



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q2320
Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID: 0

Total Voc :
Total Concentration:

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J



SAMPLE DATA

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	06/13/25
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	06/13/25
Client Sample ID:	WC	SDG No.:	Q2320
Lab Sample ID:	Q2320-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :	SW5035	Level :	LOW
		Final Vol:	5000
		Test:	TCLP VOA

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087061.D	1		06/17/25 15:47	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	52.2		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	8.23			
540-36-3	1,4-Difluorobenzene	390000	9.106			
3114-55-4	Chlorobenzene-d5	350000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	166000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q2320

Client: First Environment, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2320-01	WC	1,2-Dichloroethane-d4	50	51.7	103	70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101	70 (75)	130 (124)
		Toluene-d8	50	52.2	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.3	99	70 (77)	130 (121)

Surrogate Summary

SDG No.: Q2320

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
VN0617WBL01	VN0617WBL01	1,2-Dichloroethane-d4	50	55.2	110	70 (74)	130 (125)
		Dibromofluoromethane	50	52.8	106	70 (75)	130 (124)
		Toluene-d8	50	53.3	107	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.1	100	70 (77)	130 (121)
VN0617WBS01	VN0617WBS01	1,2-Dichloroethane-d4	50	48.7	97	70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104	70 (77)	130 (121)
VN0617WBSD0	VN0617WBSD01	1,2-Dichloroethane-d4	50	46.9	94	70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104	70 (75)	130 (124)
		Toluene-d8	50	49.3	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2320

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Datafile : VN087051.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0617WBS01	Vinyl chloride	20	21.5	ug/L	108			70 (65)	130 (117)	
	1,1-Dichloroethene	20	21.7	ug/L	109			70 (74)	130 (110)	
	2-Butanone	100	88.2	ug/L	88			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.9	ug/L	104			70 (77)	130 (113)	
	Chloroform	20	20.1	ug/L	101			70 (79)	130 (113)	
	Benzene	20	20.9	ug/L	104			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.0	ug/L	105			70 (80)	130 (115)	
	Trichloroethene	20	21.4	ug/L	107			70 (77)	130 (113)	
	Tetrachloroethene	20	20.5	ug/L	103			70 (67)	130 (123)	
	Chlorobenzene	20	21.3	ug/L	106			70 (82)	130 (109)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2320

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Datafile : VN087052.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0617WBSD01	Vinyl chloride	20	19.5	ug/L	98	10		70 (65)	130 (117)	20 (19)
	1,1-Dichloroethene	20	20.7	ug/L	104	5		70 (74)	130 (110)	20 (20)
	2-Butanone	100	83.8	ug/L	84	5		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	20.0	ug/L	100	4		70 (77)	130 (113)	20 (15)
	Chloroform	20	19.3	ug/L	97	4		70 (79)	130 (113)	20 (20)
	Benzene	20	20.4	ug/L	102	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.1	ug/L	101	4		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	21.2	ug/L	106	1		70 (77)	130 (113)	20 (15)
	Tetrachloroethene	20	21.2	ug/L	106	3		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	21.4	ug/L	107	1		70 (82)	130 (109)	20 (15)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0617WBL01

Lab Name: CHEMTECH

Contract: FIRS02

Lab Code: CHEM Case No.: Q2320

SAS No.: Q2320 SDG NO.: Q2320

Lab File ID: VN087047.D

Lab Sample ID: VN0617WBL01

Date Analyzed: 06/17/2025

Time Analyzed: 10:20

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
VN0617WBS01	VN0617WBS01	VN087051.D	06/17/2025
VN0617WBSD01	VN0617WBSD01	VN087052.D	06/17/2025
WC	Q2320-01	VN087061.D	06/17/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: FIRS02
Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320
Lab File ID: VN086861.D BFB Injection Date: 06/06/2025
Instrument ID: MSVOA_N BFB Injection Time: 07:59
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	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN086862.D	06/06/2025	12:44
VSTDIC005	VSTDIC005	VN086863.D	06/06/2025	13:17
VSTDIC020	VSTDIC020	VN086864.D	06/06/2025	13:40
VSTDIC050	VSTDIC050	VN086865.D	06/06/2025	14:03
VSTDIC100	VSTDIC100	VN086866.D	06/06/2025	14:26
VSTDIC150	VSTDIC150	VN086867.D	06/06/2025	14:49

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: FIRS02
Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320
Lab File ID: VN087044.D BFB Injection Date: 06/17/2025
Instrument ID: MSVOA_N BFB Injection Time: 08:51
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	16
75	30.0 - 60.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.6
175	5.0 - 9.0% of mass 174	5.1 (7) 1
176	95.0 - 101.0% of mass 174	70.3 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087045.D	06/17/2025	09:25
VN0617WBL01	VN0617WBL01	VN087047.D	06/17/2025	10:20
VN0617WBS01	VN0617WBS01	VN087051.D	06/17/2025	11:59
VN0617WBSD01	VN0617WBSD01	VN087052.D	06/17/2025	12:35
WC	Q2320-01	VN087061.D	06/17/2025	15:47

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: FIRS02
Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320
Lab File ID: VN087045.D Date Analyzed: 06/17/2025
Instrument ID: MSVOA_N Time Analyzed: 09:25
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	178887	8.23	312096	9.11	278021	11.87
UPPER LIMIT	357774	8.73	624192	9.606	556042	12.365
LOWER LIMIT	89443.5	7.73	156048	8.606	139011	11.365
EPA SAMPLE NO.						
WC	195874	8.23	390146	9.11	350367	11.87
VN0617WBL01	200915	8.23	403651	9.11	368689	11.87
VN0617WBS01	157438	8.23	281588	9.11	248700	11.87
VN0617WBSD01	171983	8.23	303445	9.11	262555	11.87

IS1 = Pentafluorobenzene

IS2 = 1,4-Difluorobenzene

IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: FIRS02
 Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG NO.: Q2320
 Lab File ID: VN087045.D Date Analyzed: 06/17/2025
 Instrument ID: MSVOA_N Time Analyzed: 09:25
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	137590	13.788				
UPPER LIMIT	275180	14.288				
LOWER LIMIT	68795	13.288				
EPA SAMPLE NO.						
WC	166331	13.79				
VN0617WBL01	170553	13.79				
VN0617WBS01	122529	13.79				
VN0617WBSD01	129789	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	
Client Sample ID:	VN0617WBL01	SDG No.:	Q2320
Lab Sample ID:	VN0617WBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VN087047.D	1		06/17/25 10:20	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	53.3		70 (86) - 130 (113)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	8.229			
540-36-3	1,4-Difluorobenzene	404000	9.106			
3114-55-4	Chlorobenzene-d5	369000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	171000	13.788			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	
Client Sample ID:	VN0617WBS01	SDG No.:	Q2320
Lab Sample ID:	VN0617WBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VN087051.D	1		06/17/25 11:59	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	21.5		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.7		0.23	1.00	ug/L
78-93-3	2-Butanone	88.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.9		0.25	1.00	ug/L
67-66-3	Chloroform	20.1		0.25	1.00	ug/L
71-43-2	Benzene	20.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.4		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	20.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	21.3		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.7		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	8.23			
540-36-3	1,4-Difluorobenzene	282000	9.106			
3114-55-4	Chlorobenzene-d5	249000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.788			

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	EDGEW001 – Veterans Field Edgewater, NJ	Date Received:	
Client Sample ID:	VN0617WBSD01	SDG No.:	Q2320
Lab Sample ID:	VN0617WBSD01	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:	Prep Date	Date Analyzed	Prep Batch ID
VN087052.D	1		06/17/25 12:35	VN061725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.5		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.7		0.23	1.00	ug/L
78-93-3	2-Butanone	83.8		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	1.00	ug/L
67-66-3	Chloroform	19.3		0.25	1.00	ug/L
71-43-2	Benzene	20.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.2		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	21.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	21.4		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	172000	8.23			
540-36-3	1,4-Difluorobenzene	303000	9.106			
3114-55-4	Chlorobenzene-d5	263000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.788			

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* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG No.: Q2320

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID:		RRF001 = VN086862.D		RRF005 = VN086863.D		RRF020 = VN086864.D		
		RRF050 = VN086865.D		RRF100 = VN086866.D		RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: FIRS02

Lab Code: CHEM Case No.: Q2320 SAS No.: Q2320 SDG No.: Q2320

Instrument ID: MSVOA_N Calibration Date/Time: 06/17/2025 09:25

Lab File ID: VN087045.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.787		18.52	20
1,1-Dichloroethene	0.557	0.639		14.72	20
2-Butanone	0.577	0.533		-7.63	20
Carbon Tetrachloride	0.433	0.499		15.24	20
Chloroform	1.118	1.212		8.41	20
Benzene	1.444	1.635		13.23	20
1,2-Dichloroethane	0.438	0.487		11.19	20
Trichloroethene	0.342	0.394		15.2	20
Tetrachloroethene	0.316	0.349		10.44	20
Chlorobenzene	1.103	1.212	0.3	9.88	20
1,2-Dichloroethane-d4	0.669	0.621		-7.18	20
Dibromofluoromethane	0.296	0.308		4.05	20
Toluene-d8	1.173	1.147		-2.22	20
4-Bromofluorobenzene	0.436	0.427		-2.06	20

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



SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087061.D
 Acq On : 17 Jun 2025 15:47
 Operator : JC\MD
 Sample : Q2320-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 18 01:49:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

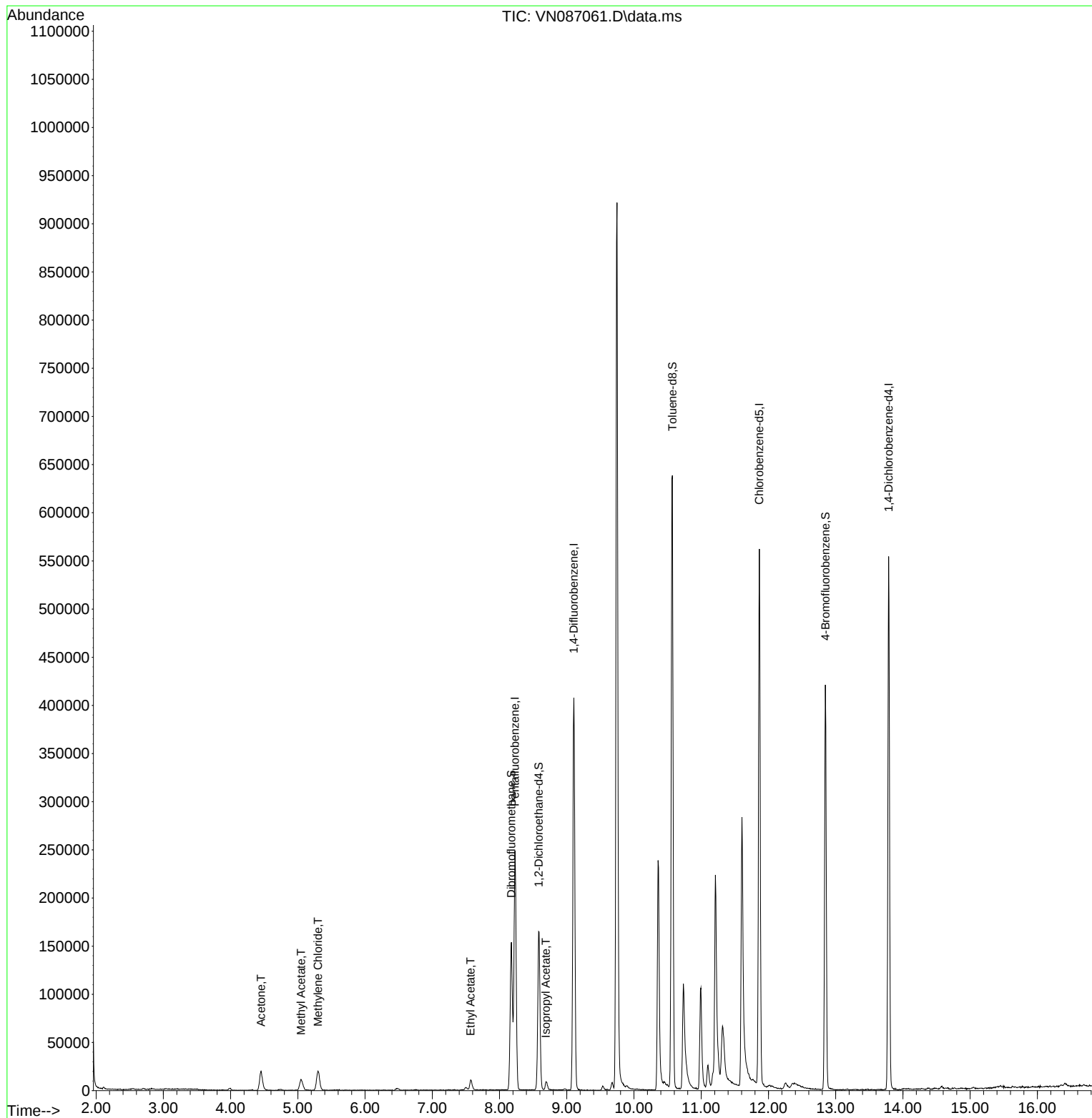
Internal Standards						
1) Pentafluorobenzene	8.230	168	195874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	390146	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	350367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	166331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	135617	51.712	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.420%	
35) Dibromofluoromethane	8.177	113	116277	50.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.580%	
50) Toluene-d8	10.571	98	477810	52.203	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.400%	
62) 4-Bromofluorobenzene	12.847	95	167714	49.319	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.640%	
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	37986	27.313	ug/l	92
18) Methyl Acetate	5.047	43	25284	6.239	ug/l	99
20) Methylene Chloride	5.300	84	18024	6.922	ug/l	93
37) Ethyl Acetate	7.571	43	16391	3.737	ug/l	98
43) Isopropyl Acetate	8.688	43	10650	1.513	ug/l	94

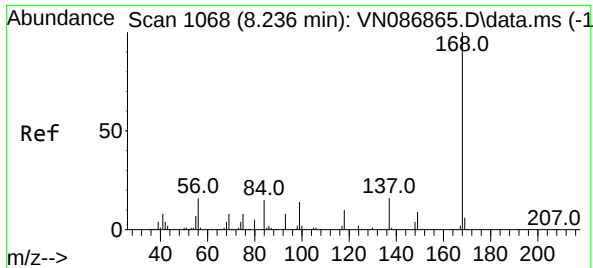
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087061.D
Acq On : 17 Jun 2025 15:47
Operator : JC\MD
Sample : Q2320-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC

Quant Time: Jun 18 01:49:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

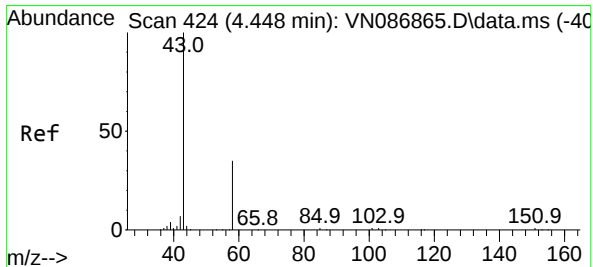
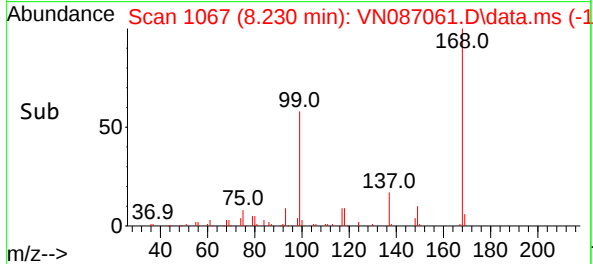
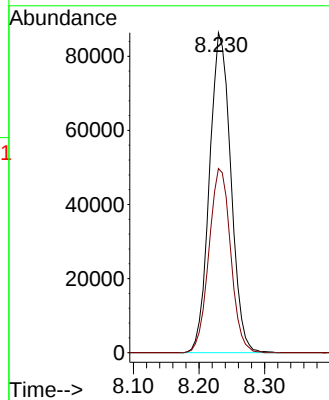
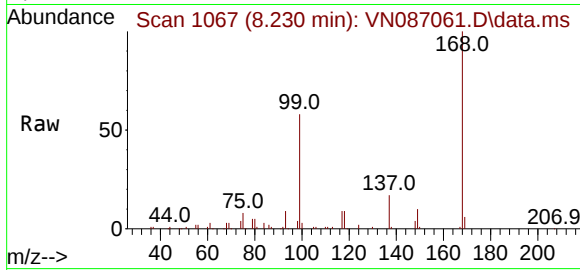




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

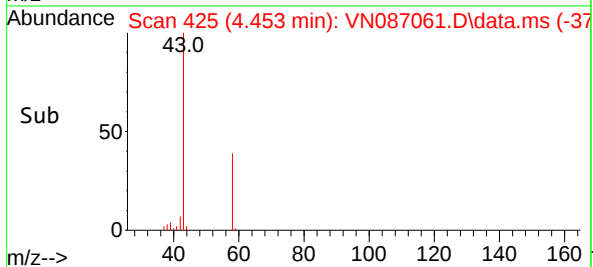
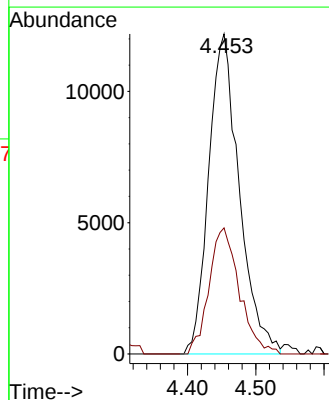
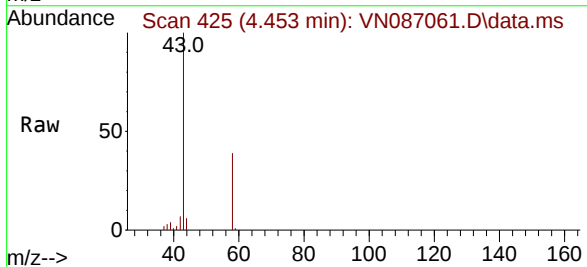
Instrument :
MSVOA_N
ClientSampleId :
WC

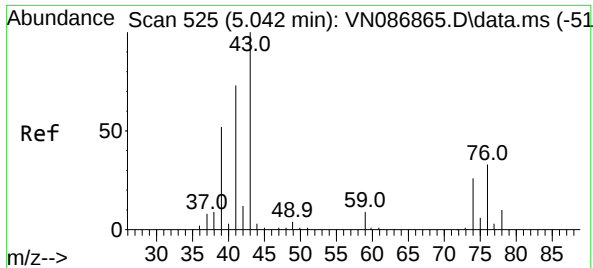
Tgt Ion:168 Resp: 195874
Ion Ratio Lower Upper
168 100
99 57.6 49.1 73.7



#16
Acetone
Concen: 27.313 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Tgt Ion: 43 Resp: 37986
Ion Ratio Lower Upper
43 100
58 39.4 28.0 42.0





#18

Methyl Acetate

Concen: 6.239 ug/l

RT: 5.047 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN087061.D

Acq: 17 Jun 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

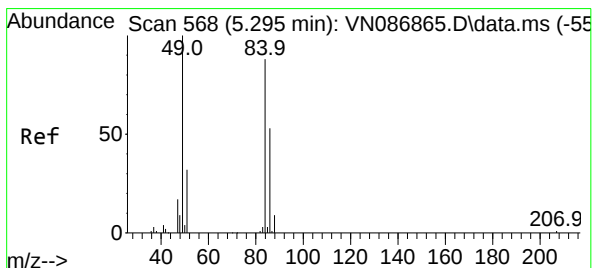
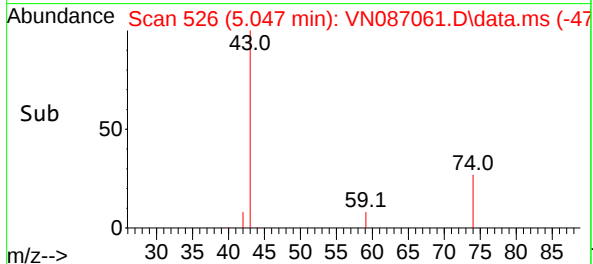
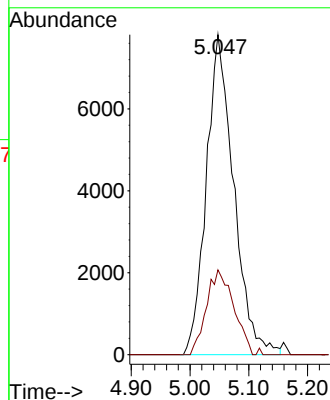
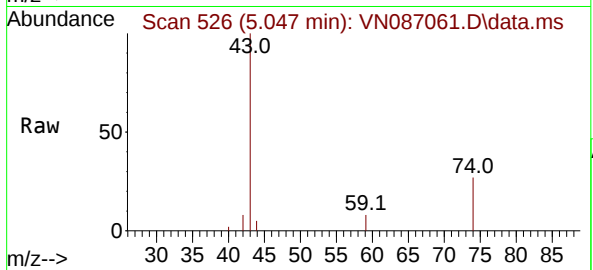
WC

Tgt Ion: 43 Resp: 25284

Ion Ratio Lower Upper

43 100

74 26.3 20.7 31.1



#20

Methylene Chloride

Concen: 6.922 ug/l

RT: 5.300 min Scan# 569

Delta R.T. 0.006 min

Lab File: VN087061.D

Acq: 17 Jun 2025 15:47

Tgt Ion: 84 Resp: 18024

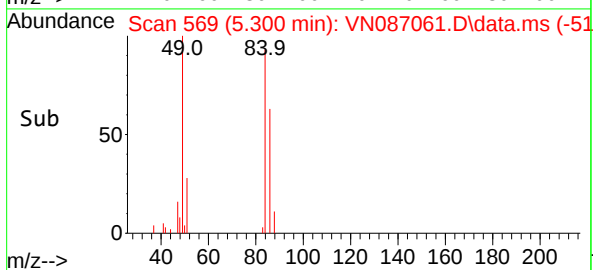
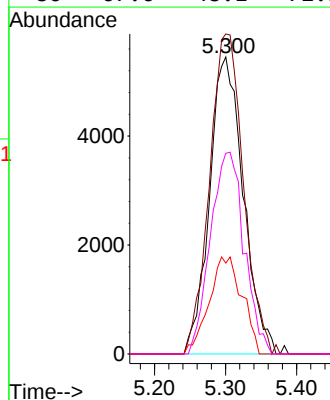
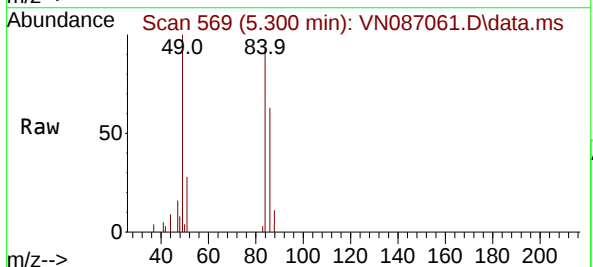
Ion Ratio Lower Upper

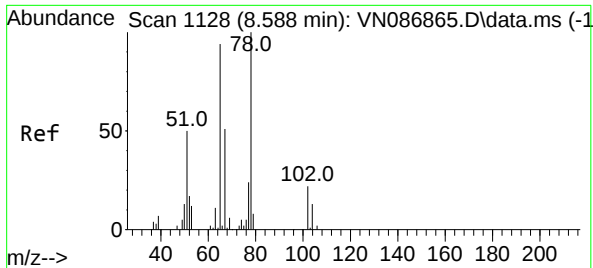
84 100

49 107.8 90.5 135.7

51 30.6 28.5 42.7

86 67.6 48.1 72.1





#33

1,2-Dichloroethane-d4

Concen: 51.712 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087061.D

Acq: 17 Jun 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

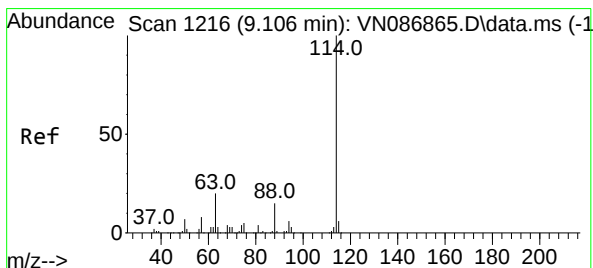
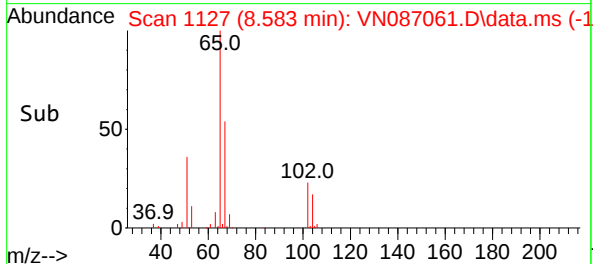
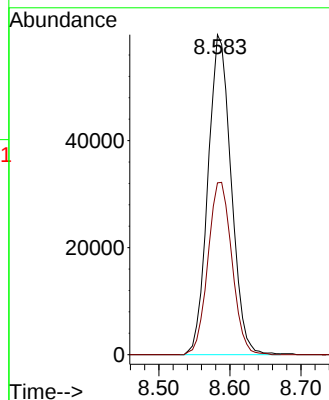
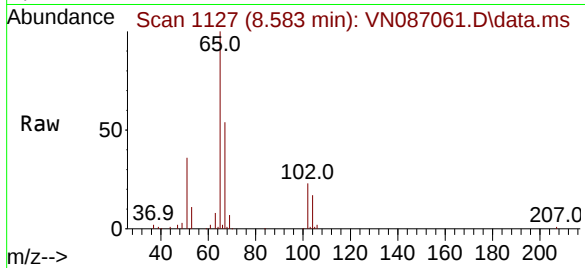
WC

Tgt Ion: 65 Resp: 135617

Ion Ratio Lower Upper

65 100

67 55.6 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087061.D

Acq: 17 Jun 2025 15:47

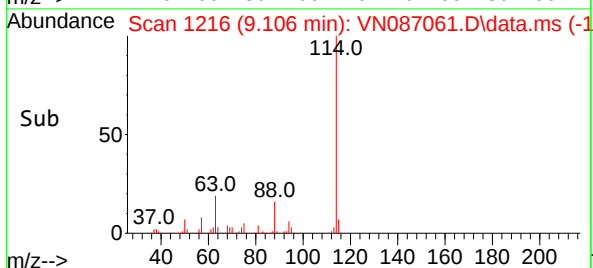
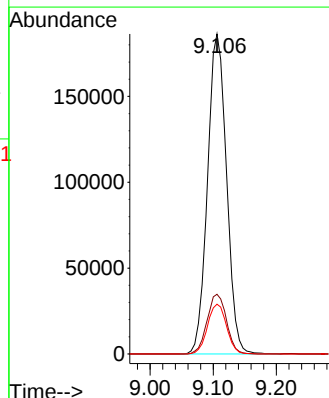
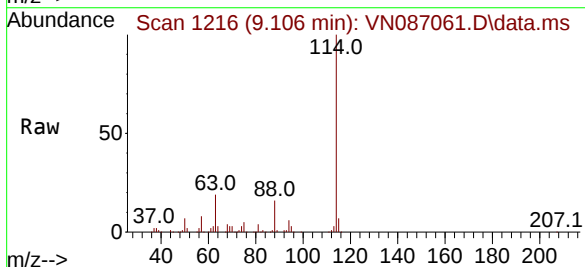
Tgt Ion: 114 Resp: 390146

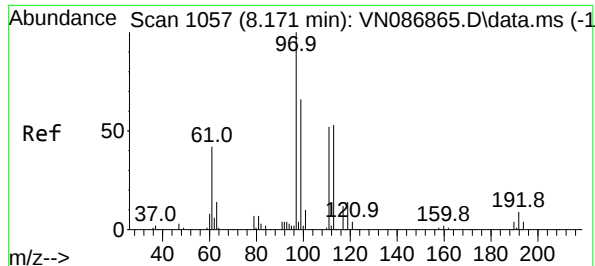
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.6 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.291 ug/l

RT: 8.177 min Scan# 113

Delta R.T. 0.006 min

Lab File: VN087061.D

Acq: 17 Jun 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

WC

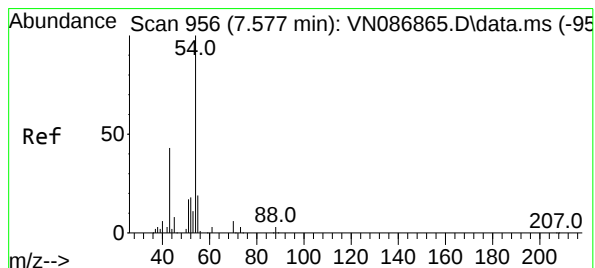
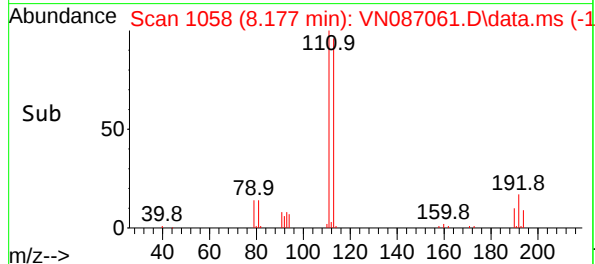
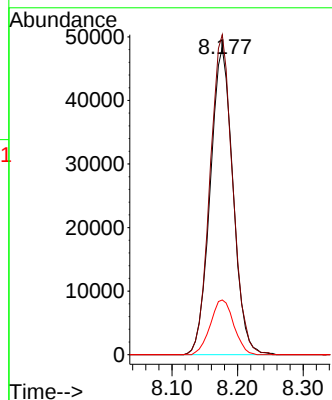
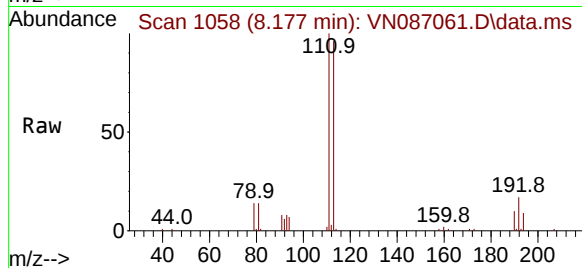
Tgt Ion:113 Resp: 116277

Ion Ratio Lower Upper

113 100

111 103.7 84.2 126.2

192 18.3 14.2 21.4



#37

Ethyl Acetate

Concen: 3.737 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.006 min

Lab File: VN087061.D

Acq: 17 Jun 2025 15:47

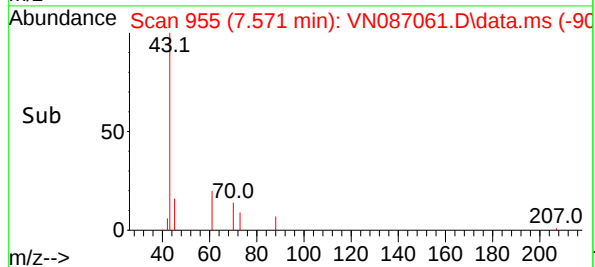
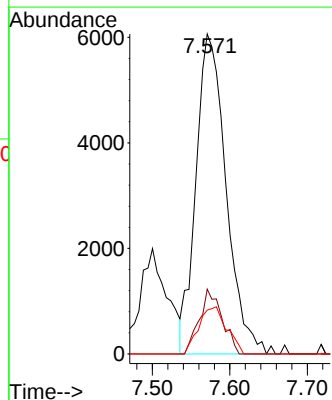
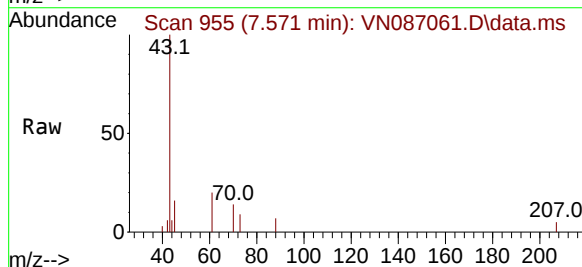
Tgt Ion: 43 Resp: 16391

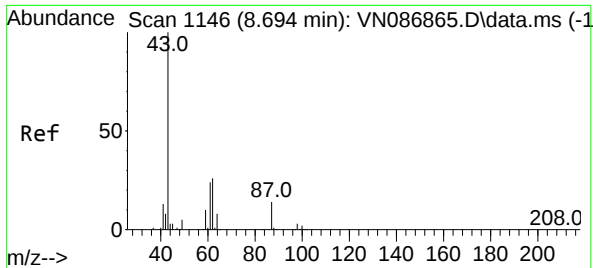
Ion Ratio Lower Upper

43 100

61 15.3 12.1 18.1

70 13.6 9.8 14.6





#43

Isopropyl Acetate

Concen: 1.513 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.006 min

Lab File: VN087061.D

Acq: 17 Jun 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

WC

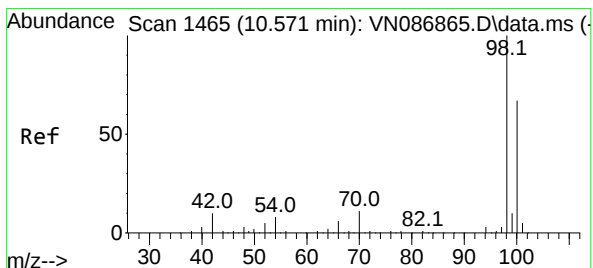
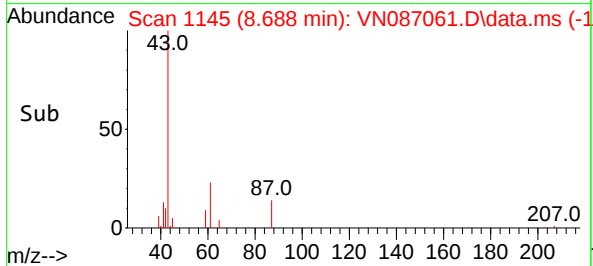
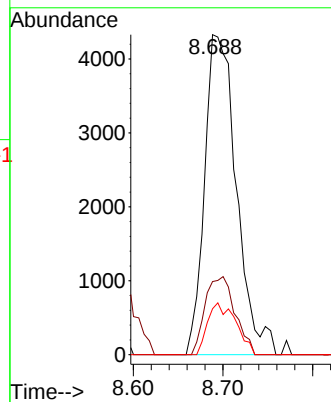
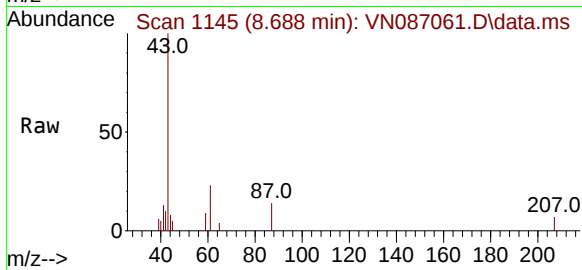
Tgt Ion: 43 Resp: 10650

Ion Ratio Lower Upper

43 100

61 22.9 22.1 33.1

87 14.4 11.8 17.6



#50

Toluene-d8

Concen: 52.203 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN087061.D

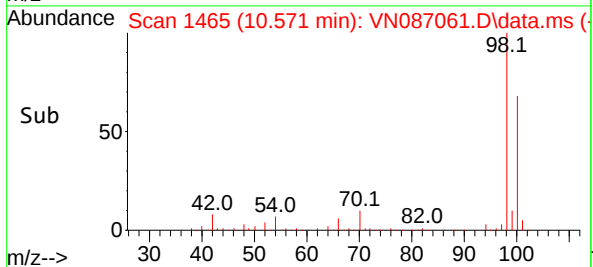
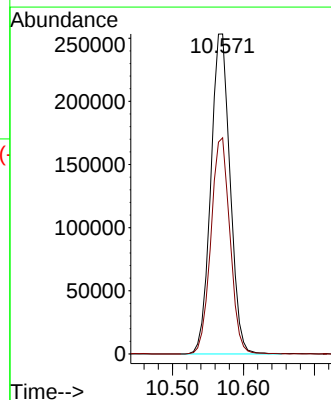
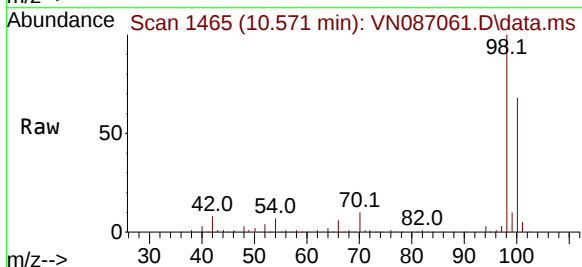
Acq: 17 Jun 2025 15:47

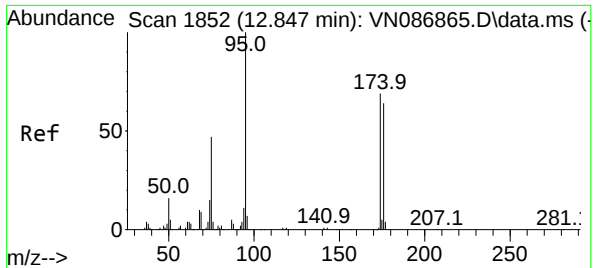
Tgt Ion: 98 Resp: 477810

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.0

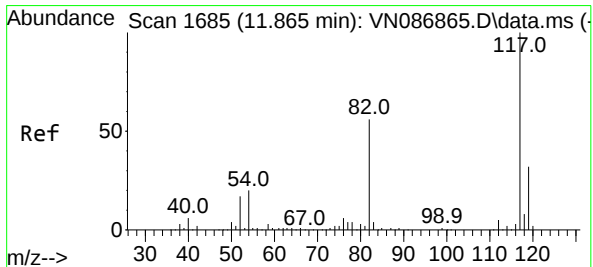
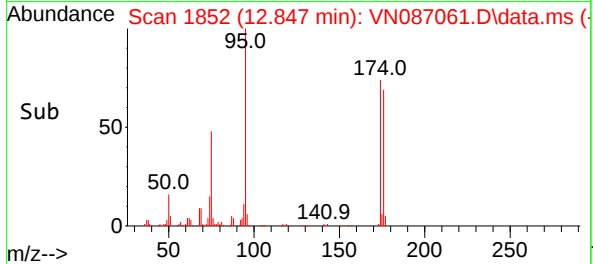
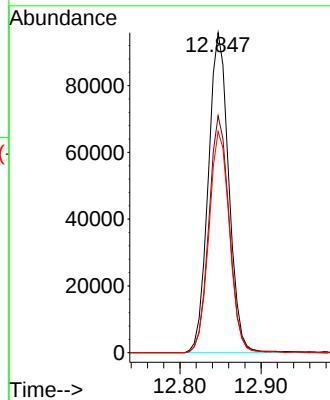
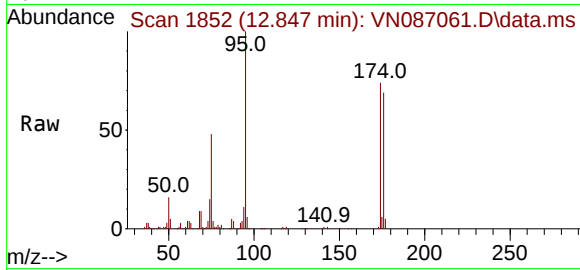




#62
4-Bromofluorobenzene
Concen: 49.319 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

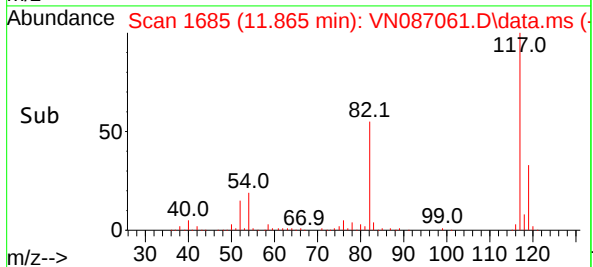
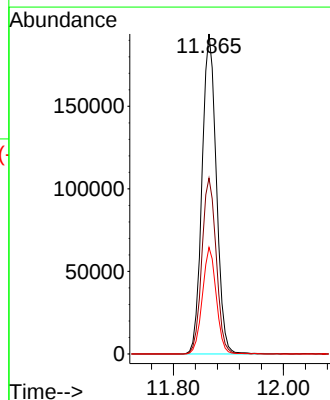
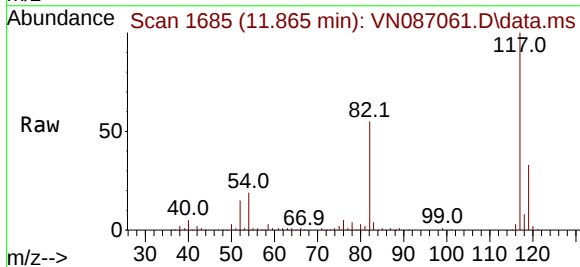
Instrument :
MSVOA_N
ClientSampleId :
WC

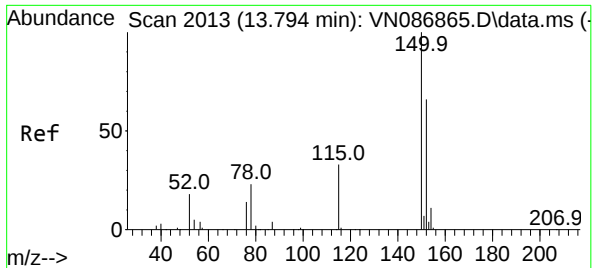
Tgt Ion: 95 Resp: 167714
Ion Ratio Lower Upper
95 100
174 73.8 0.0 141.8
176 69.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087061.D
Acq: 17 Jun 2025 15:47

Tgt Ion: 117 Resp: 350367
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 33.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN087061.D

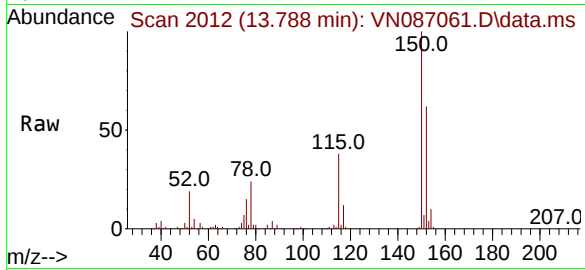
Acq: 17 Jun 2025 15:47

Instrument :

MSVOA_N

ClientSampleId :

WC



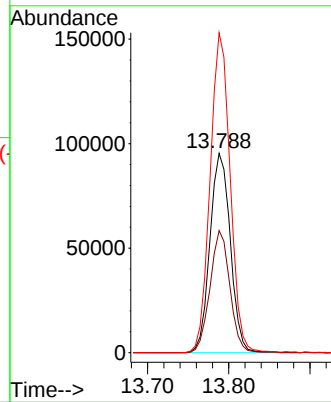
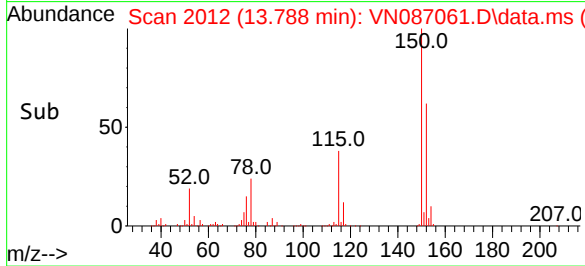
Tgt Ion:152 Resp: 166331

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.5

150 157.5 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087047.D
Acq On : 17 Jun 2025 10:20
Operator : JC\MD
Sample : VN0617WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 18 01:43:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	200915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	403651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	368689	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	170553	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	148580	55.234	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.460%
35) Dibromofluoromethane	8.177	113	126383	52.833	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.660%
50) Toluene-d8	10.565	98	504769	53.303	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.600%
62) 4-Bromofluorobenzene	12.847	95	176121	50.058	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.120%

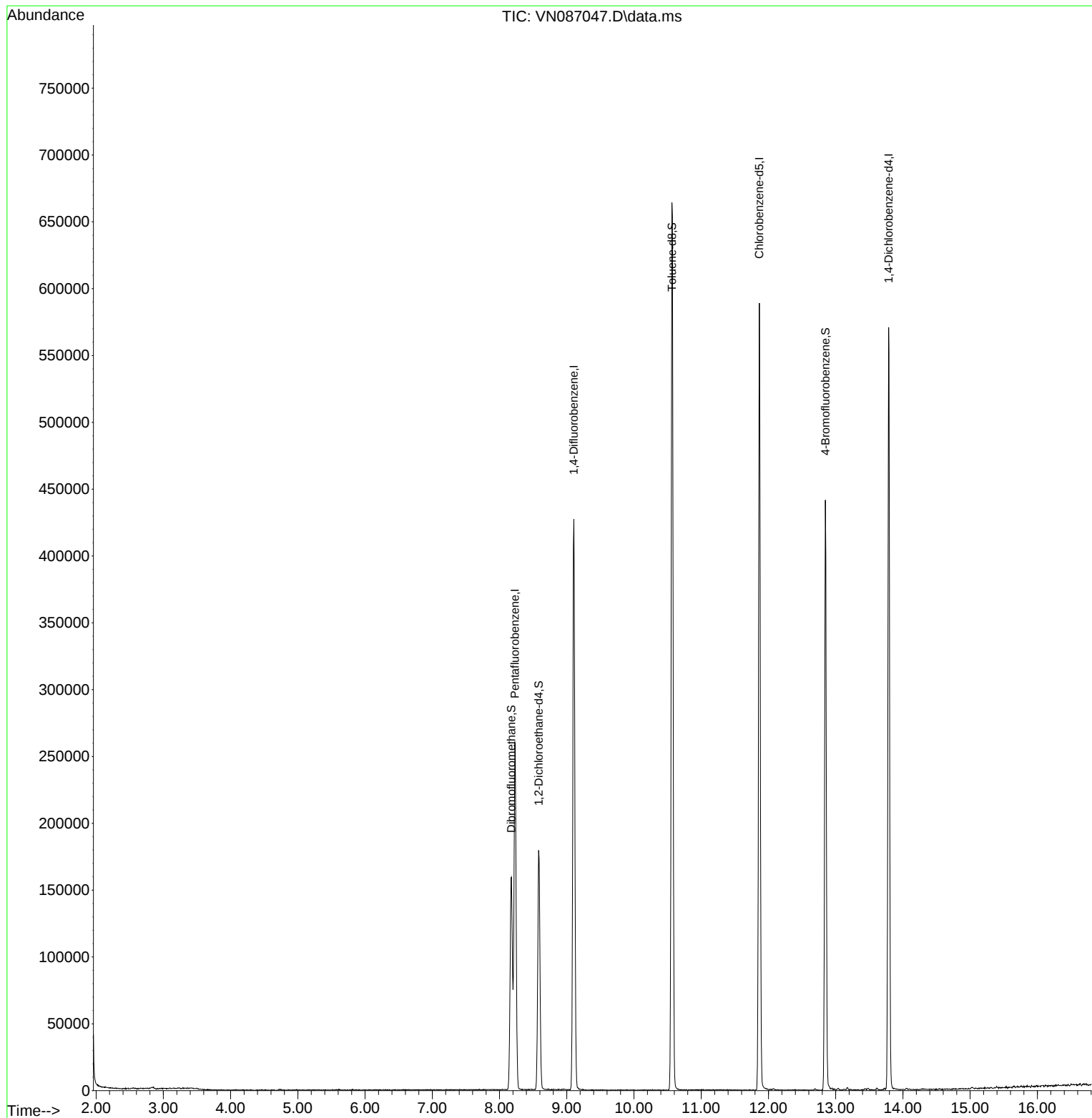
Target Compounds	Qvalue

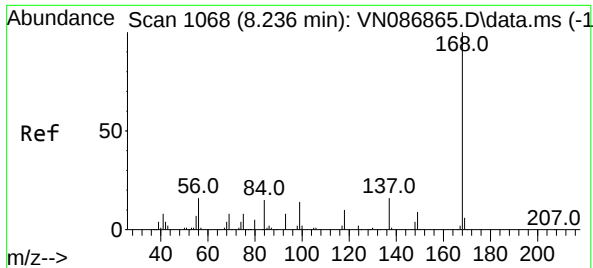
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087047.D
Acq On : 17 Jun 2025 10:20
Operator : JC\MD
Sample : VN0617WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBL01

Quant Time: Jun 18 01:43:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

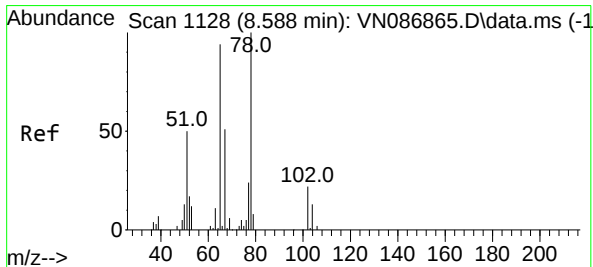
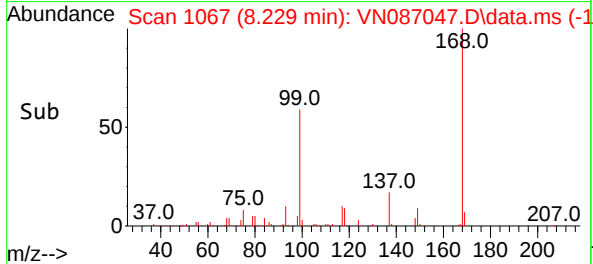
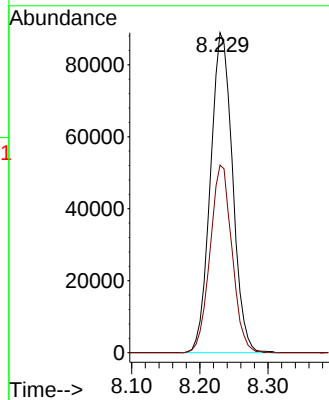
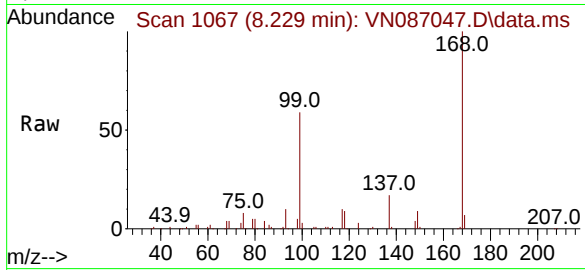




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.007 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

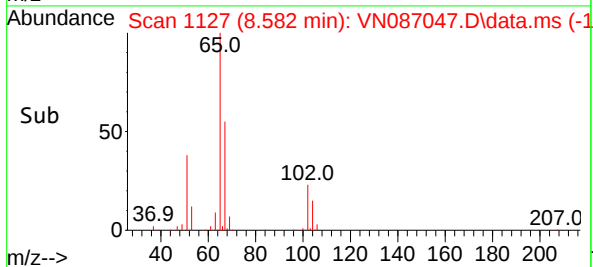
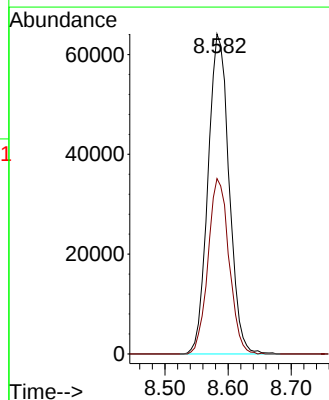
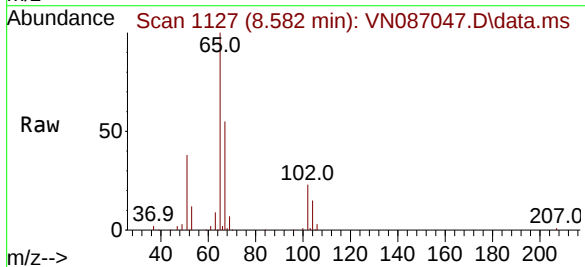
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBL01

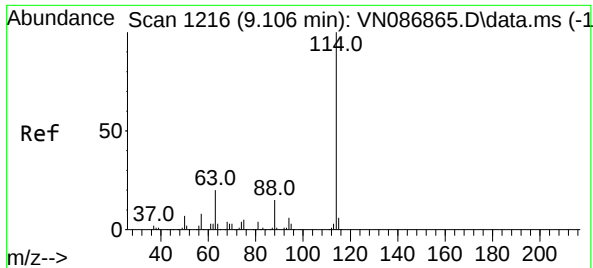
Tgt Ion:168 Resp: 200915
Ion Ratio Lower Upper
168 100
99 58.6 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 55.234 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

Tgt Ion: 65 Resp: 148580
Ion Ratio Lower Upper
65 100
67 54.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087047.D

Acq: 17 Jun 2025 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBL01

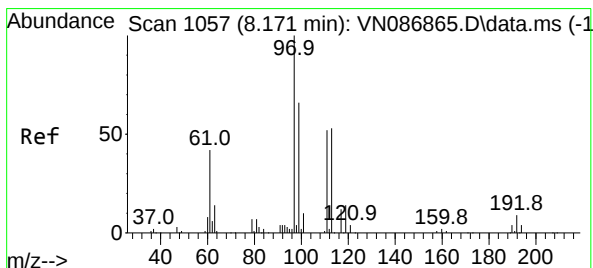
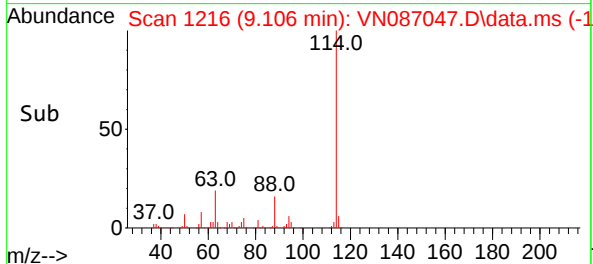
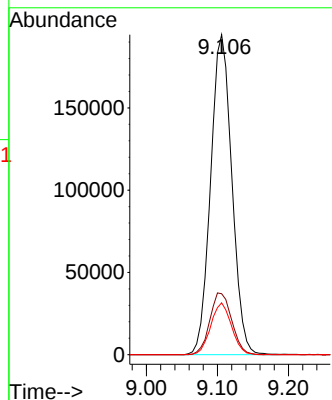
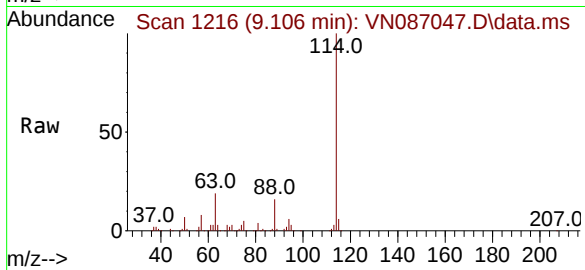
Tgt Ion:114 Resp: 403651

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 16.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 52.833 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087047.D

Acq: 17 Jun 2025 10:20

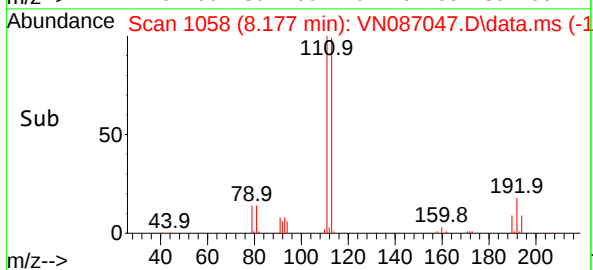
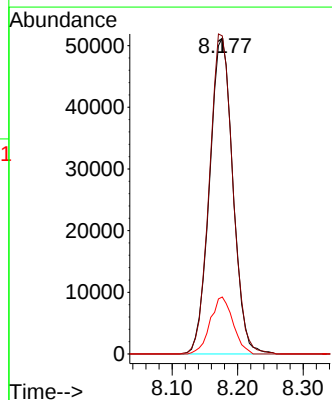
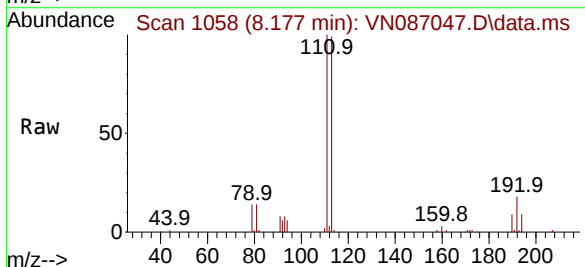
Tgt Ion:113 Resp: 126383

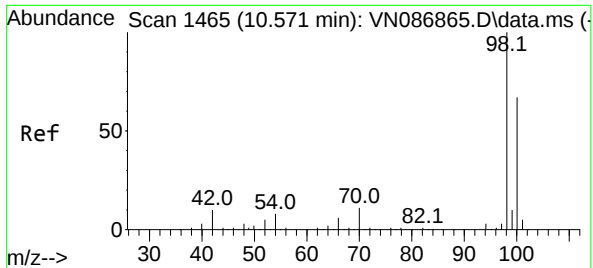
Ion Ratio Lower Upper

113 100

111 101.3 84.2 126.2

192 17.6 14.2 21.4

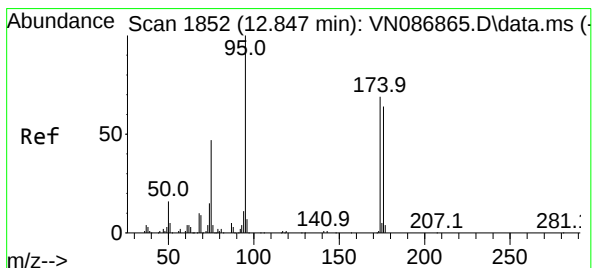
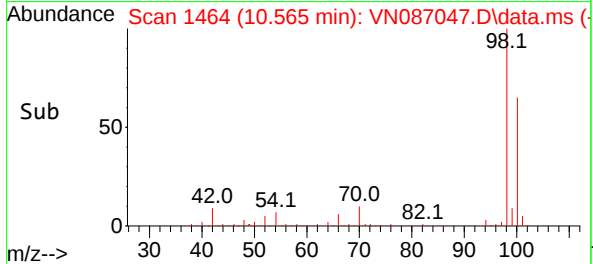
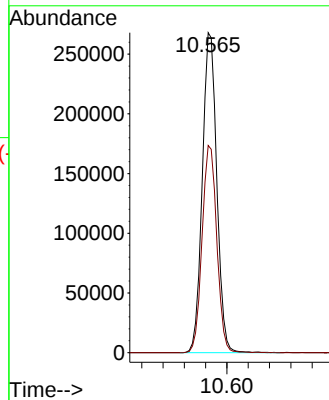
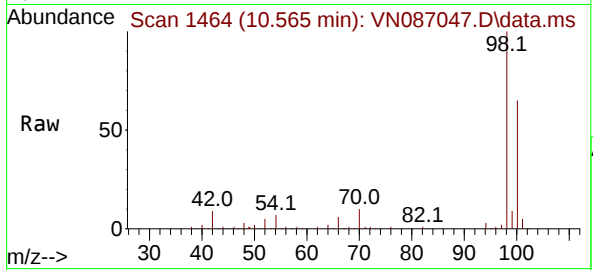




#50
Toluene-d8
Concen: 53.303 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

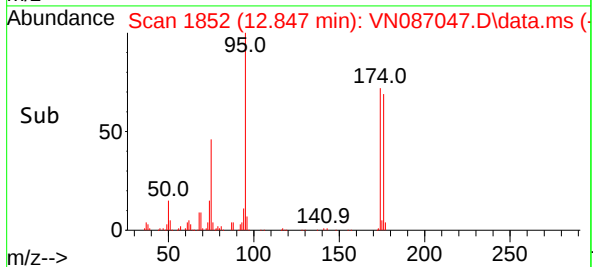
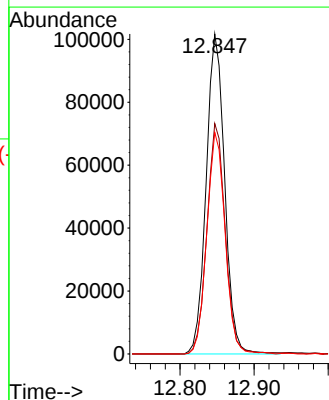
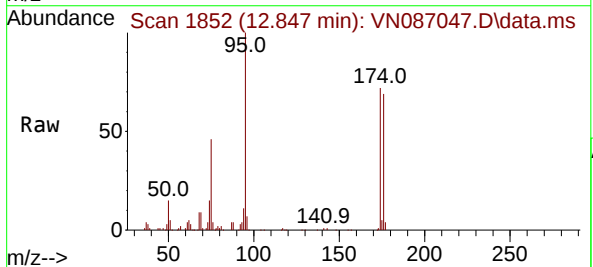
Instrument :
MSVOA_N
ClientSampleId :
VN0617WBL01

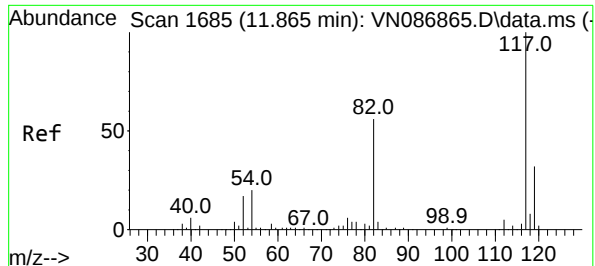
Tgt Ion: 98 Resp: 504769
Ion Ratio Lower Upper
98 100
100 65.8 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 50.058 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087047.D
Acq: 17 Jun 2025 10:20

Tgt Ion: 95 Resp: 176121
Ion Ratio Lower Upper
95 100
174 71.5 0.0 141.8
176 68.7 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087047.D

Acq: 17 Jun 2025 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0617WBL01

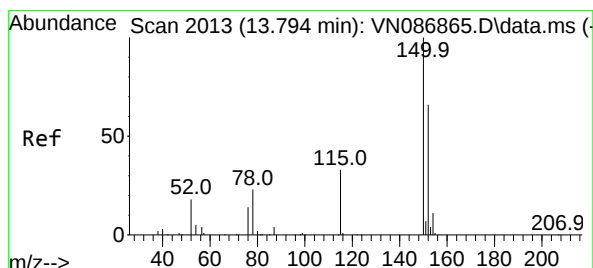
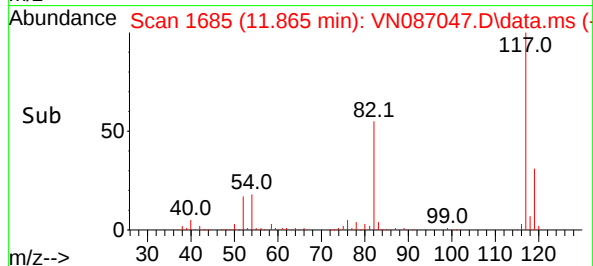
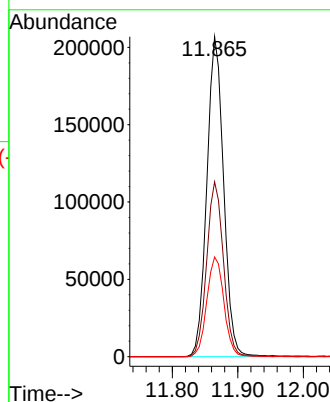
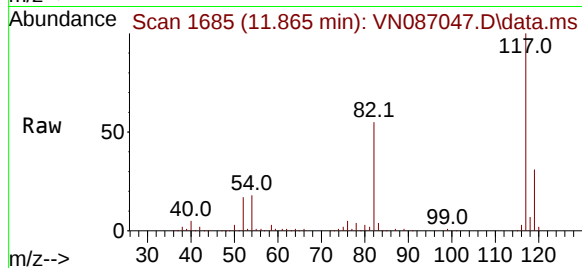
Tgt Ion:117 Resp: 368689

Ion Ratio Lower Upper

117 100

82 54.7 44.6 67.0

119 31.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN087047.D

Acq: 17 Jun 2025 10:20

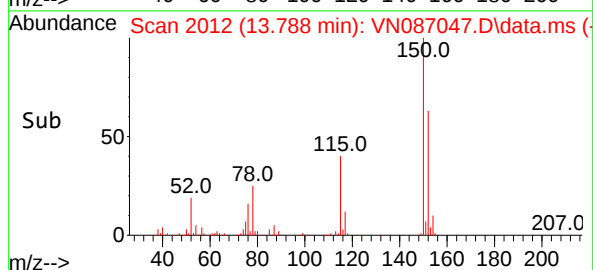
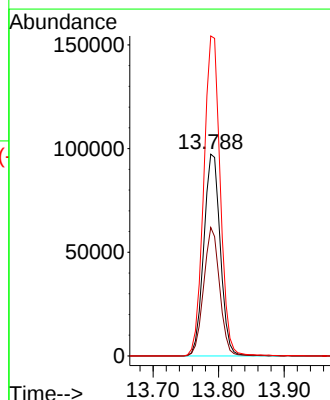
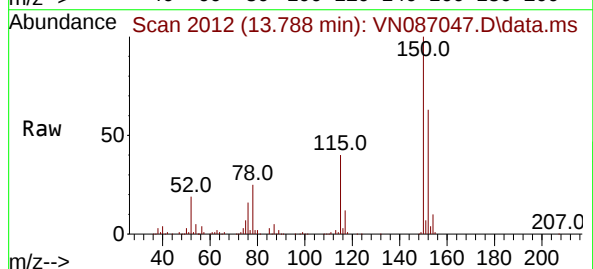
Tgt Ion:152 Resp: 170553

Ion Ratio Lower Upper

152 100

115 61.4 30.1 90.5

150 158.6 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087051.D
 Acq On : 17 Jun 2025 11:59
 Operator : JC\MD
 Sample : VN0617WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/18/2025
 Supervised By : Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 01:44:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	157438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	281588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	248700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	102637	48.691	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.380%		
35) Dibromofluoromethane	8.177	113	87035	52.156	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.320%		
50) Toluene-d8	10.565	98	330063	49.963	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.920%		
62) 4-Bromofluorobenzene	12.847	95	127024	51.754	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.154	85	31857	20.294	ug/l	99
3) Chloromethane	2.401	50	35820	17.671	ug/l	96
4) Vinyl Chloride	2.554	62	44895	21.470	ug/l	99
5) Bromomethane	3.001	94	23461	20.050	ug/l	89
6) Chloroethane	3.159	64	29185	21.608	ug/l	99
7) Trichlorofluoromethane	3.530	101	57670	21.109	ug/l	96
8) Diethyl Ether	3.989	74	25284	21.241	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.400	101	35697	20.797	ug/l	98
10) Methyl Iodide	4.612	142	21949	9.865	ug/l	97
11) Tert butyl alcohol	5.536	59	51022	89.205	ug/l	98
12) 1,1-Dichloroethene	4.371	96	38036	21.706	ug/l	90
13) Acrolein	4.200	56	28602	157.981	ug/l	100
14) Allyl chloride	5.053	41	53962	18.568	ug/l	96
15) Acrylonitrile	5.736	53	127531	95.394	ug/l	99
16) Acetone	4.448	43	99313	88.843	ug/l	100
17) Carbon Disulfide	4.742	76	107330	22.143	ug/l	97
18) Methyl Acetate	5.047	43	52657	16.164	ug/l	95
19) Methyl tert-butyl Ether	5.812	73	125530	19.785	ug/l	97
20) Methylene Chloride	5.300	84	41757	19.953	ug/l	95
21) trans-1,2-Dichloroethene	5.812	96	40883	20.970	ug/l	93
22) Diisopropyl ether	6.683	45	117172	19.127	ug/l	98
23) Vinyl Acetate	6.618	43	515374	99.575	ug/l	98
24) 1,1-Dichloroethane	6.589	63	72122	20.458	ug/l	98
25) 2-Butanone	7.494	43	160313	88.228	ug/l	99
26) 2,2-Dichloropropane	7.500	77	61973	22.599	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	48236	20.688	ug/l	98
28) Bromochloromethane	7.824	49	30593	17.650	ug/l	89
29) Tetrahydrofuran	7.847	42	108501	91.665	ug/l	94
30) Chloroform	7.971	83	70607	20.055	ug/l	99
31) Cyclohexane	8.265	56	63824	18.668	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	60917	20.344	ug/l	93
36) 1,1-Dichloropropene	8.383	75	52690	21.189	ug/l	98
37) Ethyl Acetate	7.571	43	64952	20.519	ug/l	99
38) Carbon Tetrachloride	8.371	117	50957	20.873	ug/l	95
39) Methylcyclohexane	9.600	83	58485	17.167	ug/l	97
40) Benzene	8.612	78	169691	20.869	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087051.D
 Acq On : 17 Jun 2025 11:59
 Operator : JC\MD
 Sample : VN0617WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBS01

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/18/2025
 Supervised By : Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 01:44:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	33778	19.000	ug/l	95
42) 1,2-Dichloroethane	8.677	62	51707	20.965	ug/l	100
43) Isopropyl Acetate	8.694	43	94051	18.512	ug/l	96
44) Trichloroethene	9.353	130	41200	21.368	ug/l	98
45) 1,2-Dichloropropane	9.624	63	41010	20.731	ug/l	99
46) Dibromomethane	9.712	93	28519	21.704	ug/l	95
47) Bromodichloromethane	9.888	83	56790	21.006	ug/l	98
48) Methyl methacrylate	9.682	41	44182	18.894	ug/l	97
49) 1,4-Dioxane	9.706	88	16851	396.113	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	284888	93.145	ug/l	97
52) Toluene	10.629	92	106583	21.448	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	63945	21.153	ug/l	95
54) cis-1,3-Dichloropropene	10.312	75	67853	20.978	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	40974	21.429	ug/l	97
56) Ethyl methacrylate	10.882	69	61756	20.278	ug/l	93
57) 1,3-Dichloropropane	11.165	76	70252	21.180	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	167427	92.171	ug/l	98
59) 2-Hexanone	11.206	43	168311	85.432	ug/l	93
60) Dibromochloromethane	11.359	129	42009	21.087	ug/l	99
61) 1,2-Dibromoethane	11.471	107	41422	21.135	ug/l	97
64) Tetrachloroethene	11.106	164	32201	20.459	ug/l	95
65) Chlorobenzene	11.888	112	117016	21.333	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	38683	21.939	ug/l	98
67) Ethyl Benzene	11.965	91	191185	20.235	ug/l	99
68) m/p-Xylenes	12.071	106	153323	42.393	ug/l	98
69) o-Xylene	12.400	106	74694	21.564	ug/l	97
70) Styrene	12.412	104	129584	21.862	ug/l	98
71) Bromoform	12.576	173	28209	21.592	ug/l #	95
73) Isopropylbenzene	12.694	105	183037	20.505	ug/l	99
74) N-amyl acetate	12.547	43	57325m	18.378	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	64970	21.484	ug/l	99
76) 1,2,3-Trichloropropane	12.988	75	54364m	18.665	ug/l	
77) Bromobenzene	12.982	156	45556	22.254	ug/l	95
78) n-propylbenzene	13.035	91	211448	19.492	ug/l	96
79) 2-Chlorotoluene	13.123	91	130050	19.991	ug/l	96
80) 1,3,5-Trimethylbenzene	13.171	105	146312	19.853	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	22976	18.159	ug/l #	91
82) 4-Chlorotoluene	13.218	91	130303	19.795	ug/l	96
83) tert-Butylbenzene	13.435	119	124546	18.462	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	150274	20.334	ug/l	100
85) sec-Butylbenzene	13.612	105	175237	17.887	ug/l	97
86) p-Isopropyltoluene	13.729	119	152581	18.841	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	85450	21.216	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	85795	20.893	ug/l	98
89) n-Butylbenzene	14.053	91	126981	16.188	ug/l	95
90) Hexachloroethane	14.335	117	24929	18.160	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	83067	21.467	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14110	19.510	ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	44436	17.983	ug/l	95
94) Hexachlorobutadiene	15.500	225	12332	13.396	ug/l	96
95) Naphthalene	15.635	128	237029	25.772	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.835	180	42260	17.214	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087051.D
Acq On : 17 Jun 2025 11:59
Operator : JC\MD
Sample : VN0617WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 18 01:44:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

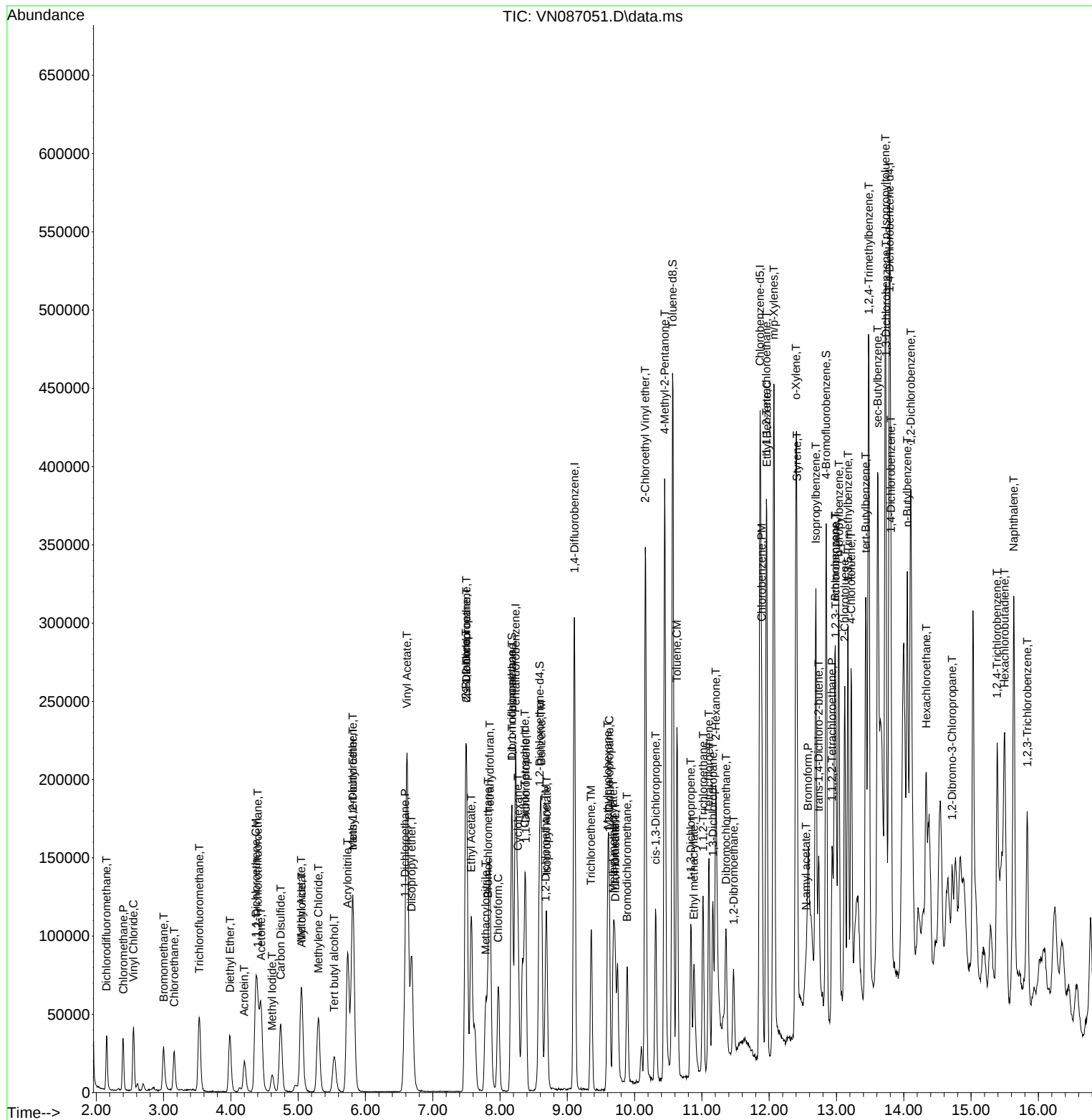
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087052.D
 Acq On : 17 Jun 2025 12:35
 Operator : JC\MD
 Sample : VN0617WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 01:45:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	171983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	303445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	107906	46.861	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.720%		
35) Dibromofluoromethane	8.177	113	93908	52.221	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.440%		
50) Toluene-d8	10.571	98	350871	49.287	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.580%		
62) 4-Bromofluorobenzene	12.847	95	133701	50.551	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	32852	19.158	ug/l	99
3) Chloromethane	2.395	50	34315	15.497	ug/l	99
4) Vinyl Chloride	2.553	62	44502	19.483	ug/l	95
5) Bromomethane	3.000	94	24187	18.922	ug/l	95
6) Chloroethane	3.159	64	29394	19.922	ug/l	98
7) Trichlorofluoromethane	3.530	101	58727	19.678	ug/l	100
8) Diethyl Ether	3.989	74	27627	21.247	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.406	101	37050	19.760	ug/l	97
10) Methyl Iodide	4.618	142	24828	10.215	ug/l	96
11) Tert butyl alcohol	5.530	59	53970	86.379	ug/l	99
12) 1,1-Dichloroethene	4.371	96	39568	20.671	ug/l	86
13) Acrolein	4.206	56	30310	153.257	ug/l	99
14) Allyl chloride	5.053	41	52359	16.493	ug/l	95
15) Acrylonitrile	5.736	53	134869	92.351	ug/l	100
16) Acetone	4.447	43	98290	80.492	ug/l	95
17) Carbon Disulfide	4.742	76	110387	20.848	ug/l	97
18) Methyl Acetate	5.047	43	53013	14.897	ug/l	94
19) Methyl tert-butyl Ether	5.818	73	136458	19.688	ug/l	97
20) Methylene Chloride	5.300	84	44917	19.647	ug/l	88
21) trans-1,2-Dichloroethene	5.812	96	43284	20.324	ug/l	91
22) Diisopropyl ether	6.688	45	121681	18.183	ug/l #	96
23) Vinyl Acetate	6.618	43	533977	94.444	ug/l	97
24) 1,1-Dichloroethane	6.588	63	73294	19.032	ug/l	100
25) 2-Butanone	7.494	43	166367	83.817	ug/l	93
26) 2,2-Dichloropropane	7.500	77	62886	20.993	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	51264	20.127	ug/l	95
28) Bromochloromethane	7.824	49	32878	17.364	ug/l	89
29) Tetrahydrofuran	7.847	42	110194	85.222	ug/l	91
30) Chloroform	7.977	83	74260	19.309	ug/l	99
31) Cyclohexane	8.265	56	65250	17.471	ug/l	88
32) 1,1,1-Trichloroethane	8.177	97	62815	19.204	ug/l	99
36) 1,1-Dichloropropene	8.382	75	55184	20.594	ug/l	99
37) Ethyl Acetate	7.571	43	62702m	18.381	ug/l	
38) Carbon Tetrachloride	8.371	117	52548	19.974	ug/l	98
39) Methylcyclohexane	9.606	83	60644	16.519	ug/l	96
40) Benzene	8.612	78	178683	20.392	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087052.D
 Acq On : 17 Jun 2025 12:35
 Operator : JC\MD
 Sample : VN0617WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0617WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
 Supervised By :Mahesh Dadoda 06/18/2025

Quant Time: Jun 18 01:45:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	33206	17.333	ug/l	92
42) 1,2-Dichloroethane	8.677	62	53416	20.098	ug/l	98
43) Isopropyl Acetate	8.694	43	98853	18.055	ug/l	95
44) Trichloroethene	9.359	130	44074	21.212	ug/l	98
45) 1,2-Dichloropropane	9.624	63	42620	19.993	ug/l	92
46) Dibromomethane	9.712	93	30004	21.190	ug/l	96
47) Bromodichloromethane	9.888	83	60069	20.619	ug/l	98
48) Methyl methacrylate	9.682	41	43909	17.425	ug/l	92
49) 1,4-Dioxane	9.700	88	17810	388.500	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	303487	92.078	ug/l	97
52) Toluene	10.629	92	111495	20.821	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	67454	20.706	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	73512	21.090	ug/l	92
55) 1,1,2-Trichloroethane	11.018	97	43421	21.073	ug/l	98
56) Ethyl methacrylate	10.882	69	68003	20.721	ug/l #	93
57) 1,3-Dichloropropane	11.165	76	72899	20.395	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	178821	91.353	ug/l	96
59) 2-Hexanone	11.206	43	175135	82.492	ug/l	88
60) Dibromochloromethane	11.359	129	46880	21.837	ug/l	100
61) 1,2-Dibromoethane	11.470	107	45506	21.547	ug/l	99
64) Tetrachloroethene	11.106	164	35206	21.188	ug/l	92
65) Chlorobenzene	11.894	112	124039	21.420	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	40384	21.695	ug/l	98
67) Ethyl Benzene	11.965	91	203154	20.367	ug/l	98
68) m/p-Xylenes	12.070	106	163156	42.731	ug/l	96
69) o-Xylene	12.394	106	79158	21.646	ug/l	95
70) Styrene	12.412	104	133343	21.309	ug/l	99
71) Bromoform	12.582	173	30707	22.264	ug/l #	96
73) Isopropylbenzene	12.694	105	187504	19.831	ug/l	99
74) N-amyl acetate	12.547	43	56686m	17.156	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	68144	21.274	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	57000m	18.476	ug/l	
77) Bromobenzene	12.982	156	47832	22.059	ug/l	95
78) n-propylbenzene	13.035	91	216960	18.881	ug/l	98
79) 2-Chlorotoluene	13.123	91	138007	20.027	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	149431	19.142	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	24159	18.026	ug/l	97
82) 4-Chlorotoluene	13.217	91	140095	20.092	ug/l	99
83) tert-Butylbenzene	13.435	119	130042	18.198	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	152004	19.418	ug/l	97
85) sec-Butylbenzene	13.612	105	176580	17.016	ug/l	100
86) p-Isopropyltoluene	13.729	119	150247	17.515	ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	88414	20.724	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	90913	20.901	ug/l	99
89) n-Butylbenzene	14.053	91	131374	15.811	ug/l	99
90) Hexachloroethane	14.329	117	25503	17.539	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	84520	20.621	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14366	18.753	ug/l	86
93) 1,2,4-Trichlorobenzene	15.388	180	44937	17.169	ug/l	96
94) Hexachlorobutadiene	15.500	225	13638	13.986	ug/l	97
95) Naphthalene	15.635	128	203721	20.911	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	42367	16.292	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087052.D
Acq On : 17 Jun 2025 12:35
Operator : JC\MD
Sample : VN0617WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 18 01:45:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

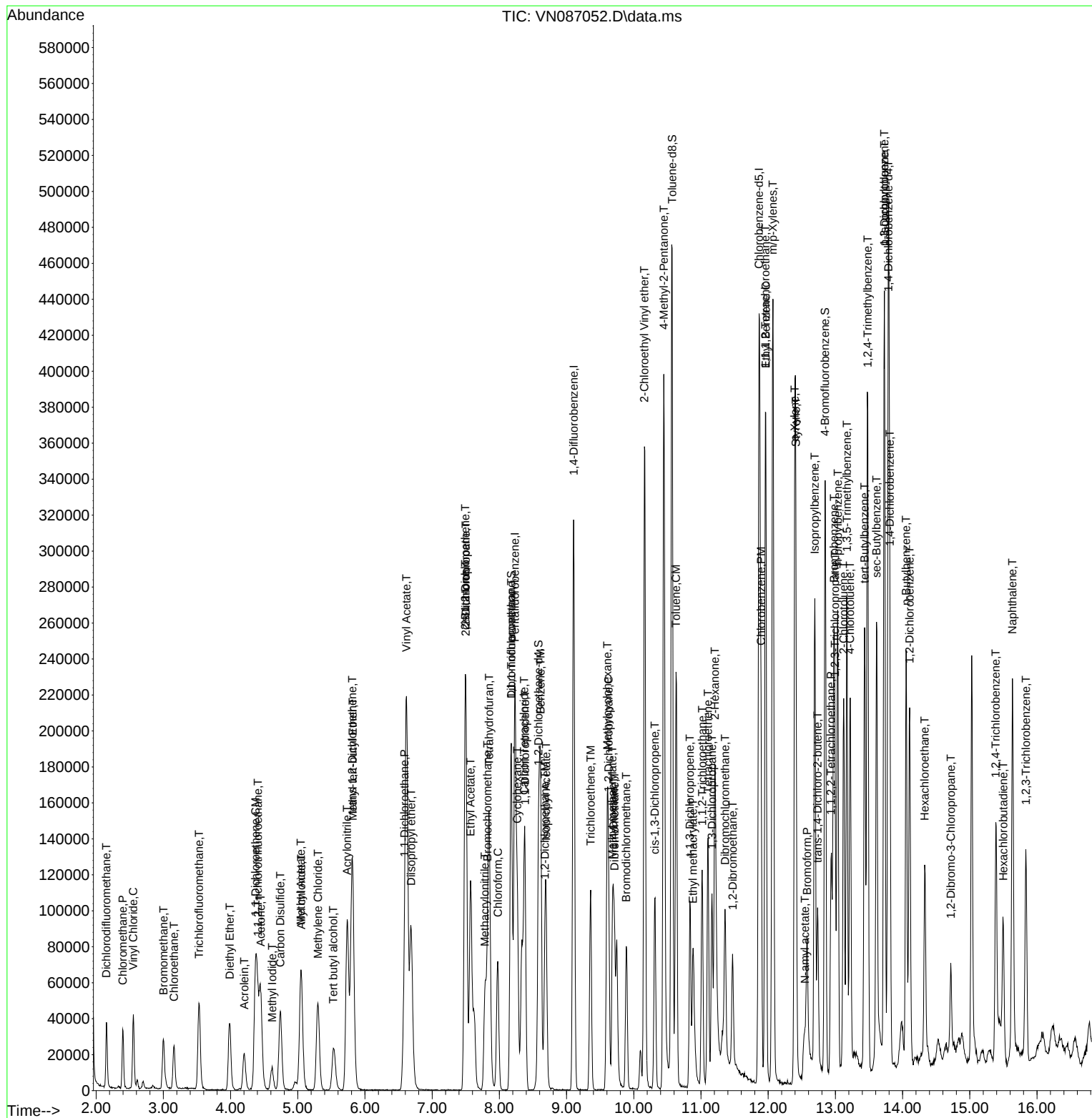
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
Data File : VN087052.D
Acq On : 17 Jun 2025 12:35
Operator : JC\MD
Sample : VN0617WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0617WBSD01

Quant Time: Jun 18 01:45:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Manual Integrations

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

vn060625

Instrument

MSVOA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	VN061725	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087045.D	1,2,3-Trichloropropane	SAM	6/18/2025 2:44:22 PM	MMDadoda	6/18/2025 5:31:24 PM	Peak Integrated by Software
VSTDCCC050	VN087045.D	trans-1,4-Dichloro-2-butene	SAM	6/18/2025 2:44:22 PM	MMDadoda	6/18/2025 5:31:24 PM	Peak Integrated by Software
VN0617WBS01	VN087051.D	1,2,3-Trichloropropane	SAM	6/18/2025 3:05:24 PM	MMDadoda	6/18/2025 6:18:37 PM	Peak Integrated by Software
VN0617WBS01	VN087051.D	N-amyl acetate	SAM	6/18/2025 3:05:24 PM	MMDadoda	6/18/2025 6:18:37 PM	Peak Integrated by Software
VN0617WBSD01	VN087052.D	1,2,3-Trichloropropane	SAM	6/18/2025 2:44:39 PM	MMDadoda	6/18/2025 6:18:47 PM	Peak Integrated by Software
VN0617WBSD01	VN087052.D	Ethyl Acetate	SAM	6/18/2025 2:44:39 PM	MMDadoda	6/18/2025 6:18:47 PM	Peak Integrated by Software
VN0617WBSD01	VN087052.D	N-amyl acetate	SAM	6/18/2025 2:44:39 PM	MMDadoda	6/18/2025 6:18:47 PM	Peak Integrated by Software
VSTDCCC050	VN087072.D	1,2,3-Trichloropropane	SAM	6/18/2025 3:09:17 PM	MMDadoda	6/18/2025 6:19:33 PM	Peak Integrated by Software
VSTDCCC050	VN087072.D	N-amyl acetate	SAM	6/18/2025 3:09:17 PM	MMDadoda	6/18/2025 6:19:33 PM	Peak Integrated by Software

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134155		
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC	VP134156		
Internal Standard/PEM			
ICV/I.BLK	VP134248		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDIC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDIC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDIC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDIC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDIC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDIC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134155		
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC	VP134156		
Internal Standard/PEM			
ICV/I.BLK	VP134248		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QCBatch ID # VN061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 3:15:59 PM
Supervise By	Maresh Dadoda	Supervise On	6/18/2025 6:19:51 PM
SubDirectory	VN061725	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134375		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134376,VP134377		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087044.D	17 Jun 2025 08:51	JC\MD	Ok
2	VSTDCCC050	VN087045.D	17 Jun 2025 09:25	JC\MD	Ok,M
3	VN0617MBL01	VN087046.D	17 Jun 2025 09:59	JC\MD	Ok
4	VN0617WBL01	VN087047.D	17 Jun 2025 10:20	JC\MD	Ok
5	VN0617MBS01	VN087048.D	17 Jun 2025 10:41	JC\MD	Ok,M
6	Q2307-03	VN087049.D	17 Jun 2025 11:16	JC\MD	Ok
7	Q2286-01ME	VN087050.D	17 Jun 2025 11:37	JC\MD	Ok
8	VN0617WBS01	VN087051.D	17 Jun 2025 11:59	JC\MD	Ok,M
9	VN0617WBSD01	VN087052.D	17 Jun 2025 12:35	JC\MD	Ok,M
10	Q2299-16DL	VN087053.D	17 Jun 2025 12:56	JC\MD	Ok
11	Q2299-18DL	VN087054.D	17 Jun 2025 13:18	JC\MD	Ok
12	Q2299-17DL	VN087055.D	17 Jun 2025 13:39	JC\MD	Ok
13	PB168498TB	VN087056.D	17 Jun 2025 14:00	JC\MD	Ok
14	Q2311-04	VN087057.D	17 Jun 2025 14:22	JC\MD	Ok
15	Q2311-08	VN087058.D	17 Jun 2025 14:43	JC\MD	Ok
16	Q2312-04	VN087059.D	17 Jun 2025 15:04	JC\MD	Ok
17	Q2319-04	VN087060.D	17 Jun 2025 15:26	JC\MD	Ok
18	Q2320-01	VN087061.D	17 Jun 2025 15:47	JC\MD	Ok
19	Q2325-04	VN087062.D	17 Jun 2025 16:08	JC\MD	Ok,M
20	Q2329-01	VN087063.D	17 Jun 2025 16:30	JC\MD	Ok,M
21	Q2329-02	VN087064.D	17 Jun 2025 16:51	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QCBatch ID # VN061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 3:15:59 PM
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:19:51 PM
SubDirectory	VN061725	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134375		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134376,VP134377		

22	Q2329-03	VN087065.D	17 Jun 2025 17:13	JC\MD	Ok
23	Q2329-04	VN087066.D	17 Jun 2025 17:34	JC\MD	Ok
24	Q2329-05	VN087067.D	17 Jun 2025 17:56	JC\MD	Ok
25	Q2329-06	VN087068.D	17 Jun 2025 18:17	JC\MD	Ok
26	Q2299-05	VN087069.D	17 Jun 2025 18:39	JC\MD	Ok
27	Q2299-03MS	VN087070.D	17 Jun 2025 19:00	JC\MD	Not Ok
28	Q2299-04MSD	VN087071.D	17 Jun 2025 19:22	JC\MD	Ok,M
29	VSTDCCC050	VN087072.D	17 Jun 2025 19:43	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134155		
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC	VP134156		
Internal Standard/PEM			
ICV/I.BLK	VP134248		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	Maresh Dadoda	Supervise On	6/9/2025 1:13:51 PM
SubDirectory	VN060625	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134155		
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247		
CCC	VP134156		
Internal Standard/PEM			
ICV/I.BLK	VP134248		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 3:15:59 PM
Supervise By	Maresh Dadoda	Supervise On	6/18/2025 6:19:51 PM
SubDirectory	VN061725	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134375		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134376,VP134377		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087044.D	17 Jun 2025 08:51		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087045.D	17 Jun 2025 09:25	pH#Lot#V12668	JC\MD	Ok,M
3	VN0617MBL01	VN0617MBL01	VN087046.D	17 Jun 2025 09:59		JC\MD	Ok
4	VN0617WBL01	VN0617WBL01	VN087047.D	17 Jun 2025 10:20		JC\MD	Ok
5	VN0617MBS01	VN0617MBS01	VN087048.D	17 Jun 2025 10:41		JC\MD	Ok,M
6	Q2307-03	LINDEN-SAA-WATER	VN087049.D	17 Jun 2025 11:16		JC\MD	Ok
7	Q2286-01ME	BP-VPB-182-TB-20250	VN087050.D	17 Jun 2025 11:37		JC\MD	Ok
8	VN0617WBS01	VN0617WBS01	VN087051.D	17 Jun 2025 11:59		JC\MD	Ok,M
9	VN0617WBSD01	VN0617WBSD01	VN087052.D	17 Jun 2025 12:35		JC\MD	Ok,M
10	Q2299-16DL	RE134D4-20250610DL	VN087053.D	17 Jun 2025 12:56	vial B pH<2	JC\MD	Ok
11	Q2299-18DL	TT190D1-20250611DL	VN087054.D	17 Jun 2025 13:18	vial B pH<2	JC\MD	Ok
12	Q2299-17DL	RE134D3-20250610DL	VN087055.D	17 Jun 2025 13:39	vial B pH<2	JC\MD	Ok
13	PB168498TB	PB168498TB	VN087056.D	17 Jun 2025 14:00	vial A pH#5.0	JC\MD	Ok
14	Q2311-04	TP03-MH2MH3-WC	VN087057.D	17 Jun 2025 14:22	vial A pH#6.0	JC\MD	Ok
15	Q2311-08	TP04-MH2MH3-WC	VN087058.D	17 Jun 2025 14:43	vial A pH 7	JC\MD	Ok
16	Q2312-04	TP-1	VN087059.D	17 Jun 2025 15:04	vial A pH 5	JC\MD	Ok
17	Q2319-04	MH-B	VN087060.D	17 Jun 2025 15:26	vial A pH 5	JC\MD	Ok
18	Q2320-01	WC	VN087061.D	17 Jun 2025 15:47	vial A pH#5.0	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 3:15:59 PM
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:19:51 PM
SubDirectory	VN061725	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134375		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134376,VP134377		

19	Q2325-04	TP-8	VN087062.D	17 Jun 2025 16:08	vial A pH 5	JC\MD	Ok,M
20	Q2329-01	TT192D1-20250611	VN087063.D	17 Jun 2025 16:30	vial A pH<2	JC\MD	Ok,M
21	Q2329-02	TT188S1-20250612	VN087064.D	17 Jun 2025 16:51	vial A pH<2	JC\MD	Ok
22	Q2329-03	TT119S1-20250612	VN087065.D	17 Jun 2025 17:13	vial A pH<2	JC\MD	Ok
23	Q2329-04	FB01-20250613	VN087066.D	17 Jun 2025 17:34	vial A pH<2 FB	JC\MD	Ok
24	Q2329-05	TT162S1-20250613	VN087067.D	17 Jun 2025 17:56	vial A pH<2	JC\MD	Ok
25	Q2329-06	BPOW6-7-20250613	VN087068.D	17 Jun 2025 18:17	vial A pH<2	JC\MD	Ok
26	Q2299-05	TT191D1-20250609	VN087069.D	17 Jun 2025 18:39	vial A pH<2	JC\MD	Ok
27	Q2299-03MS	TT191D1-20250609MS	VN087070.D	17 Jun 2025 19:00	vial A pH<2 Surrogate Fail;Recovery failed above 50% compound of client ask parameter	JC\MD	Not Ok
28	Q2299-04MSD	TT191D1-20250609MS	VN087071.D	17 Jun 2025 19:22	vial A pH<2 Surrogate fail	JC\MD	Ok,M
29	VSTDCCC050	VSTDCCC050EC	VN087072.D	17 Jun 2025 19:43		JC\MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q2320	OrderDate:	6/13/2025 12:11:26 PM
Client:	First Environment, Inc.	Project:	EDGEW001 – Veterans Field Edgewater, NJ
Contact:	Ken Cwieka	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2320-01	WC	TCLP	TCLP VOA	8260D	06/13/25		06/17/25	06/13/25