477	ug/l	100
10) Methyl Iodide	4.571	142	213127	100.524	ug/l	99
11) Tert butyl alcohol	5.536	59	309615	499.800	ug/l	99
12) 1,1-Dichloroethene	4.336	96	197760	90.083	ug/l	95
13) Acrolein	4.177	56	250115	503.102	ug/l	99
14) Allyl chloride	5.006	41	382812	96.355	ug/l	100
15) Acrylonitrile	5.706	53	839080	499.150	ug/l	100
16) Acetone	4.424	43	693485	448.375	ug/l	96
17) Carbon Disulfide	4.695	76	631695	97.056	ug/l	95
18) Methyl Acetate	5.012	43	369894	96.247	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	818763	101.186	ug/l	98
20) Methylene Chloride	5.259	84	251830	98.001	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	237704	96.030	ug/l	94
22) Diisopropyl ether	6.659	45	832709	99.921	ug/l	96
23) Vinyl Acetate	6.594	43	3859420	529.516	ug/l	97
24) 1,1-Dichloroethane	6.553	63	455820	94.807	ug/l	100
25) 2-Butanone	7.471	43	1185700	501.667	ug/l	98
26) 2,2-Dichloropropane	7.477	77	358596	95.932	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	284578	99.858	ug/l	98
28) Bromochloromethane	7.800	49	229544	99.757	ug/l	100
29) Tetrahydrofuran	7.830	42	768521	500.532	ug/l	98
30) Chloroform	7.953	83	466838	97.008	ug/l	99
31) Cyclohexane	8.241	56	377159	94.035	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	403445	96.794	ug/l	97
36) 1,1-Dichloropropene	8.353	75	324047	104.705	ug/l	99
37) Ethyl Acetate	7.547	43	448428	100.326	ug/l	99
38) Carbon Tetrachloride	8.347	117	342043	100.328	ug/l	99
39) Methylcyclohexane	9.582	83	352211	105.118	ug/l	96
40) Benzene	8.588	78	1007257	100.700	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087332.D
 Acq On : 16 Jul 2025 18:32
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:20:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	239659	102.544	ug/l	99
42) 1,2-Dichloroethane	8.653	62	369731	97.472	ug/l	99
43) Isopropyl Acetate	8.677	43	704936	101.598	ug/l	99
44) Trichloroethene	9.335	130	230373	97.472	ug/l	93
45) 1,2-Dichloropropane	9.606	63	255369	100.478	ug/l	96
46) Dibromomethane	9.694	93	185908	97.696	ug/l	98
47) Bromodichloromethane	9.871	83	375910	98.072	ug/l	97
48) Methyl methacrylate	9.665	41	334941	107.228	ug/l	97
49) 1,4-Dioxane	9.688	88	102159	2135.348	ug/l #	95
51) 4-Methyl-2-Pentanone	10.429	43	2234274	509.127	ug/l	100
52) Toluene	10.612	92	622259	102.349	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	412142	106.245	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	421386	105.164	ug/l	98
55) 1,1,2-Trichloroethane	11.000	97	242683	98.595	ug/l	97
56) Ethyl methacrylate	10.859	69	425458	98.980	ug/l	98
57) 1,3-Dichloropropane	11.147	76	431753	101.453	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	1052628	521.327	ug/l	99
59) 2-Hexanone	11.176	43	1631949	560.508	ug/l	99
60) Dibromochloromethane	11.341	129	287682	102.484	ug/l	99
61) 1,2-Dibromoethane	11.453	107	258936	100.051	ug/l	98
64) Tetrachloroethene	11.082	164	195044	96.252	ug/l	97
65) Chlorobenzene	11.871	112	687696	97.289	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	239722	99.736	ug/l	99
67) Ethyl Benzene	11.947	91	1199510	103.080	ug/l	99
68) m/p-Xylenes	12.053	106	924069	212.065	ug/l	99
69) o-Xylene	12.376	106	447092	107.413	ug/l	100
70) Styrene	12.394	104	766471	109.464	ug/l	98
71) Bromoform	12.559	173	202915	104.498	ug/l #	99
73) Isopropylbenzene	12.676	105	1112821	104.940	ug/l	100
74) N-amyl acetate	12.482	43	464246	112.129	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.918	83	389392	97.587	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	326434m	87.327	ug/l	
77) Bromobenzene	12.959	156	279589	101.662	ug/l	100
78) n-propylbenzene	13.018	91	1384517	103.771	ug/l	99
79) 2-Chlorotoluene	13.106	91	840073	102.452	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	943119	104.383	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	140673	101.874	ug/l	96
82) 4-Chlorotoluene	13.200	91	859965	100.734	ug/l	99
83) tert-Butylbenzene	13.418	119	800700	106.106	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	967878	104.898	ug/l	100
85) sec-Butylbenzene	13.594	105	1141320	100.410	ug/l	98
86) p-Isopropyltoluene	13.706	119	975014	107.037	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	535172	99.151	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	548212	95.097	ug/l	99
89) n-Butylbenzene	14.035	91	880763	101.260	ug/l	99
90) Hexachloroethane	14.312	117	185973	96.358	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	508902	99.523	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	97572	93.137	ug/l	94
93) 1,2,4-Trichlorobenzene	15.364	180	310448	103.357	ug/l	99
94) Hexachlorobutadiene	15.476	225	106429	95.360	ug/l	98
95) Naphthalene	15.611	128	1162930	109.289	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	308888	102.519	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087332.D
Acq On : 16 Jul 2025 18:32
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:20:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 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\VN071625\
 Data File : VN087332.D
 Acq On : 16 Jul 2025 18:32
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025

Supervised By :Semsettin Yesilyurt 07/17/2025

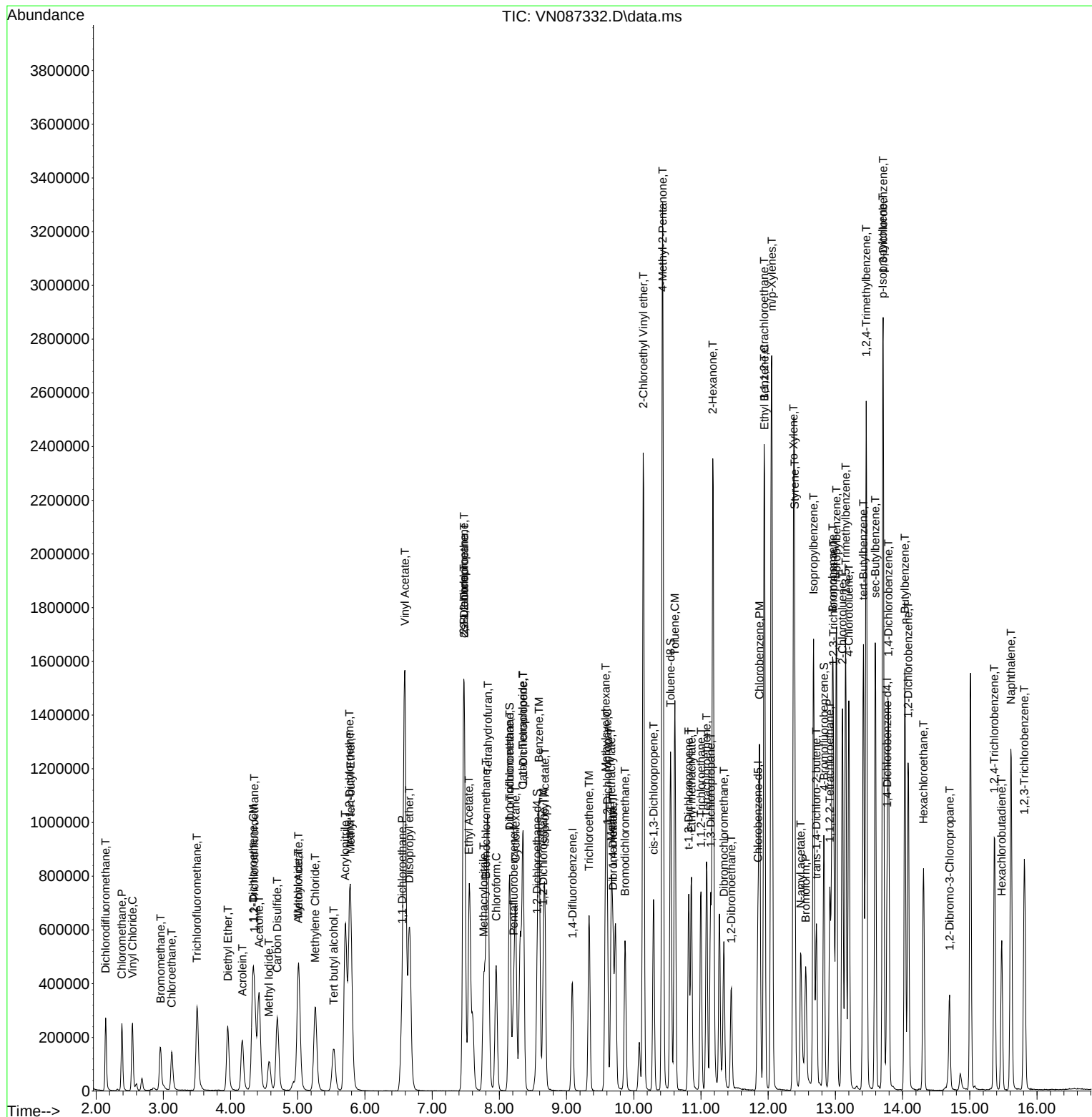
Quant Time: Jul 17 02:20:26 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M

Quant Title : SW846 8260

QLast Update : Thu Jul 17 02:09:29 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087333.D
 Acq On : 16 Jul 2025 18:54
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 17 02:21:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	193853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	344966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	317026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	165077	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	501760	152.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 305.080%#			
35) Dibromofluoromethane	8.153	113	368306	154.778	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 309.560%#			
50) Toluene-d8	10.547	98	1362098	160.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 320.940%#			
62) 4-Bromofluorobenzene	12.829	95	522221	166.525	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 333.040%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	363327	176.463	ug/l	95
3) Chloromethane	2.383	50	405800	156.728	ug/l	99
4) Vinyl Chloride	2.542	62	418507	162.646	ug/l	94
5) Bromomethane	2.942	94	215335	161.604	ug/l	95
6) Chloroethane	3.118	64	249466	148.663	ug/l	100
7) Trichlorofluoromethane	3.501	101	585457	153.872	ug/l	97
8) Diethyl Ether	3.959	74	228544	154.847	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	296076	151.587	ug/l	99
10) Methyl Iodide	4.571	142	328079	150.516	ug/l	99
11) Tert butyl alcohol	5.536	59	478279	765.784	ug/l	100
12) 1,1-Dichloroethene	4.330	96	312325	141.111	ug/l	97
13) Acrolein	4.177	56	415488	828.945	ug/l	100
14) Allyl chloride	5.006	41	663403	165.621	ug/l	91
15) Acrylonitrile	5.706	53	1279363	754.869	ug/l	100
16) Acetone	4.424	43	1064061	682.373	ug/l	96
17) Carbon Disulfide	4.695	76	1011315	154.118	ug/l	95
18) Methyl Acetate	5.012	43	577536	149.052	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	1286728	157.724	ug/l	95
20) Methylene Chloride	5.259	84	390988	151.266	ug/l	94
21) trans-1,2-Dichloroethene	5.765	96	356549	142.870	ug/l	96
22) Diisopropyl ether	6.659	45	1280267	152.375	ug/l	99
23) Vinyl Acetate	6.589	43	5943020	808.750	ug/l	98
24) 1,1-Dichloroethane	6.553	63	704727	145.384	ug/l	98
25) 2-Butanone	7.477	43	1797146	754.179	ug/l	98
26) 2,2-Dichloropropane	7.477	77	547190	145.193	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	437021	152.102	ug/l	99
28) Bromochloromethane	7.800	49	339529	146.355	ug/l	100
29) Tetrahydrofuran	7.830	42	1166702	753.679	ug/l	98
30) Chloroform	7.953	83	717424	147.865	ug/l	98
31) Cyclohexane	8.241	56	582988	144.170	ug/l	94
32) 1,1,1-Trichloroethane	8.153	97	630986	150.152	ug/l	98
36) 1,1-Dichloropropene	8.353	75	503793	160.248	ug/l	99
37) Ethyl Acetate	7.553	43	692256	152.464	ug/l	98
38) Carbon Tetrachloride	8.347	117	535575	154.647	ug/l	98
39) Methylcyclohexane	9.583	83	559851	164.485	ug/l	98
40) Benzene	8.588	78	1550984	152.642	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087333.D
 Acq On : 16 Jul 2025 18:54
 Operator : JC\MD
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:21:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:09:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	375482	158.156	ug/l	99
42) 1,2-Dichloroethane	8.653	62	571634	148.352	ug/l	100
43) Isopropyl Acetate	8.677	43	1091736	154.893	ug/l	99
44) Trichloroethene	9.335	130	364760	151.927	ug/l	96
45) 1,2-Dichloropropane	9.606	63	391676	151.708	ug/l	97
46) Dibromomethane	9.694	93	287252	148.602	ug/l	98
47) Bromodichloromethane	9.871	83	584546	150.128	ug/l	99
48) Methyl methacrylate	9.665	41	520990	164.191	ug/l	99
49) 1,4-Dioxane	9.688	88	157400	3238.745	ug/l #	93
51) 4-Methyl-2-Pentanone	10.430	43	3375607	757.219	ug/l	99
52) Toluene	10.612	92	961314	155.654	ug/l	99
53) t-1,3-Dichloropropene	10.818	75	640188	162.462	ug/l	94
54) cis-1,3-Dichloropropene	10.294	75	654301	160.747	ug/l	96
55) 1,1,2-Trichloroethane	11.000	97	365858	146.322	ug/l	99
56) Ethyl methacrylate	10.859	69	679202	150.296	ug/l	96
57) 1,3-Dichloropropane	11.147	76	662154	153.168	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1717427	837.324	ug/l	100
59) 2-Hexanone	11.177	43	2477578	837.689	ug/l	98
60) Dibromochloromethane	11.341	129	448307	157.217	ug/l	99
61) 1,2-Dibromoethane	11.453	107	402978	153.282	ug/l	97
64) Tetrachloroethene	11.082	164	301404	147.718	ug/l	97
65) Chlorobenzene	11.871	112	1066757	149.878	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	375162	155.013	ug/l	98
67) Ethyl Benzene	11.941	91	1881920	160.613	ug/l	99
68) m/p-Xylenes	12.053	106	1437290	327.579	ug/l	98
69) o-Xylene	12.376	106	698363	166.628	ug/l	98
70) Styrene	12.394	104	1195068	169.502	ug/l	99
71) Bromoform	12.559	173	320960	164.154	ug/l #	99
73) Isopropylbenzene	12.676	105	1747567	168.203	ug/l	100
74) N-amyl acetate	12.482	43	750104	184.917	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.918	83	581568	148.761	ug/l	100
76) 1,2,3-Trichloropropane	12.971	75	504791m	137.832	ug/l	
77) Bromobenzene	12.959	156	433814	161.001	ug/l	99
78) n-propylbenzene	13.018	91	2127215	162.733	ug/l	100
79) 2-Chlorotoluene	13.106	91	1290205	160.600	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	1465159	165.514	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	224191	165.713	ug/l	95
82) 4-Chlorotoluene	13.200	91	1336462	159.785	ug/l	100
83) tert-Butylbenzene	13.418	119	1230683	166.457	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	1502651	166.222	ug/l	100
85) sec-Butylbenzene	13.594	105	1767949	158.754	ug/l	99
86) p-Isopropyltoluene	13.706	119	1501303	168.219	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	828885	156.742	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	830255	147.000	ug/l	99
89) n-Butylbenzene	14.035	91	1367813	160.505	ug/l	98
90) Hexachloroethane	14.312	117	292183	154.518	ug/l	97
91) 1,2-Dichlorobenzene	14.082	146	784106	156.513	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	151090	147.203	ug/l	93
93) 1,2,4-Trichlorobenzene	15.370	180	492237	167.266	ug/l	99
94) Hexachlorobutadiene	15.476	225	163922	149.909	ug/l	99
95) Naphthalene	15.612	128	1880423	180.370	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	491195	166.396	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087333.D
Acq On : 16 Jul 2025 18:54
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 02:21:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:09:29 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\VN071625\
 Data File : VN087333.D
 Acq On : 16 Jul 2025 18:54
 Operator : JC\MD
 Sample : VSTDIC150
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

MSVOA_N

Client Sample Id :

VSTDIC150

Manual Integrations

APPROVED

Reviewed By : Mahesh Dadoda 07/17/2025

Supervised By : Semsettin Yesilyurt 07/17/2025

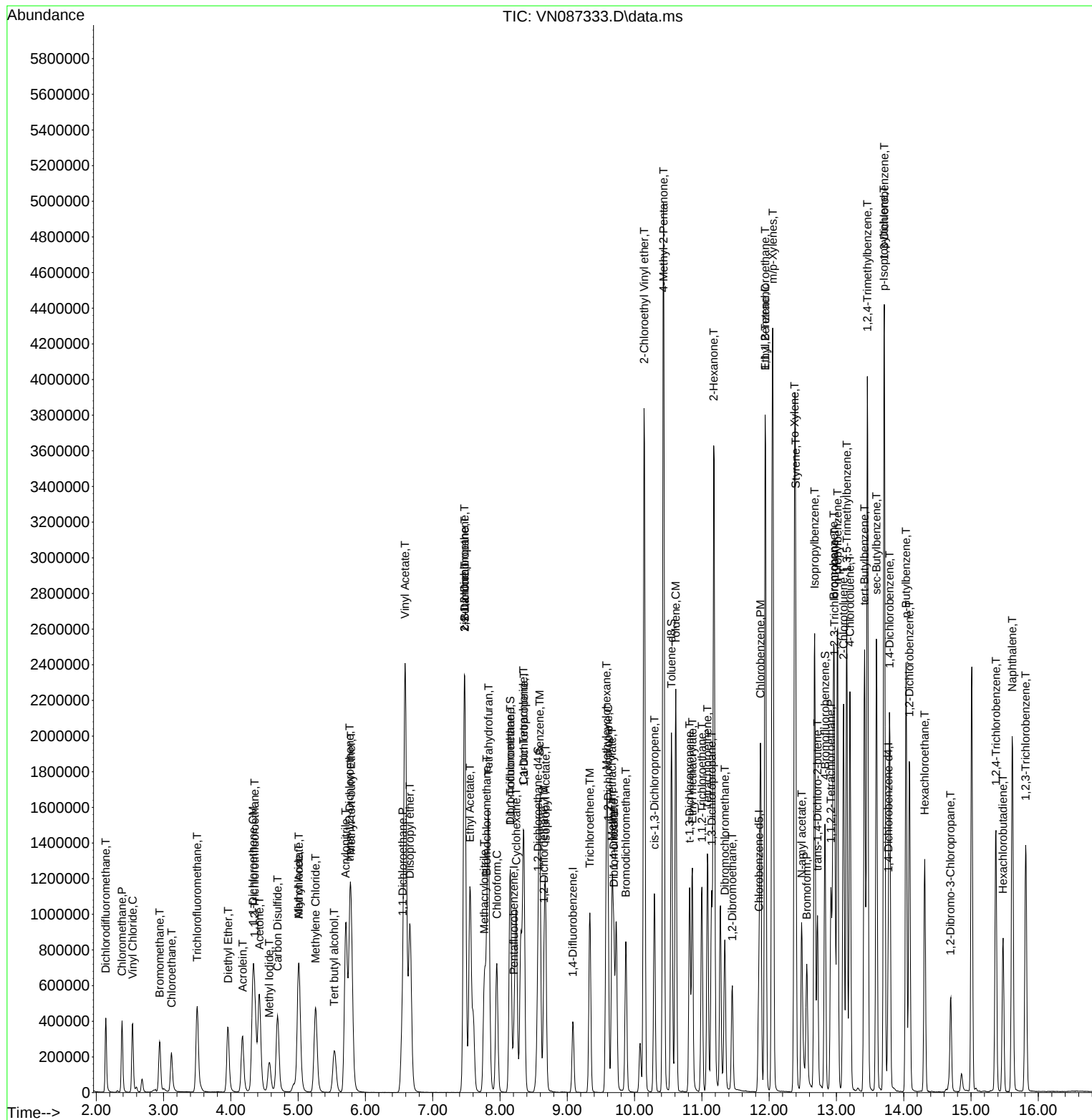
Quant Time: Jul 17 02:21:25 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M

Quant Title : SW846 8260

QLast Update : Thu Jul 17 02:09:29 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087335.D
 Acq On : 16 Jul 2025 19:59
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071625

Quant Time: Jul 17 03:00:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	198299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	343165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	319692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	166959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	162194	48.204	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.400%		
35) Dibromofluoromethane	8.153	113	118201	49.934	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.860%		
50) Toluene-d8	10.547	98	435474	51.573	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.140%		
62) 4-Bromofluorobenzene	12.829	95	165160	52.942	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	122218	58.029	ug/l	94
3) Chloromethane	2.383	50	135040	50.986	ug/l	99
4) Vinyl Chloride	2.542	62	141054	53.589	ug/l	93
5) Bromomethane	2.971	94	79496	58.322	ug/l	100
6) Chloroethane	3.130	64	84406	49.172	ug/l	97
7) Trichlorofluoromethane	3.506	101	192022	49.336	ug/l	93
8) Diethyl Ether	3.959	74	76789	50.861	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	98940	49.520	ug/l	99
10) Methyl Iodide	4.577	142	103627	50.369	ug/l	98
11) Tert butyl alcohol	5.530	59	167953	262.884	ug/l	99
12) 1,1-Dichloroethene	4.330	96	102861	45.432	ug/l	97
13) Acrolein	4.171	56	142098	277.145	ug/l	97
14) Allyl chloride	5.006	41	200790	49.004	ug/l	99
15) Acrylonitrile	5.706	53	437956	252.616	ug/l	99
16) Acetone	4.424	43	375335	237.913	ug/l	100
17) Carbon Disulfide	4.700	76	335264	49.947	ug/l	96
18) Methyl Acetate	5.018	43	194657	49.111	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	425099	50.939	ug/l	94
20) Methylene Chloride	5.265	84	131885	49.445	ug/l	93
21) trans-1,2-Dichloroethene	5.771	96	120707	47.283	ug/l	97
22) Diisopropyl ether	6.659	45	439978	51.191	ug/l	97
23) Vinyl Acetate	6.594	43	2052885	273.101	ug/l	98
24) 1,1-Dichloroethane	6.553	63	238854	48.170	ug/l	99
25) 2-Butanone	7.477	43	622581	255.411	ug/l	98
26) 2,2-Dichloropropane	7.477	77	176180	45.700	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	148552	50.543	ug/l	96
28) Bromochloromethane	7.800	49	116494	49.089	ug/l	98
29) Tetrahydrofuran	7.830	42	412353	260.404	ug/l	100
30) Chloroform	7.947	83	239752	48.306	ug/l	100
31) Cyclohexane	8.241	56	202863	49.042	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	212405	49.412	ug/l	99
36) 1,1-Dichloropropene	8.353	75	167912	53.690	ug/l	99
37) Ethyl Acetate	7.553	43	241759	53.525	ug/l	99
38) Carbon Tetrachloride	8.347	117	181974	52.821	ug/l	90
39) Methylcyclohexane	9.582	83	179820	53.109	ug/l	96
40) Benzene	8.588	78	529446	52.380	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087335.D
 Acq On : 16 Jul 2025 19:59
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN071625

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
 Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:00:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	127286	53.895	ug/l	98
42) 1,2-Dichloroethane	8.653	62	194804	50.821	ug/l	98
43) Isopropyl Acetate	8.677	43	374957	53.477	ug/l	100
44) Trichloroethene	9.335	130	118775	49.731	ug/l	95
45) 1,2-Dichloropropane	9.606	63	135864	52.900	ug/l	99
46) Dibromomethane	9.688	93	98534	51.241	ug/l	98
47) Bromodichloromethane	9.871	83	200236	51.696	ug/l	97
48) Methyl methacrylate	9.665	41	177068	56.096	ug/l	99
49) 1,4-Dioxane	9.682	88	56917	1177.300	ug/l #	97
51) 4-Methyl-2-Pentanone	10.429	43	1192765	268.966	ug/l	99
52) Toluene	10.612	92	320922	52.236	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	214141	54.628	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	216023	53.351	ug/l	96
55) 1,1,2-Trichloroethane	11.000	97	124090	49.889	ug/l	97
56) Ethyl methacrylate	10.859	69	222410	53.042	ug/l	98
57) 1,3-Dichloropropane	11.147	76	224493	52.202	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	581689	285.088	ug/l	99
59) 2-Hexanone	11.176	43	849057	288.579	ug/l	100
60) Dibromochloromethane	11.341	129	149449	52.685	ug/l	100
61) 1,2-Dibromoethane	11.447	107	135330	51.746	ug/l	94
64) Tetrachloroethene	11.082	164	98391	47.819	ug/l	97
65) Chlorobenzene	11.870	112	347934	48.477	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	123321	50.530	ug/l	99
67) Ethyl Benzene	11.947	91	608779	51.523	ug/l	99
68) m/p-Xylenes	12.053	106	465762	105.269	ug/l	97
69) o-Xylene	12.376	106	224934	53.221	ug/l	99
70) Styrene	12.394	104	387319	54.477	ug/l	98
71) Bromoform	12.559	173	102502	51.987	ug/l #	99
73) Isopropylbenzene	12.676	105	573938	54.619	ug/l	100
74) N-amyl acetate	12.494	43	218170m	49.972	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	203947	51.580	ug/l	98
76) 1,2,3-Trichloropropane	12.976	75	175797m	46.955	ug/l	
77) Bromobenzene	12.959	156	142714	52.368	ug/l	99
78) n-propylbenzene	13.012	91	709437	53.661	ug/l	99
79) 2-Chlorotoluene	13.106	91	426373	52.475	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	484100	54.071	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	69894	51.080	ug/l	97
82) 4-Chlorotoluene	13.200	91	443817	52.464	ug/l	99
83) tert-Butylbenzene	13.417	119	413882	55.349	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	500792	54.773	ug/l	99
85) sec-Butylbenzene	13.594	105	594712	52.800	ug/l	98
86) p-Isopropyltoluene	13.706	119	496291	54.982	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	277102	51.809	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	282084	49.381	ug/l	99
89) n-Butylbenzene	14.035	91	458964	53.250	ug/l	99
90) Hexachloroethane	14.312	117	93464	48.870	ug/l	95
91) 1,2-Dichlorobenzene	14.088	146	260874	51.485	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	50904	49.035	ug/l	97
93) 1,2,4-Trichlorobenzene	15.370	180	155818	52.351	ug/l	99
94) Hexachlorobutadiene	15.476	225	55599	50.273	ug/l	98
95) Naphthalene	15.617	128	586097	55.585	ug/l	98
96) 1,2,3-Trichlorobenzene	15.811	180	157909	52.890	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

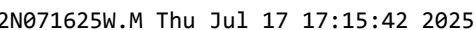
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/17/2025
Supervised By :Semsettin Yesilyurt 07/17/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087335.D
 Acq On : 16 Jul 2025 19:59
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071625

Quant Time: Jul 17 03:00:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	108	0.00
2 T	Dichlorodifluoromethane	0.531	0.616	-16.0	107	0.00
3 P	Chloromethane	0.668	0.681	-1.9	107	0.00
4 C	Vinyl Chloride	0.664	0.711	-7.1#	106	0.00
5 T	Bromomethane	0.344	0.401	-16.6	122	0.00
6 T	Chloroethane	0.433	0.426	1.6	105	0.00
7 T	Trichlorofluoromethane	0.981	0.968	1.3	103	0.00
8 T	Diethyl Ether	0.381	0.387	-1.6	106	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.504	0.499	1.0	103	0.00
10 T	Methyl Iodide	0.452	0.523	-15.7	115	0.00
11 T	Tert butyl alcohol	0.161	0.169	-5.0	114	0.00
12 CM	1,1-Dichloroethene	0.571	0.519	9.1#	103	0.00
13 T	Acrolein	0.129	0.143	-10.9	128	0.00
14 T	Allyl chloride	1.033	1.013	1.9	110	0.00
15 T	Acrylonitrile	0.437	0.442	-1.1	106	0.00
16 T	Acetone	0.398	0.379	4.8	106	0.00
17 T	Carbon Disulfide	1.693	1.691	0.1	106	0.00
18 T	Methyl Acetate	0.999	0.982	1.7	107	0.00
19 T	Methyl tert-butyl Ether	2.104	2.144	-1.9	107	0.00
20 T	Methylene Chloride	0.766	0.665	13.2	107	0.00
21 T	trans-1,2-Dichloroethene	0.644	0.609	5.4	101	0.00
22 T	Diisopropyl ether	2.167	2.219	-2.4	105	0.00
23 T	Vinyl Acetate	1.895	2.070	-9.2	106	0.00
24 P	1,1-Dichloroethane	1.250	1.205	3.6	107	0.00
25 T	2-Butanone	0.615	0.628	-2.1	106	0.00
26 T	2,2-Dichloropropane	0.972	0.888	8.6	98	0.00
27 T	cis-1,2-Dichloroethene	0.741	0.749	-1.1	106	0.00
28 T	Bromochloromethane	0.598	0.587	1.8	107	0.00
29 T	Tetrahydrofuran	0.399	0.416	-4.3	106	0.00
30 C	Chloroform	1.251	1.209	3.4#	103	0.00
31 T	Cyclohexane	1.043	1.023	1.9	106	0.00
32 T	1,1,1-Trichloroethane	1.084	1.071	1.2	107	0.00
33 S	1,2-Dichloroethane-d4	0.848	0.818	3.5	111	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35 S	Dibromofluoromethane	0.345	0.344	0.3	109	0.00
36 T	1,1-Dichloropropene	0.456	0.489	-7.2	106	0.00
37 T	Ethyl Acetate	0.658	0.704	-7.0	105	0.00
38 T	Carbon Tetrachloride	0.502	0.530	-5.6	108	0.00
39 T	Methylcyclohexane	0.493	0.524	-6.3	104	0.00
40 TM	Benzene	1.473	1.543	-4.8	105	0.00
41 T	Methacrylonitrile	0.344	0.371	-7.8	106	0.00
42 TM	1,2-Dichloroethane	0.558	0.568	-1.8	105	0.00
43 T	Isopropyl Acetate	1.022	1.093	-6.9	108	0.00
44 TM	Trichloroethene	0.348	0.346	0.6	102	0.00
45 C	1,2-Dichloropropane	0.374	0.396	-5.9#	106	0.00
46 T	Dibromomethane	0.280	0.287	-2.5	105	0.00
47 T	Bromodichloromethane	0.564	0.583	-3.4	108	0.00
48 T	Methyl methacrylate	0.460	0.516	-12.2	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087335.D
 Acq On : 16 Jul 2025 19:59
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN071625

Quant Time: Jul 17 03:00:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 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	109	0.00
50 S	Toluene-d8	1.230	1.269	-3.2	109	0.00
51 T	4-Methyl-2-Pentanone	0.646	0.695	-7.6	106	0.00
52 CM	Toluene	0.895	0.935	-4.5#	102	0.00
53 T	t-1,3-Dichloropropene	0.571	0.624	-9.3	106	0.00
54 T	cis-1,3-Dichloropropene	0.590	0.630	-6.8	105	0.00
55 T	1,1,2-Trichloroethane	0.362	0.362	0.0	104	0.00
56 T	Ethyl methacrylate	0.552	0.648	-17.4	109	0.00
57 T	1,3-Dichloropropane	0.627	0.654	-4.3	105	0.00
58 T	2-Chloroethyl Vinyl ether	0.297	0.339	-14.1	103	0.00
59 T	2-Hexanone	0.429	0.495	-15.4	105	0.00
60 T	Dibromochloromethane	0.413	0.436	-5.6	107	0.00
61 T	1,2-Dibromoethane	0.381	0.394	-3.4	108	0.00
62 S	4-Bromofluorobenzene	0.455	0.481	-5.7	111	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64 T	Tetrachloroethene	0.322	0.308	4.3	102	0.00
65 PM	Chlorobenzene	1.123	1.088	3.1	104	0.00
66 T	1,1,1,2-Tetrachloroethane	0.382	0.386	-1.0	105	0.00
67 C	Ethyl Benzene	1.848	1.904	-3.0#	104	0.00
68 T	m/p-Xylenes	0.692	0.728	-5.2	102	0.00
69 T	o-Xylene	0.661	0.704	-6.5	104	0.00
70 T	Styrene	1.112	1.212	-9.0	103	0.00
71 P	Bromoform	0.308	0.321	-4.2	104	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73 T	Isopropylbenzene	3.147	3.438	-9.2	107	0.00
74 T	N-amyl acetate	1.307	1.307	0.0	121	0.00
75 P	1,1,2,2-Tetrachloroethane	1.184	1.222	-3.2	107	0.00
76 T	1,2,3-Trichloropropane	1.121	1.053	6.1	93	0.00
77 T	Bromobenzene	0.816	0.855	-4.8	104	0.00
78 T	n-propylbenzene	3.959	4.249	-7.3	104	0.00
79 T	2-Chlorotoluene	2.433	2.554	-5.0	106	0.00
80 T	1,3,5-Trimethylbenzene	2.681	2.900	-8.2	104	0.00
81 T	trans-1,4-Dichloro-2-butene	0.410	0.419	-2.2	109	0.00
82 T	4-Chlorotoluene	2.533	2.658	-4.9	106	0.00
83 T	tert-Butylbenzene	2.239	2.479	-10.7	108	0.00
84 T	1,2,4-Trimethylbenzene	2.738	2.999	-9.5	105	0.00
85 T	sec-Butylbenzene	3.373	3.562	-5.6	105	0.00
86 T	p-Isopropyltoluene	2.703	2.973	-10.0	105	0.00
87 T	1,3-Dichlorobenzene	1.602	1.660	-3.6	105	0.00
88 T	1,4-Dichlorobenzene	1.711	1.690	1.2	105	0.00
89 T	n-Butylbenzene	2.581	2.749	-6.5	105	0.00
90 T	Hexachloroethane	0.573	0.560	2.3	102	0.00
91 T	1,2-Dichlorobenzene	1.517	1.563	-3.0	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.311	0.305	1.9	106	0.00
93 T	1,2,4-Trichlorobenzene	0.891	0.933	-4.7	105	0.00
94 T	Hexachlorobutadiene	0.331	0.333	-0.6	107	0.00
95 T	Naphthalene	3.158	3.510	-11.1	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 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	0.894	0.946	-5.8	108	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087335.D
 Acq On : 16 Jul 2025 19:59
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071625

Quant Time: Jul 17 03:00:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	108	0.00
2 T	Dichlorodifluoromethane	50.000	58.029	-16.1	107	0.00
3 P	Chloromethane	50.000	50.986	-2.0	107	0.00
4 C	Vinyl Chloride	50.000	53.589	-7.2#	106	0.00
5 T	Bromomethane	50.000	58.322	-16.6	122	0.00
6 T	Chloroethane	50.000	49.172	1.7	105	0.00
7 T	Trichlorofluoromethane	50.000	49.336	1.3	103	0.00
8 T	Diethyl Ether	50.000	50.861	-1.7	106	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	49.520	1.0	103	0.00
10 T	Methyl Iodide	50.000	50.369	-0.7	115	0.00
11 T	Tert butyl alcohol	250.000	262.884	-5.2	114	0.00
12 CM	1,1-Dichloroethene	50.000	45.432	9.1#	103	0.00
13 T	Acrolein	250.000	277.145	-10.9	128	0.00
14 T	Allyl chloride	50.000	49.004	2.0	110	0.00
15 T	Acrylonitrile	250.000	252.616	-1.0	106	0.00
16 T	Acetone	250.000	237.913	4.8	106	0.00
17 T	Carbon Disulfide	50.000	49.947	0.1	106	0.00
18 T	Methyl Acetate	50.000	49.111	1.8	107	0.00
19 T	Methyl tert-butyl Ether	50.000	50.939	-1.9	107	0.00
20 T	Methylene Chloride	50.000	49.445	1.1	107	0.00
21 T	trans-1,2-Dichloroethene	50.000	47.283	5.4	101	0.00
22 T	Diisopropyl ether	50.000	51.191	-2.4	105	0.00
23 T	Vinyl Acetate	250.000	273.101	-9.2	106	0.00
24 P	1,1-Dichloroethane	50.000	48.170	3.7	107	0.00
25 T	2-Butanone	250.000	255.411	-2.2	106	0.00
26 T	2,2-Dichloropropane	50.000	45.700	8.6	98	0.00
27 T	cis-1,2-Dichloroethene	50.000	50.543	-1.1	106	0.00
28 T	Bromochloromethane	50.000	49.089	1.8	107	0.00
29 T	Tetrahydrofuran	250.000	260.404	-4.2	106	0.00
30 C	Chloroform	50.000	48.306	3.4#	103	0.00
31 T	Cyclohexane	50.000	49.042	1.9	106	0.00
32 T	1,1,1-Trichloroethane	50.000	49.412	1.2	107	0.00
33 S	1,2-Dichloroethane-d4	50.000	48.204	3.6	111	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35 S	Dibromofluoromethane	50.000	49.934	0.1	109	0.00
36 T	1,1-Dichloropropene	50.000	53.690	-7.4	106	0.00
37 T	Ethyl Acetate	50.000	53.525	-7.0	105	0.00
38 T	Carbon Tetrachloride	50.000	52.821	-5.6	108	0.00
39 T	Methylcyclohexane	50.000	53.109	-6.2	104	0.00
40 TM	Benzene	50.000	52.380	-4.8	105	0.00
41 T	Methacrylonitrile	50.000	53.895	-7.8	106	0.00
42 TM	1,2-Dichloroethane	50.000	50.821	-1.6	105	0.00
43 T	Isopropyl Acetate	50.000	53.477	-7.0	108	0.00
44 TM	Trichloroethene	50.000	49.731	0.5	102	0.00
45 C	1,2-Dichloropropane	50.000	52.900	-5.8#	106	0.00
46 T	Dibromomethane	50.000	51.241	-2.5	105	0.00
47 T	Bromodichloromethane	50.000	51.696	-3.4	108	0.00
48 T	Methyl methacrylate	50.000	56.096	-12.2	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
 Data File : VN087335.D
 Acq On : 16 Jul 2025 19:59
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071625

Quant Time: Jul 17 03:00:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 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	1177.300	-17.7	109	0.00
50 S	Toluene-d8	50.000	51.573	-3.1	109	0.00
51 T	4-Methyl-2-Pentanone	250.000	268.966	-7.6	106	0.00
52 CM	Toluene	50.000	52.236	-4.5#	102	0.00
53 T	t-1,3-Dichloropropene	50.000	54.628	-9.3	106	0.00
54 T	cis-1,3-Dichloropropene	50.000	53.351	-6.7	105	0.00
55 T	1,1,2-Trichloroethane	50.000	49.889	0.2	104	0.00
56 T	Ethyl methacrylate	50.000	53.042	-6.1	109	0.00
57 T	1,3-Dichloropropane	50.000	52.202	-4.4	105	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	285.088	-14.0	103	0.00
59 T	2-Hexanone	250.000	288.579	-15.4	105	0.00
60 T	Dibromochloromethane	50.000	52.685	-5.4	107	0.00
61 T	1,2-Dibromoethane	50.000	51.746	-3.5	108	0.00
62 S	4-Bromofluorobenzene	50.000	52.942	-5.9	111	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64 T	Tetrachloroethene	50.000	47.819	4.4	102	0.00
65 PM	Chlorobenzene	50.000	48.477	3.0	104	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	50.530	-1.1	105	0.00
67 C	Ethyl Benzene	50.000	51.523	-3.0#	104	0.00
68 T	m/p-Xylenes	100.000	105.269	-5.3	102	0.00
69 T	o-Xylene	50.000	53.221	-6.4	104	0.00
70 T	Styrene	50.000	54.477	-9.0	103	0.00
71 P	Bromoform	50.000	51.987	-4.0	104	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73 T	Isopropylbenzene	50.000	54.619	-9.2	107	0.00
74 T	N-amyl acetate	50.000	49.972	0.1	121	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	51.580	-3.2	107	0.00
76 T	1,2,3-Trichloropropane	50.000	46.955	6.1	93	0.00
77 T	Bromobenzene	50.000	52.368	-4.7	104	0.00
78 T	n-propylbenzene	50.000	53.661	-7.3	104	0.00
79 T	2-Chlorotoluene	50.000	52.475	-5.0	106	0.00
80 T	1,3,5-Trimethylbenzene	50.000	54.071	-8.1	104	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	51.080	-2.2	109	0.00
82 T	4-Chlorotoluene	50.000	52.464	-4.9	106	0.00
83 T	tert-Butylbenzene	50.000	55.349	-10.7	108	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.773	-9.5	105	0.00
85 T	sec-Butylbenzene	50.000	52.800	-5.6	105	0.00
86 T	p-Isopropyltoluene	50.000	54.982	-10.0	105	0.00
87 T	1,3-Dichlorobenzene	50.000	51.809	-3.6	105	0.00
88 T	1,4-Dichlorobenzene	50.000	49.381	1.2	105	0.00
89 T	n-Butylbenzene	50.000	53.250	-6.5	105	0.00
90 T	Hexachloroethane	50.000	48.870	2.3	102	0.00
91 T	1,2-Dichlorobenzene	50.000	51.485	-3.0	104	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.035	1.9	106	0.00
93 T	1,2,4-Trichlorobenzene	50.000	52.351	-4.7	105	0.00
94 T	Hexachlorobutadiene	50.000	50.273	-0.5	107	0.00
95 T	Naphthalene	50.000	55.585	-11.2	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087335.D
Acq On : 16 Jul 2025 19:59
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071625

Quant Time: Jul 17 03:00:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	52.890	-5.8	108	0.00

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



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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ENTA05</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2836</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>08/14/2025</u> <u>09:34</u>
Lab File ID:	<u>VN087552.D</u>	Init. Calib. Date(s):	<u>07/16/2025</u> <u>07/16/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>17:05</u> <u>18:54</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.678		2.11	20
1,1-Dichloroethene	0.571	0.562		-1.58	20
2-Butanone	0.615	0.657		6.83	20
Carbon Tetrachloride	0.502	0.454		-9.56	20
Chloroform	1.251	1.372		9.67	20
Benzene	1.473	1.404		-4.68	20
1,2-Dichloroethane	0.558	0.573		2.69	20
Trichloroethene	0.348	0.305		-12.36	20
Tetrachloroethene	0.322	0.260		-19.25	20
Chlorobenzene	1.123	1.016	0.3	-9.53	20
1,2-Dichloroethane-d4	0.848	0.912		7.55	20
Dibromofluoromethane	0.345	0.310		-10.15	20
Toluene-d8	1.230	1.125		-8.54	20
4-Bromofluorobenzene	0.455	0.433		-4.84	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\VN081425\
 Data File : VN087552.D
 Acq On : 14 Aug 2025 09:34
 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 08/14/2025
 Supervised By : Mahesh Dadoda 08/19/2025

Quant Time: Aug 14 15:23:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	271352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	543098	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	500619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	255173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	247424	53.738	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.480%			
35) Dibromofluoromethane	8.153	113	168221	44.903	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.800%			
50) Toluene-d8	10.547	98	611058	45.726	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.460%			
62) 4-Bromofluorobenzene	12.829	95	235280	47.655	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	160120	55.557	ug/l	96
3) Chloromethane	2.383	50	169400	46.740	ug/l	99
4) Vinyl Chloride	2.542	62	183878	51.052	ug/l	96
5) Bromomethane	2.965	94	102629	55.023	ug/l	98
6) Chloroethane	3.130	64	126750	53.961	ug/l	97
7) Trichlorofluoromethane	3.506	101	267426	50.212	ug/l	97
8) Diethyl Ether	3.965	74	117073	56.667	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	145784	53.322	ug/l	96
10) Methyl Iodide	4.577	142	103333	38.232	ug/l #	89
11) Tert butyl alcohol	5.536	59	241449	276.178	ug/l	100
12) 1,1-Dichloroethene	4.336	96	152389	49.187	ug/l	99
13) Acrolein	4.177	56	160450	228.690	ug/l	99
14) Allyl chloride	5.012	41	286033	51.014	ug/l	90
15) Acrylonitrile	5.712	53	598909	252.452	ug/l	98
16) Acetone	4.424	43	657966	304.782	ug/l	97
17) Carbon Disulfide	4.700	76	405663	44.164	ug/l	98
18) Methyl Acetate	5.018	43	317943	58.620	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	659220	57.727	ug/l	95
20) Methylene Chloride	5.259	84	192849	52.881	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	170971	48.942	ug/l	88
22) Diisopropyl ether	6.659	45	674122	57.318	ug/l	95
23) Vinyl Acetate	6.589	43	3071299	298.585	ug/l	100
24) 1,1-Dichloroethane	6.553	63	347405	51.200	ug/l	98
25) 2-Butanone	7.471	43	892036	267.432	ug/l	97
26) 2,2-Dichloropropane	7.471	77	298522	56.588	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	212209	52.764	ug/l	95
28) Bromochloromethane	7.794	49	184324	56.761	ug/l	92
29) Tetrahydrofuran	7.824	42	572583	264.243	ug/l	100
30) Chloroform	7.947	83	372180	54.800	ug/l	98
31) Cyclohexane	8.235	56	278777	49.251	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	309142	52.554	ug/l	98
36) 1,1-Dichloropropene	8.353	75	237939	48.073	ug/l	97
37) Ethyl Acetate	7.547	43	340534	47.639	ug/l	98
38) Carbon Tetrachloride	8.347	117	246721	45.251	ug/l	97
39) Methylcyclohexane	9.582	83	254444	47.484	ug/l	96
40) Benzene	8.588	78	762513	47.666	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087552.D
 Acq On : 14 Aug 2025 09:34
 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 08/14/2025
 Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 14 15:23:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	178825	47.844	ug/l	96
42) 1,2-Dichloroethane	8.653	62	311061	51.277	ug/l	97
43) Isopropyl Acetate	8.671	43	575331	51.848	ug/l	98
44) Trichloroethene	9.335	130	165523	43.791	ug/l	95
45) 1,2-Dichloropropane	9.606	63	200161	49.245	ug/l	92
46) Dibromomethane	9.694	93	147474	48.459	ug/l	96
47) Bromodichloromethane	9.871	83	298595	48.711	ug/l	100
48) Methyl methacrylate	9.665	41	263753	52.798	ug/l	93
49) 1,4-Dioxane	9.682	88	77554	1013.618	ug/l #	99
51) 4-Methyl-2-Pentanone	10.429	43	1771617	252.428	ug/l	98
52) Toluene	10.612	92	472630	48.609	ug/l	95
53) t-1,3-Dichloropropene	10.818	75	316497	51.017	ug/l	96
54) cis-1,3-Dichloropropene	10.294	75	326996	51.028	ug/l #	86
55) 1,1,2-Trichloroethane	11.000	97	190088	48.289	ug/l	95
56) Ethyl methacrylate	10.859	69	331191	50.043	ug/l #	92
57) 1,3-Dichloropropane	11.147	76	336112	49.384	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	934209	289.306	ug/l	99
59) 2-Hexanone	11.176	43	1221722	262.377	ug/l	98
60) Dibromochloromethane	11.341	129	217527	48.455	ug/l	100
61) 1,2-Dibromoethane	11.453	107	202290	48.875	ug/l	97
64) Tetrachloroethene	11.082	164	130358	40.459	ug/l	93
65) Chlorobenzene	11.871	112	508857	45.275	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	183045	47.896	ug/l	99
67) Ethyl Benzene	11.947	91	914813	49.442	ug/l	100
68) m/p-Xylenes	12.053	106	683841	98.699	ug/l	95
69) o-Xylene	12.376	106	337782	51.038	ug/l	95
70) Styrene	12.394	104	583897	52.445	ug/l	97
71) Bromoform	12.559	173	143351	46.429	ug/l #	99
73) Isopropylbenzene	12.676	105	854755	53.222	ug/l	98
74) N-amyl acetate	12.500	43	259021	38.819	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.918	83	304854	50.447	ug/l	100
76) 1,2,3-Trichloropropane	12.976	75	257264m	44.960	ug/l	
77) Bromobenzene	12.959	156	203849	48.942	ug/l	93
78) n-propylbenzene	13.012	91	1079956	53.447	ug/l	97
79) 2-Chlorotoluene	13.106	91	652303	52.528	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	735691	53.765	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.718	75	101369	48.472	ug/l	95
82) 4-Chlorotoluene	13.200	91	684119	52.913	ug/l	96
83) tert-Butylbenzene	13.417	119	613860	53.713	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	762982	54.601	ug/l	95
85) sec-Butylbenzene	13.594	105	915066	53.157	ug/l	98
86) p-Isopropyltoluene	13.706	119	762503	55.271	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	399195	48.835	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	400669	45.893	ug/l	97
89) n-Butylbenzene	14.035	91	736497	55.909	ug/l	98
90) Hexachloroethane	14.312	117	139358	47.677	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	381913	49.316	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	70382	44.360	ug/l	99
93) 1,2,4-Trichlorobenzene	15.370	180	226838	49.866	ug/l	98
94) Hexachlorobutadiene	15.476	225	82198	48.630	ug/l	99
95) Naphthalene	15.617	128	838952	52.059	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	220386	48.298	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087552.D
Acq On : 14 Aug 2025 09:34
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 08/14/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 14 15:23:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 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

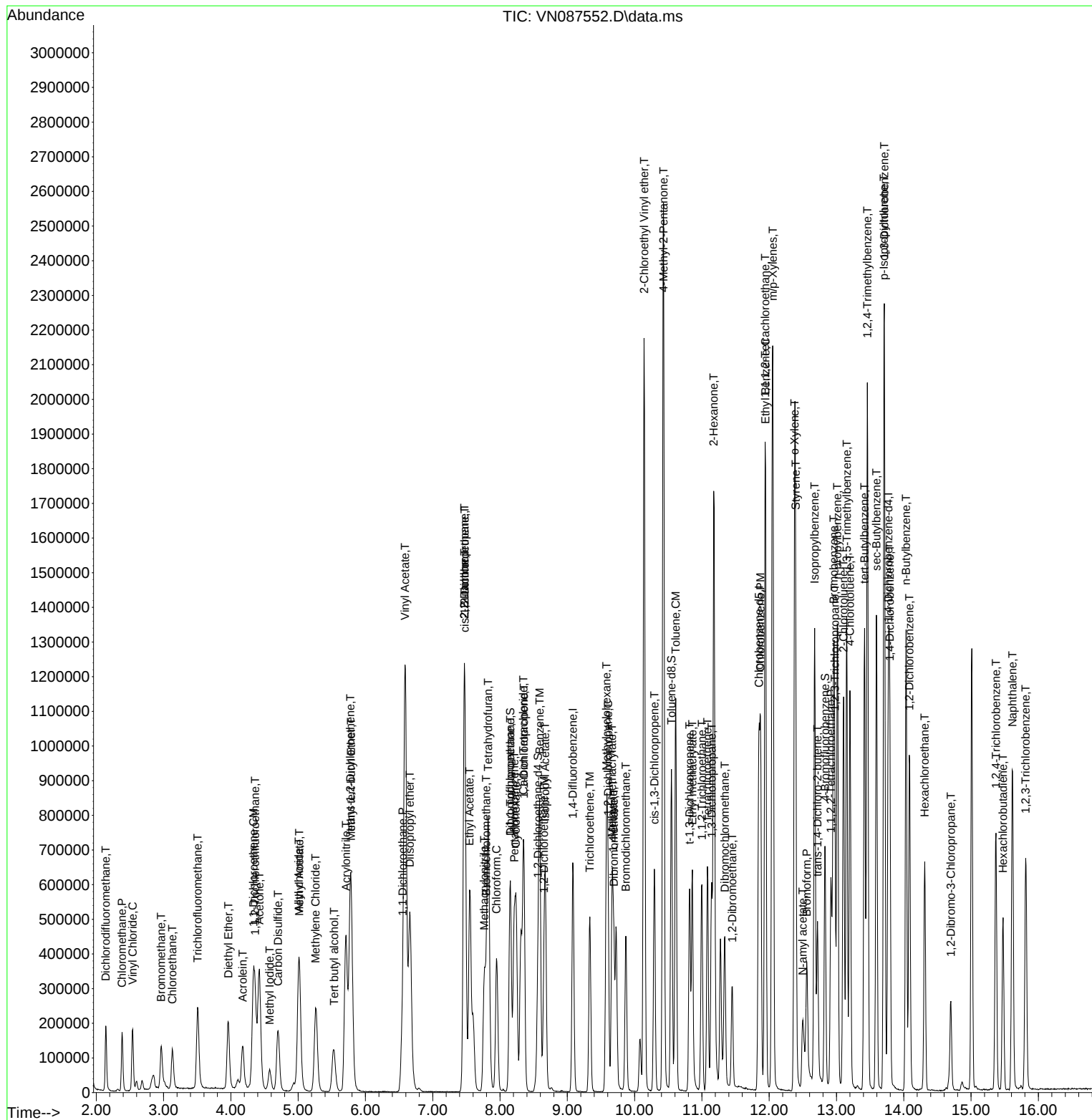
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\  
Data File : VN087552.D  
Acq On    : 14 Aug 2025   09:34  
Operator  : JC\MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 14 15:23:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087552.D
 Acq On : 14 Aug 2025 09:34
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 14 15:23:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 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	148	0.00
2 T	Dichlorodifluoromethane	0.531	0.590	-11.1	141	0.00
3 P	Chloromethane	0.668	0.624	6.6	134	0.00
4 C	Vinyl Chloride	0.664	0.678	-2.1#	138	0.00
5 T	Bromomethane	0.344	0.378	-9.9	158#	0.00
6 T	Chloroethane	0.433	0.467	-7.9	157#	0.00
7 T	Trichlorofluoromethane	0.981	0.986	-0.5	143	0.00
8 T	Diethyl Ether	0.381	0.431	-13.1	162#	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.504	0.537	-6.5	152#	0.00
10 T	Methyl Iodide	0.452	0.381	15.7	114	0.00
11 T	Tert butyl alcohol	0.161	0.178	-10.6	164#	0.01
12 CM	1,1-Dichloroethene	0.571	0.562	1.6#	153#	0.00
13 T	Acrolein	0.129	0.118	8.5	145	0.00
14 T	Allyl chloride	1.033	1.054	-2.0	156#	0.00
15 T	Acrylonitrile	0.437	0.441	-0.9	145	0.00
16 T	Acetone	0.398	0.485	-21.9	186#	0.00
17 T	Carbon Disulfide	1.693	1.495	11.7	128	0.00
18 T	Methyl Acetate	0.999	1.172	-17.3	175#	0.00
19 T	Methyl tert-butyl Ether	2.104	2.429	-15.4	166#	0.00
20 T	Methylene Chloride	0.766	0.711	7.2	157#	0.00
21 T	trans-1,2-Dichloroethene	0.644	0.630	2.2	143	0.00
22 T	Diisopropyl ether	2.167	2.484	-14.6	161#	0.00
23 T	Vinyl Acetate	1.895	2.264	-19.5	159#	0.00
24 P	1,1-Dichloroethane	1.250	1.280	-2.4	156#	0.00
25 T	2-Butanone	0.615	0.657	-6.8	152#	0.00
26 T	2,2-Dichloropropane	0.972	1.100	-13.2	166#	0.00
27 T	cis-1,2-Dichloroethene	0.741	0.782	-5.5	151#	0.00
28 T	Bromochloromethane	0.598	0.679	-13.5	169#	0.00
29 T	Tetrahydrofuran	0.399	0.422	-5.8	147	0.00
30 C	Chloroform	1.251	1.372	-9.7#	159#	0.00
31 T	Cyclohexane	1.043	1.027	1.5	146	0.00
32 T	1,1,1-Trichloroethane	1.084	1.139	-5.1	156#	0.00
33 S	1,2-Dichloroethane-d4	0.848	0.912	-7.5	169#	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	167#	0.00
35 S	Dibromofluoromethane	0.345	0.310	10.1	155#	0.00
36 T	1,1-Dichloropropene	0.456	0.438	3.9	150#	0.00
37 T	Ethyl Acetate	0.658	0.627	4.7	148	0.00
38 T	Carbon Tetrachloride	0.502	0.454	9.6	147	0.00
39 T	Methylcyclohexane	0.493	0.469	4.9	148	0.00
40 TM	Benzene	1.473	1.404	4.7	151#	0.00
41 T	Methacrylonitrile	0.344	0.329	4.4	149	0.00
42 TM	1,2-Dichloroethane	0.558	0.573	-2.7	168#	0.00
43 T	Isopropyl Acetate	1.022	1.059	-3.6	165#	0.00
44 TM	Trichloroethene	0.348	0.305	12.4	143	0.00
45 C	1,2-Dichloropropane	0.374	0.369	1.3#	156#	0.00
46 T	Dibromomethane	0.280	0.272	2.9	157#	0.00
47 T	Bromodichloromethane	0.564	0.550	2.5	161#	0.00
48 T	Methyl methacrylate	0.460	0.486	-5.7	160#	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087552.D
 Acq On : 14 Aug 2025 09:34
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 14 15:23:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 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	149	0.00
50 S	Toluene-d8	1.230	1.125	8.5	153#	0.00
51 T	4-Methyl-2-Pentanone	0.646	0.652	-0.9	158#	0.00
52 CM	Toluene	0.895	0.870	2.8#	151#	0.00
53 T	t-1,3-Dichloropropene	0.571	0.583	-2.1	157#	0.00
54 T	cis-1,3-Dichloropropene	0.590	0.602	-2.0	159#	0.00
55 T	1,1,2-Trichloroethane	0.362	0.350	3.3	159#	0.00
56 T	Ethyl methacrylate	0.552	0.610	-10.5	162#	0.00
57 T	1,3-Dichloropropane	0.627	0.619	1.3	158#	0.00
58 T	2-Chloroethyl Vinyl ether	0.297	0.344	-15.8	166#	0.00
59 T	2-Hexanone	0.429	0.450	-4.9	151#	0.00
60 T	Dibromochloromethane	0.413	0.401	2.9	155#	0.00
61 T	1,2-Dibromoethane	0.381	0.372	2.4	161#	0.00
62 S	4-Bromofluorobenzene	0.455	0.433	4.8	159#	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	167#	0.00
64 T	Tetrachloroethene	0.322	0.260	19.3	136	0.00
65 PM	Chlorobenzene	1.123	1.016	9.5	152#	0.00
66 T	1,1,1,2-Tetrachloroethane	0.382	0.366	4.2	155#	0.00
67 C	Ethyl Benzene	1.848	1.827	1.1#	157#	0.00
68 T	m/p-Xylenes	0.692	0.683	1.3	150#	0.00
69 T	o-Xylene	0.661	0.675	-2.1	156#	0.00
70 T	Styrene	1.112	1.166	-4.9	155#	0.00
71 P	Bromoform	0.308	0.286	7.1	145	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	161#	0.00
73 T	Isopropylbenzene	3.147	3.350	-6.5	159#	0.00
74 T	N-amyl acetate	1.307	1.015	22.3	144	0.00
75 P	1,1,2,2-Tetrachloroethane	1.184	1.195	-0.9	159#	0.00
76 T	1,2,3-Trichloropropane	1.121	1.008	10.1	136	0.00
77 T	Bromobenzene	0.816	0.799	2.1	148	0.00
78 T	n-propylbenzene	3.959	4.232	-6.9	159#	0.00
79 T	2-Chlorotoluene	2.433	2.556	-5.1	162#	0.00
80 T	1,3,5-Trimethylbenzene	2.681	2.883	-7.5	159#	0.00
81 T	trans-1,4-Dichloro-2-butene	0.410	0.397	3.2	158#	0.00
82 T	4-Chlorotoluene	2.533	2.681	-5.8	163#	0.00
83 T	tert-Butylbenzene	2.239	2.406	-7.5	160#	0.00
84 T	1,2,4-Trimethylbenzene	2.738	2.990	-9.2	160#	0.00
85 T	sec-Butylbenzene	3.373	3.586	-6.3	162#	0.00
86 T	p-Isopropyltoluene	2.703	2.988	-10.5	161#	0.00
87 T	1,3-Dichlorobenzene	1.602	1.564	2.4	152#	0.00
88 T	1,4-Dichlorobenzene	1.711	1.570	8.2	148	0.00
89 T	n-Butylbenzene	2.581	2.886	-11.8	168#	0.00
90 T	Hexachloroethane	0.573	0.546	4.7	153#	0.00
91 T	1,2-Dichlorobenzene	1.517	1.497	1.3	153#	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.311	0.276	11.3	147	0.00
93 T	1,2,4-Trichlorobenzene	0.891	0.889	0.2	153#	0.00
94 T	Hexachlorobutadiene	0.331	0.322	2.7	158#	0.00
95 T	Naphthalene	3.158	3.288	-4.1	154#	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087552.D
Acq On : 14 Aug 2025 09:34
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 15:23:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 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	0.894	0.864	3.4	151#	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087552.D
 Acq On : 14 Aug 2025 09:34
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 14 15:23:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 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	148	0.00
2 T	Dichlorodifluoromethane	50.000	55.557	-11.1	141	0.00
3 P	Chloromethane	50.000	46.740	6.5	134	0.00
4 C	Vinyl Chloride	50.000	51.052	-2.1#	138	0.00
5 T	Bromomethane	50.000	55.023	-10.0	158	0.00
6 T	Chloroethane	50.000	53.961	-7.9	157	0.00
7 T	Trichlorofluoromethane	50.000	50.212	-0.4	143	0.00
8 T	Diethyl Ether	50.000	56.667	-13.3	162	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	53.322	-6.6	152	0.00
10 T	Methyl Iodide	50.000	38.232	23.5	114	0.00
11 T	Tert butyl alcohol	250.000	276.178	-10.5	164	0.01
12 CM	1,1-Dichloroethene	50.000	49.187	1.6#	153	0.00
13 T	Acrolein	250.000	228.690	8.5	145	0.00
14 T	Allyl chloride	50.000	51.014	-2.0	156	0.00
15 T	Acrylonitrile	250.000	252.452	-1.0	145	0.00
16 T	Acetone	250.000	304.782	-21.9	186	0.00
17 T	Carbon Disulfide	50.000	44.164	11.7	128	0.00
18 T	Methyl Acetate	50.000	58.620	-17.2	175	0.00
19 T	Methyl tert-butyl Ether	50.000	57.727	-15.5	166	0.00
20 T	Methylene Chloride	50.000	52.881	-5.8	157	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.942	2.1	143	0.00
22 T	Diisopropyl ether	50.000	57.318	-14.6	161	0.00
23 T	Vinyl Acetate	250.000	298.585	-19.4	159	0.00
24 P	1,1-Dichloroethane	50.000	51.200	-2.4	156	0.00
25 T	2-Butanone	250.000	267.432	-7.0	152	0.00
26 T	2,2-Dichloropropane	50.000	56.588	-13.2	166	0.00
27 T	cis-1,2-Dichloroethene	50.000	52.764	-5.5	151	0.00
28 T	Bromochloromethane	50.000	56.761	-13.5	169	0.00
29 T	Tetrahydrofuran	250.000	264.243	-5.7	147	0.00
30 C	Chloroform	50.000	54.800	-9.6#	159	0.00
31 T	Cyclohexane	50.000	49.251	1.5	146	0.00
32 T	1,1,1-Trichloroethane	50.000	52.554	-5.1	156	0.00
33 S	1,2-Dichloroethane-d4	50.000	53.738	-7.5	169	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	167	0.00
35 S	Dibromofluoromethane	50.000	44.903	10.2	155	0.00
36 T	1,1-Dichloropropene	50.000	48.073	3.9	150	0.00
37 T	Ethyl Acetate	50.000	47.639	4.7	148	0.00
38 T	Carbon Tetrachloride	50.000	45.251	9.5	147	0.00
39 T	Methylcyclohexane	50.000	47.484	5.0	148	0.00
40 TM	Benzene	50.000	47.666	4.7	151	0.00
41 T	Methacrylonitrile	50.000	47.844	4.3	149	0.00
42 TM	1,2-Dichloroethane	50.000	51.277	-2.6	168	0.00
43 T	Isopropyl Acetate	50.000	51.848	-3.7	165	0.00
44 TM	Trichloroethene	50.000	43.791	12.4	143	0.00
45 C	1,2-Dichloropropane	50.000	49.245	1.5#	156	0.00
46 T	Dibromomethane	50.000	48.459	3.1	157	0.00
47 T	Bromodichloromethane	50.000	48.711	2.6	161	0.00
48 T	Methyl methacrylate	50.000	52.798	-5.6	160	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087552.D
 Acq On : 14 Aug 2025 09:34
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 LabSampleId :
 VSTDCCC050

Quant Time: Aug 14 15:23:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 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	1013.618	-1.4	149	0.00
50 S	Toluene-d8	50.000	45.726	8.5	153	0.00
51 T	4-Methyl-2-Pentanone	250.000	252.428	-1.0	158	0.00
52 CM	Toluene	50.000	48.609	2.8#	151	0.00
53 T	t-1,3-Dichloropropene	50.000	51.017	-2.0	157	0.00
54 T	cis-1,3-Dichloropropene	50.000	51.028	-2.1	159	0.00
55 T	1,1,2-Trichloroethane	50.000	48.289	3.4	159	0.00
56 T	Ethyl methacrylate	50.000	50.043	-0.1	162	0.00
57 T	1,3-Dichloropropane	50.000	49.384	1.2	158	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	289.306	-15.7	166	0.00
59 T	2-Hexanone	250.000	262.377	-5.0	151	0.00
60 T	Dibromochloromethane	50.000	48.455	3.1	155	0.00
61 T	1,2-Dibromoethane	50.000	48.875	2.3	161	0.00
62 S	4-Bromofluorobenzene	50.000	47.655	4.7	159	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	167	0.00
64 T	Tetrachloroethene	50.000	40.459	19.1	136	0.00
65 PM	Chlorobenzene	50.000	45.275	9.5	152	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	47.896	4.2	155	0.00
67 C	Ethyl Benzene	50.000	49.442	1.1#	157	0.00
68 T	m/p-Xylenes	100.000	98.699	1.3	150	0.00
69 T	o-Xylene	50.000	51.038	-2.1	156	0.00
70 T	Styrene	50.000	52.445	-4.9	155	0.00
71 P	Bromoform	50.000	46.429	7.1	145	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	161	0.00
73 T	Isopropylbenzene	50.000	53.222	-6.4	159	0.00
74 T	N-amyl acetate	50.000	38.819	22.4	144	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	50.447	-0.9	159	0.00
76 T	1,2,3-Trichloropropane	50.000	44.960	10.1	136	0.00
77 T	Bromobenzene	50.000	48.942	2.1	148	0.00
78 T	n-propylbenzene	50.000	53.447	-6.9	159	0.00
79 T	2-Chlorotoluene	50.000	52.528	-5.1	162	0.00
80 T	1,3,5-Trimethylbenzene	50.000	53.765	-7.5	159	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	48.472	3.1	158	0.00
82 T	4-Chlorotoluene	50.000	52.913	-5.8	163	0.00
83 T	tert-Butylbenzene	50.000	53.713	-7.4	160	0.00
84 T	1,2,4-Trimethylbenzene	50.000	54.601	-9.2	160	0.00
85 T	sec-Butylbenzene	50.000	53.157	-6.3	162	0.00
86 T	p-Isopropyltoluene	50.000	55.271	-10.5	161	0.00
87 T	1,3-Dichlorobenzene	50.000	48.835	2.3	152	0.00
88 T	1,4-Dichlorobenzene	50.000	45.893	8.2	148	0.00
89 T	n-Butylbenzene	50.000	55.909	-11.8	168	0.00
90 T	Hexachloroethane	50.000	47.677	4.6	153	0.00
91 T	1,2-Dichlorobenzene	50.000	49.316	1.4	153	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	44.360	11.3	147	0.00
93 T	1,2,4-Trichlorobenzene	50.000	49.866	0.3	153	0.00
94 T	Hexachlorobutadiene	50.000	48.630	2.7	158	0.00
95 T	Naphthalene	50.000	52.059	-4.1	154	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087552.D
Acq On : 14 Aug 2025 09:34
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 15:23:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.298	3.4	151	0.00

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



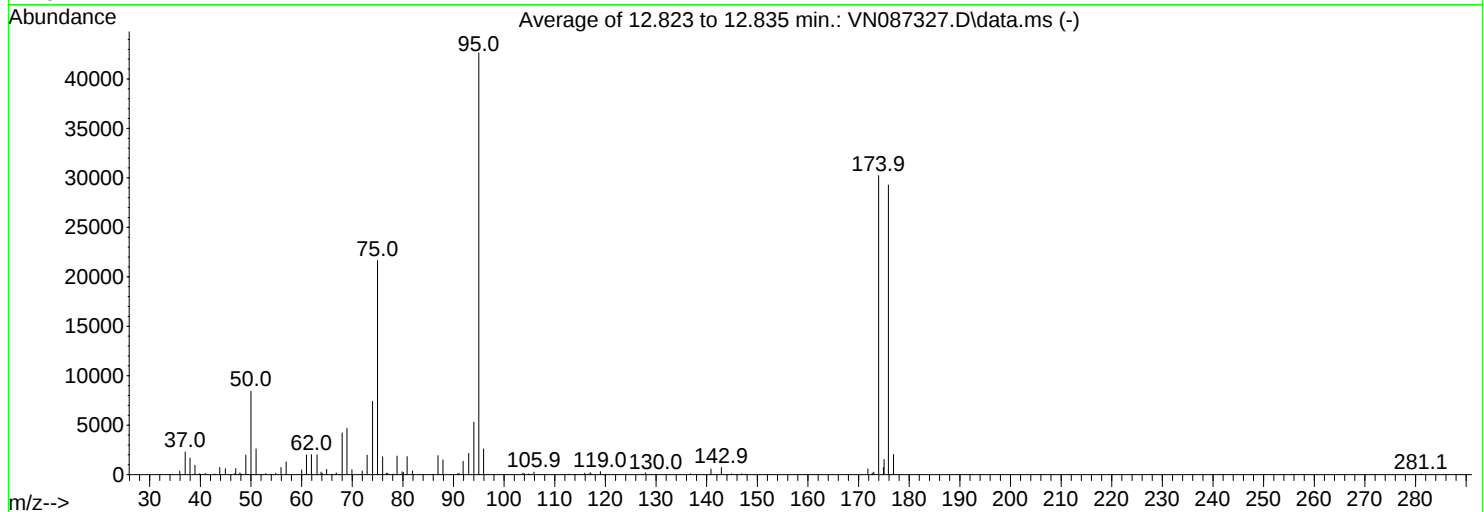
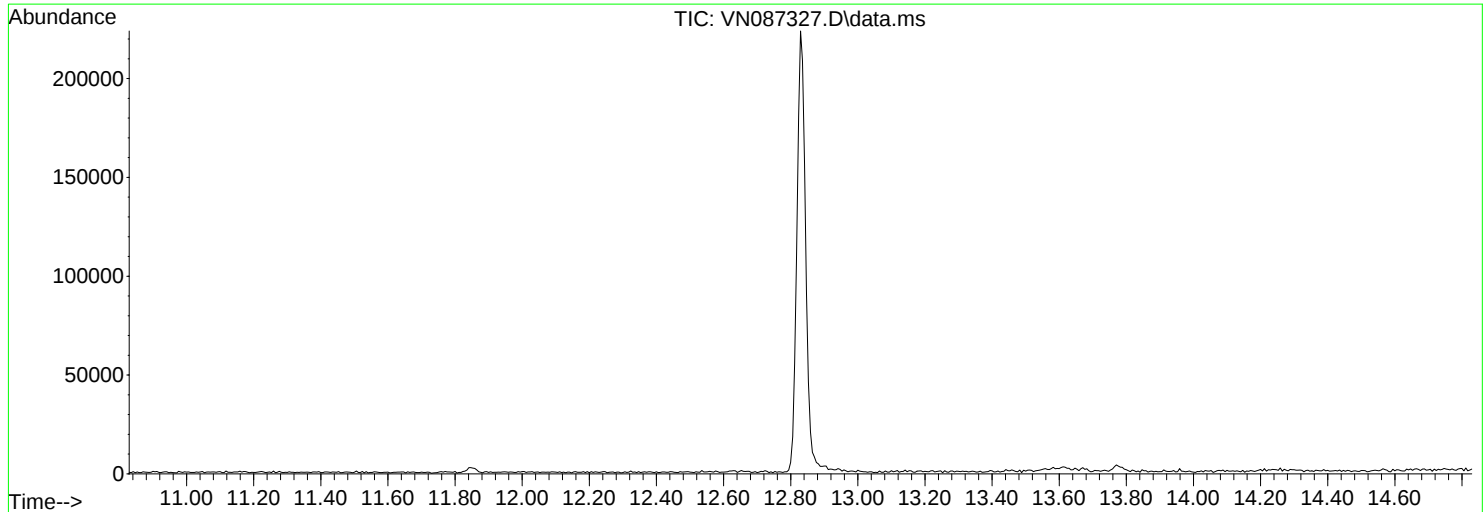
QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071625\
Data File : VN087327.D
Acq On : 16 Jul 2025 16:10
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\82N071625W.M
Title : SW846 8260
Last Update : Thu Jul 17 02:56:13 2025



AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1839

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.8	8426	PASS
75	95	30	60	50.8	21643	PASS
95	95	100	100	100.0	42640	PASS
96	95	5	9	6.1	2612	PASS
173	174	0.00	2	0.8	255	PASS
174	95	50	100	70.9	30229	PASS
175	174	5	9	5.1	1538	PASS
176	174	95	101	96.9	29285	PASS
177	176	5	9	7.0	2046	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	354	47.80	181	61.95	2016	74.00	742
37.00	2290	48.10	60	63.05	2010	75.00	2164
37.95	1679	49.00	1995	63.85	261	76.00	181
38.95	954	50.00	8426	64.10	115	76.75	14
39.90	107	51.00	2608	64.95	542	77.00	122
40.95	135	52.95	119	66.85	179	78.10	60
42.90	65	54.90	138	68.00	4227	78.85	1870
43.85	725	55.95	722	68.95	4698	79.85	287
44.95	593	56.95	1299	69.95	494	80.10	209
46.80	115	60.00	486	71.95	381	80.85	1827
47.00	608	60.95	1996	72.95	1978	81.90	375

Average of 12.823 to 12.835 min.: VN087327.D\data.ms

BFB

Modified:subtracted

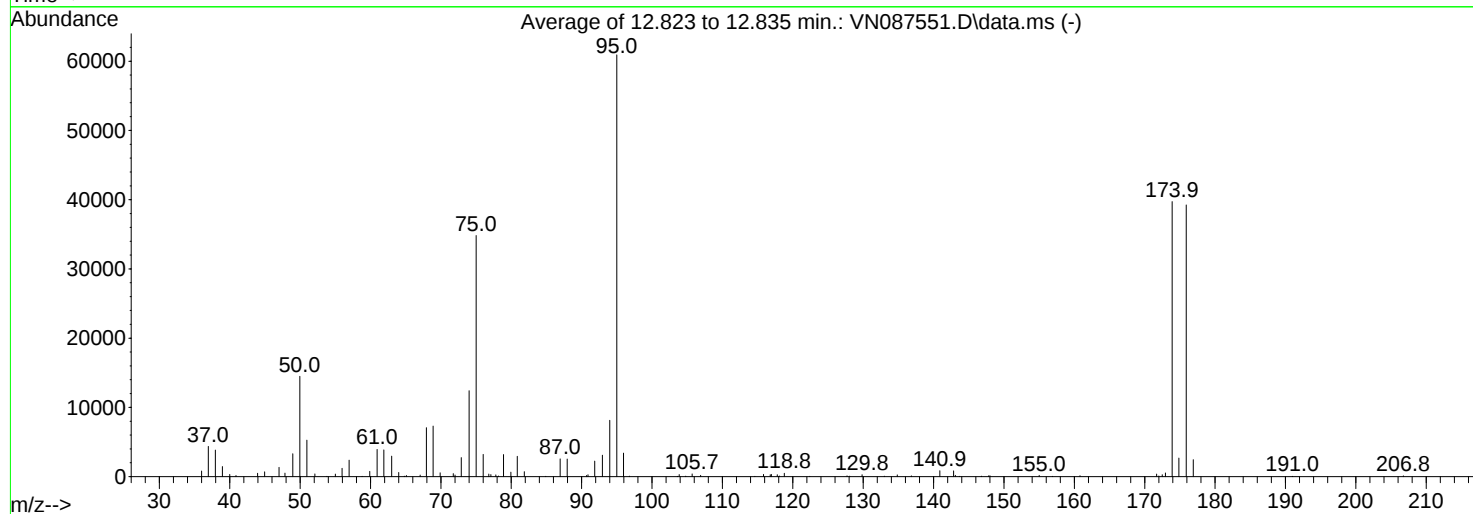
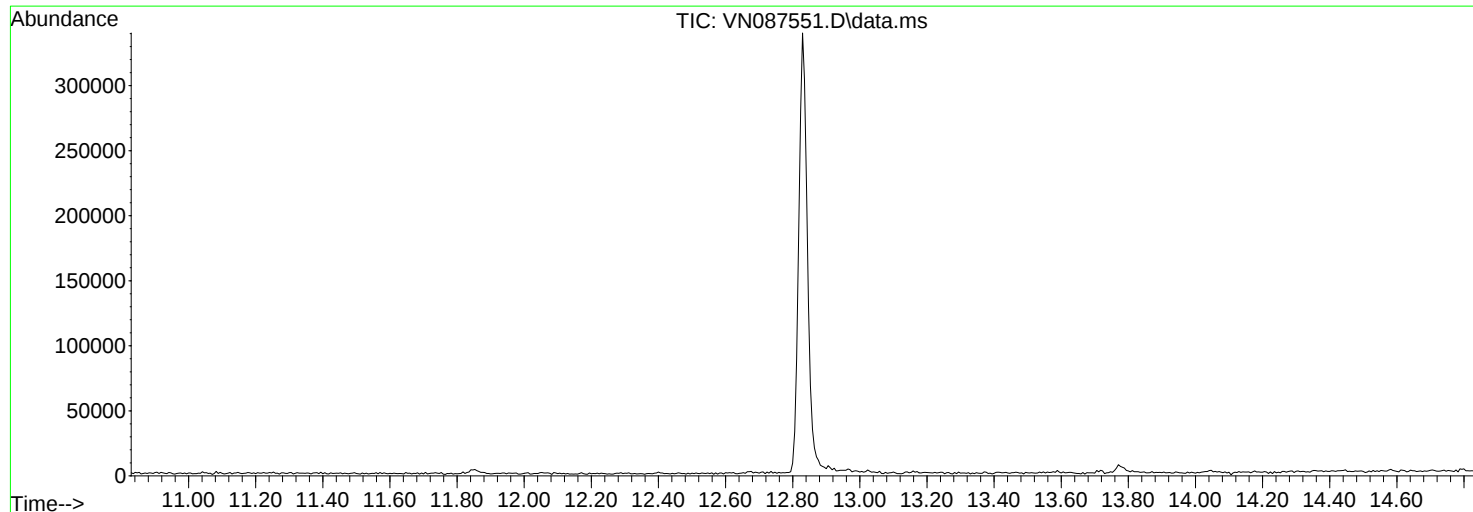
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.00	53	103.70	156	127.90	178	173.95	30229
86.95	1927	104.00	90	130.00	72	174.90	709
87.90	1486	104.80	81	136.80	89	175.05	1538
90.85	118	105.90	261	140.85	580	175.90	29285
91.10	107	112.80	55	142.90	707	176.90	2046
91.90	1340	115.90	151	144.90	80	281.10	60
93.00	2153	116.60	61	146.90	74		
94.00	5304	117.00	209	147.70	57		
95.00	42640	117.20	66	171.85	576		
95.95	2612	119.00	301	172.70	163		
96.80	56	124.10	52	173.00	255		

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087551.D
Acq On : 14 Aug 2025 09:01
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\82N071625W.M
Title : SW846 8260
Last Update : Thu Jul 17 02:56:13 2025



AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.8	14484	PASS
75	95	30	60	57.2	34829	PASS
95	95	100	100	100.0	60920	PASS
96	95	5	9	5.6	3407	PASS
173	174	0.00	2	1.3	536	PASS
174	95	50	100	65.2	39723	PASS
175	174	5	9	6.8	2685	PASS
176	174	95	101	98.8	39240	PASS
177	176	5	9	6.2	2451	PASS

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	805	49.95	14484	63.00	2963	74.00	1241
36.95	4361	50.95	5265	64.00	607	75.00	3482
37.95	3826	52.10	400	64.80	64	76.00	321
38.95	1459	53.80	50	65.10	174	76.80	37
40.00	321	55.00	367	67.05	225	77.10	310
40.90	158	55.95	1213	67.95	7067	77.80	254
43.95	478	56.95	2372	68.90	7296	78.20	87
44.95	699	58.80	53	69.90	564	78.90	3182
47.00	1337	59.90	752	71.75	448	79.95	646
47.85	509	60.95	3931	72.00	227	80.85	2939
48.95	3305	61.90	3852	72.90	2741	81.85	729

Average of 12.823 to 12.835 min.: VN087551.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
84.90	53	103.60	56	118.80	492	143.70	53
86.95	2577	103.85	295	122.40	52	146.80	70
87.95	2550	104.80	79	127.70	126	147.80	109
90.70	164	105.70	404	128.10	73	148.00	129
90.90	275	106.90	186	129.85	282	155.00	182
91.85	2248	114.60	54	133.00	81	156.90	53
92.95	3098	115.85	328	134.85	244	160.80	136
94.00	8132	116.80	285	136.85	122	171.70	369
95.00	60920	116.95	325	140.90	863	172.00	97
95.95	3407	117.80	270	142.85	826	172.50	283
96.80	81	118.10	99	143.10	183	172.95	536

Average of 12.823 to 12.835 min.: VN087551.D\data.ms

BFB

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
173.90	39723						
174.85	2685						
175.90	39240						
176.90	2451						
191.00	51						
206.75	119						

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0814WBL01	SDG No.:	Q2836
Lab Sample ID:	VN0814WBL01	Matrix:	TCLP
Analytical Method:	8260D	% 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:	Date Analyzed	Prep Batch ID
VN087554.D	1	08/14/25 10:32	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0010	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0010	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	44.2		70 (75) - 130 (124)	88%	SPK: 50
2037-26-5	Toluene-d8	44.2		70 (86) - 130 (113)	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		70 (77) - 130 (121)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	8.206			
540-36-3	1,4-Difluorobenzene	560000	9.083			
3114-55-4	Chlorobenzene-d5	504000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	235000	13.771			

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\VN081425\
 Data File : VN087554.D
 Acq On : 14 Aug 2025 10:32
 Operator : JC\MD
 Sample : VN0814WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

Quant Time: Aug 14 15:23:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	284398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	560321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	503771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	234765	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	255137	52.871	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.740%
35) Dibromofluoromethane	8.153	113	170840	44.201	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.400%
50) Toluene-d8	10.547	98	608969	44.169	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.340%
62) 4-Bromofluorobenzene	12.829	95	222642	43.709	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.420%

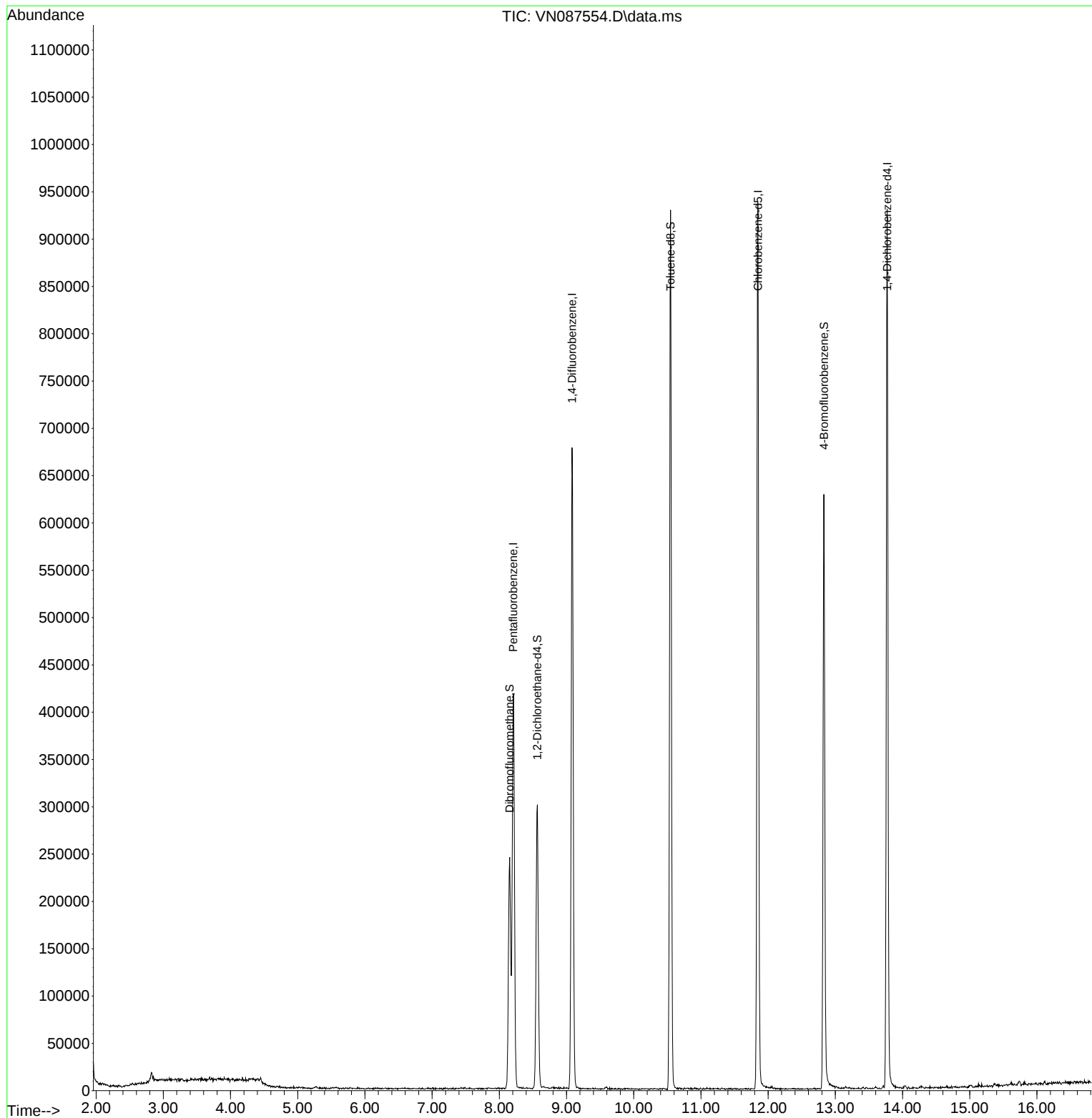
Target Compounds	Qvalue

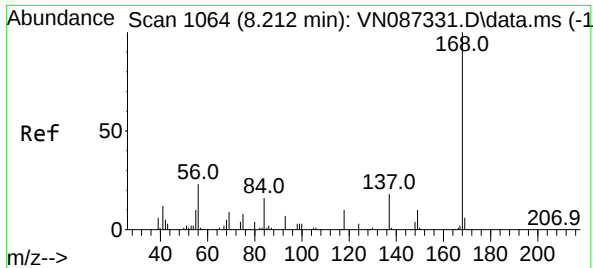
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087554.D
Acq On : 14 Aug 2025 10:32
Operator : JC\MD
Sample : VN0814WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Quant Time: Aug 14 15:23:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

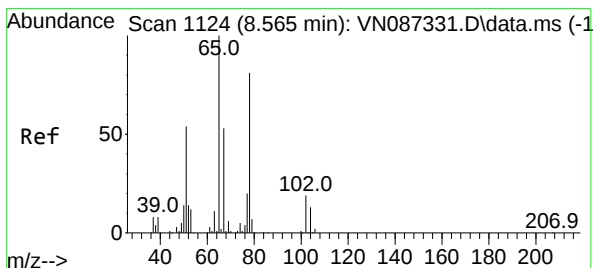
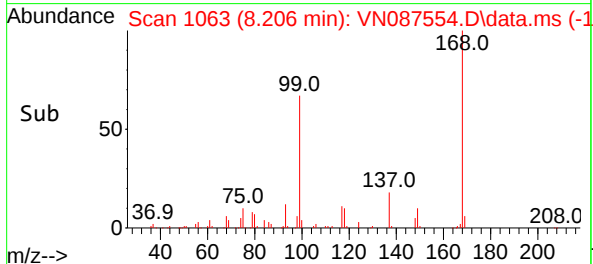
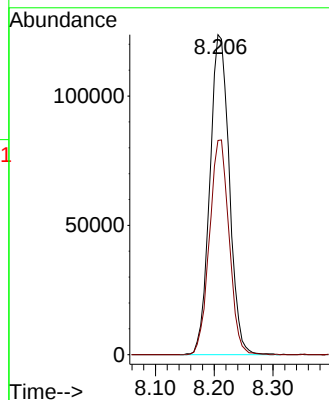
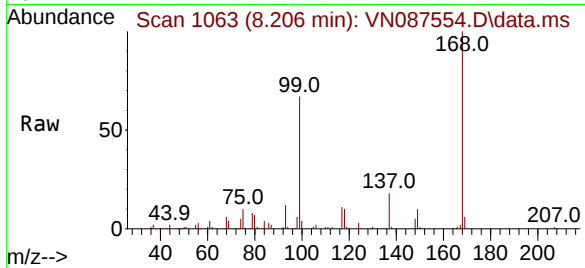




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. -0.006 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

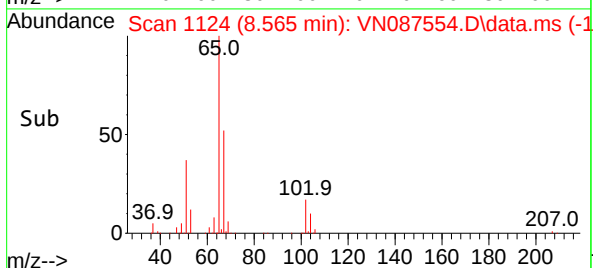
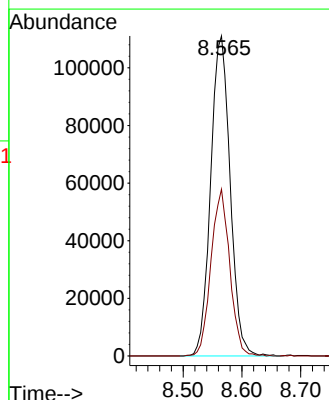
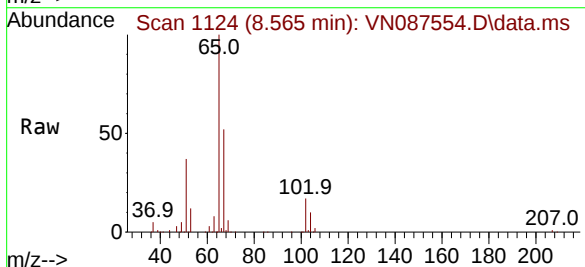
Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

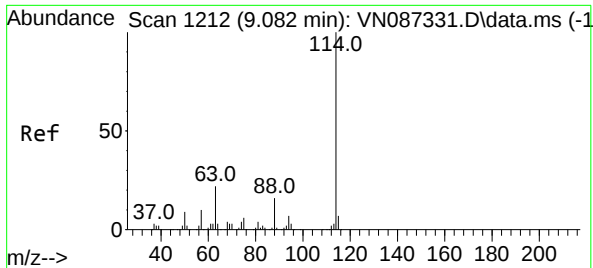
Tgt Ion:168 Resp: 284398
Ion Ratio Lower Upper
168 100
99 67.0 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 52.871 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion: 65 Resp: 255137
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN087554.D

Acq: 14 Aug 2025 10:32

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBL01

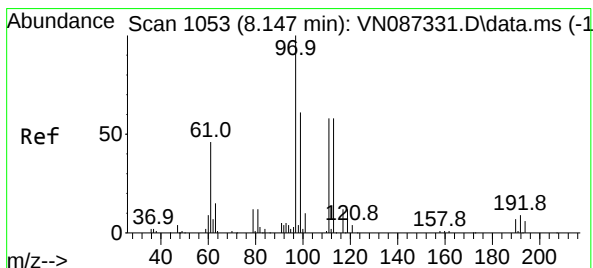
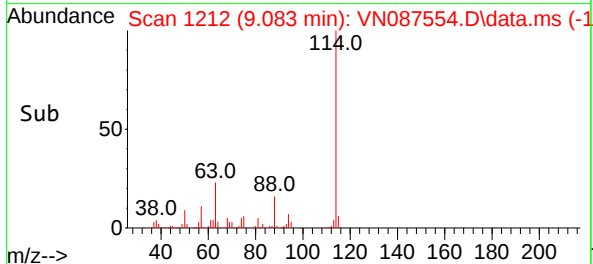
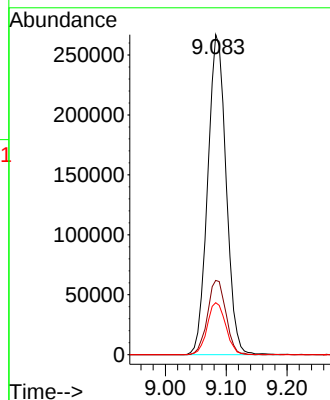
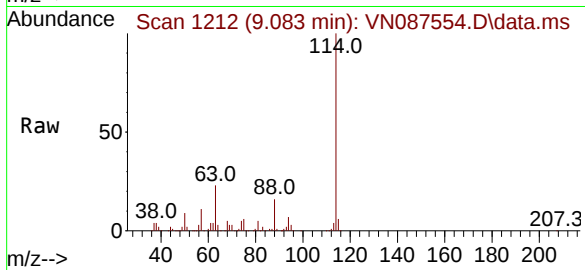
Tgt Ion:114 Resp: 560321

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.6

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 44.201 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087554.D

Acq: 14 Aug 2025 10:32

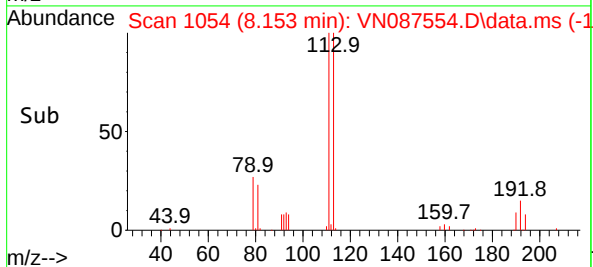
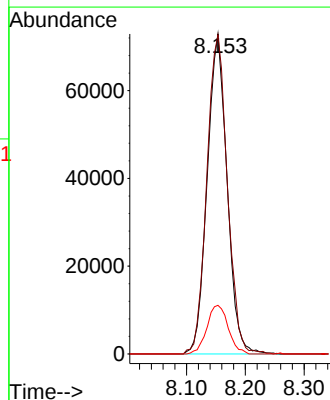
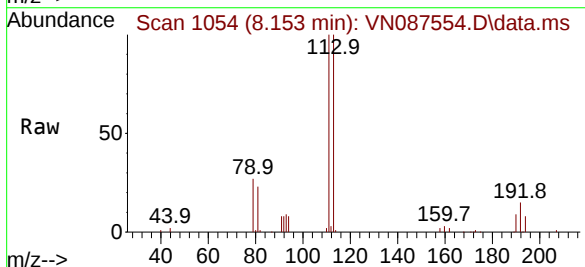
Tgt Ion:113 Resp: 170840

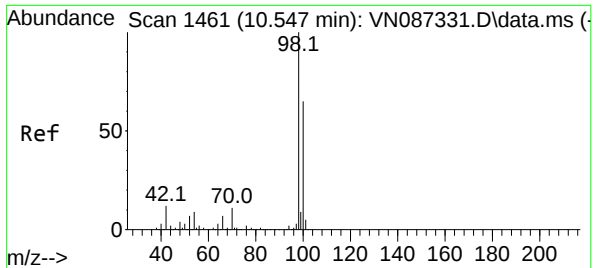
Ion Ratio Lower Upper

113 100

111 103.1 82.5 123.7

192 16.3 13.7 20.5

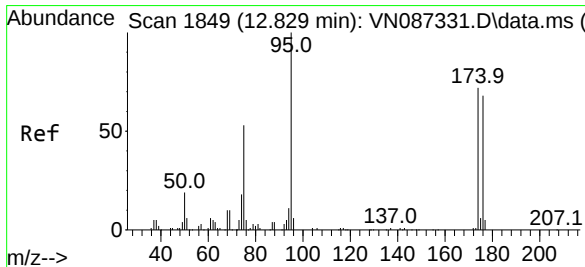
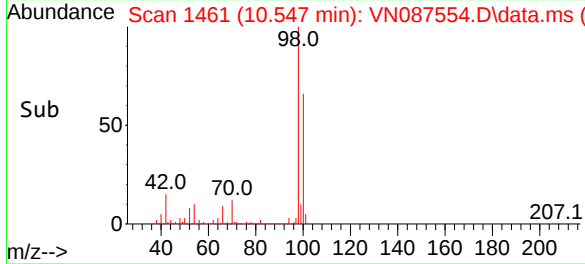
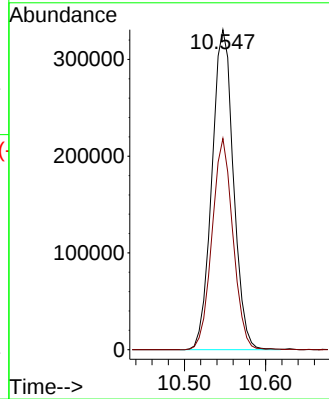
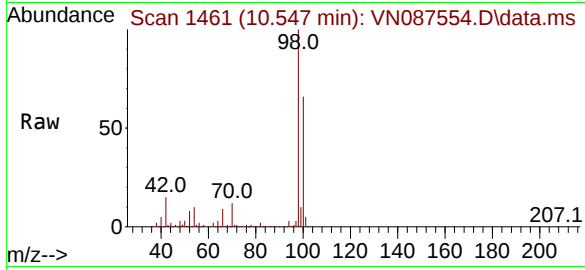




#50
Toluene-d8
Concen: 44.169 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

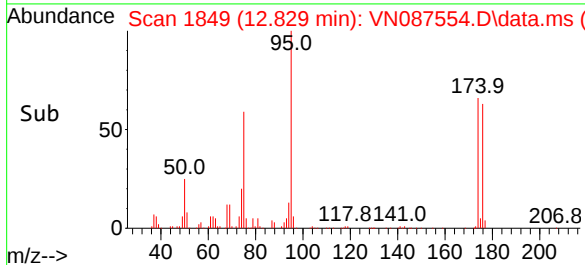
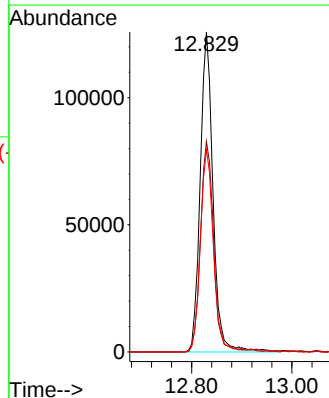
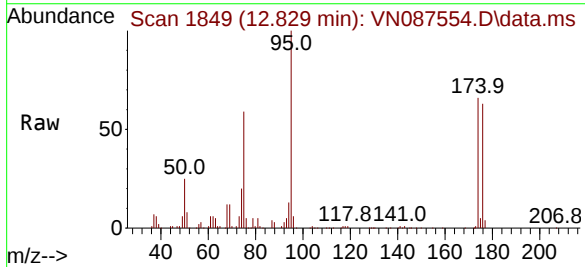
Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

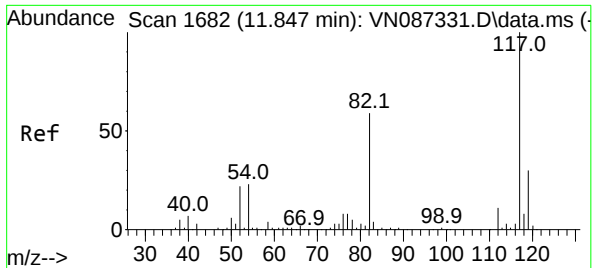
Tgt Ion: 98 Resp: 608969
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.709 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion: 95 Resp: 222642
Ion Ratio Lower Upper
95 100
174 66.5 0.0 149.4
176 64.9 0.0 141.2

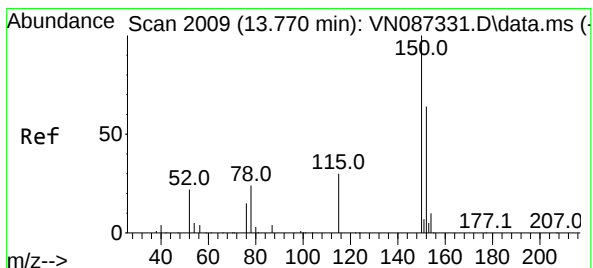
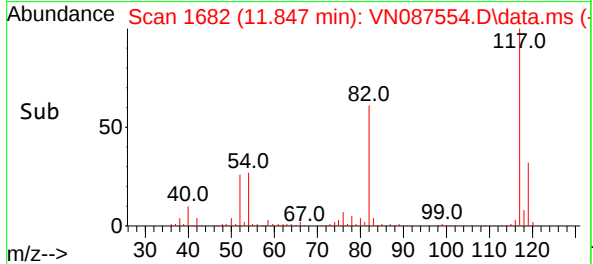
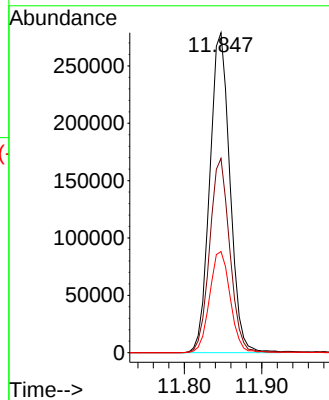
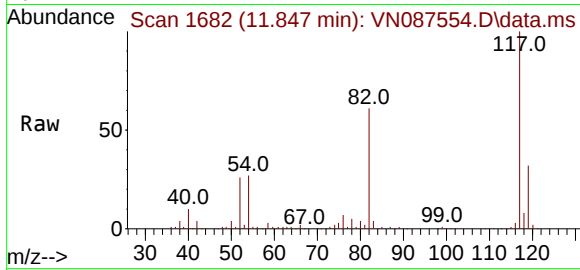




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

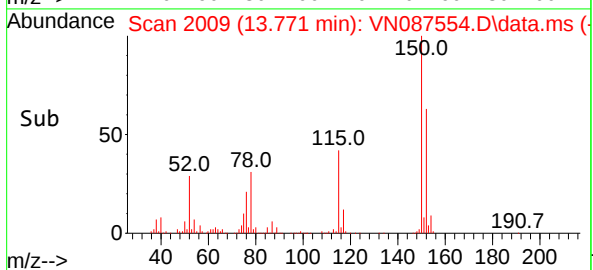
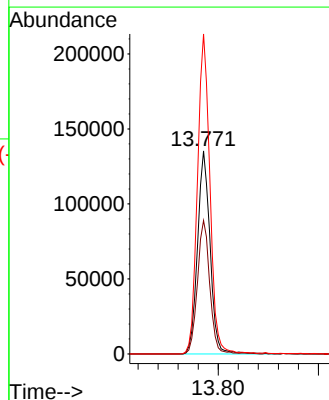
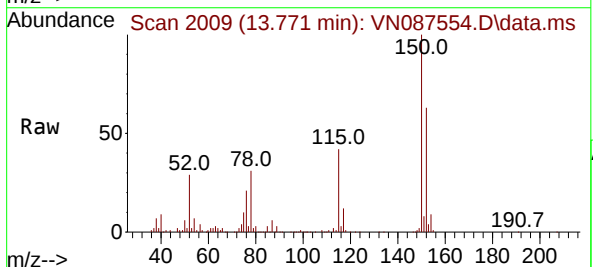
Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.4	71.2
119	31.6	23.8	35.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	31.1	93.5
150	156.1	0.0	349.0



Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	VN0814WBS01			SDG No.:	Q2836
Lab Sample ID:	VN0814WBS01			Matrix:	TCLP
Analytical Method:	8260D			% 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:	Date Analyzed	Prep Batch ID
VN087555.D	1	08/14/25 11:07	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.021		0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.021		0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.11		0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.019		0.00025	0.0010	mg/L
67-66-3	Chloroform	0.022		0.00025	0.0010	mg/L
71-43-2	Benzene	0.020		0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.022		0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.019		0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.018		0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.019		0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.6		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	8.206			
540-36-3	1,4-Difluorobenzene	485000	9.082			
3114-55-4	Chlorobenzene-d5	447000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	222000	13.77			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087555.D
 Acq On : 14 Aug 2025 11:07
 Operator : JC\MD
 Sample : VN0814WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 14 15:23:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	250453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	485218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	446518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	221983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	244982	57.648	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.300%			
35) Dibromofluoromethane	8.153	113	169668	50.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	10.547	98	605258	50.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.829	95	233458	52.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.860%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	60972	22.921	ug/l	92
3) Chloromethane	2.383	50	64803	19.372	ug/l	100
4) Vinyl Chloride	2.542	62	71080	21.381	ug/l	99
5) Bromomethane	2.983	94	38871	22.579	ug/l	96
6) Chloroethane	3.136	64	47553	21.934	ug/l	92
7) Trichlorofluoromethane	3.506	101	103028	20.959	ug/l	98
8) Diethyl Ether	3.965	74	45341	23.778	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	56020	22.200	ug/l	96
10) Methyl Iodide	4.571	142	33911	17.223	ug/l	89
11) Tert butyl alcohol	5.530	59	92129	114.174	ug/l	97
12) 1,1-Dichloroethene	4.336	96	58932	20.609	ug/l	91
13) Acrolein	4.177	56	52972	81.801	ug/l	95
14) Allyl chloride	5.012	41	106153	20.512	ug/l	91
15) Acrylonitrile	5.706	53	228245	104.238	ug/l	97
16) Acetone	4.430	43	234225	117.551	ug/l	98
17) Carbon Disulfide	4.700	76	152230	17.956	ug/l	97
18) Methyl Acetate	5.024	43	120344	24.040	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	247283	23.461	ug/l	98
20) Methylene Chloride	5.259	84	73232	21.375	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	62532	19.394	ug/l	92
22) Diisopropyl ether	6.659	45	247597	22.809	ug/l	95
23) Vinyl Acetate	6.588	43	1129441	118.964	ug/l	100
24) 1,1-Dichloroethane	6.559	63	135050	21.564	ug/l	97
25) 2-Butanone	7.477	43	332813	108.103	ug/l	95
26) 2,2-Dichloropropane	7.477	77	115630	23.748	ug/l	97
27) cis-1,2-Dichloroethene	7.477	96	78759	21.217	ug/l	94
28) Bromochloromethane	7.800	49	75409	25.159	ug/l	95
29) Tetrahydrofuran	7.829	42	208941	104.471	ug/l	98
30) Chloroform	7.953	83	140698	22.445	ug/l	99
31) Cyclohexane	8.241	56	111696	21.380	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	115982	21.362	ug/l	96
36) 1,1-Dichloropropene	8.353	75	90752	20.523	ug/l	97
37) Ethyl Acetate	7.547	43	131078	20.524	ug/l	98
38) Carbon Tetrachloride	8.347	117	93434	19.181	ug/l	96
39) Methylcyclohexane	9.582	83	96372	20.130	ug/l	93
40) Benzene	8.588	78	289566	20.261	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087555.D
 Acq On : 14 Aug 2025 11:07
 Operator : JC\MD
 Sample : VN0814WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBS01

Manual Integrations
 APPROVED

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

Quant Time: Aug 14 15:23:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	66759	19.992	ug/l	95
42) 1,2-Dichloroethane	8.659	62	116694	21.531	ug/l	97
43) Isopropyl Acetate	8.676	43	215090	21.696	ug/l	98
44) Trichloroethene	9.335	130	64743	19.172	ug/l	82
45) 1,2-Dichloropropane	9.606	63	74233	20.442	ug/l	94
46) Dibromomethane	9.688	93	56540	20.795	ug/l	94
47) Bromodichloromethane	9.871	83	112437	20.530	ug/l	99
48) Methyl methacrylate	9.665	41	98225	22.008	ug/l	95
49) 1,4-Dioxane	9.688	88	30568	447.176	ug/l #	100
51) 4-Methyl-2-Pentanone	10.429	43	661207	105.450	ug/l	98
52) Toluene	10.612	92	177586	20.443	ug/l	97
53) t-1,3-Dichloropropene	10.818	75	116338	20.990	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	116909	20.420	ug/l #	82
55) 1,1,2-Trichloroethane	10.994	97	72631	20.652	ug/l	92
56) Ethyl methacrylate	10.859	69	120174	21.091	ug/l #	93
57) 1,3-Dichloropropane	11.141	76	128302	21.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	328582	113.893	ug/l	98
59) 2-Hexanone	11.182	43	431325	103.681	ug/l	98
60) Dibromochloromethane	11.335	129	76256	19.012	ug/l	98
61) 1,2-Dibromoethane	11.447	107	75775	20.492	ug/l	95
64) Tetrachloroethene	11.088	164	51988	18.090	ug/l	94
65) Chlorobenzene	11.870	112	192917	19.244	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.941	131	65609	19.247	ug/l	97
67) Ethyl Benzene	11.947	91	336124	20.367	ug/l	98
68) m/p-Xylenes	12.053	106	249595	40.389	ug/l	94
69) o-Xylene	12.376	106	119950	20.320	ug/l	93
70) Styrene	12.394	104	205053	20.649	ug/l	96
71) Bromoform	12.559	173	48296	17.538	ug/l #	99
73) Isopropylbenzene	12.676	105	314281	22.495	ug/l	97
74) N-amyl acetate	12.535	43	108512m	18.694	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.923	83	115038	21.882	ug/l	99
76) 1,2,3-Trichloropropane	12.976	75	100267m	20.143	ug/l	
77) Bromobenzene	12.959	156	73544	20.297	ug/l	91
78) n-propylbenzene	13.017	91	389520	22.160	ug/l	99
79) 2-Chlorotoluene	13.106	91	241476	22.353	ug/l	94
80) 1,3,5-Trimethylbenzene	13.153	105	262222	22.029	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.723	75	32197	17.698	ug/l	91
82) 4-Chlorotoluene	13.200	91	250722	22.292	ug/l	95
83) tert-Butylbenzene	13.417	119	222918	22.422	ug/l	96
84) 1,2,4-Trimethylbenzene	13.464	105	269488	22.169	ug/l	99
85) sec-Butylbenzene	13.594	105	329434	21.998	ug/l	99
86) p-Isopropyltoluene	13.706	119	272080	22.671	ug/l	97
87) 1,3-Dichlorobenzene	13.711	146	145480	20.458	ug/l	98
88) 1,4-Dichlorobenzene	13.794	146	150121	19.766	ug/l	97
89) n-Butylbenzene	14.035	91	270370	23.593	ug/l	98
90) Hexachloroethane	14.311	117	49037	19.285	ug/l	96
91) 1,2-Dichlorobenzene	14.088	146	138916	20.620	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	27318	19.792	ug/l	92
93) 1,2,4-Trichlorobenzene	15.364	180	83245	21.036	ug/l	99
94) Hexachlorobutadiene	15.476	225	31065	21.127	ug/l	99
95) Naphthalene	15.617	128	298554	21.296	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	78959	19.891	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087555.D
Acq On : 14 Aug 2025 11:07
Operator : JC\MD
Sample : VN0814WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Manual Integrations
APPROVED

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

Quant Time: Aug 14 15:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 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

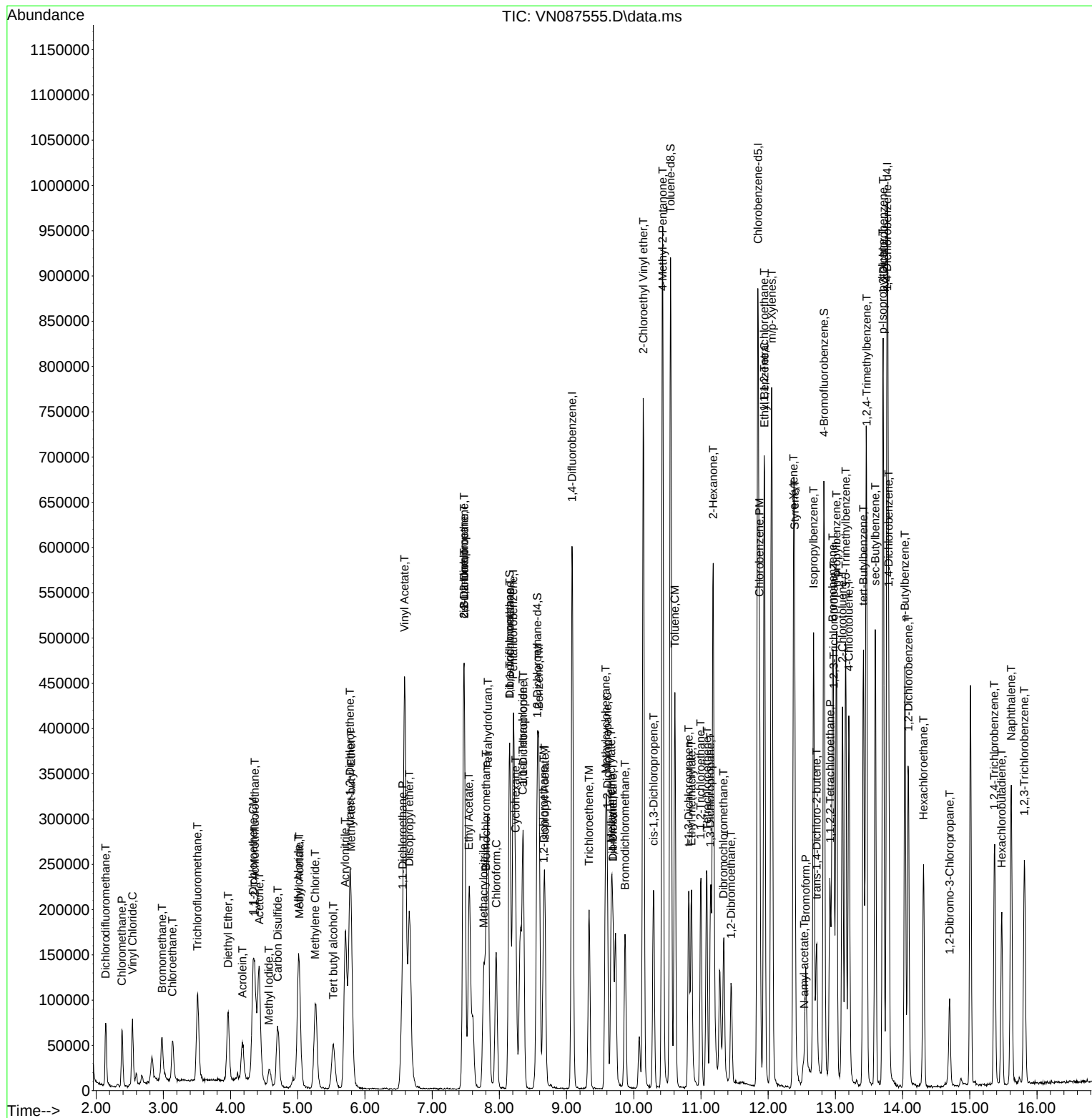
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\  
Data File : VN087555.D  
Acq On    : 14 Aug 2025  11:07  
Operator  : JC\MD  
Sample    : VN0814WBS01  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 5      Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Manual Integrations APPROVED

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

Quant Time: Aug 14 15:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



Report of Analysis

Client:	ENTACT			Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309			Date Received:	
Client Sample ID:	VN0814WBSD01			SDG No.:	Q2836
Lab Sample ID:	VN0814WBSD01			Matrix:	TCLP
Analytical Method:	8260D			% 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:	Date Analyzed	Prep Batch ID
VN087556.D	1	08/14/25 11:41	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.022		0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.020		0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.11		0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.019		0.00025	0.0010	mg/L
67-66-3	Chloroform	0.022		0.00025	0.0010	mg/L
71-43-2	Benzene	0.020		0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.022		0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.019		0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.019		0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.019		0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.6		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252000	8.212			
540-36-3	1,4-Difluorobenzene	488000	9.083			
3114-55-4	Chlorobenzene-d5	438000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	219000	13.77			

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\VN081425\
 Data File : VN087556.D
 Acq On : 14 Aug 2025 11:41
 Operator : JC\MD
 Sample : VN0814WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 14 15:23:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	252284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	487917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	437708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219431	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.565	65	246699	57.630	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.260%	
35) Dibromofluoromethane	8.153	113	166955	49.606	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.220%	
50) Toluene-d8	10.547	98	596696	49.701	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.400%	
62) 4-Bromofluorobenzene	12.829	95	220136	49.630	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.260%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.148	85	63905	23.849	ug/l	87
3) Chloromethane	2.383	50	65170	19.340	ug/l	96
4) Vinyl Chloride	2.536	62	73453	21.935	ug/l	99
5) Bromomethane	2.977	94	40866	23.566	ug/l	100
6) Chloroethane	3.136	64	49704	22.760	ug/l	100
7) Trichlorofluoromethane	3.512	101	108500	21.912	ug/l	98
8) Diethyl Ether	3.965	74	46948	24.442	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.377	101	58929	23.183	ug/l	96
10) Methyl Iodide	4.583	142	36002	17.848	ug/l #	83
11) Tert butyl alcohol	5.530	59	92884	114.274	ug/l	99
12) 1,1-Dichloroethene	4.342	96	57516	19.968	ug/l	87
13) Acrolein	4.171	56	56551	86.694	ug/l	95
14) Allyl chloride	5.006	41	106184	20.369	ug/l	91
15) Acrylonitrile	5.712	53	231861	105.121	ug/l	99
16) Acetone	4.424	43	227976	113.584	ug/l	98
17) Carbon Disulfide	4.700	76	157794	18.477	ug/l	95
18) Methyl Acetate	5.018	43	126314	25.049	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	248419	23.398	ug/l	99
20) Methylene Chloride	5.265	84	73034	21.156	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	64356	19.815	ug/l	94
22) Diisopropyl ether	6.665	45	253672	23.199	ug/l	99
23) Vinyl Acetate	6.594	43	1151450	120.402	ug/l	100
24) 1,1-Dichloroethane	6.553	63	134286	21.287	ug/l	97
25) 2-Butanone	7.471	43	336805	108.606	ug/l	95
26) 2,2-Dichloropropane	7.471	77	111133	22.659	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	76831	20.547	ug/l	92
28) Bromochloromethane	7.800	49	74199	24.576	ug/l	92
29) Tetrahydrofuran	7.830	42	222501	110.444	ug/l	97
30) Chloroform	7.947	83	140845	22.306	ug/l	94
31) Cyclohexane	8.241	56	116756	22.186	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	117425	21.471	ug/l	93
36) 1,1-Dichloropropene	8.353	75	90310	20.310	ug/l	99
37) Ethyl Acetate	7.553	43	134427	20.932	ug/l	97
38) Carbon Tetrachloride	8.347	117	94085	19.208	ug/l	94
39) Methylcyclohexane	9.582	83	104026	21.609	ug/l	98
40) Benzene	8.594	78	284206	19.776	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
 Data File : VN087556.D
 Acq On : 14 Aug 2025 11:41
 Operator : JC\MD
 Sample : VN0814WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 14 15:23:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	72000	21.442	ug/l	97
42) 1,2-Dichloroethane	8.653	62	118504	21.744	ug/l	99
43) Isopropyl Acetate	8.677	43	212790	21.345	ug/l	99
44) Trichloroethene	9.335	130	64050	18.862	ug/l	86
45) 1,2-Dichloropropane	9.606	63	75055	20.554	ug/l	94
46) Dibromomethane	9.694	93	54931	20.091	ug/l	95
47) Bromodichloromethane	9.871	83	111413	20.231	ug/l	100
48) Methyl methacrylate	9.665	41	100409	22.373	ug/l	91
49) 1,4-Dioxane	9.682	88	29767	433.049	ug/l #	95
51) 4-Methyl-2-Pentanone	10.430	43	668260	105.985	ug/l	97
52) Toluene	10.612	92	175852	20.131	ug/l	94
53) t-1,3-Dichloropropene	10.818	75	119448	21.432	ug/l	98
54) cis-1,3-Dichloropropene	10.300	75	119589	20.772	ug/l	92
55) 1,1,2-Trichloroethane	11.000	97	74879	21.173	ug/l	96
56) Ethyl methacrylate	10.859	69	119671	20.895	ug/l	94
57) 1,3-Dichloropropane	11.147	76	127196	20.802	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	328347	113.182	ug/l	98
59) 2-Hexanone	11.182	43	436445	104.331	ug/l	99
60) Dibromochloromethane	11.341	129	78024	19.346	ug/l	98
61) 1,2-Dibromoethane	11.453	107	73686	19.816	ug/l	98
64) Tetrachloroethene	11.088	164	52129	18.504	ug/l	92
65) Chlorobenzene	11.871	112	187618	19.092	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.941	131	66734	19.971	ug/l	100
67) Ethyl Benzene	11.947	91	339806	21.005	ug/l	100
68) m/p-Xylenes	12.053	106	248525	41.025	ug/l	94
69) o-Xylene	12.376	106	121878	21.062	ug/l	93
70) Styrene	12.394	104	205687	21.130	ug/l	96
71) Bromoform	12.565	173	48581	17.996	ug/l #	100
73) Isopropylbenzene	12.676	105	319331	23.122	ug/l	96
74) N-amyl acetate	12.529	43	102993m	17.949	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	118317	22.768	ug/l	96
76) 1,2,3-Trichloropropane	12.970	75	101293m	20.586	ug/l	
77) Bromobenzene	12.965	156	72136	20.140	ug/l	90
78) n-propylbenzene	13.018	91	395792	22.778	ug/l	98
79) 2-Chlorotoluene	13.106	91	234478	21.957	ug/l	95
80) 1,3,5-Trimethylbenzene	13.153	105	268028	22.778	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.723	75	31620	17.583	ug/l	90
82) 4-Chlorotoluene	13.200	91	244155	21.960	ug/l	97
83) tert-Butylbenzene	13.418	119	238209	24.238	ug/l	99
84) 1,2,4-Trimethylbenzene	13.465	105	275667	22.941	ug/l	97
85) sec-Butylbenzene	13.594	105	347328	23.463	ug/l	98
86) p-Isopropyltoluene	13.712	119	277942	23.429	ug/l	97
87) 1,3-Dichlorobenzene	13.718	146	143695	20.442	ug/l	99
88) 1,4-Dichlorobenzene	13.794	146	146684	19.538	ug/l	96
89) n-Butylbenzene	14.035	91	284341	25.101	ug/l	97
90) Hexachloroethane	14.312	117	50252	19.992	ug/l	93
91) 1,2-Dichlorobenzene	14.088	146	139190	20.901	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.706	75	26304	19.279	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	83368	21.312	ug/l	97
94) Hexachlorobutadiene	15.476	225	33388	22.970	ug/l	98
95) Naphthalene	15.617	128	306591	22.124	ug/l	100
96) 1,2,3-Trichlorobenzene	15.812	180	79522	20.266	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087556.D
Acq On : 14 Aug 2025 11:41
Operator : JC\MD
Sample : VN0814WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Manual Integrations
APPROVED

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

Quant Time: Aug 14 15:23:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 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

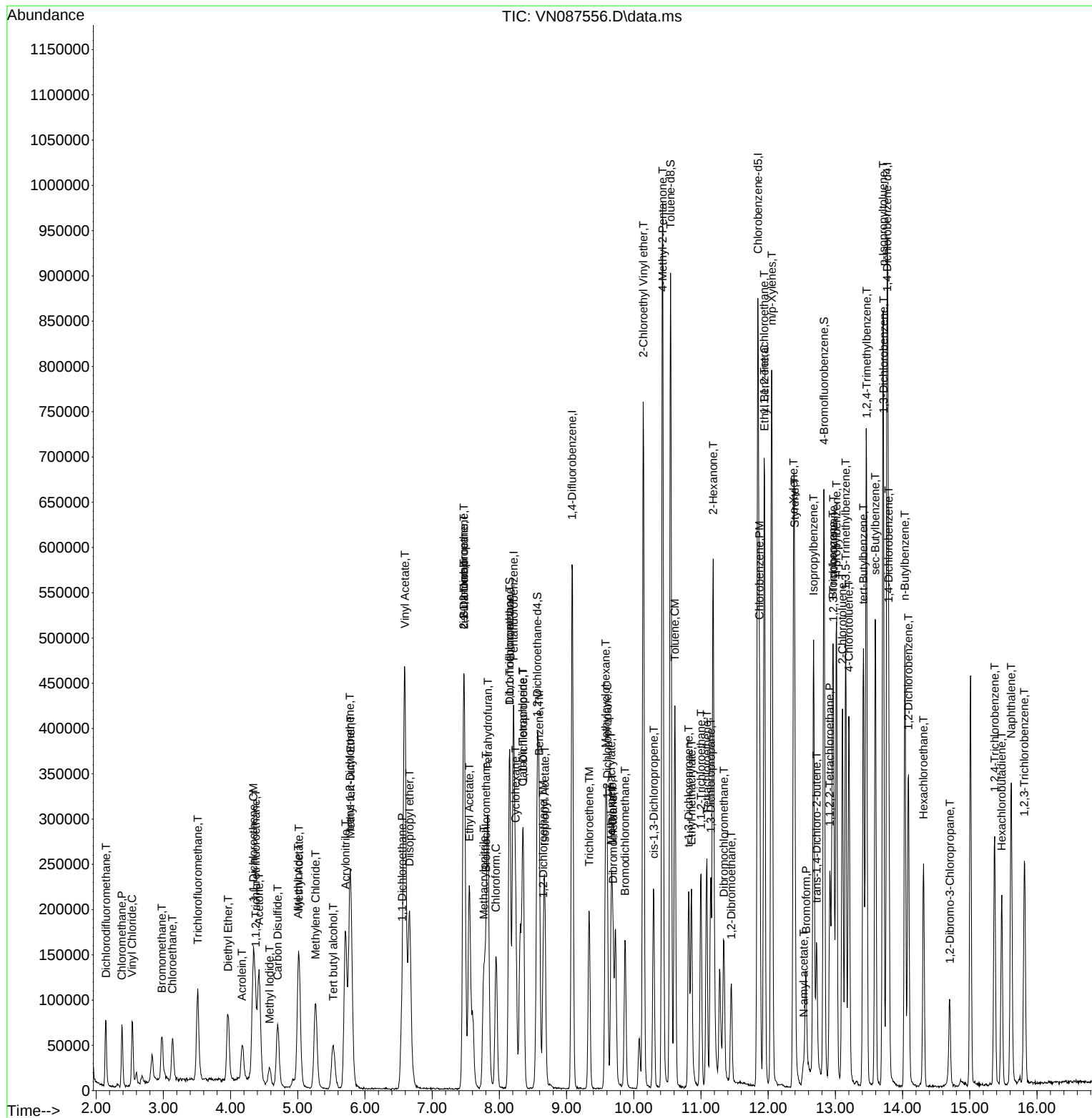
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\  
Data File : VN087556.D  
Acq On    : 14 Aug 2025   11:41  
Operator  : JC\MD  
Sample    : VN0814WBSD01  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 6      Sample Multiplier: 1
```

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Manual Integrations APPROVED

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

Quant Time: Aug 14 15:23:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087328.D	1,2,3-Trichloropropane	MMDadod a	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	1,4-Dichlorobenzene	MMDadod a	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Acetone	MMDadod a	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Allyl chloride	MMDadod a	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Methyl tert-butyl Ether	MMDadod a	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	N-amyl acetate	MMDadod a	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	1,2,3-Trichloropropane	MMDadod a	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	Methyl Iodide	MMDadod a	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	N-amyl acetate	MMDadod a	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	1,2,3-Trichloropropane	MMDadod a	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	N-amyl acetate	MMDadod a	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	1,2,3-Trichloropropane	MMDadod a	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	N-amyl acetate	MMDadod a	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN071625

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087332.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:58 AM	Sam	7/17/2025 8:25:00 AM	Peak Integrated by Software
VSTDICC150	VN087333.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:59 AM	Sam	7/17/2025 8:25:02 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	N-amyl acetate	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN081425

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087552.D	1,2,3-Trichloropropane	JOHN	8/14/2025 4:35:55 PM	MMDadoda	8/19/2025 1:44:04 AM	Peak Integrated by Software
VN0814WBS01	VN087555.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:11:28 AM	MMDadoda	8/19/2025 1:44:07 AM	Peak Integrated by Software
VN0814WBS01	VN087555.D	N-amyl acetate	JOHN	8/18/2025 8:11:28 AM	MMDadoda	8/19/2025 1:44:07 AM	Peak Integrated by Software
VN0814WBSD01	VN087556.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:11:34 AM	MMDadoda	8/19/2025 1:44:10 AM	Peak Integrated by Software
VN0814WBSD01	VN087556.D	N-amyl acetate	JOHN	8/18/2025 8:11:34 AM	MMDadoda	8/19/2025 1:44:10 AM	Peak Integrated by Software
VSTDCCC050	VN087571.D	1,2,3-Trichloropropane	JOHN	8/15/2025 8:40:12 AM	MMDadoda	8/19/2025 1:44:23 AM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM
SubDirectory	VN071625	HP Acquire Method	HP Processing Method 82N071625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134794		
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP134801		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087327.D	16 Jul 2025 16:10	JC\MD	Ok
2	VSTDIC001	VN087328.D	16 Jul 2025 17:05	JC\MD	Ok,M
3	VSTDIC005	VN087329.D	16 Jul 2025 17:27	JC\MD	Ok,M
4	VSTDIC020	VN087330.D	16 Jul 2025 17:49	JC\MD	Ok,M
5	VSTDIC050	VN087331.D	16 Jul 2025 18:11	JC\MD	Ok,M
6	VSTDIC100	VN087332.D	16 Jul 2025 18:32	JC\MD	Ok,M
7	VSTDIC150	VN087333.D	16 Jul 2025 18:54	JC\MD	Ok,M
8	IBLK	VN087334.D	16 Jul 2025 19:16	JC\MD	Ok
9	VSTDICV050	VN087335.D	16 Jul 2025 19:59	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN081425

Review By	John Carlone	Review On	8/15/2025 8:42:25 AM
Supervise By	Maresh Dadoda	Supervise On	8/19/2025 1:44:35 AM
SubDirectory	VN081425	HP Acquire Method	HP Processing Method 82N071625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135139		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135140,VP135141		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087551.D	14 Aug 2025 09:01	JC\MD	Ok
2	VSTDCCC050	VN087552.D	14 Aug 2025 09:34	JC\MD	Ok,M
3	VN0814MBL01	VN087553.D	14 Aug 2025 10:10	JC\MD	Ok
4	VN0814WBL01	VN087554.D	14 Aug 2025 10:32	JC\MD	Ok
5	VN0814WBS01	VN087555.D	14 Aug 2025 11:07	JC\MD	Ok,M
6	VN0814WBSD01	VN087556.D	14 Aug 2025 11:41	JC\MD	Ok,M
7	Q2832-02	VN087557.D	14 Aug 2025 12:03	JC\MD	Ok
8	Q2832-04	VN087558.D	14 Aug 2025 12:24	JC\MD	Ok,M
9	Q2836-01	VN087559.D	14 Aug 2025 12:46	JC\MD	Ok
10	Q2836-05	VN087560.D	14 Aug 2025 13:08	JC\MD	Ok
11	Q2836-09	VN087561.D	14 Aug 2025 13:30	JC\MD	Ok
12	Q2836-13	VN087562.D	14 Aug 2025 13:52	JC\MD	Ok
13	Q2838-04	VN087563.D	14 Aug 2025 14:14	JC\MD	Ok
14	Q2838-08	VN087564.D	14 Aug 2025 14:36	JC\MD	Ok
15	Q2842-08	VN087565.D	14 Aug 2025 14:58	JC\MD	Ok
16	Q2842-01	VN087566.D	14 Aug 2025 15:20	JC\MD	Ok
17	Q2842-02	VN087567.D	14 Aug 2025 15:42	JC\MD	Ok
18	Q2842-03	VN087568.D	14 Aug 2025 16:04	JC\MD	Ok
19	Q2842-04MS	VN087569.D	14 Aug 2025 16:27	JC\MD	Ok,M
20	Q2842-05MSD	VN087570.D	14 Aug 2025 16:49	JC\MD	Ok,M
21	VSTDCCC050	VN087571.D	14 Aug 2025 17:11	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN071625

Review By	Maresh Dadoda	Review On	7/17/2025 8:20:05 AM
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM
SubDirectory	VN071625	HP Acquire Method	HP Processing Method 82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134794 VP134795,VP134796,VP134797,VP134798,VP134799,VP134800 VP134801

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087327.D	16 Jul 2025 16:10		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087328.D	16 Jul 2025 17:05		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN087329.D	16 Jul 2025 17:27	% d fail for com.#10 in 5 ppb	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087330.D	16 Jul 2025 17:49	LR- 10,20	JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	QR- 56	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087332.D	16 Jul 2025 18:32		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087333.D	16 Jul 2025 18:54		JC\MD	Ok,M
8	IBLK	IBLK	VN087334.D	16 Jul 2025 19:16		JC\MD	Ok
9	VSTDICV050	ICVVN071625	VN087335.D	16 Jul 2025 19:59		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN081425

Review By	John Carlone	Review On	8/15/2025 8:42:25 AM
Supervise By	Maresh Dadoda	Supervise On	8/19/2025 1:44:35 AM
SubDirectory	VN081425	HP Acquire Method	HP Processing Method 82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP135139
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135140,VP135141

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087551.D	14 Aug 2025 09:01		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087552.D	14 Aug 2025 09:34	pH#Lot#V12668	JC\MD	Ok,M
3	VN0814MBL01	VN0814MBL01	VN087553.D	14 Aug 2025 10:10		JC\MD	Ok
4	VN0814WBL01	VN0814WBL01	VN087554.D	14 Aug 2025 10:32		JC\MD	Ok
5	VN0814WBS01	VN0814WBS01	VN087555.D	14 Aug 2025 11:07		JC\MD	Ok,M
6	VN0814WBSD01	VN0814WBSD01	VN087556.D	14 Aug 2025 11:41		JC\MD	Ok,M
7	Q2832-02	TG-S01	VN087557.D	14 Aug 2025 12:03	vial B pH#5.0	JC\MD	Ok
8	Q2832-04	TG-S02	VN087558.D	14 Aug 2025 12:24	vial B pH#5.0	JC\MD	Ok,M
9	Q2836-01	WC-A2-15-G	VN087559.D	14 Aug 2025 12:46	vial B pH#5.0	JC\MD	Ok
10	Q2836-05	WC-A2-16-G	VN087560.D	14 Aug 2025 13:08	vial B pH#5.0	JC\MD	Ok
11	Q2836-09	WC-A2-17-G	VN087561.D	14 Aug 2025 13:30	vial B pH#5.0	JC\MD	Ok
12	Q2836-13	WC-A5-02-G	VN087562.D	14 Aug 2025 13:52	vial B pH#5.0	JC\MD	Ok
13	Q2838-04	TP-11	VN087563.D	14 Aug 2025 14:14	vial B pH#5.0	JC\MD	Ok
14	Q2838-08	TP-10	VN087564.D	14 Aug 2025 14:36	vial B pH#5.0	JC\MD	Ok
15	Q2842-08	TB01-081225	VN087565.D	14 Aug 2025 14:58	vial A pH<2 TB	JC\MD	Ok
16	Q2842-01	RMW-03B-90.4-081220	VN087566.D	14 Aug 2025 15:20	vial A pH<2	JC\MD	Ok
17	Q2842-02	RMW-02B-66.3-081220	VN087567.D	14 Aug 2025 15:42	vial A pH<2	JC\MD	Ok
18	Q2842-03	MW-17B-55.5-0812202	VN087568.D	14 Aug 2025 16:04	vial A pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN081425

Review By	John Carlone	Review On	8/15/2025 8:42:25 AM
Supervise By	Maresh Dadoda	Supervise On	8/19/2025 1:44:35 AM
SubDirectory	VN081425	HP Acquire Method	HP Processing Method 82N071625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP135139		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP135140,VP135141		

19	Q2842-04MS	MW-17B-55.5-081225M	VN087569.D	14 Aug 2025 16:27	vial A pH<2	JC\MD	Ok,M
20	Q2842-05MSD	MW-17B-55.5-081225M	VN087570.D	14 Aug 2025 16:49	vial A pH<2	JC\MD	Ok,M
21	VSTDCCC050	VSTDCCC050EC	VN087571.D	14 Aug 2025 17:11		JC\MD	Ok,M

M : Manual Integration

SOP ID :	M1311-TCLP-16	
SDG No :	N/A	Start Prep Date : 08/12/2025 Time : 17:00
Welgh By :	JP	End Prep Date : 08/13/2025 Time : 10:35
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A
Extraction By :	JP	Initial Room Temperature: 24 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pippete ID :	WC	TCLP Technician Signature : <i>JP</i>
Tumbler ID :	ZHE-1	Supervisor By : <i>RM</i>
TCLP Filter ID :	60828725	

Standarded 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
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112804
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
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. Leck checked after 10 minutes of tumbling. TUMBLER ZHE-1 / ZHE-2 checked, 30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/13/25 11:40	<i>JP</i> / <i>1400 am</i>	<i>JC</i> / <i>IVOC Lab</i>
	Preparation Group	Analysis Group

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
PB169213TB	LEB213	13	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2
Q2732-01	WC-A7-01-G	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2832-02	TG-S01	02	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2832-04	TG-S02	03	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2832-06	TG-S03	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2832-08	TG-S04	05	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2832-10	TG-S05	06	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2836-01	WC-A2-15-G	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2836-05	WC-A2-16-G	08	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2836-09	WC-A2-17-G	09	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2836-13	WC-A5-02-G	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2838-04	TP-11	11	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2838-08	TP-10	12	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
PB169213TB	LEB213	N/A	N/A	N/A	N/A	N/A	N/A
Q2732-01	WC-A7-01-G	N/A	N/A	N/A	N/A	100	N/A
Q2832-02	TG-S01	N/A	N/A	N/A	N/A	100	N/A
Q2832-04	TG-S02	N/A	N/A	N/A	N/A	100	N/A
Q2832-06	TG-S03	N/A	N/A	N/A	N/A	100	N/A
Q2832-08	TG-S04	N/A	N/A	N/A	N/A	100	N/A
Q2832-10	TG-S05	N/A	N/A	N/A	N/A	100	N/A
Q2836-01	WC-A2-15-G	N/A	N/A	N/A	N/A	100	N/A
Q2836-05	WC-A2-16-G	N/A	N/A	N/A	N/A	100	N/A
Q2836-09	WC-A2-17-G	N/A	N/A	N/A	N/A	100	N/A
Q2836-13	WC-A5-02-G	N/A	N/A	N/A	N/A	100	N/A
Q2838-04	TP-11	N/A	N/A	N/A	N/A	100	N/A
Q2838-08	TP-10	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip zhe q2832

WorkList ID : 191221

Department : TCPLP Extraction

Date : 08-12-2025 11:53:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2732-01	WC-A7-01-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J21	08/12/2025	1311 ZHE
Q2832-02	TG-S01	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311 ZHE
Q2832-04	TG-S02	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311 ZHE
Q2832-06	TG-S03	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311 ZHE
Q2832-08	TG-S04	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311 ZHE
Q2832-10	TG-S02	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/11/2025	1311 ZHE
Q2836-01	WC-A2-15-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	J21	08/12/2025	1311 ZHE
Q2836-05	WC-A2-16-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311 ZHE
Q2836-09	WC-A2-17-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311 ZHE
Q2836-13	WC-A5-02-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311 ZHE
Q2838-04	TP-11	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J23	08/12/2025	1311 ZHE
Q2838-08	TP-10	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D21	08/12/2025	1311 ZHE
					PSEG03	D21	08/12/2025	1311 ZHE

Date/Time 08/12/25 14:30
 Raw Sample Received by: JP WOC
 Raw Sample Relinquished by: CP SM

Date/Time 08/12/25 18:00
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: JP WOC



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092

(908) 789-8900 Fax: (908) 788-9222

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CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q 2836

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: 412-716-1366

FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY

PROJECT #: E9309 LOCATION: Brooklyn, NY

PROJECT MANAGER: Austin Farmerie

E-MAIL: afarmerie@entact.com

PHONE: 412-716-1366

FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC

PO# E9309

ADDRESS: 999 Oakmont Plaza Drive, Suite 300

CITY: Westmont

STATE: IL ZIP: 60559

ATTENTION: Wendy Murray

PHONE: 800-936-8228

ANALYSIS

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

* For TCLP pH -
include preparatory
information for TCLP
leachate

PRESERVATIVES

E	E	E	E	E	E	E	E	E
1	2	3	4	5	6	7	8	9

COMMENTS

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

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

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

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAB	DATE	TIME		E	E	E	E	E	E	E	E	E	
1.	WC-A2-15-G	Soil		X	8/12	12:00	1	X									
2.	WC-A2-15-C	Soil	X		8/12	12:00	11		X	X	X	X	X	X	X	X	
3.	WC-A2-16-G	Soil		X	8/12	12:00	1	X									
4.	WC-A2-16-C	Soil	X		8/12	12:00	11		X	X	X	X	X	X	X	X	
5.	WC-A2-17-G	Soil		X	8/12	12:00	1	X									
6.	WC-A2-17-C	Soil	X		8/12	12:00	11		X	X	X	X	X	X	X	X	
7.	WC-A5-02-G	Soil		X	8/12	12:00	1	X									
8.	WC-A5-02-C	Soil	X		8/12	12:00	11		X	X	X	X	X	X	X	X	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 8-12-25 12:11	RECEIVED BY (Signature) 8-12-25 12:11	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 5.1°C ☐ Ice in Cooler?:
RELINQUISHED BY	DATE/TIME	RECEIVED BY	Comments:
2.		2.	
RELINQUISHED BY	DATE/TIME 8-12-25 14:14	RECEIVED FOR LAB BY	
3.		3.	

Page _____ of _____

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

Shipment Complete
☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT

YELLOW - ALLIANCE COPY

PINK - SAMPLER COPY



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CHAIN OF CUSTODY RECORD

Alliance Project Number:

Q 2836

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: 412-716-1366 FAX:

PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY
PROJECT #: E9309 LOCATION: Brooklyn, NY
PROJECT MANAGER: Austin Farmerie
E-MAIL: afarmerie@entact.com
PHONE: 412-716-1366 FAX:

BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: 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 (9045D)	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			
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	WC-A2-15-G	Soil		X	8/12	12:00	1										<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
2.	WC-A2-15-C	Soil	X		8/12	12:00	11	X	X	X	X	X	X	X			
3.	WC-A2-16-G	Soil		X	8/12	12:00	1										
4.	WC-A2-16-C	Soil	X		8/12	12:00	11	X	X	X	X	X	X	X			
5.	WC-A2-17-G	Soil		X	8/12	12:00	1										
6.	WC-A2-17-C	Soil	X		8/12	12:00	11	X	X	X	X	X	X	X			
7.	WC-A5-02-G	Soil		X	8/12	12:00	1										
8.	WC-A5-02-C	Soil	X		8/12	12:00	11	X	X	X	X	X	X	X			
9.																	
10.																	

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

RELINQUISHED BY SAMPLER 1. Austin Farmerie	DATE/TIME 8-12-25 12:11	RECEIVED BY 1. [Signature] 8-12-25 12:11	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 5-1 C ☐ Ice in Cooler?:
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	Comments:
RELINQUISHED BY 3. [Signature]	DATE/TIME 8-12-25 4:14	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



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

Laboratory Certification

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