



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

Hit Summary Sheet
SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	B-187-SB02							
Q2177-05	B-187-SB02	TCLP	2-Butanone	10.3	J	0.98	25.0	ug/L
			Total Voc :	10.3				
			Total Concentration:	10.3				



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	05/31/25	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	06/02/25	
Client Sample ID:	B-187-SB01			SDG No.:	Q2177	
Lab Sample ID:	Q2177-03			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:	Prep Date	Date Analyzed	Prep Batch ID
VN086855.D	1		06/03/25 20:12	VN060325

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	49.9		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	8.218			
540-36-3	1,4-Difluorobenzene	429000	9.1			
3114-55-4	Chlorobenzene-d5	389000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.794			

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	05/31/25	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	06/02/25	
Client Sample ID:	B-187-SB02			SDG No.:	Q2177	
Lab Sample ID:	Q2177-05			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:	Prep Date	Date Analyzed	Prep Batch ID
VN086856.D	1		06/03/25 20:36	VN060325

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	10.3	J	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	50.7		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	52.2		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	8.218			
540-36-3	1,4-Difluorobenzene	428000	9.1			
3114-55-4	Chlorobenzene-d5	405000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	181000	13.794			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	05/31/25	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	06/02/25	
Client Sample ID:	B-202-SB01			SDG No.:	Q2177	
Lab Sample ID:	Q2177-07			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:	Prep Date	Date Analyzed	Prep Batch ID
VN086857.D	1		06/03/25 21:00	VN060325

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	51.5		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	52.0		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	8.218			
540-36-3	1,4-Difluorobenzene	418000	9.1			
3114-55-4	Chlorobenzene-d5	403000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	184000	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

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A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2177-03	B-187-SB01	1,2-Dichloroethane-d4	50	49.9	100	70 (74)	130 (125)
		Dibromofluoromethane	50	52.8	106	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.9	102	70 (77)	130 (121)
Q2177-05	B-187-SB02	1,2-Dichloroethane-d4	50	50.7	101	70 (74)	130 (125)
		Dibromofluoromethane	50	53.1	106	70 (75)	130 (124)
		Toluene-d8	50	52.2	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.3	106	70 (77)	130 (121)
Q2177-07	B-202-SB01	1,2-Dichloroethane-d4	50	51.5	103	70 (74)	130 (125)
		Dibromofluoromethane	50	53.2	106	70 (75)	130 (124)
		Toluene-d8	50	52.0	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.6	109	70 (77)	130 (121)
VN0603WBL01	VN0603WBL01	1,2-Dichloroethane-d4	50	46.6	93	70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103	70 (75)	130 (124)
		Toluene-d8	50	51.3	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.9	106	70 (77)	130 (121)
VN0603WBS01	VN0603WBS01	1,2-Dichloroethane-d4	50	45.7	91	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	47.6	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.3	95	70 (77)	130 (121)
VN0603WBSD0	VN0603WBSD01	1,2-Dichloroethane-d4	50	46.4	93	70 (74)	130 (125)
		Dibromofluoromethane	50	50.0	100	70 (75)	130 (124)
		Toluene-d8	50	47.0	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.9	94	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VN086837.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0603WBS01	Vinyl chloride	20	16.7	ug/L	84			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.5	ug/L	93			70 (74)	130 (110)	
	2-Butanone	100	94.0	ug/L	94			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.8	ug/L	94			70 (77)	130 (113)	
	Chloroform	20	18.3	ug/L	92			70 (79)	130 (113)	
	Benzene	20	19.2	ug/L	96			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.3	ug/L	92			70 (80)	130 (115)	
	Trichloroethene	20	18.5	ug/L	93			70 (77)	130 (113)	
	Tetrachloroethene	20	15.8	ug/L	79			70 (67)	130 (123)	
	Chlorobenzene	20	19.5	ug/L	98			70 (82)	130 (109)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VN086838.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0603WBSD01	Vinyl chloride	20	16.1	ug/L	81	4		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	17.9	ug/L	90	3		70 (74)	130 (110)	20 (20)
	2-Butanone	100	94.6	ug/L	95	1		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.5	ug/L	93	1		70 (77)	130 (113)	20 (20)
	Chloroform	20	18.2	ug/L	91	1		70 (79)	130 (113)	20 (20)
	Benzene	20	18.8	ug/L	94	2		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	18.3	ug/L	92	0		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.9	ug/L	90	3		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	15.4	ug/L	77	3		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.4	ug/L	97	1		70 (82)	130 (109)	20 (20)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0603WBL01

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q2177

SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VN086836.D

Lab Sample ID: VN0603WBL01

Date Analyzed: 06/03/2025

Time Analyzed: 12:10

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
VN0603WBS01	VN0603WBS01	VN086837.D	06/03/2025
VN0603WBSD01	VN0603WBSD01	VN086838.D	06/03/2025
B-187-SB01	Q2177-03	VN086855.D	06/03/2025
B-187-SB02	Q2177-05	VN086856.D	06/03/2025
B-202-SB01	Q2177-07	VN086857.D	06/03/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177
Lab File ID: VN086668.D BFB Injection Date: 05/16/2025
Instrument ID: MSVOA_N BFB Injection Time: 15:33
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	17.9
75	30.0 - 60.0% of mass 95	50
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	74.9
175	5.0 - 9.0% of mass 174	5.7 (7.6) 1
176	95.0 - 101.0% of mass 174	73.6 (98.2) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 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
VSTDICC001	VSTDICC001	VN086669.D	05/16/2025	16:31
VSTDICC005	VSTDICC005	VN086670.D	05/16/2025	16:55
VSTDICC010	VSTDICC010	VN086671.D	05/16/2025	17:19
VSTDICC020	VSTDICC020	VN086672.D	05/16/2025	17:43
VSTDICCC050	VSTDICCC050	VN086673.D	05/16/2025	18:08
VSTDICC100	VSTDICC100	VN086674.D	05/16/2025	18:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177
Lab File ID: VN086834.D BFB Injection Date: 06/03/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:47
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.8
75	30.0 - 60.0% of mass 95	47.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	69.9
175	5.0 - 9.0% of mass 174	5.5 (7.9) 1
176	95.0 - 101.0% of mass 174	68.3 (97.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086835.D	06/03/2025	11:30
VN0603WBL01	VN0603WBL01	VN086836.D	06/03/2025	12:10
VN0603WBS01	VN0603WBS01	VN086837.D	06/03/2025	12:46
VN0603WBSD01	VN0603WBSD01	VN086838.D	06/03/2025	13:20
B-187-SB01	Q2177-03	VN086855.D	06/03/2025	20:12
B-187-SB02	Q2177-05	VN086856.D	06/03/2025	20:36
B-202-SB01	Q2177-07	VN086857.D	06/03/2025	21:00

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177
Lab File ID: VN086835.D Date Analyzed: 06/03/2025
Instrument ID: MSVOA_N Time Analyzed: 11:30
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	307948	8.22	547716	9.09	465701	11.87
UPPER LIMIT	615896	8.718	1095430	9.594	931402	12.365
LOWER LIMIT	153974	7.718	273858	8.594	232851	11.365
EPA SAMPLE NO.						
B-187-SB01	220507	8.22	428516	9.10	389120	11.87
B-187-SB02	221135	8.22	428494	9.10	404884	11.87
B-202-SB01	214739	8.22	418395	9.10	402557	11.87
VN0603WBL01	257056	8.22	493879	9.09	460882	11.87
VN0603WBS01	311874	8.22	552803	9.09	467842	11.87
VN0603WBSD01	283988	8.22	510275	9.09	430553	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: PORT06
 Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177
 Lab File ID: VN086835.D Date Analyzed: 06/03/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:30
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	208517	13.788				
UPPER LIMIT	417034	14.288				
LOWER LIMIT	104259	13.288				
EPA SAMPLE NO.						
B-187-SB01	163382	13.79				
B-187-SB02	181011	13.79				
B-202-SB01	183854	13.79				
VN0603WBL01	202290	13.79				
VN0603WBS01	208414	13.79				
VN0603WBSD01	192303	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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0603WBL01	SDG No.:	Q2177
Lab Sample ID:	VN0603WBL01	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
VN086836.D	1		06/03/25 12:10	VN060325

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	46.6		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	257000	8.218			
540-36-3	1,4-Difluorobenzene	494000	9.094			
3114-55-4	Chlorobenzene-d5	461000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	202000	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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0603WBS01	SDG No.:	Q2177
Lab Sample ID:	VN0603WBS01	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
VN086837.D	1		06/03/25 12:46	VN060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.7		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.5		0.23	5.00	ug/L
78-93-3	2-Butanone	94.0		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	5.00	ug/L
67-66-3	Chloroform	18.3		0.25	5.00	ug/L
71-43-2	Benzene	19.2		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.22	5.00	ug/L
79-01-6	Trichloroethene	18.5		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	15.8		0.23	5.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		70 (74) - 130 (125)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	312000	8.218			
540-36-3	1,4-Difluorobenzene	553000	9.094			
3114-55-4	Chlorobenzene-d5	468000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	208000	13.788			

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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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VN0603WBSD01	SDG No.:	Q2177
Lab Sample ID:	VN0603WBSD01	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
VN086838.D	1		06/03/25 13:20	VN060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	16.1		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.23	5.00	ug/L
78-93-3	2-Butanone	94.6		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.5		0.25	5.00	ug/L
67-66-3	Chloroform	18.2		0.25	5.00	ug/L
71-43-2	Benzene	18.8		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.22	5.00	ug/L
79-01-6	Trichloroethene	17.9		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	15.4		0.23	5.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	47.0		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	8.218			
540-36-3	1,4-Difluorobenzene	510000	9.094			
3114-55-4	Chlorobenzene-d5	431000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	192000	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

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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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: PORT06
 Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177
 Instrument ID: MSVOA_N Calibration Date(s): 05/16/2025 05/16/2025
 Heated Purge: (Y/N) N Calibration Time(s): 16:31 18:32
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086669.D		RRF005 = VN086670.D		RRF010 = VN086671.D			
		RRF020 = VN086672.D		RRF050 = VN086673.D		RRF100 = VN086674.D			
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD	
Vinyl Chloride	0.655	0.708	0.780	0.713	0.753	0.792	0.733	7	
1,1-Dichloroethene	0.531	0.563	0.563	0.557	0.548	0.583	0.558	3.1	
2-Butanone	0.361	0.404	0.398	0.414	0.402	0.418	0.399	5.1	
Carbon Tetrachloride	0.384	0.438	0.430	0.460	0.430	0.454	0.433	6.2	
Chloroform	1.061	1.146	1.109	1.173	1.093	1.133	1.119	3.5	
Benzene	1.348	1.429	1.447	1.484	1.402	1.487	1.433	3.7	
1,2-Dichloroethane	0.413	0.457	0.451	0.467	0.438	0.452	0.446	4.2	
Trichloroethene	0.306	0.341	0.358	0.361	0.343	0.365	0.346	6.3	
Tetrachloroethene	0.357	0.396	0.392	0.392	0.369	0.392	0.383	4.2	
Chlorobenzene	1.030	1.112	1.109	1.138	1.060	1.130	1.096	3.9	
1,2-Dichloroethane-d4		0.718	0.658	0.687	0.693	0.698	0.691	3.2	
Dibromofluoromethane		0.300	0.289	0.291	0.298	0.311	0.298	3	
Toluene-d8		1.203	1.159	1.233	1.250	1.325	1.234	5	
4-Bromofluorobenzene		0.412	0.403	0.433	0.450	0.481	0.436	7.2	

* 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: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_N Calibration Date/Time: 06/03/2025 11:30

Lab File ID: VN086835.D Init. Calib. Date(s): 05/16/2025 05/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 16:31 18:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.733	0.619		-15.55	20
1,1-Dichloroethene	0.558	0.513		-8.06	20
2-Butanone	0.399	0.374		-6.27	20
Carbon Tetrachloride	0.433	0.409		-5.54	20
Chloroform	1.119	1.032		-7.78	20
Benzene	1.433	1.362		-4.95	20
1,2-Dichloroethane	0.446	0.408		-8.52	20
Trichloroethene	0.346	0.320		-7.51	20
Tetrachloroethene	0.383	0.305		-20.37	20
Chlorobenzene	1.096	1.058	0.3	-3.47	20
1,2-Dichloroethane-d4	0.691	0.613		-11.29	20
Dibromofluoromethane	0.298	0.292		-2.01	20
Toluene-d8	1.234	1.163		-5.75	20
4-Bromofluorobenzene	0.436	0.409		-6.19	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\VN060325\
 Data File : VN086855.D
 Acq On : 03 Jun 2025 20:12
 Operator : JC\MD
 Sample : Q2177-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-187-SB01

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 04 02:06:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

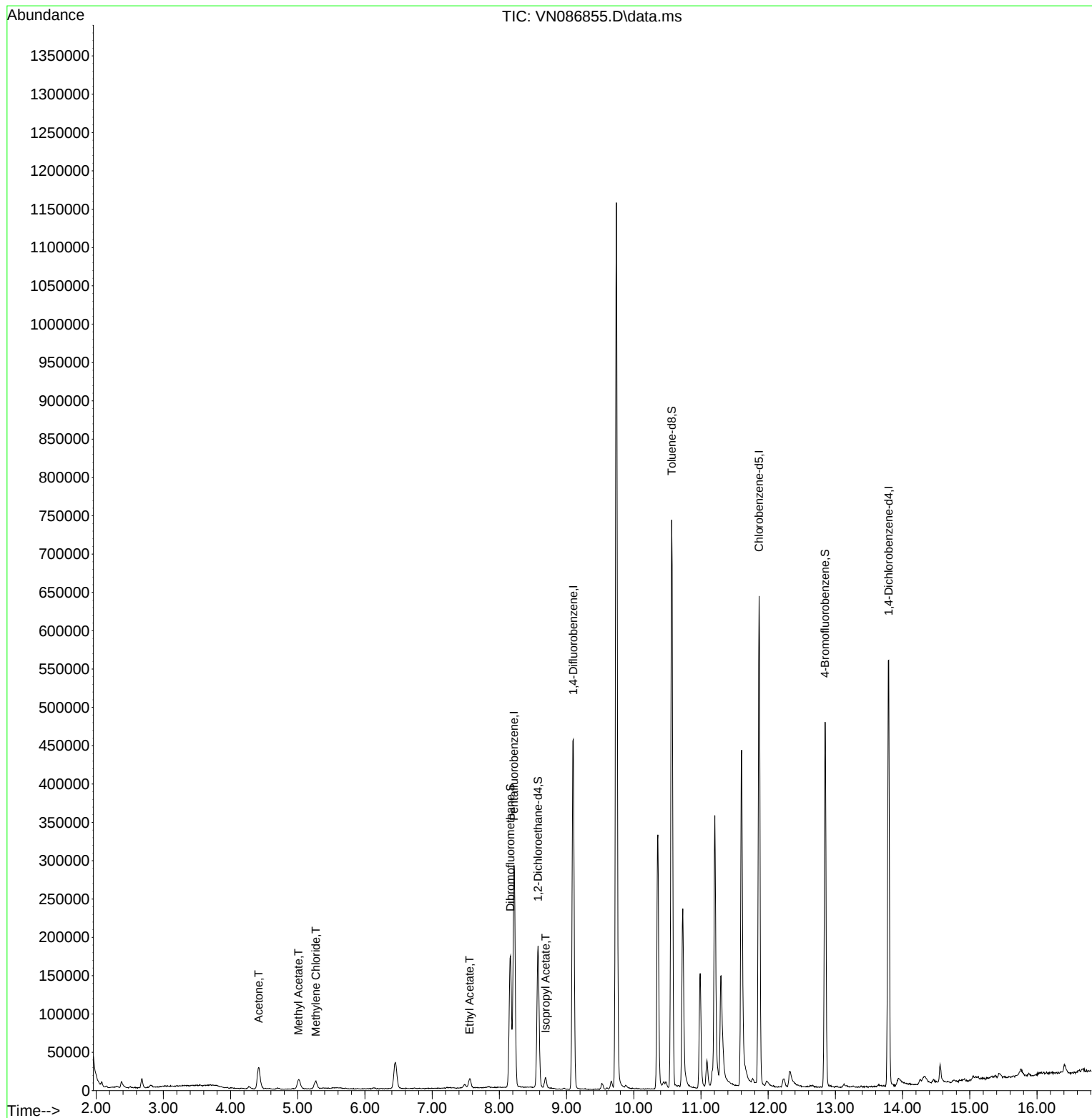
Internal Standards						
1) Pentafluorobenzene	8.218	168	220507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	428516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	389120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	163382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152038	49.898	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.800%		
35) Dibromofluoromethane	8.165	113	134789	52.817	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.640%		
50) Toluene-d8	10.565	98	539671	51.030	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.060%		
62) 4-Bromofluorobenzene	12.847	95	190230	50.943	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.880%		
Target Compounds						Qvalue
16) Acetone	4.418	43	55936	49.076	ug/l	98
18) Methyl Acetate	5.012	43	28263	8.860	ug/l	99
20) Methylene Chloride	5.271	84	8493	2.824	ug/l	95
37) Ethyl Acetate	7.559	43	18707	4.920	ug/l	98
43) Isopropyl Acetate	8.688	43	15645	2.052	ug/l	94

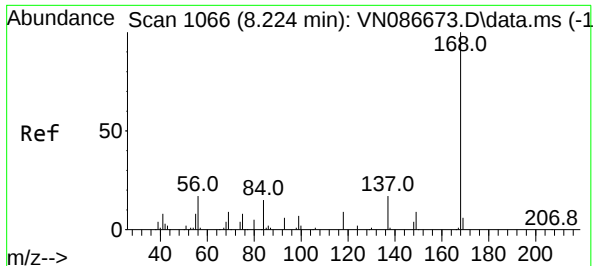
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086855.D
Acq On : 03 Jun 2025 20:12
Operator : JC\MD
Sample : Q2177-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

Quant Time: Jun 04 02:06:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

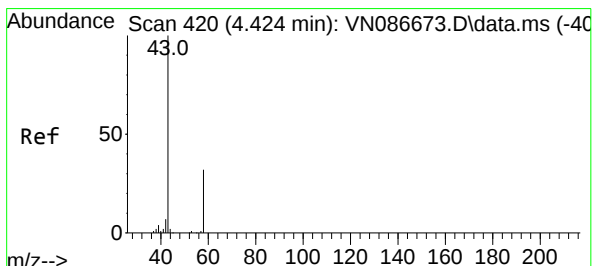
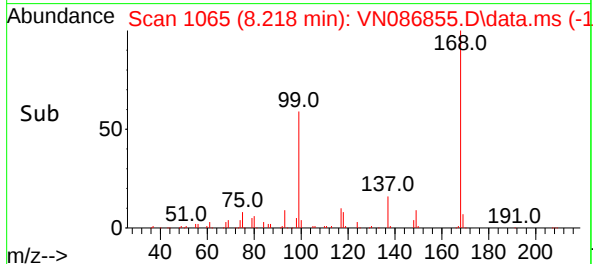
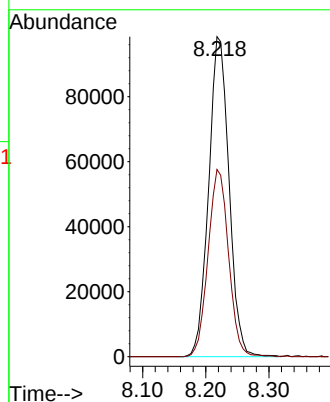
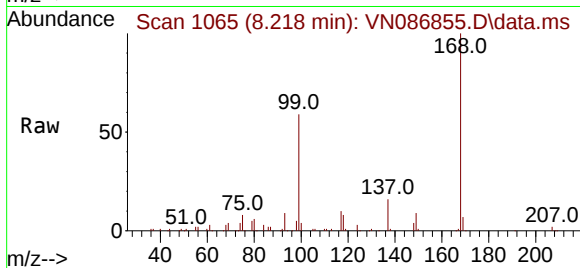




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

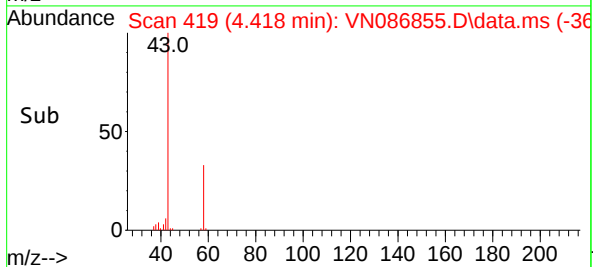
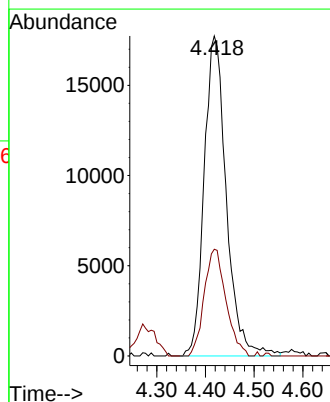
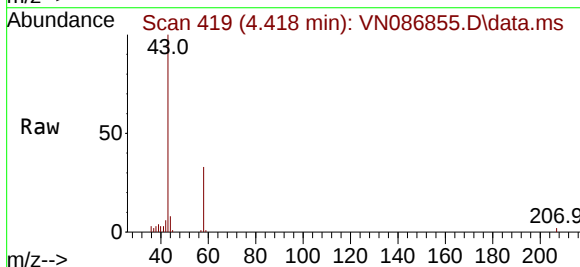
Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

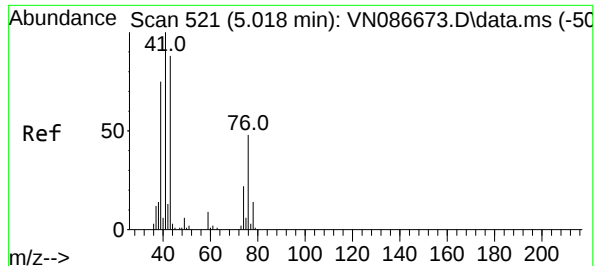
Tgt Ion:168 Resp: 220507
Ion Ratio Lower Upper
168 100
99 58.5 47.0 70.4



#16
Acetone
Concen: 49.076 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Tgt Ion: 43 Resp: 55936
Ion Ratio Lower Upper
43 100
58 33.4 25.8 38.6





#18

Methyl Acetate

Concen: 8.860 ug/l

RT: 5.012 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN086855.D

Acq: 03 Jun 2025 20:12

Instrument :

MSVOA_N

ClientSampleId :

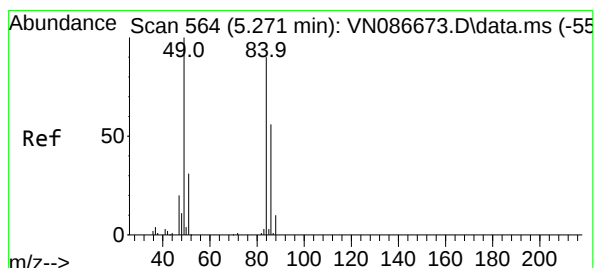
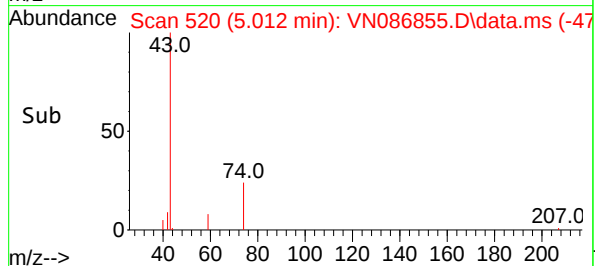
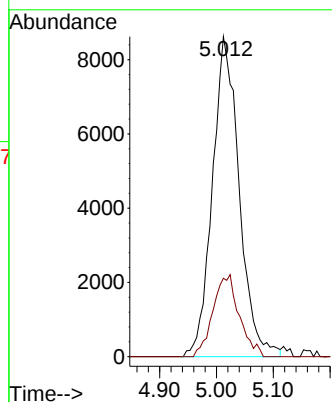
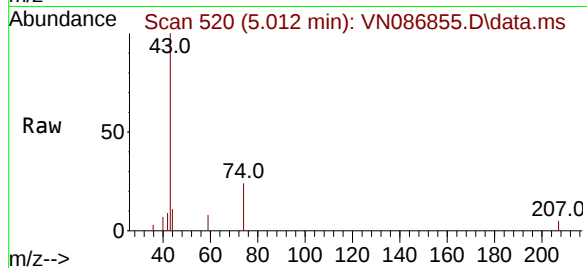
B-187-SB01

Tgt Ion: 43 Resp: 28263

Ion Ratio Lower Upper

43 100

74 25.0 20.5 30.7



#20

Methylene Chloride

Concen: 2.824 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.000 min

Lab File: VN086855.D

Acq: 03 Jun 2025 20:12

Tgt Ion: 84 Resp: 8493

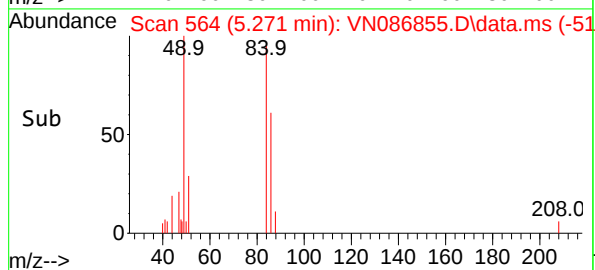
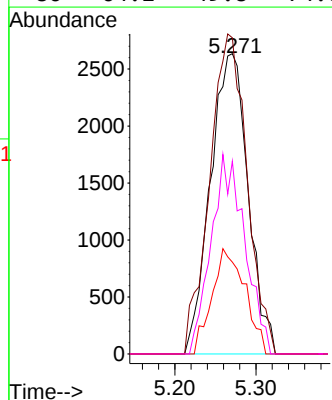
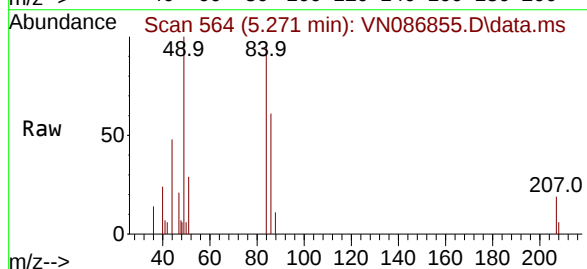
Ion Ratio Lower Upper

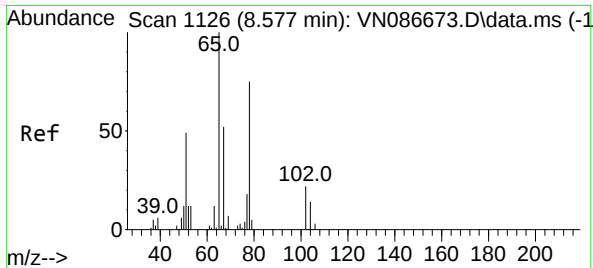
84 100

49 105.2 88.8 133.2

51 30.6 27.8 41.6

86 64.2 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 49.898 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086855.D

Acq: 03 Jun 2025 20:12

Instrument :

MSVOA_N

ClientSampleId :

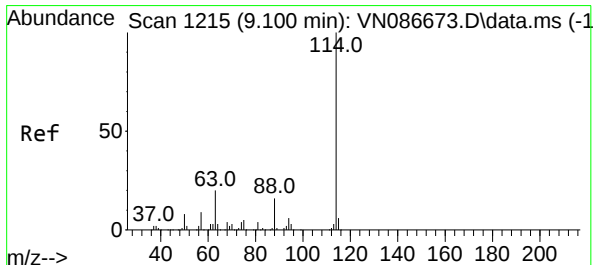
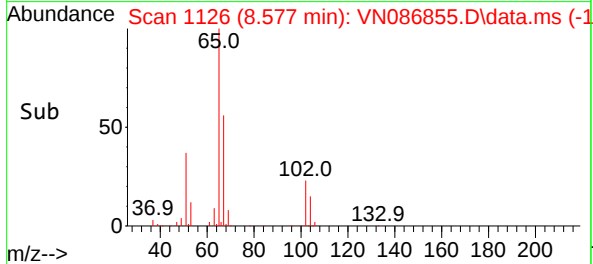
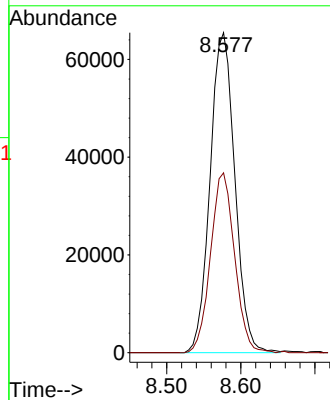
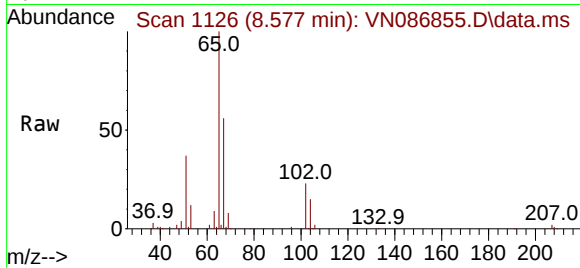
B-187-SB01

Tgt Ion: 65 Resp: 152038

Ion Ratio Lower Upper

65 100

67 54.6 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086855.D

Acq: 03 Jun 2025 20:12

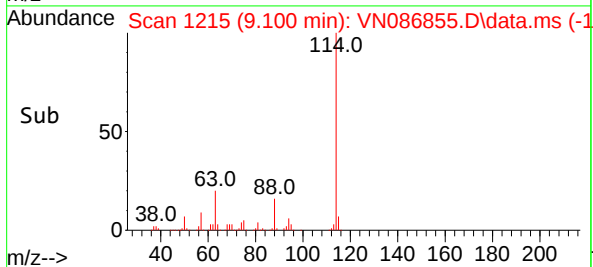
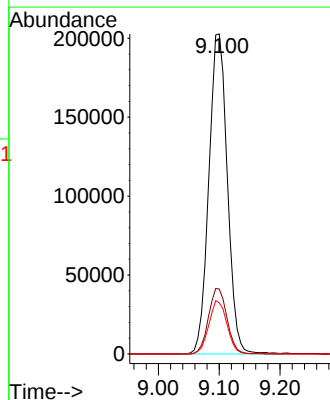
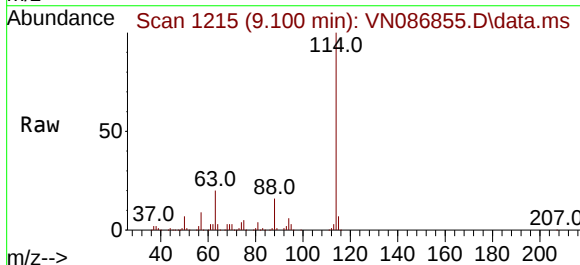
Tgt Ion: 114 Resp: 428516

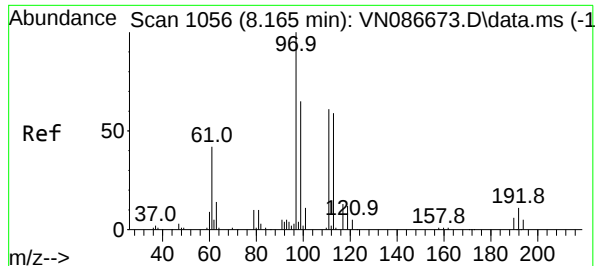
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 16.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 52.817 ug/l

RT: 8.165 min Scan# 113

Delta R.T. -0.000 min

Lab File: VN086855.D

Acq: 03 Jun 2025 20:12

Instrument :

MSVOA_N

ClientSampleId :

B-187-SB01

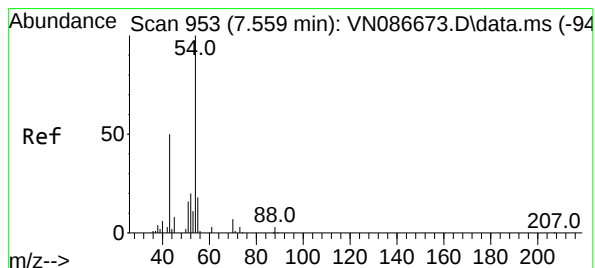
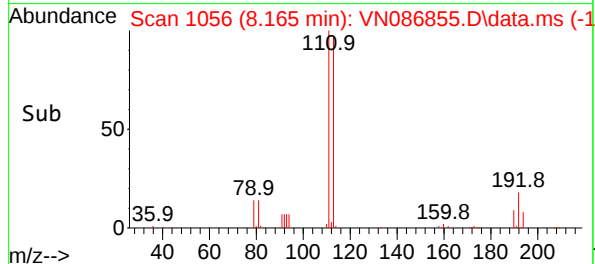
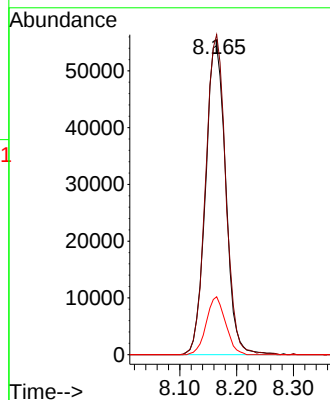
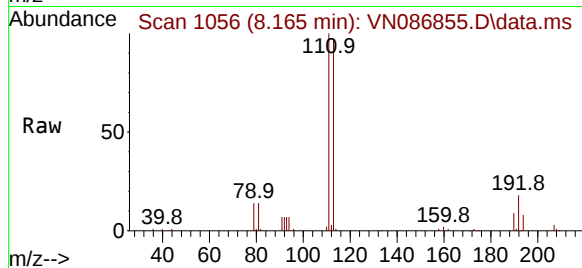
Tgt Ion:113 Resp: 134789

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 17.8 13.8 20.8



#37

Ethyl Acetate

Concen: 4.920 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN086855.D

Acq: 03 Jun 2025 20:12

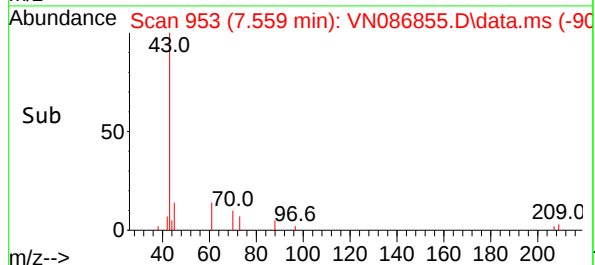
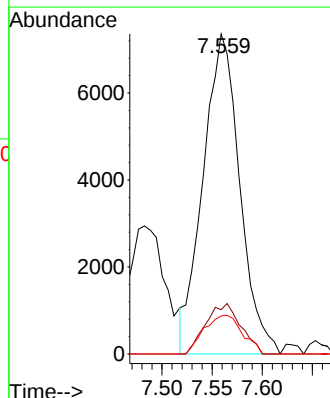
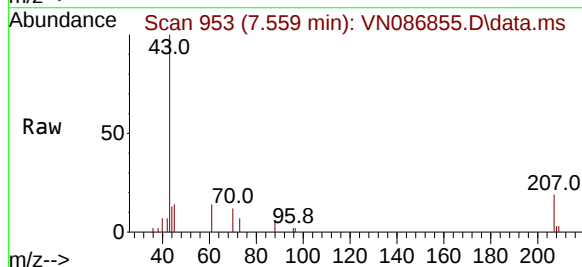
Tgt Ion: 43 Resp: 18707

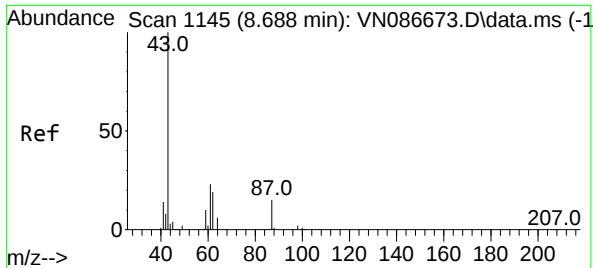
Ion Ratio Lower Upper

43 100

61 15.0 11.6 17.4

70 12.6 9.4 14.0

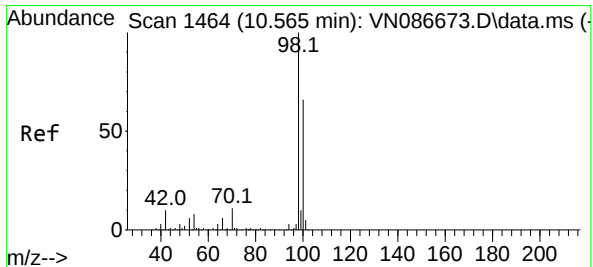
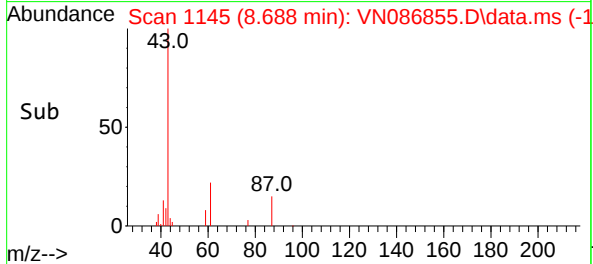
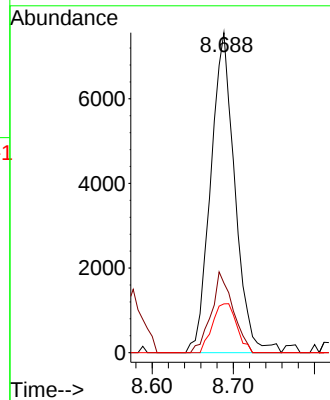
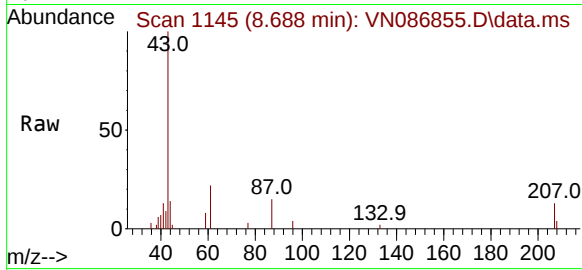




#43
Isopropyl Acetate
Concen: 2.052 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

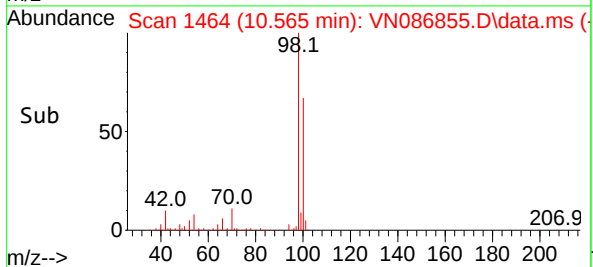
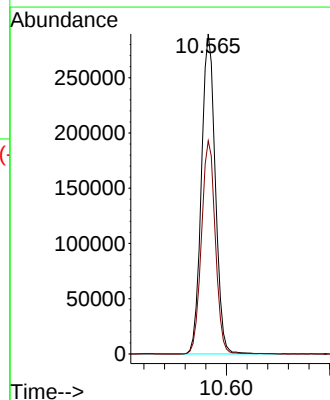
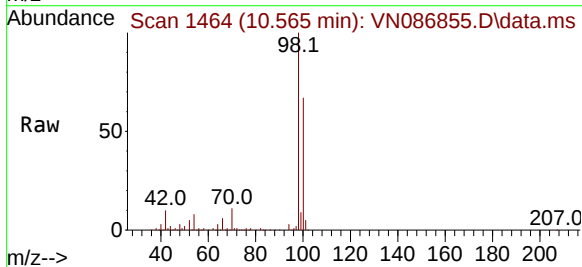
Instrument :
MSVOA_N
ClientSampleId :
B-187-SB01

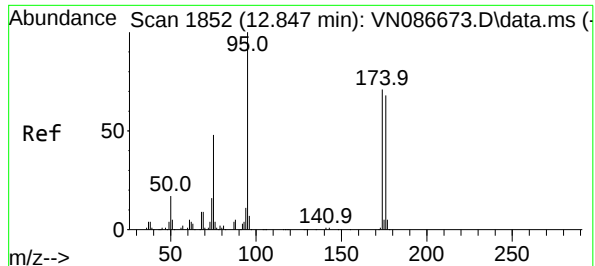
Tgt Ion:	43	Resp:	15645
Ion	Ratio	Lower	Upper
43	100		
61	22.8	21.4	32.2
87	15.4	11.1	16.7



#50
Toluene-d8
Concen: 51.030 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086855.D
Acq: 03 Jun 2025 20:12

Tgt Ion:	98	Resp:	539671
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#62

4-Bromofluorobenzene

Concen: 50.943 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086855.D

Acq: 03 Jun 2025 20:12

Instrument :

MSVOA_N

ClientSampleId :

B-187-SB01

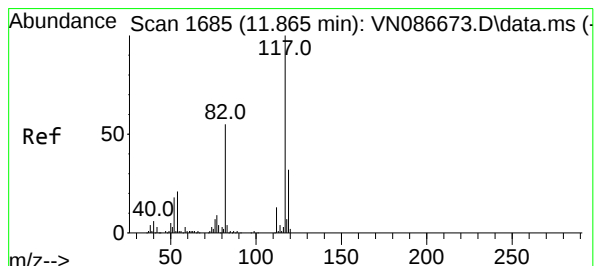
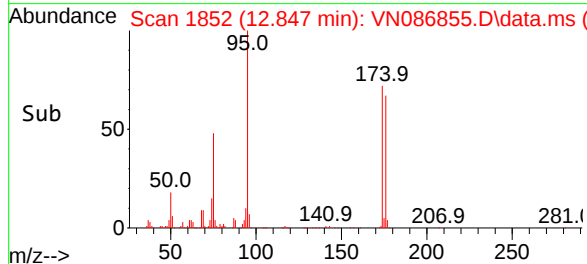
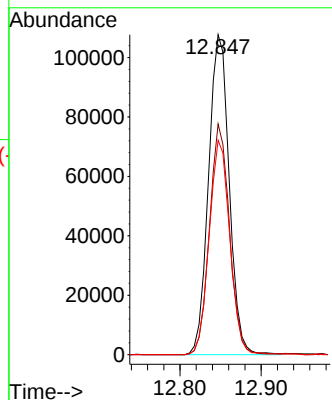
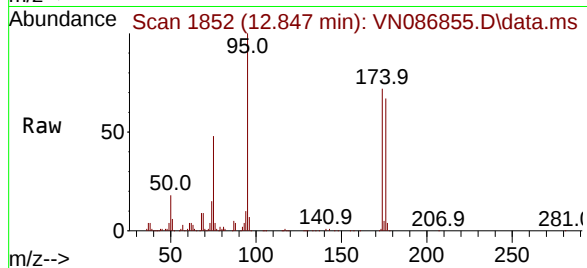
Tgt Ion: 95 Resp: 190230

Ion Ratio Lower Upper

95 100

174 70.0 0.0 145.4

176 66.8 0.0 137.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN086855.D

Acq: 03 Jun 2025 20:12

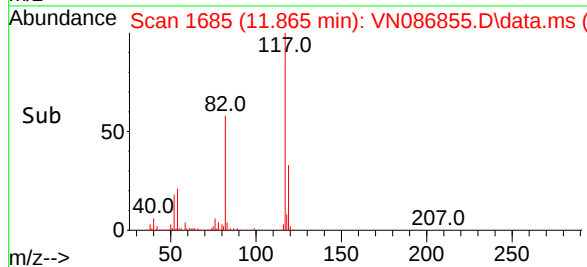
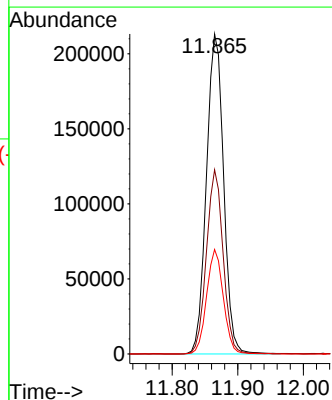
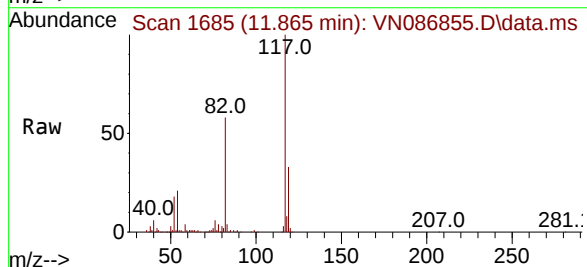
Tgt Ion: 117 Resp: 389120

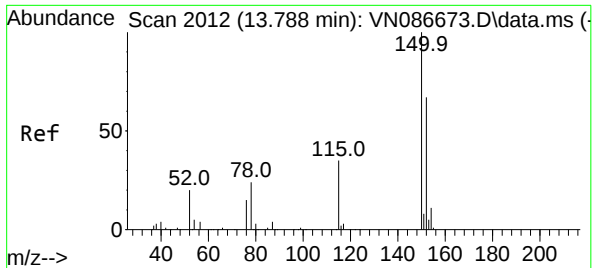
Ion Ratio Lower Upper

117 100

82 57.5 44.2 66.2

119 32.6 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN086855.D

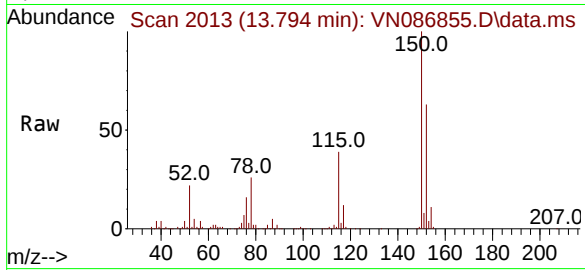
Acq: 03 Jun 2025 20:12

Instrument :

MSVOA_N

ClientSampleId :

B-187-SB01



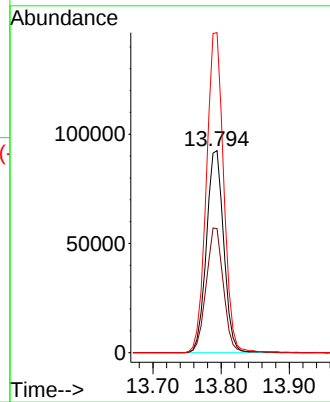
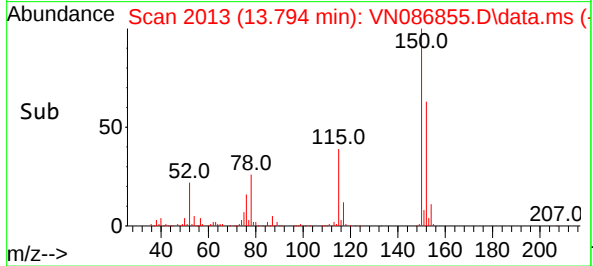
Tgt Ion:152 Resp: 163382

Ion Ratio Lower Upper

152 100

115 61.6 30.0 90.1

150 158.5 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086856.D
 Acq On : 03 Jun 2025 20:36
 Operator : JC\MD
 Sample : Q2177-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-187-SB02

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 04 03:34:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

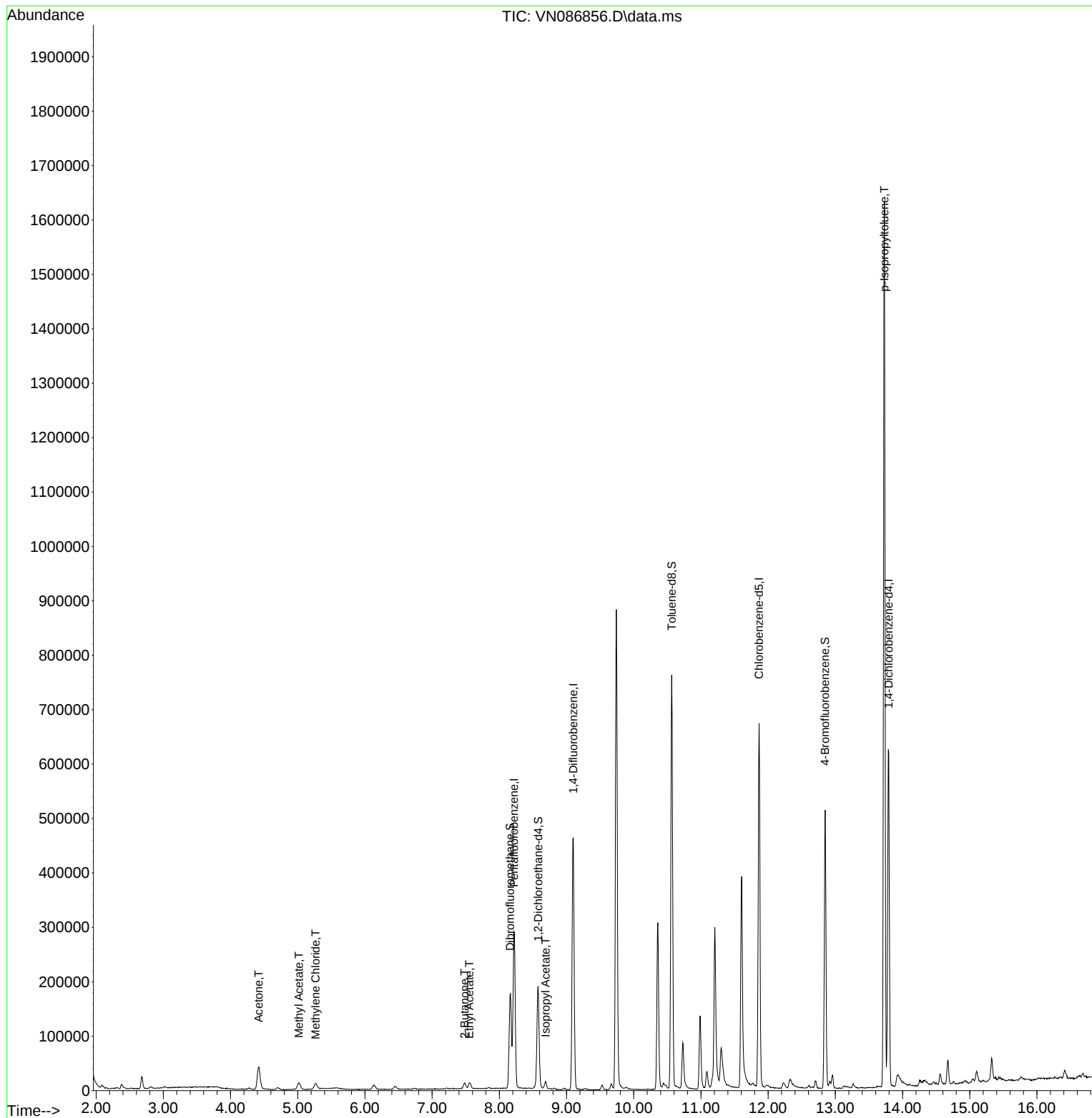
Internal Standards						
1) Pentafluorobenzene	8.218	168	221135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	428494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	404884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154873	50.684	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.360%		
35) Dibromofluoromethane	8.159	113	135623	53.147	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.300%		
50) Toluene-d8	10.565	98	551649	52.165	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.340%		
62) 4-Bromofluorobenzene	12.847	95	198824	53.247	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 106.500%		
Target Compounds						
						Qvalue
16) Acetone	4.418	43	81184	71.025	ug/l	95
18) Methyl Acetate	5.018	43	27122	8.478	ug/l	98
20) Methylene Chloride	5.265	84	8811	2.921	ug/l	92
25) 2-Butanone	7.483	43	18128	10.263	ug/l	97
37) Ethyl Acetate	7.553	43	16457	4.328	ug/l	98
43) Isopropyl Acetate	8.688	43	13913	1.825	ug/l	94
86) p-Isopropyltoluene	13.729	119	985932	91.836	ug/l	100

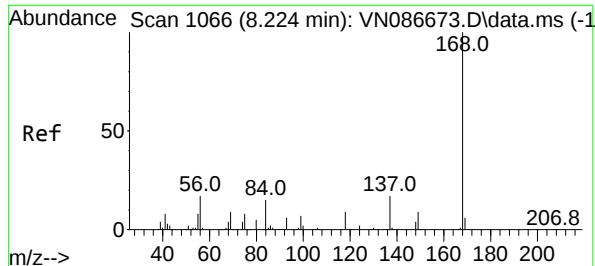
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086856.D
Acq On : 03 Jun 2025 20:36
Operator : JC\MD
Sample : Q2177-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

Quant Time: Jun 04 03:34:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

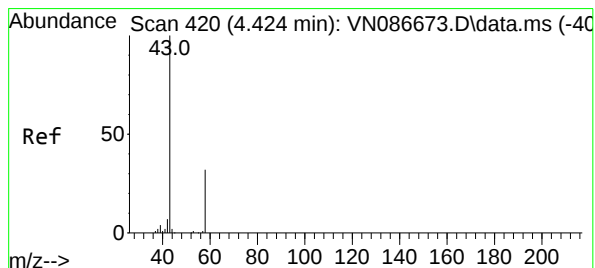
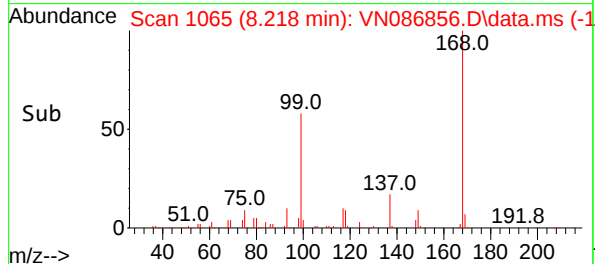
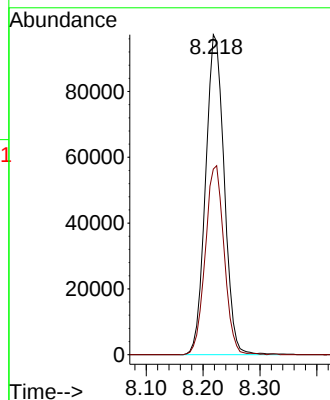
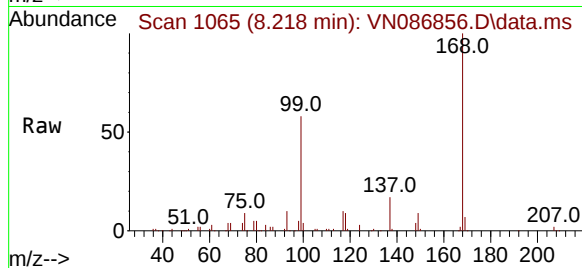




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

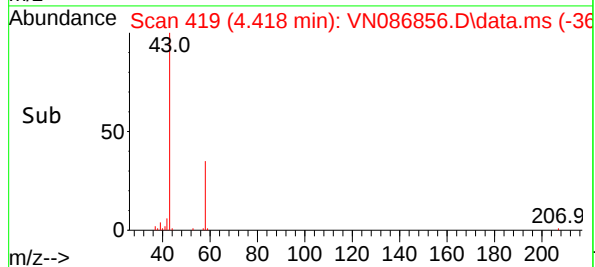
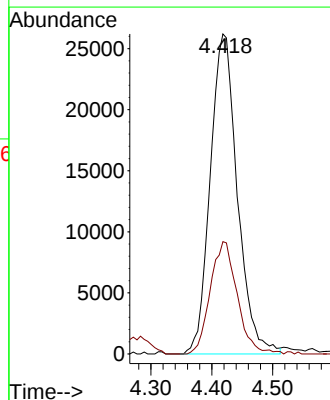
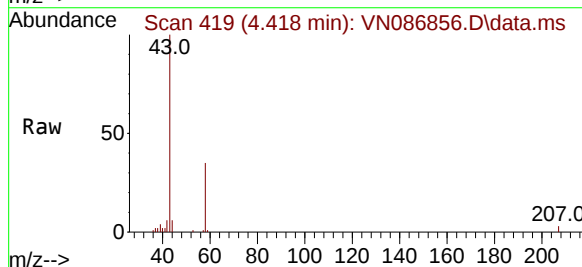
Instrument :
MSVOA_N
ClientSampleId :
B-187-SB02

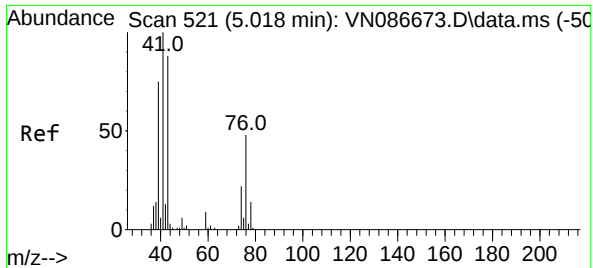
Tgt Ion:168 Resp: 221135
Ion Ratio Lower Upper
168 100
99 58.0 47.0 70.4



#16
Acetone
Concen: 71.025 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086856.D
Acq: 03 Jun 2025 20:36

Tgt Ion: 43 Resp: 81184
Ion Ratio Lower Upper
43 100
58 35.1 25.8 38.6





#18

Methyl Acetate

Concen: 8.478 ug/l

RT: 5.018 min Scan# 51

Delta R.T. 0.000 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

Instrument :

MSVOA_N

ClientSampleId :

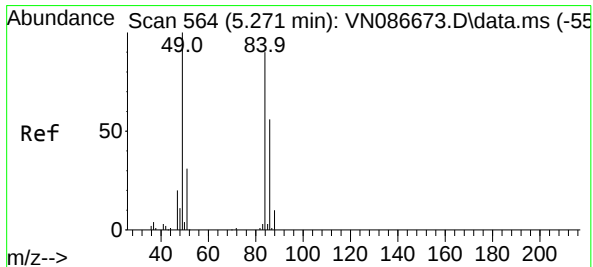
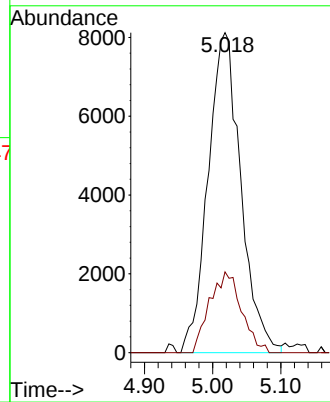
B-187-SB02

Tgt Ion: 43 Resp: 27122

Ion Ratio Lower Upper

43 100

74 24.5 20.5 30.7



#20

Methylene Chloride

Concen: 2.921 ug/l

RT: 5.265 min Scan# 563

Delta R.T. -0.006 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

Tgt Ion: 84 Resp: 8811

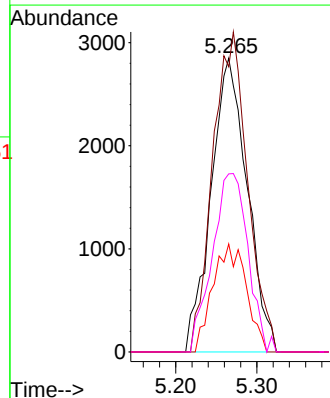
Ion Ratio Lower Upper

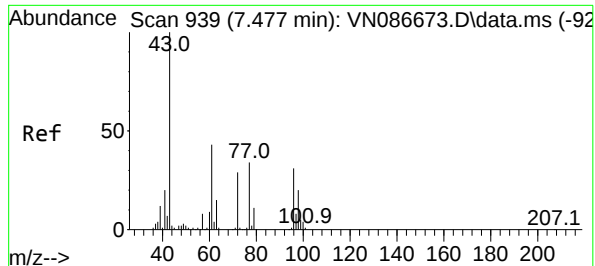
84 100

49 97.2 88.8 133.2

51 36.8 27.8 41.6

86 60.6 49.8 74.6





#25

2-Butanone

Concen: 10.263 ug/l

RT: 7.483 min Scan# 940

Delta R.T. 0.006 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

Instrument :

MSVOA_N

ClientSampleId :

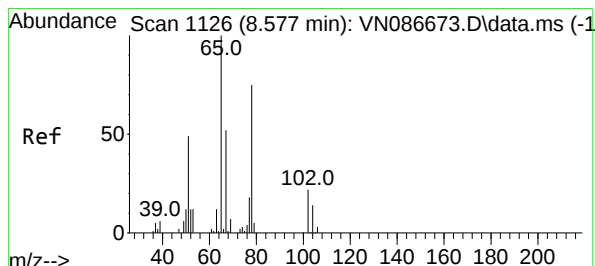
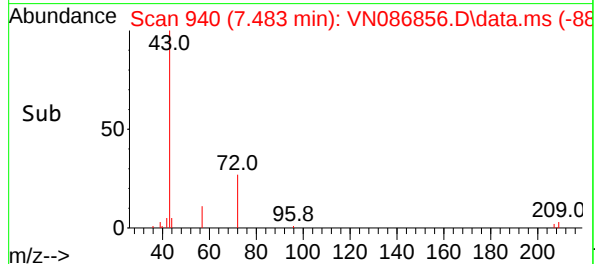
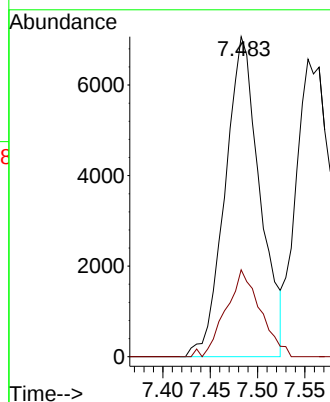
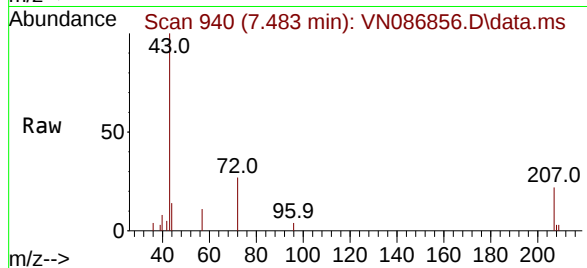
B-187-SB02

Tgt Ion: 43 Resp: 18128

Ion Ratio Lower Upper

43 100

72 27.2 23.1 34.7



#33

1,2-Dichloroethane-d4

Concen: 50.684 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN086856.D

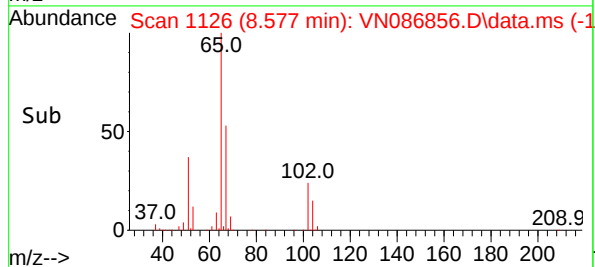
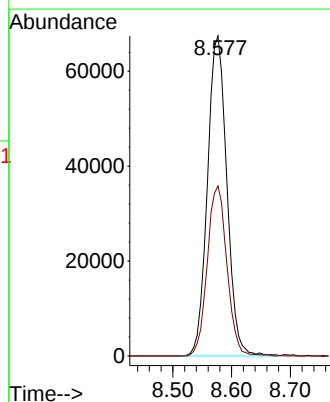
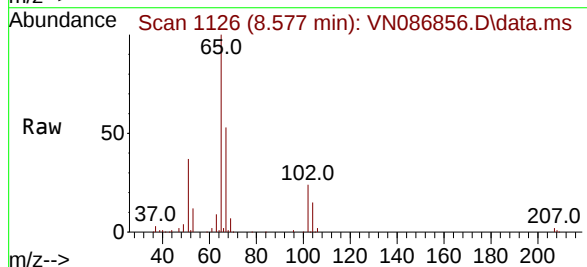
Acq: 03 Jun 2025 20:36

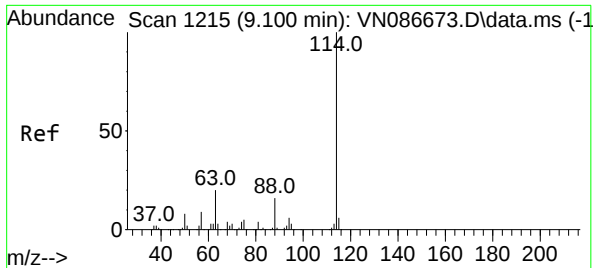
Tgt Ion: 65 Resp: 154873

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

Instrument :

MSVOA_N

ClientSampleId :

B-187-SB02

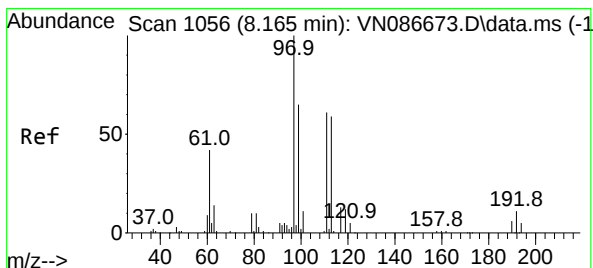
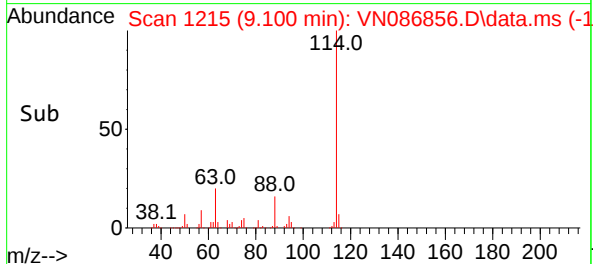
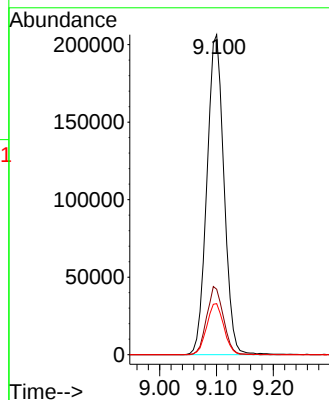
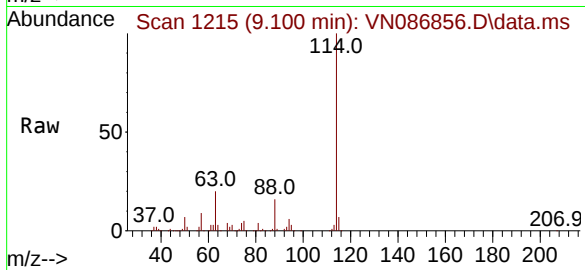
Tgt Ion:114 Resp: 428494

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 15.9 0.0 31.2



#35

Dibromofluoromethane

Concen: 53.147 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

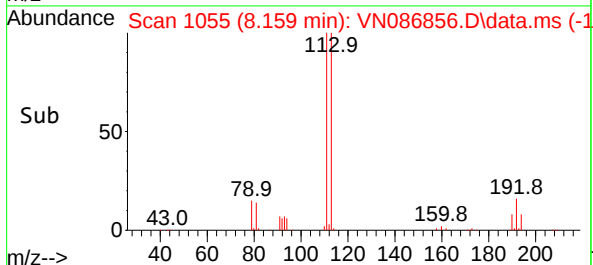
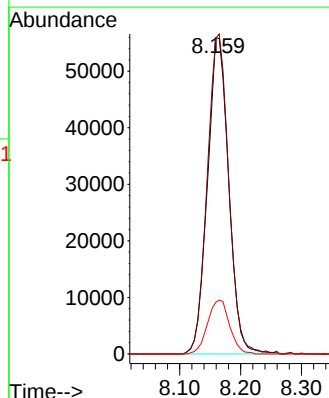
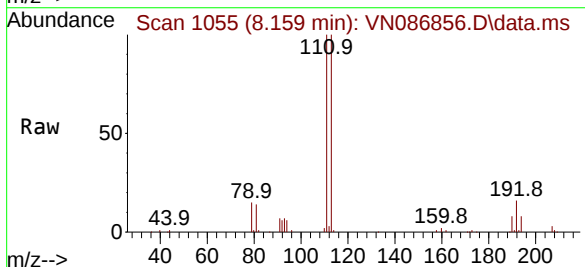
Tgt Ion:113 Resp: 135623

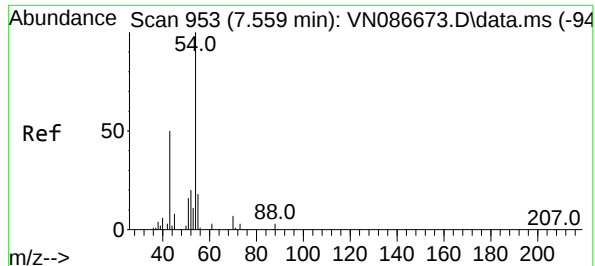
Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

192 17.6 13.8 20.8





#37

Ethyl Acetate

Concen: 4.328 ug/l

RT: 7.553 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

Instrument :

MSVOA_N

ClientSampleId :

B-187-SB02

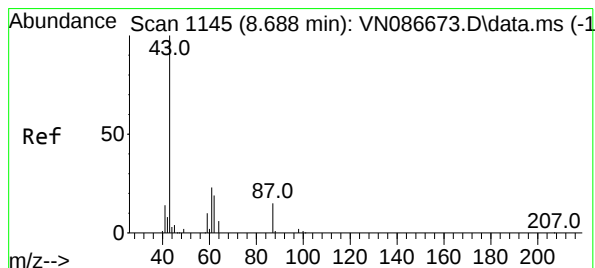
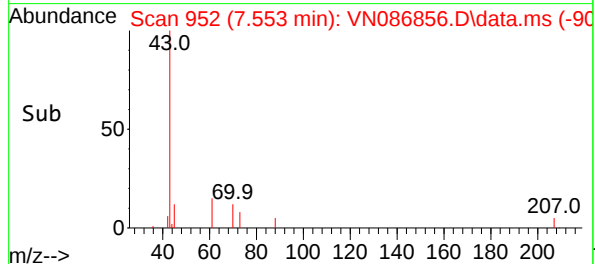
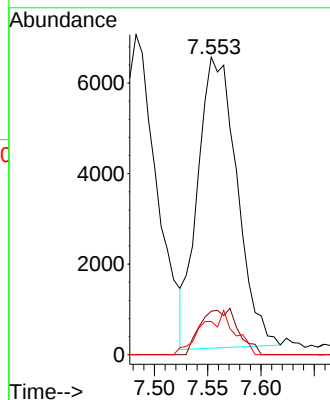
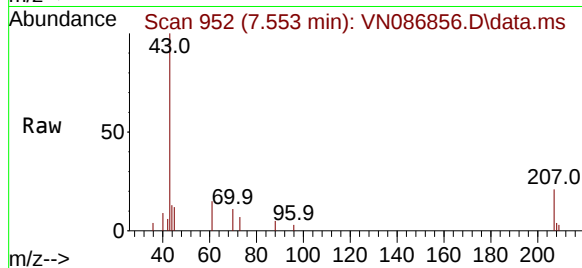
Tgt Ion: 43 Resp: 16457

Ion Ratio Lower Upper

43 100

61 15.1 11.6 17.4

70 12.8 9.4 14.0



#43

Isopropyl Acetate

Concen: 1.825 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

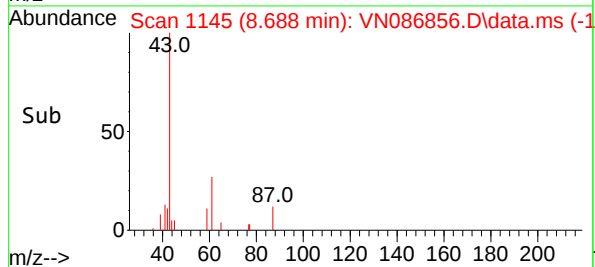
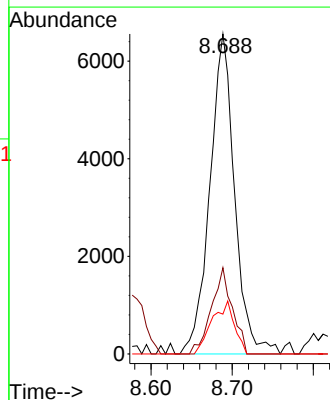
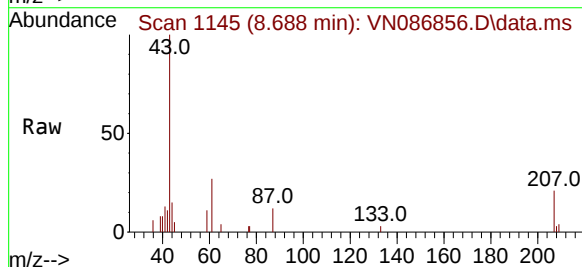
Tgt Ion: 43 Resp: 13913

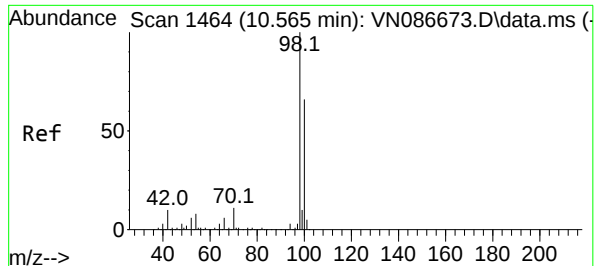
Ion Ratio Lower Upper

43 100

61 22.6 21.4 32.2

87 15.0 11.1 16.7





#50

Toluene-d8

Concen: 52.165 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

Instrument :

MSVOA_N

ClientSampleId :

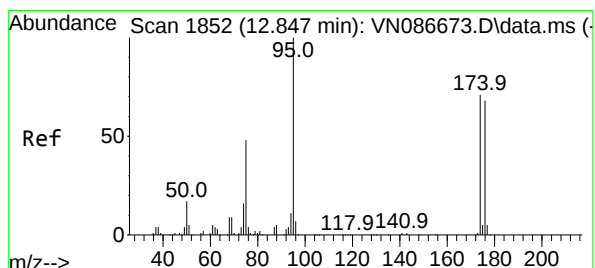
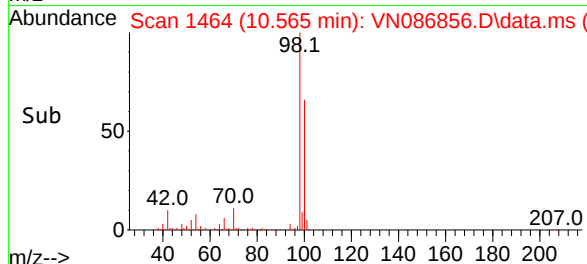
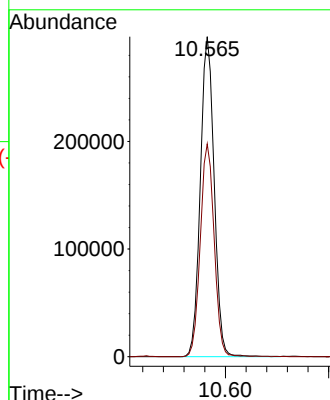
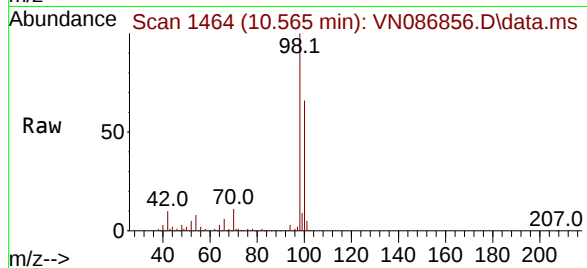
B-187-SB02

Tgt Ion: 98 Resp: 551649

Ion Ratio Lower Upper

98 100

100 66.7 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 53.247 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

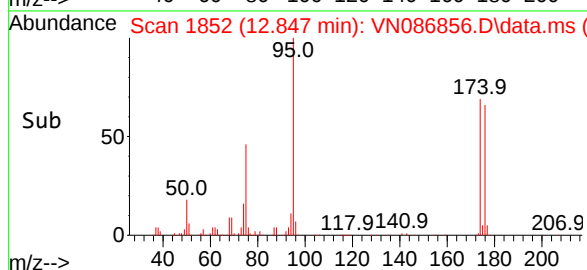
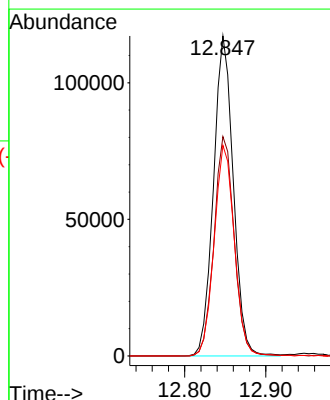
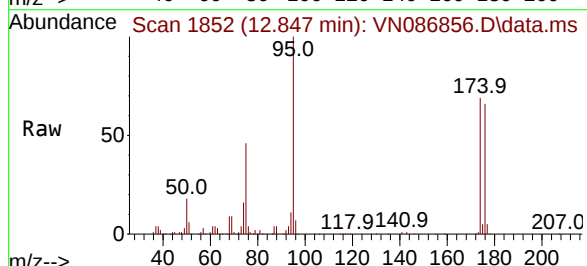
Tgt Ion: 95 Resp: 198824

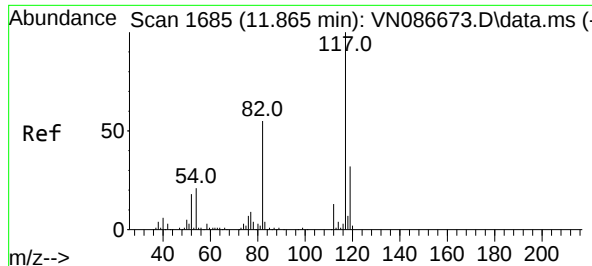
Ion Ratio Lower Upper

95 100

174 69.4 0.0 145.4

176 67.2 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

Instrument :

MSVOA_N

ClientSampleId :

B-187-SB02

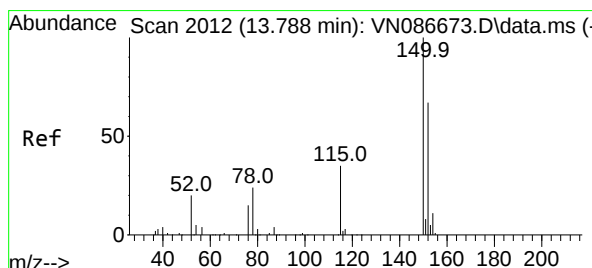
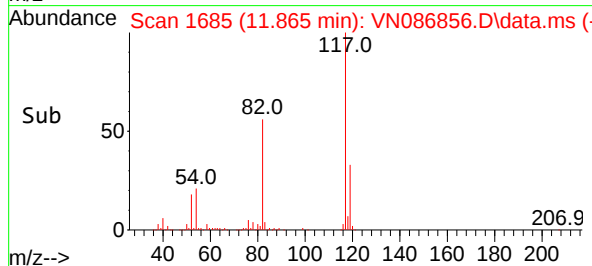
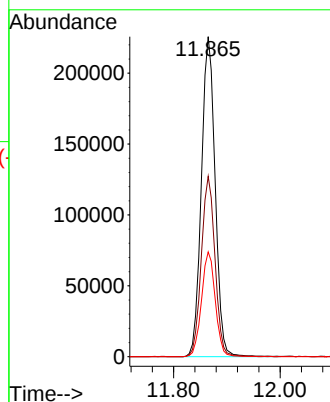
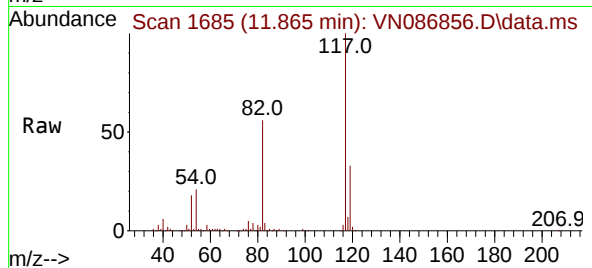
Tgt Ion:117 Resp: 404884

Ion Ratio Lower Upper

117 100

82 56.4 44.2 66.2

119 32.8 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.006 min

Lab File: VN086856.D

Acq: 03 Jun 2025 20:36

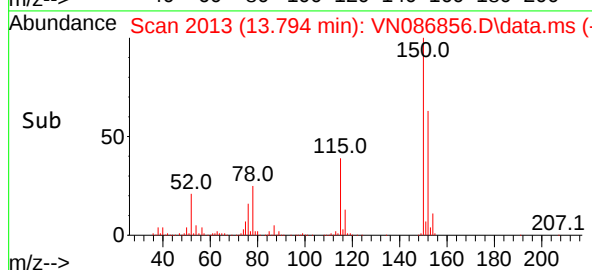
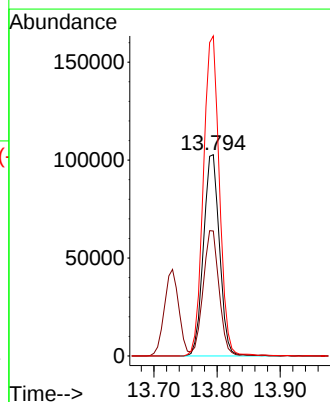
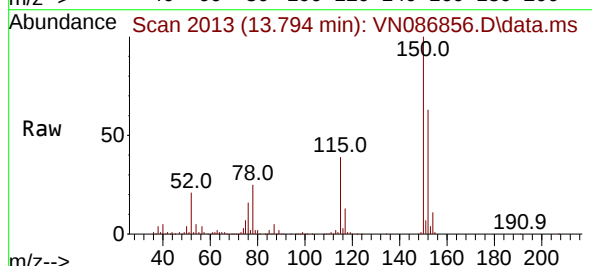
Tgt Ion:152 Resp: 181011

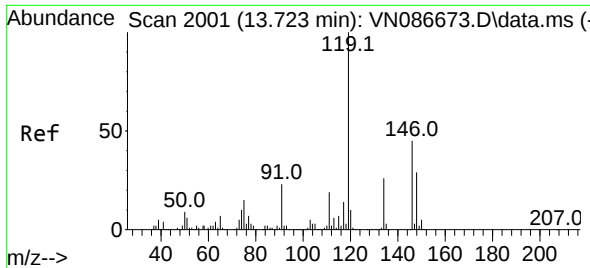
Ion Ratio Lower Upper

152 100

115 61.8 30.0 90.1

150 159.1 0.0 347.8





#86

p-Isopropyltoluene

Concen: 91.836 ug/l

RT: 13.729 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN086856.D

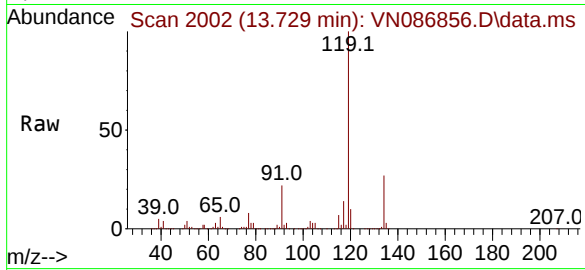
Acq: 03 Jun 2025 20:36

Instrument :

MSVOA_N

ClientSampleId :

B-187-SB02



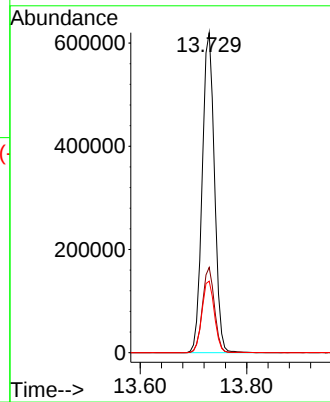
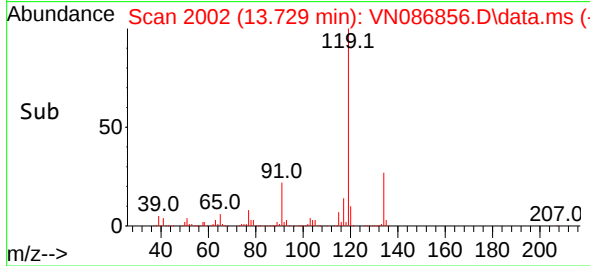
Tgt Ion:119 Resp: 985932

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 22.9 11.5 34.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086857.D
 Acq On : 03 Jun 2025 21:00
 Operator : JC\MD
 Sample : Q2177-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-202-SB01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/04/2025
 Supervised By : Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 02:07:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	214739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	418395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	402557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	183854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152863	51.516	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	8.165	113	132479	53.168	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.340%			
50) Toluene-d8	10.565	98	536776	51.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.960%			
62) 4-Bromofluorobenzene	12.847	95	198933	54.562	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.120%			
Target Compounds						
16) Acetone	4.418	43	55602	50.093	ug/l	96
18) Methyl Acetate	5.024	43	27672	8.907	ug/l	99
20) Methylene Chloride	5.277	84	8210m	2.803	ug/l	
37) Ethyl Acetate	7.559	43	20063	5.404	ug/l	99
43) Isopropyl Acetate	8.683	43	15113	2.031	ug/l	94

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

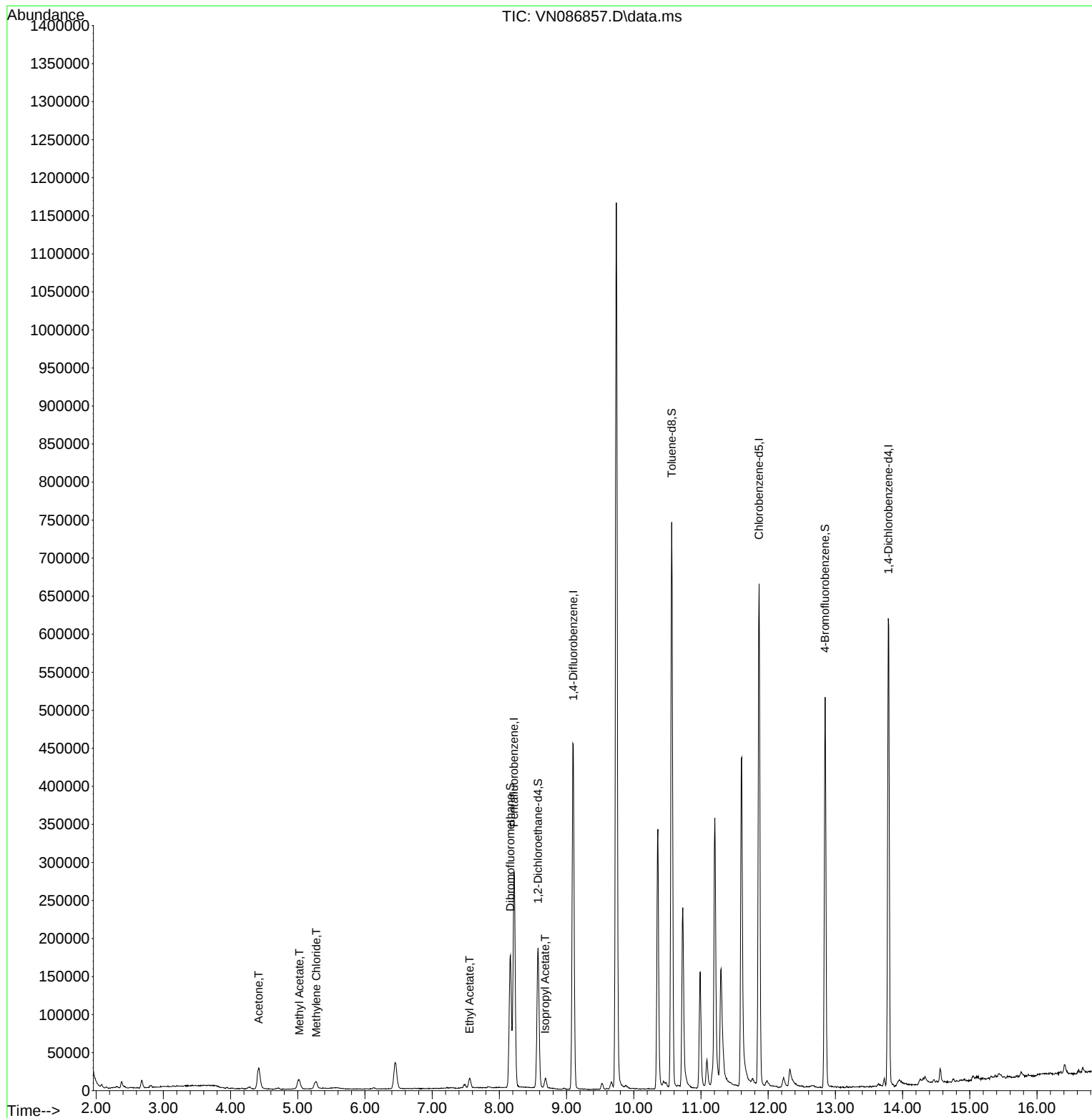
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086857.D
Acq On : 03 Jun 2025 21:00
Operator : JC\MD
Sample : Q2177-07
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 24 Sample Multiplier: 1

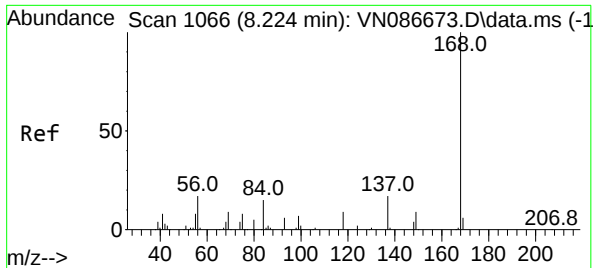
Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01

Quant Time: Jun 04 02:07:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

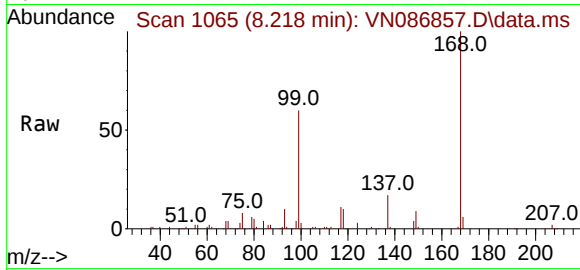
Reviewed By : John Carlone 06/04/2025
Supervised By : Mahesh Dadoda 06/04/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

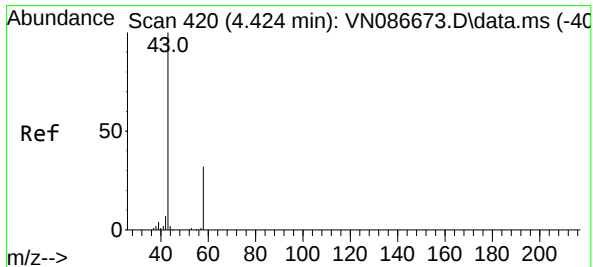
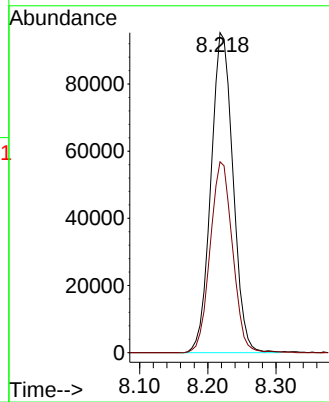
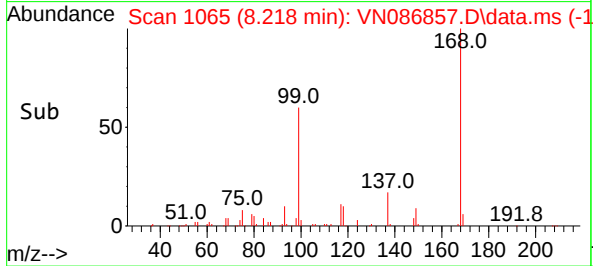
Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01



Tgt Ion: 168 Resp: 214739
Ion Ratio Lower Upper
168 100
99 59.6 47.0 70.4

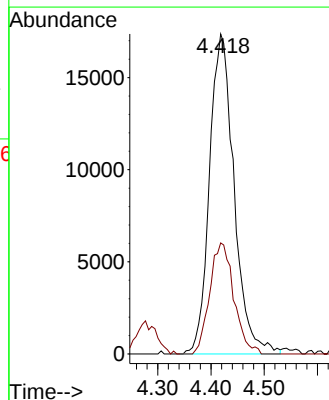
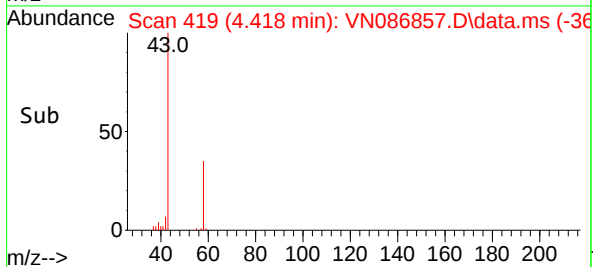
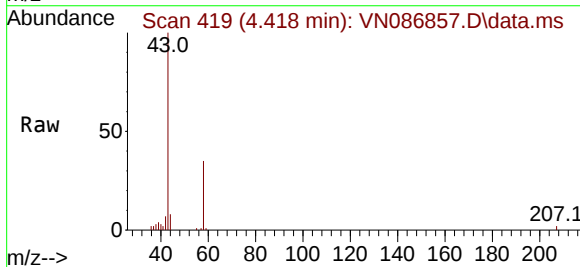
Manual Integrations
APPROVED

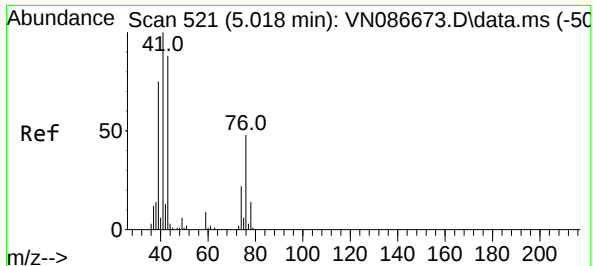
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#16
Acetone
Concen: 50.093 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

Tgt Ion: 43 Resp: 55602
Ion Ratio Lower Upper
43 100
58 34.7 25.8 38.6





#18

Methyl Acetate

Concen: 8.907 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN086857.D

Acq: 03 Jun 2025 21:00

Instrument :

MSVOA_N

ClientSampleId :

B-202-SB01

Tgt Ion: 43 Resp: 2767

Ion Ratio Lower Upper

43 100

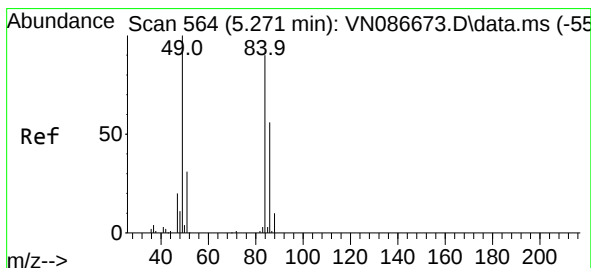
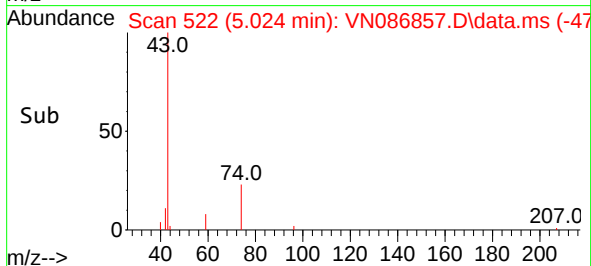
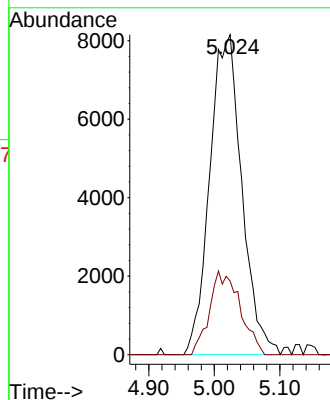
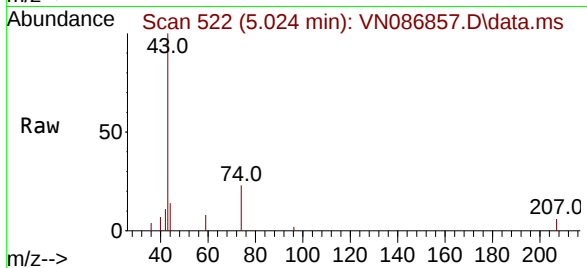
74 24.9 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025



#20

Methylene Chloride

Concen: 2.803 ug/l m

RT: 5.277 min Scan# 565

Delta R.T. 0.006 min

Lab File: VN086857.D

Acq: 03 Jun 2025 21:00

Tgt Ion: 84 Resp: 8210

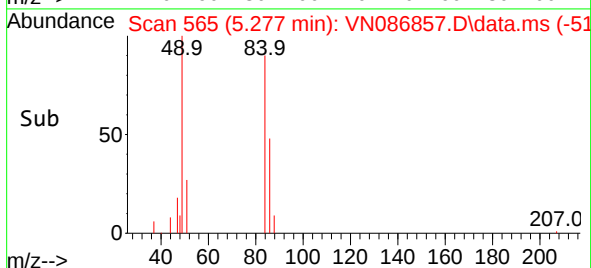
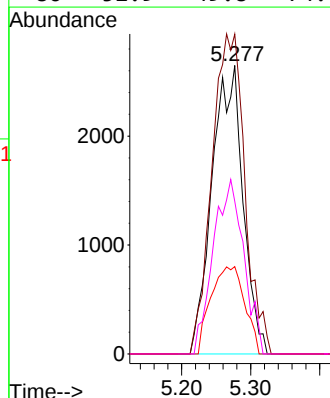
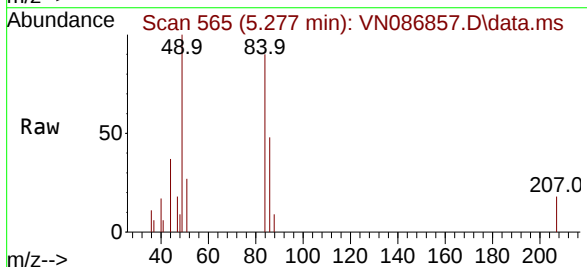
Ion Ratio Lower Upper

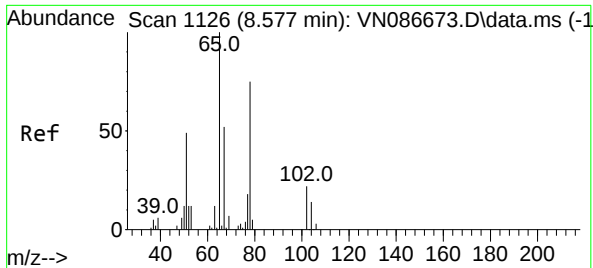
84 100

49 110.9 88.8 133.2

51 30.3 27.8 41.6

86 52.9 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 51.516 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086857.D

Acq: 03 Jun 2025 21:00

Tgt Ion: 65 Resp: 15286

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.4

Instrument :

MSVOA_N

ClientSampleId :

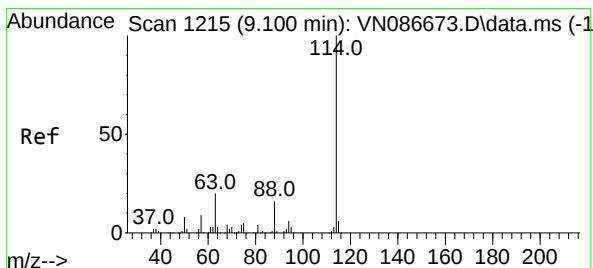
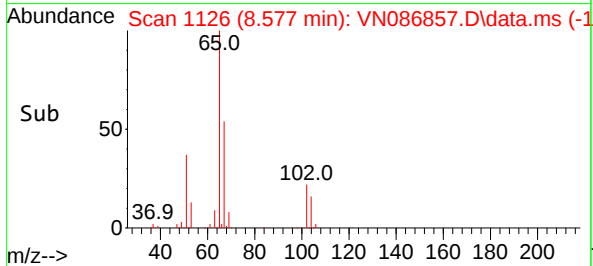
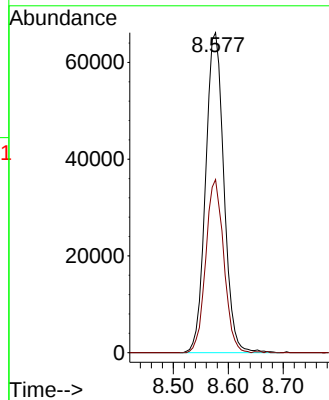
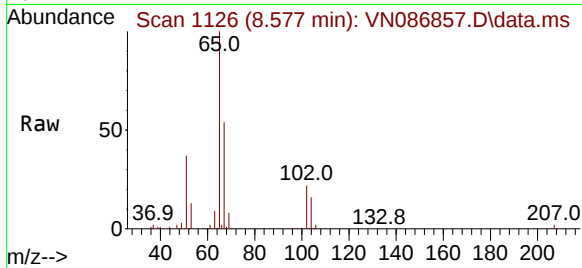
B-202-SB01

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086857.D

Acq: 03 Jun 2025 21:00

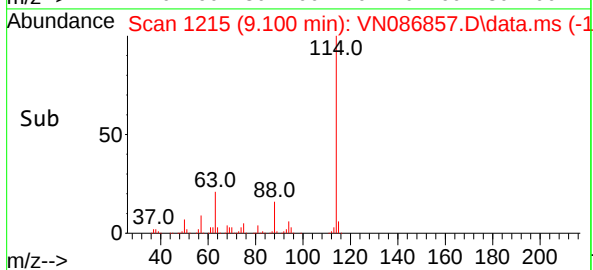
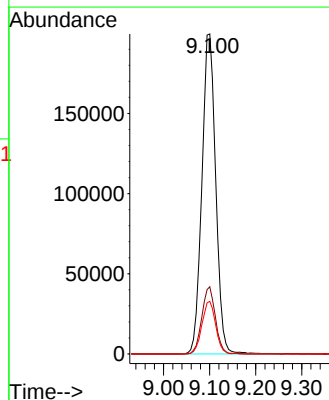
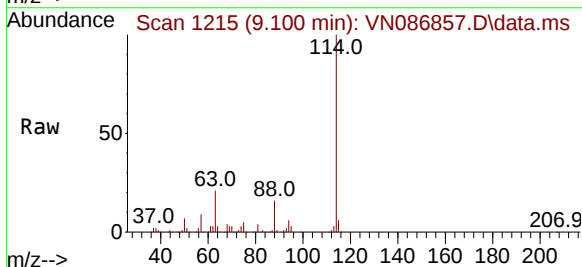
Tgt Ion:114 Resp: 418395

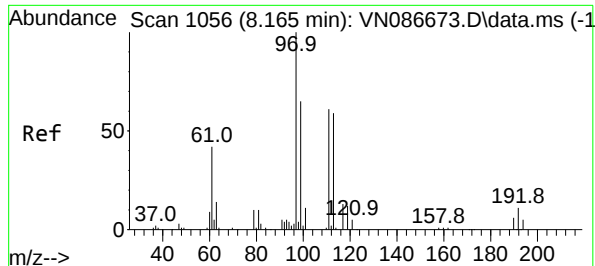
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 16.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.168 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086857.D

Acq: 03 Jun 2025 21:00

Instrument :

MSVOA_N

ClientSampleId :

B-202-SB01

Tgt Ion:113 Resp: 132479

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

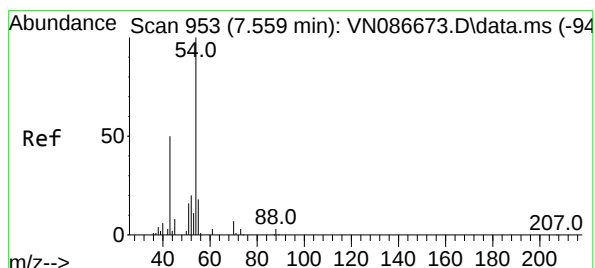
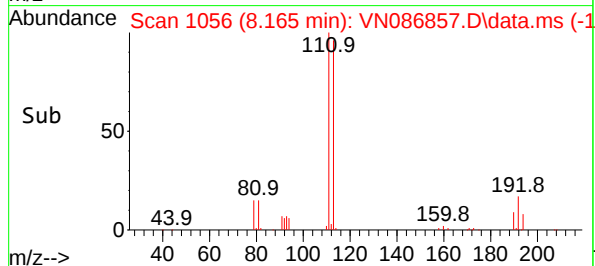
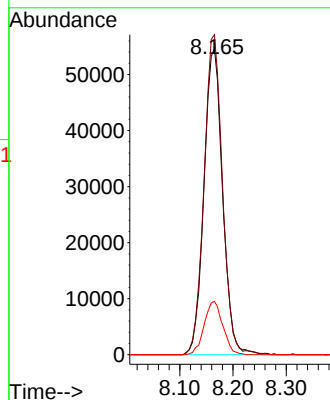
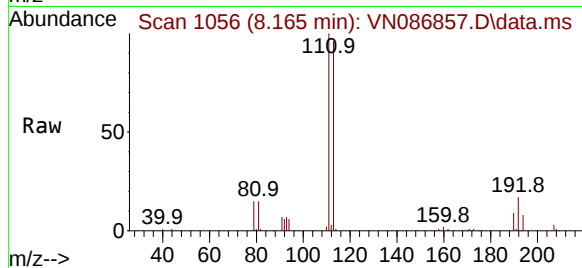
192 17.4 13.8 20.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025



#37

Ethyl Acetate

Concen: 5.404 ug/l

RT: 7.559 min Scan# 953

Delta R.T. -0.000 min

Lab File: VN086857.D

Acq: 03 Jun 2025 21:00

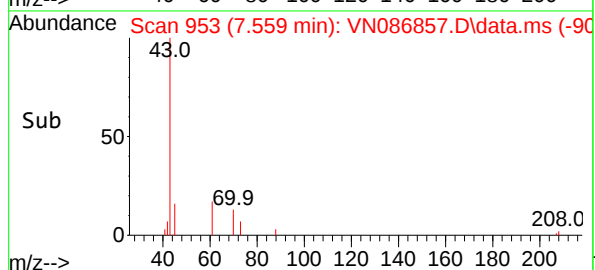
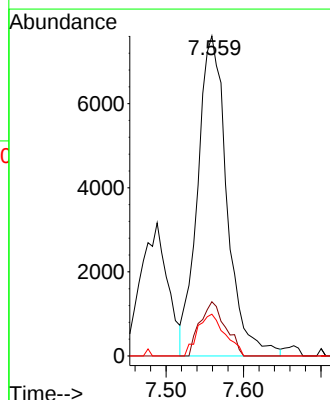
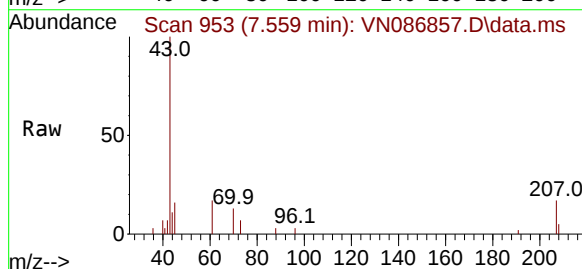
Tgt Ion: 43 Resp: 20063

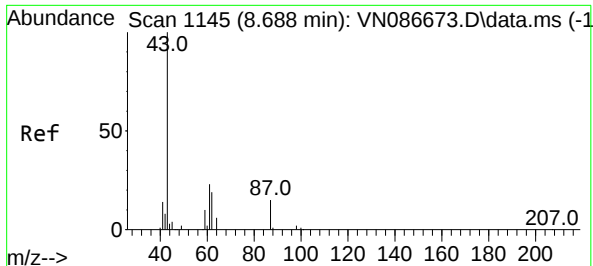
Ion Ratio Lower Upper

43 100

61 14.7 11.6 17.4

70 12.1 9.4 14.0





#43

Isopropyl Acetate

Concen: 2.031 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN086857.D

Acq: 03 Jun 2025 21:00

Instrument :

MSVOA_N

ClientSampleId :

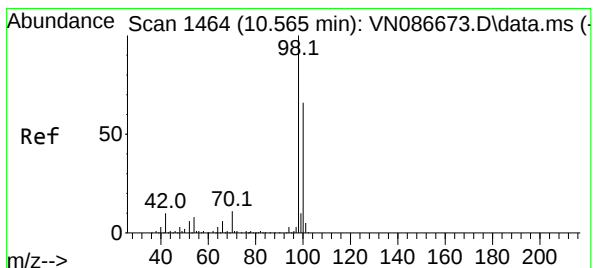
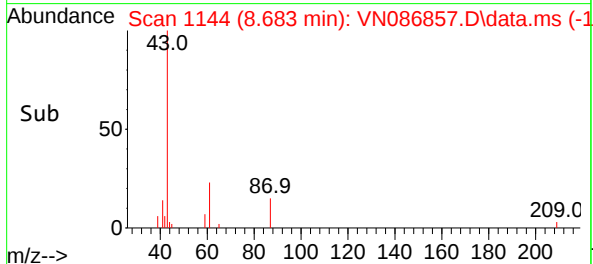
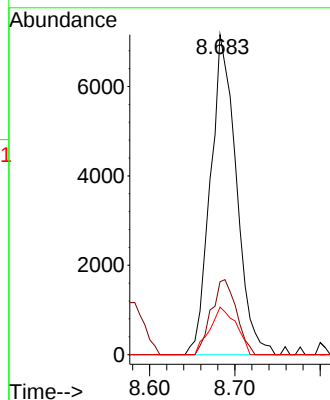
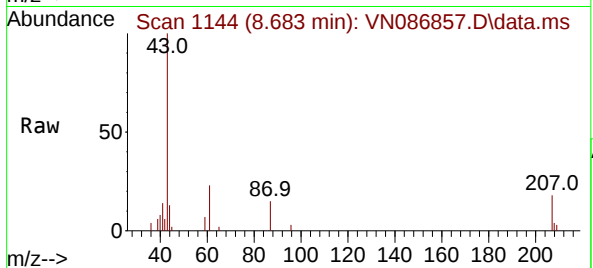
B-202-SB01

Tgt Ion: 43	Resp: 1511
Ion Ratio	Lower Upper
43	100
61	22.7 21.4 32.2
87	15.1 11.1 16.7

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025



#50

Toluene-d8

Concen: 51.984 ug/l

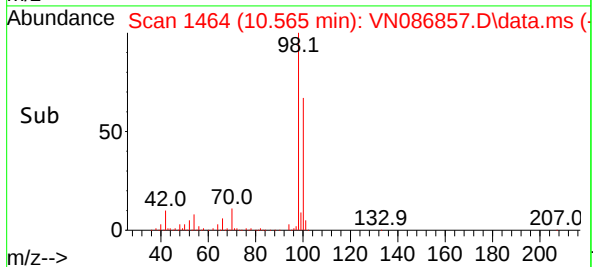
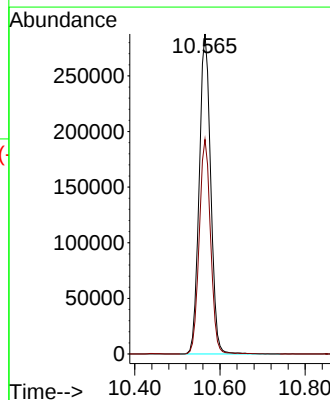
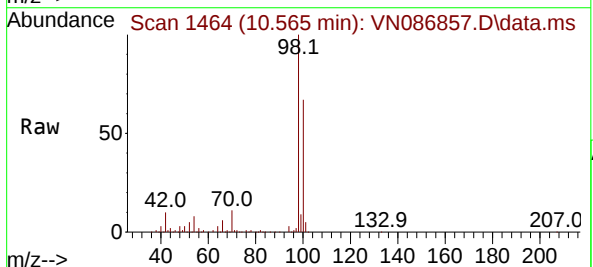
RT: 10.565 min Scan# 1464

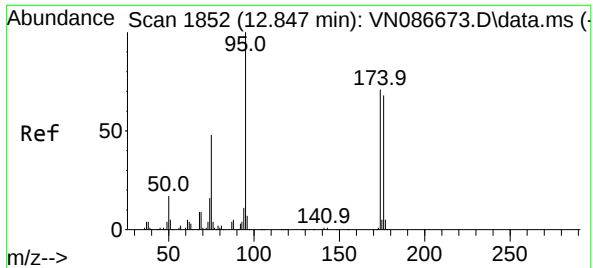
Delta R.T. -0.000 min

Lab File: VN086857.D

Acq: 03 Jun 2025 21:00

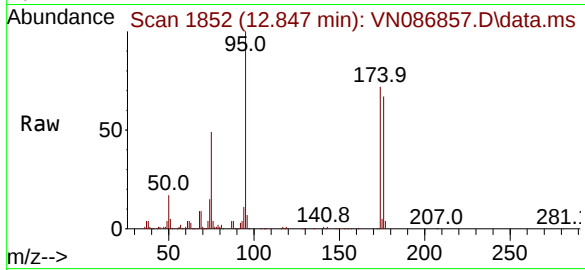
Tgt Ion: 98	Resp: 536776
Ion Ratio	Lower Upper
98	100
100	66.3 52.9 79.3





#62
4-Bromofluorobenzene
Concen: 54.562 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

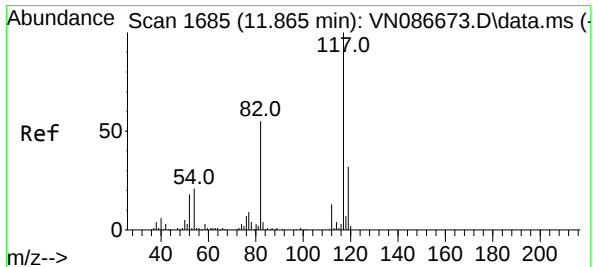
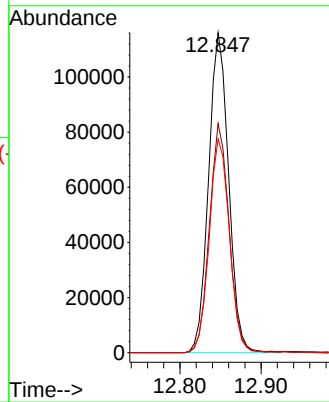
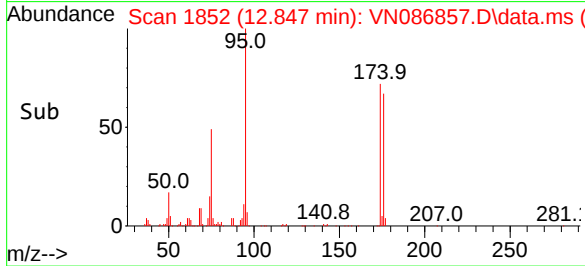
Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01



Tgt Ion: 95 Resp: 198933
Ion Ratio Lower Upper
95 100
174 70.5 0.0 145.4
176 67.1 0.0 137.8

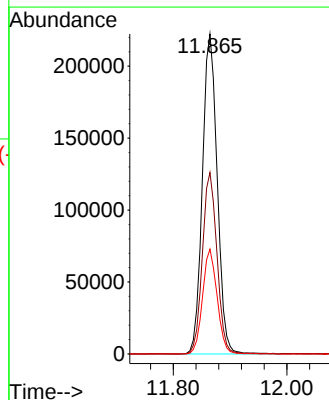
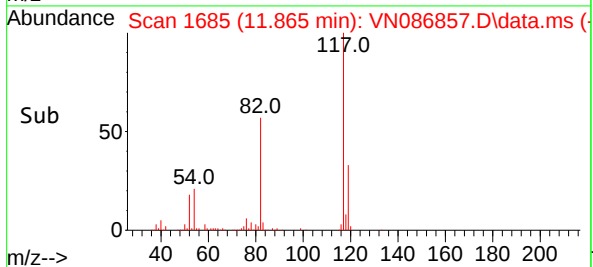
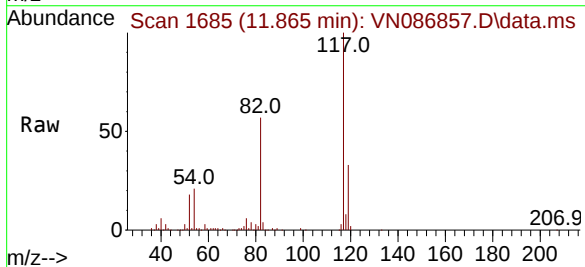
Manual Integrations
APPROVED

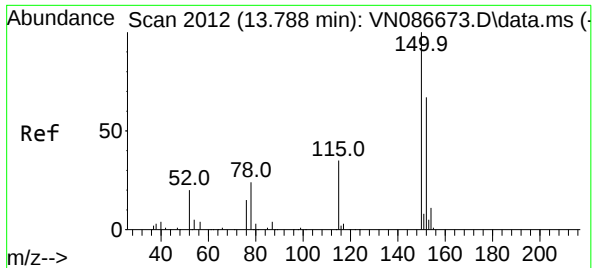
Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

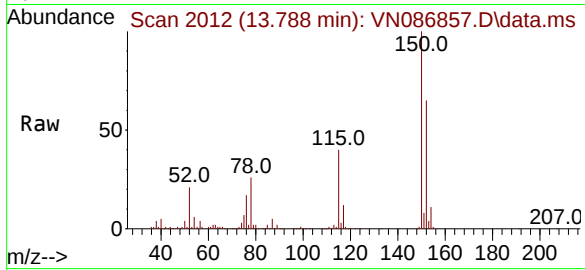
Tgt Ion:117 Resp: 402557
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 32.8 25.4 38.2





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN086857.D
Acq: 03 Jun 2025 21:00

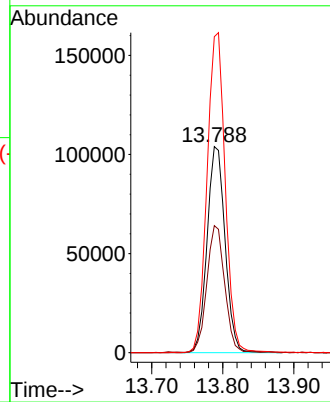
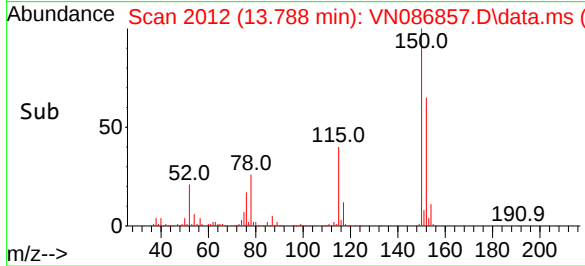
Instrument :
MSVOA_N
ClientSampleId :
B-202-SB01



Tgt Ion:152 Resp: 183854
Ion Ratio Lower Upper
152 100
115 60.4 30.0 90.1
150 156.3 0.0 347.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086836.D
Acq On : 03 Jun 2025 12:10
Operator : JC\MD
Sample : VN0603WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

A
B
C
D
E
F
G
H
I
J
K

Quant Time: Jun 04 01:56:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	257056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	493879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	460882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202290	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	165463	46.582	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.160%
35) Dibromofluoromethane	8.159	113	150868	51.294	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.580%
50) Toluene-d8	10.565	98	625163	51.290	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.580%
62) 4-Bromofluorobenzene	12.847	95	227449	52.849	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	105.700%

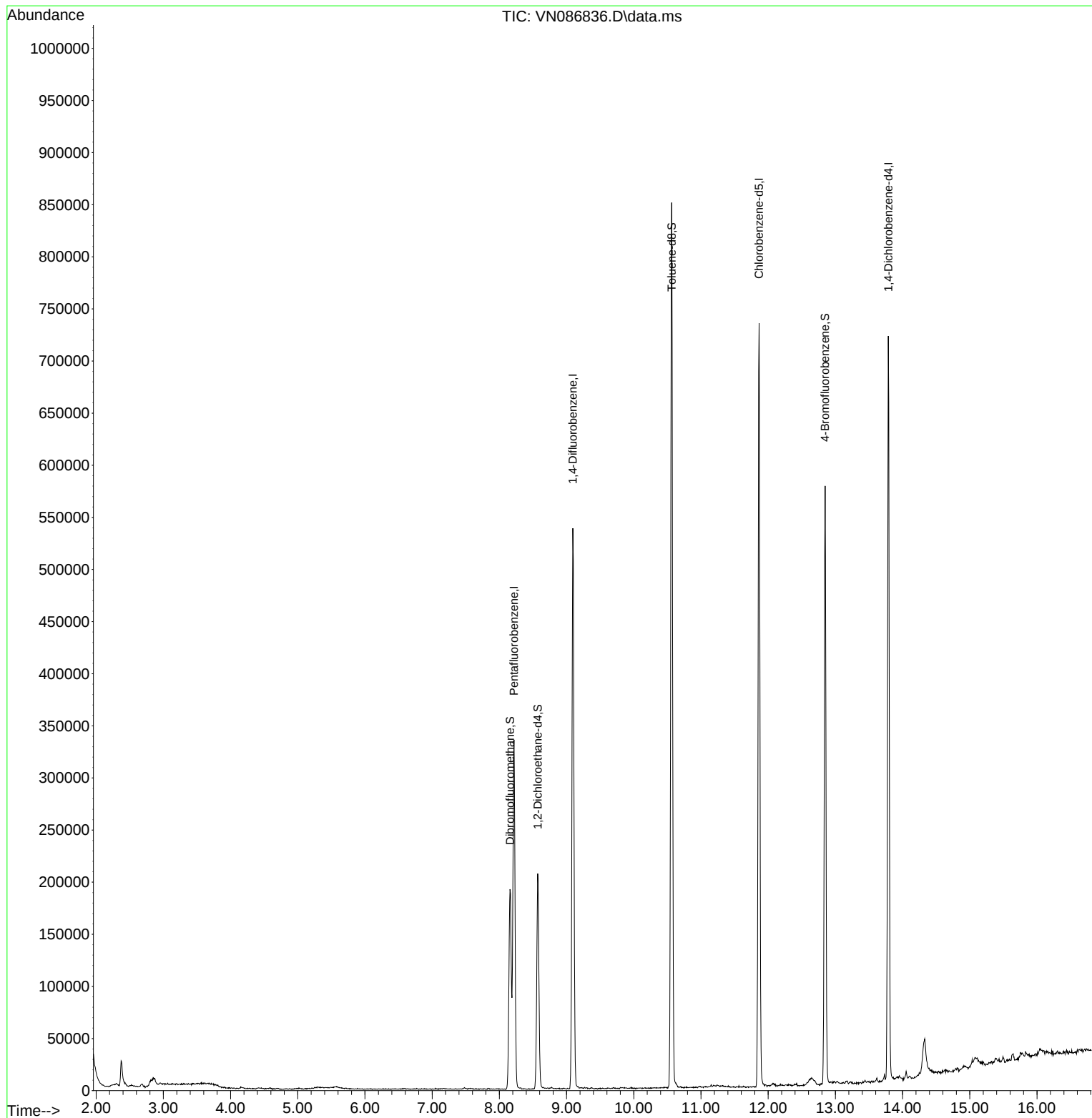
Target Compounds	Qvalue

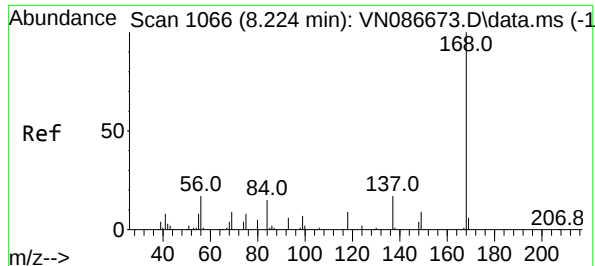
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086836.D
Acq On : 03 Jun 2025 12:10
Operator : JC\MD
Sample : VN0603WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

Quant Time: Jun 04 01:56:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

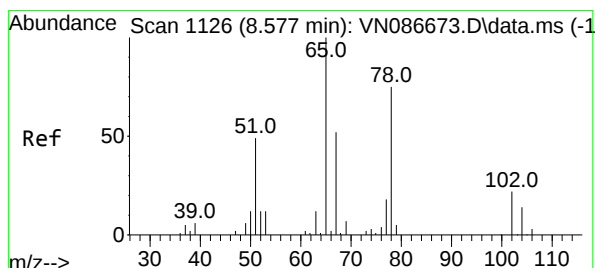
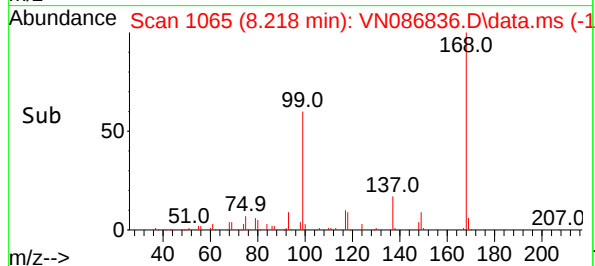
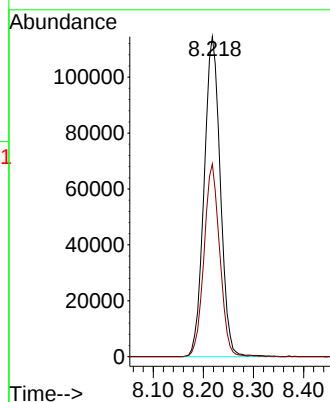
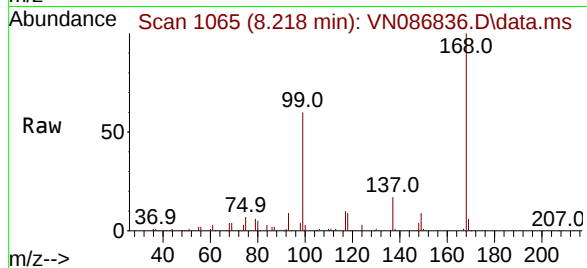




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

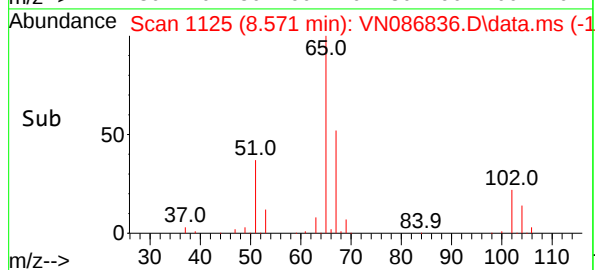
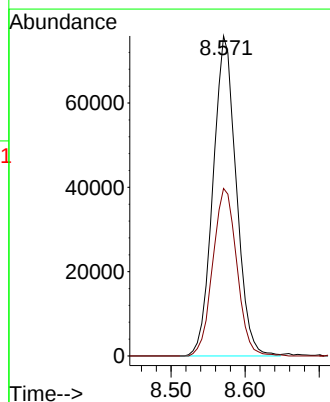
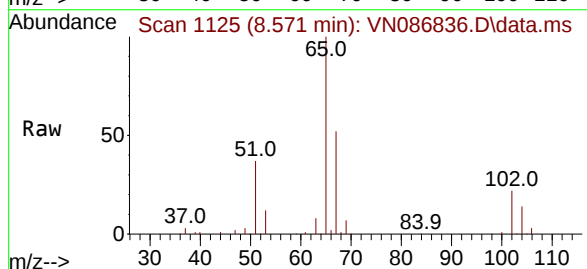
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

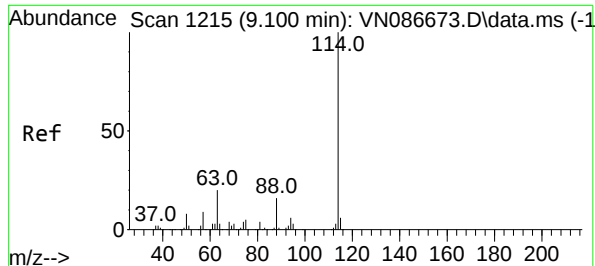
Tgt Ion:168 Resp: 257056
Ion Ratio Lower Upper
168 100
99 60.3 47.0 70.4



#33
1,2-Dichloroethane-d4
Concen: 46.582 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 65 Resp: 165463
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086836.D

Acq: 03 Jun 2025 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBL01

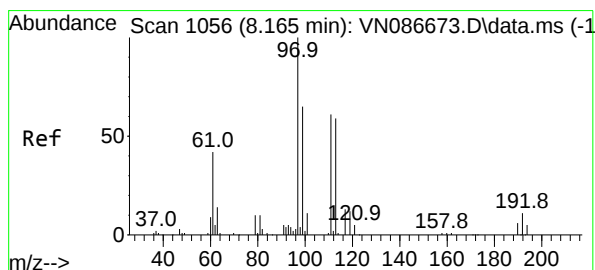
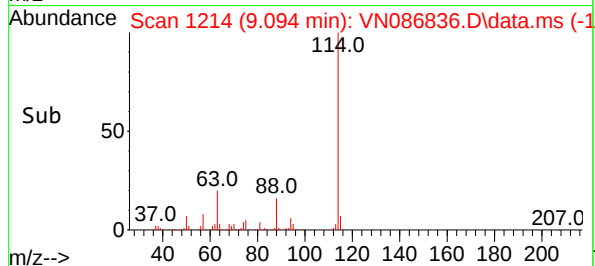
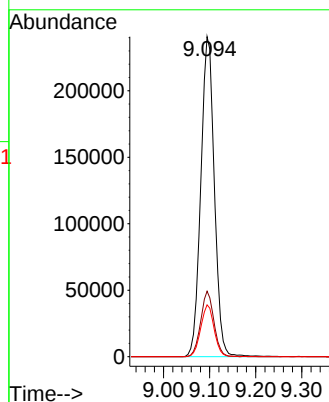
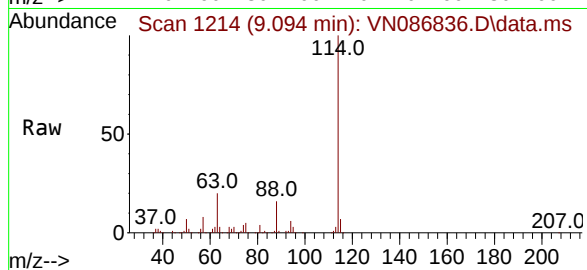
Tgt Ion:114 Resp: 493879

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.2

88 16.2 0.0 31.2



#35

Dibromofluoromethane

Concen: 51.294 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086836.D

Acq: 03 Jun 2025 12:10

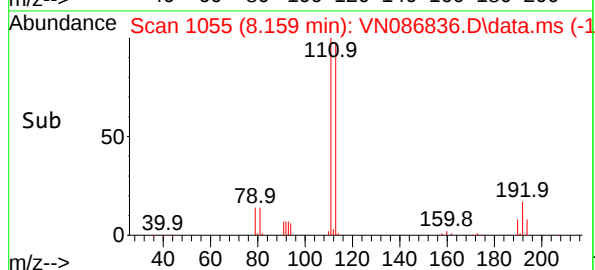
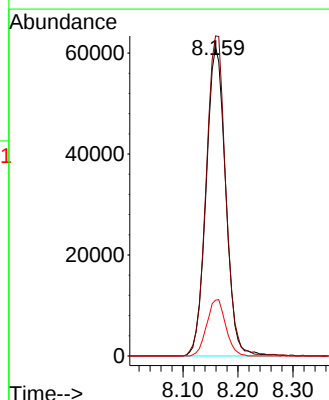
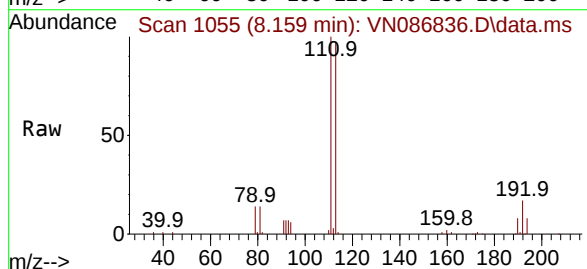
Tgt Ion:113 Resp: 150868

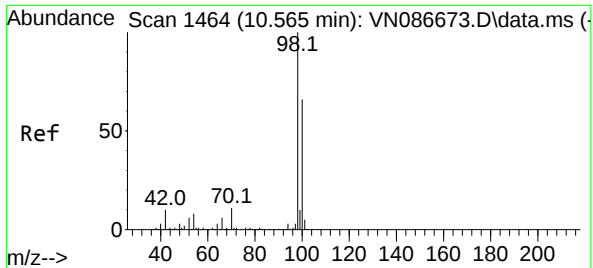
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.2

192 17.7 13.8 20.8

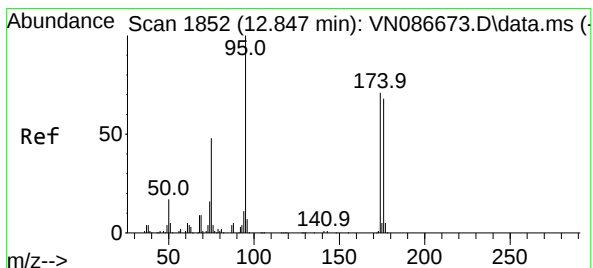
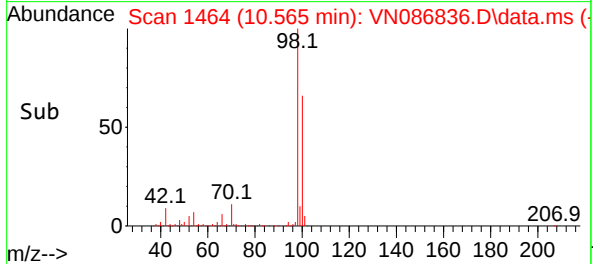
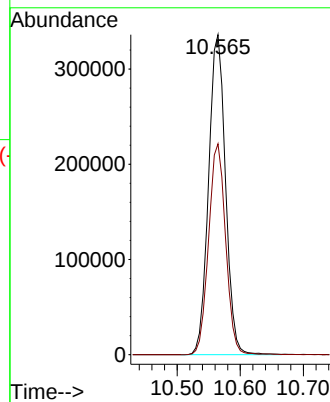
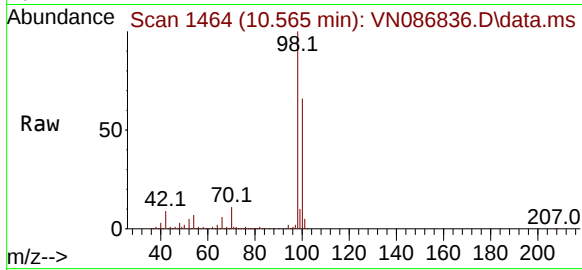




#50
Toluene-d8
Concen: 51.290 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

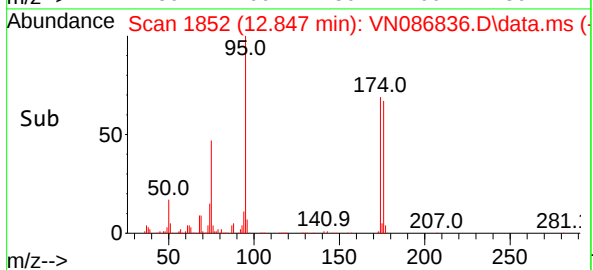
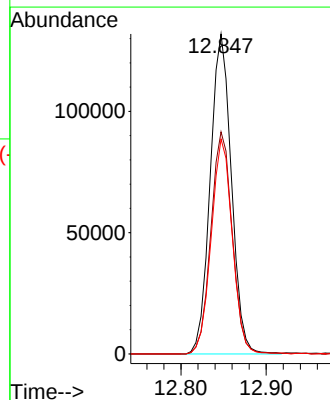
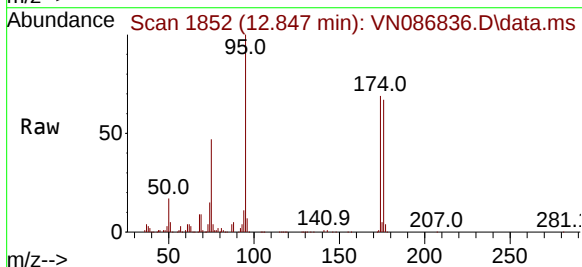
Instrument :
MSVOA_N
ClientSampleId :
VN0603WBL01

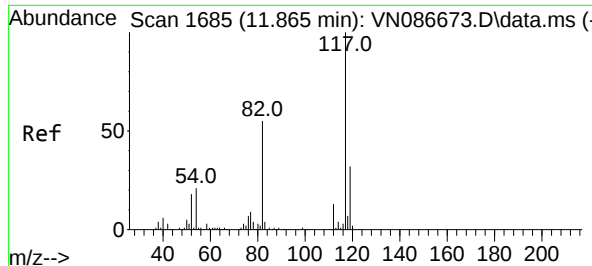
Tgt Ion: 98 Resp: 625163
Ion Ratio Lower Upper
98 100
100 66.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 52.849 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086836.D
Acq: 03 Jun 2025 12:10

Tgt Ion: 95 Resp: 227449
Ion Ratio Lower Upper
95 100
174 70.1 0.0 145.4
176 67.1 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086836.D

Acq: 03 Jun 2025 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0603WBL01

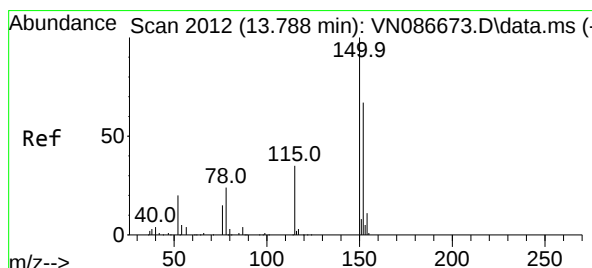
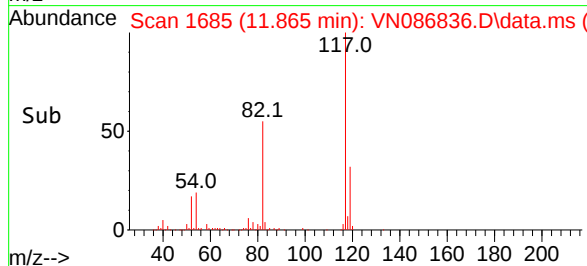
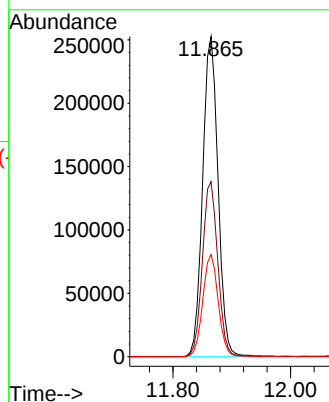
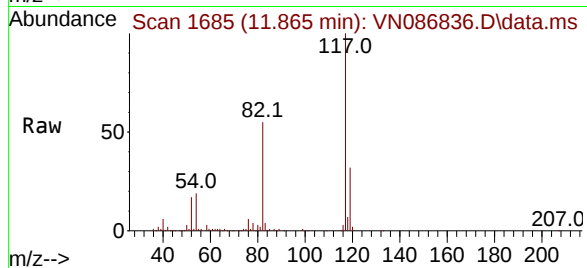
Tgt Ion:117 Resp: 460882

Ion Ratio Lower Upper

117 100

82 54.7 44.2 66.2

119 31.9 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086836.D

Acq: 03 Jun 2025 12:10

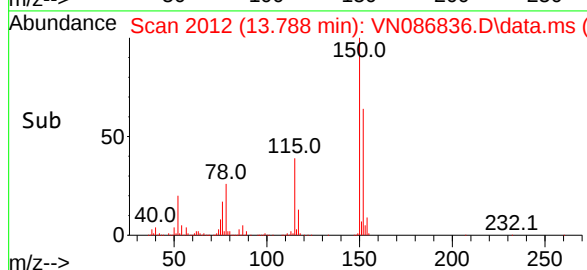
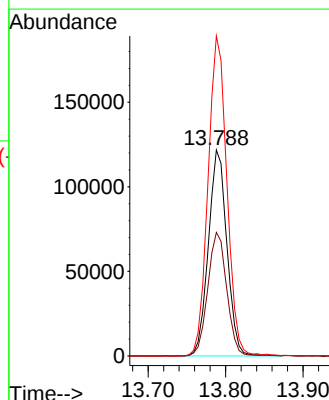
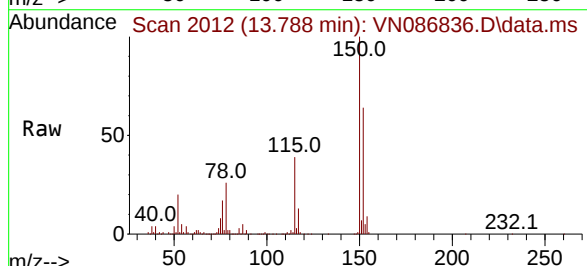
Tgt Ion:152 Resp: 202290

Ion Ratio Lower Upper

152 100

115 61.5 30.0 90.1

150 158.2 0.0 347.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086837.D
 Acq On : 03 Jun 2025 12:46
 Operator : JC\MD
 Sample : VN0603WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/04/2025
 Supervised By : Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 01:56:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	311874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	552803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	467842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208414	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.571	65	196901	45.690	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.380%
35) Dibromofluoromethane	8.159	113	162966	49.501	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.000%
50) Toluene-d8	10.565	98	650044	47.647	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.300%
62) 4-Bromofluorobenzene	12.847	95	227930	47.315	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.640%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.130	85	61689	18.316	ug/l	99
3) Chloromethane	2.371	50	124743	24.487	ug/l	99
4) Vinyl Chloride	2.530	62	76314	16.680	ug/l	96
5) Bromomethane	2.977	94	35389	13.418	ug/l	92
6) Chloroethane	3.136	64	50742	16.931	ug/l	89
7) Trichlorofluoromethane	3.501	101	99083	18.122	ug/l	98
8) Diethyl Ether	3.948	74	44442	19.676	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	62543	19.108	ug/l	97
10) Methyl Iodide	4.571	142	27330	6.712	ug/l	94
11) Tert butyl alcohol	5.512	59	70823	90.235	ug/l	99
12) 1,1-Dichloroethene	4.330	96	64398	18.513	ug/l	92
13) Acrolein	4.159	56	55618	66.287	ug/l	100
14) Allyl chloride	5.006	41	111061	21.094	ug/l	88
15) Acrylonitrile	5.712	53	179724	92.483	ug/l	99
16) Acetone	4.412	43	149854	92.959	ug/l	99
17) Carbon Disulfide	4.695	76	164472	17.078	ug/l	98
18) Methyl Acetate	5.012	43	84725	18.778	ug/l	100
19) Methyl tert-butyl Ether	5.783	73	231177	19.518	ug/l	99
20) Methylene Chloride	5.259	84	72387	17.016	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	68409	18.600	ug/l	92
22) Diisopropyl ether	6.665	45	228738	19.257	ug/l	97
23) Vinyl Acetate	6.595	43	834829	93.514	ug/l	100
24) 1,1-Dichloroethane	6.559	63	127319	18.256	ug/l	99
25) 2-Butanone	7.477	43	234150	93.996	ug/l	97
26) 2,2-Dichloropropane	7.483	77	115428	20.056	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	83833	18.570	ug/l	98
28) Bromochloromethane	7.806	49	63348	19.993	ug/l	97
29) Tetrahydrofuran	7.836	42	144894	89.113	ug/l	97
30) Chloroform	7.959	83	127505	18.266	ug/l	97
31) Cyclohexane	8.253	56	118488	18.319	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	109562	18.616	ug/l	93
36) 1,1-Dichloropropene	8.365	75	92546	19.058	ug/l	100
37) Ethyl Acetate	7.553	43	93247	19.009	ug/l	99
38) Carbon Tetrachloride	8.353	117	89775	18.763	ug/l	97
39) Methylcyclohexane	9.594	83	108094	20.567	ug/l	98
40) Benzene	8.600	78	303496	19.158	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086837.D
 Acq On : 03 Jun 2025 12:46
 Operator : JC\MD
 Sample : VN0603WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 06/04/2025
 Supervised By : Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 01:56:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	52387	19.779	ug/l	97
42) 1,2-Dichloroethane	8.665	62	90068	18.250	ug/l	98
43) Isopropyl Acetate	8.683	43	161210	16.394	ug/l	97
44) Trichloroethene	9.347	130	70515	18.455	ug/l	95
45) 1,2-Dichloropropane	9.618	63	73654	19.572	ug/l	97
46) Dibromomethane	9.706	93	47242	18.604	ug/l	98
47) Bromodichloromethane	9.883	83	101328	19.367	ug/l	99
48) Methyl methacrylate	9.677	41	74790	19.627	ug/l	97
49) 1,4-Dioxane	9.694	88	28415	352.158	ug/l #	96
51) 4-Methyl-2-Pentanone	10.441	43	456160	91.985	ug/l	98
52) Toluene	10.624	92	184334	18.722	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	114600	20.688	ug/l	97
54) cis-1,3-Dichloropropene	10.306	75	122048	20.183	ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	68666	18.696	ug/l	97
56) Ethyl methacrylate	10.877	69	117944	20.001	ug/l	96
57) 1,3-Dichloropropane	11.159	76	120199	18.997	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	293754	111.459	ug/l	100
59) 2-Hexanone	11.200	43	296191	81.789	ug/l	96
60) Dibromochloromethane	11.359	129	76418	19.853	ug/l	97
61) 1,2-Dibromoethane	11.465	107	69273	18.769	ug/l	99
64) Tetrachloroethene	11.100	164	56471	15.757	ug/l	97
65) Chlorobenzene	11.888	112	199999	19.495	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	66741	20.152	ug/l	97
67) Ethyl Benzene	11.959	91	346395	19.713	ug/l	99
68) m/p-Xylenes	12.071	106	264199	39.696	ug/l	98
69) o-Xylene	12.394	106	134320	20.300	ug/l	98
70) Styrene	12.412	104	216399	19.976	ug/l	100
71) Bromoform	12.576	173	48865	20.747	ug/l #	99
73) Isopropylbenzene	12.694	105	316849	19.684	ug/l	99
74) N-amyl acetate	12.506	43	116639	17.343	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.935	83	99132	20.046	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	81454m	17.281	ug/l	
77) Bromobenzene	12.976	156	74079	18.295	ug/l	100
78) n-propylbenzene	13.035	91	369822	20.020	ug/l	99
79) 2-Chlorotoluene	13.124	91	227183	18.915	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	257876	19.996	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	44806	23.990	ug/l	88
82) 4-Chlorotoluene	13.218	91	225346	18.937	ug/l	99
83) tert-Butylbenzene	13.435	119	219969	19.559	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	259010	20.168	ug/l	100
85) sec-Butylbenzene	13.612	105	309139	20.500	ug/l	100
86) p-Isopropyltoluene	13.723	119	263891	21.349	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	137032	19.544	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	135663	19.528	ug/l	99
89) n-Butylbenzene	14.053	91	223830	21.843	ug/l	99
90) Hexachloroethane	14.329	117	44022	21.464	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	128800	19.313	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	19200	23.437	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	69137	24.560	ug/l	99
94) Hexachlorobutadiene	15.500	225	24914	21.331	ug/l	98
95) Naphthalene	15.635	128	248177	25.391	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	67095	24.338	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086837.D
Acq On : 03 Jun 2025 12:46
Operator : JC\MD
Sample : VN0603WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 01:56:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

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\VN060325\
 Data File : VN086837.D
 Acq On : 03 Jun 2025 12:46
 Operator : JC\MD
 Sample : VN0603WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

MSVOA_N

Client SampleId :

VN0603WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/04/2025

Supervised By :Mahesh Dadoda 06/04/2025

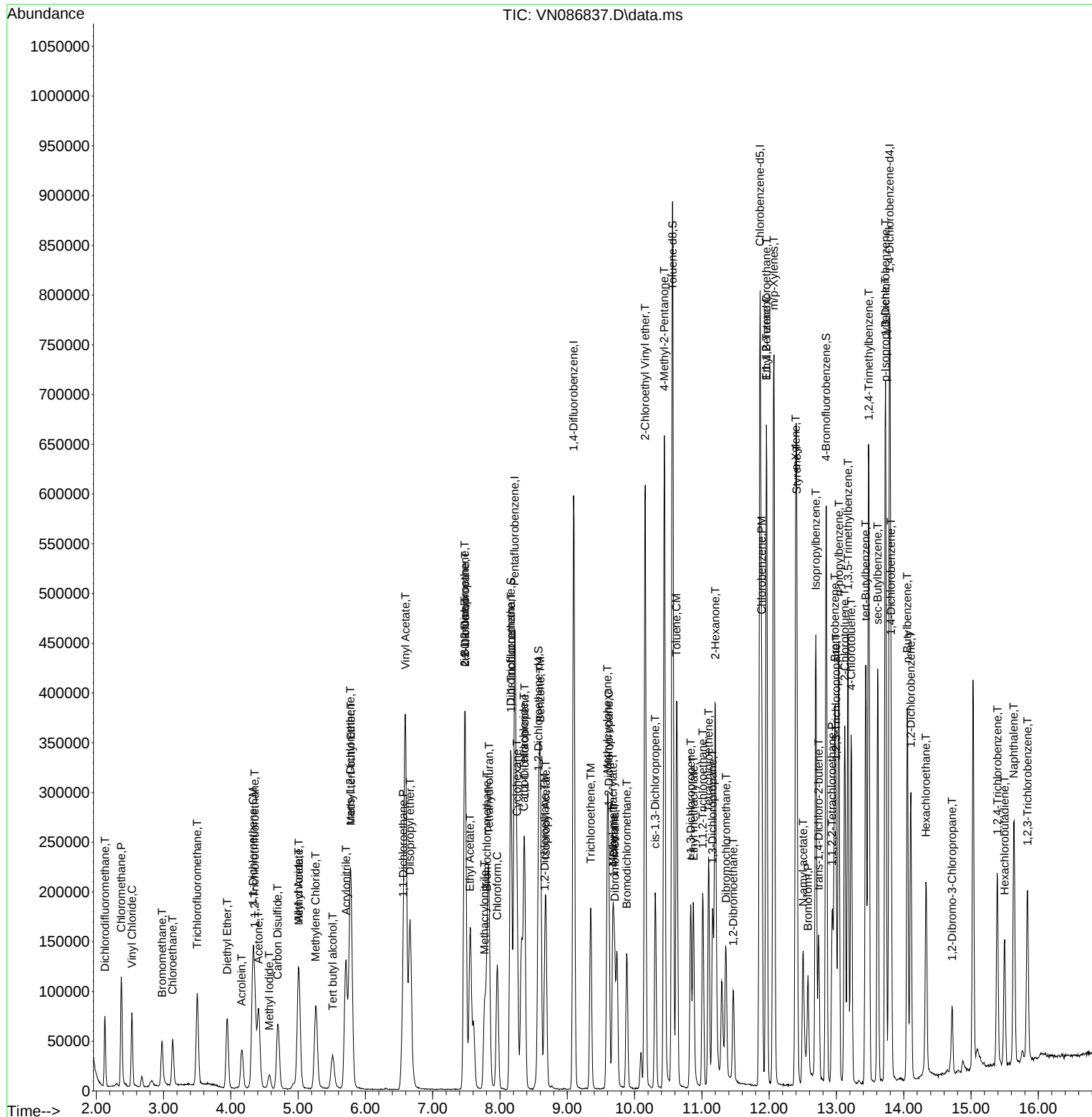
Quant Time: Jun 04 01:56:56 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M

Quant Title : SW846 8260

QLast Update : Sat May 17 00:46:13 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086838.D
 Acq On : 03 Jun 2025 13:20
 Operator : JC\MD
 Sample : VN0603WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
 Supervised By :Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 01:57:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	283988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	510275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	430553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	192303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	181973	46.372	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.740%		
35) Dibromofluoromethane	8.159	113	151891	49.982	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.960%		
50) Toluene-d8	10.565	98	591397	46.961	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.920%		
62) 4-Bromofluorobenzene	12.847	95	208331	46.851	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.130	85	53812	17.546	ug/l	98
3) Chloromethane	2.371	50	110222	23.761	ug/l	100
4) Vinyl Chloride	2.530	62	66995	16.081	ug/l	96
5) Bromomethane	2.977	94	32163	13.392	ug/l	97
6) Chloroethane	3.136	64	44514	16.311	ug/l	99
7) Trichlorofluoromethane	3.501	101	88148	17.705	ug/l	98
8) Diethyl Ether	3.948	74	40628	19.754	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.353	101	56654	19.008	ug/l	98
10) Methyl Iodide	4.571	142	26910	7.258	ug/l	99
11) Tert butyl alcohol	5.512	59	64897	90.804	ug/l	99
12) 1,1-Dichloroethene	4.324	96	56706	17.902	ug/l	99
13) Acrolein	4.159	56	40557	53.083	ug/l	96
14) Allyl chloride	5.006	41	98262	20.495	ug/l	89
15) Acrylonitrile	5.712	53	166222	93.934	ug/l	99
16) Acetone	4.412	43	125964	85.812	ug/l	94
17) Carbon Disulfide	4.700	76	150213	17.128	ug/l	99
18) Methyl Acetate	5.012	43	76462	18.611	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	214403	19.879	ug/l	100
20) Methylene Chloride	5.259	84	66446	17.153	ug/l	98
21) trans-1,2-Dichloroethene	5.771	96	60452	18.051	ug/l	95
22) Diisopropyl ether	6.659	45	211170	19.523	ug/l	98
23) Vinyl Acetate	6.594	43	785744	96.658	ug/l	98
24) 1,1-Dichloroethane	6.559	63	116831	18.397	ug/l	98
25) 2-Butanone	7.477	43	214606	94.610	ug/l	99
26) 2,2-Dichloropropane	7.483	77	103280	19.707	ug/l	100
27) cis-1,2-Dichloroethene	7.477	96	76629	18.641	ug/l	99
28) Bromochloromethane	7.812	49	57682	19.992	ug/l	96
29) Tetrahydrofuran	7.836	42	141314	95.445	ug/l	100
30) Chloroform	7.959	83	115571	18.183	ug/l	98
31) Cyclohexane	8.247	56	106015	18.000	ug/l	98
32) 1,1,1-Trichloroethane	8.159	97	98360	18.354	ug/l	94
36) 1,1-Dichloropropene	8.365	75	83438	18.614	ug/l	99
37) Ethyl Acetate	7.553	43	85931	18.978	ug/l	97
38) Carbon Tetrachloride	8.353	117	81872	18.537	ug/l	96
39) Methylcyclohexane	9.600	83	97899	20.179	ug/l	96
40) Benzene	8.600	78	274657	18.783	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
 Data File : VN086838.D
 Acq On : 03 Jun 2025 13:20
 Operator : JC\MD
 Sample : VN0603WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0603WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/04/2025
 Supervised By :Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 01:57:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.771	41	49006	20.045	ug/l	97
42) 1,2-Dichloroethane	8.665	62	83577	18.346	ug/l	96
43) Isopropyl Acetate	8.683	43	150999	16.635	ug/l	96
44) Trichloroethene	9.347	130	63258	17.936	ug/l	99
45) 1,2-Dichloropropane	9.618	63	67663	19.479	ug/l	98
46) Dibromomethane	9.706	93	44596	19.026	ug/l	99
47) Bromodichloromethane	9.882	83	93015	19.260	ug/l	98
48) Methyl methacrylate	9.677	41	68495	19.473	ug/l	97
49) 1,4-Dioxane	9.694	88	27033	362.952	ug/l #	81
51) 4-Methyl-2-Pentanone	10.441	43	425395	92.930	ug/l	99
52) Toluene	10.630	92	168549	18.546	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	104834	20.502	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	113076	20.258	ug/l	97
55) 1,1,2-Trichloroethane	11.012	97	63651	18.775	ug/l	98
56) Ethyl methacrylate	10.877	69	108927	20.011	ug/l	99
57) 1,3-Dichloropropane	11.159	76	112229	19.216	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	278884	114.636	ug/l	99
59) 2-Hexanone	11.200	43	270873	81.032	ug/l	98
60) Dibromochloromethane	11.359	129	68721	19.342	ug/l	99
61) 1,2-Dibromoethane	11.471	107	64226	18.852	ug/l	100
64) Tetrachloroethene	11.100	164	50645	15.355	ug/l	97
65) Chlorobenzene	11.888	112	182720	19.353	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	61410	20.148	ug/l	97
67) Ethyl Benzene	11.965	91	313319	19.375	ug/l	100
68) m/p-Xylenes	12.071	106	239195	39.052	ug/l	98
69) o-Xylene	12.394	106	117643	19.319	ug/l	99
70) Styrene	12.412	104	196969	19.757	ug/l	100
71) Bromoform	12.576	173	44330	20.451	ug/l #	98
73) Isopropylbenzene	12.694	105	287026	19.325	ug/l	99
74) N-amyl acetate	12.506	43	112027	18.053	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	93075	20.398	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	74966m	17.237	ug/l	
77) Bromobenzene	12.976	156	67245	17.999	ug/l	98
78) n-propylbenzene	13.035	91	329636	19.340	ug/l	99
79) 2-Chlorotoluene	13.123	91	205023	18.500	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	232803	19.564	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	40628	23.575	ug/l	90
82) 4-Chlorotoluene	13.218	91	206930	18.846	ug/l	100
83) tert-Butylbenzene	13.435	119	206598	19.909	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	233529	19.708	ug/l	99
85) sec-Butylbenzene	13.612	105	275626	19.809	ug/l	99
86) p-Isopropyltoluene	13.729	119	236095	20.700	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	122189	18.887	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	122295	19.079	ug/l	98
89) n-Butylbenzene	14.053	91	202721	21.440	ug/l	99
90) Hexachloroethane	14.329	117	38593	20.394	ug/l	93
91) 1,2-Dichlorobenzene	14.106	146	118775	19.302	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17995	23.806	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	63294	24.368	ug/l	99
94) Hexachlorobutadiene	15.494	225	22251	20.648	ug/l	98
95) Naphthalene	15.635	128	231862	25.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	61361	24.123	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060325\
Data File : VN086838.D
Acq On : 03 Jun 2025 13:20
Operator : JC\MD
Sample : VN0603WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 01:57:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025

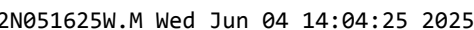
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN0603WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/04/2025
Supervised By :Mahesh Dadoda 06/04/2025



Manual Integration Report

Sequence:	vn051625	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN086661.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:32:47 AM	MMDadoda	5/19/2025 2:39:59 PM	Peak Integrated by Software
VSTDCCC020	VN086667.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:01 AM	MMDadoda	5/19/2025 2:40:37 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	1,4-Dichlorobenzene	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC001	VN086669.D	Isopropyl Acetate	JOHN	5/19/2025 9:33:07 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	Ethyl Acetate	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC005	VN086670.D	Vinyl Acetate	JOHN	5/19/2025 9:33:13 AM	MMDadoda	5/19/2025 2:40:36 PM	Peak Integrated by Software
VSTDICC010	VN086671.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:17 AM	MMDadoda	5/19/2025 2:40:45 PM	Peak Integrated by Software
VSTDICC010	VN086671.D	Vinyl Acetate	JOHN	5/19/2025 9:33:17 AM	MMDadoda	5/19/2025 2:40:45 PM	Peak Integrated by Software
VSTDICC020	VN086672.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:24 AM	MMDadoda	5/19/2025 2:40:35 PM	Peak Integrated by Software
VSTDICCC050	VN086673.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:44 AM	MMDadoda	5/19/2025 2:40:38 PM	Peak Integrated by Software
VSTDICC100	VN086674.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:48 AM	MMDadoda	5/19/2025 2:40:42 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	vn051625	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN086676.D	1,2,3-Trichloropropane	JOHN	5/19/2025 9:33:53 AM	MMDadoda	5/19/2025 2:40:47 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN060325	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086835.D	1,2,3-Trichloropropane	JOHN	6/4/2025 9:47:39 AM	MMDadoda	6/4/2025 4:21:22 PM	Peak Integrated by Software
VN0603WBS01	VN086837.D	1,2,3-Trichloropropane	JOHN	6/4/2025 9:47:43 AM	MMDadoda	6/4/2025 4:21:23 PM	Peak Integrated by Software
VN0603WBSD01	VN086838.D	1,2,3-Trichloropropane	JOHN	6/4/2025 9:47:48 AM	MMDadoda	6/4/2025 4:21:25 PM	Peak Integrated by Software
Q2177-07	VN086857.D	Methylene Chloride	JOHN	6/4/2025 9:48:04 AM	MMDadoda	6/4/2025 4:21:29 PM	Peak Integrated by Software
VSTDCCC050	VN086860.D	1,2,3-Trichloropropane	JOHN	6/4/2025 9:48:08 AM	MMDadoda	6/4/2025 4:21:30 PM	Peak Integrated by Software

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN051625

Review By	John Carlone	Review On	5/19/2025 9:34:08 AM
Supervise By	Maresh Dadoda	Supervise On	5/19/2025 2:40:58 PM
SubDirectory	VN051625	HP Acquire Method	HP Processing Method 624N042325W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133946,VP133952		
CCC Internal Standard/PEM	VP133947,VP133948		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133981		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086660.D	16 May 2025 09:17	JC\MD	Ok
2	VSTDCCC020	VN086661.D	16 May 2025 11:37	JC\MD	Ok,M
3	VN0516WBS01	VN086662.D	16 May 2025 12:13	JC\MD	Ok,M
4	VN0516WBSD01	VN086663.D	16 May 2025 12:46	JC\MD	Ok,M
5	VN0516WBL01	VN086664.D	16 May 2025 13:20	JC\MD	Ok
6	Q2006-01	VN086665.D	16 May 2025 13:54	JC\MD	Ok
7	IBLK	VN086666.D	16 May 2025 14:46	JC\MD	Ok
8	VSTDCCC020	VN086667.D	16 May 2025 15:09	JC\MD	Ok,M
9	BFB	VN086668.D	16 May 2025 15:33	JC\MD	Ok
10	VSTDICC001	VN086669.D	16 May 2025 16:31	JC\MD	Ok,M
11	VSTDICC005	VN086670.D	16 May 2025 16:55	JC\MD	Ok,M
12	VSTDICC010	VN086671.D	16 May 2025 17:19	JC\MD	Ok,M
13	VSTDICC020	VN086672.D	16 May 2025 17:43	JC\MD	Ok,M
14	VSTDICCC050	VN086673.D	16 May 2025 18:08	JC\MD	Ok,M
15	VSTDICC100	VN086674.D	16 May 2025 18:32	JC\MD	Ok,M
16	IBLK	VN086675.D	16 May 2025 18:56	JC\MD	Ok
17	VSTDICV050	VN086676.D	16 May 2025 19:20	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN060325

Review By	John Carlone	Review On	6/4/2025 9:49:12 AM
Supervise By	Mahesh Dadoda	Supervise On	6/4/2025 4:21:37 PM
SubDirectory	VN060325	HP Acquire Method	HP Processing Method 82N051625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134103		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134104,VP134105		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086834.D	03 Jun 2025 10:47	JC\MD	Ok
2	VSTDCCC050	VN086835.D	03 Jun 2025 11:30	JC\MD	Ok,M
3	VN0603WBL01	VN086836.D	03 Jun 2025 12:10	JC\MD	Ok
4	VN0603WBS01	VN086837.D	03 Jun 2025 12:46	JC\MD	Ok,M
5	VN0603WBSD01	VN086838.D	03 Jun 2025 13:20	JC\MD	Ok,M
6	PB168225TB	VN086839.D	03 Jun 2025 13:44	JC\MD	Ok
7	PB168225ZHE#01	VN086840.D	03 Jun 2025 14:08	JC\MD	Ok
8	PB168225ZHE#02	VN086841.D	03 Jun 2025 14:33	JC\MD	Ok
9	PB168225ZHE#03	VN086842.D	03 Jun 2025 14:57	JC\MD	Ok
10	PB168225ZHE#04	VN086843.D	03 Jun 2025 15:21	JC\MD	Ok
11	PB168225ZHE#05	VN086844.D	03 Jun 2025 15:45	JC\MD	Ok
12	PB168225ZHE#06	VN086845.D	03 Jun 2025 16:09	JC\MD	Ok
13	PB168225ZHE#07	VN086846.D	03 Jun 2025 16:34	JC\MD	Ok
14	PB168225ZHE#08	VN086847.D	03 Jun 2025 16:58	JC\MD	Ok
15	PB168225ZHE#09	VN086848.D	03 Jun 2025 17:22	JC\MD	Ok
16	PB168225ZHE#10	VN086849.D	03 Jun 2025 17:46	JC\MD	Ok
17	PB168225ZHE#11	VN086850.D	03 Jun 2025 18:11	JC\MD	Ok
18	PB168225ZHE#12	VN086851.D	03 Jun 2025 18:36	JC\MD	Ok,M
19	PB168225ZHE#13	VN086852.D	03 Jun 2025 18:59	JC\MD	Ok
20	PB168225ZHE#14	VN086853.D	03 Jun 2025 19:23	JC\MD	Ok
21	PB168225ZHE#15	VN086854.D	03 Jun 2025 19:48	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060325

Review By	John Carlone	Review On	6/4/2025 9:49:12 AM
Supervise By	Mahesh Dadoda	Supervise On	6/4/2025 4:21:37 PM
SubDirectory	VN060325	HP Acquire Method	HP Processing Method 82N051625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134103		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134104,VP134105		

22	Q2177-03	VN086855.D	03 Jun 2025 20:12	JC\MD	Ok
23	Q2177-05	VN086856.D	03 Jun 2025 20:36	JC\MD	Ok
24	Q2177-07	VN086857.D	03 Jun 2025 21:00	JC\MD	Ok,M
25	Q2185-04	VN086858.D	03 Jun 2025 21:25	JC\MD	Ok
26	Q2185-08	VN086859.D	03 Jun 2025 21:49	JC\MD	Ok
27	VSTDCCC050	VN086860.D	03 Jun 2025 22:13	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN051625

Review By	John Carlone	Review On	5/19/2025 9:34:08 AM
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:40:58 PM
SubDirectory	VN051625	HP Acquire Method	HP Processing Method 624N042325W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133946,VP133952		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133947,VP133948 VP133981		

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086660.D	16 May 2025 09:17		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN086661.D	16 May 2025 11:37	pH#Lot#V12668	JC\MD	Ok,M
3	VN0516WBS01	VN0516WBS01	VN086662.D	16 May 2025 12:13		JC\MD	Ok,M
4	VN0516WBSD01	VN0516WBSD01	VN086663.D	16 May 2025 12:46		JC\MD	Ok,M
5	VN0516WBL01	VN0516WBL01	VN086664.D	16 May 2025 13:20		JC\MD	Ok
6	Q2006-01	EFF-WW	VN086665.D	16 May 2025 13:54	vial A pH<2	JC\MD	Ok
7	IBLK	IBLK	VN086666.D	16 May 2025 14:46		JC\MD	Ok
8	VSTDCCC020	VSTDCCC020EC	VN086667.D	16 May 2025 15:09		JC\MD	Ok,M
9	BFB	BFB	VN086668.D	16 May 2025 15:33		JC\MD	Ok
10	VSTDICC001	VSTDICC001	VN086669.D	16 May 2025 16:31		JC\MD	Ok,M
11	VSTDICC005	VSTDICC005	VN086670.D	16 May 2025 16:55		JC\MD	Ok,M
12	VSTDICC010	VSTDICC010	VN086671.D	16 May 2025 17:19		JC\MD	Ok,M
13	VSTDICC020	VSTDICC020	VN086672.D	16 May 2025 17:43		JC\MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VN086673.D	16 May 2025 18:08		JC\MD	Ok,M
15	VSTDICC100	VSTDICC100	VN086674.D	16 May 2025 18:32		JC\MD	Ok,M
16	IBLK	IBLK	VN086675.D	16 May 2025 18:56		JC\MD	Ok
17	VSTDICV050	ICVVN051625	VN086676.D	16 May 2025 19:20		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060325

Review By	John Carlone	Review On	6/4/2025 9:49:12 AM
Supervise By	Mahesh Dadoda	Supervise On	6/4/2025 4:21:37 PM
SubDirectory	VN060325	HP Acquire Method	HP Processing Method 82N051625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134103		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134104,VP134105		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086834.D	03 Jun 2025 10:47		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086835.D	03 Jun 2025 11:30	pH#Lot#V12668	JC\MD	Ok,M
3	VN0603WBL01	VN0603WBL01	VN086836.D	03 Jun 2025 12:10		JC\MD	Ok
4	VN0603WBS01	VN0603WBS01	VN086837.D	03 Jun 2025 12:46		JC\MD	Ok,M
5	VN0603WBSD01	VN0603WBSD01	VN086838.D	03 Jun 2025 13:20		JC\MD	Ok,M
6	PB168225TB	PB168225TB	VN086839.D	03 Jun 2025 13:44		JC\MD	Ok
7	PB168225ZHE#01	PB168225ZHE#01	VN086840.D	03 Jun 2025 14:08		JC\MD	Ok
8	PB168225ZHE#02	PB168225ZHE#02	VN086841.D	03 Jun 2025 14:33		JC\MD	Ok
9	PB168225ZHE#03	PB168225ZHE#03	VN086842.D	03 Jun 2025 14:57		JC\MD	Ok
10	PB168225ZHE#04	PB168225ZHE#04	VN086843.D	03 Jun 2025 15:21		JC\MD	Ok
11	PB168225ZHE#05	PB168225ZHE#05	VN086844.D	03 Jun 2025 15:45		JC\MD	Ok
12	PB168225ZHE#06	PB168225ZHE#06	VN086845.D	03 Jun 2025 16:09		JC\MD	Ok
13	PB168225ZHE#07	PB168225ZHE#07	VN086846.D	03 Jun 2025 16:34		JC\MD	Ok
14	PB168225ZHE#08	PB168225ZHE#08	VN086847.D	03 Jun 2025 16:58		JC\MD	Ok
15	PB168225ZHE#09	PB168225ZHE#09	VN086848.D	03 Jun 2025 17:22		JC\MD	Ok
16	PB168225ZHE#10	PB168225ZHE#10	VN086849.D	03 Jun 2025 17:46		JC\MD	Ok
17	PB168225ZHE#11	PB168225ZHE#11	VN086850.D	03 Jun 2025 18:11		JC\MD	Ok
18	PB168225ZHE#12	PB168225ZHE#12	VN086851.D	03 Jun 2025 18:36		JC\MD	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060325

Review By	John Carlone	Review On	6/4/2025 9:49:12 AM
Supervise By	Maresh Dadoda	Supervise On	6/4/2025 4:21:37 PM
SubDirectory	VN060325	HP Acquire Method	HP Processing Method 82N051625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134103		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134104,VP134105		

19	PB168225ZHE#13	PB168225ZHE#13	VN086852.D	03 Jun 2025 18:59		JC\MD	Ok
20	PB168225ZHE#14	PB168225ZHE#14	VN086853.D	03 Jun 2025 19:23		JC\MD	Ok
21	PB168225ZHE#15	PB168225ZHE#15	VN086854.D	03 Jun 2025 19:48		JC\MD	Ok
22	Q2177-03	B-187-SB01	VN086855.D	03 Jun 2025 20:12	vial A pH#5.0	JC\MD	Ok
23	Q2177-05	B-187-SB02	VN086856.D	03 Jun 2025 20:36	vial A pH#5.0	JC\MD	Ok
24	Q2177-07	B-202-SB01	VN086857.D	03 Jun 2025 21:00	vial A pH#5.0	JC\MD	Ok,M
25	Q2185-04	TP02-MHB-WC	VN086858.D	03 Jun 2025 21:25	vial A pH#5.0	JC\MD	Ok
26	Q2185-08	TP01-MHB-WC	VN086859.D	03 Jun 2025 21:49	vial A pH#5.0	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN086860.D	03 Jun 2025 22:13		JC\MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q2177	OrderDate:	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-03	B-187-SB01	TCLP	TCLP VOA	8260D	05/31/25		06/03/25	06/02/25
Q2177-05	B-187-SB02	TCLP	TCLP VOA	8260D	05/31/25		06/03/25	06/02/25
Q2177-07	B-202-SB01	TCLP	TCLP VOA	8260D	05/31/25		06/03/25	06/02/25

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
Pipette ID : WC
Tumbler ID : ZHE-1 / ZHE-2
TCLP Filter ID : 50223706

Start Prep Date : 06/02/2025 **Time :** 16:00

End Prep Date : 06/03/2025 **Time :** 09:15

Combination Ratio : 20

ZHE Cleaning Batch : ⁷⁰ N/A VN060325

Initial Room Temperature: 22 °C

Final Room Temperature: 21 °C

TCLP Technician Signature : JP

Supervisor By : SJ

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

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

Extraction Conformance/Non-Conformance Comments:

TUMBLER ZHE-1 /ZHE-2 checked,30 rpm. ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 minutes of tumbling.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/03/25 11:00	<u>SA</u> <u>TCLP Room</u>	<u>SJ</u> <u>1000246</u>
	Preparation Group	Analysis Group

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168225TB	LEB225	16	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2
Q2159-04	TP05-MHO-WC	01	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2160-04	TP04-MHG-WC	02	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2160-08	TP05-MHH-WC	03	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2168-04	A3	04	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2168-08	B3	05	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2168-12	C2	06	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2172-04	TP06-MHQ	07	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2173-06	OR-400-CF-402B-COMP-23	08	25.04	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2173-12	OR-400-CF-402B-COMP-24	09	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2173-18	OR-400-CF-402B-COMP-25	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2177-03	B-187-SB01	11	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2177-05	B-187-SB02	12	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2177-07	B-202-SB01	13	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2185-04	TP02-MHB-WC	14	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2185-08	TP01-MHB-WC	15	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168225TB	LEB225	N/A	N/A	N/A	N/A	N/A	N/A
Q2159-04	TP05-MHO-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-04	TP04-MHG-WC	N/A	N/A	N/A	N/A	100	N/A
Q2160-08	TP05-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2168-04	A3	N/A	N/A	N/A	N/A	100	N/A
Q2168-08	B3	N/A	N/A	N/A	N/A	100	N/A
Q2168-12	C2	N/A	N/A	N/A	N/A	100	N/A
Q2172-04	TP06-MHQ	N/A	N/A	N/A	N/A	100	N/A
Q2173-06	OR-400-CF-402B-COMP-23	N/A	N/A	N/A	N/A	100	N/A
Q2173-12	OR-400-CF-402B-COMP-24	N/A	N/A	N/A	N/A	100	N/A
Q2173-18	OR-400-CF-402B-COMP-25	N/A	N/A	N/A	N/A	100	N/A
Q2177-03	B-187-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2177-05	B-187-SB02	N/A	N/A	N/A	N/A	100	N/A
Q2177-07	B-202-SB01	N/A	N/A	N/A	N/A	100	N/A
Q2185-04	TP02-MHB-WC	N/A	N/A	N/A	N/A	100	N/A
Q2185-08	TP01-MHB-WC	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip zhe q2177

WorkList ID : 189872

Department : TCLP Extraction

Date : 06-02-2025 12:11:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-04	TP05-MHO-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311 ZHE
Q2160-04	TP04-MHG-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311 ZHE
Q2160-08	TP05-MHH-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311 ZHE
Q2168-04	A3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/29/2025	1311 ZHE
Q2168-08	B3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311 ZHE
Q2168-12	C2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L41	05/30/2025	1311 ZHE
Q2172-04	TP06-MHQ	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311 ZHE
Q2173-06	OR-400-CF-402B-COMP-23	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311 ZHE
Q2173-12	OR-400-CF-402B-COMP-24	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311 ZHE
Q2173-18	OR-400-CF-402B-COMP-25	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	05/30/2025	1311 ZHE
Q2177-03	B-187-SB01	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311 ZHE
Q2177-05	B-187-SB02	Solid	TCLP ZHE Extraction	Cool 4 deg C	PORT06	L41	05/31/2025	1311 ZHE
Q2177-07	B-202-SB01	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	06/02/2025	1311 ZHE
Q2185-04	TP02-MHB-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	06/02/2025	1311 ZHE
Q2185-08	TP01-MHB-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	L31	06/02/2025	1311 ZHE

Date/Time 06/02/25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/02/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]