284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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 is 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

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LAB CHRONICLE

OrderID:	Q3181	**OrderDate:**	9/24/2025 12:57:00 PM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Austin Farmerie	**Location:**	J33

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3181-01	**WC-A3-01-G**	**TCLP**			**09/24/25**			**09/24/25**
			TCLP VOA	8260D			09/26/25	
Q3181-05	**WC-A3-02-G**	**TCLP**			**09/24/25**			**09/24/25**
			TCLP VOA	8260D			09/26/25	
Q3181-09	**WC-A3-03-G**	**TCLP**			**09/24/25**			**09/24/25**
			TCLP VOA	8260D			09/26/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3181

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WC-A3-01-G**							
Q3181-01	WC-A3-01-G	TCLP	2-Butanone	0.0064	J	0.00098	0.025	mg/L
Q3181-01	WC-A3-01-G	TCLP	Benzene	0.0015	J	0.00015	0.0050	mg/L
			Total Voc :	0.0079				
			Total Concentration:	0.0079				
Client ID:	**WC-A3-02-G**							
Q3181-05	WC-A3-02-G	TCLP	Benzene	0.0010	J	0.00015	0.0050	mg/L
			Total Voc :	0.0010				
			Total Concentration:	0.0010				
Client ID:	**WC-A3-03-G**							
Q3181-09	WC-A3-03-G	TCLP	Benzene	0.0013	J	0.00015	0.0050	mg/L
			Total Voc :	0.0013				
			Total Concentration:	0.0013				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q3181

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3181-01	WC-A3-01-G	1,2-Dichloroethane-d4	50	59.5	119		70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97		70 (75)	130 (124)
		Toluene-d8	50	50.4	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97		70 (77)	130 (121)
Q3181-05	WC-A3-02-G	1,2-Dichloroethane-d4	50	55.4	111		70 (74)	130 (125)
		Dibromofluoromethane	50	48.1	96		70 (75)	130 (124)
		Toluene-d8	50	48.0	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.8	90		70 (77)	130 (121)
Q3181-09	WC-A3-03-G	1,2-Dichloroethane-d4	50	57.3	115		70 (74)	130 (125)
		Dibromofluoromethane	50	48.3	97		70 (75)	130 (124)
		Toluene-d8	50	47.8	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.2	90		70 (77)	130 (121)
VN0926WBL01	VN0926WBL01	1,2-Dichloroethane-d4	50	58.4	117		70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101		70 (75)	130 (124)
		Toluene-d8	50	50.3	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.6	89		70 (77)	130 (121)
VN0926WBS01	VN0926WBS01	1,2-Dichloroethane-d4	50	53.6	107		70 (74)	130 (125)
		Dibromofluoromethane	50	50.6	101		70 (75)	130 (124)
		Toluene-d8	50	50.7	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101		70 (77)	130 (121)
VN0926WBSD0	VN0926WBSD01	1,2-Dichloroethane-d4	50	50.9	102		70 (74)	130 (125)
		Dibromofluoromethane	50	48.6	97		70 (75)	130 (124)
		Toluene-d8	50	50.3	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.7	97		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3181 **Analytical Method:** SW8260D

Client: ENTACT **Datafile :** VN087964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0926WBS01	Vinyl chloride	20	20.6	ug/L	103			70 (65)	130 (117)	
	1,1-Dichloroethene	20	22.2	ug/L	111			70 (74)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.4	ug/L	102			70 (77)	130 (113)	
	Chloroform	20	22.7	ug/L	114			70 (79)	130 (113)	
	Benzene	20	21.1	ug/L	106			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.3	ug/L	106			70 (80)	130 (115)	
	Trichloroethene	20	20.6	ug/L	103			70 (77)	130 (113)	
	Tetrachloroethene	20	19.6	ug/L	98			70 (67)	130 (123)	
	Chlorobenzene	20	20.8	ug/L	104			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3181 **Analytical Method:** SW8260D

Client: ENTACT **Datafile :** VN087965.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0926WBSD01	Vinyl chloride	20	22.1	ug/L	111	7		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	22.7	ug/L	114	3		70 (74)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	21.9	ug/L	110	8		70 (77)	130 (113)	20 (15)
	Chloroform	20	20.9	ug/L	104	9		70 (79)	130 (113)	20 (20)
	Benzene	20	21.0	ug/L	105	1		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.5	ug/L	103	3		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.6	ug/L	103	0		70 (77)	130 (113)	20 (15)
	Tetrachloroethene	20	22.1	ug/L	111	12		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	20.9	ug/L	104	0		70 (82)	130 (109)	20 (15)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0926WBL01

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG NO.: Q3181

Lab File ID: VN087963.D Lab Sample ID: VN0926WBL01

Date Analyzed: 09/26/2025 Time Analyzed: 13:49

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
VN0926WBS01	VN0926WBS01	VN087964.D	09/26/2025
VN0926WBSD01	VN0926WBSD01	VN087965.D	09/26/2025
WC-A3-01-G	Q3181-01	VN087967.D	09/26/2025
WC-A3-02-G	Q3181-05	VN087968.D	09/26/2025
WC-A3-03-G	Q3181-09	VN087969.D	09/26/2025

COMMENTS:

Raw Data: **VN087922.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ENTA05

Lab Code: ACE | SDG NO.: Q3181

Lab File ID: VN087922.D | BFB Injection Date: 09/23/2025

Instrument ID: MSVOA_N | BFB Injection Time: 08:31

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	21.1
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	75.3
175	5.0 - 9.0% of mass 174	6.2 (8.3) 1
176	95.0 - 101.0% of mass 174	74.2 (98.4) 1
177	5.0 - 9.0% of mass 176	4.4 (6) 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
VSTDICC005	VSTDICC005	VN087924.D	09/23/2025	09:33
VSTDICCC050	VSTDICCC050	VN087926.D	09/23/2025	10:15
VSTDICC100	VSTDICC100	VN087927.D	09/23/2025	10:36
VSTDICC150	VSTDICC150	VN087928.D	09/23/2025	10:56
VSTDICC020	VSTDICC020	VN087930.D	09/23/2025	11:47

Raw Data: **VN087960.D**

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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.: Q3181

Lab File ID: VN087960.D | BFB Injection Date: 09/26/2025

Instrument ID: MSVOA_N | BFB Injection Time: 12:11

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	19.9
75	30.0 - 60.0% of mass 95	54.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	76.4
175	5.0 - 9.0% of mass 174	6.3 (8.3) 1
176	95.0 - 101.0% of mass 174	73.1 (95.6) 1
177	5.0 - 9.0% of mass 176	4.8 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087961.D	09/26/2025	12:53
VN0926WBL01	VN0926WBL01	VN087963.D	09/26/2025	13:49
VN0926WBS01	VN0926WBS01	VN087964.D	09/26/2025	14:10
VN0926WBSD01	VN0926WBSD01	VN087965.D	09/26/2025	14:45
WC-A3-01-G	Q3181-01	VN087967.D	09/26/2025	15:27
WC-A3-02-G	Q3181-05	VN087968.D	09/26/2025	15:49
WC-A3-03-G	Q3181-09	VN087969.D	09/26/2025	16:10

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG NO.: Q3181

Lab File ID: VN087961.D Date Analyzed: 09/26/2025

Instrument ID: MSVOA_N Time Analyzed: 12:53

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	207820	8.21	397459	9.08	386821	11.85
UPPER LIMIT	415640	8.706	794918	9.582	773642	12.347
LOWER LIMIT	103910	7.706	198730	8.582	193411	11.347
EPA SAMPLE NO.						
WC-A3-01-G	178955	8.21	392164	9.08	414447	11.85
WC-A3-01-G	178955	8.21	392164	9.08	414447	11.85
WC-A3-02-G	183424	8.21	408536	9.08	411042	11.85
WC-A3-02-G	183424	8.21	408536	9.08	411042	11.85
WC-A3-03-G	184198	8.21	412130	9.08	421613	11.84
WC-A3-03-G	184198	8.21	412130	9.08	421613	11.84
VN0926WBL01	239293	8.21	535067	9.08	507778	11.85
VN0926WBL01	239293	8.21	535067	9.08	507778	11.85
VN0926WBS01	204106	8.21	390365	9.08	380422	11.84
VN0926WBS01	204106	8.21	390365	9.08	380422	11.84
VN0926WBSD01	220191	8.21	400196	9.08	378862	11.85
VN0926WBSD01	220191	8.21	400196	9.08	378862	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG NO.: Q3181

Lab File ID: VN087961.D Date Analyzed: 09/26/2025

Instrument ID: MSVOA_N Time Analyzed: 12:53

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	216102	13.77				
UPPER LIMIT	432204	14.27				
LOWER LIMIT	108051	13.27				
EPA SAMPLE NO.						
WC-A3-01-G	187569	13.77				
WC-A3-01-G	187569	13.77				
WC-A3-02-G	193008	13.77				
WC-A3-02-G	193008	13.77				
WC-A3-03-G	196969	13.77				
WC-A3-03-G	196969	13.77				
VN0926WBL01	233948	13.77				
VN0926WBL01	233948	13.77				
VN0926WBS01	204880	13.77				
VN0926WBS01	204880	13.77				
VN0926WBSD01	203685	13.77				
VN0926WBSD01	203685	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

Raw Data: **VN087967.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-01-G	SDG No.:	Q3181
Lab Sample ID:	Q3181-01	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
VN087967.D	1	09/26/25 15:27	VN092625

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	0.0064	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	0.0015	J	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	59.5		70 (74) - 130 (125)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	8.206			
540-36-3	1,4-Difluorobenzene	392000	9.083			
3114-55-4	Chlorobenzene-d5	414000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	188000	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\VN092625\
Data File : VN087967.D
Acq On : 26 Sep 2025 15:27
Operator : JC\MD
Sample : Q3181-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-01-G

Quant Time: Sep 27 01:26:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

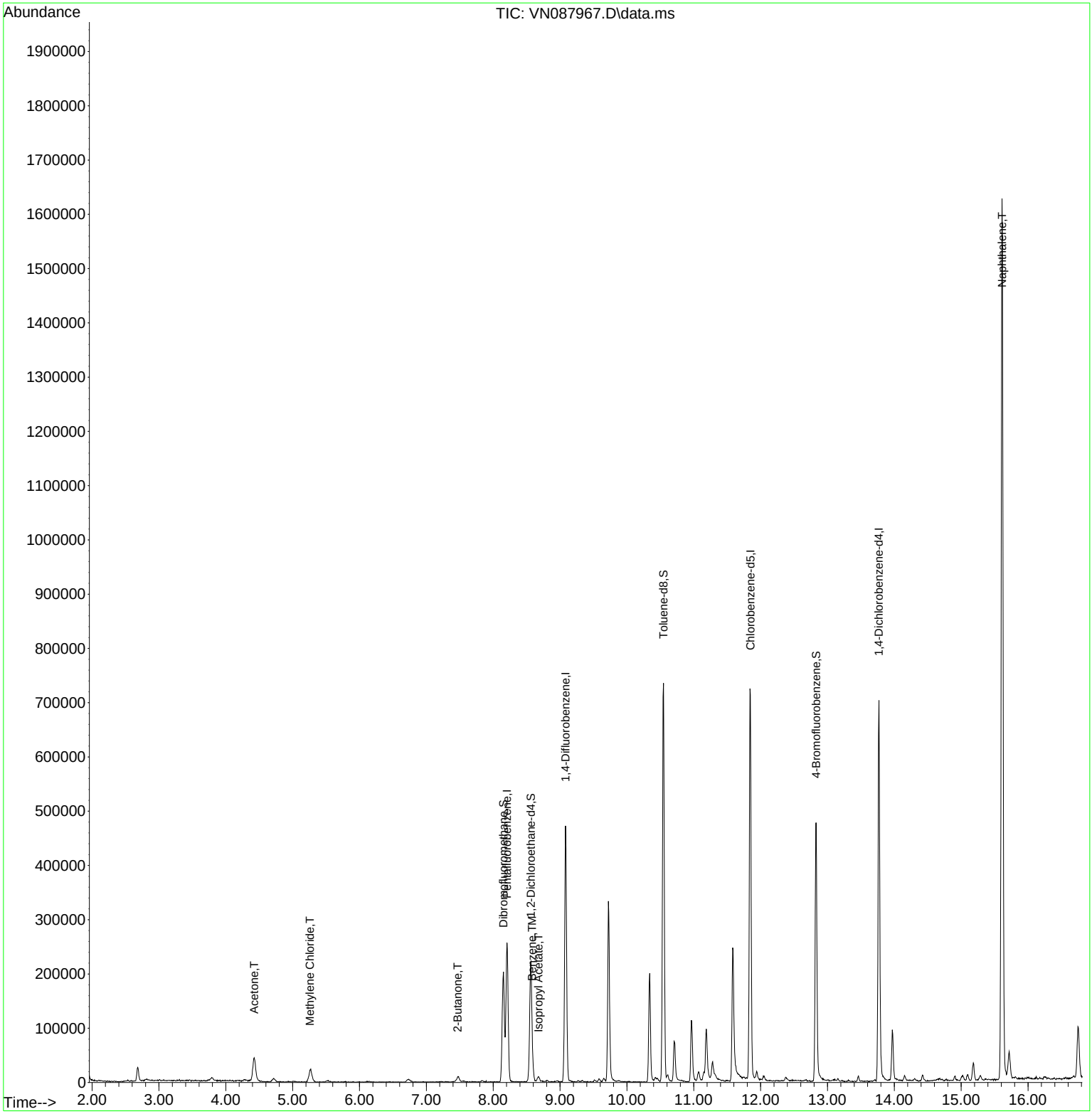
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	178955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	392164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	414447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	187569	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	179043	59.450	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.900%			
35) Dibromofluoromethane	8.153	113	138134	48.514	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.020%			
50) Toluene-d8	10.547	98	504907	50.425	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.829	95	172948	48.322	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.640%			
Target Compounds						Qvalue
16) Acetone	4.424	43	83772	67.605	ug/l	98
20) Methylene Chloride	5.259	84	17906	7.139	ug/l #	88
25) 2-Butanone	7.471	43	12149	6.415	ug/l #	82
40) Benzene	8.583	78	17022	1.502	ug/l #	90
43) Isopropyl Acetate	8.677	43	11126	1.572	ug/l #	89
95) Naphthalene	15.612	128	1479024	134.130	ug/l	99

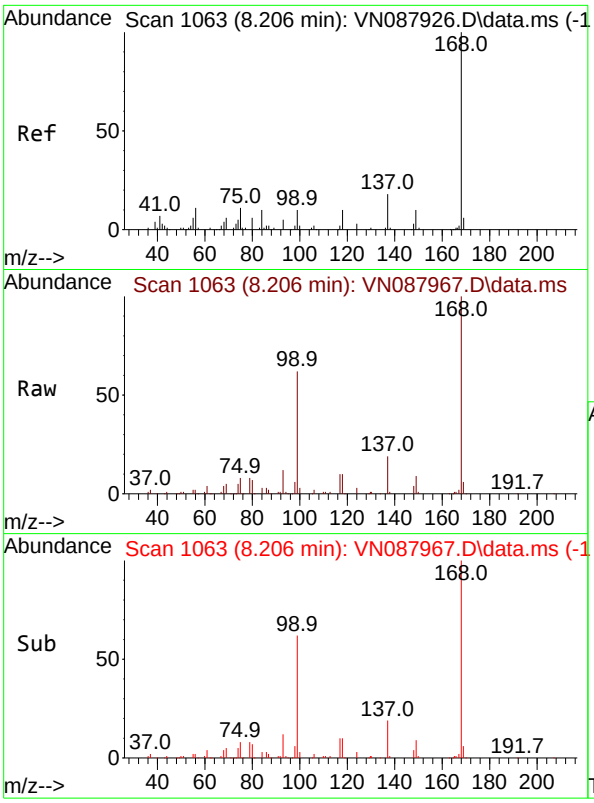
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087967.D
Acq On : 26 Sep 2025 15:27
Operator : JC\MD
Sample : Q3181-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-01-G

Quant Time: Sep 27 01:26:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



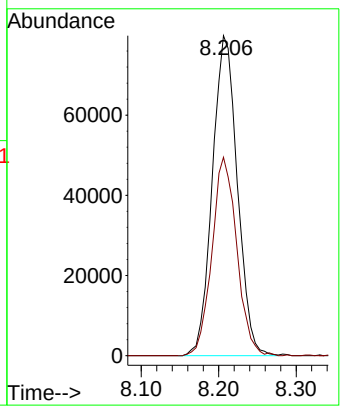


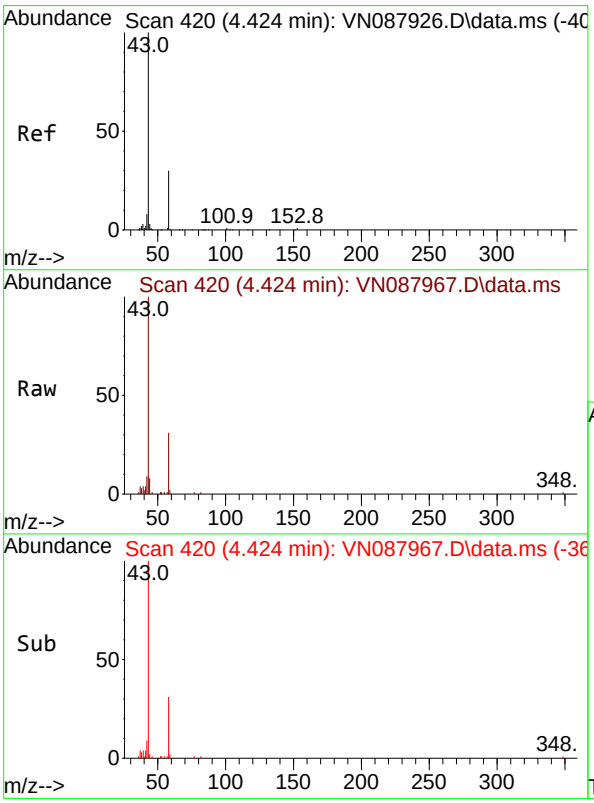
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-01-G

Tgt Ion:168 Resp: 178955

Ion	Ratio	Lower	Upper
168	100		
99	62.0	52.2	78.2

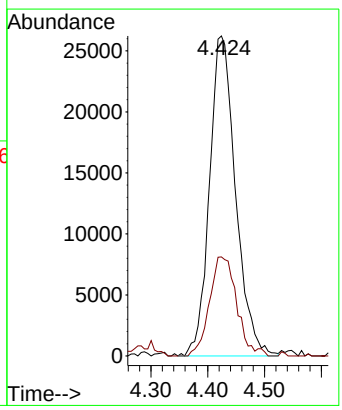


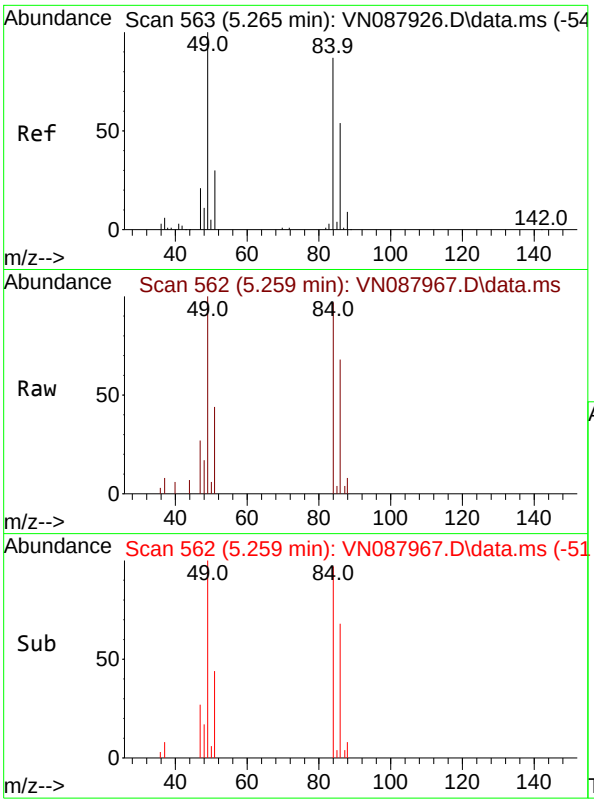


#16
Acetone
Concen: 67.605 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Tgt Ion: 43 Resp: 83772

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.1	36.1



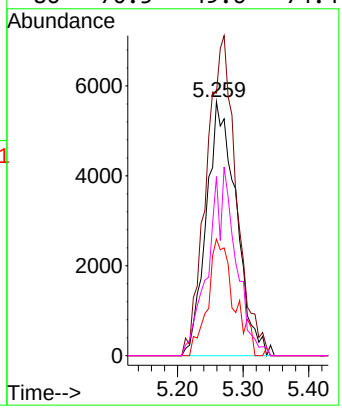


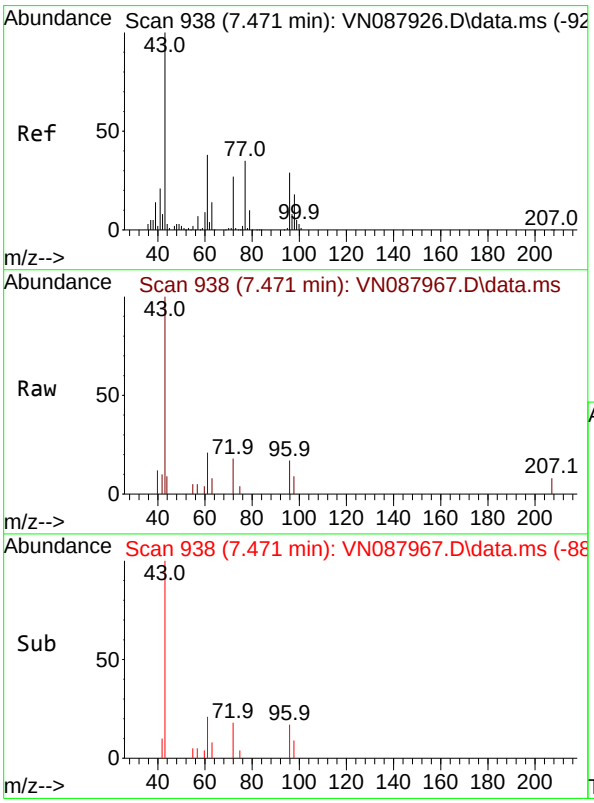
#20
Methylene Chloride
Concen: 7.139 ug/l
RT: 5.259 min Scan# 5
Delta R.T. -0.006 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-01-G

Tgt Ion: 84 Resp: 17906

Ion	Ratio	Lower	Upper
84	100		
49	103.4	92.1	138.1
51	45.8	27.7	41.5#
86	70.5	49.6	74.4

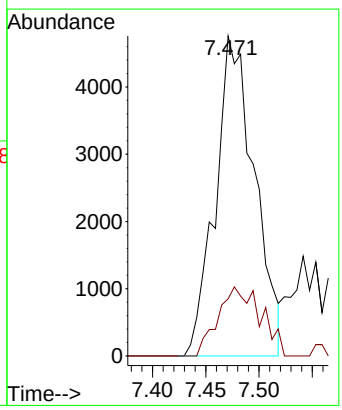


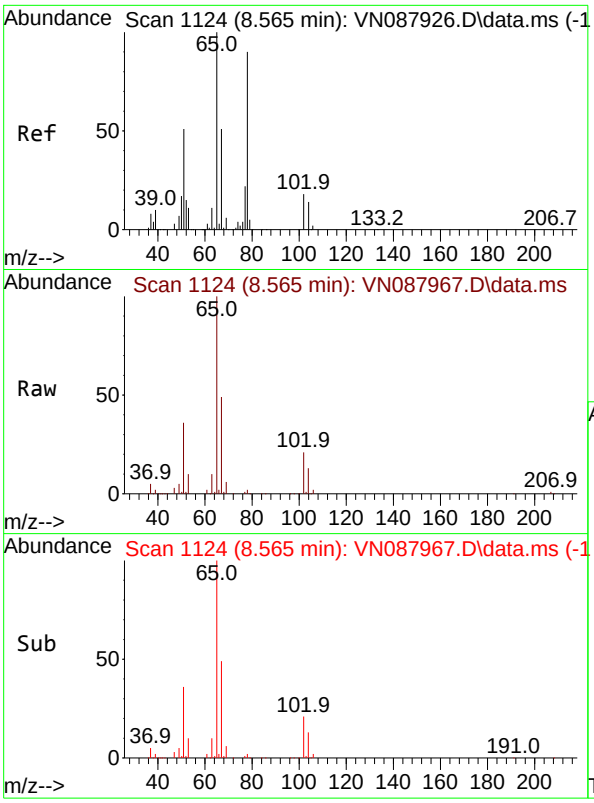


#25
2-Butanone
Concen: 6.415 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Tgt Ion: 43 Resp: 12149

Ion	Ratio	Lower	Upper
43	100		
72	17.8	21.5	32.3#



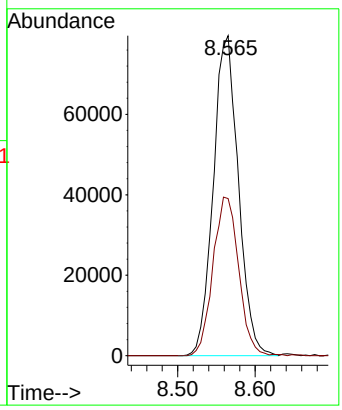


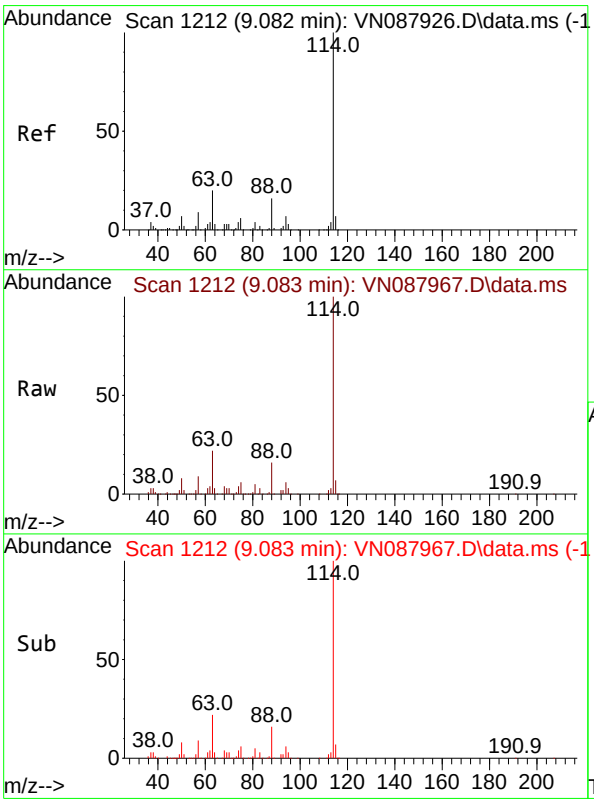
#33
1,2-Dichloroethane-d4
Concen: 59.450 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-01-G

Tgt Ion: 65 Resp: 179043

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.4

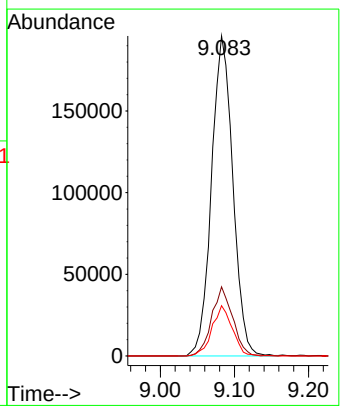


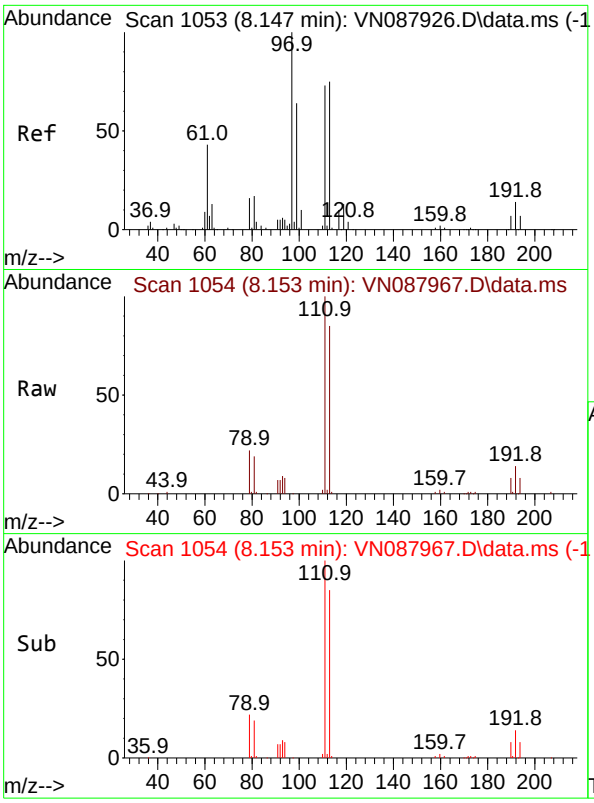


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Tgt Ion:114 Resp: 392164

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	40.0
88	15.7	0.0	31.8



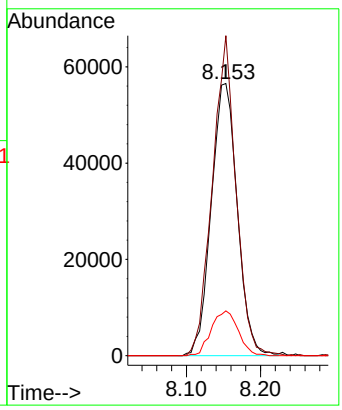


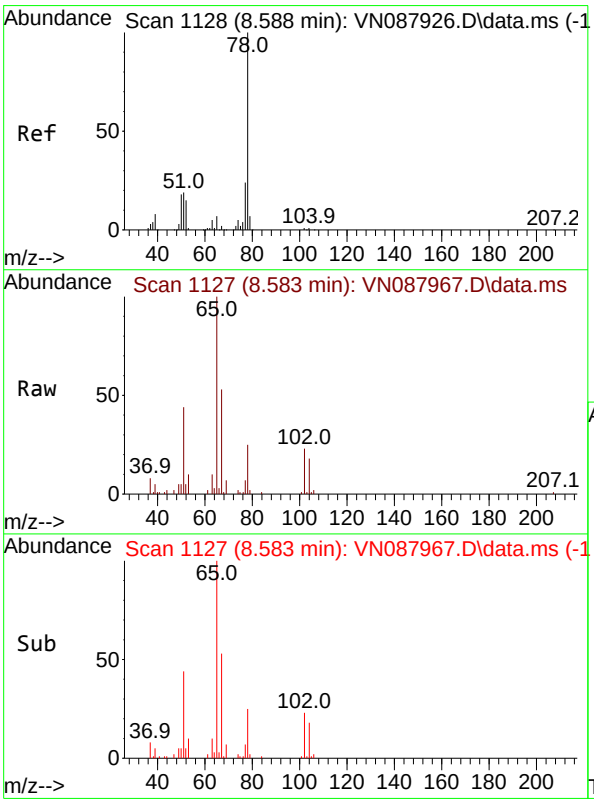
#35
Dibromofluoromethane
Concen: 48.514 ug/l
RT: 8.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-01-G

Tgt Ion:113 Resp: 138134

Ion	Ratio	Lower	Upper
113	100		
111	106.8	82.2	123.2
192	17.1	14.2	21.2

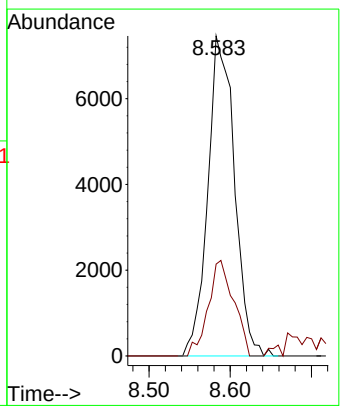


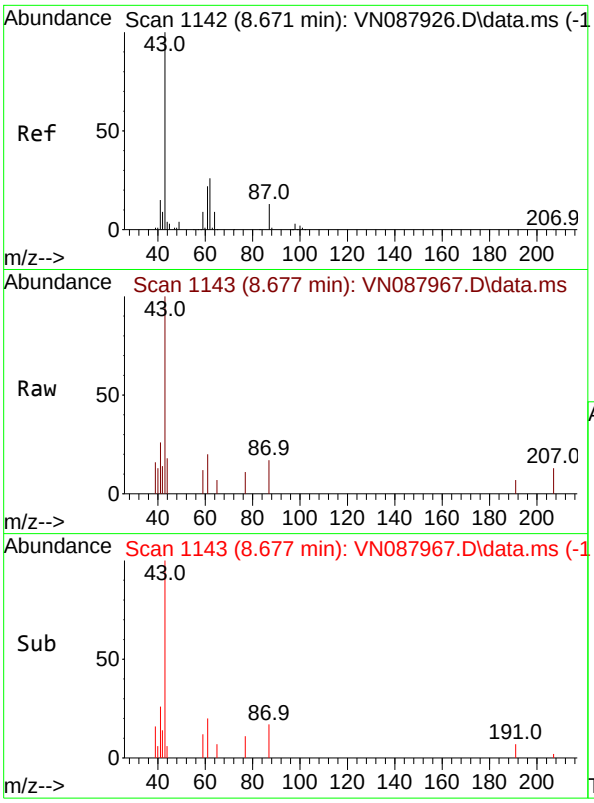


#40
Benzene
Concen: 1.502 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Tgt Ion: 78 Resp: 17022

Ion	Ratio	Lower	Upper
78	100		
77	28.7	19.0	28.6#



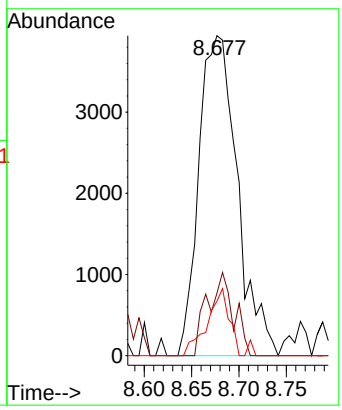


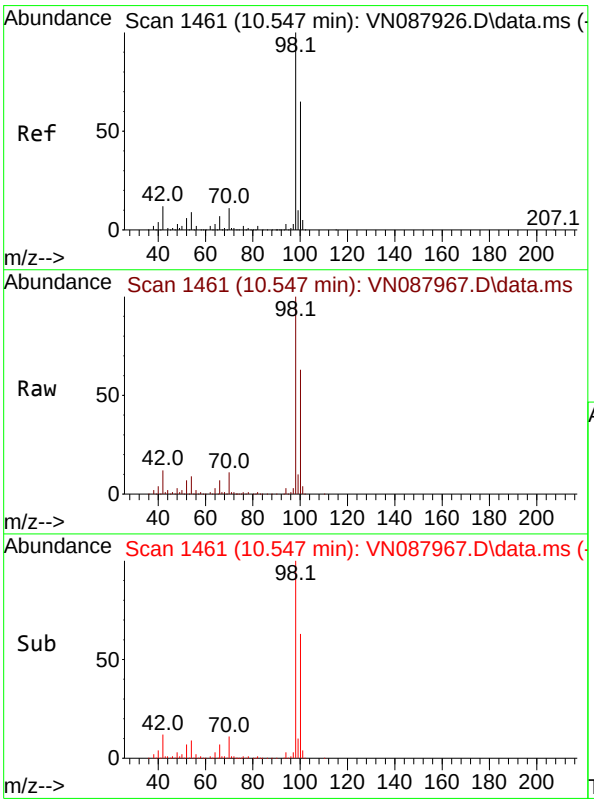
#43
Isopropyl Acetate
Concen: 1.572 ug/l
RT: 8.677 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-01-G

Tgt Ion: 43 Resp: 11126

Ion	Ratio	Lower	Upper
43	100		
61	17.7	20.2	30.2#
87	12.0	10.9	16.3

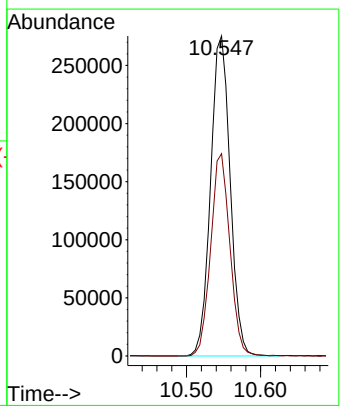


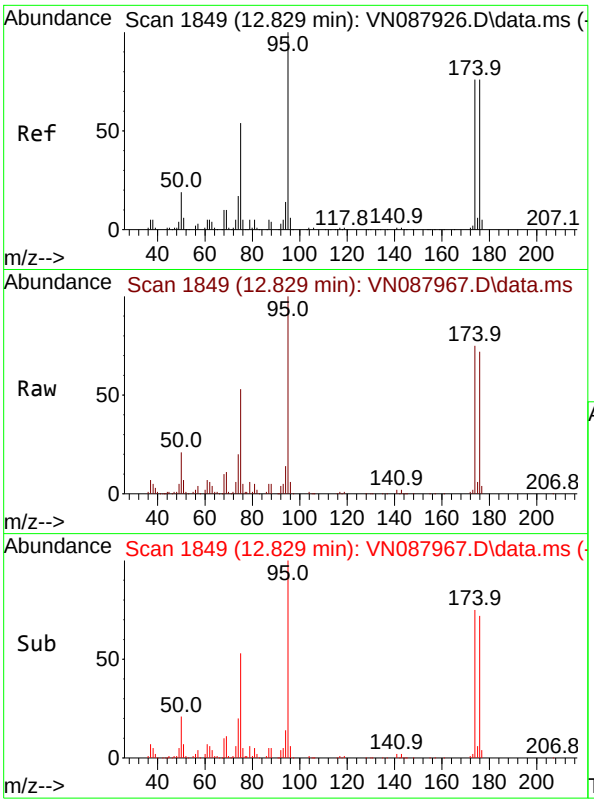


#50
Toluene-d8
Concen: 50.425 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Tgt Ion: 98 Resp: 504907

Ion	Ratio	Lower	Upper
98	100		
100	62.1	51.7	77.5



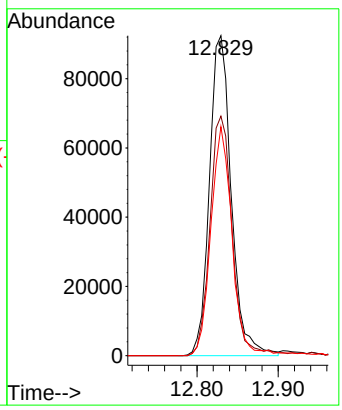


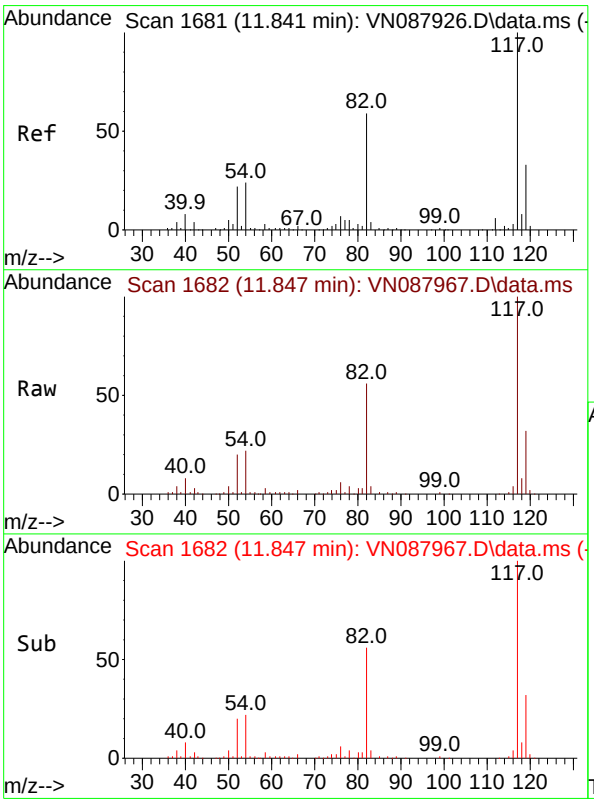
#62
4-Bromofluorobenzene
Concen: 48.322 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-01-G

Tgt Ion: 95 Resp: 172948

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	159.2
176	70.0	0.0	152.6

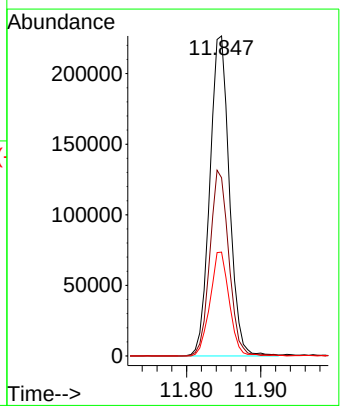


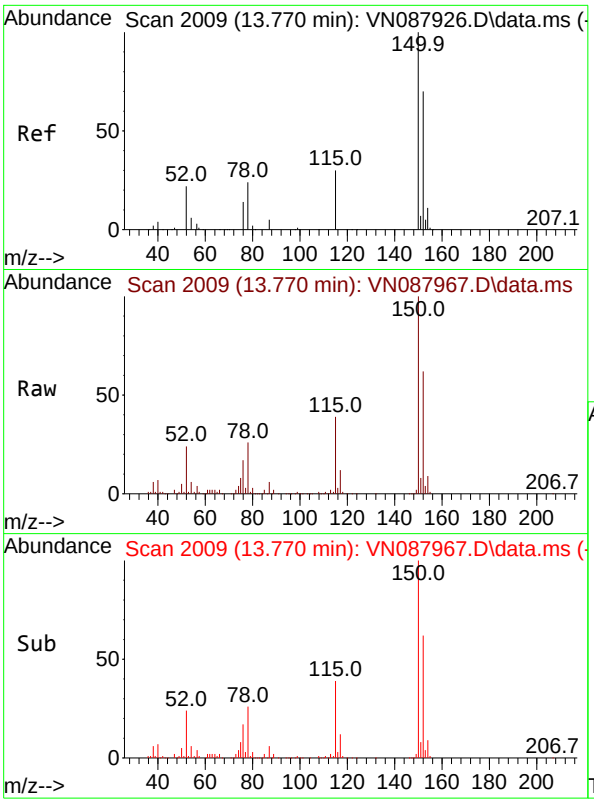


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Tgt Ion:117 Resp: 414447

Ion	Ratio	Lower	Upper
117	100		
82	55.7	47.0	70.4
119	32.4	26.1	39.1



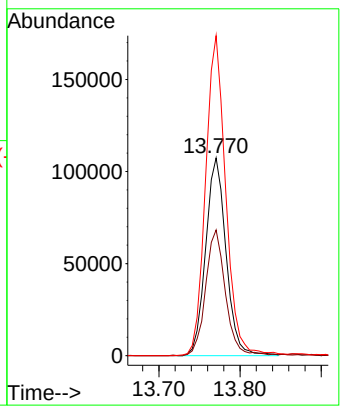


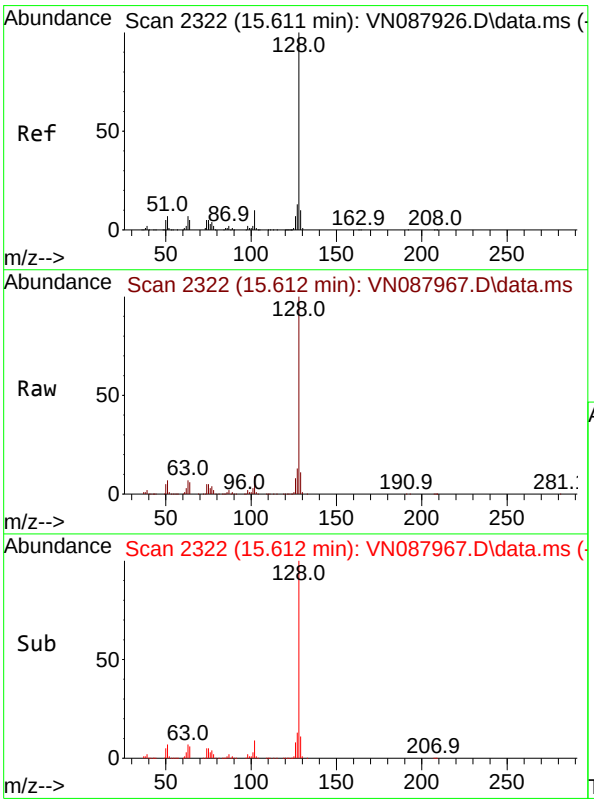
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-01-G

Tgt Ion:152 Resp: 187569

Ion	Ratio	Lower	Upper
152	100		
115	62.3	29.9	89.7
150	160.0	0.0	335.0

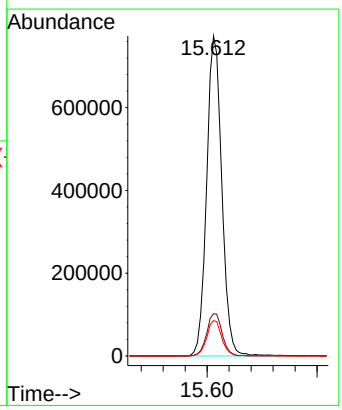




#95
Naphthalene
Concen: 134.130 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087967.D
Acq: 26 Sep 2025 15:27

Tgt Ion:128 Resp: 1479024

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.4
129	11.0	8.6	13.0



Raw Data: **VN087968.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-02-G	SDG No.:	Q3181
Lab Sample ID:	Q3181-05	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
VN087968.D	1	09/26/25 15:49	VN092625

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	0.00098	U	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	0.0010	J	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	55.4		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	48.0		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	8.206			
540-36-3	1,4-Difluorobenzene	409000	9.082			
3114-55-4	Chlorobenzene-d5	411000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	193000	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\VN092625\
Data File : VN087968.D
Acq On : 26 Sep 2025 15:49
Operator : JC\MD
Sample : Q3181-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-02-G

Quant Time: Sep 27 01:27:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	183424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	408536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	411042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	193008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	171121	55.435	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.860%			
35) Dibromofluoromethane	8.153	113	142787	48.138	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.280%			
50) Toluene-d8	10.547	98	500395	47.972	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.940%			
62) 4-Bromofluorobenzene	12.829	95	166926	44.770	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.540%			
Target Compounds						Qvalue
16) Acetone	4.424	43	90660	71.381	ug/l	99
20) Methylene Chloride	5.265	84	15840	6.162	ug/l #	96
40) Benzene	8.582	78	12191	1.032	ug/l #	90
95) Naphthalene	15.611	128	1207154	106.389	ug/l	99

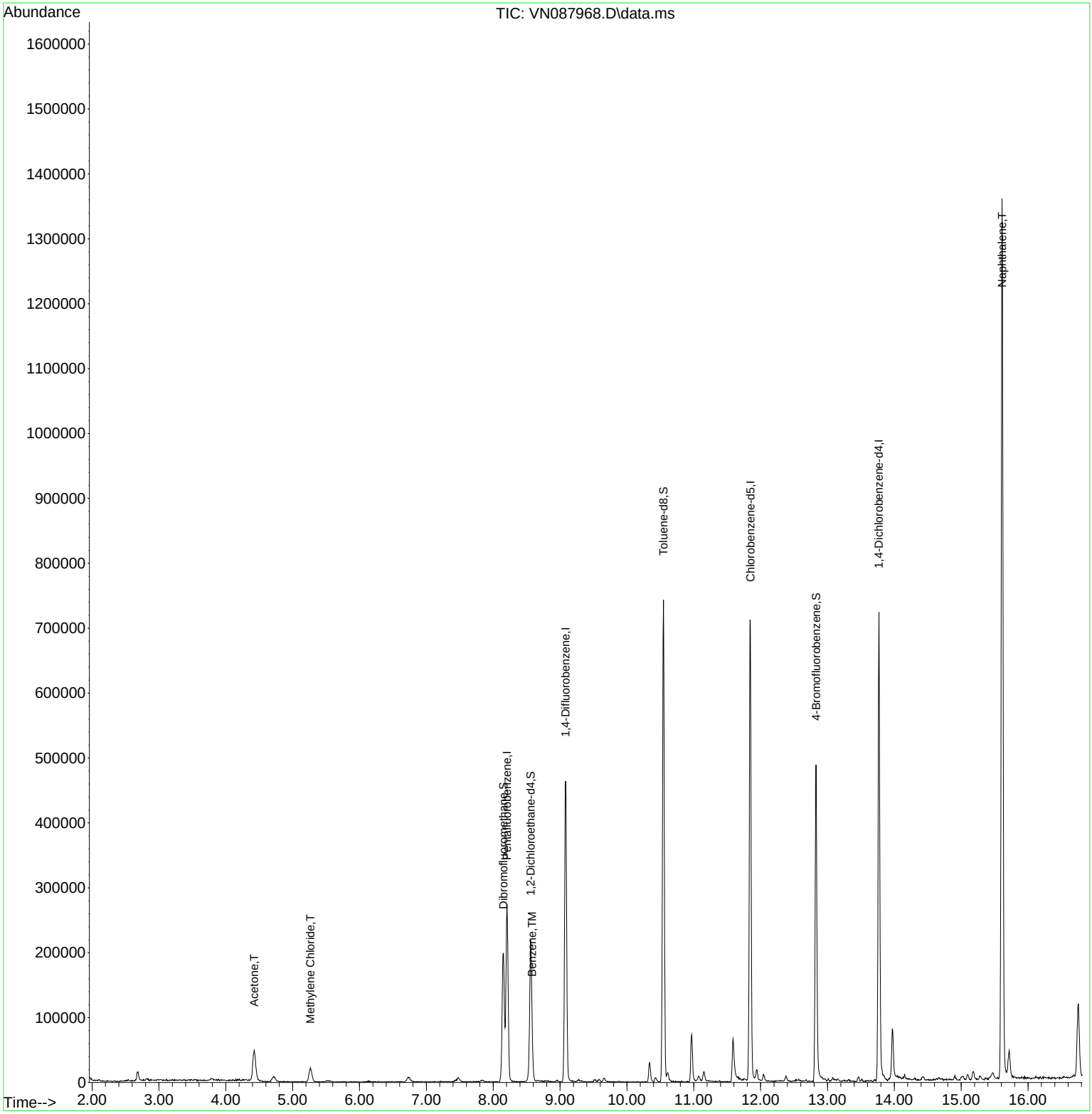
(#) = qualifier out of range (m) = manual integration (+) = signals summed

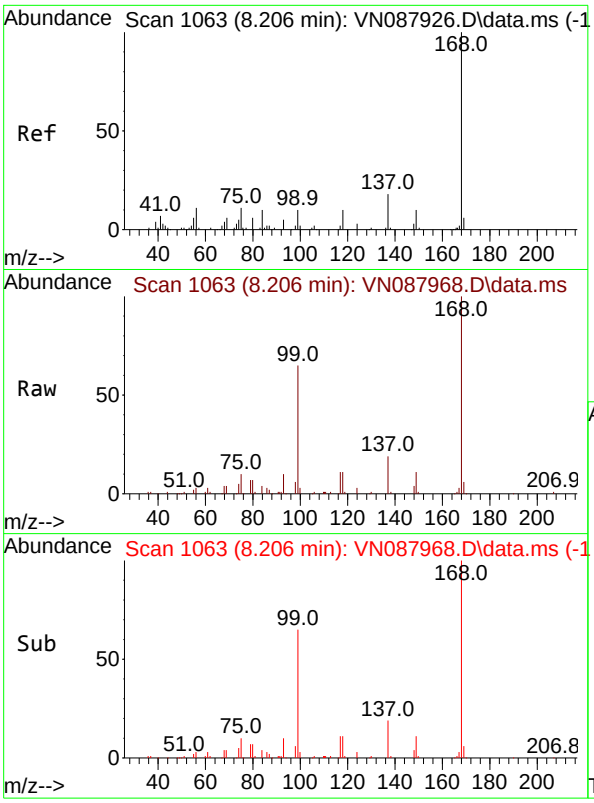
Sample Results: **VN087968.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087968.D
Acq On : 26 Sep 2025 15:49
Operator : JC\MD
Sample : Q3181-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-02-G

Quant Time: Sep 27 01:27:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



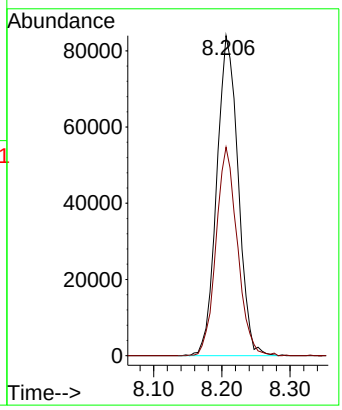


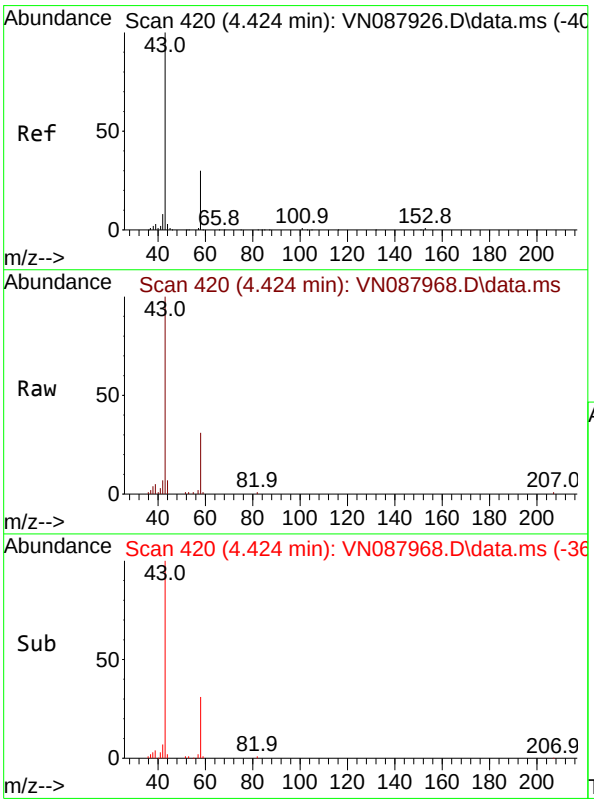
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-02-G

Tgt Ion:168 Resp: 183424

Ion	Ratio	Lower	Upper
168	100		
99	65.2	52.2	78.2

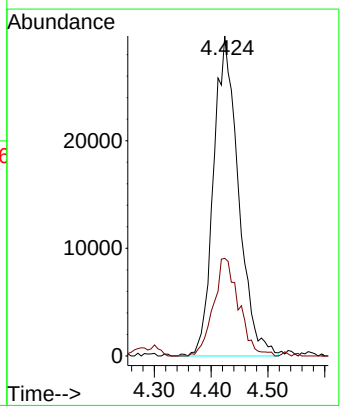


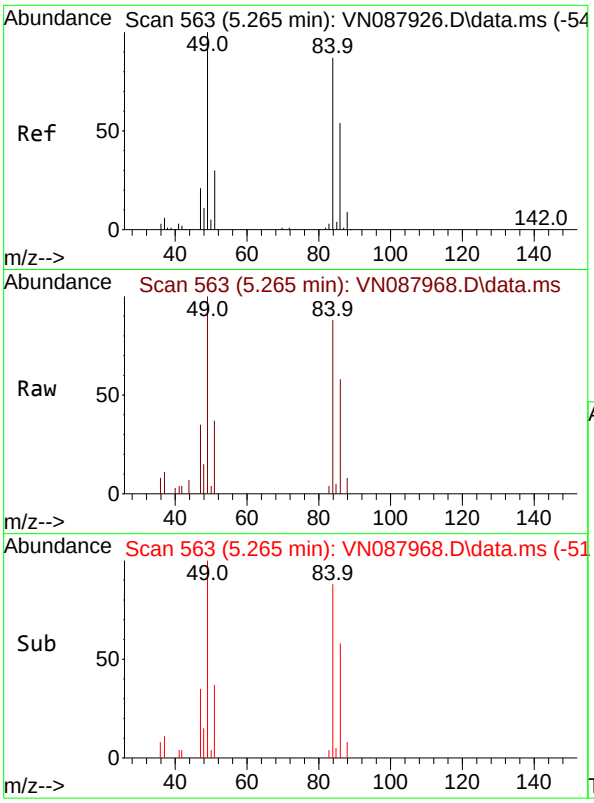


#16
Acetone
Concen: 71.381 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Tgt Ion: 43 Resp: 90660

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.1	36.1



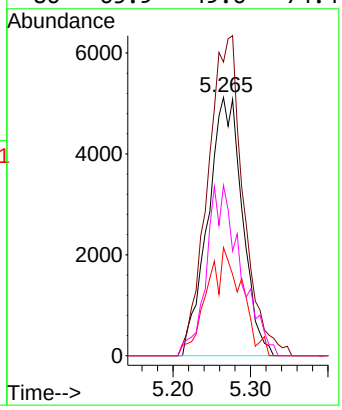


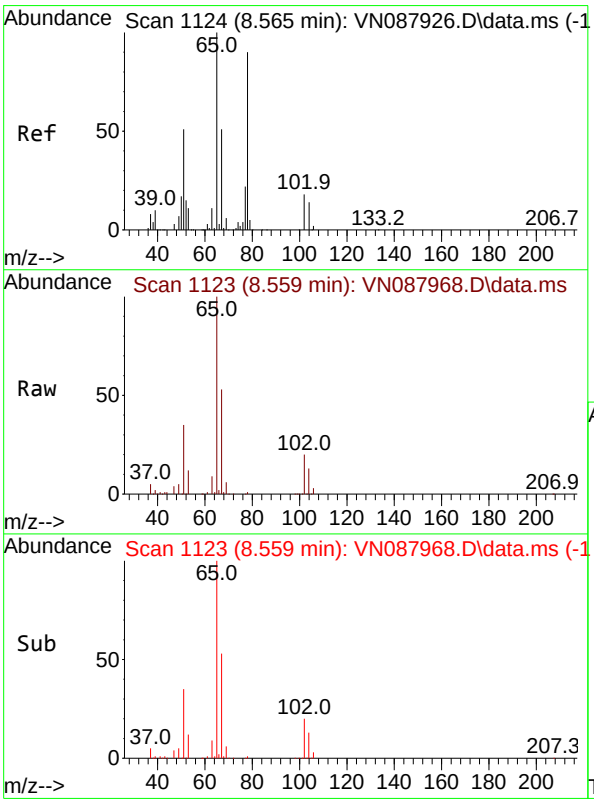
#20
Methylene Chloride
Concen: 6.162 ug/l
RT: 5.265 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-02-G

Tgt Ion: 84 Resp: 15840

Ion	Ratio	Lower	Upper
84	100		
49	113.7	92.1	138.1
51	41.9	27.7	41.5#
86	65.9	49.6	74.4

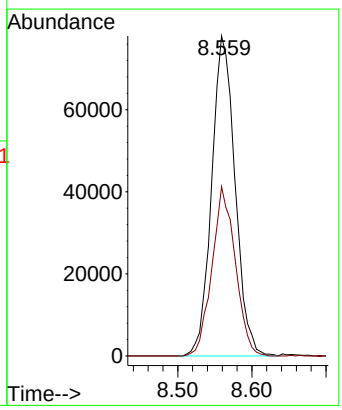


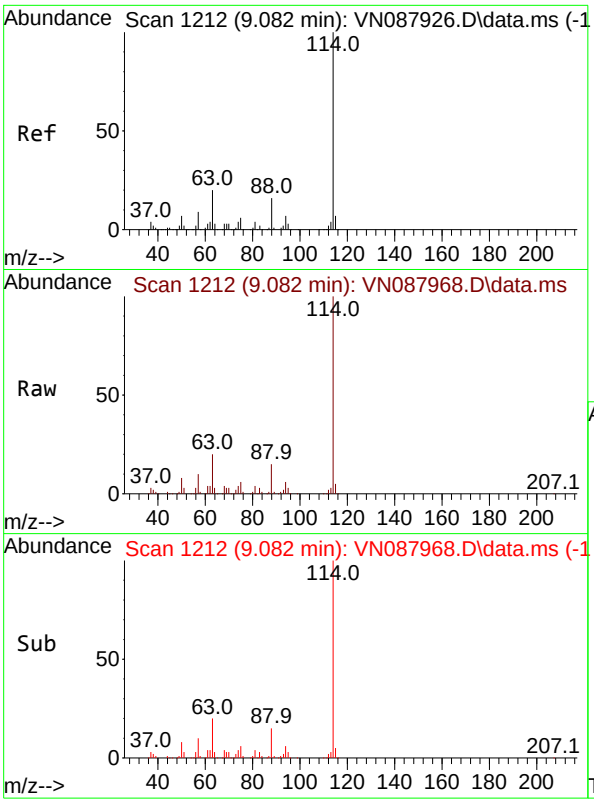


#33
1,2-Dichloroethane-d4
Concen: 55.435 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Tgt Ion: 65 Resp: 171121

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	103.4



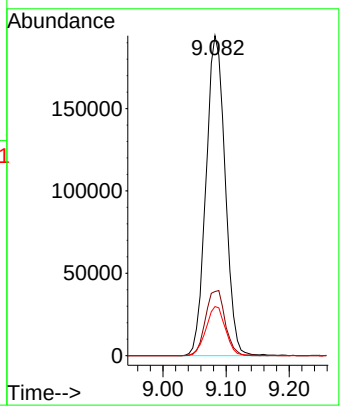


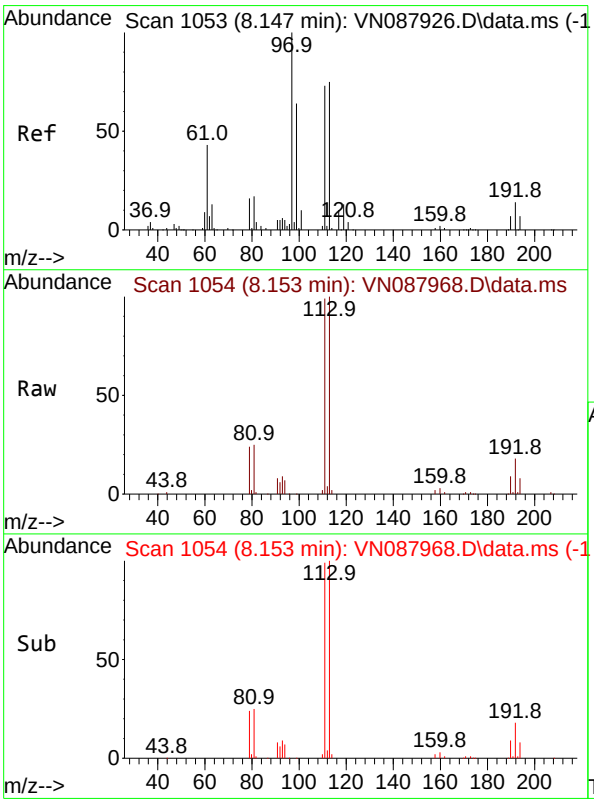
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-02-G

Tgt Ion:114 Resp: 408536

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	15.3	0.0	31.8

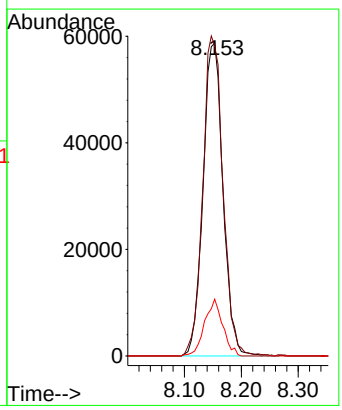


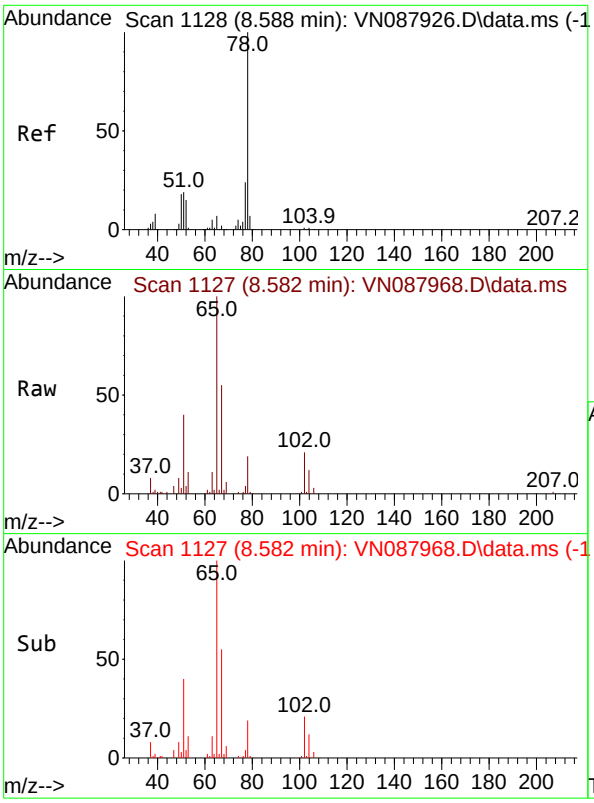


#35
Dibromofluoromethane
Concen: 48.138 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Tgt Ion:113 Resp: 142787

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.2
192	16.6	14.2	21.2



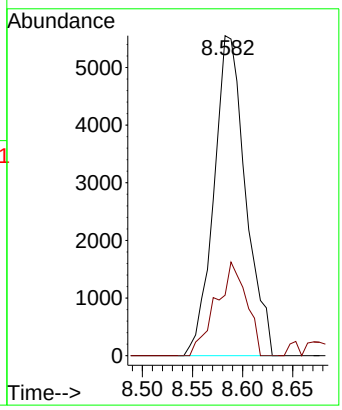


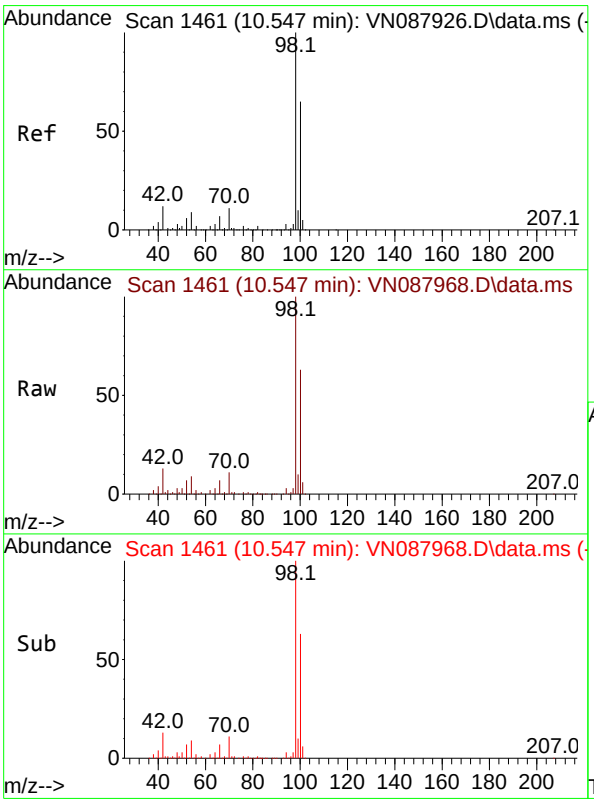
#40
Benzene
Concen: 1.032 ug/l
RT: 8.582 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-02-G

Tgt Ion: 78 Resp: 12191

Ion	Ratio	Lower	Upper
78	100		
77	18.9	19.0	28.6#

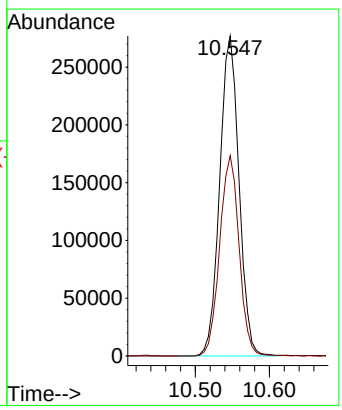


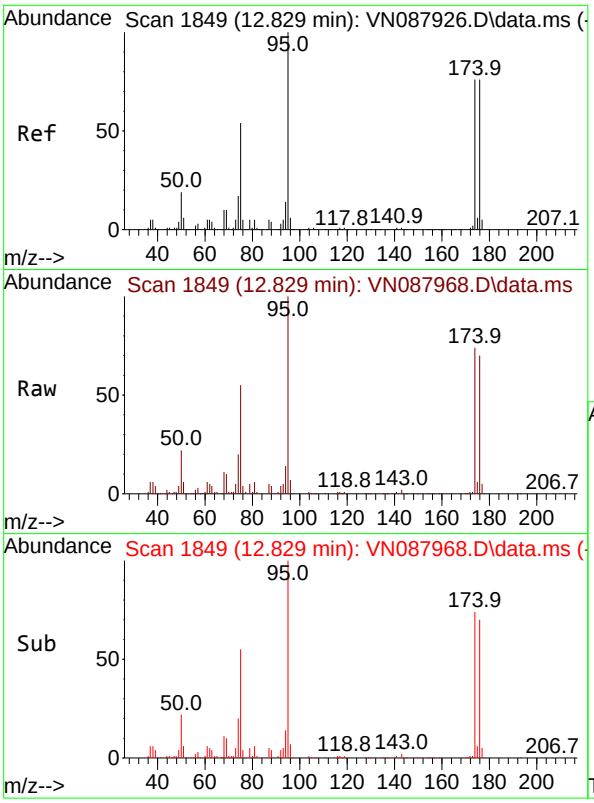


#50
Toluene-d8
Concen: 47.972 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Tgt Ion: 98 Resp: 500395

Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.7	77.5



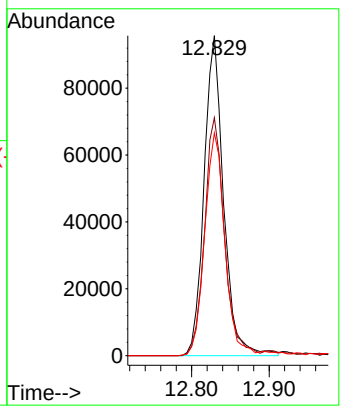


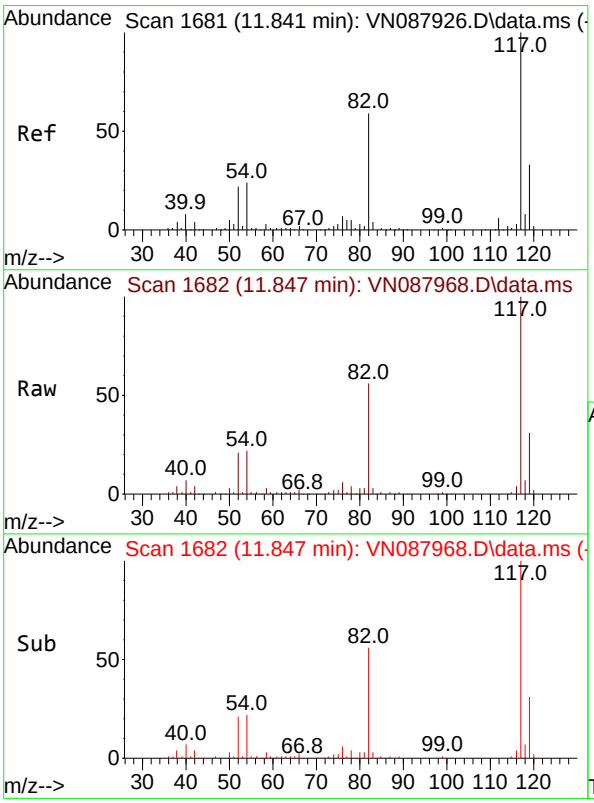
#62
4-Bromofluorobenzene
Concen: 44.770 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-02-G

Tgt Ion: 95 Resp: 166926

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	159.2
176	71.9	0.0	152.6

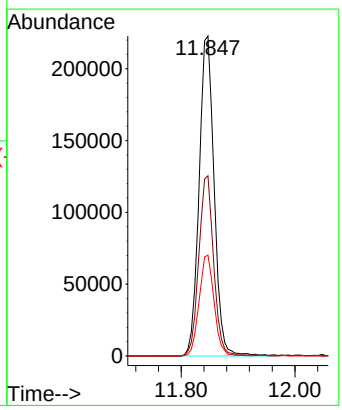


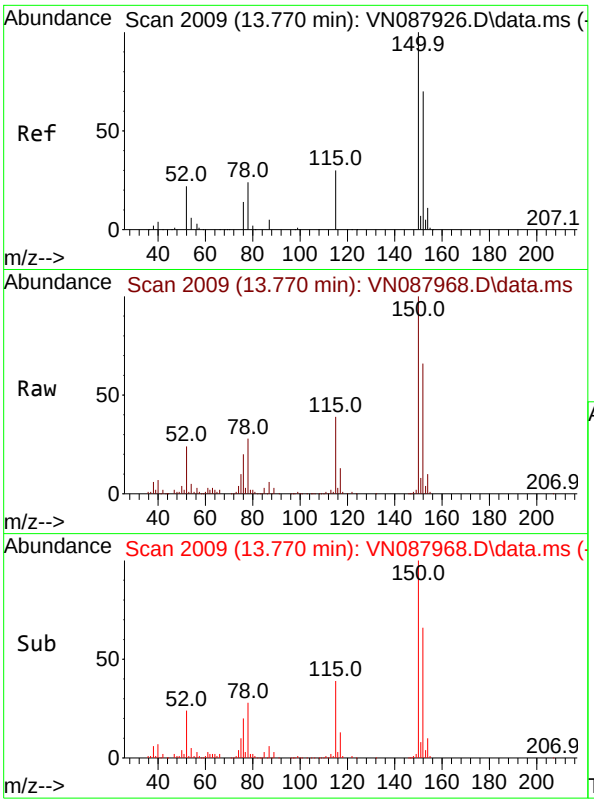


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Tgt Ion:117 Resp: 411042

Ion	Ratio	Lower	Upper
117	100		
82	56.3	47.0	70.4
119	31.5	26.1	39.1



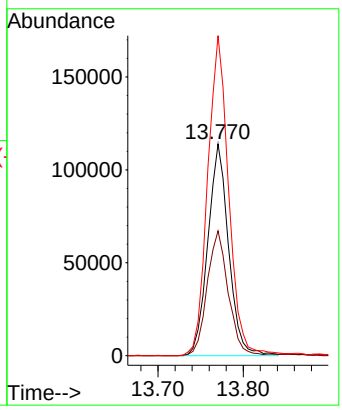


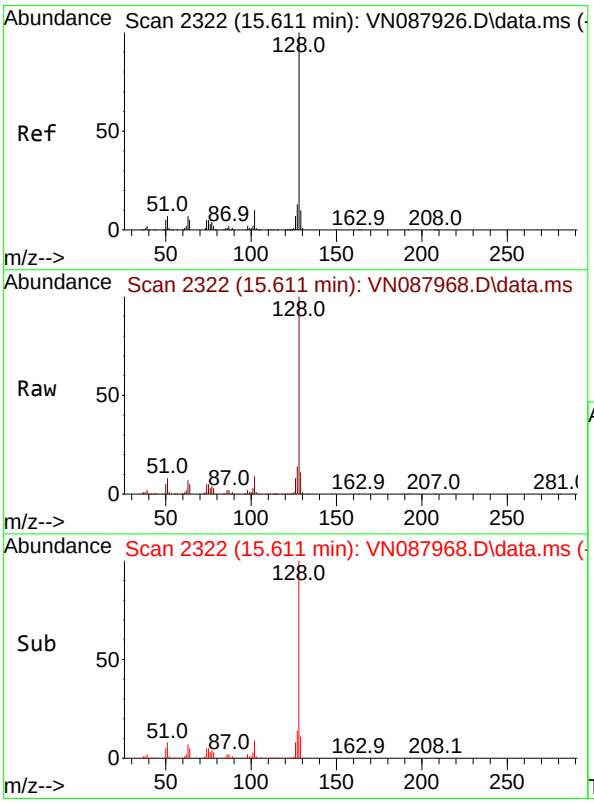
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-02-G

Tgt Ion:152 Resp: 193008

Ion	Ratio	Lower	Upper
152	100		
115	60.8	29.9	89.7
150	152.9	0.0	335.0

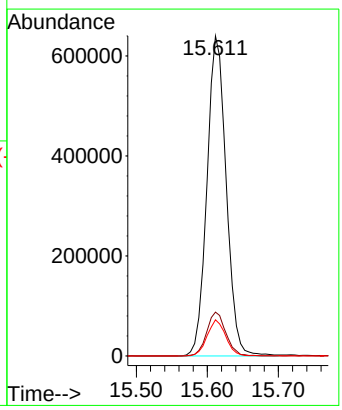




#95
Naphthalene
Concen: 106.389 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN087968.D
Acq: 26 Sep 2025 15:49

Tgt Ion:128 Resp: 1207154

Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.2	15.4
129	10.9	8.6	13.0



Raw Data: **VN087969.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	09/24/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	09/24/25
Client Sample ID:	WC-A3-03-G	SDG No.:	Q3181
Lab Sample ID:	Q3181-09	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
VN087969.D	1	09/26/25 16:10	VN092625

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	0.00098	U	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	0.0013	J	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	57.3		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	47.8		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	184000	8.206			
540-36-3	1,4-Difluorobenzene	412000	9.083			
3114-55-4	Chlorobenzene-d5	422000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	197000	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\VN092625\
Data File : VN087969.D
Acq On : 26 Sep 2025 16:10
Operator : JC\MD
Sample : Q3181-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

Quant Time: Sep 27 01:27:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

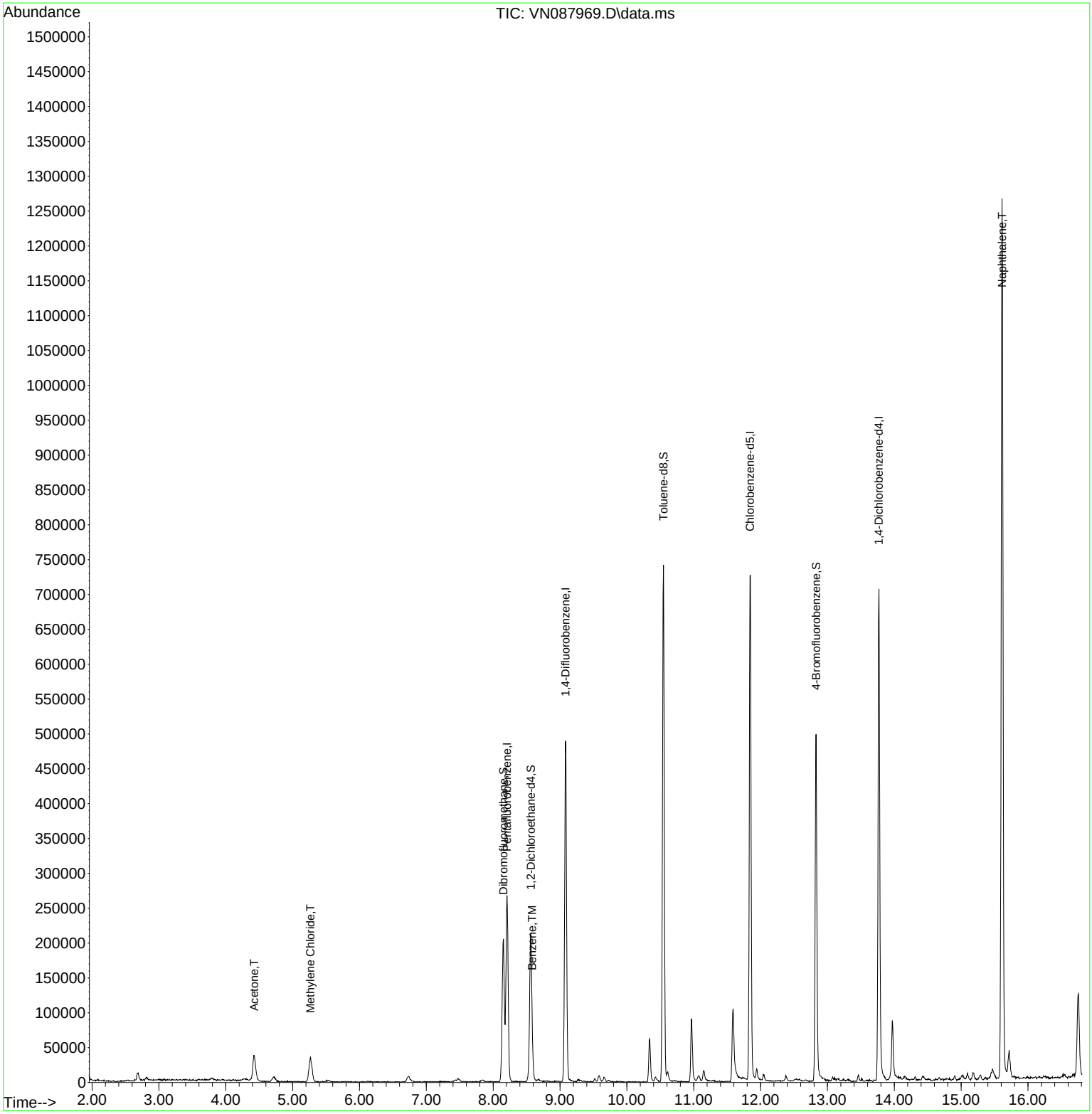
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	184198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	412130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	421613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	196969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	177476	57.252	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.500%			
35) Dibromofluoromethane	8.153	113	144402	48.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.520%			
50) Toluene-d8	10.547	98	502673	47.770	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.540%			
62) 4-Bromofluorobenzene	12.829	95	170088	45.220	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.440%			
Target Compounds						Qvalue
16) Acetone	4.424	43	69281	54.319	ug/l	94
20) Methylene Chloride	5.265	84	27314	10.580	ug/l	94
40) Benzene	8.583	78	15182	1.274	ug/l	96
95) Naphthalene	15.612	128	1140310	98.477	ug/l	99

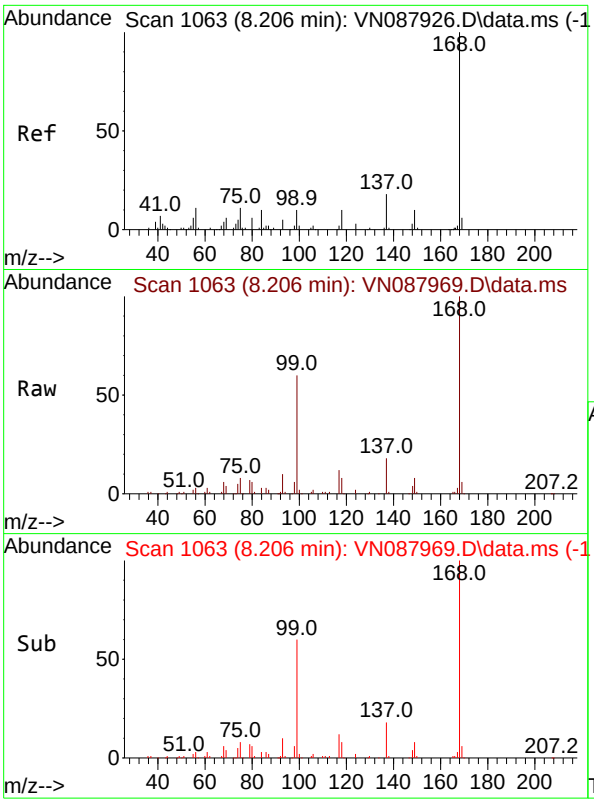
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087969.D
Acq On : 26 Sep 2025 16:10
Operator : JC\MD
Sample : Q3181-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

Quant Time: Sep 27 01:27:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



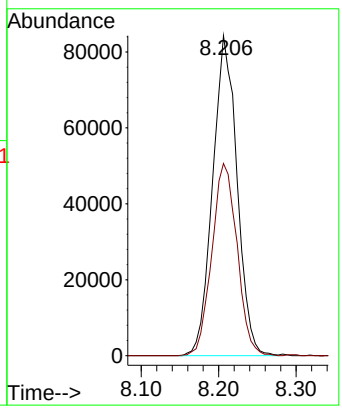


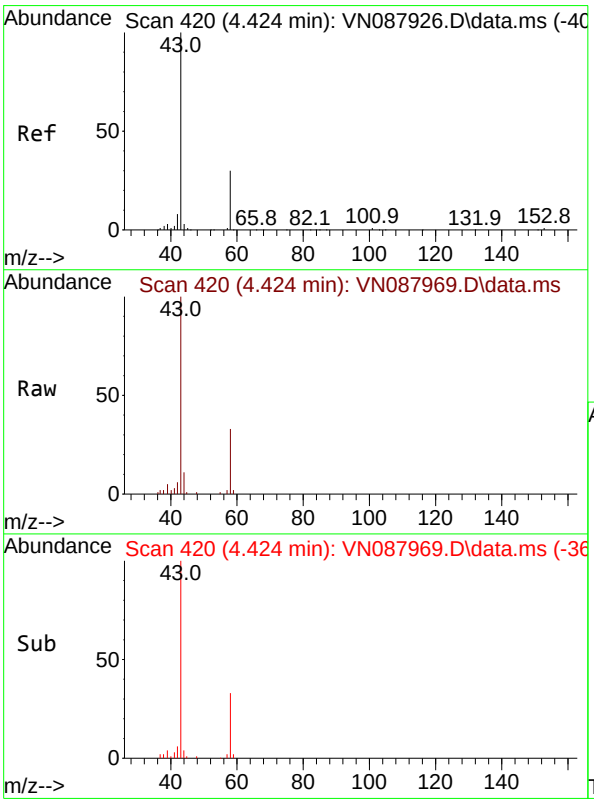
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

Tgt Ion:168 Resp: 184198

Ion	Ratio	Lower	Upper
168	100		
99	60.1	52.2	78.2

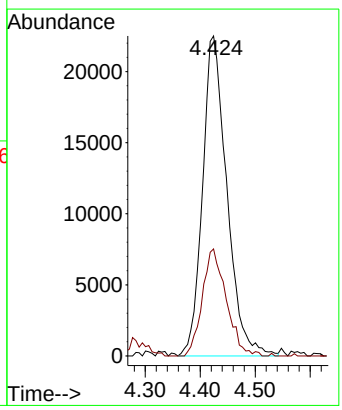


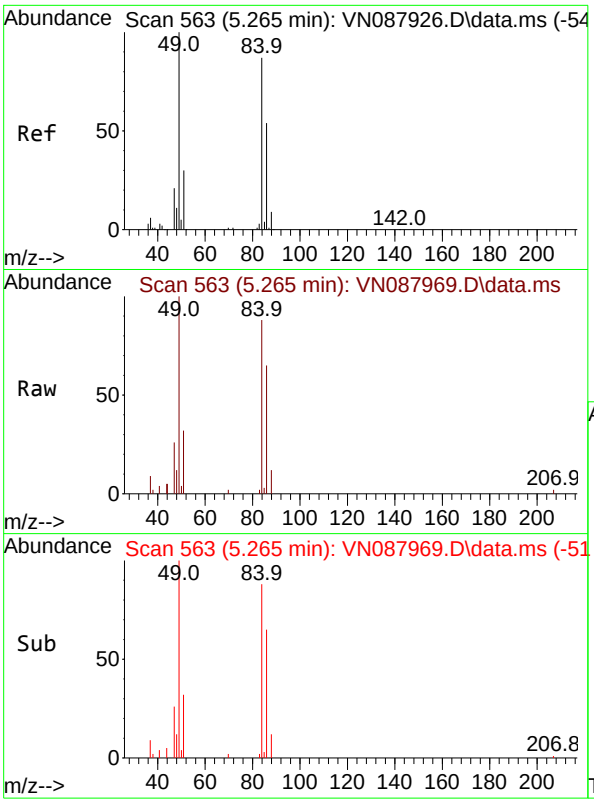


#16
Acetone
Concen: 54.319 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion: 43 Resp: 69281

Ion	Ratio	Lower	Upper
43	100		
58	33.5	24.1	36.1



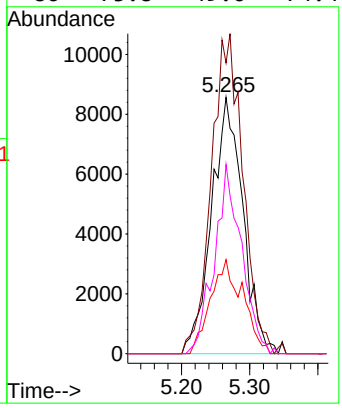


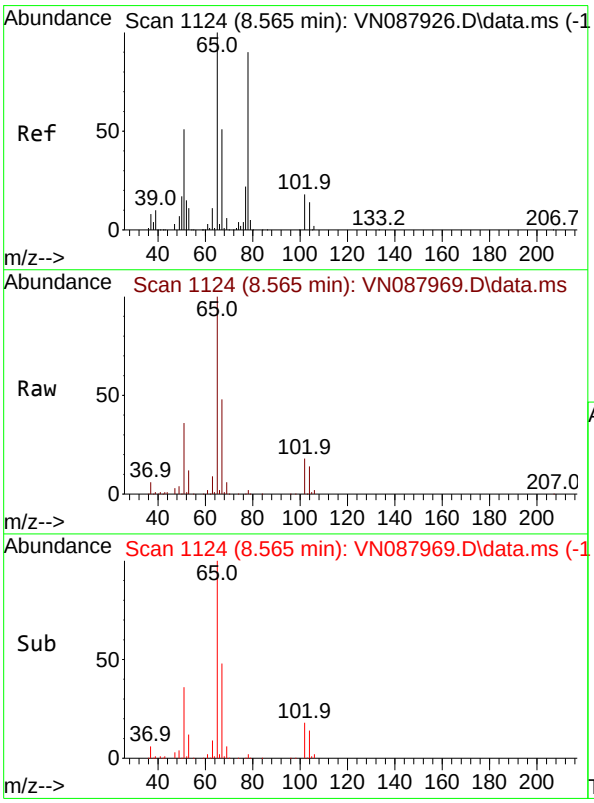
#20
Methylene Chloride
Concen: 10.580 ug/l
RT: 5.265 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

Tgt Ion: 84 Resp: 27314

Ion	Ratio	Lower	Upper
84	100		
49	113.4	92.1	138.1
51	36.7	27.7	41.5
86	73.8	49.6	74.4

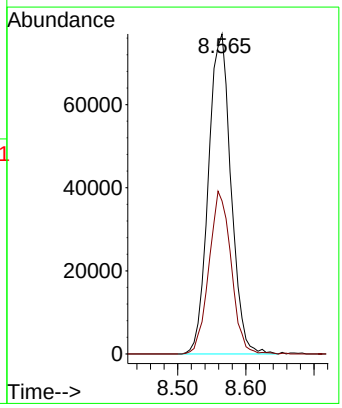


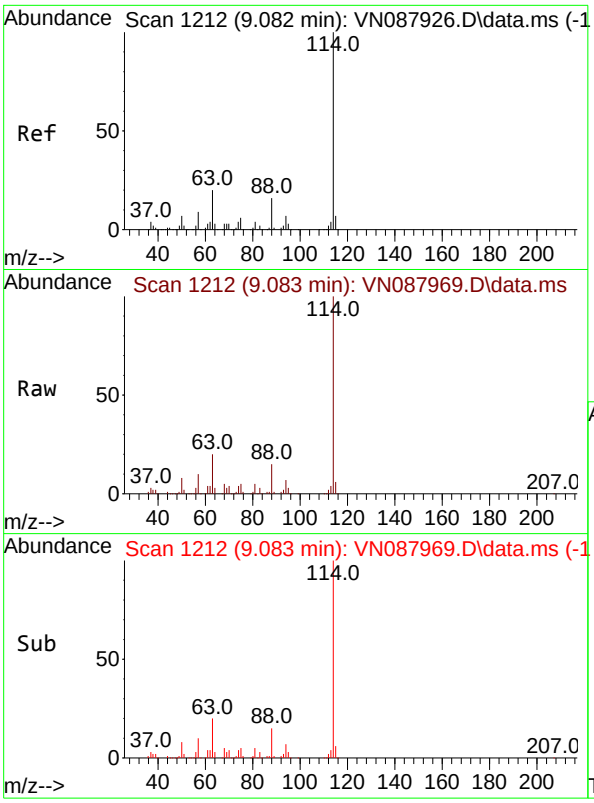


#33
1,2-Dichloroethane-d4
Concen: 57.252 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion: 65 Resp: 177476

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	103.4



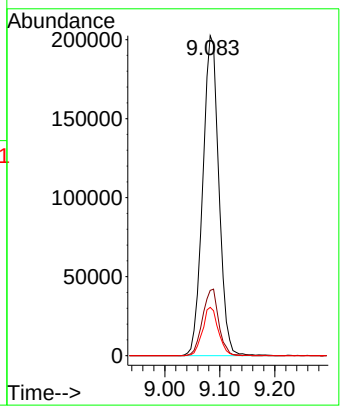


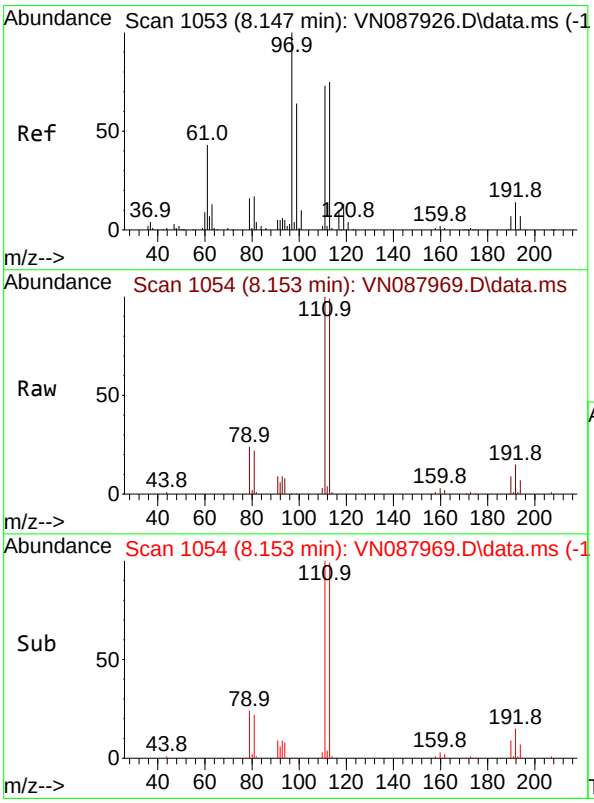
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

Tgt Ion:114 Resp: 412130

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.0
88	15.1	0.0	31.8

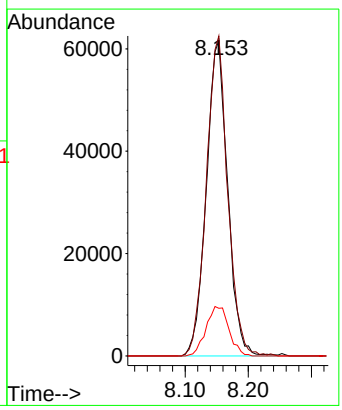


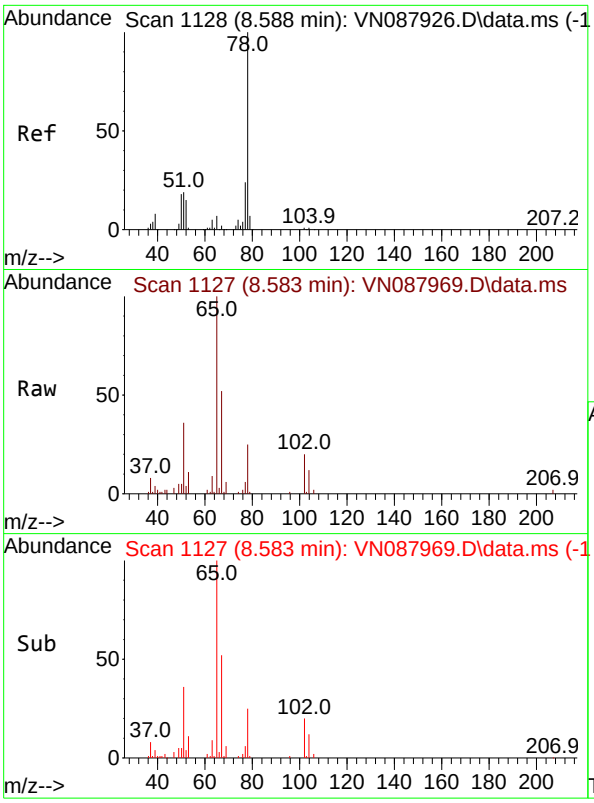


#35
Dibromofluoromethane
Concen: 48.258 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion:113 Resp: 144402

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.2	123.2
192	16.8	14.2	21.2



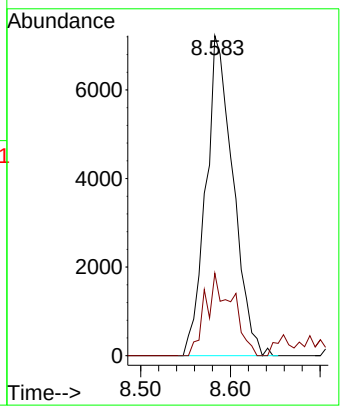


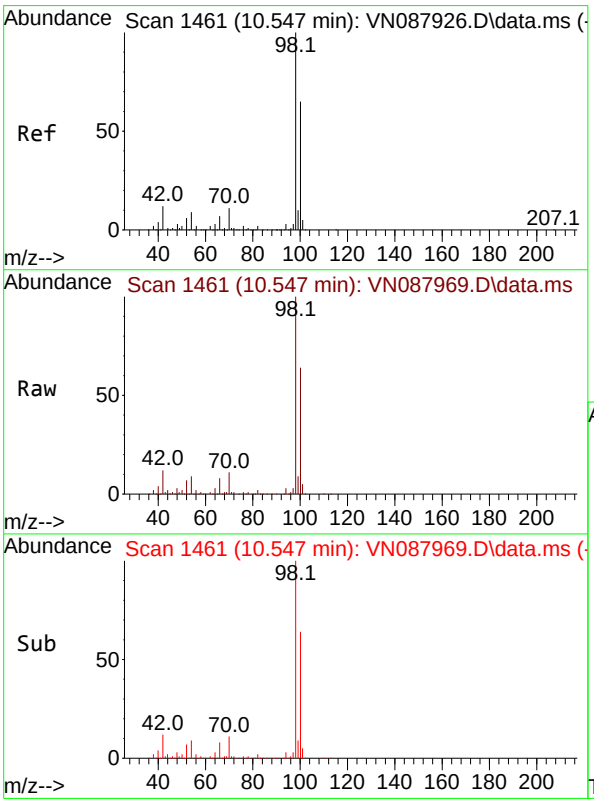
#40
Benzene
Concen: 1.274 ug/l
RT: 8.583 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

Tgt Ion: 78 Resp: 15182

Ion	Ratio	Lower	Upper
78	100		
77	25.8	19.0	28.6

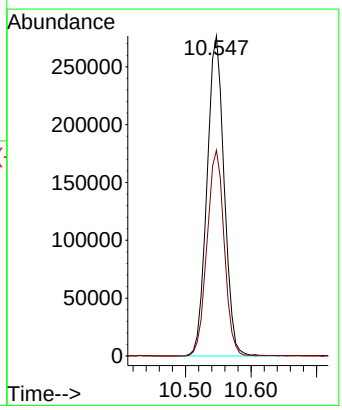


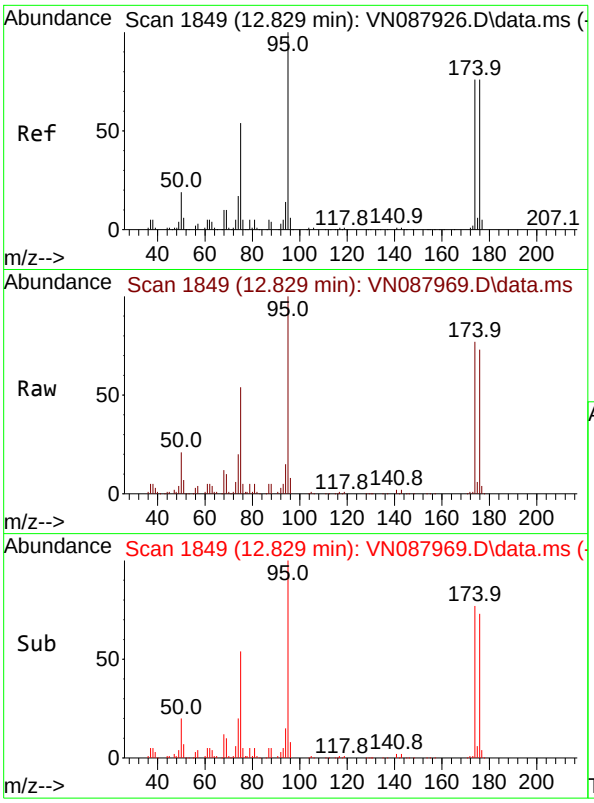


#50
Toluene-d8
Concen: 47.770 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion: 98 Resp: 502673

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.7	77.5



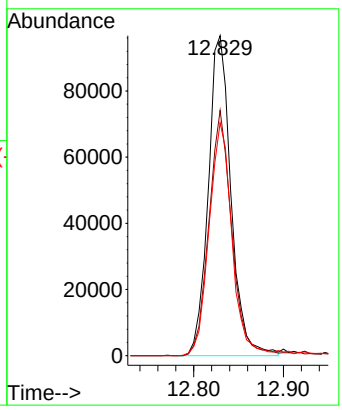


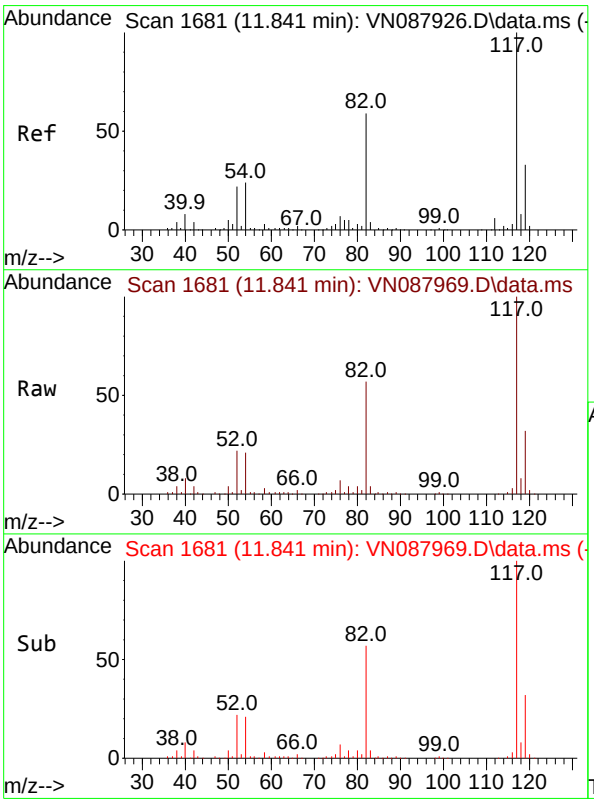
#62
4-Bromofluorobenzene
Concen: 45.220 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

Tgt Ion: 95 Resp: 170088

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	159.2
176	72.9	0.0	152.6

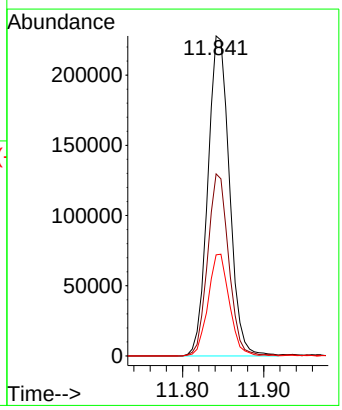


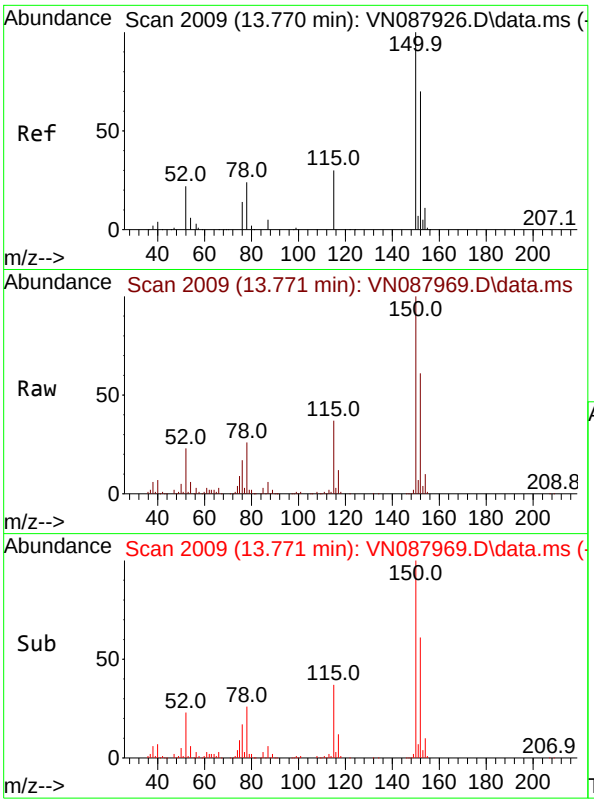


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion:117 Resp: 421613

Ion	Ratio	Lower	Upper
117	100		
82	56.9	47.0	70.4
119	31.6	26.1	39.1



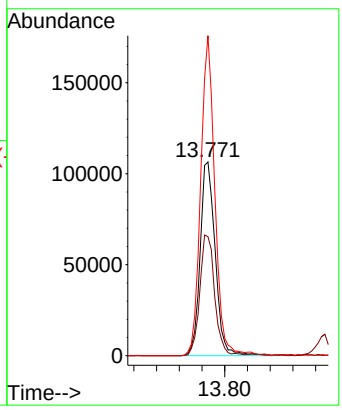


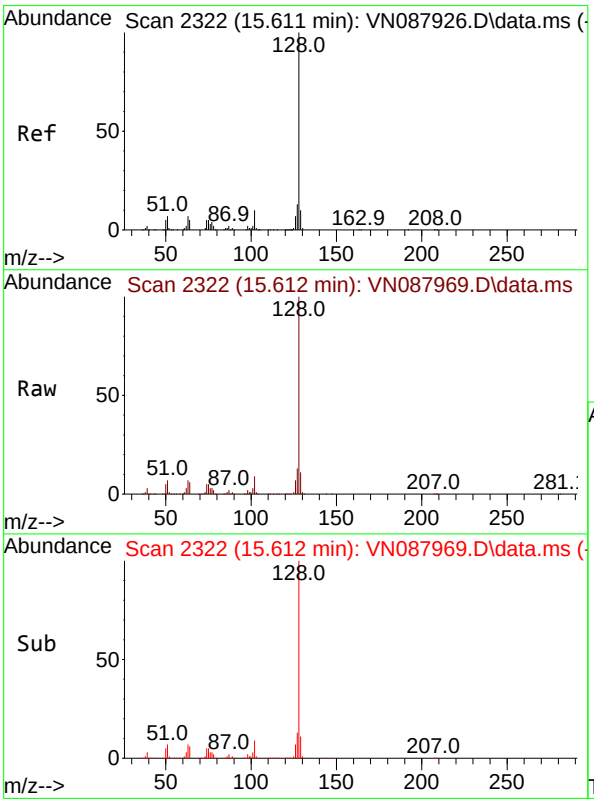
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Instrument :
MSVOA_N
ClientSampleId :
WC-A3-03-G

Tgt Ion:152 Resp: 196969

Ion	Ratio	Lower	Upper
152	100		
115	61.2	29.9	89.7
150	154.6	0.0	335.0

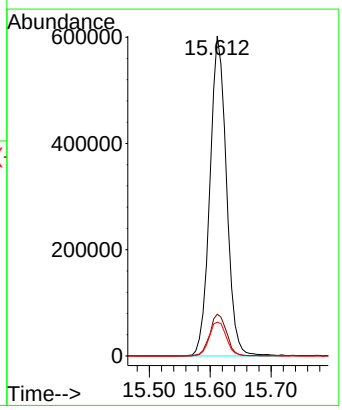




#95
Naphthalene
Concen: 98.477 ug/l
RT: 15.612 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087969.D
Acq: 26 Sep 2025 16:10

Tgt Ion:128 Resp: 1140310

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.6	13.0



CALIBRATION SUMMARY

Raw Data

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.: Q3181

Instrument ID: MSVOA_N Calibration Date(s): 09/23/2025 09/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:33 11:47

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

LAB FILE ID: RRF005 = VN087924.D RRF050 = VN087926.D RRF100 = VN087927.D
RRF150 = VN087928.D RRF020 = VN087930.D RRF =

COMPOUND	RRF005	RRF050	RRF100	RRF150	RRF020	RRF	$\overline{RRF}$	% RSD
Vinyl Chloride	0.656	0.553	0.516	0.613	0.686		0.605	11.7
1,1-Dichloroethene	0.591	0.470	0.448	0.539	0.579		0.525	12.2
2-Butanone	0.557	0.479	0.453	0.554	0.602		0.529	11.6
Carbon Tetrachloride	0.524	0.461	0.432	0.542	0.545		0.501	10.3
Chloroform	1.419	1.145	1.075	1.313	1.424		1.275	12.5
Benzene	1.507	1.353	1.258	1.540	1.569		1.445	9.3
1,2-Dichloroethane	0.572	0.484	0.467	0.565	0.609		0.539	11.3
Trichloroethene	0.367	0.315	0.304	0.367	0.374		0.345	9.6
Tetrachloroethene	0.308	0.279	0.264	0.328	0.345		0.305	11
Chlorobenzene	1.057	0.951	0.940	1.153	1.218		1.064	11.5
1,2-Dichloroethane-d4	0.852	0.872	0.901	0.877	0.705		0.841	9.3
Dibromofluoromethane	0.376	0.372	0.385	0.376	0.305		0.363	9
Toluene-d8	1.189	1.352	1.429	1.387	1.026		1.277	13.1
4-Bromofluorobenzene	0.432	0.476	0.511	0.496	0.367		0.456	12.8

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N092325W.M
Title : SW846 8260
Last Update : Wed Sep 24 05:05:30 2025
Response Via : Initial Calibration

Calibration Files
5 =VN087924.D 20 =VN087930.D 50 =VN087926.D 100 =VN087927.D 150 =VN087928.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------						
2)	T	Dichlorodifluoro...	0.590	0.662	0.526	0.505	0.612	0.579	11.05
3)	P	Chloromethane	0.662	0.672	0.532	0.497	0.602	0.593	13.10
4)	C	Vinyl Chloride	0.656	0.686	0.553	0.516	0.613	0.605	11.66#
5)	T	Bromomethane	0.388	0.422	0.320	0.331	0.415	0.375	12.64
6)	T	Chloroethane	0.442	0.425	0.355	0.337	0.407	0.393	11.53
7)	T	Trichlorofluorom...	1.169	1.068	0.883	0.816	0.987	0.985	14.32
8)	T	Diethyl Ether	0.400	0.419	0.339	0.315	0.387	0.372	11.73
9)	T	1,1,2-Trichlorot...	0.597	0.563	0.475	0.439	0.528	0.521	12.30
10)	T	Methyl Iodide	0.335	0.474	0.462	0.478	0.593	0.468	19.57
11)	T	Tert butyl alcohol	0.125	0.139	0.108	0.105	0.129	0.121	12.18
12)	CM	1,1-Dichloroethene	0.591	0.579	0.470	0.448	0.539	0.525	12.18#
13)	T	Acrolein	0.170	0.148	0.120	0.165	0.174	0.156	14.22
14)	T	Allyl chloride	0.898	0.941	0.760	0.750	0.926	0.855	10.82
15)	T	Acrylonitrile	0.395	0.430	0.348	0.328	0.400	0.380	10.86
16)	T	Acetone	0.417	0.417	0.298	0.274	0.326	0.346	19.36
17)	T	Carbon Disulfide	1.788	1.862	1.485	1.399	1.672	1.641	11.96
18)	T	Methyl Acetate	0.822	0.997	0.813	0.767	0.934	0.866	11.00
19)	T	Methyl tert-buty...	2.047	2.237	1.907	1.811	2.256	2.052	9.60
20)	T	Methylene Chloride	0.871	0.761	0.621	0.571	0.680	0.701	16.92
21)	T	trans-1,2-Dichlo...	0.758	0.695	0.570	0.542	0.654	0.644	13.79
22)	T	Diisopropyl ether	2.040	2.153	1.826	1.763	2.199	1.996	9.75
23)	T	Vinyl Acetate	1.585	1.884	1.566	1.502	1.867	1.681	10.75
24)	P	1,1-Dichloroethane	1.315	1.268	1.057	0.984	1.206	1.166	12.08
25)	T	2-Butanone	0.557	0.602	0.479	0.453	0.554	0.529	11.56
26)	T	2,2-Dichloropropane	1.136	1.175	0.932	0.868	1.069	1.036	12.71
27)	T	cis-1,2-Dichloro...	0.852	0.829	0.690	0.656	0.804	0.766	11.45
28)	T	Bromochloromethane	0.667	0.671	0.662	0.598	0.570	0.634	7.35
29)	T	Tetrahydrofuran	0.335	0.379	0.311	0.298	0.371	0.339	10.57
30)	C	Chloroform	1.419	1.424	1.145	1.075	1.313	1.275	12.49#
31)	T	Cyclohexane	1.163	1.020	0.827	0.758	0.951	0.944	16.90
32)	T	1,1,1-Trichloroe...	1.190	1.197	0.958	0.908	1.133	1.077	12.54
33)	S	1,2-Dichloroetha...	0.852	0.705	0.872	0.901	0.877	0.841	9.28
34)	I	1,4-Difluorobenzene	----------ISTD----------						
35)	S	Dibromofluoromet...	0.376	0.305	0.372	0.385	0.376	0.363	8.96
36)	T	1,1-Dichloropropene	0.435	0.472	0.408	0.390	0.478	0.437	8.78
37)	T	Ethyl Acetate	0.602	0.605	0.536	0.503	0.621	0.573	8.88
38)	T	Carbon Tetrachlo...	0.524	0.545	0.461	0.432	0.542	0.501	10.26
39)	T	Methylcyclohexane	0.445	0.521	0.444	0.435	0.562	0.482	11.81
40)	TM	Benzene	1.507	1.569	1.353	1.258	1.540	1.445	9.26
41)	T	Methacrylonitrile	0.290	0.314	0.288	0.263	0.327	0.296	8.37
42)	TM	1,2-Dichloroethane	0.572	0.609	0.484	0.467	0.565	0.539	11.30
43)	T	Isopropyl Acetate	0.885	0.976	0.834	0.809	1.007	0.902	9.63
44)	TM	Trichloroethene	0.367	0.374	0.315	0.304	0.367	0.345	9.59
45)	C	1,2-Dichloropropane	0.391	0.402	0.333	0.310	0.377	0.362	10.93#
46)	T	Dibromomethane	0.283	0.329	0.260	0.250	0.307	0.286	11.42
47)	T	Bromodichloromet...	0.581	0.616	0.521	0.489	0.597	0.561	9.56
48)	T	Methyl methacrylate	0.392	0.446	0.389	0.384	0.479	0.418	10.19
49)	T	1,4-Dioxane	0.006	0.007	0.006	0.005	0.007	0.006	11.38
50)	S	Toluene-d8	1.189	1.026	1.352	1.429	1.387	1.277	13.06
51)	T	4-Methyl-2-Penta...	0.532	0.623	0.537	0.509	0.614	0.563	9.20
52)	CM	Toluene	0.897	0.981	0.848	0.811	0.998	0.907	9.02#
53)	T	t-1,3-Dichloropr...	0.556	0.617	0.528	0.518	0.650	0.574	10.00
54)	T	cis-1,3-Dichloro...	0.593	0.651	0.544	0.534	0.659	0.596	9.76
55)	T	1,1,2-Trichloroe...	0.390	0.413	0.339	0.318	0.384	0.369	10.55
56)	T	Ethyl methacrylate	0.433	0.561	0.515	0.513	0.644	0.533	14.50

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N092325W.M

57)	T	1,3-Dichloropropane	0.610	0.667	0.567	0.539	0.651	0.607	8.94
58)	T	2-Chloroethyl Vi...	0.193	0.278	0.219	0.250	0.312	0.251	18.74
59)	T	2-Hexanone	0.297	0.402	0.369	0.358	0.436	0.372	14.07
60)	T	Dibromochloromet...	0.425	0.472	0.402	0.391	0.479	0.434	9.19
61)	T	1,2-Dibromoethane	0.395	0.435	0.362	0.341	0.420	0.390	10.02
62)	S	4-Bromofluoroben...	0.432	0.367	0.476	0.511	0.496	0.456	12.76
63)	I	Chlorobenzene-d5	----------ISTD----------						
64)	T	Tetrachloroethene	0.308	0.345	0.279	0.264	0.328	0.305	10.99
65)	PM	Chlorobenzene	1.057	1.218	0.951	0.940	1.153	1.064	11.49
66)	T	1,1,1,2-Tetrachl...	0.402	0.423	0.349	0.335	0.409	0.384	10.11
67)	C	Ethyl Benzene	1.650	1.968	1.601	1.637	2.022	1.775	11.39#
68)	T	m/p-Xylenes	0.612	0.765	0.637	0.615	0.767	0.679	11.77
69)	T	o-Xylene	0.593	0.718	0.598	0.601	0.752	0.652	11.72
70)	T	Styrene	0.906	1.260	1.063	1.061	1.312	1.120	14.72
71)	P	Bromoform	0.286	0.344	0.285	0.289	0.352	0.311	10.91
72)	I	1,4-Dichlorobenzen...	----------ISTD----------						
73)	T	Isopropylbenzene	2.660	3.518	2.804	2.859	3.653	3.099	14.61
74)	T	N-amyl acetate		1.023	0.884	0.942	1.236	1.021	15.09
75)	P	1,1,2,2-Tetrachl...	1.212	1.269	0.979	0.954	1.168	1.117	12.71
76)	T	1,2,3-Trichlorop...	0.969	1.172	0.866	0.857	1.064	0.986	13.63
77)	T	Bromobenzene	0.851	0.919	0.716	0.720	0.916	0.825	12.22
78)	T	n-propylbenzene	3.637	4.345	3.468	3.493	4.429	3.874	12.22
79)	T	2-Chlorotoluene	2.330	2.636	2.084	2.098	2.647	2.359	11.68
80)	T	1,3,5-Trimethylb...	2.388	3.064	2.400	2.472	3.079	2.680	13.36
81)	T	trans-1,4-Dichlo...	0.303	0.381	0.308	0.337	0.447	0.355	16.84
82)	T	4-Chlorotoluene	2.124	2.748	2.146	2.162	2.705	2.377	13.44
83)	T	tert-Butylbenzene	1.963	2.581	2.059	2.118	2.623	2.269	13.64
84)	T	1,2,4-Trimethylb...	2.418	3.101	2.514	2.539	3.174	2.749	13.04
85)	T	sec-Butylbenzene	3.078	3.736	3.004	3.023	3.790	3.326	12.03
86)	T	p-Isopropyltoluene	2.496	3.176	2.558	2.591	3.264	2.817	13.16
87)	T	1,3-Dichlorobenzene	1.689	1.798	1.403	1.409	1.745	1.609	11.75
88)	T	1,4-Dichlorobenzene	1.800	1.888	1.413	1.423	1.744	1.654	13.39
89)	T	n-Butylbenzene	2.481	3.002	2.372	2.418	3.039	2.662	12.36
90)	T	Hexachloroethane	0.631	0.665	0.505	0.509	0.633	0.588	12.88
91)	T	1,2-Dichlorobenzene	1.591	1.776	1.357	1.358	1.673	1.551	12.15
92)	T	1,2-Dibromo-3-Ch...	0.285	0.285	0.220	0.221	0.286	0.259	13.71
93)	T	1,2,4-Trichlorob...	0.867	0.991	0.791	0.830	1.099	0.916	13.89
94)	T	Hexachlorobutadiene	0.348	0.381	0.293	0.288	0.375	0.337	13.11
95)	T	Naphthalene	2.398	3.241	2.601	2.761	3.697	2.939	17.88
96)	T	1,2,3-Trichlorob...	0.780	1.020	0.783	0.800	1.068	0.890	15.91

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087924.D
Acq On : 23 Sep 2025 09:33
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	222356	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	420635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	399169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	202125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	18952	5.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.120%#		
35) Dibromofluoromethane	8.153	113	15821	5.180	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.360%#		
50) Toluene-d8	10.541	98	50031	4.658	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.320%#		
62) 4-Bromofluorobenzene	12.829	95	18155	4.729	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.460%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	13126	5.097	ug/l	99
3) Chloromethane	2.383	50	14715	5.581	ug/l	93
4) Vinyl Chloride	2.536	62	14589	5.423	ug/l	93
5) Bromomethane	2.971	94	8627	5.173	ug/l	89
6) Chloroethane	3.136	64	9834	5.623	ug/l	93
7) Trichlorofluoromethane	3.512	101	25997	5.936	ug/l	99
8) Diethyl Ether	3.965	74	8903	5.381	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.365	101	13274	5.734	ug/l	97
10) Methyl Iodide	4.589	142	7442	3.572	ug/l	98
11) Tert butyl alcohol	5.518	59	13898	25.785	ug/l #	84
12) 1,1-Dichloroethene	4.336	96	13134	5.623	ug/l	85
13) Acrolein	4.171	56	18861	27.272	ug/l	100
14) Allyl chloride	5.012	41	19959	5.249	ug/l	92
15) Acrylonitrile	5.712	53	43865	25.945	ug/l	99
16) Acetone	4.430	43	46306m	29.892	ug/l	
17) Carbon Disulfide	4.700	76	39748	5.447	ug/l	100
18) Methyl Acetate	5.012	43	18268	4.741	ug/l #	57
19) Methyl tert-butyl Ether	5.794	73	45522	4.989	ug/l	100
20) Methylene Chloride	5.265	84	19358	6.212	ug/l #	94
21) trans-1,2-Dichloroethene	5.777	96	16849	5.884	ug/l	91
22) Diisopropyl ether	6.665	45	45352	5.109	ug/l #	94
23) Vinyl Acetate	6.588	43	176170	23.571	ug/l	98
24) 1,1-Dichloroethane	6.553	63	29249	5.640	ug/l	95
25) 2-Butanone	7.477	43	61960	26.329	ug/l	94
26) 2,2-Dichloropropane	7.471	77	25251	5.480	ug/l	97
27) cis-1,2-Dichloroethene	7.465	96	18948	5.562	ug/l	97
28) Bromochloromethane	7.794	49	14841	5.267	ug/l	98
29) Tetrahydrofuran	7.824	42	37229	24.706	ug/l	98
30) Chloroform	7.947	83	31560	5.566	ug/l	94
31) Cyclohexane	8.235	56	25850	6.160	ug/l	86
32) 1,1,1-Trichloroethane	8.153	97	26469	5.524	ug/l #	86
36) 1,1-Dichloropropene	8.359	75	18296	4.982	ug/l	95
37) Ethyl Acetate	7.553	43	25308	5.248	ug/l #	96
38) Carbon Tetrachloride	8.347	117	22056	5.234	ug/l	99
39) Methylcyclohexane	9.582	83	18721	4.621	ug/l #	85
40) Benzene	8.594	78	63389	5.213	ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087924.D
Acq On : 23 Sep 2025 09:33
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 04:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	12197	4.894	ug/l	#	93
42) 1,2-Dichloroethane	8.647	62	24064	5.303	ug/l		99
43) Isopropyl Acetate	8.676	43	37238	4.906	ug/l		99
44) Trichloroethene	9.329	130	15430	5.313	ug/l		87
45) 1,2-Dichloropropane	9.606	63	16459	5.398	ug/l	#	75
46) Dibromomethane	9.694	93	11919	4.954	ug/l		97
47) Bromodichloromethane	9.865	83	24450	5.181	ug/l	#	93
48) Methyl methacrylate	9.665	41	16484	4.689	ug/l		89
49) 1,4-Dioxane	9.688	88	5284	101.752	ug/l	#	76
51) 4-Methyl-2-Pentanone	10.423	43	111966	23.639	ug/l		97
52) Toluene	10.606	92	37730	4.945	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	23406	4.847	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	24940	4.972	ug/l		93
55) 1,1,2-Trichloroethane	10.994	97	16385	5.281	ug/l	#	82
56) Ethyl methacrylate	10.859	69	18199	4.060	ug/l		96
57) 1,3-Dichloropropane	11.141	76	25677	5.032	ug/l		94
58) 2-Chloroethyl Vinyl ether	10.141	63	40658	19.289	ug/l		100
59) 2-Hexanone	11.182	43	62373	19.915	ug/l		98
60) Dibromochloromethane	11.335	129	17873	4.900	ug/l		97
61) 1,2-Dibromoethane	11.447	107	16603	5.055	ug/l		96
64) Tetrachloroethene	11.076	164	12289	5.054	ug/l		94
65) Chlorobenzene	11.870	112	42197	4.968	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.935	131	16032	5.234	ug/l		94
67) Ethyl Benzene	11.947	91	65844	4.645	ug/l		99
68) m/p-Xylenes	12.053	106	48826	9.007	ug/l		100
69) o-Xylene	12.382	106	23662	4.543	ug/l		99
70) Styrene	12.388	104	36168	4.043	ug/l		98
71) Bromoform	12.564	173	11400	4.587	ug/l	#	94
73) Isopropylbenzene	12.670	105	53756	4.291	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.917	83	24506	5.429	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	19585m	4.885	ug/l		
77) Bromobenzene	12.959	156	17210	5.163	ug/l		95
78) n-propylbenzene	13.011	91	73512	4.694	ug/l		100
79) 2-Chlorotoluene	13.106	91	47102	4.939	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	48265	4.454	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.729	75	6119	4.265	ug/l		95
82) 4-Chlorotoluene	13.200	91	42937	4.468	ug/l		95
83) tert-Butylbenzene	13.411	119	39678	4.326	ug/l		93
84) 1,2,4-Trimethylbenzene	13.464	105	48866	4.397	ug/l		99
85) sec-Butylbenzene	13.594	105	62218	4.627	ug/l		100
86) p-Isopropyltoluene	13.706	119	50459	4.431	ug/l		97
87) 1,3-Dichlorobenzene	13.711	146	34148	5.250	ug/l		96
88) 1,4-Dichlorobenzene	13.788	146	36387	5.444	ug/l		92
89) n-Butylbenzene	14.029	91	50142	4.659	ug/l		94
90) Hexachloroethane	14.311	117	12750	5.359	ug/l		95
91) 1,2-Dichlorobenzene	14.088	146	32149	5.128	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.688	75	5752	5.485	ug/l		83
93) 1,2,4-Trichlorobenzene	15.370	180	17526	4.735	ug/l		95
94) Hexachlorobutadiene	15.476	225	7041	5.168	ug/l		95
95) Naphthalene	15.611	128	48467	4.079	ug/l		97
96) 1,2,3-Trichlorobenzene	15.811	180	15763	4.380	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087924.D
Acq On : 23 Sep 2025 09:33
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

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

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

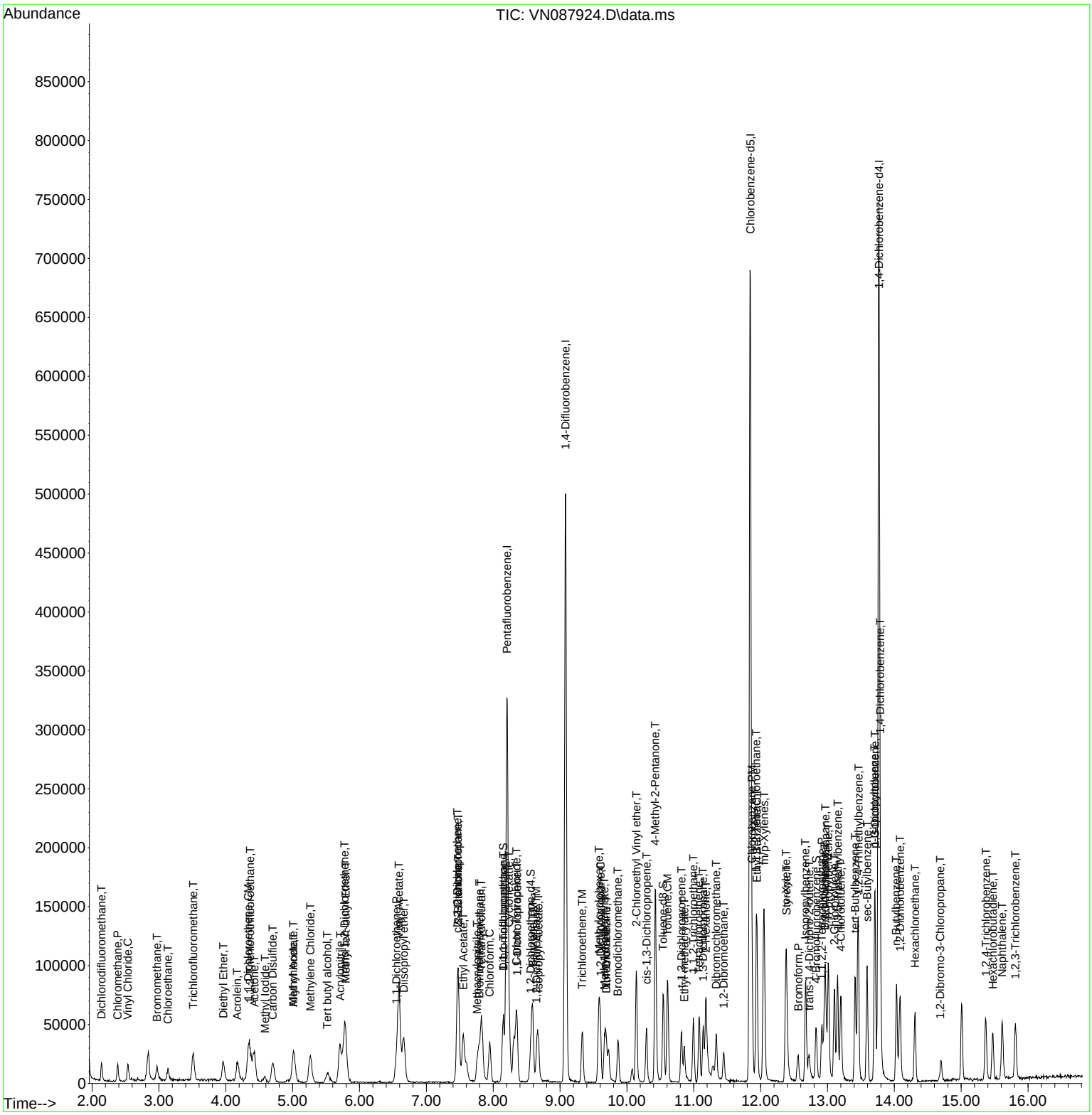
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087924.D
Acq On : 23 Sep 2025 09:33
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 04:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087926.D
Acq On : 23 Sep 2025 10:15
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:48:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	254576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	459281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	454459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	250450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	222035	51.825	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.660%			
35) Dibromofluoromethane	8.147	113	170968	51.270	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.540%			
50) Toluene-d8	10.547	98	621058	52.961	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.920%			
62) 4-Bromofluorobenzene	12.829	95	218627	52.158	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	133988	45.447	ug/l	100
3) Chloromethane	2.383	50	135318	44.826	ug/l	100
4) Vinyl Chloride	2.536	62	140827	45.727	ug/l	100
5) Bromomethane	2.971	94	81343	42.604	ug/l	100
6) Chloroethane	3.136	64	90403	45.146	ug/l	100
7) Trichlorofluoromethane	3.512	101	224857	44.843	ug/l	100
8) Diethyl Ether	3.965	74	86217	45.512	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	120911	45.623	ug/l	100
10) Methyl Iodide	4.583	142	117736	49.360	ug/l	100
11) Tert butyl alcohol	5.518	59	137080	222.139	ug/l	100
12) 1,1-Dichloroethene	4.330	96	119621	44.733	ug/l	100
13) Acrolein	4.177	56	152801	192.981	ug/l	100
14) Allyl chloride	5.012	41	193562	44.461	ug/l	100
15) Acrylonitrile	5.706	53	443203	228.967	ug/l	100
16) Acetone	4.424	43	379293	213.856	ug/l	100
17) Carbon Disulfide	4.706	76	378095	45.253	ug/l	100
18) Methyl Acetate	5.012	43	206999	46.922	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	485562	46.482	ug/l	100
20) Methylene Chloride	5.265	84	158103	44.311	ug/l	100
21) trans-1,2-Dichloroethene	5.771	96	145042	44.244	ug/l	100
22) Diisopropyl ether	6.659	45	464786	45.733	ug/l	100
23) Vinyl Acetate	6.589	43	1993514m	232.968	ug/l	
24) 1,1-Dichloroethane	6.553	63	269051	45.314	ug/l	100
25) 2-Butanone	7.471	43	609821	226.338	ug/l	100
26) 2,2-Dichloropropane	7.477	77	237294	44.982	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	175636	45.028	ug/l	100
28) Bromochloromethane	7.794	49	168545	52.246	ug/l	100
29) Tetrahydrofuran	7.824	42	395920	229.492	ug/l	100
30) Chloroform	7.947	83	291394	44.884	ug/l	100
31) Cyclohexane	8.241	56	210496	43.814	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	243908	44.463	ug/l	100
36) 1,1-Dichloropropene	8.353	75	187383	46.732	ug/l	100
37) Ethyl Acetate	7.547	43	245980	46.716	ug/l	100
38) Carbon Tetrachloride	8.341	117	211771	46.026	ug/l	100
39) Methylcyclohexane	9.577	83	204121	46.146	ug/l	100
40) Benzene	8.588	78	621393	46.804	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087926.D
Acq On : 23 Sep 2025 10:15
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 24 04:48:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	132245	48.599	ug/l	100
42) 1,2-Dichloroethane	8.653	62	222149	44.838	ug/l	100
43) Isopropyl Acetate	8.671	43	383082	46.221	ug/l	100
44) Trichloroethene	9.335	130	144464	45.554	ug/l	100
45) 1,2-Dichloropropane	9.600	63	152778	45.892	ug/l	100
46) Dibromomethane	9.688	93	119379	45.445	ug/l	100
47) Bromodichloromethane	9.871	83	239213	46.428	ug/l	100
48) Methyl methacrylate	9.665	41	178460	46.496	ug/l	100
49) 1,4-Dioxane	9.677	88	51757	912.802	ug/l	100
51) 4-Methyl-2-Pentanone	10.424	43	1234001	238.604	ug/l	100
52) Toluene	10.612	92	389268	46.724	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	242702	46.026	ug/l	100
54) cis-1,3-Dichloropropene	10.294	75	249831	45.616	ug/l	100
55) 1,1,2-Trichloroethane	10.994	97	155665	45.952	ug/l	100
56) Ethyl methacrylate	10.853	69	236371	48.290	ug/l	100
57) 1,3-Dichloropropane	11.141	76	260217	46.703	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.141	63	503361	218.716	ug/l	100
59) 2-Hexanone	11.176	43	846472	247.530	ug/l	100
60) Dibromochloromethane	11.335	129	184637	46.357	ug/l	100
61) 1,2-Dibromoethane	11.447	107	166047	46.302	ug/l	100
64) Tetrachloroethene	11.082	164	126588	45.728	ug/l	100
65) Chlorobenzene	11.871	112	432322	44.702	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.935	131	158774	45.525	ug/l	100
67) Ethyl Benzene	11.941	91	727479	45.080	ug/l	100
68) m/p-Xylenes	12.047	106	578820	93.784	ug/l	100
69) o-Xylene	12.376	106	271677	45.817	ug/l	100
70) Styrene	12.388	104	483179	47.446	ug/l	100
71) Bromoform	12.559	173	129687	45.833	ug/l	100
73) Isopropylbenzene	12.670	105	702353	45.248	ug/l	100
74) N-amyl acetate	12.500	43	221335m	47.870	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	245260	43.853	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	216939m	43.667	ug/l	
77) Bromobenzene	12.959	156	179418	43.443	ug/l	100
78) n-propylbenzene	13.012	91	868436	44.749	ug/l	100
79) 2-Chlorotoluene	13.100	91	521993	44.174	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	601032	44.765	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	77199	43.422	ug/l	100
82) 4-Chlorotoluene	13.200	91	537514	45.143	ug/l	100
83) tert-Butylbenzene	13.412	119	515745	45.383	ug/l	100
84) 1,2,4-Trimethylbenzene	13.459	105	629687	45.724	ug/l	100
85) sec-Butylbenzene	13.594	105	752465	45.162	ug/l	100
86) p-Isopropyltoluene	13.706	119	640667	45.400	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	351453	43.608	ug/l	100
88) 1,4-Dichlorobenzene	13.788	146	353807	42.717	ug/l	100
89) n-Butylbenzene	14.029	91	594156	44.552	ug/l	100
90) Hexachloroethane	14.312	117	126396	42.879	ug/l	100
91) 1,2-Dichlorobenzene	14.082	146	339824	43.744	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	55187	42.468	ug/l	100
93) 1,2,4-Trichlorobenzene	15.364	180	198112	43.192	ug/l	100
94) Hexachlorobutadiene	15.470	225	73457	43.512	ug/l	100
95) Naphthalene	15.611	128	651337	44.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	196179	43.995	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087926.D
Acq On : 23 Sep 2025 10:15
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:48:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

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

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

ICAL Form

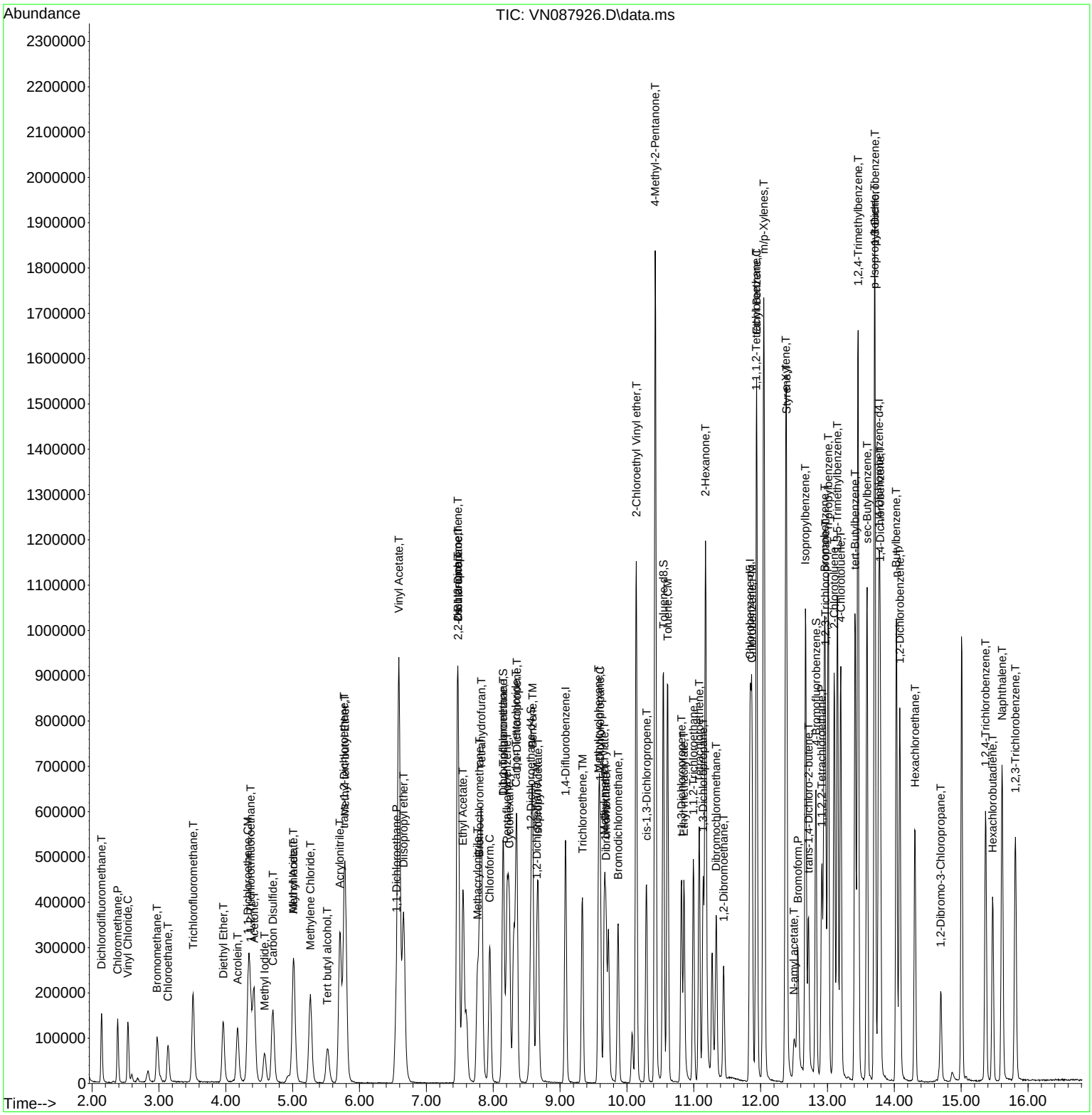
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087926.D
Acq On : 23 Sep 2025 10:15
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 24 04:48:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087927.D
Acq On : 23 Sep 2025 10:36
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 04:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	250140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	448432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	431445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	232835	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	450719	107.068	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 214.140%#			
35) Dibromofluoromethane	8.147	113	345448	106.100	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 212.200%#			
50) Toluene-d8	10.547	98	1281272	111.905	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 223.820%#			
62) 4-Bromofluorobenzene	12.829	95	458572	112.049	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 224.100%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	252462	87.151	ug/l	97
3) Chloromethane	2.383	50	248449	83.763	ug/l	100
4) Vinyl Chloride	2.536	62	258079	85.285	ug/l	100
5) Bromomethane	2.959	94	165493	88.215	ug/l	98
6) Chloroethane	3.130	64	168581	85.680	ug/l	92
7) Trichlorofluoromethane	3.506	101	408423	82.895	ug/l	96
8) Diethyl Ether	3.959	74	157544	84.639	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	219815	84.412	ug/l	98
10) Methyl Iodide	4.577	142	238972	101.965	ug/l	96
11) Tert butyl alcohol	5.524	59	261539	431.343	ug/l	98
12) 1,1-Dichloroethene	4.336	96	224049	85.270	ug/l	95
13) Acrolein	4.177	56	413952	532.076	ug/l	97
14) Allyl chloride	5.012	41	375296	87.735	ug/l	99
15) Acrylonitrile	5.712	53	820847	431.586	ug/l	99
16) Acetone	4.418	43	684989	393.064	ug/l	98
17) Carbon Disulfide	4.700	76	699756	85.238	ug/l	97
18) Methyl Acetate	5.018	43	383631	88.503	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	905869	88.256	ug/l	100
20) Methylene Chloride	5.259	84	285438	81.418	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	271323	84.233	ug/l	92
22) Diisopropyl ether	6.659	45	881761	88.301	ug/l	95
23) Vinyl Acetate	6.589	43	3755895m	446.709	ug/l	
24) 1,1-Dichloroethane	6.553	63	492345	84.392	ug/l	99
25) 2-Butanone	7.471	43	1133783	428.271	ug/l	99
26) 2,2-Dichloropropane	7.477	77	434345	83.795	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	327964	85.571	ug/l	99
28) Bromochloromethane	7.800	49	299346	94.438	ug/l	100
29) Tetrahydrofuran	7.824	42	745260	439.646	ug/l	99
30) Chloroform	7.947	83	537746	84.299	ug/l	97
31) Cyclohexane	8.241	56	379372	80.366	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	454412	84.305	ug/l	97
36) 1,1-Dichloropropene	8.353	75	350081	89.421	ug/l	98
37) Ethyl Acetate	7.547	43	451409	87.805	ug/l	99
38) Carbon Tetrachloride	8.341	117	387306	86.213	ug/l	96
39) Methylcyclohexane	9.582	83	390119	90.330	ug/l	99
40) Benzene	8.588	78	1128183	87.033	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087927.D
Acq On : 23 Sep 2025 10:36
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 04:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.765	41	235709	88.718 ug/l	95
42) 1,2-Dichloroethane	8.653	62	419019	86.620 ug/l	99
43) Isopropyl Acetate	8.671	43	725147	89.609 ug/l	99
44) Trichloroethene	9.335	130	272727	88.080 ug/l	90
45) 1,2-Dichloropropane	9.600	63	277676	85.427 ug/l	100
46) Dibromomethane	9.688	93	224518	87.537 ug/l	97
47) Bromodichloromethane	9.865	83	438840	87.234 ug/l	98
48) Methyl methacrylate	9.659	41	343963	91.785 ug/l	96
49) 1,4-Dioxane	9.677	88	94746	1711.395 ug/l #	85
51) 4-Methyl-2-Pentanone	10.424	43	2280534	451.629 ug/l	99
52) Toluene	10.606	92	727172	89.394 ug/l	99
53) t-1,3-Dichloropropene	10.818	75	464641	90.246 ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	479067	89.589 ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	285624	86.356 ug/l	99
56) Ethyl methacrylate	10.853	69	459730	96.195 ug/l	99
57) 1,3-Dichloropropane	11.141	76	483097	88.803 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	1121816	499.234 ug/l	98
59) 2-Hexanone	11.176	43	1603636	480.290 ug/l	98
60) Dibromochloromethane	11.335	129	350657	90.171 ug/l	99
61) 1,2-Dibromoethane	11.447	107	306002	87.393 ug/l	100
64) Tetrachloroethene	11.082	164	227824	86.687 ug/l	97
65) Chlorobenzene	11.871	112	811449	88.379 ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.941	131	289426	87.414 ug/l	99
67) Ethyl Benzene	11.941	91	1412236	92.180 ug/l	98
68) m/p-Xylenes	12.047	106	1061087	181.095 ug/l	97
69) o-Xylene	12.376	106	518806	92.161 ug/l	97
70) Styrene	12.388	104	915672	94.710 ug/l	98
71) Bromoform	12.559	173	249268	92.794 ug/l #	99
73) Isopropylbenzene	12.670	105	1331440	92.265 ug/l	100
74) N-amyl acetate	12.494	43	438667m	102.053 ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	444065	85.408 ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	398893m	86.367 ug/l	
77) Bromobenzene	12.959	156	335228	87.310 ug/l	99
78) n-propylbenzene	13.012	91	1626563	90.155 ug/l	99
79) 2-Chlorotoluene	13.100	91	977059	88.941 ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	1151230	92.232 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	156770	94.849 ug/l	98
82) 4-Chlorotoluene	13.200	91	1006766	90.951 ug/l	100
83) tert-Butylbenzene	13.412	119	986126	93.339 ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	1182488	92.362 ug/l	100
85) sec-Butylbenzene	13.594	105	1407683	90.879 ug/l	98
86) p-Isopropyltoluene	13.706	119	1206696	91.980 ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	656218	87.583 ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	662481	86.037 ug/l	98
89) n-Butylbenzene	14.035	91	1126206	90.837 ug/l	100
90) Hexachloroethane	14.306	117	236932	86.459 ug/l	99
91) 1,2-Dichlorobenzene	14.082	146	632359	87.559 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	102736	85.039 ug/l	97
93) 1,2,4-Trichlorobenzene	15.364	180	386396	90.615 ug/l	96
94) Hexachlorobutadiene	15.470	225	134018	85.390 ug/l	99
95) Naphthalene	15.611	128	1285628	93.924 ug/l	98
96) 1,2,3-Trichlorobenzene	15.811	180	372476	89.850 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087927.D
Acq On : 23 Sep 2025 10:36
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

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

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

ICAL Form

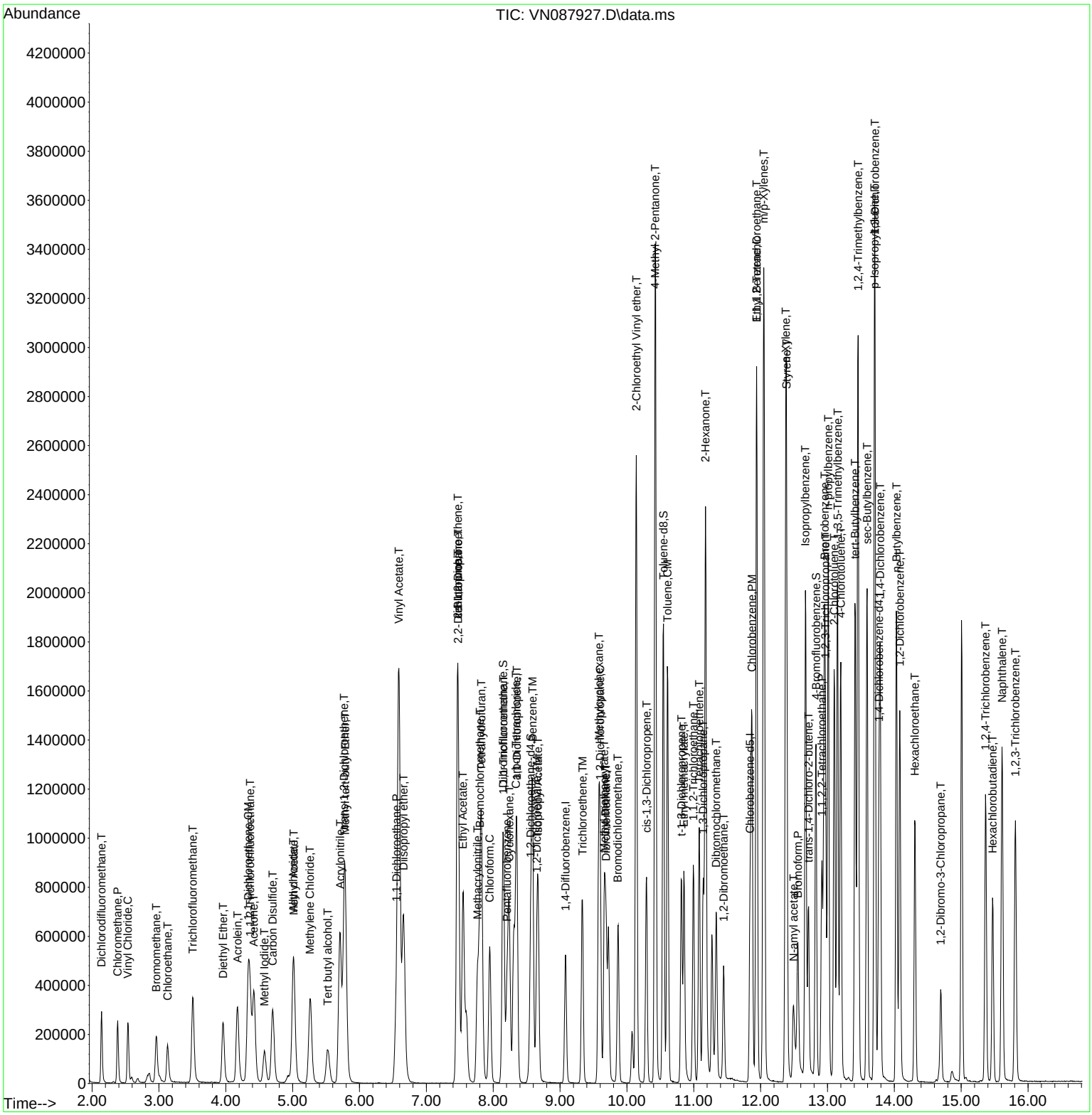
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087927.D
Acq On : 23 Sep 2025 10:36
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 04:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087928.D
Acq On : 23 Sep 2025 10:56
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	261684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	469572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	448321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	234506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	688147	156.257	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 312.520%#			
35) Dibromofluoromethane	8.147	113	529816	155.401	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 310.800%#			
50) Toluene-d8	10.547	98	1953189	162.910	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 325.820%#			
62) 4-Bromofluorobenzene	12.829	95	698306	162.944	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 325.880%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	480645	158.601	ug/l	97
3) Chloromethane	2.383	50	472896	152.400	ug/l	99
4) Vinyl Chloride	2.536	62	481283	152.029	ug/l	99
5) Bromomethane	2.942	94	325624	165.915	ug/l	97
6) Chloroethane	3.118	64	319724	155.328	ug/l	96
7) Trichlorofluoromethane	3.500	101	775109	150.380	ug/l	98
8) Diethyl Ether	3.959	74	304158	156.198	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	414564	152.176	ug/l	97
10) Methyl Iodide	4.577	142	465699	189.939	ug/l	97
11) Tert butyl alcohol	5.530	59	507633	800.280	ug/l	99
12) 1,1-Dichloroethene	4.336	96	423177	153.951	ug/l	91
13) Acrolein	4.177	56	683544	839.839	ug/l	95
14) Allyl chloride	5.012	41	726966	162.449	ug/l	96
15) Acrylonitrile	5.706	53	1569579	788.849	ug/l	99
16) Acetone	4.418	43	1277870	700.927	ug/l	98
17) Carbon Disulfide	4.700	76	1312297	152.800	ug/l	98
18) Methyl Acetate	5.012	43	732961	161.634	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	1771056	164.937	ug/l	98
20) Methylene Chloride	5.259	84	534218	145.657	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	513466	152.375	ug/l	96
22) Diisopropyl ether	6.659	45	1726637	165.280	ug/l	97
23) Vinyl Acetate	6.588	43	7327627m	833.068	ug/l	
24) 1,1-Dichloroethane	6.553	63	947100	155.178	ug/l	99
25) 2-Butanone	7.471	43	2176088	785.726	ug/l	98
26) 2,2-Dichloropropane	7.471	77	839353	154.787	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	631177	157.420	ug/l	99
28) Bromochloromethane	7.794	49	447101	134.830	ug/l	100
29) Tetrahydrofuran	7.824	42	1456588	821.368	ug/l	99
30) Chloroform	7.947	83	1030586	154.431	ug/l	100
31) Cyclohexane	8.235	56	746273	151.116	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	889373	157.722	ug/l	97
36) 1,1-Dichloropropene	8.353	75	673022	164.170	ug/l	98
37) Ethyl Acetate	7.547	43	874349	162.416	ug/l	98
38) Carbon Tetrachloride	8.341	117	763232	162.245	ug/l	93
39) Methylcyclohexane	9.576	83	791897	175.104	ug/l	98
40) Benzene	8.588	78	2169328	159.817	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087928.D
Acq On : 23 Sep 2025 10:56
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 24 04:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.765	41	460218	165.421 ug/l		97
42) 1,2-Dichloroethane	8.653	62	796063	157.154 ug/l		99
43) Isopropyl Acetate	8.671	43	1418775	167.431 ug/l		99
44) Trichloroethene	9.329	130	517259	159.533 ug/l		96
45) 1,2-Dichloropropane	9.600	63	530435	155.841 ug/l		98
46) Dibromomethane	9.688	93	432679	161.101 ug/l		96
47) Bromodichloromethane	9.865	83	840816	159.615 ug/l		97
48) Methyl methacrylate	9.665	41	674610	171.912 ug/l		96
49) 1,4-Dioxane	9.682	88	190965	3294.105 ug/l	#	82
51) 4-Methyl-2-Pentanone	10.424	43	4326882	818.303 ug/l		100
52) Toluene	10.606	92	1406217	165.088 ug/l		100
53) t-1,3-Dichloropropene	10.818	75	916112	169.924 ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	928185	165.762 ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	540596	156.087 ug/l		98
56) Ethyl methacrylate	10.853	69	907047	181.247 ug/l		98
57) 1,3-Dichloropropane	11.141	76	916449	160.877 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	2200367	935.130 ug/l		98
59) 2-Hexanone	11.176	43	3073538	879.085 ug/l		98
60) Dibromochloromethane	11.335	129	674217	165.568 ug/l		99
61) 1,2-Dibromoethane	11.447	107	590968	161.179 ug/l		100
64) Tetrachloroethene	11.082	164	440710	161.378 ug/l		95
65) Chlorobenzene	11.870	112	1551249	162.594 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.935	131	550130	159.899 ug/l		98
67) Ethyl Benzene	11.941	91	2719603	170.833 ug/l		98
68) m/p-Xylenes	12.047	106	2063388	338.900 ug/l		98
69) o-Xylene	12.376	106	1010983	172.832 ug/l		99
70) Styrene	12.388	104	1764226	175.610 ug/l		99
71) Bromoform	12.559	173	473708	169.708 ug/l	#	99
73) Isopropylbenzene	12.670	105	2569941	176.821 ug/l		100
74) N-amyl acetate	12.482	43	869458	200.832 ug/l	#	71
75) 1,1,2,2-Tetrachloroethane	12.917	83	821974	156.965 ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	748421m	160.891 ug/l		
77) Bromobenzene	12.959	156	644570	166.683 ug/l		97
78) n-propylbenzene	13.012	91	3116141	171.486 ug/l		99
79) 2-Chlorotoluene	13.100	91	1861996	168.288 ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	2165785	172.277 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.717	75	314140	188.706 ug/l		97
82) 4-Chlorotoluene	13.200	91	1903146	170.704 ug/l		99
83) tert-Butylbenzene	13.417	119	1845254	173.412 ug/l		96
84) 1,2,4-Trimethylbenzene	13.459	105	2233067	173.177 ug/l		100
85) sec-Butylbenzene	13.594	105	2666471	170.918 ug/l		99
86) p-Isopropyltoluene	13.706	119	2296563	173.808 ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	1227647	162.683 ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	1227019	158.218 ug/l		98
89) n-Butylbenzene	14.035	91	2137754	171.197 ug/l		99
90) Hexachloroethane	14.306	117	445654	161.465 ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	1177111	161.827 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	201299	165.436 ug/l		96
93) 1,2,4-Trichlorobenzene	15.364	180	773312	180.060 ug/l		97
94) Hexachlorobutadiene	15.470	225	263904	166.949 ug/l		100
95) Naphthalene	15.611	128	2600638	188.641 ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	751222	179.922 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087928.D
Acq On : 23 Sep 2025 10:56
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

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

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

ICAL Form

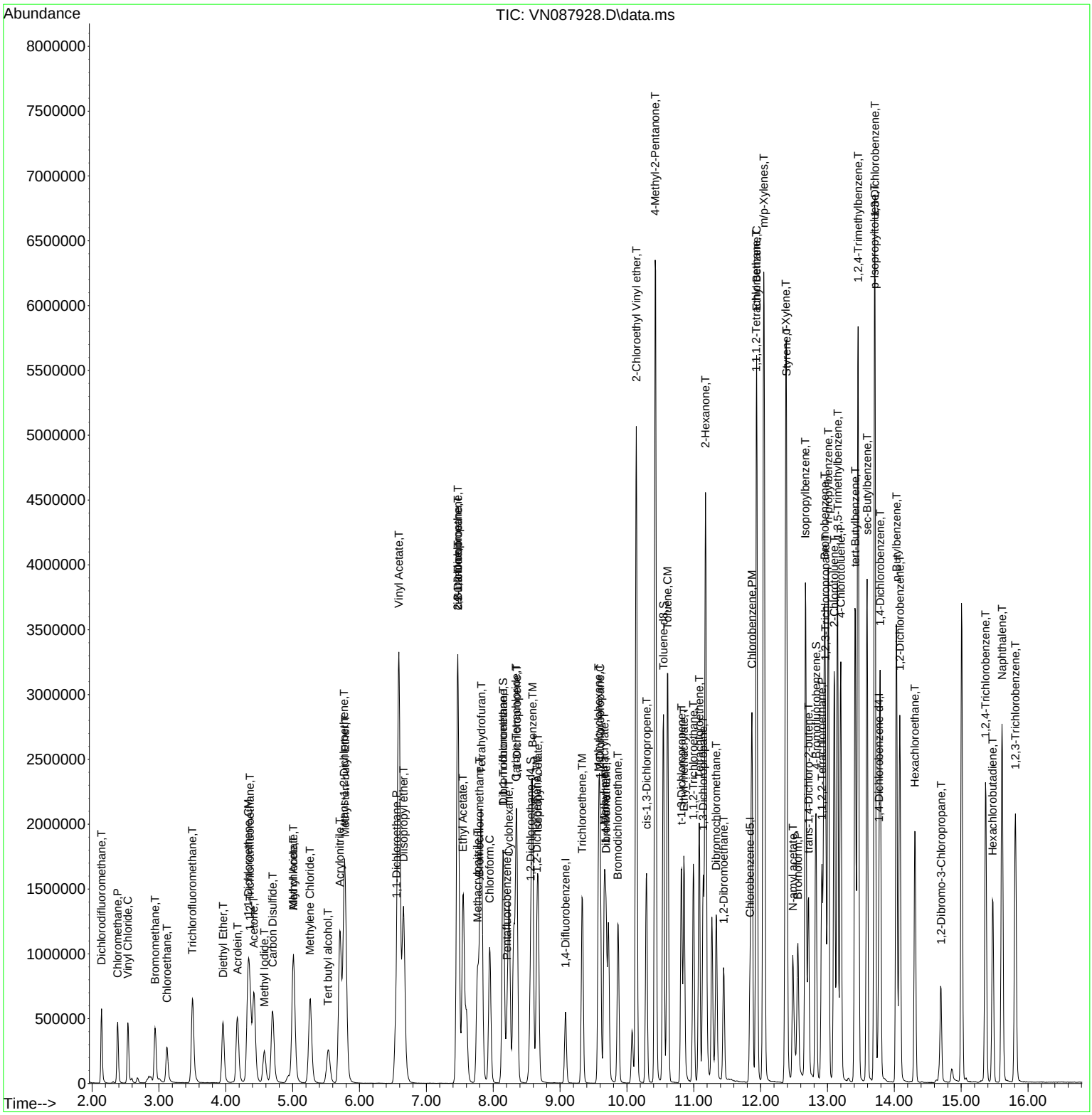
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087928.D
Acq On : 23 Sep 2025 10:56
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 24 04:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087930.D
Acq On : 23 Sep 2025 11:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:50:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	245129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	451275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	417832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	219754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	69157	16.764	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	33.520%#		
35) Dibromofluoromethane	8.147	113	55145	16.830	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	33.660%#		
50) Toluene-d8	10.547	98	185268	16.079	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	32.160%#		
62) 4-Bromofluorobenzene	12.829	95	66245	16.084	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	32.160%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	64880	22.855	ug/l	100
3) Chloromethane	2.383	50	65904	22.673	ug/l	95
4) Vinyl Chloride	2.542	62	67280	22.688	ug/l	97
5) Bromomethane	2.977	94	41366	22.501	ug/l	98
6) Chloroethane	3.136	64	41658	21.605	ug/l	90
7) Trichlorofluoromethane	3.512	101	104725	21.690	ug/l	99
8) Diethyl Ether	3.953	74	41074	22.518	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	55225	21.641	ug/l	97
10) Methyl Iodide	4.583	142	46507	20.249	ug/l	99
11) Tert butyl alcohol	5.524	59	68350	115.030	ug/l #	87
12) 1,1-Dichloroethene	4.336	96	56732	22.033	ug/l	83
13) Acrolein	4.177	56	72676	95.324	ug/l	98
14) Allyl chloride	5.018	41	92277	22.013	ug/l	95
15) Acrylonitrile	5.718	53	210865	113.135	ug/l	98
16) Acetone	4.424	43	204534	119.766	ug/l	99
17) Carbon Disulfide	4.706	76	182548	22.691	ug/l	100
18) Methyl Acetate	5.018	43	97764	23.015	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	219348	21.807	ug/l	97
20) Methylene Chloride	5.265	84	74638	21.725	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	68186	21.601	ug/l	89
22) Diisopropyl ether	6.659	45	211107	21.573	ug/l	97
23) Vinyl Acetate	6.588	43	923787m	112.117	ug/l	
24) 1,1-Dichloroethane	6.553	63	124326	21.746	ug/l	98
25) 2-Butanone	7.471	43	295055	113.731	ug/l	97
26) 2,2-Dichloropropane	7.477	77	115250	22.689	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	81272	21.639	ug/l	98
28) Bromochloromethane	7.794	49	65753	21.168	ug/l	100
29) Tetrahydrofuran	7.830	42	185940	111.932	ug/l	99
30) Chloroform	7.953	83	139611	22.333	ug/l	100
31) Cyclohexane	8.241	56	99972	21.611	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	117408	22.227	ug/l	97
36) 1,1-Dichloropropene	8.353	75	85120	21.605	ug/l	97
37) Ethyl Acetate	7.553	43	109187	21.105	ug/l	97
38) Carbon Tetrachloride	8.341	117	98457	21.778	ug/l	94
39) Methylcyclohexane	9.582	83	94068	21.644	ug/l	98
40) Benzene	8.588	78	283203	21.710	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087930.D
Acq On : 23 Sep 2025 11:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 04:50:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	56639	21.184	ug/l		94
42) 1,2-Dichloroethane	8.653	62	109893	22.574	ug/l		100
43) Isopropyl Acetate	8.677	43	176251	21.643	ug/l		99
44) Trichloroethene	9.335	130	67433	21.641	ug/l		99
45) 1,2-Dichloropropane	9.600	63	72572	22.186	ug/l		93
46) Dibromomethane	9.688	93	59412	23.018	ug/l		93
47) Bromodichloromethane	9.871	83	111245	21.974	ug/l		95
48) Methyl methacrylate	9.665	41	80574	21.365	ug/l		97
49) 1,4-Dioxane	9.682	88	24869	446.378	ug/l	#	83
51) 4-Methyl-2-Pentanone	10.424	43	561876	110.571	ug/l		99
52) Toluene	10.606	92	177153	21.641	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	111386	21.498	ug/l		97
54) cis-1,3-Dichloropropene	10.294	75	117557	21.845	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	74595	22.411	ug/l		88
56) Ethyl methacrylate	10.853	69	101192	21.040	ug/l		99
57) 1,3-Dichloropropane	11.141	76	120334	21.980	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	250611	110.825	ug/l		99
59) 2-Hexanone	11.176	43	363080	108.058	ug/l		99
60) Dibromochloromethane	11.341	129	85111	21.748	ug/l		97
61) 1,2-Dibromoethane	11.447	107	78541	22.290	ug/l		97
64) Tetrachloroethene	11.082	164	57619	22.638	ug/l		93
65) Chlorobenzene	11.871	112	203570	22.894	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.941	131	70713	22.053	ug/l		97
67) Ethyl Benzene	11.941	91	328980	22.173	ug/l		96
68) m/p-Xylenes	12.047	106	255651	45.053	ug/l		98
69) o-Xylene	12.376	106	120068	22.024	ug/l		98
70) Styrene	12.388	104	210587	22.491	ug/l		98
71) Bromoform	12.559	173	57576	22.132	ug/l	#	100
73) Isopropylbenzene	12.676	105	309264	22.707	ug/l		98
74) N-amyl acetate	12.547	43	89886m	22.156	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	111546	22.731	ug/l		100
76) 1,2,3-Trichloropropane	12.970	75	103062m	23.643	ug/l		
77) Bromobenzene	12.959	156	80748	22.283	ug/l		97
78) n-propylbenzene	13.012	91	381954	22.431	ug/l		100
79) 2-Chlorotoluene	13.100	91	231705	22.347	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	269309	22.860	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.718	75	33450	21.443	ug/l		97
82) 4-Chlorotoluene	13.200	91	241534	23.119	ug/l		100
83) tert-Butylbenzene	13.417	119	226878	22.753	ug/l		96
84) 1,2,4-Trimethylbenzene	13.459	105	272614	22.561	ug/l		99
85) sec-Butylbenzene	13.594	105	328389	22.462	ug/l		97
86) p-Isopropyltoluene	13.706	119	279181	22.547	ug/l		97
87) 1,3-Dichlorobenzene	13.712	146	158040	22.349	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	165954	22.835	ug/l		99
89) n-Butylbenzene	14.035	91	263875	22.550	ug/l		98
90) Hexachloroethane	14.312	117	58428	22.590	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	156108	22.902	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	25095	22.009	ug/l		98
93) 1,2,4-Trichlorobenzene	15.364	180	87148	21.654	ug/l		96
94) Hexachlorobutadiene	15.476	225	33457	22.586	ug/l		99
95) Naphthalene	15.611	128	284895	22.053	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	89684	22.922	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087930.D
Acq On : 23 Sep 2025 11:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:50:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

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

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

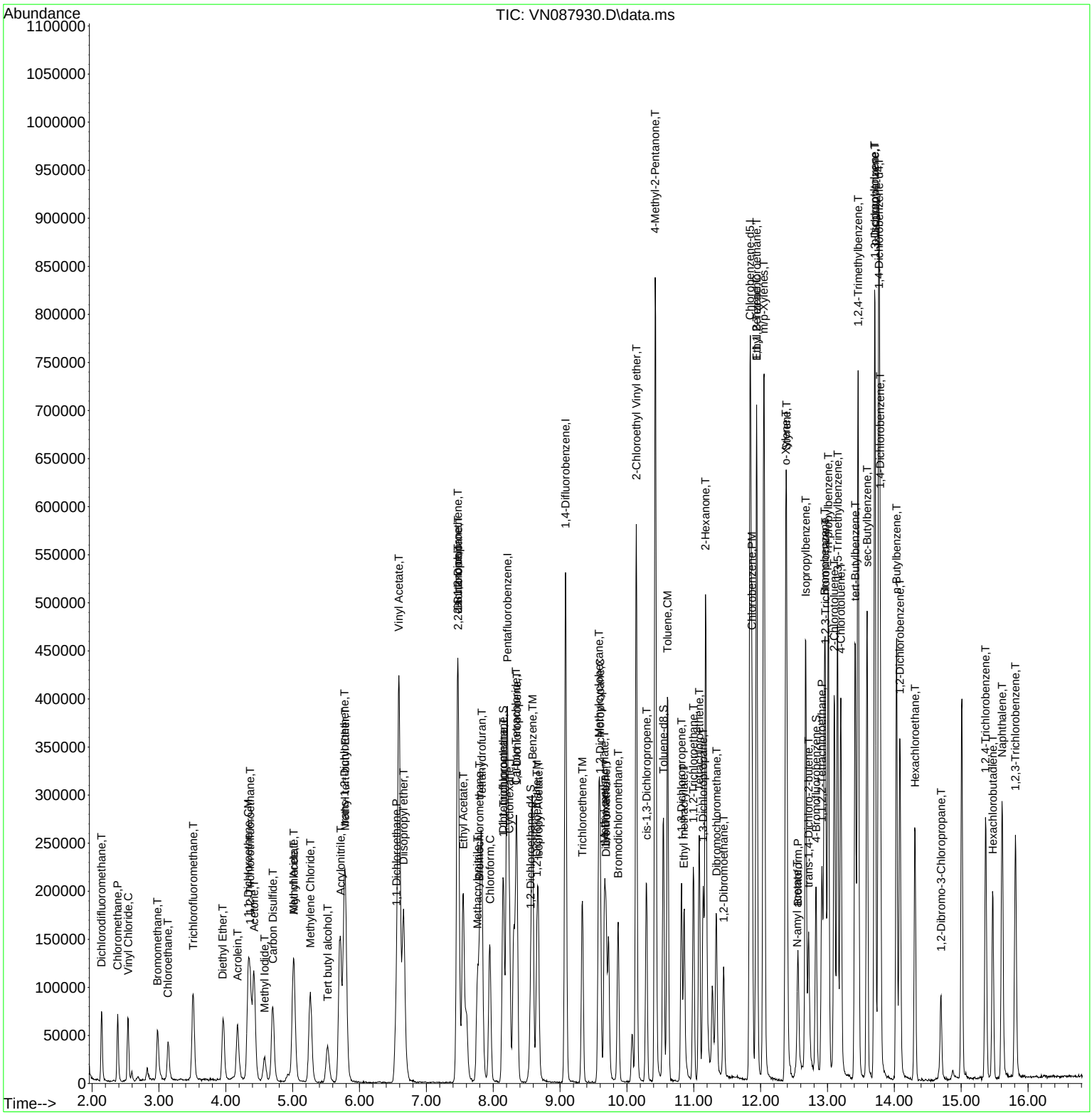
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087930.D
Acq On : 23 Sep 2025 11:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 04:50:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	277018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	496020	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	466772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	243738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	203626	43.678	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.360%		
35) Dibromofluoromethane	8.153	113	156190	43.369	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.740%		
50) Toluene-d8	10.547	98	567044	44.774	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.540%		
62) 4-Bromofluorobenzene	12.829	95	200630	44.319	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	88.640%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	161997	50.496	ug/l	96
3) Chloromethane	2.383	50	160833	48.962	ug/l	100
4) Vinyl Chloride	2.536	62	165059	49.253	ug/l	97
5) Bromomethane	2.971	94	113238	54.504	ug/l	97
6) Chloroethane	3.136	64	108186	49.650	ug/l	100
7) Trichlorofluoromethane	3.506	101	265455	48.650	ug/l	98
8) Diethyl Ether	3.959	74	101038	49.015	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	137085	47.535	ug/l	96
10) Methyl Iodide	4.577	142	150647	58.041	ug/l	98
11) Tert butyl alcohol	5.524	59	181682	270.566	ug/l	100
12) 1,1-Dichloroethene	4.336	96	147146	50.568	ug/l	99
13) Acrolein	4.177	56	213590	247.902	ug/l	98
14) Allyl chloride	5.012	41	238489	50.343	ug/l	96
15) Acrylonitrile	5.712	53	527698	250.533	ug/l	99
16) Acetone	4.418	43	476656	248.497	ug/l	93
17) Carbon Disulfide	4.701	76	441131	48.521	ug/l	99
18) Methyl Acetate	5.018	43	252027	52.501	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	593372	52.201	ug/l	98
20) Methylene Chloride	5.271	84	185323	47.732	ug/l	94
21) trans-1,2-Dichloroethene	5.777	96	176202	49.395	ug/l	88
22) Diisopropyl ether	6.659	45	572737	51.790	ug/l	96
23) Vinyl Acetate	6.589	43	2420654m	259.965	ug/l	
24) 1,1-Dichloroethane	6.553	63	319051	49.382	ug/l	98
25) 2-Butanone	7.471	43	765845	261.219	ug/l	99
26) 2,2-Dichloropropane	7.471	77	288518	50.261	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	212644	50.099	ug/l	98
28) Bromochloromethane	7.794	49	158210	45.070	ug/l	100
29) Tetrahydrofuran	7.824	42	481488	256.481	ug/l	99
30) Chloroform	7.947	83	347740	49.224	ug/l	94
31) Cyclohexane	8.236	56	249322	47.692	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	298473	50.001	ug/l	99
36) 1,1-Dichloropropene	8.353	75	223572	51.628	ug/l	98
37) Ethyl Acetate	7.547	43	281650	49.529	ug/l	98
38) Carbon Tetrachloride	8.341	117	254169	51.149	ug/l	96
39) Methylcyclohexane	9.577	83	254097	53.190	ug/l	98
40) Benzene	8.589	78	733552	51.160	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	151881	51.681	ug/l		98
42) 1,2-Dichloroethane	8.653	62	266146	49.739	ug/l		100
43) Isopropyl Acetate	8.671	43	465007	51.950	ug/l		99
44) Trichloroethene	9.330	130	174047	50.817	ug/l		90
45) 1,2-Dichloropropane	9.600	63	181803	50.566	ug/l		98
46) Dibromomethane	9.688	93	144476	50.925	ug/l		98
47) Bromodichloromethane	9.871	83	282997	50.858	ug/l	#	96
48) Methyl methacrylate	9.659	41	220518	53.199	ug/l		95
49) 1,4-Dioxane	9.683	88	71480	1167.270	ug/l	#	84
51) 4-Methyl-2-Pentanone	10.424	43	1464843	262.261	ug/l		100
52) Toluene	10.606	92	456380	50.722	ug/l		98
53) t-1,3-Dichloropropene	10.812	75	297827	52.296	ug/l		100
54) cis-1,3-Dichloropropene	10.294	75	303245	51.268	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	184666	50.476	ug/l		96
56) Ethyl methacrylate	10.853	69	287401	54.367	ug/l		99
57) 1,3-Dichloropropane	11.141	76	314225	52.219	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	735137	295.766	ug/l		98
59) 2-Hexanone	11.177	43	1027998	278.348	ug/l		98
60) Dibromochloromethane	11.335	129	224473	52.185	ug/l		98
61) 1,2-Dibromoethane	11.447	107	199841	51.598	ug/l		97
64) Tetrachloroethene	11.082	164	145781	51.272	ug/l		96
65) Chlorobenzene	11.871	112	518200	52.168	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.941	131	188263	52.557	ug/l		98
67) Ethyl Benzene	11.941	91	881499	53.183	ug/l		97
68) m/p-Xylenes	12.047	106	687129	108.396	ug/l		100
69) o-Xylene	12.377	106	330957	54.342	ug/l		100
70) Styrene	12.388	104	579999	55.451	ug/l		98
71) Bromoform	12.559	173	155551	53.524	ug/l	#	97
73) Isopropylbenzene	12.671	105	848011	56.136	ug/l		99
74) N-amyl acetate	12.500	43	276693m	55.590	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	277645	51.011	ug/l		99
76) 1,2,3-Trichloropropane	12.971	75	261896m	54.509	ug/l		
77) Bromobenzene	12.959	156	215215	53.546	ug/l		99
78) n-propylbenzene	13.012	91	1041885	55.165	ug/l		99
79) 2-Chlorotoluene	13.100	91	622023	54.089	ug/l		99
80) 1,3,5-Trimethylbenzene	13.147	105	739196	56.572	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.718	75	97122	56.132	ug/l		95
82) 4-Chlorotoluene	13.200	91	643471	55.531	ug/l		99
83) tert-Butylbenzene	13.418	119	620261	56.083	ug/l		96
84) 1,2,4-Trimethylbenzene	13.459	105	750139	55.971	ug/l		99
85) sec-Butylbenzene	13.594	105	900122	55.512	ug/l		97
86) p-Isopropyltoluene	13.706	119	774380	56.387	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	414732	52.877	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	430578	53.418	ug/l		97
89) n-Butylbenzene	14.035	91	718201	55.337	ug/l		99
90) Hexachloroethane	14.312	117	148145	51.641	ug/l		99
91) 1,2-Dichlorobenzene	14.082	146	408389	54.018	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	64838	51.268	ug/l		96
93) 1,2,4-Trichlorobenzene	15.365	180	243365	54.519	ug/l		98
94) Hexachlorobutadiene	15.476	225	87738	53.402	ug/l		100
95) Naphthalene	15.612	128	802609	56.013	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	236254	54.441	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

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

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

ICAL Form

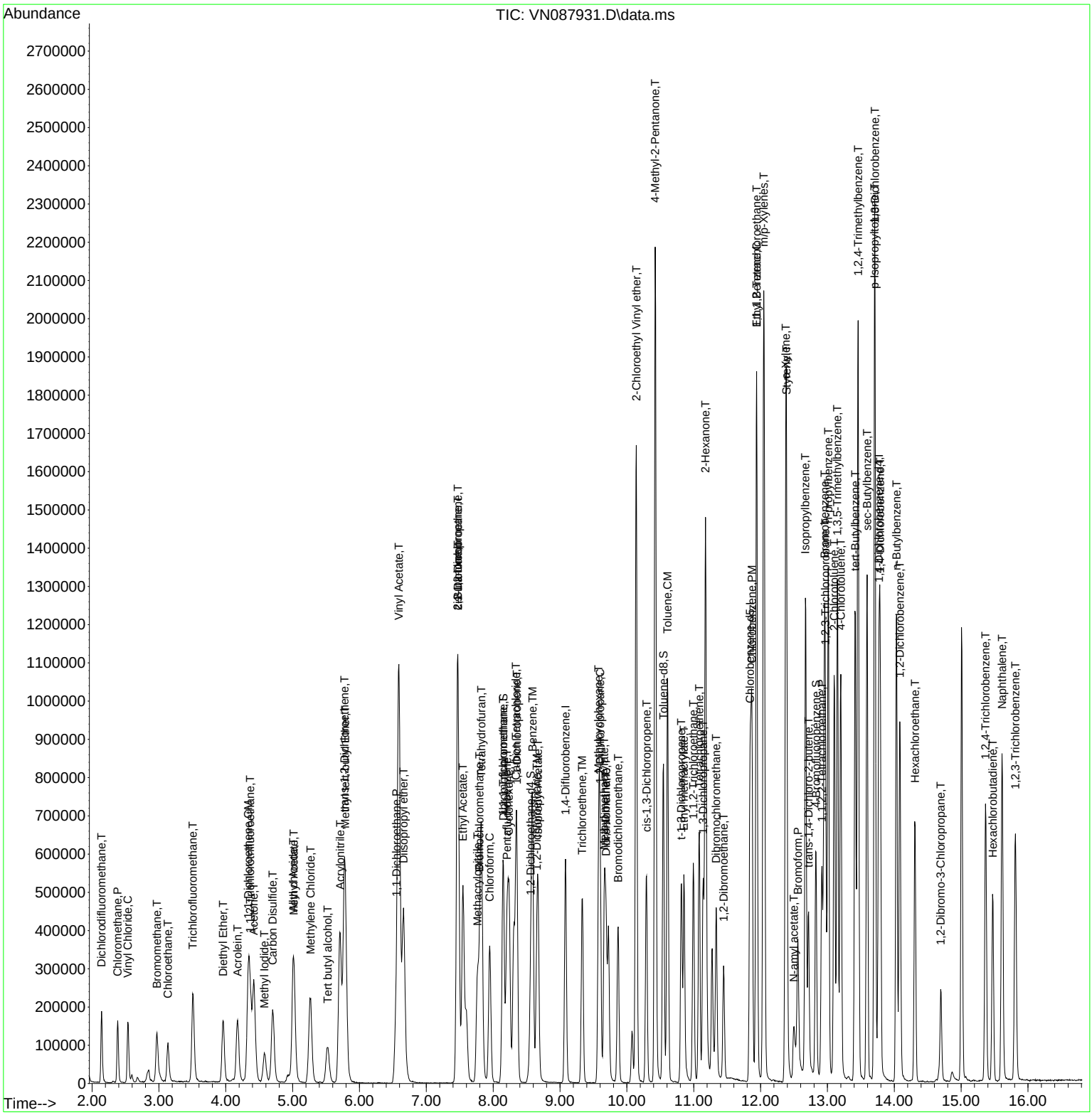
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Manual Integrations APPROVED

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	109	0.00
2	T	Dichlorodifluoromethane	0.579	0.585	-1.0	121	0.00
3	P	Chloromethane	0.593	0.581	2.0	119	0.00
4	C	Vinyl Chloride	0.605	0.596	1.5#	117	0.00
5	T	Bromomethane	0.375	0.409	-9.1	139	0.00
6	T	Chloroethane	0.393	0.391	0.5	120	0.00
7	T	Trichlorofluoromethane	0.985	0.958	2.7	118	0.00
8	T	Diethyl Ether	0.372	0.365	1.9	117	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.521	0.495	5.0	113	0.00
10	T	Methyl Iodide	0.468	0.544	-16.2	128	0.00
11	T	Tert butyl alcohol	0.121	0.131	-8.3	133	0.00
12	CM	1,1-Dichloroethene	0.525	0.531	-1.1#	123	0.00
13	T	Acrolein	0.156	0.154	1.3	140	0.00
14	T	Allyl chloride	0.855	0.861	-0.7	123	0.00
15	T	Acrylonitrile	0.380	0.381	-0.3	119	0.00
16	T	Acetone	0.346	0.344	0.6	126	0.00
17	T	Carbon Disulfide	1.641	1.592	3.0	117	0.00
18	T	Methyl Acetate	0.866	0.910	-5.1	122	0.00
19	T	Methyl tert-butyl Ether	2.052	2.142	-4.4	122	0.00
20	T	Methylene Chloride	0.701	0.669	4.6	117	0.00
21	T	trans-1,2-Dichloroethene	0.644	0.636	1.2	121	0.00
22	T	Diisopropyl ether	1.996	2.068	-3.6	123	0.00
23	T	Vinyl Acetate	1.681	1.748	-4.0	121	0.00
24	P	1,1-Dichloroethane	1.166	1.152	1.2	119	0.00
25	T	2-Butanone	0.529	0.553	-4.5	126	0.00
26	T	2,2-Dichloropropane	1.036	1.042	-0.6	122	0.00
27	T	cis-1,2-Dichloroethene	0.766	0.768	-0.3	121	0.00
28	T	Bromochloromethane	0.634	0.571	9.9	94	0.00
29	T	Tetrahydrofuran	0.339	0.348	-2.7	122	0.00
30	C	Chloroform	1.275	1.255	1.6#	119	0.00
31	T	Cyclohexane	0.944	0.900	4.7	118	0.00
32	T	1,1,1-Trichloroethane	1.077	1.077	0.0	122	0.00
33	S	1,2-Dichloroethane-d4	0.841	0.735	12.6	92	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	108	0.00
35	S	Dibromofluoromethane	0.363	0.315	13.2	91	0.00
36	T	1,1-Dichloropropene	0.437	0.451	-3.2	119	0.00
37	T	Ethyl Acetate	0.573	0.568	0.9	115	0.00
38	T	Carbon Tetrachloride	0.501	0.512	-2.2	120	0.00
39	T	Methylcyclohexane	0.482	0.512	-6.2	124	0.00
40	TM	Benzene	1.445	1.479	-2.4	118	0.00
41	T	Methacrylonitrile	0.296	0.306	-3.4	115	0.00
42	TM	1,2-Dichloroethane	0.539	0.537	0.4	120	0.00
43	T	Isopropyl Acetate	0.902	0.937	-3.9	121	0.00
44	TM	Trichloroethene	0.345	0.351	-1.7	120	0.00
45	C	1,2-Dichloropropane	0.362	0.367	-1.4#	119	0.00
46	T	Dibromomethane	0.286	0.291	-1.7	121	0.00
47	T	Bromodichloromethane	0.561	0.571	-1.8	118	0.00
48	T	Methyl methacrylate	0.418	0.445	-6.5	124	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	0.006	0.007	-16.7	138	0.00
50	S	Toluene-d8	1.277	1.143	10.5	91	0.00
51	T	4-Methyl-2-Pentanone	0.563	0.591	-5.0	119	0.00
52	CM	Toluene	0.907	0.920	-1.4#	117	0.00
53	T	t-1,3-Dichloropropene	0.574	0.600	-4.5	123	0.00
54	T	cis-1,3-Dichloropropene	0.596	0.611	-2.5	121	0.00
55	T	1,1,2-Trichloroethane	0.369	0.372	-0.8	119	0.00
56	T	Ethyl methacrylate	0.533	0.579	-8.6	122	0.00
57	T	1,3-Dichloropropane	0.607	0.633	-4.3	121	0.00
58	T	2-Chloroethyl Vinyl ether	0.251	0.296	-17.9	146	0.00
59	T	2-Hexanone	0.372	0.414	-11.3	121	0.00
60	T	Dibromochloromethane	0.434	0.453	-4.4	122	0.00
61	T	1,2-Dibromoethane	0.390	0.403	-3.3	120	0.00
62	S	4-Bromofluorobenzene	0.456	0.404	11.4	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
64	T	Tetrachloroethene	0.305	0.312	-2.3	115	0.00
65	PM	Chlorobenzene	1.064	1.110	-4.3	120	0.00
66	T	1,1,1,2-Tetrachloroethane	0.384	0.403	-4.9	119	0.00
67	C	Ethyl Benzene	1.775	1.889	-6.4#	121	0.00
68	T	m/p-Xylenes	0.679	0.736	-8.4	119	0.00
69	T	o-Xylene	0.652	0.709	-8.7	122	0.00
70	T	Styrene	1.120	1.243	-11.0	120	0.00
71	P	Bromoform	0.311	0.333	-7.1	120	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
73	T	Isopropylbenzene	3.099	3.479	-12.3	121	0.00
74	T	N-amyl acetate	1.021	1.135	-11.2	125	0.00
75	P	1,1,2,2-Tetrachloroethane	1.117	1.139	-2.0	113	0.00
76	T	1,2,3-Trichloropropane	0.986	1.074	-8.9	121	0.00
77	T	Bromobenzene	0.825	0.883	-7.0	120	0.00
78	T	n-propylbenzene	3.874	4.275	-10.4	120	0.00
79	T	2-Chlorotoluene	2.359	2.552	-8.2	119	0.00
80	T	1,3,5-Trimethylbenzene	2.680	3.033	-13.2	123	0.00
81	T	trans-1,4-Dichloro-2-butene	0.355	0.398	-12.1	126	0.00
82	T	4-Chlorotoluene	2.377	2.640	-11.1	120	0.00
83	T	tert-Butylbenzene	2.269	2.545	-12.2	120	0.00
84	T	1,2,4-Trimethylbenzene	2.749	3.078	-12.0	119	0.00
85	T	sec-Butylbenzene	3.326	3.693	-11.0	120	0.00
86	T	p-Isopropyltoluene	2.817	3.177	-12.8	121	0.00
87	T	1,3-Dichlorobenzene	1.609	1.702	-5.8	118	0.00
88	T	1,4-Dichlorobenzene	1.654	1.767	-6.8	122	0.00
89	T	n-Butylbenzene	2.662	2.947	-10.7	121	0.00
90	T	Hexachloroethane	0.588	0.608	-3.4	117	0.00
91	T	1,2-Dichlorobenzene	1.551	1.676	-8.1	120	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.259	0.266	-2.7	117	0.00
93	T	1,2,4-Trichlorobenzene	0.916	0.998	-9.0	123	0.00
94	T	Hexachlorobutadiene	0.337	0.360	-6.8	119	0.00
95	T	Naphthalene	2.939	3.293	-12.0	123	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	0.890	0.969	-8.9	120	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	109	0.00
2	T	Dichlorodifluoromethane	50.000	50.496	-1.0	121	0.00
3	P	Chloromethane	50.000	48.962	2.1	119	0.00
4	C	Vinyl Chloride	50.000	49.253	1.5#	117	0.00
5	T	Bromomethane	50.000	54.504	-9.0	139	0.00
6	T	Chloroethane	50.000	49.650	0.7	120	0.00
7	T	Trichlorofluoromethane	50.000	48.650	2.7	118	0.00
8	T	Diethyl Ether	50.000	49.015	2.0	117	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.535	4.9	113	0.00
10	T	Methyl Iodide	50.000	58.041	-16.1	128	0.00
11	T	Tert butyl alcohol	250.000	270.566	-8.2	133	0.00
12	CM	1,1-Dichloroethene	50.000	50.568	-1.1#	123	0.00
13	T	Acrolein	250.000	247.902	0.8	140	0.00
14	T	Allyl chloride	50.000	50.343	-0.7	123	0.00
15	T	Acrylonitrile	250.000	250.533	-0.2	119	0.00
16	T	Acetone	250.000	248.497	0.6	126	0.00
17	T	Carbon Disulfide	50.000	48.521	3.0	117	0.00
18	T	Methyl Acetate	50.000	52.501	-5.0	122	0.00
19	T	Methyl tert-butyl Ether	50.000	52.201	-4.4	122	0.00
20	T	Methylene Chloride	50.000	47.732	4.5	117	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.395	1.2	121	0.00
22	T	Diisopropyl ether	50.000	51.790	-3.6	123	0.00
23	T	Vinyl Acetate	250.000	259.965	-4.0	121	0.00
24	P	1,1-Dichloroethane	50.000	49.382	1.2	119	0.00
25	T	2-Butanone	250.000	261.219	-4.5	126	0.00
26	T	2,2-Dichloropropane	50.000	50.261	-0.5	122	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.099	-0.2	121	0.00
28	T	Bromochloromethane	50.000	45.070	9.9	94	0.00
29	T	Tetrahydrofuran	250.000	256.481	-2.6	122	0.00
30	C	Chloroform	50.000	49.224	1.6#	119	0.00
31	T	Cyclohexane	50.000	47.692	4.6	118	0.00
32	T	1,1,1-Trichloroethane	50.000	50.001	-0.0	122	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.678	12.6	92	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	108	0.00
35	S	Dibromofluoromethane	50.000	43.369	13.3	91	0.00
36	T	1,1-Dichloropropene	50.000	51.628	-3.3	119	0.00
37	T	Ethyl Acetate	50.000	49.529	0.9	115	0.00
38	T	Carbon Tetrachloride	50.000	51.149	-2.3	120	0.00
39	T	Methylcyclohexane	50.000	53.190	-6.4	124	0.00
40	TM	Benzene	50.000	51.160	-2.3	118	0.00
41	T	Methacrylonitrile	50.000	51.681	-3.4	115	0.00
42	TM	1,2-Dichloroethane	50.000	49.739	0.5	120	0.00
43	T	Isopropyl Acetate	50.000	51.950	-3.9	121	0.00
44	TM	Trichloroethene	50.000	50.817	-1.6	120	0.00
45	C	1,2-Dichloropropane	50.000	50.566	-1.1#	119	0.00
46	T	Dibromomethane	50.000	50.925	-1.8	121	0.00
47	T	Bromodichloromethane	50.000	50.858	-1.7	118	0.00
48	T	Methyl methacrylate	50.000	53.199	-6.4	124	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	1167.270	-16.7	138	0.00
50	S	Toluene-d8	50.000	44.774	10.5	91	0.00
51	T	4-Methyl-2-Pentanone	250.000	262.261	-4.9	119	0.00
52	CM	Toluene	50.000	50.722	-1.4#	117	0.00
53	T	t-1,3-Dichloropropene	50.000	52.296	-4.6	123	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.268	-2.5	121	0.00
55	T	1,1,2-Trichloroethane	50.000	50.476	-1.0	119	0.00
56	T	Ethyl methacrylate	50.000	54.367	-8.7	122	0.00
57	T	1,3-Dichloropropane	50.000	52.219	-4.4	121	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	295.766	-18.3	146	0.00
59	T	2-Hexanone	250.000	278.348	-11.3	121	0.00
60	T	Dibromochloromethane	50.000	52.185	-4.4	122	0.00
61	T	1,2-Dibromoethane	50.000	51.598	-3.2	120	0.00
62	S	4-Bromofluorobenzene	50.000	44.319	11.4	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	103	0.00
64	T	Tetrachloroethene	50.000	51.272	-2.5	115	0.00
65	PM	Chlorobenzene	50.000	52.168	-4.3	120	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.557	-5.1	119	0.00
67	C	Ethyl Benzene	50.000	53.183	-6.4#	121	0.00
68	T	m/p-Xylenes	100.000	108.396	-8.4	119	0.00
69	T	o-Xylene	50.000	54.342	-8.7	122	0.00
70	T	Styrene	50.000	55.451	-10.9	120	0.00
71	P	Bromoform	50.000	53.524	-7.0	120	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	97	0.00
73	T	Isopropylbenzene	50.000	56.136	-12.3	121	0.00
74	T	N-amyl acetate	50.000	55.590	-11.2	125	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.011	-2.0	113	0.00
76	T	1,2,3-Trichloropropane	50.000	54.509	-9.0	121	0.00
77	T	Bromobenzene	50.000	53.546	-7.1	120	0.00
78	T	n-propylbenzene	50.000	55.165	-10.3	120	0.00
79	T	2-Chlorotoluene	50.000	54.089	-8.2	119	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.572	-13.1	123	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	56.132	-12.3	126	0.00
82	T	4-Chlorotoluene	50.000	55.531	-11.1	120	0.00
83	T	tert-Butylbenzene	50.000	56.083	-12.2	120	0.00
84	T	1,2,4-Trimethylbenzene	50.000	55.971	-11.9	119	0.00
85	T	sec-Butylbenzene	50.000	55.512	-11.0	120	0.00
86	T	p-Isopropyltoluene	50.000	56.387	-12.8	121	0.00
87	T	1,3-Dichlorobenzene	50.000	52.877	-5.8	118	0.00
88	T	1,4-Dichlorobenzene	50.000	53.418	-6.8	122	0.00
89	T	n-Butylbenzene	50.000	55.337	-10.7	121	0.00
90	T	Hexachloroethane	50.000	51.641	-3.3	117	0.00
91	T	1,2-Dichlorobenzene	50.000	54.018	-8.0	120	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	51.268	-2.5	117	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.519	-9.0	123	0.00
94	T	Hexachlorobutadiene	50.000	53.402	-6.8	119	0.00
95	T	Naphthalene	50.000	56.013	-12.0	123	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	54.441	-8.9	120	0.00

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

Raw Data: **VN087961.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: ENTA05

Lab Code: ACE | SDG No.: Q3181

Instrument ID: MSVOA_N | Calibration Date/Time: 09/26/2025 12:53

Lab File ID: VN087961.D | Init. Calib. Date(s): 09/23/2025 09/23/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:33 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.605	0.665		9.92	20
1,1-Dichloroethene	0.525	0.594		13.14	20
2-Butanone	0.529	0.625		18.15	20
Carbon Tetrachloride	0.501	0.548		9.38	20
Chloroform	1.275	1.486		16.55	20
Benzene	1.445	1.615		11.77	20
1,2-Dichloroethane	0.539	0.589		9.28	20
Trichloroethene	0.345	0.368		6.67	20
Tetrachloroethene	0.305	0.323		5.9	20
Chlorobenzene	1.064	1.168	0.3	9.77	20
1,2-Dichloroethane-d4	0.841	0.878		4.4	20
Dibromofluoromethane	0.363	0.357		-1.65	20
Toluene-d8	1.277	1.268		-0.7	20
4-Bromofluorobenzene	0.456	0.454		-0.44	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\VN092625\
Data File : VN087961.D
Acq On : 26 Sep 2025 12:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 27 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	207820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	397459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	386821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	216102	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	182377	52.146	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.300%			
35) Dibromofluoromethane	8.147	113	141745	49.119	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.240%			
50) Toluene-d8	10.547	98	504088	49.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.340%			
62) 4-Bromofluorobenzene	12.829	95	180338	49.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	126695	52.642	ug/l	93
3) Chloromethane	2.383	50	132134	53.620	ug/l	98
4) Vinyl Chloride	2.536	62	138137	54.945	ug/l	99
5) Bromomethane	2.965	94	82884	53.178	ug/l	97
6) Chloroethane	3.130	64	95303	58.300	ug/l	96
7) Trichlorofluoromethane	3.501	101	226254	55.273	ug/l	98
8) Diethyl Ether	3.959	74	88069	56.949	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	123690	57.172	ug/l	99
10) Methyl Iodide	4.577	142	102525	52.654	ug/l	93
11) Tert butyl alcohol	5.530	59	152680	303.085	ug/l	100
12) 1,1-Dichloroethene	4.336	96	123402	56.529	ug/l	99
13) Acrolein	4.171	56	184339	285.192	ug/l	96
14) Allyl chloride	5.012	41	190296	53.545	ug/l	97
15) Acrylonitrile	5.706	53	469931	297.396	ug/l	100
16) Acetone	4.424	43	394050	273.835	ug/l	96
17) Carbon Disulfide	4.700	76	344242	50.471	ug/l	100
18) Methyl Acetate	5.018	43	232489	64.557	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	501451	58.804	ug/l	99
20) Methylene Chloride	5.259	84	163324	56.073	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	144799	54.108	ug/l	90
22) Diisopropyl ether	6.665	45	490307	59.099	ug/l	93
23) Vinyl Acetate	6.589	43	2212550	316.734	ug/l	99
24) 1,1-Dichloroethane	6.553	63	277560	57.264	ug/l	99
25) 2-Butanone	7.471	43	649052	295.096	ug/l	100
26) 2,2-Dichloropropane	7.471	77	217458	50.496	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	182492	57.312	ug/l	98
28) Bromochloromethane	7.800	49	128247	48.699	ug/l	97
29) Tetrahydrofuran	7.824	42	442430	314.149	ug/l	99
30) Chloroform	7.947	83	308791	58.265	ug/l	99
31) Cyclohexane	8.241	56	200621	51.154	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	254845	56.908	ug/l	98
36) 1,1-Dichloropropene	8.353	75	187870	54.142	ug/l	98
37) Ethyl Acetate	7.553	43	259696	56.993	ug/l	99
38) Carbon Tetrachloride	8.341	117	217769	54.691	ug/l	96
39) Methylcyclohexane	9.582	83	204808	53.504	ug/l	98
40) Benzene	8.588	78	641892	55.869	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087961.D
Acq On : 26 Sep 2025 12:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 27 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.771	41	131453	55.822	ug/l		96
42)	1,2-Dichloroethane	8.653	62	234098	54.599	ug/l		100
43)	Isopropyl Acetate	8.677	43	410048	57.170	ug/l		100
44)	Trichloroethene	9.335	130	146352	53.328	ug/l		95
45)	1,2-Dichloropropane	9.600	63	162526	56.414	ug/l		98
46)	Dibromomethane	9.688	93	127511	56.091	ug/l		97
47)	Bromodichloromethane	9.871	83	252153	56.552	ug/l		99
48)	Methyl methacrylate	9.665	41	190229	57.272	ug/l		97
49)	1,4-Dioxane	9.682	88	60239	1227.641	ug/l	#	83
51)	4-Methyl-2-Pentanone	10.424	43	1363130	304.570	ug/l		100
52)	Toluene	10.612	92	400894	55.604	ug/l		98
53)	t-1,3-Dichloropropene	10.818	75	246043	53.917	ug/l		99
54)	cis-1,3-Dichloropropene	10.288	75	253160	53.414	ug/l		97
55)	1,1,2-Trichloroethane	10.994	97	168341	57.424	ug/l		99
56)	Ethyl methacrylate	10.859	69	247981	58.542	ug/l		100
57)	1,3-Dichloropropane	11.141	76	277227	57.495	ug/l		100
58)	2-Chloroethyl Vinyl ether	10.141	63	688704	345.796	ug/l		98
59)	2-Hexanone	11.176	43	919188	310.603	ug/l		100
60)	Dibromochloromethane	11.335	129	197127	57.192	ug/l		98
61)	1,2-Dibromoethane	11.447	107	176168	56.765	ug/l		99
64)	Tetrachloroethene	11.082	164	125013	53.055	ug/l		98
65)	Chlorobenzene	11.871	112	451921	54.899	ug/l		96
66)	1,1,1,2-Tetrachloroethane	11.941	131	166522	56.096	ug/l		98
67)	Ethyl Benzene	11.941	91	757861	55.174	ug/l		100
68)	m/p-Xylenes	12.047	106	595665	113.389	ug/l		99
69)	o-Xylene	12.376	106	288582	57.178	ug/l		96
70)	Styrene	12.388	104	496620	57.292	ug/l		99
71)	Bromoform	12.559	173	134584	55.881	ug/l	#	99
73)	Isopropylbenzene	12.676	105	727632	54.327	ug/l		100
74)	N-amyl acetate	12.506	43	210413m	47.680	ug/l		
75)	1,1,2,2-Tetrachloroethane	12.918	83	258825	53.635	ug/l		99
76)	1,2,3-Trichloropropane	12.970	75	211479m	49.645	ug/l		
77)	Bromobenzene	12.959	156	192931	54.140	ug/l		96
78)	n-propylbenzene	13.012	91	891989	53.268	ug/l		99
79)	2-Chlorotoluene	13.106	91	536213	52.590	ug/l		99
80)	1,3,5-Trimethylbenzene	13.153	105	640192	55.261	ug/l		97
81)	trans-1,4-Dichloro-2-b...	12.718	75	79263	51.669	ug/l		98
82)	4-Chlorotoluene	13.200	91	565759	55.068	ug/l		99
83)	tert-Butylbenzene	13.418	119	535037	54.564	ug/l		98
84)	1,2,4-Trimethylbenzene	13.459	105	653277	54.977	ug/l		99
85)	sec-Butylbenzene	13.594	105	774838	53.896	ug/l		98
86)	p-Isopropyltoluene	13.706	119	661277	54.309	ug/l		99
87)	1,3-Dichlorobenzene	13.712	146	368749	53.027	ug/l		99
88)	1,4-Dichlorobenzene	13.788	146	377232	52.785	ug/l		97
89)	n-Butylbenzene	14.035	91	610647	53.067	ug/l		99
90)	Hexachloroethane	14.306	117	131337	51.637	ug/l		98
91)	1,2-Dichlorobenzene	14.082	146	366664	54.701	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.700	75	59757	53.293	ug/l		96
93)	1,2,4-Trichlorobenzene	15.370	180	207257	52.368	ug/l		99
94)	Hexachlorobutadiene	15.476	225	78098	53.613	ug/l		97
95)	Naphthalene	15.617	128	705052	55.497	ug/l		99
96)	1,2,3-Trichlorobenzene	15.811	180	204984	53.276	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087961.D
Acq On : 26 Sep 2025 12:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 27 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

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

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

Sample Results: **VN087961.D**

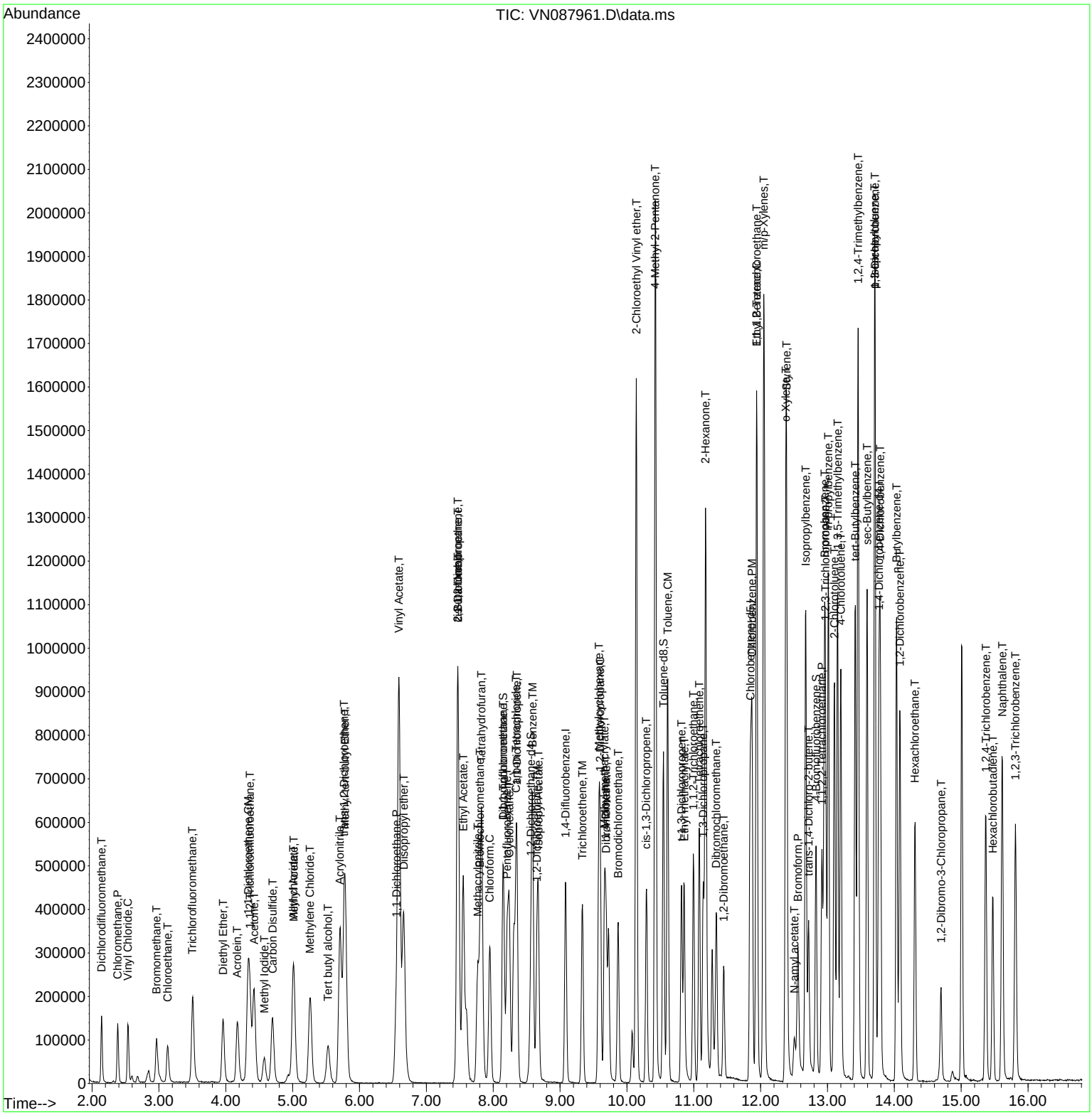
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087961.D
Acq On : 26 Sep 2025 12:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 27 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



Sample Results: **VN087961.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087961.D
Acq On : 26 Sep 2025 12:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 27 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	82	0.00
2	T	Dichlorodifluoromethane	0.579	0.610	-5.4	95	0.00
3	P	Chloromethane	0.593	0.636	-7.3	98	0.00
4	C	Vinyl Chloride	0.605	0.665	-9.9#	98	0.00
5	T	Bromomethane	0.375	0.399	-6.4	102	0.00
6	T	Chloroethane	0.393	0.459	-16.8	105	0.00
7	T	Trichlorofluoromethane	0.985	1.089	-10.6	101	-0.01
8	T	Diethyl Ether	0.372	0.424	-14.0	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.521	0.595	-14.2	102	-0.01
10	T	Methyl Iodide	0.468	0.493	-5.3	87	0.00
11	T	Tert butyl alcohol	0.121	0.147	-21.5	111	0.01
12	CM	1,1-Dichloroethene	0.525	0.594	-13.1#	103	0.00
13	T	Acrolein	0.156	0.177	-13.5	121	0.00
14	T	Allyl chloride	0.855	0.916	-7.1	98	0.00
15	T	Acrylonitrile	0.380	0.452	-18.9	106	0.00
16	T	Acetone	0.346	0.379	-9.5	104	0.00
17	T	Carbon Disulfide	1.641	1.656	-0.9	91	0.00
18	T	Methyl Acetate	0.866	1.119	-29.2#	112	0.00
19	T	Methyl tert-butyl Ether	2.052	2.413	-17.6	103	0.00
20	T	Methylene Chloride	0.701	0.786	-12.1	103	0.00
21	T	trans-1,2-Dichloroethene	0.644	0.697	-8.2	100	0.00
22	T	Diisopropyl ether	1.996	2.359	-18.2	105	0.00
23	T	Vinyl Acetate	1.681	2.129	-26.7#	111	0.00
24	P	1,1-Dichloroethane	1.166	1.336	-14.6	103	0.00
25	T	2-Butanone	0.529	0.625	-18.1	106	0.00
26	T	2,2-Dichloropropane	1.036	1.046	-1.0	92	0.00
27	T	cis-1,2-Dichloroethene	0.766	0.878	-14.6	104	0.00
28	T	Bromochloromethane	0.634	0.617	2.7	76	0.00
29	T	Tetrahydrofuran	0.339	0.426	-25.7#	112	0.00
30	C	Chloroform	1.275	1.486	-16.5#	106	0.00
31	T	Cyclohexane	0.944	0.965	-2.2	95	0.00
32	T	1,1,1-Trichloroethane	1.077	1.226	-13.8	104	0.00
33	S	1,2-Dichloroethane-d4	0.841	0.878	-4.4	82	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.363	0.357	1.7	83	0.00
36	T	1,1-Dichloropropene	0.437	0.473	-8.2	100	0.00
37	T	Ethyl Acetate	0.573	0.653	-14.0	106	0.00
38	T	Carbon Tetrachloride	0.501	0.548	-9.4	103	0.00
39	T	Methylcyclohexane	0.482	0.515	-6.8	100	0.00
40	TM	Benzene	1.445	1.615	-11.8	103	0.00
41	T	Methacrylonitrile	0.296	0.331	-11.8	99	0.00
42	TM	1,2-Dichloroethane	0.539	0.589	-9.3	105	0.00
43	T	Isopropyl Acetate	0.902	1.032	-14.4	107	0.00
44	TM	Trichloroethene	0.345	0.368	-6.7	101	0.00
45	C	1,2-Dichloropropane	0.362	0.409	-13.0#	106	0.00
46	T	Dibromomethane	0.286	0.321	-12.2	107	0.00
47	T	Bromodichloromethane	0.561	0.634	-13.0	105	0.00
48	T	Methyl methacrylate	0.418	0.479	-14.6	107	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087961.D
Acq On : 26 Sep 2025 12:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 27 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	0.006	0.008	-33.3#	116	0.00
50	S	Toluene-d8	1.277	1.268	0.7	81	0.00
51	T	4-Methyl-2-Pentanone	0.563	0.686	-21.8	110	0.00
52	CM	Toluene	0.907	1.009	-11.2#	103	0.00
53	T	t-1,3-Dichloropropene	0.574	0.619	-7.8	101	0.00
54	T	cis-1,3-Dichloropropene	0.596	0.637	-6.9	101	0.00
55	T	1,1,2-Trichloroethane	0.369	0.424	-14.9	108	0.00
56	T	Ethyl methacrylate	0.533	0.624	-17.1	105	0.00
57	T	1,3-Dichloropropane	0.607	0.697	-14.8	107	0.00
58	T	2-Chloroethyl Vinyl ether	0.251	0.347	-38.2#	137	0.00
59	T	2-Hexanone	0.372	0.463	-24.5	109	0.00
60	T	Dibromochloromethane	0.434	0.496	-14.3	107	0.00
61	T	1,2-Dibromoethane	0.390	0.443	-13.6	106	0.00
62	S	4-Bromofluorobenzene	0.456	0.454	0.4	82	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	85	0.00
64	T	Tetrachloroethene	0.305	0.323	-5.9	99	0.00
65	PM	Chlorobenzene	1.064	1.168	-9.8	105	0.00
66	T	1,1,1,2-Tetrachloroethane	0.384	0.430	-12.0	105	0.00
67	C	Ethyl Benzene	1.775	1.959	-10.4#	104	0.00
68	T	m/p-Xylenes	0.679	0.770	-13.4	103	0.00
69	T	o-Xylene	0.652	0.746	-14.4	106	0.00
70	T	Styrene	1.120	1.284	-14.6	103	0.00
71	P	Bromoform	0.311	0.348	-11.9	104	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73	T	Isopropylbenzene	3.099	3.367	-8.6	104	0.00
74	T	N-amyl acetate	1.021	0.974	4.6	95	0.00
75	P	1,1,2,2-Tetrachloroethane	1.117	1.198	-7.3	106	0.00
76	T	1,2,3-Trichloropropane	0.986	0.979	0.7	97	0.00
77	T	Bromobenzene	0.825	0.893	-8.2	108	0.00
78	T	n-propylbenzene	3.874	4.128	-6.6	103	0.00
79	T	2-Chlorotoluene	2.359	2.481	-5.2	103	0.00
80	T	1,3,5-Trimethylbenzene	2.680	2.962	-10.5	107	0.00
81	T	trans-1,4-Dichloro-2-butene	0.355	0.367	-3.4	103	0.00
82	T	4-Chlorotoluene	2.377	2.618	-10.1	105	0.00
83	T	tert-Butylbenzene	2.269	2.476	-9.1	104	0.00
84	T	1,2,4-Trimethylbenzene	2.749	3.023	-10.0	104	0.00
85	T	sec-Butylbenzene	3.326	3.586	-7.8	103	0.00
86	T	p-Isopropyltoluene	2.817	3.060	-8.6	103	0.00
87	T	1,3-Dichlorobenzene	1.609	1.706	-6.0	105	0.00
88	T	1,4-Dichlorobenzene	1.654	1.746	-5.6	107	0.00
89	T	n-Butylbenzene	2.662	2.826	-6.2	103	0.00
90	T	Hexachloroethane	0.588	0.608	-3.4	104	0.00
91	T	1,2-Dichlorobenzene	1.551	1.697	-9.4	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.259	0.277	-6.9	108	0.00
93	T	1,2,4-Trichlorobenzene	0.916	0.959	-4.7	105	0.00
94	T	Hexachlorobutadiene	0.337	0.361	-7.1	106	0.00
95	T	Naphthalene	2.939	3.263	-11.0	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087961.D
Acq On : 26 Sep 2025 12:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 27 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	0.890	0.949	-6.6	104	0.00

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

Sample Results: **VN087961.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087961.D
Acq On : 26 Sep 2025 12:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 27 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	82	0.00
2	T	Dichlorodifluoromethane	50.000	52.642	-5.3	95	0.00
3	P	Chloromethane	50.000	53.620	-7.2	98	0.00
4	C	Vinyl Chloride	50.000	54.945	-9.9#	98	0.00
5	T	Bromomethane	50.000	53.178	-6.4	102	0.00
6	T	Chloroethane	50.000	58.300	-16.6	105	0.00
7	T	Trichlorofluoromethane	50.000	55.273	-10.5	101	-0.01
8	T	Diethyl Ether	50.000	56.949	-13.9	102	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	57.172	-14.3	102	-0.01
10	T	Methyl Iodide	50.000	52.654	-5.3	87	0.00
11	T	Tert butyl alcohol	250.000	303.085	-21.2	111	0.01
12	CM	1,1-Dichloroethene	50.000	56.529	-13.1#	103	0.00
13	T	Acrolein	250.000	285.192	-14.1	121	0.00
14	T	Allyl chloride	50.000	53.545	-7.1	98	0.00
15	T	Acrylonitrile	250.000	297.396	-19.0	106	0.00
16	T	Acetone	250.000	273.835	-9.5	104	0.00
17	T	Carbon Disulfide	50.000	50.471	-0.9	91	0.00
18	T	Methyl Acetate	50.000	64.557	-29.1#	112	0.00
19	T	Methyl tert-butyl Ether	50.000	58.804	-17.6	103	0.00
20	T	Methylene Chloride	50.000	56.073	-12.1	103	0.00
21	T	trans-1,2-Dichloroethene	50.000	54.108	-8.2	100	0.00
22	T	Diisopropyl ether	50.000	59.099	-18.2	105	0.00
23	T	Vinyl Acetate	250.000	316.734	-26.7#	111	0.00
24	P	1,1-Dichloroethane	50.000	57.264	-14.5	103	0.00
25	T	2-Butanone	250.000	295.096	-18.0	106	0.00
26	T	2,2-Dichloropropane	50.000	50.496	-1.0	92	0.00
27	T	cis-1,2-Dichloroethene	50.000	57.312	-14.6	104	0.00
28	T	Bromochloromethane	50.000	48.699	2.6	76	0.00
29	T	Tetrahydrofuran	250.000	314.149	-25.7#	112	0.00
30	C	Chloroform	50.000	58.265	-16.5#	106	0.00
31	T	Cyclohexane	50.000	51.154	-2.3	95	0.00
32	T	1,1,1-Trichloroethane	50.000	56.908	-13.8	104	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.146	-4.3	82	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	49.119	1.8	83	0.00
36	T	1,1-Dichloropropene	50.000	54.142	-8.3	100	0.00
37	T	Ethyl Acetate	50.000	56.993	-14.0	106	0.00
38	T	Carbon Tetrachloride	50.000	54.691	-9.4	103	0.00
39	T	Methylcyclohexane	50.000	53.504	-7.0	100	0.00
40	TM	Benzene	50.000	55.869	-11.7	103	0.00
41	T	Methacrylonitrile	50.000	55.822	-11.6	99	0.00
42	TM	1,2-Dichloroethane	50.000	54.599	-9.2	105	0.00
43	T	Isopropyl Acetate	50.000	57.170	-14.3	107	0.00
44	TM	Trichloroethene	50.000	53.328	-6.7	101	0.00
45	C	1,2-Dichloropropane	50.000	56.414	-12.8#	106	0.00
46	T	Dibromomethane	50.000	56.091	-12.2	107	0.00
47	T	Bromodichloromethane	50.000	56.552	-13.1	105	0.00
48	T	Methyl methacrylate	50.000	57.272	-14.5	107	0.00

Sample Results: **VN087961.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087961.D
Acq On : 26 Sep 2025 12:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 27 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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	1227.641	-22.8	116	0.00
50	S	Toluene-d8	50.000	49.673	0.7	81	0.00
51	T	4-Methyl-2-Pentanone	250.000	304.570	-21.8	110	0.00
52	CM	Toluene	50.000	55.604	-11.2#	103	0.00
53	T	t-1,3-Dichloropropene	50.000	53.917	-7.8	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.414	-6.8	101	0.00
55	T	1,1,2-Trichloroethane	50.000	57.424	-14.8	108	0.00
56	T	Ethyl methacrylate	50.000	58.542	-17.1	105	0.00
57	T	1,3-Dichloropropane	50.000	57.495	-15.0	107	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	345.796	-38.3#	137	0.00
59	T	2-Hexanone	250.000	310.603	-24.2	109	0.00
60	T	Dibromochloromethane	50.000	57.192	-14.4	107	0.00
61	T	1,2-Dibromoethane	50.000	56.765	-13.5	106	0.00
62	S	4-Bromofluorobenzene	50.000	49.715	0.6	82	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	85	0.00
64	T	Tetrachloroethene	50.000	53.055	-6.1	99	0.00
65	PM	Chlorobenzene	50.000	54.899	-9.8	105	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	56.096	-12.2	105	0.00
67	C	Ethyl Benzene	50.000	55.174	-10.3#	104	0.00
68	T	m/p-Xylenes	100.000	113.389	-13.4	103	0.00
69	T	o-Xylene	50.000	57.178	-14.4	106	0.00
70	T	Styrene	50.000	57.292	-14.6	103	0.00
71	P	Bromoform	50.000	55.881	-11.8	104	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73	T	Isopropylbenzene	50.000	54.327	-8.7	104	0.00
74	T	N-amyl acetate	50.000	47.680	4.6	95	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.635	-7.3	106	0.00
76	T	1,2,3-Trichloropropane	50.000	49.645	0.7	97	0.00
77	T	Bromobenzene	50.000	54.140	-8.3	108	0.00
78	T	n-propylbenzene	50.000	53.268	-6.5	103	0.00
79	T	2-Chlorotoluene	50.000	52.590	-5.2	103	0.00
80	T	1,3,5-Trimethylbenzene	50.000	55.261	-10.5	107	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	51.669	-3.3	103	0.00
82	T	4-Chlorotoluene	50.000	55.068	-10.1	105	0.00
83	T	tert-Butylbenzene	50.000	54.564	-9.1	104	0.00
84	T	1,2,4-Trimethylbenzene	50.000	54.977	-10.0	104	0.00
85	T	sec-Butylbenzene	50.000	53.896	-7.8	103	0.00
86	T	p-Isopropyltoluene	50.000	54.309	-8.6	103	0.00
87	T	1,3-Dichlorobenzene	50.000	53.027	-6.1	105	0.00
88	T	1,4-Dichlorobenzene	50.000	52.785	-5.6	107	0.00
89	T	n-Butylbenzene	50.000	53.067	-6.1	103	0.00
90	T	Hexachloroethane	50.000	51.637	-3.3	104	0.00
91	T	1,2-Dichlorobenzene	50.000	54.701	-9.4	108	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.293	-6.6	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	52.368	-4.7	105	0.00
94	T	Hexachlorobutadiene	50.000	53.613	-7.2	106	0.00
95	T	Naphthalene	50.000	55.497	-11.0	108	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087961.D
Acq On : 26 Sep 2025 12:53
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 27 01:22:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	53.276	-6.6	104	0.00

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

QC SAMPLE DATA

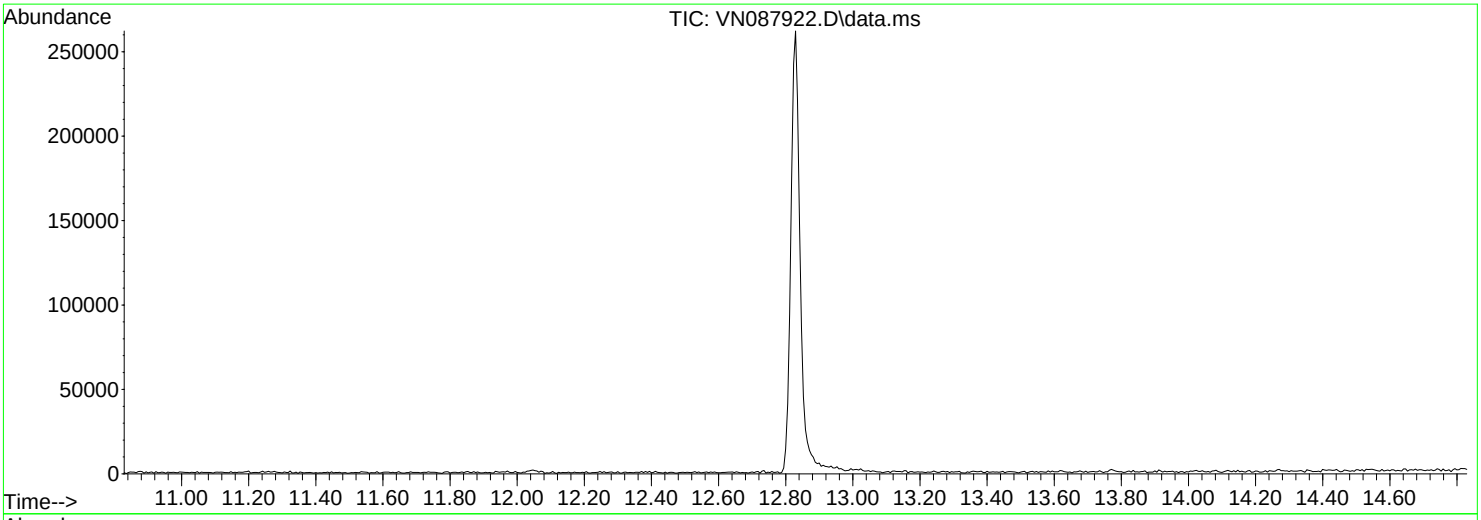
Sample Results: **VN087922.D**

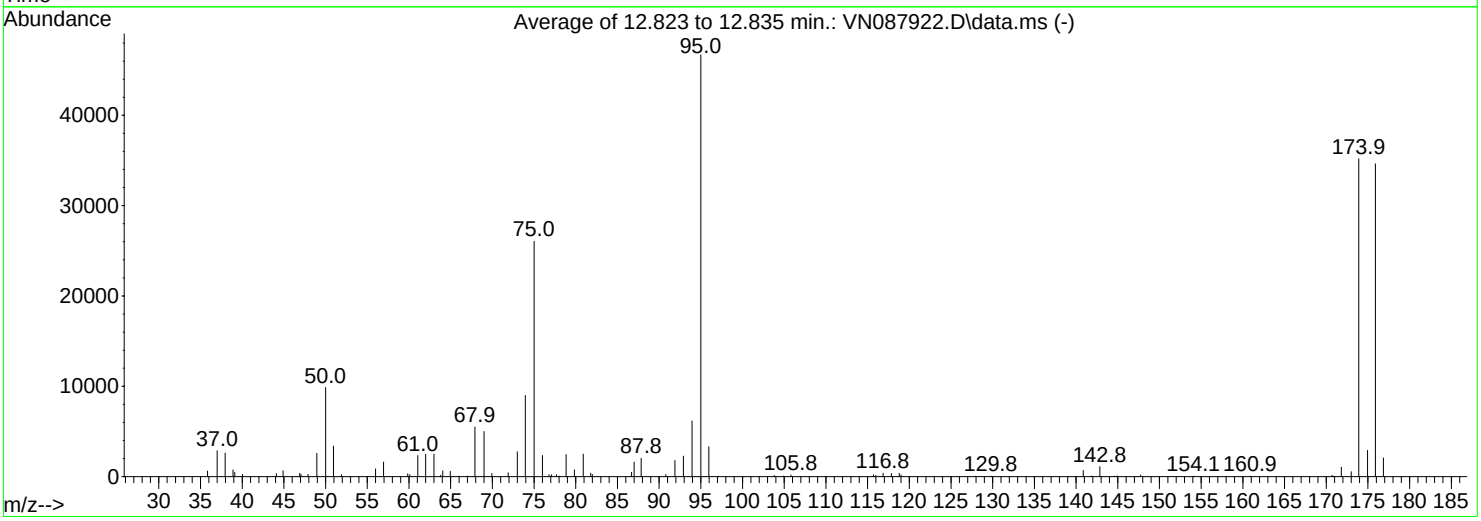
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087922.D
Acq On : 23 Sep 2025 08:31
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260
Last Update : Wed Sep 24 05:05:30 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	21.1	9874	PASS
75	95	30	60	55.8	26056	PASS
95	95	100	100	100.0	46688	PASS
96	95	5	9	7.1	3306	PASS
173	174	0.00	2	1.6	554	PASS
174	95	50	100	75.3	35176	PASS
175	174	5	9	8.3	2908	PASS
176	174	95	101	98.4	34627	PASS
177	176	5	9	6.0	2077	PASS

Average of 12.823 to 12.835 min.: VN087922.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.85	625	48.95	2588	63.80	152	75.00	2605
37.00	2871	50.00	9874	64.05	645	76.00	233
37.95	2605	50.95	3389	64.95	588	76.80	22
38.90	742	51.90	213	66.00	61	77.10	20
39.10	485	56.00	853	67.00	79	77.70	218
40.05	250	56.95	1606	67.90	5482	78.00	70
44.10	330	59.85	316	69.00	5001	78.85	2440
44.90	658	60.10	236	69.95	346	79.85	751
46.90	367	61.05	2344	71.90	433	80.90	2498
47.05	246	62.00	2480	73.00	2738	81.80	389
47.90	253	63.00	2501	73.95	8981	82.00	222

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN087922.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.70	487	104.90	74	141.90	65	173.90	35176
87.00	1618	105.80	183	142.85	1122	174.95	2908
87.85	2037	115.70	188	144.60	61	175.90	34627
90.80	228	116.00	127	144.90	85	176.85	2077
91.90	1791	116.85	389	147.75	172		
92.90	2267	117.85	359	154.10	52		
93.95	6190	118.80	369	160.90	59		
95.00	46688	119.00	193	170.70	137		
95.95	3306	127.90	51	170.90	58		
97.10	61	129.80	57	171.80	1053		
103.80	124	140.85	699	173.00	554		

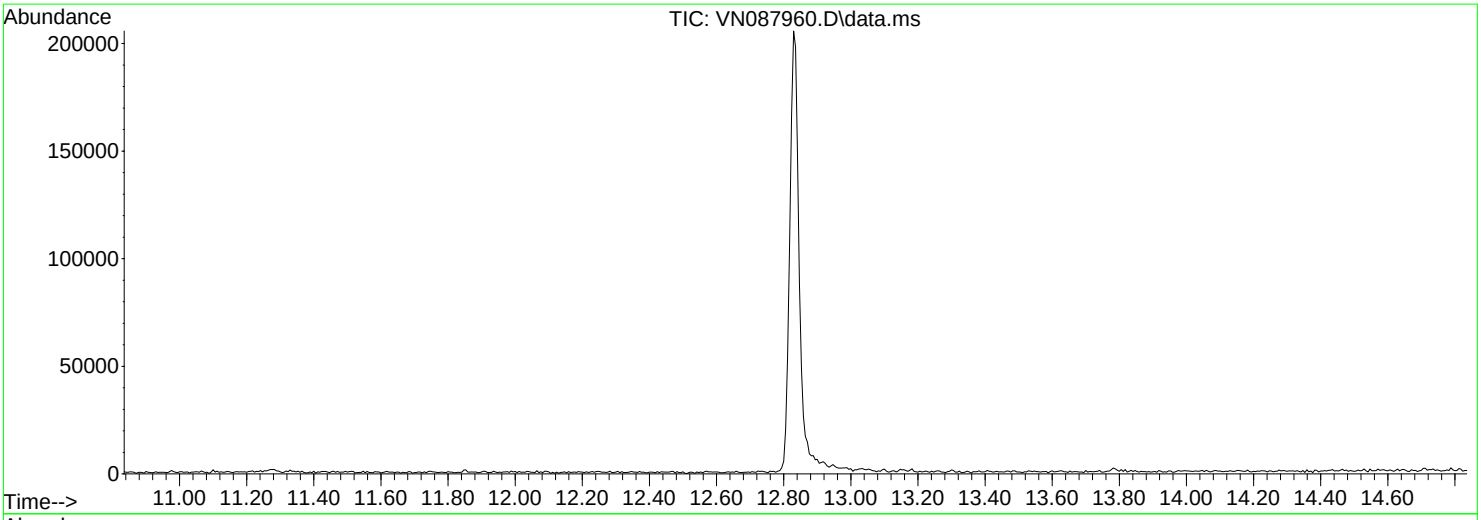
Sample Results: **VN087960.D**

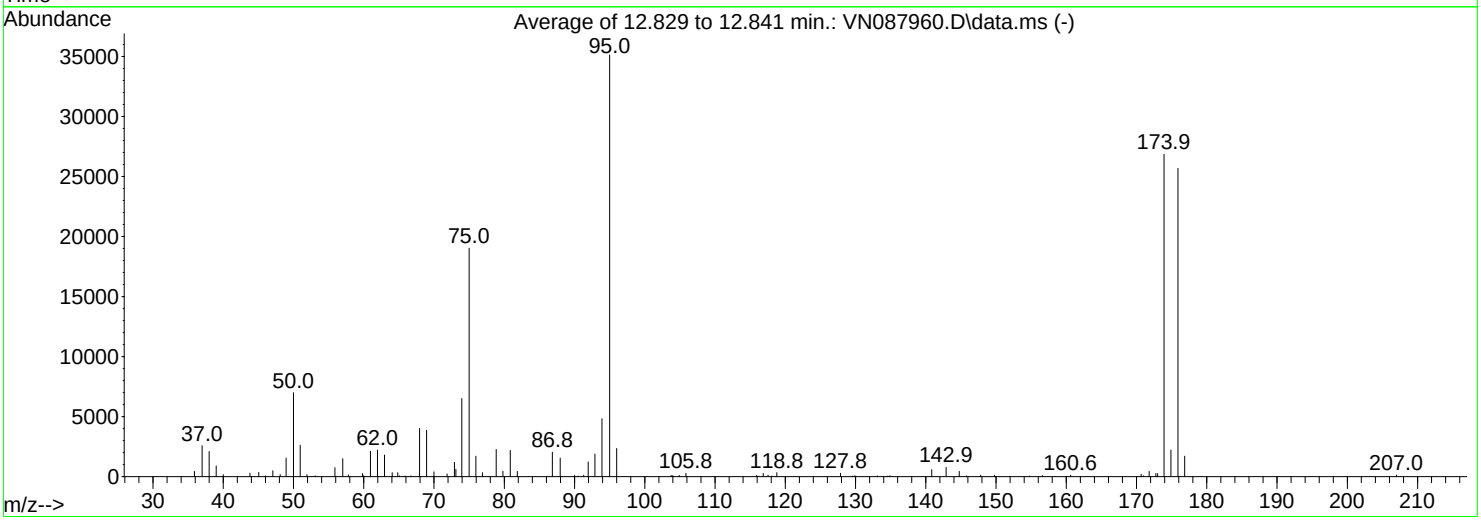
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087960.D
Acq On : 26 Sep 2025 12:11
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260
Last Update : Wed Sep 24 05:05:30 2025





AutoFind: Scans 1849, 1850, 1851; 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	19.9	6994	PASS
75	95	30	60	54.2	19030	PASS
95	95	100	100	100.0	35133	PASS
96	95	5	9	6.7	2347	PASS
173	174	0.00	2	1.0	269	PASS
174	95	50	100	76.4	26859	PASS
175	174	5	9	8.3	2218	PASS
176	174	95	101	95.6	25677	PASS
177	176	5	9	6.6	1703	PASS

Average of 12.829 to 12.841 min.: VN087960.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	446	50.00	6994	62.95	1803	73.10	61
37.00	2568	50.95	2609	64.05	338	73.95	651
38.00	2098	51.90	166	64.85	329	75.00	1903
39.00	897	53.10	66	65.10	64	75.95	170
40.00	171	55.90	751	65.90	56	76.90	329
43.80	290	57.00	1498	66.70	62	78.85	2272
45.05	354	57.80	151	67.95	4015	79.80	452
46.00	59	59.80	271	68.95	3869	80.85	2191
47.05	494	60.00	87	70.00	400	81.85	446
48.10	175	60.95	2116	71.85	222	86.85	2037
48.95	1550	61.95	2219	72.90	1198	87.95	1546

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.829 to 12.841 min.: VN087960.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
90.00	105	105.85	283	134.60	52	170.65	205
90.50	53	115.90	100	134.90	80	171.00	66
91.30	122	116.10	54	140.85	584	171.80	439
91.95	1232	116.85	263	142.90	776	172.75	269
92.90	1883	117.55	133	144.75	444	173.00	258
93.90	4830	118.10	51	145.80	68	173.90	26859
95.00	35133	118.80	331	147.80	121	174.90	2218
96.00	2347	127.85	284	149.80	115	175.90	25677
103.75	109	129.60	59	154.80	54	176.85	1703
104.00	99	129.90	78	156.60	76	207.00	136
104.90	104	133.10	66	160.60	126		

Raw Data: **VN087963.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0926WBL01	SDG No.:	Q3181
Lab Sample ID:	VN0926WBL01	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
VN087963.D	1	09/26/25 13:49	VN092625

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	0.00098	U	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	58.4		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.6		70 (77) - 130 (121)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	239000	8.206			
540-36-3	1,4-Difluorobenzene	535000	9.082			
3114-55-4	Chlorobenzene-d5	508000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	234000	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\VN092625\
Data File : VN087963.D
Acq On : 26 Sep 2025 13:49
Operator : JC\MD
Sample : VN0926WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

Quant Time: Sep 27 01:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	239293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	535067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	507778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	235234	58.412	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.820%			
35) Dibromofluoromethane	8.153	113	195893	50.424	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.840%			
50) Toluene-d8	10.547	98	687185	50.300	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.600%			
62) 4-Bromofluorobenzene	12.829	95	217679	44.576	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.160%			

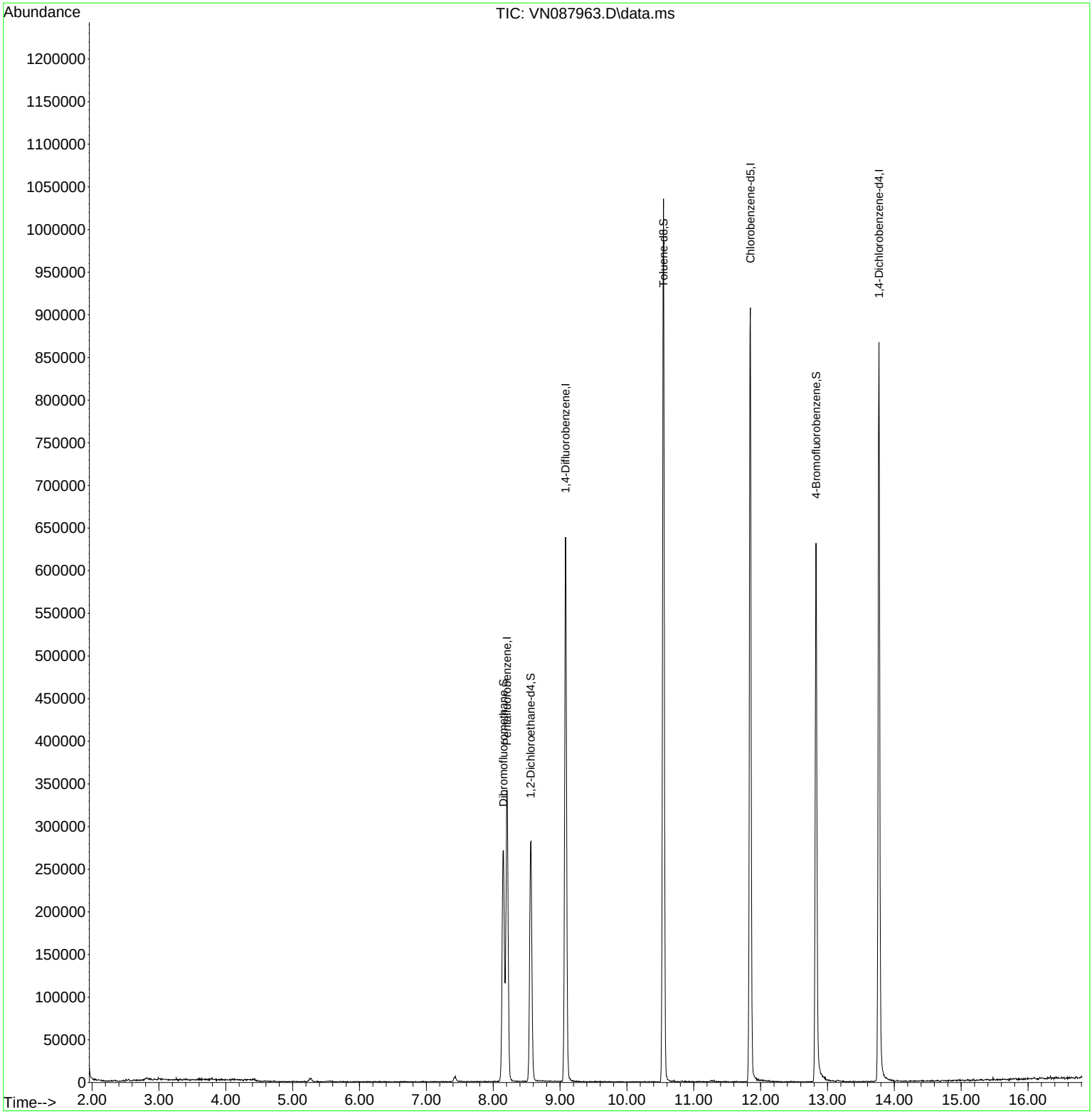
Target Compounds Qvalue

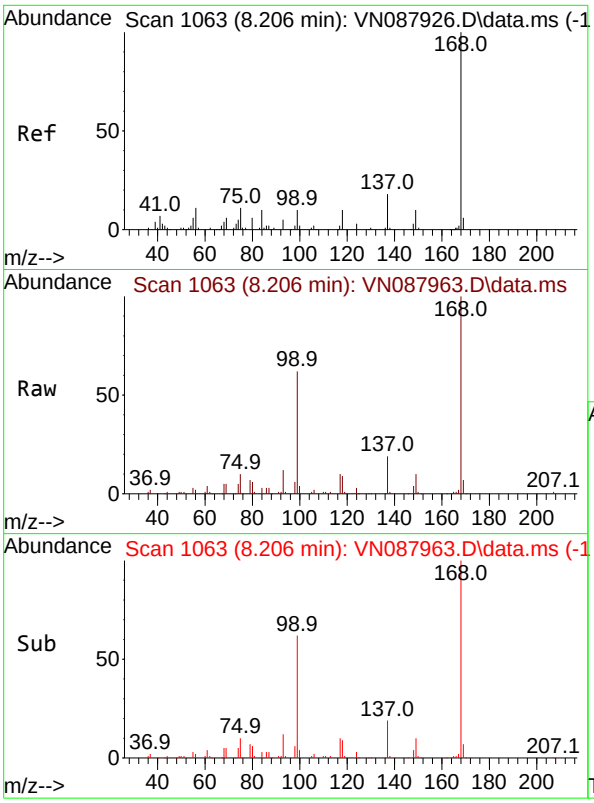
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087963.D
Acq On : 26 Sep 2025 13:49
Operator : JC\MD
Sample : VN0926WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

Quant Time: Sep 27 01:24:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



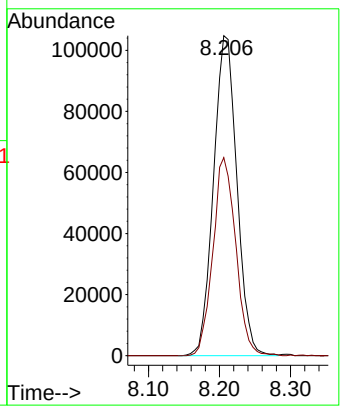


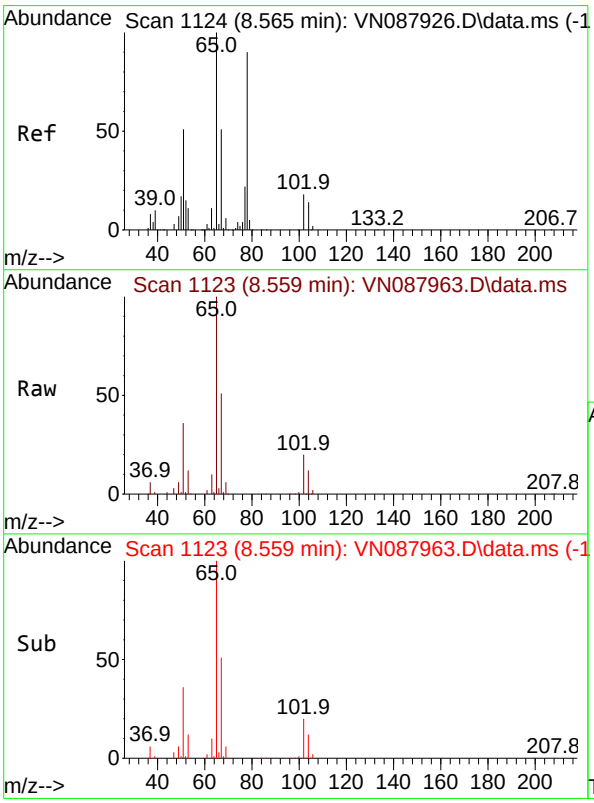
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

Tgt Ion:168 Resp: 239293

Ion	Ratio	Lower	Upper
168	100		
99	61.9	52.2	78.2

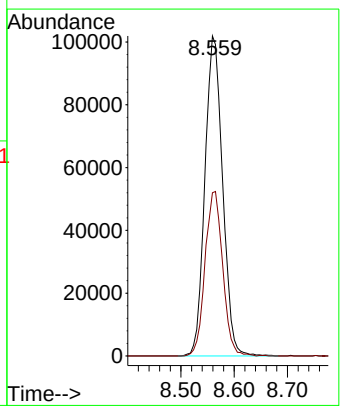


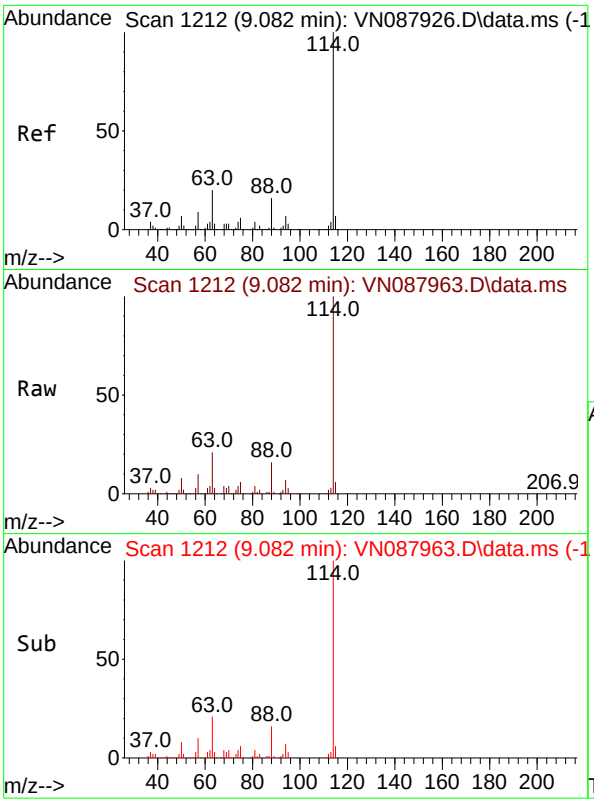


#33
1,2-Dichloroethane-d4
Concen: 58.412 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Tgt Ion: 65 Resp: 235234

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.4



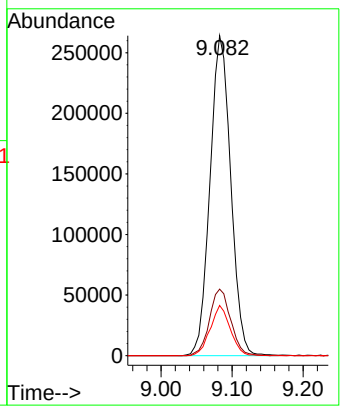


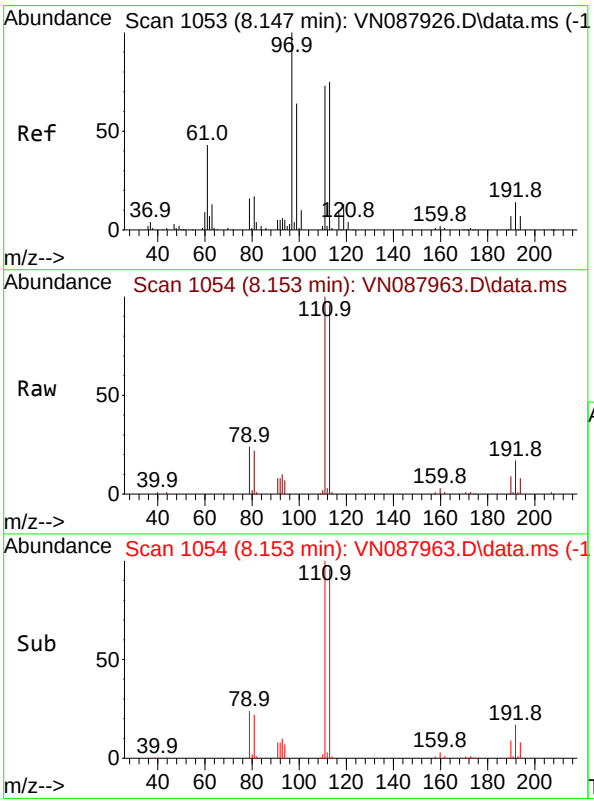
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

Tgt Ion:114 Resp: 535067

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.0
88	15.7	0.0	31.8

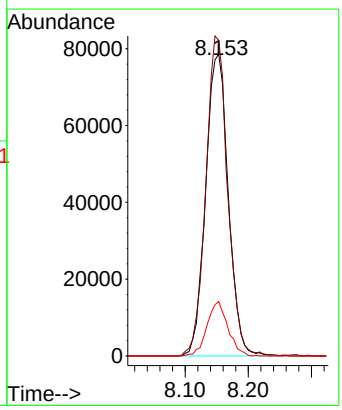


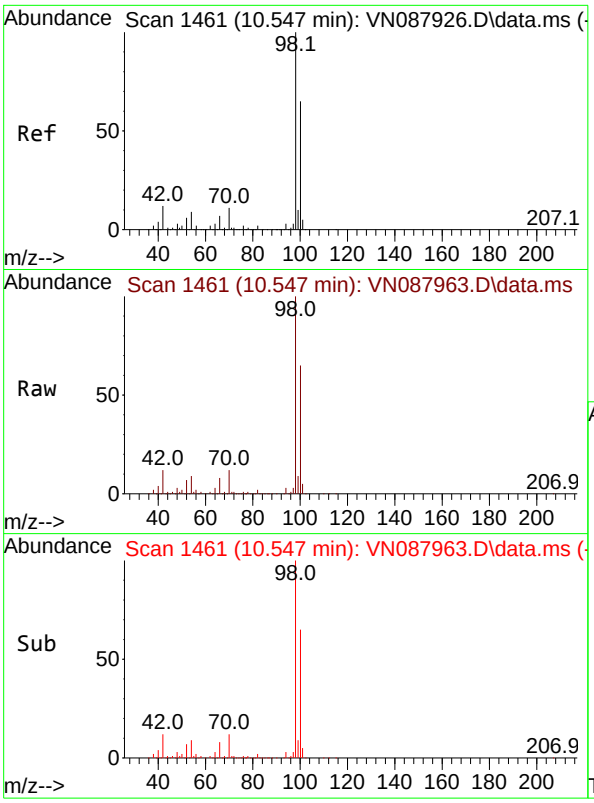


#35
Dibromofluoromethane
Concen: 50.424 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Tgt Ion:113 Resp: 195893

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.2	123.2
192	16.6	14.2	21.2



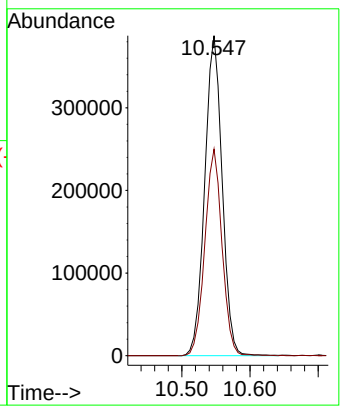


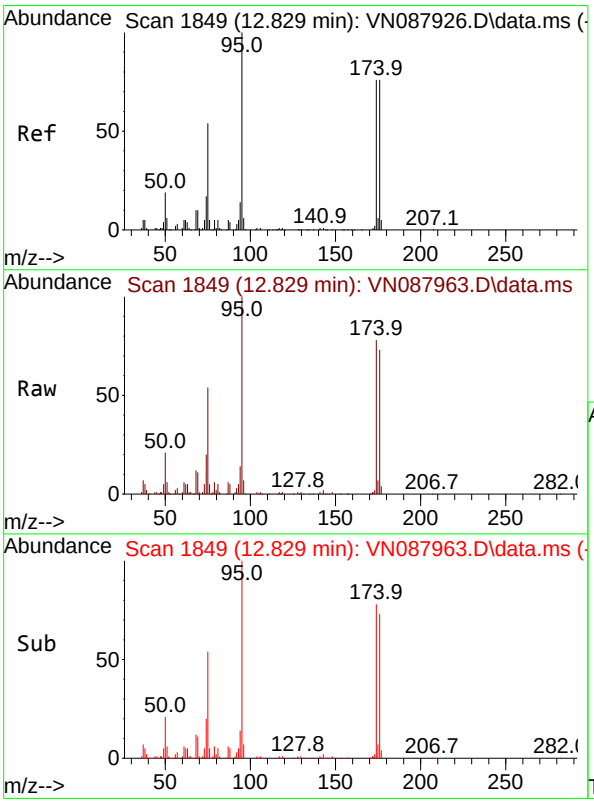
#50
Toluene-d8
Concen: 50.300 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

Tgt Ion: 98 Resp: 687185

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.7	77.5

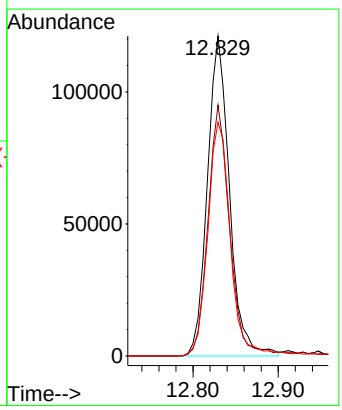


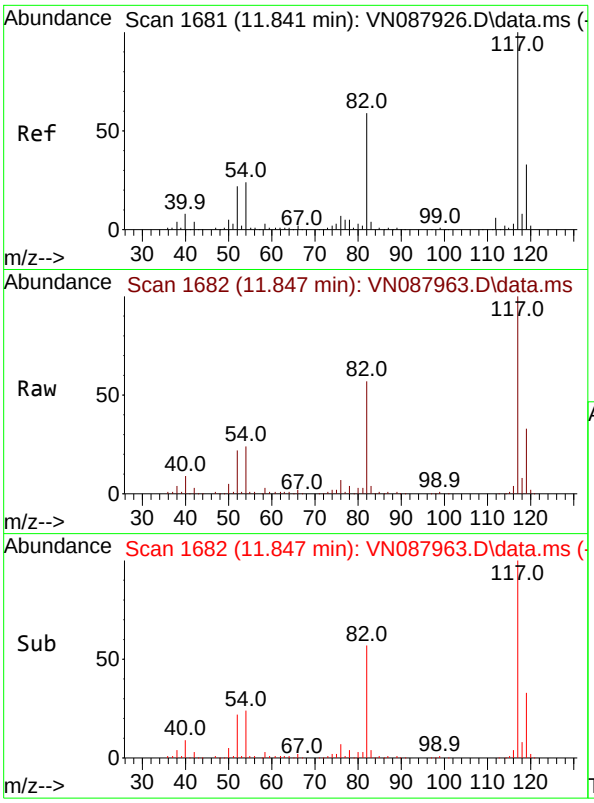


#62
4-Bromofluorobenzene
Concen: 44.576 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Tgt Ion: 95 Resp: 217679

Ion	Ratio	Lower	Upper
95	100		
174	77.2	0.0	159.2
176	74.7	0.0	152.6



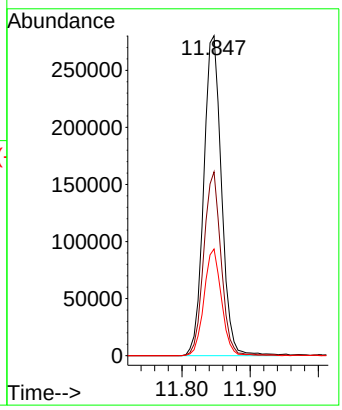


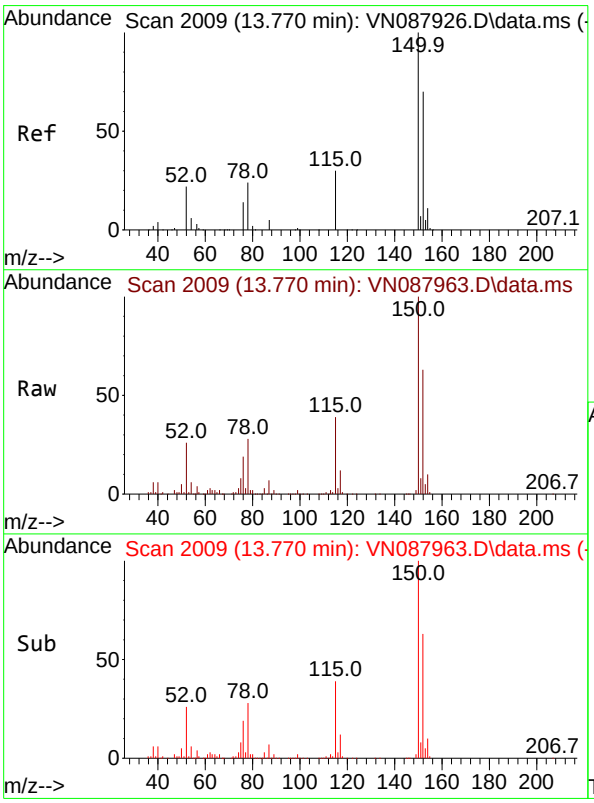
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

Tgt Ion:117 Resp: 507778

Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.0	70.4
119	33.4	26.1	39.1

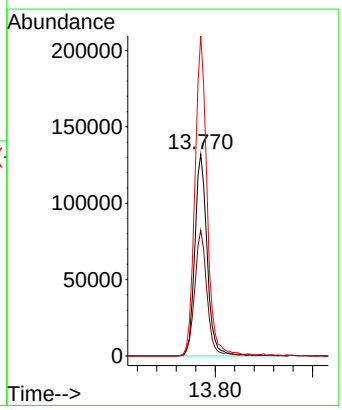




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Tgt Ion:152 Resp: 233948

Ion	Ratio	Lower	Upper
152	100		
115	62.1	29.9	89.7
150	155.6	0.0	335.0



Raw Data: **VN087964.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0926WBS01	SDG No.:	Q3181
Lab Sample ID:	VN0926WBS01	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
VN087964.D	1	09/26/25 14:10	VN092625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.021		0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.022		0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.11		0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.020		0.00025	0.0050	mg/L
67-66-3	Chloroform	0.023		0.00025	0.0050	mg/L
71-43-2	Benzene	0.021		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.021		0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.021		0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.020		0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.021		0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		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	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	204000	8.206			
540-36-3	1,4-Difluorobenzene	390000	9.082			
3114-55-4	Chlorobenzene-d5	380000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	205000	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\VN092625\
Data File : VN087964.D
Acq On : 26 Sep 2025 14:10
Operator : JC\MD
Sample : VN0926WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 01:24:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	204106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	390365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	380422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	204880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	184028	53.575	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.160%			
35) Dibromofluoromethane	8.153	113	143451	50.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.220%			
50) Toluene-d8	10.547	98	505053	50.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.340%			
62) 4-Bromofluorobenzene	12.829	95	179803	50.469	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	47868	20.251	ug/l	97
3) Chloromethane	2.383	50	49560	20.477	ug/l	95
4) Vinyl Chloride	2.536	62	50918	20.621	ug/l	99
5) Bromomethane	2.983	94	36004	23.520	ug/l	87
6) Chloroethane	3.136	64	35995	22.420	ug/l	93
7) Trichlorofluoromethane	3.518	101	85814	21.345	ug/l	98
8) Diethyl Ether	3.959	74	35345	23.272	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.359	101	45640	21.479	ug/l	99
10) Methyl Iodide	4.583	142	37214	19.460	ug/l	96
11) Tert butyl alcohol	5.524	59	56538	114.276	ug/l #	91
12) 1,1-Dichloroethene	4.342	96	47675	22.237	ug/l	93
13) Acrolein	4.177	56	62757	98.858	ug/l	100
14) Allyl chloride	5.024	41	69926	20.034	ug/l	97
15) Acrylonitrile	5.712	53	175169	112.873	ug/l	99
16) Acetone	4.424	43	153136	108.354	ug/l	97
17) Carbon Disulfide	4.706	76	135878	20.284	ug/l	97
18) Methyl Acetate	5.018	43	85328	24.125	ug/l	97
19) Methyl tert-butyl Ether	5.788	73	178746	21.342	ug/l	95
20) Methylene Chloride	5.271	84	62376	21.805	ug/l #	96
21) trans-1,2-Dichloroethene	5.771	96	55383	21.072	ug/l	86
22) Diisopropyl ether	6.659	45	177783	21.819	ug/l	97
23) Vinyl Acetate	6.594	43	798561	116.397	ug/l	98
24) 1,1-Dichloroethane	6.553	63	108298	22.750	ug/l	97
25) 2-Butanone	7.471	43	243808	112.866	ug/l	98
26) 2,2-Dichloropropane	7.471	77	91038	21.525	ug/l	97
27) cis-1,2-Dichloroethene	7.477	96	66730	21.338	ug/l	98
28) Bromochloromethane	7.794	49	50750	19.622	ug/l	97
29) Tetrahydrofuran	7.830	42	159441	115.272	ug/l	98
30) Chloroform	7.947	83	118071	22.684	ug/l	98
31) Cyclohexane	8.241	56	77752	20.186	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	97233	22.108	ug/l	98
36) 1,1-Dichloropropene	8.353	75	72390	21.241	ug/l	97
37) Ethyl Acetate	7.553	43	93316	20.851	ug/l	99
38) Carbon Tetrachloride	8.347	117	79622	20.360	ug/l	94
39) Methylcyclohexane	9.582	83	70925	18.865	ug/l	95
40) Benzene	8.588	78	238390	21.126	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087964.D
Acq On : 26 Sep 2025 14:10
Operator : JC\MD
Sample : VN0926WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 01:24:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	46132	19.946	ug/l		93
42) 1,2-Dichloroethane	8.653	62	89845	21.336	ug/l		99
43) Isopropyl Acetate	8.677	43	148784	21.121	ug/l		98
44) Trichloroethene	9.329	130	55458	20.575	ug/l		100
45) 1,2-Dichloropropane	9.600	63	58925	20.825	ug/l		97
46) Dibromomethane	9.688	93	48120	21.552	ug/l		94
47) Bromodichloromethane	9.871	83	95945	21.909	ug/l		97
48) Methyl methacrylate	9.665	41	64436	19.752	ug/l		96
49) 1,4-Dioxane	9.682	88	21390	443.839	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.423	43	499138	113.551	ug/l		97
52) Toluene	10.606	92	149775	21.151	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	90076	20.098	ug/l		98
54) cis-1,3-Dichloropropene	10.288	75	96261	20.679	ug/l		99
55) 1,1,2-Trichloroethane	11.000	97	63911	22.197	ug/l		88
56) Ethyl methacrylate	10.859	69	81427	19.572	ug/l		96
57) 1,3-Dichloropropane	11.141	76	101601	21.454	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	233475	119.357	ug/l		99
59) 2-Hexanone	11.176	43	321097	110.474	ug/l		99
60) Dibromochloromethane	11.341	129	73246	21.637	ug/l		96
61) 1,2-Dibromoethane	11.447	107	63903	20.965	ug/l		99
64) Tetrachloroethene	11.082	164	45338	19.565	ug/l		96
65) Chlorobenzene	11.870	112	168274	20.786	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.935	131	60772	20.816	ug/l		97
67) Ethyl Benzene	11.941	91	264322	19.567	ug/l		97
68) m/p-Xylenes	12.053	106	208415	40.341	ug/l		100
69) o-Xylene	12.376	106	98060	19.756	ug/l		98
70) Styrene	12.394	104	173798	20.387	ug/l		98
71) Bromoform	12.559	173	48130	20.320	ug/l	#	99
73) Isopropylbenzene	12.676	105	247999	19.531	ug/l		100
74) N-amyl acetate	12.682	43	71796m	17.160	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	97879	21.394	ug/l		98
76) 1,2,3-Trichloropropane	12.976	75	82290m	20.376	ug/l		
77) Bromobenzene	12.959	156	70335	20.818	ug/l		95
78) n-propylbenzene	13.012	91	315729	19.887	ug/l		100
79) 2-Chlorotoluene	13.106	91	194431	20.114	ug/l		98
80) 1,3,5-Trimethylbenzene	13.153	105	219471	19.982	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.717	75	27804	19.117	ug/l		93
82) 4-Chlorotoluene	13.200	91	204059	20.950	ug/l		99
83) tert-Butylbenzene	13.417	119	179562	19.315	ug/l		94
84) 1,2,4-Trimethylbenzene	13.459	105	225007	19.973	ug/l		99
85) sec-Butylbenzene	13.594	105	270991	19.882	ug/l		100
86) p-Isopropyltoluene	13.706	119	225612	19.544	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	134625	20.420	ug/l		97
88) 1,4-Dichlorobenzene	13.788	146	140110	20.679	ug/l		97
89) n-Butylbenzene	14.035	91	208092	19.074	ug/l		99
90) Hexachloroethane	14.311	117	46530	19.296	ug/l		99
91) 1,2-Dichlorobenzene	14.082	146	128188	20.171	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	21681	20.395	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	71696	19.108	ug/l		99
94) Hexachlorobutadiene	15.476	225	27257	19.737	ug/l		97
95) Naphthalene	15.617	128	228095	18.938	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	69627	19.087	ug/l		98

Sample Results: **VN087964.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087964.D
Acq On : 26 Sep 2025 14:10
Operator : JC\MD
Sample : VN0926WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 01:24:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

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

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

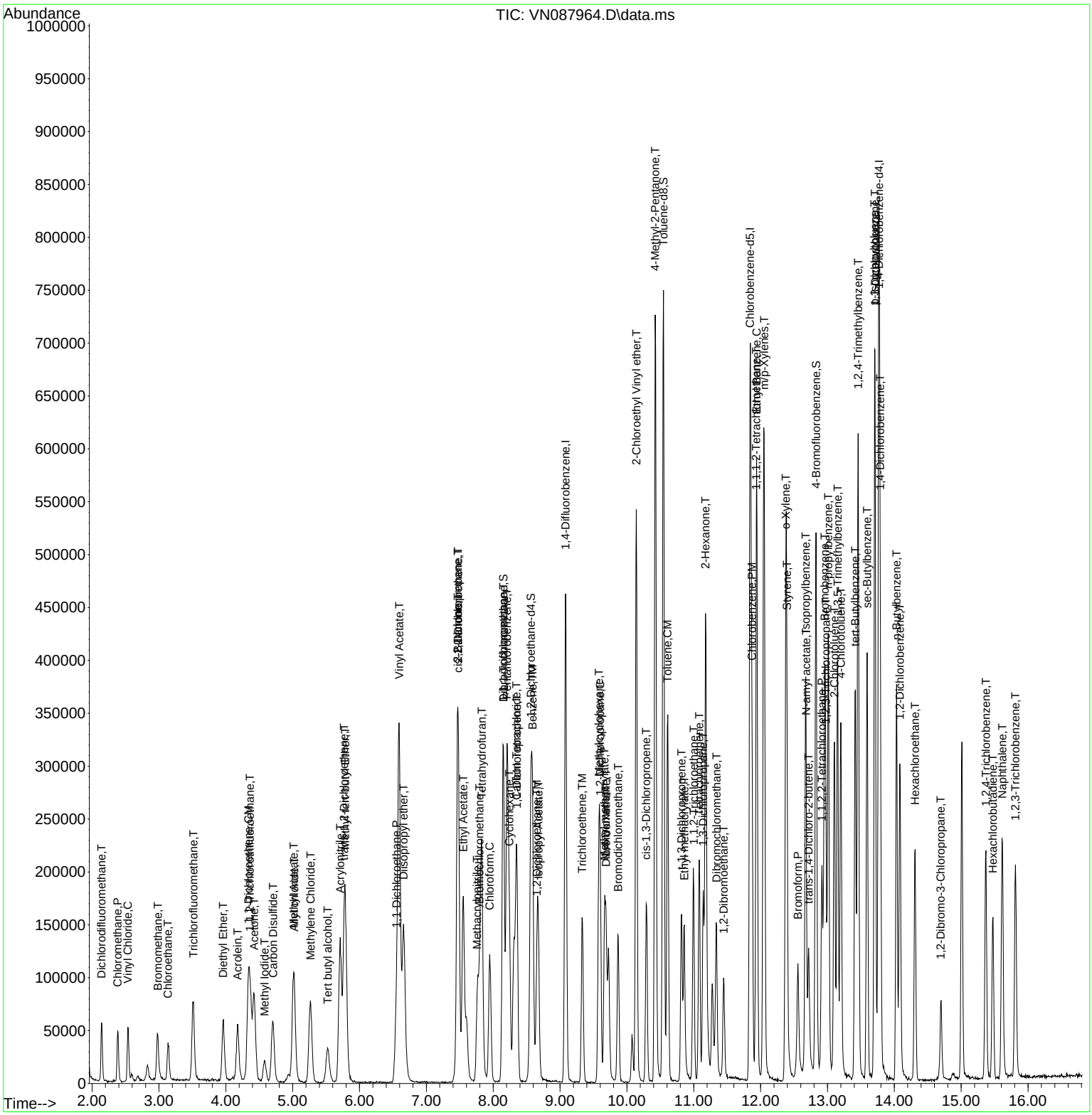
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087964.D
Acq On : 26 Sep 2025 14:10
Operator : JC\MD
Sample : VN0926WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 27 01:24:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



Raw Data: **VN087965.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0926WBSD01	SDG No.:	Q3181
Lab Sample ID:	VN0926WBSD01	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
VN087965.D	1	09/26/25 14:45	VN092625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.022		0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.023		0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.11		0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.022		0.00025	0.0050	mg/L
67-66-3	Chloroform	0.021		0.00025	0.0050	mg/L
71-43-2	Benzene	0.021		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.021		0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.021		0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.022		0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.021		0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.9		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	8.206			
540-36-3	1,4-Difluorobenzene	400000	9.082			
3114-55-4	Chlorobenzene-d5	379000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	204000	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\VN092625\
Data File : VN087965.D
Acq On : 26 Sep 2025 14:45
Operator : JC\MD
Sample : VN0926WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	220191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	400196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	378862	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	203685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	188570	50.887	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.780%			
35) Dibromofluoromethane	8.147	113	141234	48.607	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.220%			
50) Toluene-d8	10.547	98	513495	50.254	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.829	95	177972	48.728	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	56910	22.318	ug/l	98
3) Chloromethane	2.383	50	54562	20.897	ug/l	97
4) Vinyl Chloride	2.536	62	58986	22.144	ug/l	89
5) Bromomethane	2.983	94	35426	21.452	ug/l	92
6) Chloroethane	3.142	64	38123	22.011	ug/l	96
7) Trichlorofluoromethane	3.512	101	100834	23.249	ug/l	94
8) Diethyl Ether	3.959	74	33067	20.181	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.359	101	54956	23.974	ug/l #	86
10) Methyl Iodide	4.577	142	41741	20.232	ug/l	92
11) Tert butyl alcohol	5.518	59	58753	110.078	ug/l	96
12) 1,1-Dichloroethene	4.336	96	52527	22.710	ug/l	96
13) Acrolein	4.177	56	64478	94.150	ug/l	96
14) Allyl chloride	5.018	41	74555	19.800	ug/l	99
15) Acrylonitrile	5.706	53	181237	108.252	ug/l	98
16) Acetone	4.424	43	148318	97.279	ug/l	93
17) Carbon Disulfide	4.700	76	143985	19.924	ug/l	98
18) Methyl Acetate	5.024	43	86750	22.735	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	186178	20.606	ug/l	99
20) Methylene Chloride	5.259	84	65940	21.367	ug/l	94
21) trans-1,2-Dichloroethene	5.771	96	57413	20.248	ug/l	82
22) Diisopropyl ether	6.659	45	189759	21.587	ug/l	98
23) Vinyl Acetate	6.594	43	744278	100.560	ug/l	99
24) 1,1-Dichloroethane	6.547	63	107016	20.838	ug/l	99
25) 2-Butanone	7.471	43	244926	105.101	ug/l	98
26) 2,2-Dichloropropane	7.471	77	92827	20.344	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	68107	20.187	ug/l	99
28) Bromochloromethane	7.794	49	51846	18.581	ug/l	98
29) Tetrahydrofuran	7.824	42	158884	106.478	ug/l	98
30) Chloroform	7.947	83	117144	20.862	ug/l	100
31) Cyclohexane	8.241	56	92095	22.163	ug/l	97
32) 1,1,1-Trichloroethane	8.159	97	104783	22.084	ug/l	93
36) 1,1-Dichloropropene	8.353	75	78040	22.336	ug/l	99
37) Ethyl Acetate	7.547	43	98359	21.438	ug/l	98
38) Carbon Tetrachloride	8.341	117	87866	21.916	ug/l	95
39) Methylcyclohexane	9.582	83	89091	23.115	ug/l	97
40) Benzene	8.588	78	242515	20.964	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087965.D
Acq On : 26 Sep 2025 14:45
Operator : JC\MD
Sample : VN0926WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	51270	21.623	ug/l		96
42) 1,2-Dichloroethane	8.653	62	88632	20.530	ug/l		99
43) Isopropyl Acetate	8.676	43	151465	20.973	ug/l		100
44) Trichloroethene	9.329	130	57017	20.634	ug/l		98
45) 1,2-Dichloropropane	9.600	63	61763	21.292	ug/l		96
46) Dibromomethane	9.688	93	48883	21.356	ug/l		94
47) Bromodichloromethane	9.871	83	95747	21.327	ug/l		94
48) Methyl methacrylate	9.665	41	70991	21.227	ug/l		91
49) 1,4-Dioxane	9.676	88	20858	422.168	ug/l		97
51) 4-Methyl-2-Pentanone	10.423	43	497995	110.508	ug/l		98
52) Toluene	10.612	92	152386	20.991	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	93640	20.380	ug/l		92
54) cis-1,3-Dichloropropene	10.294	75	98120	20.561	ug/l		100
55) 1,1,2-Trichloroethane	10.994	97	64645	21.901	ug/l		90
56) Ethyl methacrylate	10.859	69	85838	20.126	ug/l		98
57) 1,3-Dichloropropane	11.141	76	104453	21.515	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	238856	119.108	ug/l		100
59) 2-Hexanone	11.176	43	322546	108.246	ug/l		98
60) Dibromochloromethane	11.335	129	72806	20.978	ug/l		100
61) 1,2-Dibromoethane	11.447	107	63600	20.353	ug/l		97
64) Tetrachloroethene	11.082	164	50924	22.066	ug/l		95
65) Chlorobenzene	11.870	112	168427	20.890	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	61968	21.314	ug/l		99
67) Ethyl Benzene	11.941	91	278539	20.704	ug/l		98
68) m/p-Xylenes	12.053	106	219069	42.577	ug/l		100
69) o-Xylene	12.376	106	101623	20.558	ug/l		98
70) Styrene	12.394	104	174794	20.589	ug/l		99
71) Bromoform	12.564	173	48671	20.633	ug/l	#	97
73) Isopropylbenzene	12.676	105	271430	21.501	ug/l		99
74) N-amyl acetate	12.623	43	78250m	18.813	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	102456	22.526	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	93973m	23.405	ug/l		
77) Bromobenzene	12.959	156	69443	20.675	ug/l		98
78) n-propylbenzene	13.012	91	331077	20.977	ug/l		98
79) 2-Chlorotoluene	13.106	91	196805	20.479	ug/l		98
80) 1,3,5-Trimethylbenzene	13.153	105	229304	21.000	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.717	75	27356	18.919	ug/l		95
82) 4-Chlorotoluene	13.200	91	207757	21.455	ug/l		99
83) tert-Butylbenzene	13.417	119	192184	20.794	ug/l		96
84) 1,2,4-Trimethylbenzene	13.459	105	234049	20.897	ug/l		99
85) sec-Butylbenzene	13.594	105	296385	21.873	ug/l		98
86) p-Isopropyltoluene	13.706	119	245641	21.404	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	138265	21.095	ug/l		98
88) 1,4-Dichlorobenzene	13.794	146	140845	20.909	ug/l		99
89) n-Butylbenzene	14.035	91	233251	21.506	ug/l		98
90) Hexachloroethane	14.311	117	50145	20.917	ug/l		100
91) 1,2-Dichlorobenzene	14.082	146	128910	20.404	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.700	75	20918	19.793	ug/l		98
93) 1,2,4-Trichlorobenzene	15.364	180	74584	19.994	ug/l		98
94) Hexachlorobutadiene	15.476	225	30867	22.482	ug/l		98
95) Naphthalene	15.617	128	232342	19.403	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	75352	20.778	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087965.D
Acq On : 26 Sep 2025 14:45
Operator : JC\MD
Sample : VN0926WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

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

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

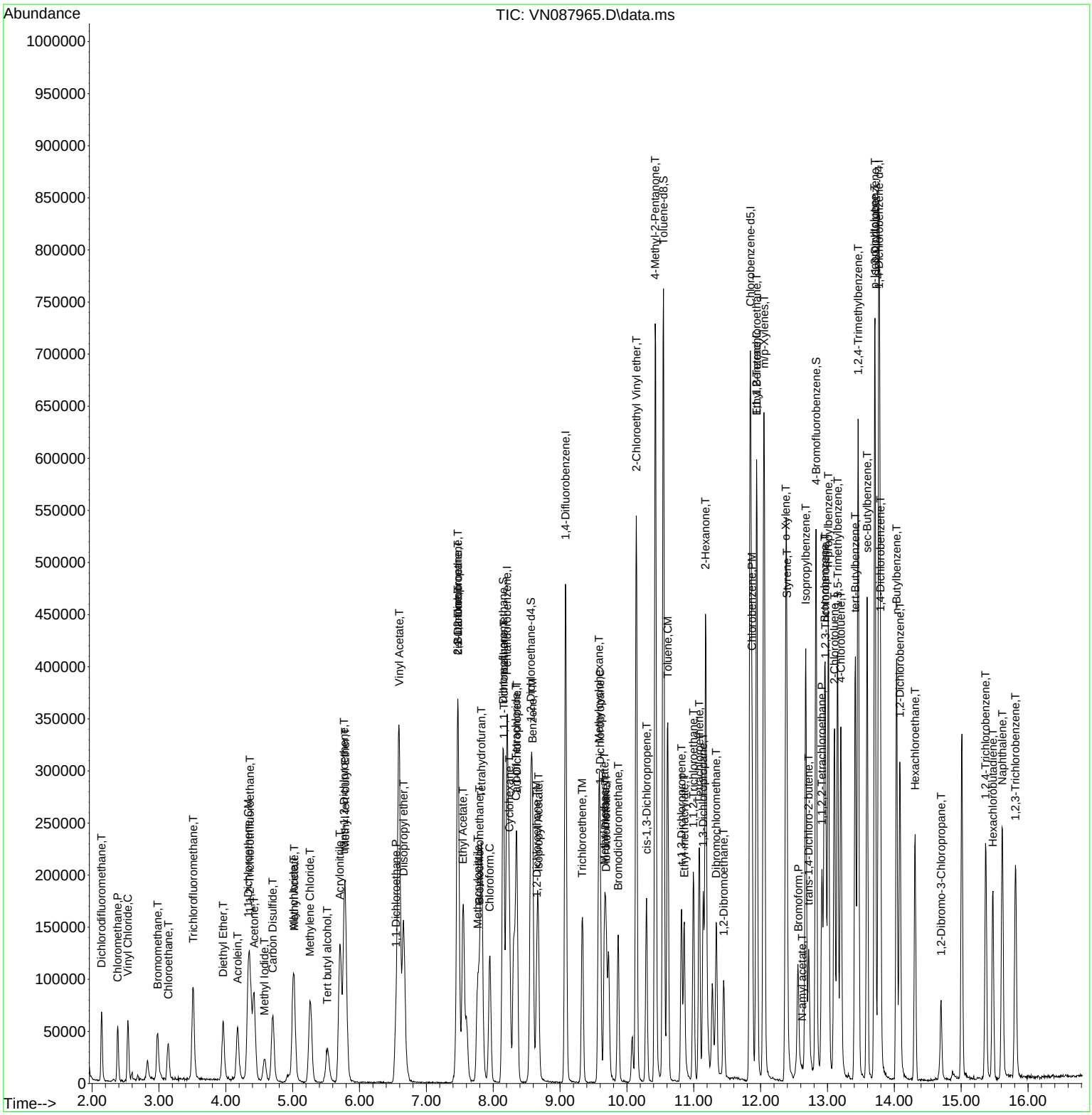
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
Data File : VN087965.D
Acq On : 26 Sep 2025 14:45
Operator : JC\MD
Sample : VN0926WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 27 01:25:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



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

Manual Integration Report

Sequence:	VN092325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN087924.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:09:59 AM	MMDadoda	9/26/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC005	VN087924.D	Acetone	JOHN	9/24/2025 8:09:59 AM	MMDadoda	9/26/2025 1:41:24 AM	Peak Integrated by Software
VSTDICCC050	VN087926.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:07 AM	MMDadoda	9/26/2025 1:41:26 AM	Peak Integrated by Software
VSTDICCC050	VN087926.D	N-amyl acetate	JOHN	9/24/2025 8:10:07 AM	MMDadoda	9/26/2025 1:41:26 AM	Peak Integrated by Software
VSTDICCC050	VN087926.D	Vinyl Acetate	JOHN	9/24/2025 8:10:07 AM	MMDadoda	9/26/2025 1:41:26 AM	Peak Integrated by Software
VSTDICC100	VN087927.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:11 AM	MMDadoda	9/26/2025 1:41:28 AM	Peak Integrated by Software
VSTDICC100	VN087927.D	N-amyl acetate	JOHN	9/24/2025 8:10:11 AM	MMDadoda	9/26/2025 1:41:28 AM	Peak Integrated by Software
VSTDICC100	VN087927.D	Vinyl Acetate	JOHN	9/24/2025 8:10:11 AM	MMDadoda	9/26/2025 1:41:28 AM	Peak Integrated by Software
VSTDICC150	VN087928.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:15 AM	MMDadoda	9/26/2025 1:41:29 AM	Peak Integrated by Software
VSTDICC150	VN087928.D	Vinyl Acetate	JOHN	9/24/2025 8:10:15 AM	MMDadoda	9/26/2025 1:41:29 AM	Peak Integrated by Software
VSTDICC020	VN087930.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:20 AM	MMDadoda	9/26/2025 1:41:30 AM	Peak Integrated by Software
VSTDICC020	VN087930.D	N-amyl acetate	JOHN	9/24/2025 8:10:20 AM	MMDadoda	9/26/2025 1:41:30 AM	Peak Integrated by Software
VSTDICC020	VN087930.D	Vinyl Acetate	JOHN	9/24/2025 8:10:20 AM	MMDadoda	9/26/2025 1:41:30 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN092325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN087931.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:24 AM	MMDadoda	9/26/2025 1:41:32 AM	Peak Integrated by Software
VSTDICV050	VN087931.D	N-amyl acetate	JOHN	9/24/2025 8:10:24 AM	MMDadoda	9/26/2025 1:41:32 AM	Peak Integrated by Software
VSTDICV050	VN087931.D	Vinyl Acetate	JOHN	9/24/2025 8:10:24 AM	MMDadoda	9/26/2025 1:41:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	Vn092625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087961.D	1,2,3-Trichloropropane	MMDadoda	9/29/2025 7:36:13 AM	SAM	9/29/2025 7:39:00 AM	Peak Integrated by Software
VSTDCCC050	VN087961.D	N-amyl acetate	MMDadoda	9/29/2025 7:36:13 AM	SAM	9/29/2025 7:39:00 AM	Peak Integrated by Software
VN0926WBS01	VN087964.D	1,2,3-Trichloropropane	MMDadoda	9/29/2025 7:36:14 AM	SAM	9/29/2025 7:39:02 AM	Peak Integrated by Software
VN0926WBS01	VN087964.D	N-amyl acetate	MMDadoda	9/29/2025 7:36:14 AM	SAM	9/29/2025 7:39:02 AM	Peak Integrated by Software
VN0926WBSD01	VN087965.D	1,2,3-Trichloropropane	MMDadoda	9/29/2025 7:36:16 AM	SAM	9/29/2025 7:39:23 AM	Peak Integrated by Software
VN0926WBSD01	VN087965.D	N-amyl acetate	MMDadoda	9/29/2025 7:36:16 AM	SAM	9/29/2025 7:39:23 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092325

Review By	John Carlone	Review On	9/24/2025 8:10:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/26/2025 1:41:42 AM		
SubDirectory	VN092325	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135592
Initial Calibration Stds	VP135674,VP135675,VP135676,VP135677,VP135678
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135679
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087922.D	23 Sep 2025 08:31	JC\MD	Ok
2	VSTDICC001	VN087923.D	23 Sep 2025 08:51	JC\MD	Not Ok
3	VSTDICC005	VN087924.D	23 Sep 2025 09:33	JC\MD	Ok,M
4	VSTDICC020	VN087925.D	23 Sep 2025 09:54	JC\MD	Not Ok
5	VSTDICCC050	VN087926.D	23 Sep 2025 10:15	JC\MD	Ok,M
6	VSTDICC100	VN087927.D	23 Sep 2025 10:36	JC\MD	Ok,M
7	VSTDICC150	VN087928.D	23 Sep 2025 10:56	JC\MD	Ok,M
8	IBLK	VN087929.D	23 Sep 2025 11:17	JC\MD	Ok
9	VSTDICC020	VN087930.D	23 Sep 2025 11:47	JC\MD	Ok,M
10	VSTDICV050	VN087931.D	23 Sep 2025 15:08	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092625

Review By	Semsettin Yesilyurt	Review On	9/29/2025 7:39:58 AM		
Supervise By		Supervise On			
SubDirectory	VN092625	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135667
Initial Calibration Stds	
CCC	VP135668,VP135669
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087960.D	26 Sep 2025 12:11	JC\MD	Ok
2	VSTDCCC050	VN087961.D	26 Sep 2025 12:53	JC\MD	Ok,M
3	VN0926MBL01	VN087962.D	26 Sep 2025 13:28	JC\MD	Ok
4	VN0926WBL01	VN087963.D	26 Sep 2025 13:49	JC\MD	Ok
5	VN0926WBS01	VN087964.D	26 Sep 2025 14:10	JC\MD	Ok,M
6	VN0926WBSD01	VN087965.D	26 Sep 2025 14:45	JC\MD	Ok,M
7	PB169841TB	VN087966.D	26 Sep 2025 15:06	JC\MD	Ok,M
8	Q3181-01	VN087967.D	26 Sep 2025 15:27	JC\MD	Ok
9	Q3181-05	VN087968.D	26 Sep 2025 15:49	JC\MD	Ok
10	Q3181-09	VN087969.D	26 Sep 2025 16:10	JC\MD	Ok
11	Q3183-10	VN087970.D	26 Sep 2025 16:31	JC\MD	Ok
12	Q3183-11	VN087971.D	26 Sep 2025 16:52	JC\MD	Ok
13	Q3183-12	VN087972.D	26 Sep 2025 17:13	JC\MD	Ok
14	Q3208-06	VN087973.D	26 Sep 2025 17:34	JC\MD	Ok
15	Q3208-12	VN087974.D	26 Sep 2025 17:55	JC\MD	Not Ok

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092325

Review By	John Carlone	Review On	9/24/2025 8:10:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/26/2025 1:41:42 AM		
SubDirectory	VN092325	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135592
Initial Calibration Stds	VP135674,VP135675,VP135676,VP135677,VP135678
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135679
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087922.D	23 Sep 2025 08:31		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087923.D	23 Sep 2025 08:51	Not used	JC\MD	Not Ok
3	VSTDICC005	VSTDICC005	VN087924.D	23 Sep 2025 09:33		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087925.D	23 Sep 2025 09:54	Spiked Low	JC\MD	Not Ok
5	VSTDICCC050	VSTDICCC050	VN087926.D	23 Sep 2025 10:15		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087927.D	23 Sep 2025 10:36		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087928.D	23 Sep 2025 10:56		JC\MD	Ok,M
8	IBLK	IBLK	VN087929.D	23 Sep 2025 11:17		JC\MD	Ok
9	VSTDICC020	VSTDICC020	VN087930.D	23 Sep 2025 11:47		JC\MD	Ok,M
10	VSTDICV050	ICVVN092325	VN087931.D	23 Sep 2025 15:08		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092625

Review By	Semsettin Yesilyurt	Review On	9/29/2025 7:39:58 AM		
Supervise By		Supervise On			
SubDirectory	VN092625	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135667
Initial Calibration Stds	
CCC	VP135668,VP135669
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087960.D	26 Sep 2025 12:11		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087961.D	26 Sep 2025 12:53	pH#Lot#V12668	JC\MD	Ok,M
3	VN0926MBL01	VN0926MBL01	VN087962.D	26 Sep 2025 13:28		JC\MD	Ok
4	VN0926WBL01	VN0926WBL01	VN087963.D	26 Sep 2025 13:49		JC\MD	Ok
5	VN0926WBS01	VN0926WBS01	VN087964.D	26 Sep 2025 14:10		JC\MD	Ok,M
6	VN0926WBSD01	VN0926WBSD01	VN087965.D	26 Sep 2025 14:45		JC\MD	Ok,M
7	PB169841TB	PB169841TB	VN087966.D	26 Sep 2025 15:06		JC\MD	Ok,M
8	Q3181-01	WC-A3-01-G	VN087967.D	26 Sep 2025 15:27	vial A pH#5.0	JC\MD	Ok
9	Q3181-05	WC-A3-02-G	VN087968.D	26 Sep 2025 15:49	vial A pH#5.0	JC\MD	Ok
10	Q3181-09	WC-A3-03-G	VN087969.D	26 Sep 2025 16:10	vial A pH#5.0	JC\MD	Ok
11	Q3183-10	WC-1	VN087970.D	26 Sep 2025 16:31	vial A pH#5.0	JC\MD	Ok
12	Q3183-11	WC-4	VN087971.D	26 Sep 2025 16:52	vial A pH#5.0	JC\MD	Ok
13	Q3183-12	WC-3	VN087972.D	26 Sep 2025 17:13	vial A pH#5.0	JC\MD	Ok
14	Q3208-06	SU-ESM-COMP-01	VN087973.D	26 Sep 2025 17:34	vial A pH#5.0	JC\MD	Ok
15	Q3208-12	SU-ESM-COMP-02	VN087974.D	26 Sep 2025 17:55	Not purge	JC\MD	Not Ok

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169841

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1

TCLP Filter ID : 60828725

Start Prep Date : 09/25/2025 **Time :** 14:30

End Prep Date : 09/26/2025 **Time :** 08:10

Combination Ratio : 20

ZHE Cleaning Batch : N/A 18

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : 18

Supervisor By : 12

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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114525
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	4127	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 checked,30 rpm.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/26/25 11:00	TD Lab Room	S.Y VOC 245
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB169841

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
PB169841TB	LEB841	09	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-1
Q3181-01	WC-A3-01-G	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3181-05	WC-A3-02-G	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3181-09	WC-A3-03-G	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3183-10	WC-1	04	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3183-11	WC-4	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3183-12	WC-3	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3208-06	SU-ESM-COMP-01	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q3208-12	SU-ESM-COMP-02	08	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1

Alliance TECHNICAL GROUP

TCLP Solid Determination

PB169841

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169841TB	LEB841	N/A	N/A	N/A	N/A	N/A	N/A
Q3181-01	WC-A3-01-G	N/A	N/A	N/A	N/A	100	N/A
Q3181-05	WC-A3-02-G	N/A	N/A	N/A	N/A	100	N/A
Q3181-09	WC-A3-03-G	N/A	N/A	N/A	N/A	100	N/A
Q3183-10	WC-1	N/A	N/A	N/A	N/A	100	N/A
Q3183-11	WC-4	N/A	N/A	N/A	N/A	100	N/A
Q3183-12	WC-3	N/A	N/A	N/A	N/A	100	N/A
Q3208-06	SU-ESM-COMP-01	N/A	N/A	N/A	N/A	100	N/A
Q3208-12	SU-ESM-COMP-02	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP ZHE Q3181 **WorkList ID :** 192082 **Department :** TCLP Extraction **Date :** 09-25-2025 12:09:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3181-01	WC-A3-01-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J33	09/24/2025	1311 ZHE
Q3181-05	WC-A3-02-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J33	09/24/2025	1311 ZHE
Q3181-09	WC-A3-03-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	J33	09/24/2025	1311 ZHE
Q3183-10	WC-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J32	09/24/2025	1311 ZHE
Q3183-11	WC-4	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J32	09/24/2025	1311 ZHE
Q3183-12	WC-3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	J32	09/24/2025	1311 ZHE
Q3208-06	SU-ESM-COMP-01	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	09/25/2025	1311 ZHE
Q3208-12	SU-ESM-COMP-02	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	D31	09/25/2025	1311 ZHE

Date/Time 09/25/25 13:00
Raw Sample Received by: SP WC
Raw Sample Relinquished by: CP

Date/Time 09/25/25 16:00
Raw Sample Received by: CP
Raw Sample Relinquished by: SP WC

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q 3181

COC Number: 2042113

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

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

* For TCLP pH - include preparatory information for TCLP leachate

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	WC-A3-01-G	Soil		X	9/24	12:00	1	X									<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
2.	WC-A3-01-C	Soil	X		9/24	12:00	11		X	X	X	X	X	X	X	X	
3.	WC-A3-02-G	Soil		X	9/24	12:00	1	X									
4.	WC-A3-02-C	Soil	X		9/24	12:00	11		X	X	X	X	X	X	X	X	
5.	WC-A3-03-G	Soil		X	9/24	12:00	1	X									
6.	WC-A3-03-C	Soil	X		9/24	12:00	11		X	X	X	X	X	X	X	X	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER 1. **Austin Farmerie**	DATE/TIME 9-24 12:30	RECEIVED BY 1.	1230 9.24.25
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 1730 9-24-25	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.0°C ☐ Ice in Cooler?:

Comments:

Page of

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

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

Alliance TECHNICAL GROUP

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

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q 3181

COC Number: 2042113

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

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

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	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

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles									
1.	WC-A3-01-G	Soil		X	9/24	12:00	1									
2.	WC-A3-01-C	Soil	X		9/24	12:00	11	X	X	X	X	X	X	X		
3.	WC-A3-02-G	Soil		X	9/24	12:00	1									
4.	WC-A3-02-C	Soil	X		9/24	12:00	11	X	X	X	X	X	X	X		
5.	WC-A3-03-G	Soil		X	9/24	12:00	1									
6.	WC-A3-03-C	Soil	X		9/24	12:00	11	X	X	X	X	X	X	X		
7.																
8.																
9.																
10.																

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

	DATE/TIME		
RELINQUISHED BY SAMPLER 1. Austin Farmerie	9-24 12	RECEIVED BY 1.	9.24.25 1238
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 9-24-25 1730	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3-0 °C ☐ Ice in Cooler?:

Comments:

Page of

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

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR 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.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312