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

Hit Summary Sheet
SW-846

SDG No.: Q2402

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**OBSI**								
Q2402-01	OBSI	Water	Chloromethane		0.79	J	0.32	1.00	ug/L
Q2402-01	OBSI	Water	Acetone		2.70	J	1.50	5.00	ug/L
Q2402-01	OBSI	Water	Benzene		0.82	J	0.15	1.00	ug/L
Q2402-01	OBSI	Water	Toluene		0.57	J	0.14	1.00	ug/L
Q2402-01	OBSI	Water	m/p-Xylenes		0.48	J	0.24	2.00	ug/L
			Total Voc :		5.36				
Q2402-01	OBSI	Water	1,2,4-Trimethylbenzene	*	0.41	J	0.14	1.00	ug/L
			Total Tics :		0.41				
			Total Concentration:		5.77				

SAMPLE DATA

Raw Data: **VN087159.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	G Environmental	Date Collected:	06/23/25
Project:	Pit	Date Received:	06/23/25
Client Sample ID:	OBSI	SDG No.:	Q2402
Lab Sample ID:	Q2402-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087159.D	1		06/24/25 16:11	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.79	J	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	2.70	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.82	J	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.57	J	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Raw Data: **VN087159.D**

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Report of Analysis

Client:	G Environmental		Date Collected:	06/23/25	
Project:	Pit		Date Received:	06/23/25	
Client Sample ID:	OBSI		SDG No.:	Q2402	
Lab Sample ID:	Q2402-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087159.D	1		06/24/25 16:11	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.48	J	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.1		70 (74) - 130 (125)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	52.8		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	8.23			
540-36-3	1,4-Difluorobenzene	387000	9.106			
3114-55-4	Chlorobenzene-d5	336000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	160000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						
95-63-6	1,2,4-Trimethylbenzene	0.41	J		13.5	ug/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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

SDG No.: Q2402

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2402-01	OBSI	1,2-Dichloroethane-d4	50	61.1	122	70 (74)	130 (125)
		Dibromofluoromethane	50	50.2	100	70 (75)	130 (124)
		Toluene-d8	50	52.8	106	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.4	99	70 (77)	130 (121)
VN0624WBL01	VN0624WBL01	1,2-Dichloroethane-d4	50	56.3	113	70 (74)	130 (125)
		Dibromofluoromethane	50	53.1	106	70 (75)	130 (124)
		Toluene-d8	50	53.0	106	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.4	105	70 (77)	130 (121)
VN0624WBS01	VN0624WBS01	1,2-Dichloroethane-d4	50	52.5	105	70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103	70 (75)	130 (124)
		Toluene-d8	50	47.1	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.6	105	70 (77)	130 (121)
VN0624WBSD0	VN0624WBSD01	1,2-Dichloroethane-d4	50	54.1	108	70 (74)	130 (125)
		Dibromofluoromethane	50	54.7	109	70 (75)	130 (124)
		Toluene-d8	50	47.6	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.8	102	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2402

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN087152.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0624WBS01	Chloromethane	20	17.6	ug/L	88			40 (65)	160 (116)	
	Vinyl chloride	20	19.4	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	16.8	ug/L	84			40 (58)	160 (125)	
	Chloroethane	20	15.2	ug/L	76			40 (56)	160 (128)	
	Tert butyl alcohol	100	94.0	ug/L	94			70 (48)	130 (142)	
	1,1-Dichloroethene	20	19.3	ug/L	97			70 (74)	130 (110)	
	Acetone	100	98.7	ug/L	99			40 (60)	160 (125)	
	Carbon disulfide	20	19.4	ug/L	97			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			70 (78)	130 (114)	
	Methylene Chloride	20	19.2	ug/L	96			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.9	ug/L	100			70 (75)	130 (108)	
	1,1-Dichloroethane	20	21.0	ug/L	105			70 (78)	130 (112)	
	2-Butanone	100	98.8	ug/L	99			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.8	ug/L	94			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.5	ug/L	103			70 (77)	130 (110)	
	Chloroform	20	19.5	ug/L	98			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.5	ug/L	98			70 (80)	130 (108)	
	Benzene	20	18.0	ug/L	90			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.0	ug/L	100			70 (80)	130 (115)	
	Trichloroethene	20	18.3	ug/L	92			70 (77)	130 (113)	
	1,2-Dichloropropane	20	17.7	ug/L	89			70 (83)	130 (111)	
	Bromodichloromethane	20	19.4	ug/L	97			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	95.6	ug/L	96			40 (74)	160 (118)	
	Toluene	20	18.5	ug/L	93			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.6	ug/L	98			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.5	ug/L	93			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	19.4	ug/L	97			70 (83)	130 (112)	
	2-Hexanone	100	85.0	ug/L	85			40 (73)	160 (117)	
	Dibromochloromethane	20	20.2	ug/L	101			70 (82)	130 (110)	
	Tetrachloroethene	20	16.9	ug/L	85			70 (67)	130 (123)	
	Chlorobenzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	Ethyl Benzene	20	18.2	ug/L	91			70 (83)	130 (109)	
	m/p-Xylenes	40	35.8	ug/L	90			70 (82)	130 (110)	
	o-Xylene	20	18.3	ug/L	92			70 (83)	130 (109)	
	Styrene	20	18.2	ug/L	91			70 (80)	130 (111)	
	Bromoform	20	19.8	ug/L	99			70 (79)	130 (109)	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			70 (76)	130 (118)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2402

Client: G Environmental

Analytical Method: SW8260-Low **Datafile :** VN087153.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0624WBSD01	Chloromethane	20	17.0	ug/L	85	3		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	16.8	ug/L	84	14		70 (65)	130 (117)	20 (19)
	Bromomethane	20	15.9	ug/L	79	6		40 (58)	160 (125)	20 (20)
	Chloroethane	20	14.8	ug/L	74	3		40 (56)	160 (128)	20 (20)
	Tert butyl alcohol	100	100	ug/L	100	6		70 (48)	130 (142)	20 (30)
	1,1-Dichloroethene	20	18.8	ug/L	94	3		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	1		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	19.3	ug/L	97	0		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.8	ug/L	104	4		70 (78)	130 (114)	20 (20)
	Methylene Chloride	20	20.0	ug/L	100	4		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.3	ug/L	97	3		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	20.3	ug/L	102	3		70 (78)	130 (112)	20 (20)
	2-Butanone	100	100	ug/L	100	1		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	19.0	ug/L	95	1		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.5	ug/L	98	5		70 (77)	130 (110)	20 (20)
	Chloroform	20	20.2	ug/L	101	3		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.0	ug/L	95	3		70 (80)	130 (108)	20 (20)
	Benzene	20	19.3	ug/L	97	7		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	21.9	ug/L	110	10		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.1	ug/L	91	1		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	20.5	ug/L	103	15		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	20.8	ug/L	104	7		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	110	ug/L	110	14		40 (74)	160 (118)	20 (25)
	Toluene	20	19.3	ug/L	97	4		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	20.5	ug/L	103	5		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.9	ug/L	100	7		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	20.6	ug/L	103	6		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	91.6	ug/L	92	8		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	20.4	ug/L	102	1		70 (82)	130 (110)	20 (20)
	Tetrachloroethene	20	17.0	ug/L	85	0		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.9	ug/L	95	2		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	18.3	ug/L	92	1		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	36.4	ug/L	91	1		70 (82)	130 (110)	20 (15)
	o-Xylene	20	18.2	ug/L	91	1		70 (83)	130 (109)	20 (20)
	Styrene	20	18.5	ug/L	93	2		70 (80)	130 (111)	20 (17)
	Bromoform	20	21.0	ug/L	105	6		70 (79)	130 (109)	20 (20)
	1,1,2,2-Tetrachloroethane	20	19.9	ug/L	100	6		70 (76)	130 (118)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0624WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2402 SAS No.: Q2402 SDG NO.: Q2402

Lab File ID: VN087150.D Lab Sample ID: VN0624WBL01

Date Analyzed: 06/24/2025 Time Analyzed: 12:44

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
VN0624WBS01	VN0624WBS01	VN087152.D	06/24/2025
VN0624WBSD01	VN0624WBSD01	VN087153.D	06/24/2025
OBSI	Q2402-01	VN087159.D	06/24/2025

COMMENTS:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2402 SAS No.: Q2402 SDG NO.: Q2402

Lab File ID: VN086861.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 07:59

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086862.D	06/06/2025	12:44
VSTDICC005	VSTDICC005	VN086863.D	06/06/2025	13:17
VSTDICC020	VSTDICC020	VN086864.D	06/06/2025	13:40
VSTDICCC050	VSTDICCC050	VN086865.D	06/06/2025	14:03
VSTDICC100	VSTDICC100	VN086866.D	06/06/2025	14:26
VSTDICC150	VSTDICC150	VN086867.D	06/06/2025	14:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2402 SAS No.: Q2402 SDG NO.: Q2402

Lab File ID: VN087148.D BFB Injection Date: 06/24/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:41

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	18
75	30.0 - 60.0% of mass 95	47.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	70.6
175	5.0 - 9.0% of mass 174	5.1 (7.2) 1
176	95.0 - 101.0% of mass 174	67.9 (96.2) 1
177	5.0 - 9.0% of mass 176	4.4 (6.5) 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	VN087149.D	06/24/2025	11:14
VN0624WBL01	VN0624WBL01	VN087150.D	06/24/2025	12:44
VN0624WBS01	VN0624WBS01	VN087152.D	06/24/2025	13:28
VN0624WBSD01	VN0624WBSD01	VN087153.D	06/24/2025	14:01
OBSI	Q2402-01	VN087159.D	06/24/2025	16:11

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2402 SAS No.: Q2402 SDG NO.: Q2402

Lab File ID: VN087149.D Date Analyzed: 06/24/2025

Instrument ID: MSVOA_N Time Analyzed: 11:14

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	137487	8.23	272967	9.11	232699	11.87
UPPER LIMIT	274974	8.73	545934	9.606	465398	12.365
LOWER LIMIT	68743.5	7.73	136484	8.606	116350	11.365
EPA SAMPLE NO.						
OBSI	181938	8.23	387109	9.11	336293	11.87
VN0624WBL01	149121	8.23	287883	9.11	275522	11.87
VN0624WBS01	160941	8.23	295023	9.11	279201	11.87
VN0624WBSD01	148340	8.23	264363	9.11	239185	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.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2402 SAS No.: Q2402 SDG NO.: Q2402

Lab File ID: VN087149.D Date Analyzed: 06/24/2025

Instrument ID: MSVOA_N Time Analyzed: 11:14

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

	IS4 AREA #	RT #				
12 HOUR STD	123154	13.788				
UPPER LIMIT	246308	14.288				
LOWER LIMIT	61577	13.288				
EPA SAMPLE NO.						
OBSI	160118	13.79				
VN0624WBL01	132163	13.79				
VN0624WBS01	141896	13.79				
VN0624WBSD01	121327	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

Raw Data: **VN087150.D**

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Pit		Date Received:		
Client Sample ID:	VN0624WBL01		SDG No.:	Q2402	
Lab Sample ID:	VN0624WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087150.D	1		06/24/25 12:44	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L

Raw Data: **VN087150.D**

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Pit		Date Received:		
Client Sample ID:	VN0624WBL01		SDG No.:	Q2402	
Lab Sample ID:	VN0624WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087150.D	1		06/24/25 12:44	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	53.0		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	149000	8.23			
540-36-3	1,4-Difluorobenzene	288000	9.106			
3114-55-4	Chlorobenzene-d5	276000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	132000	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

Raw Data: **VN087152.D**

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Pit		Date Received:		
Client Sample ID:	VN0624WBS01		SDG No.:	Q2402	
Lab Sample ID:	VN0624WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087152.D	1		06/24/25 13:28	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	17.6		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.26	1.00	ug/L
74-83-9	Bromomethane	16.8		1.40	5.00	ug/L
75-00-3	Chloroethane	15.2		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	94.0		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.3		0.23	1.00	ug/L
67-64-1	Acetone	98.7		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
75-09-2	Methylene Chloride	19.2		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.0		0.23	1.00	ug/L
78-93-3	2-Butanone	98.8		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.5		0.19	1.00	ug/L
67-66-3	Chloroform	19.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	1.00	ug/L
71-43-2	Benzene	18.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.0		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.7		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.4		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.6		0.68	5.00	ug/L
108-88-3	Toluene	18.5		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.5		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	85.0		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.2		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	1.00	ug/L

Raw Data: **VN087152.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit	Date Received:	
Client Sample ID:	VN0624WBS01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087152.D	1		06/24/25 13:28	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	18.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.2		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	35.8		0.24	2.00	ug/L
95-47-6	o-Xylene	18.3		0.12	1.00	ug/L
100-42-5	Styrene	18.2		0.15	1.00	ug/L
75-25-2	Bromoform	19.8		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	47.1		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	8.23			
540-36-3	1,4-Difluorobenzene	295000	9.106			
3114-55-4	Chlorobenzene-d5	279000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	142000	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

Raw Data: **VN087153.D**

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

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Pit		Date Received:		
Client Sample ID:	VN0624WBSD01		SDG No.:	Q2402	
Lab Sample ID:	VN0624WBSD01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087153.D	1		06/24/25 14:01	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	17.0		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.8		0.26	1.00	ug/L
74-83-9	Bromomethane	15.9		1.40	5.00	ug/L
75-00-3	Chloroethane	14.8		0.47	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.8		0.16	1.00	ug/L
75-09-2	Methylene Chloride	20.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.3		0.23	1.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	1.00	ug/L
71-43-2	Benzene	19.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.1		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.3		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.9		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.6		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	1.00	ug/L
127-18-4	Tetrachloroethene	17.0		0.23	1.00	ug/L

Raw Data: **VN087153.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Pit	Date Received:	
Client Sample ID:	VN0624WBSD01	SDG No.:	Q2402
Lab Sample ID:	VN0624WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN087153.D	1		06/24/25 14:01	VN062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-90-7	Chlorobenzene	18.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	36.4		0.24	2.00	ug/L
95-47-6	o-Xylene	18.2		0.12	1.00	ug/L
100-42-5	Styrene	18.5		0.15	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.9		0.26	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.1		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		70 (75) - 130 (124)	109%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	148000	8.23			
540-36-3	1,4-Difluorobenzene	264000	9.106			
3114-55-4	Chlorobenzene-d5	239000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2402 SAS No.: Q2402 SDG No.: Q2402

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

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

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Tert butyl alcohol		0.192	0.194	0.176	0.180	0.166	0.182	6.4
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5

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

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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2402 SAS No.: Q2402 SDG No.: Q2402

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

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

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2402 SAS No.: Q2402 SDG No.: Q2402

Instrument ID: MSVOA_N Calibration Date/Time: 06/24/2025 11:14

Lab File ID: VN087149.D Init. Calib. Date(s): 06/06/2025 06/06/2025

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

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chloromethane	0.644	0.637	0.1	-1.09	20
Vinyl Chloride	0.664	0.712		7.23	20
Bromomethane	0.372	0.444		19.35	20
Chloroethane	0.429	0.580		35.2	20
Tert butyl alcohol	0.182	0.179		-1.65	20
1,1-Dichloroethene	0.557	0.567		1.79	20
Acetone	0.355	0.328		-7.61	20
Carbon Disulfide	1.539	1.598		3.83	20
Methyl tert-butyl Ether	2.015	2.175		7.94	20
Methylene Chloride	0.665	0.684		2.86	20
trans-1,2-Dichloroethene	0.619	0.652		5.33	20
1,1-Dichloroethane	1.120	1.271	0.1	13.48	20
2-Butanone	0.577	0.667		15.6	20
Carbon Tetrachloride	0.433	0.477		10.16	20
cis-1,2-Dichloroethene	0.740	0.868		17.3	20
Chloroform	1.118	1.324		18.43	20
1,1,1-Trichloroethane	0.951	1.128		18.61	20
Benzene	1.444	1.662		15.1	20
1,2-Dichloroethane	0.438	0.505		15.3	20
Trichloroethene	0.342	0.393		14.91	20
1,2-Dichloropropane	0.351	0.444		26.5	20
Bromodichloromethane	0.480	0.595		23.96	20
4-Methyl-2-Pentanone	0.543	0.695		27.99	20
Toluene	0.882	1.106		25.4	20
t-1,3-Dichloropropene	0.537	0.685		27.56	20
cis-1,3-Dichloropropene	0.574	0.733		27.7	20
1,1,2-Trichloroethane	0.340	0.417		22.65	20
2-Hexanone	0.350	0.451		28.86	20
Dibromochloromethane	0.354	0.442		24.86	20
Tetrachloroethene	0.316	0.372		17.72	20
Chlorobenzene	1.103	1.296	0.3	17.5	20
Ethyl Benzene	1.900	2.402		26.42	20
m/p-Xylenes	0.727	0.920		26.55	20
o-Xylene	0.696	0.881		26.58	20
Styrene	1.192	1.515		27.1	20
Bromoform	0.263	0.360	0.1	36.88	20
1,1,2,2-Tetrachloroethane	1.234	1.538	0.3	24.64	20
1,2-Dichloroethane-d4	0.669	0.710		6.13	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2402 SAS No.: Q2402 SDG No.: Q2402

Instrument ID: MSVOA_N Calibration Date/Time: 06/24/2025 11:14

Lab File ID: VN087149.D Init. Calib. Date(s): 06/06/2025 06/06/2025

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

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dibromofluoromethane	0.296	0.291		-1.69	20
Toluene-d8	1.173	1.205		2.73	20
4-Bromofluorobenzene	0.436	0.477		9.4	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\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Quant Time: Jun 25 04:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

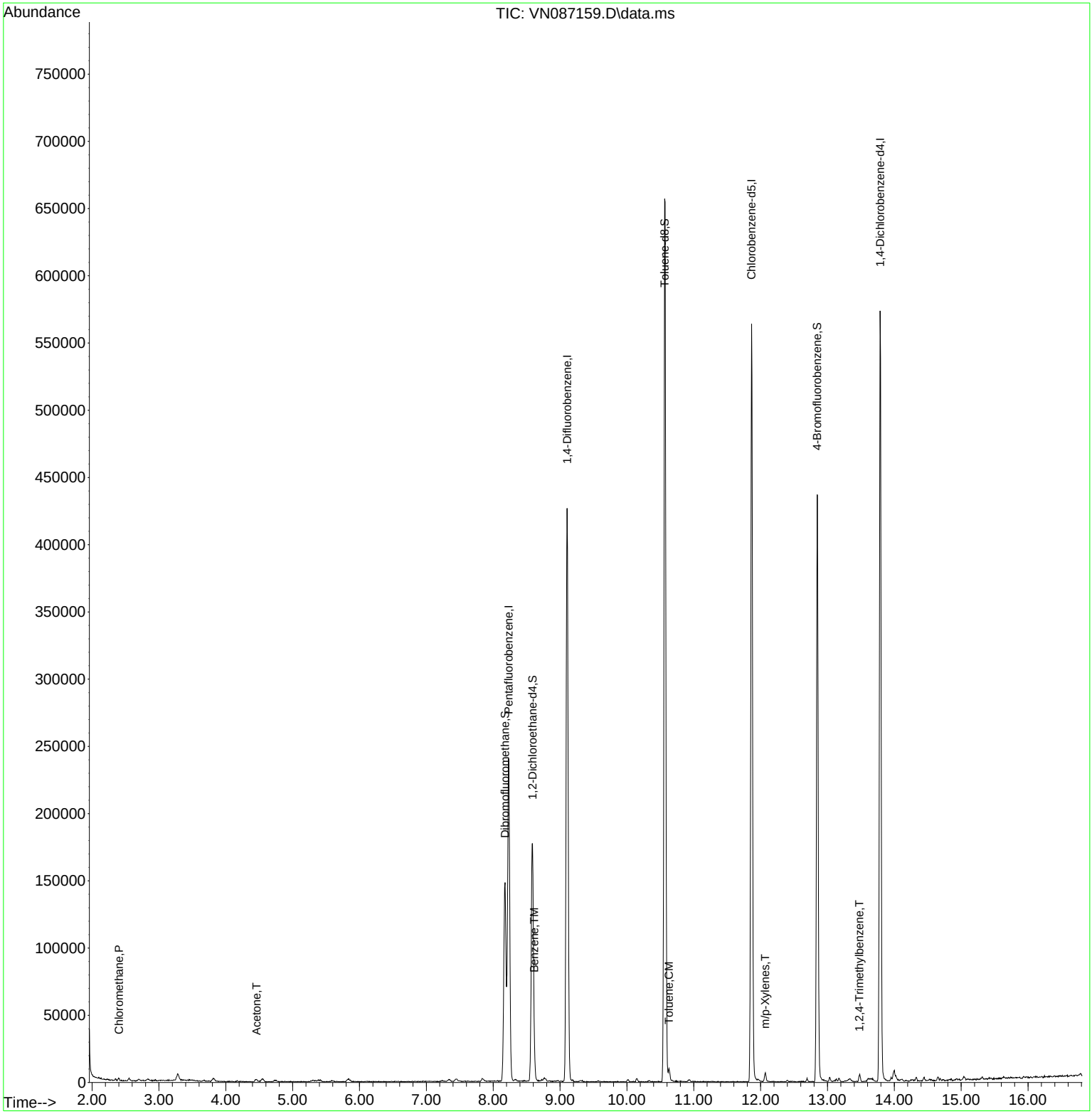
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	181938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	387109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	336293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	148885	61.120	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 122.240%			
35) Dibromofluoromethane	8.177	113	115149	50.194	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	10.565	98	479901	52.842	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.680%			
62) 4-Bromofluorobenzene	12.847	95	166768	49.425	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.860%			
Target Compounds						Qvalue
3) Chloromethane	2.401	50	1849	0.789	ug/l	99
16) Acetone	4.459	43	3501	2.710	ug/l	98
40) Benzene	8.612	78	9158	0.819	ug/l	93
52) Toluene	10.629	92	3923	0.574	ug/l	96
68) m/p-Xylenes	12.070	106	2339	0.478	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	3960	0.410	ug/l	99

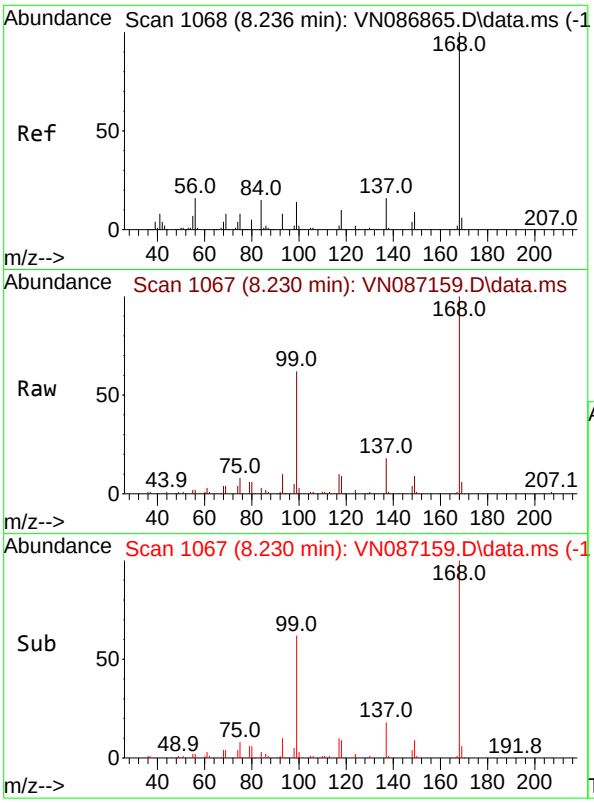
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Quant Time: Jun 25 04:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



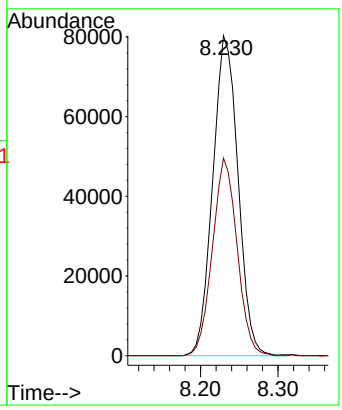


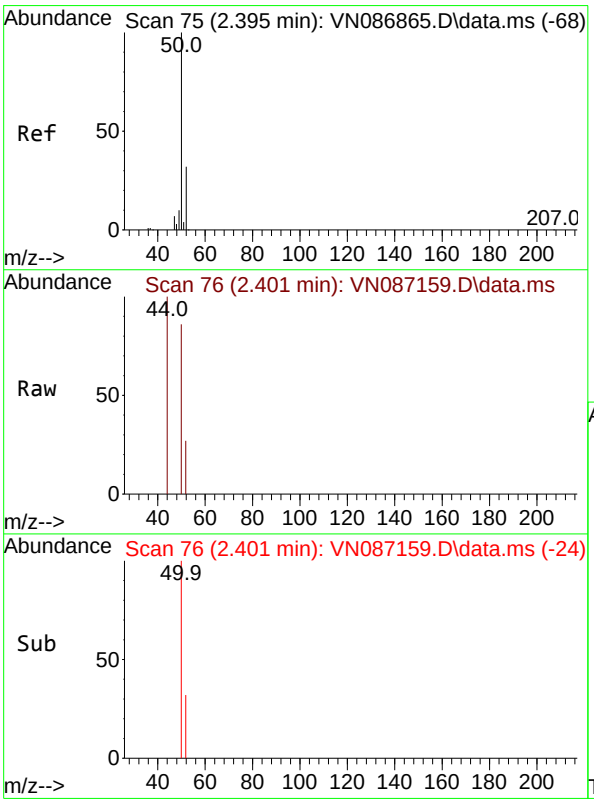
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Tgt Ion:168 Resp: 181938

Ion	Ratio	Lower	Upper
168	100		
99	61.7	49.1	73.7

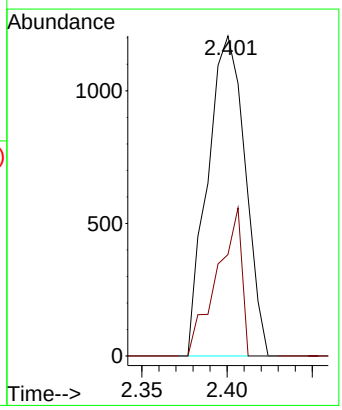


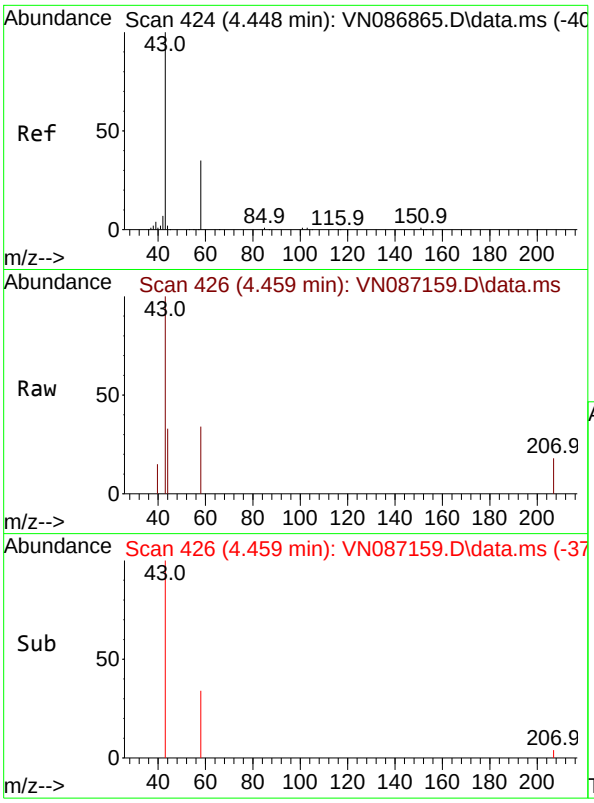


#3
Chloromethane
Concen: 0.789 ug/l
RT: 2.401 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 50 Resp: 1849

Ion	Ratio	Lower	Upper
50	100		
52	31.7	25.7	38.5



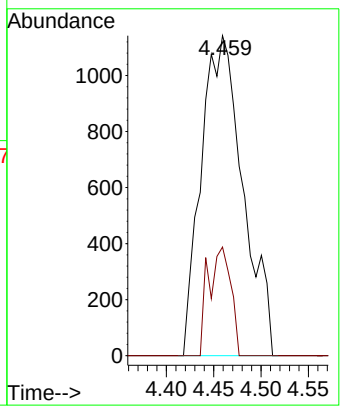


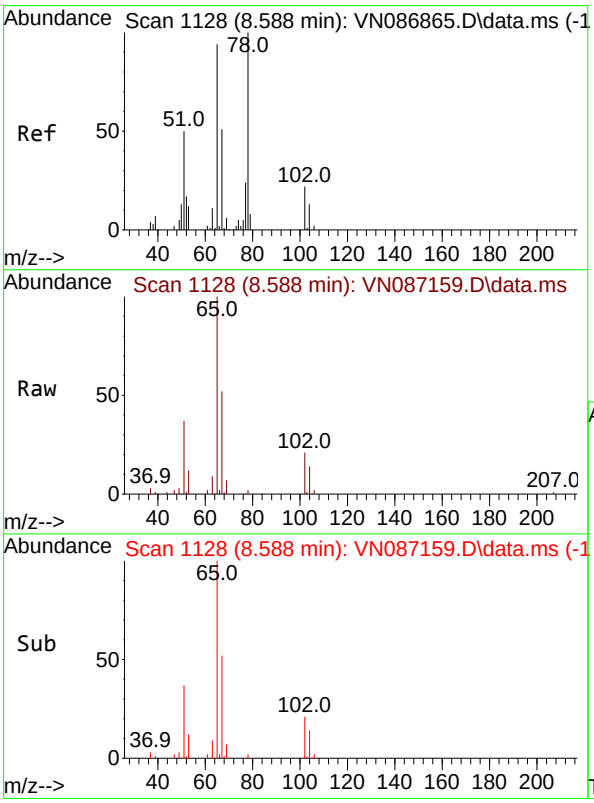
#16
Acetone
Concen: 2.710 ug/l
RT: 4.459 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Tgt Ion: 43 Resp: 3501

Ion	Ratio	Lower	Upper
43	100		
58	34.0	28.0	42.0

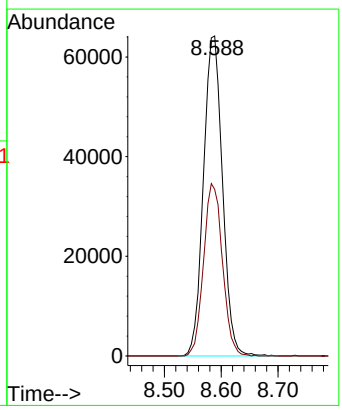


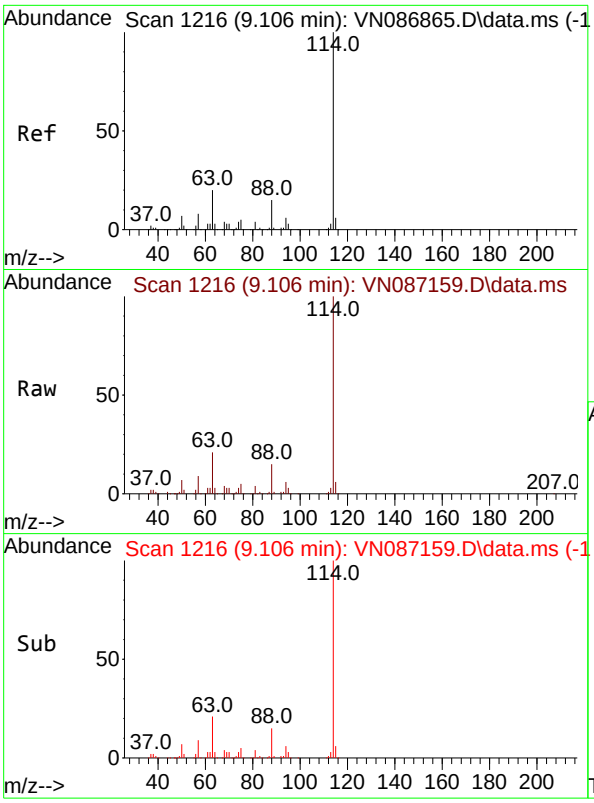


#33
1,2-Dichloroethane-d4
Concen: 61.120 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 65 Resp: 148885

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.6



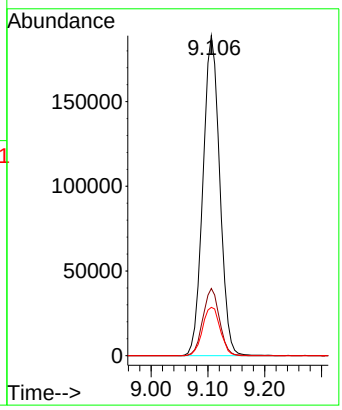


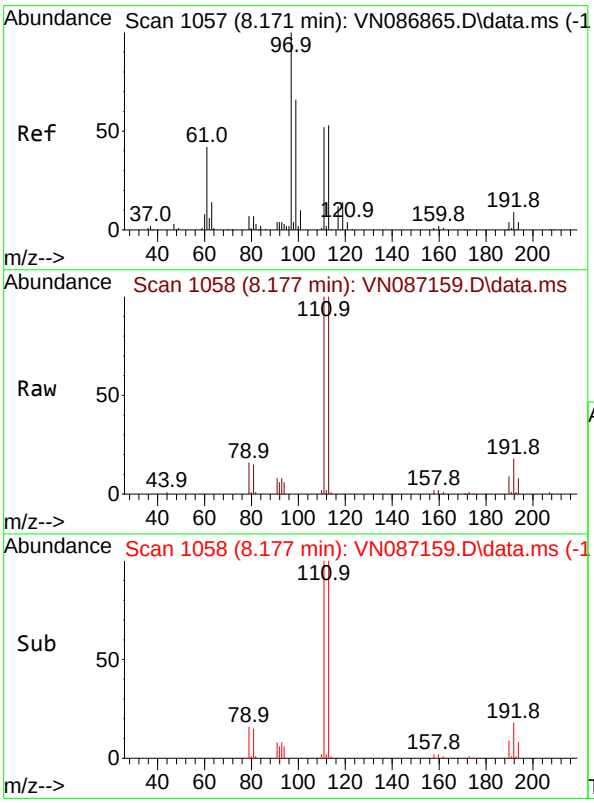
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Tgt Ion:114 Resp: 387109

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.6
88	15.1	0.0	30.2

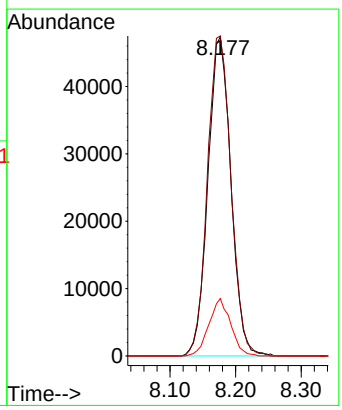


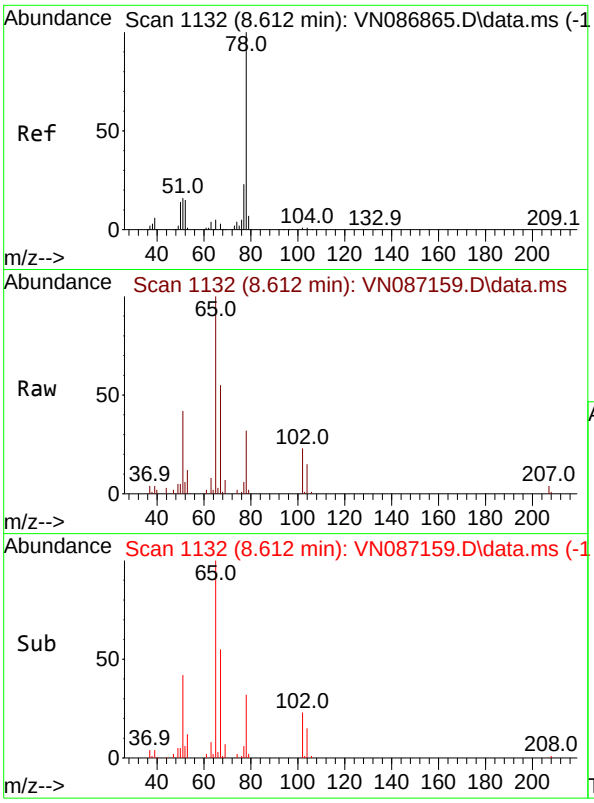


#35
Dibromofluoromethane
Concen: 50.194 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion:113 Resp: 115149

Ion	Ratio	Lower	Upper
113	100		
111	102.8	84.2	126.2
192	17.1	14.2	21.4



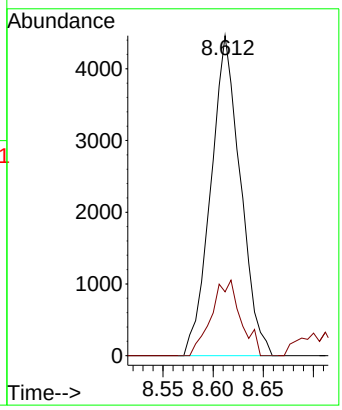


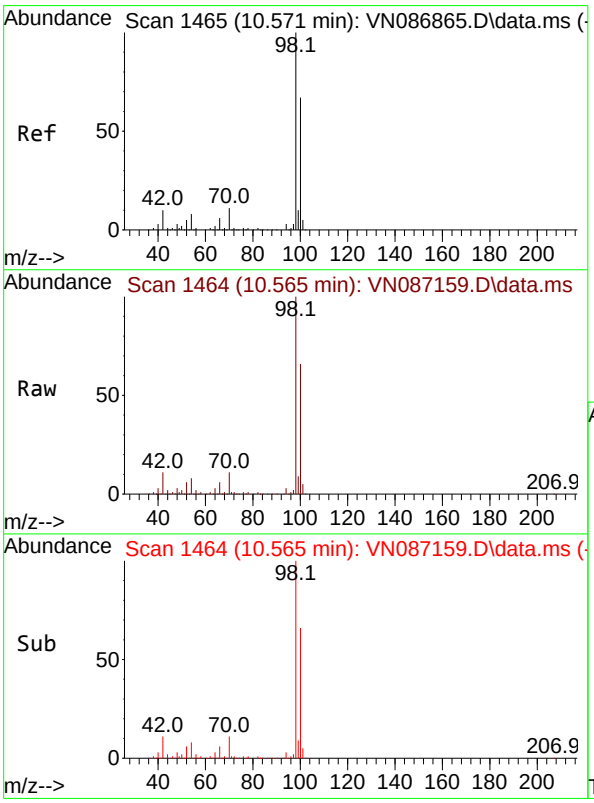
#40
Benzene
Concen: 0.819 ug/l
RT: 8.612 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Tgt Ion: 78 Resp: 9158

Ion	Ratio	Lower	Upper
78	100		
77	20.0	18.7	28.1

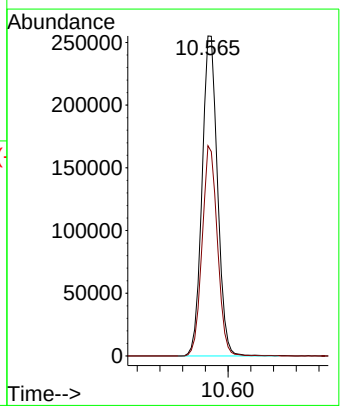


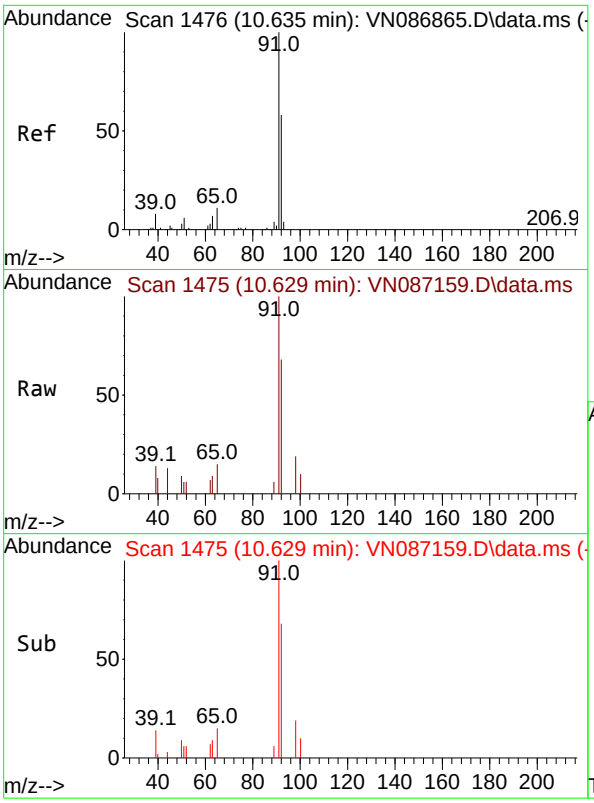


#50
Toluene-d8
Concen: 52.842 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 98 Resp: 479901

Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.4	80.0



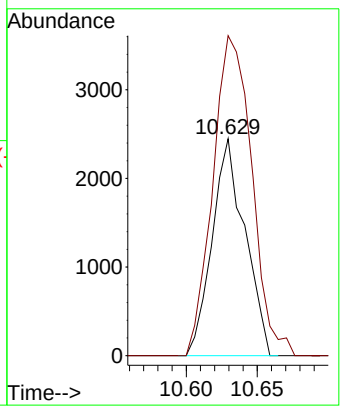


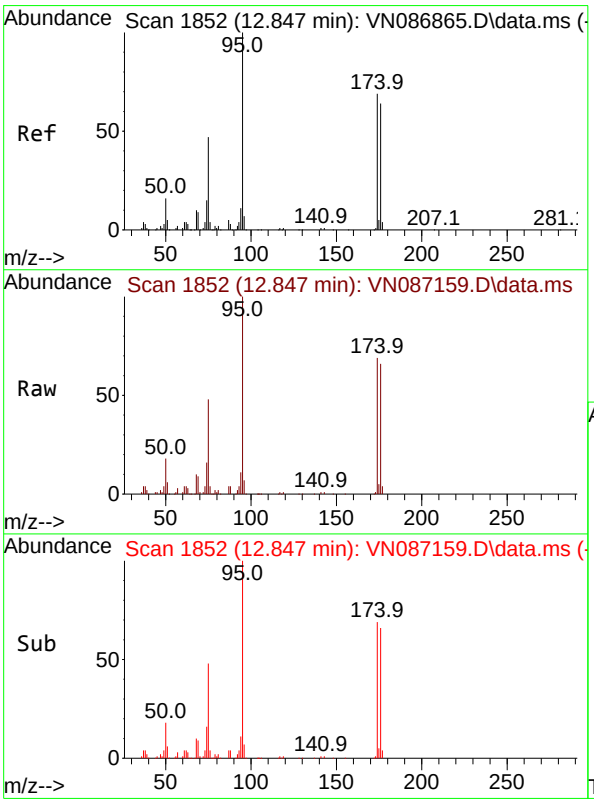
#52
Toluene
Concen: 0.574 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Tgt Ion: 92 Resp: 3923

Ion	Ratio	Lower	Upper
92	100		
91	175.9	136.5	204.7

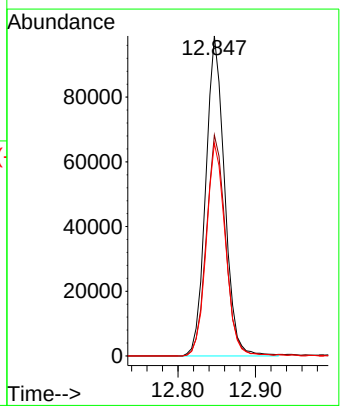


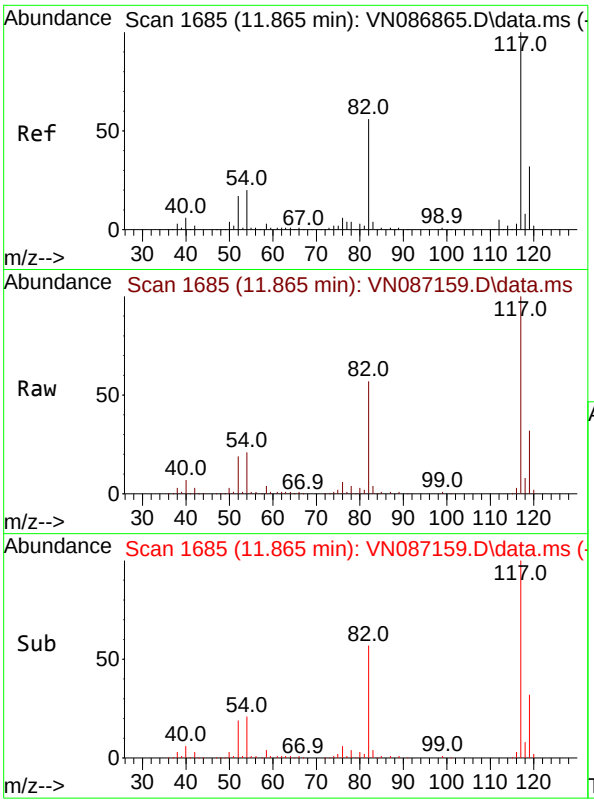


#62
4-Bromofluorobenzene
Concen: 49.425 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion: 95 Resp: 166768

Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	141.8
176	67.5	0.0	132.6



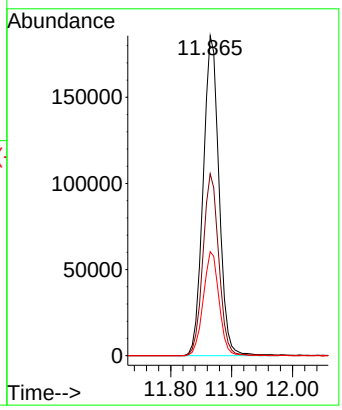


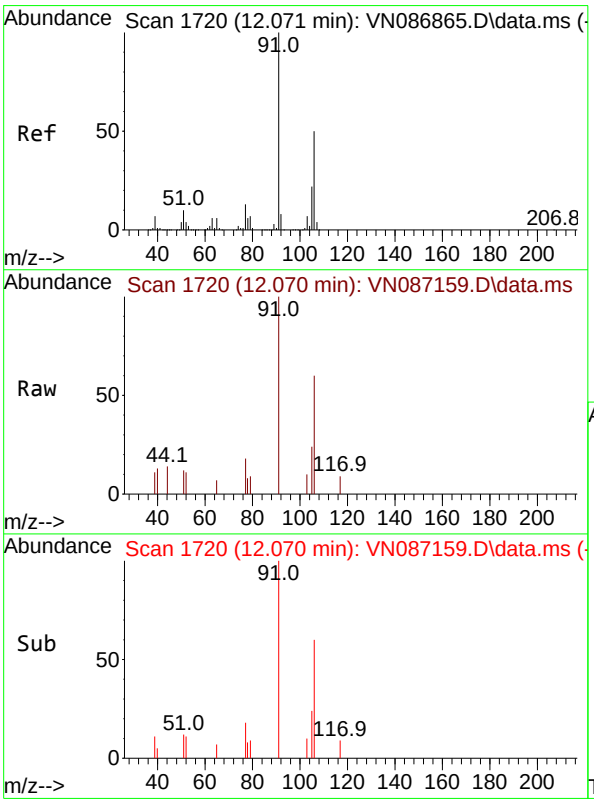
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Tgt Ion:117 Resp: 336293

Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.6	67.0
119	32.5	25.5	38.3

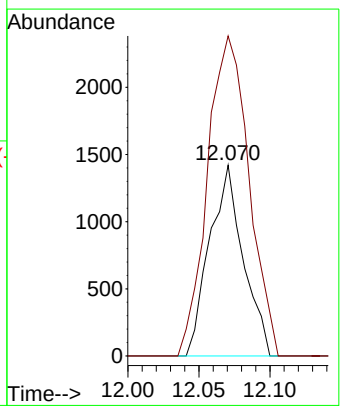


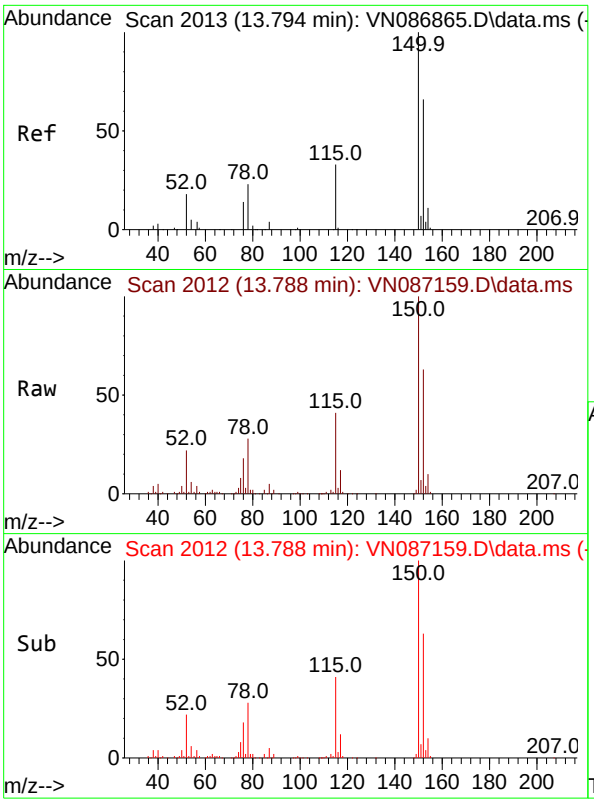


#68
m/p-Xylenes
Concen: 0.478 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion:106 Resp: 2339

Ion	Ratio	Lower	Upper
106	100		
91	206.9	159.4	239.0



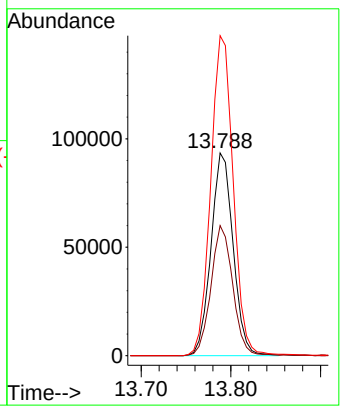


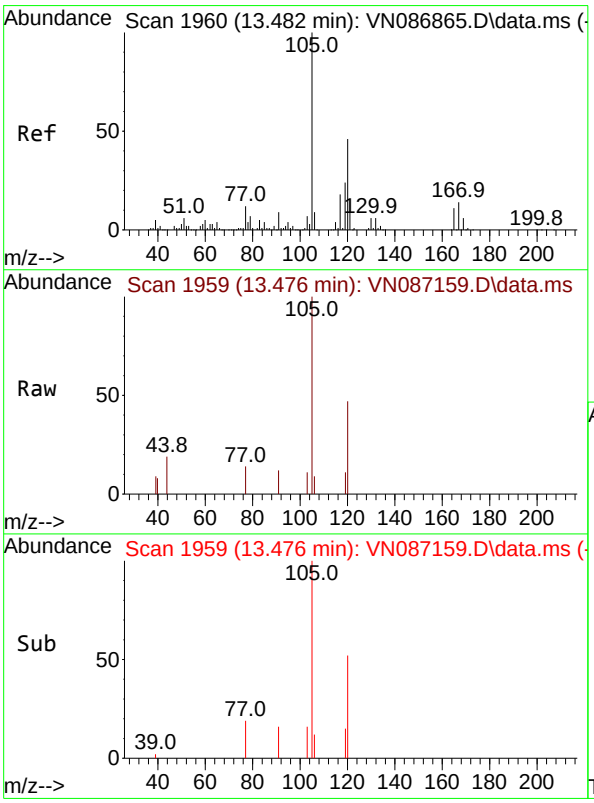
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Tgt Ion:152 Resp: 160118

Ion	Ratio	Lower	Upper
152	100		
115	63.4	30.1	90.5
150	160.5	0.0	345.0

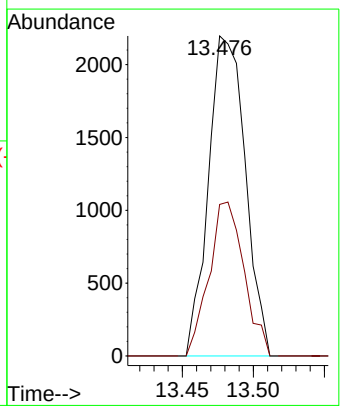




#84
1,2,4-Trimethylbenzene
Concen: 0.410 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN087159.D
Acq: 24 Jun 2025 16:11

Tgt Ion:105 Resp: 3960

Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.2	69.6



Sample Results: **VN087159.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN087159.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.277	219	225	234	rVB3	5106	12973	1.05%	0.208%
2	8.177	1048	1058	1062	rBV	147751	355107	28.70%	5.691%
3	8.230	1062	1067	1079	rVB	239873	542865	43.88%	8.701%
4	8.588	1118	1128	1142	rVB	176665	425109	34.36%	6.813%
5	9.106	1205	1216	1227	rBV	426476	886396	71.65%	14.206%
6	10.565	1456	1464	1473	rBV	656642	1237191	100.00%	19.828%
7	10.629	1473	1475	1481	rVB	9019	12778	1.03%	0.205%
8	11.865	1677	1685	1699	rBV	563532	1014777	82.02%	16.264%
9	12.847	1844	1852	1865	rBV	436746	749618	60.59%	12.014%
10	13.788	2004	2012	2023	rBV	573081	984913	79.61%	15.785%
11	14.000	2042	2048	2057	rVB5	7336	17739	1.43%	0.284%

Sum of corrected areas: 6239466

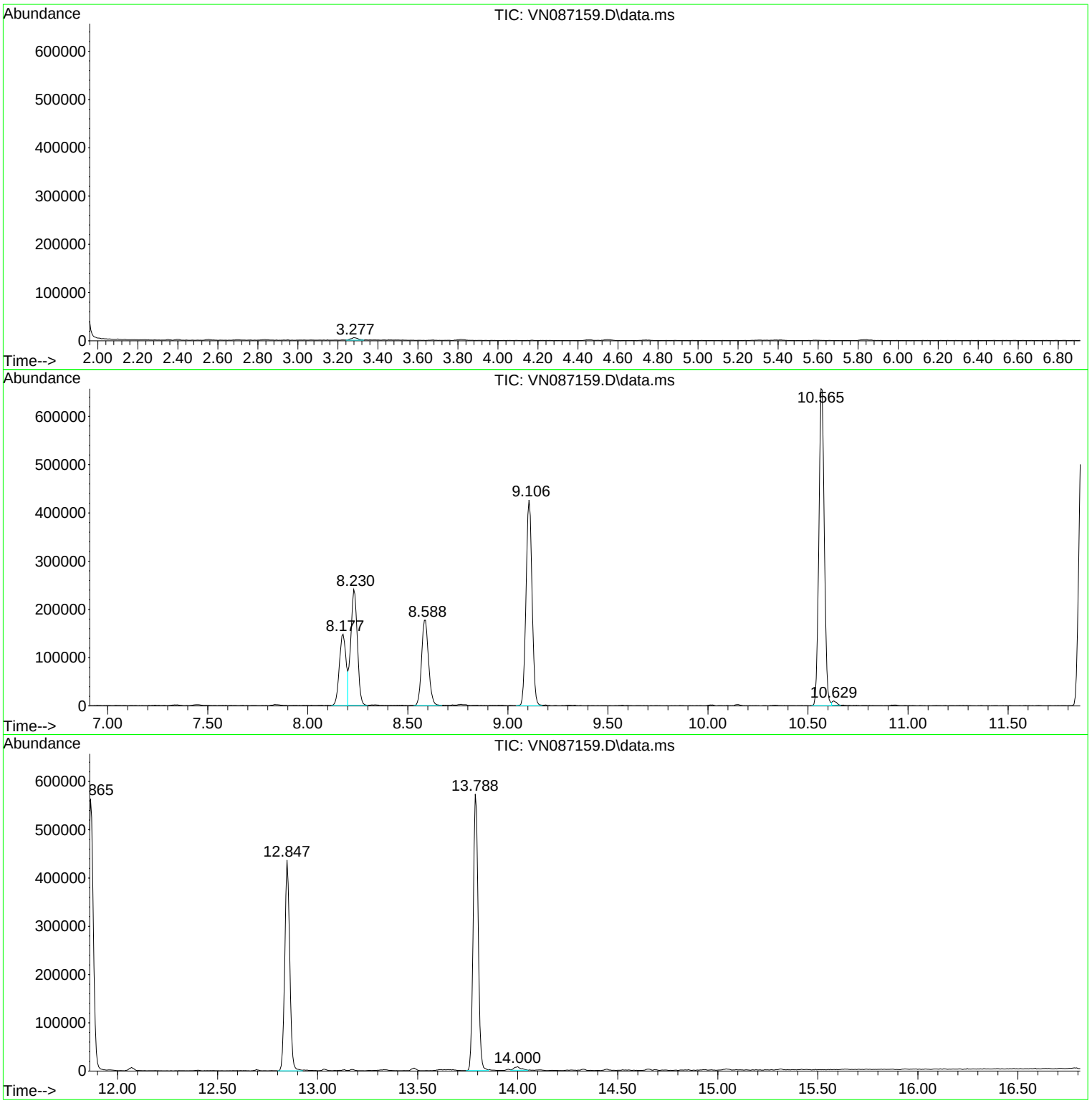
Sample Results: **VN087159.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087159.D
Acq On : 24 Jun 2025 16:11
Operator : JC\MD
Sample : Q2402-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
OBSI

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Quant Time: Jun 25 04:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

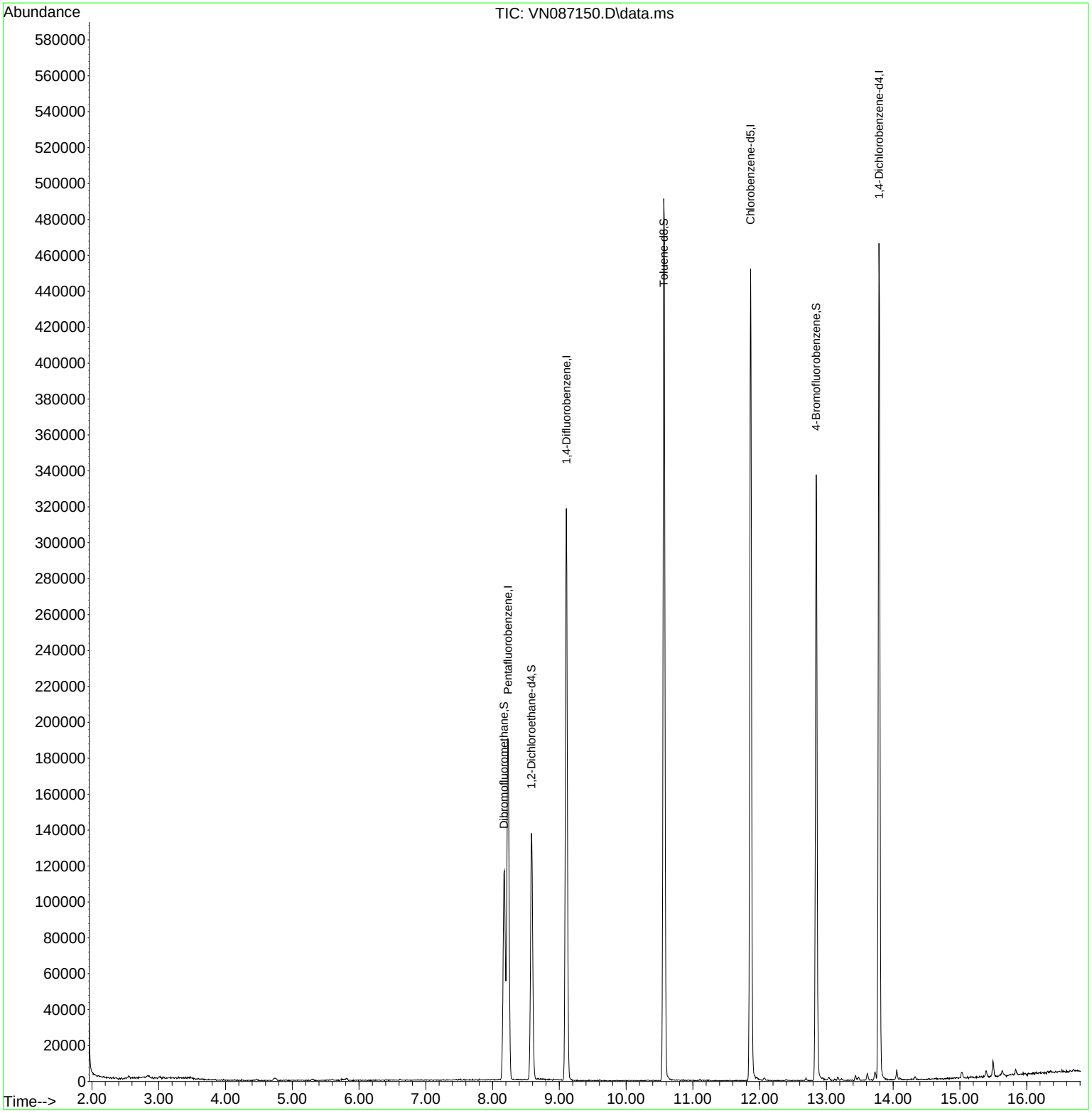
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	149121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	287883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	112496	56.345	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.680%			
35) Dibromofluoromethane	8.171	113	90627	53.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.240%			
50) Toluene-d8	10.565	98	357644	52.954	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.900%			
62) 4-Bromofluorobenzene	12.847	95	131459	52.390	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.780%			
Target Compounds						Qvalue

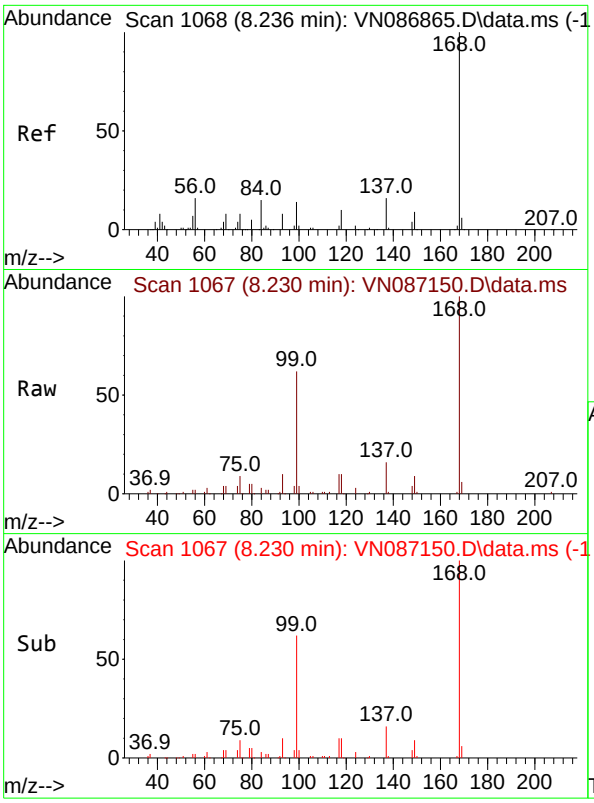
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Quant Time: Jun 25 04:14:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



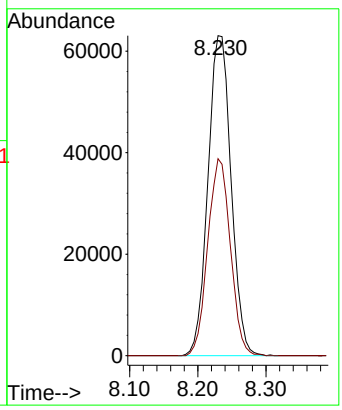


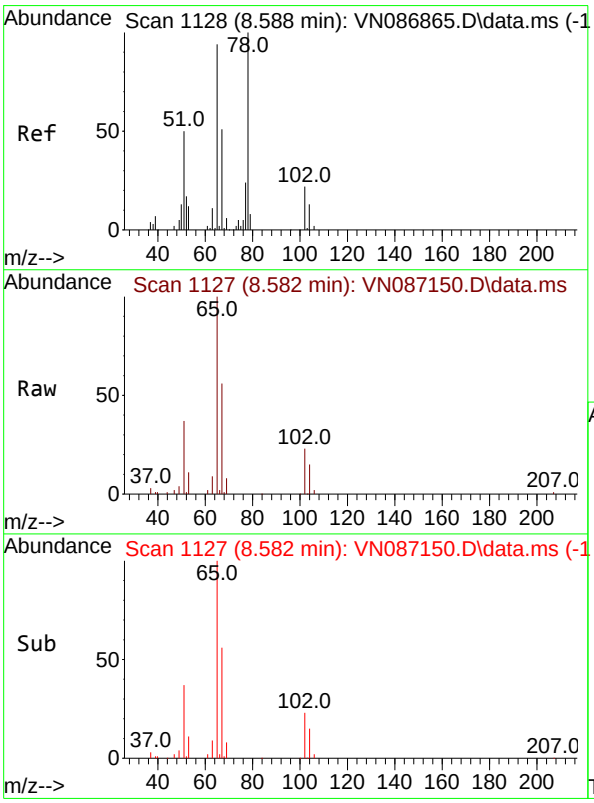
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Tgt Ion:168 Resp: 149121

Ion	Ratio	Lower	Upper
168	100		
99	61.6	49.1	73.7

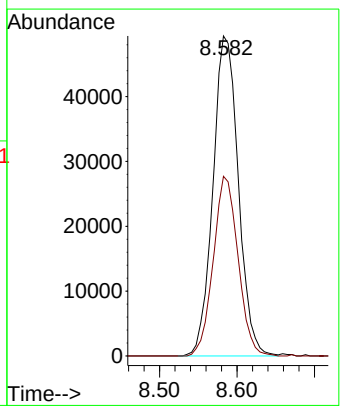


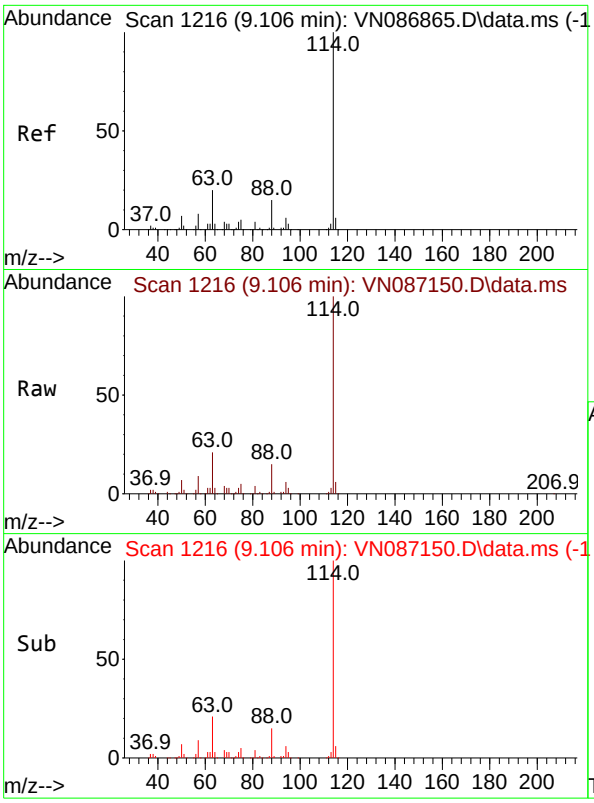


#33
1,2-Dichloroethane-d4
Concen: 56.345 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Tgt Ion: 65 Resp: 112496

Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	105.6



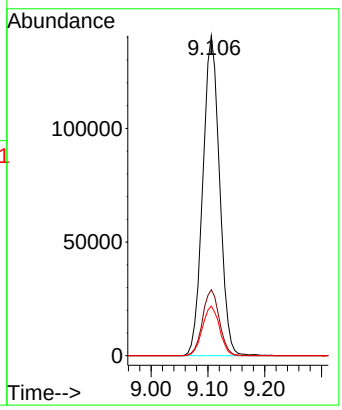


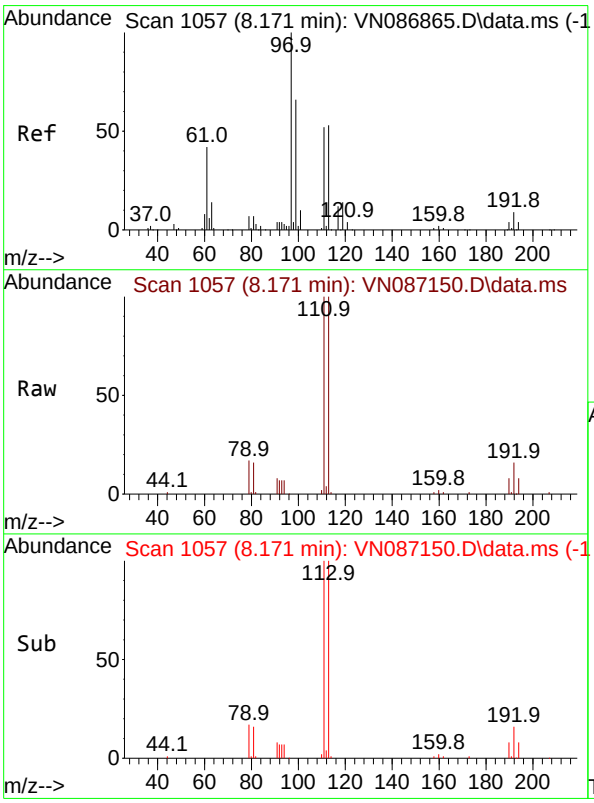
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Tgt Ion:114 Resp: 287883

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.6
88	15.5	0.0	30.2

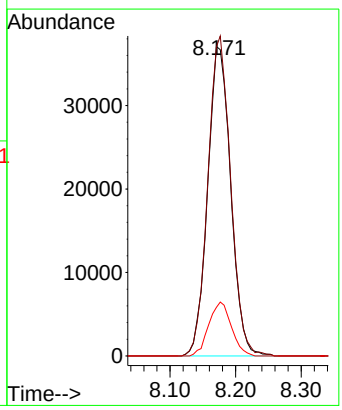


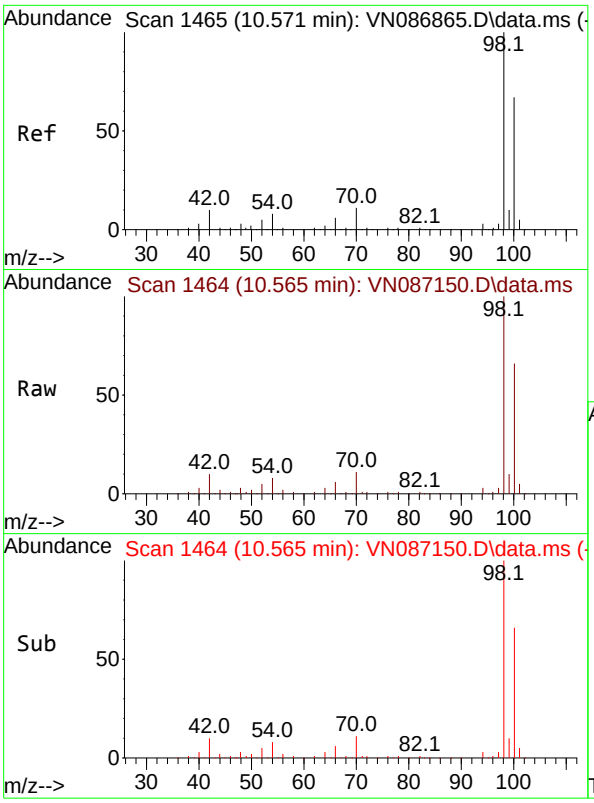


#35
Dibromofluoromethane
Concen: 53.121 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Tgt Ion:113 Resp: 90627

Ion	Ratio	Lower	Upper
113	100		
111	102.2	84.2	126.2
192	17.1	14.2	21.4



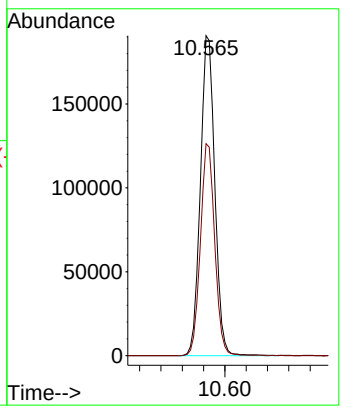


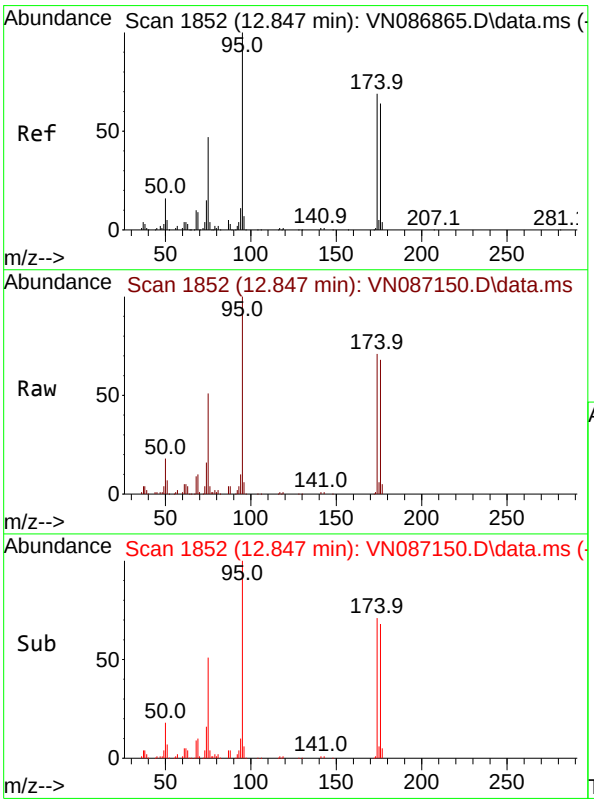
#50
Toluene-d8
Concen: 52.954 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Tgt Ion: 98 Resp: 357644

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.4	80.0

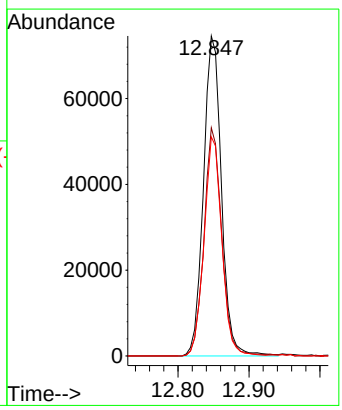


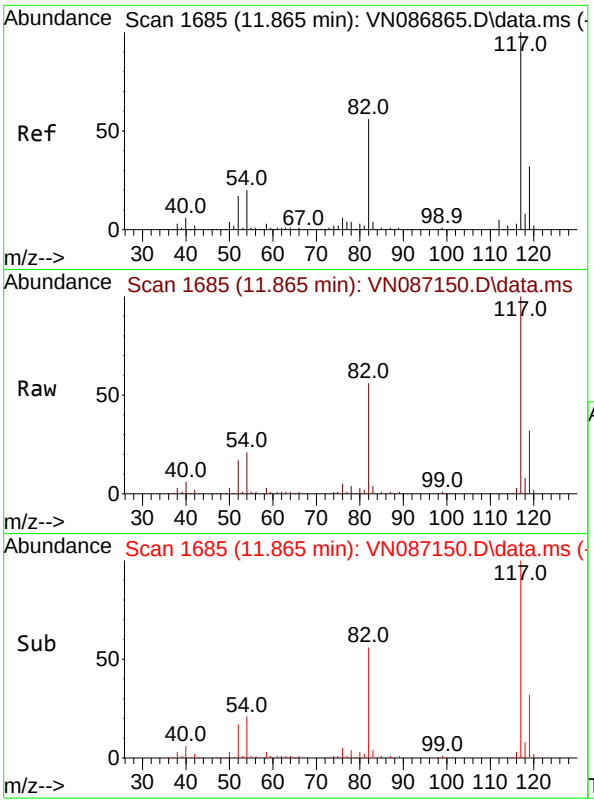


#62
4-Bromofluorobenzene
Concen: 52.390 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Tgt Ion: 95 Resp: 131459

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	141.8
176	67.7	0.0	132.6



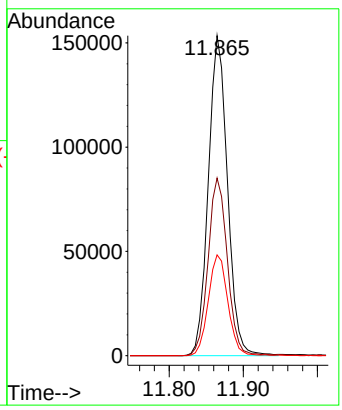


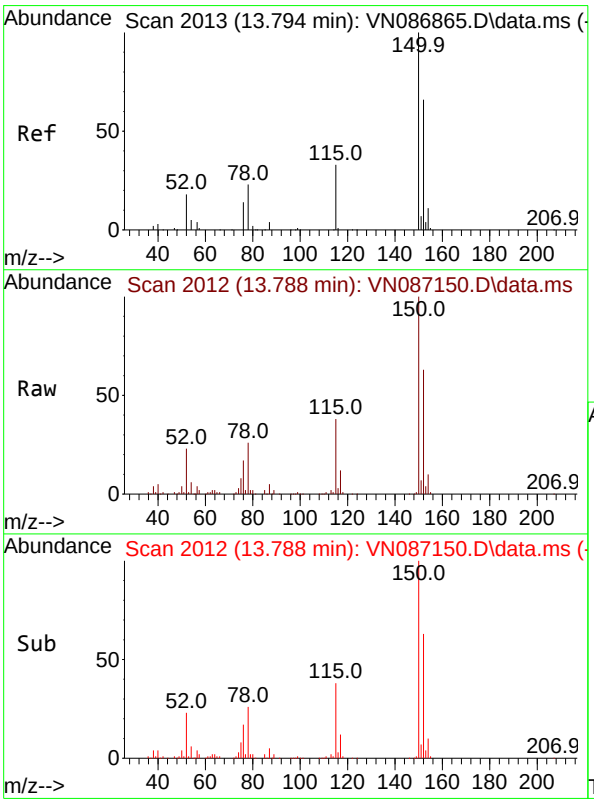
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Tgt Ion:117 Resp: 275522

Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.6	67.0
119	31.5	25.5	38.3

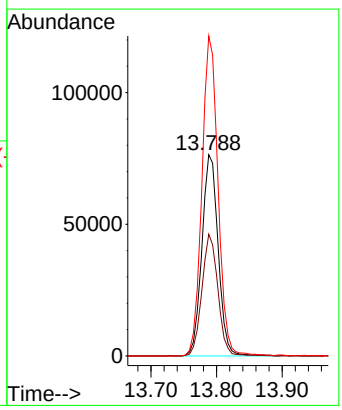




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087150.D
Acq: 24 Jun 2025 12:44

Tgt Ion:152 Resp: 132163

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.1	90.5
150	157.5	0.0	345.0



Sample Results: **VN087150.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260

Signal : TIC: VN087150.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.177	1048	1058	1062	rBV2	116437	279335	30.39%	5.810%
2	8.230	1062	1067	1080	rVB	189983	442495	48.14%	9.204%
3	8.582	1117	1127	1139	rBV	137269	310878	33.82%	6.466%
4	9.106	1205	1216	1231	rVB	318570	651800	70.90%	13.557%
5	10.565	1456	1464	1479	rBV	491315	919260	100.00%	19.120%
6	11.865	1677	1685	1698	rBV	451989	817506	88.93%	17.004%
7	12.847	1843	1852	1866	rBV	337517	585477	63.69%	12.178%
8	13.788	2005	2012	2025	rVV	465303	787212	85.64%	16.374%
9	15.494	2297	2302	2308	rBV5	9055	13780	1.50%	0.287%

Sum of corrected areas: 4807743

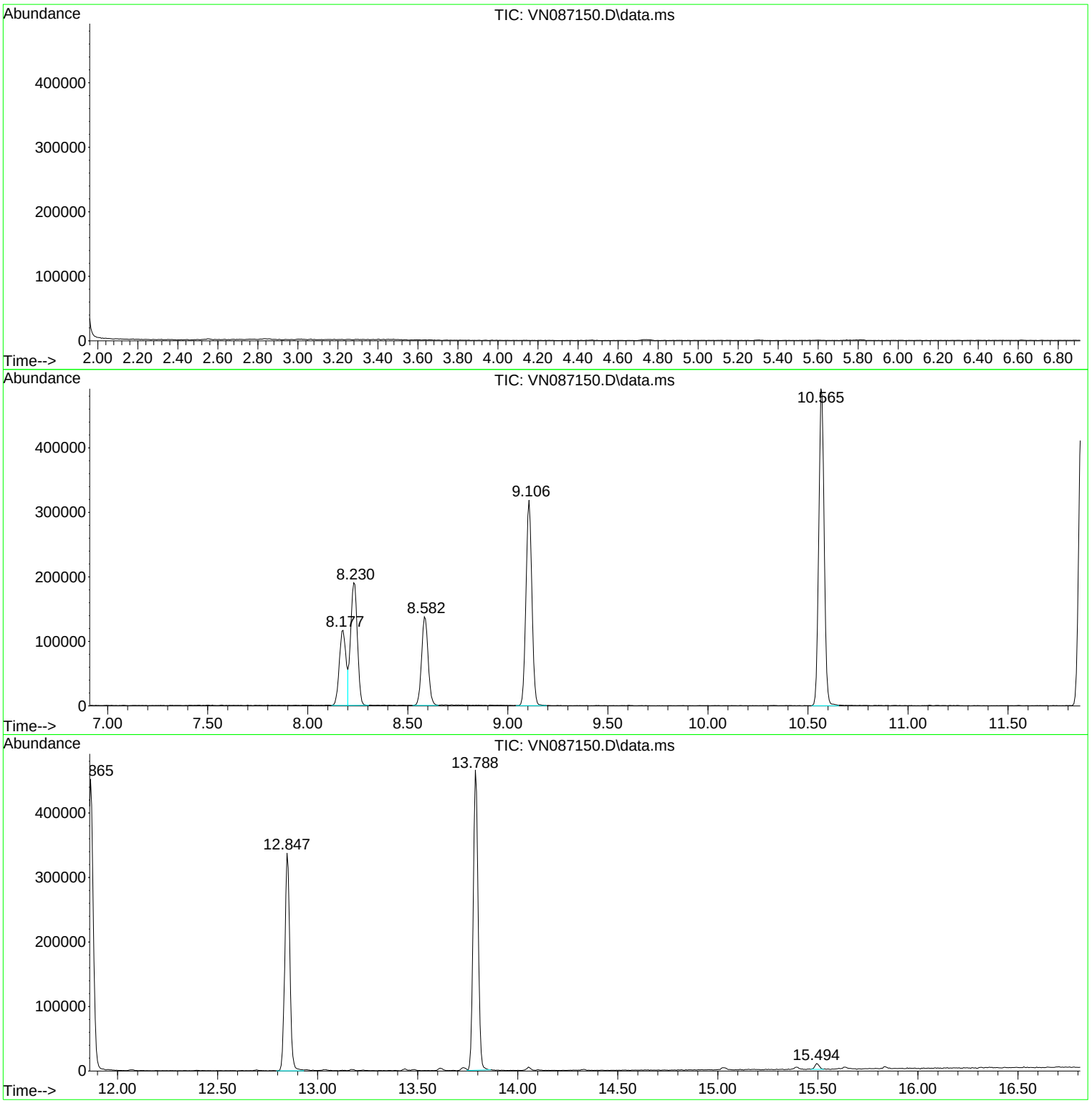
Sample Results: **VN087150.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VN087150.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087150.D
Acq On : 24 Jun 2025 12:44
Operator : JC\MD
Sample : VN0624WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087152.D
Acq On : 24 Jun 2025 13:28
Operator : JC\MD
Sample : VN0624WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 04:15:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	160941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	295023	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	113184	52.526	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.060%			
35) Dibromofluoromethane	8.171	113	90211	51.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.200%			
50) Toluene-d8	10.571	98	326329	47.148	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.300%			
62) 4-Bromofluorobenzene	12.847	95	135288	52.611	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	31661	19.730	ug/l	98
3) Chloromethane	2.401	50	36392	17.562	ug/l	97
4) Vinyl Chloride	2.554	62	41560	19.443	ug/l	99
5) Bromomethane	2.995	94	20133	16.831	ug/l	100
6) Chloroethane	3.159	64	21013	15.219	ug/l	100
7) Trichlorofluoromethane	3.524	101	46896	16.792	ug/l	100
8) Diethyl Ether	3.989	74	23519	19.328	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.400	101	36085	20.566	ug/l	99
10) Methyl Iodide	4.618	142	25405	11.169	ug/l	99
11) Tert butyl alcohol	5.542	59	54983	94.038	ug/l	99
12) 1,1-Dichloroethene	4.371	96	34607	19.319	ug/l	94
13) Acrolein	4.200	56	18468	99.787	ug/l	100
14) Allyl chloride	5.042	41	58416	19.663	ug/l	94
15) Acrylonitrile	5.736	53	133184	97.454	ug/l	99
16) Acetone	4.448	43	112754	98.672	ug/l	94
17) Carbon Disulfide	4.736	76	95894	19.353	ug/l	99
18) Methyl Acetate	5.053	43	63568	19.089	ug/l	97
19) Methyl tert-butyl Ether	5.818	73	128907	19.875	ug/l	96
20) Methylene Chloride	5.300	84	41146	19.233	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	39638	19.889	ug/l	95
22) Diisopropyl ether	6.689	45	130247	20.799	ug/l	97
23) Vinyl Acetate	6.618	43	564929	106.774	ug/l	99
24) 1,1-Dichloroethane	6.583	63	75573	20.971	ug/l	98
25) 2-Butanone	7.494	43	183518	98.801	ug/l	97
26) 2,2-Dichloropropane	7.500	77	63276	22.572	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	48958	20.540	ug/l	99
28) Bromochloromethane	7.824	49	37026	20.896	ug/l	93
29) Tetrahydrofuran	7.853	42	118013	97.531	ug/l	95
30) Chloroform	7.977	83	70126	19.485	ug/l	100
31) Cyclohexane	8.265	56	59419	17.002	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	59802	19.537	ug/l	97
36) 1,1-Dichloropropene	8.383	75	47297	18.154	ug/l	99
37) Ethyl Acetate	7.571	43	69677	21.009	ug/l	97
38) Carbon Tetrachloride	8.371	117	48206	18.847	ug/l	90
39) Methylcyclohexane	9.606	83	52734	14.774	ug/l	97
40) Benzene	8.612	78	153012	17.961	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087152.D
Acq On : 24 Jun 2025 13:28
Operator : JC\MD
Sample : VN0624WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 04:15:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	37255	20.002	ug/l		97
42) 1,2-Dichloroethane	8.677	62	51594	19.967	ug/l		96
43) Isopropyl Acetate	8.694	43	97712	18.357	ug/l		98
44) Trichloroethene	9.359	130	36977	18.305	ug/l		98
45) 1,2-Dichloropropane	9.624	63	36748	17.730	ug/l		96
46) Dibromomethane	9.712	93	26638	19.350	ug/l		99
47) Bromodichloromethane	9.894	83	55084	19.447	ug/l	#	98
48) Methyl methacrylate	9.682	41	43513	17.760	ug/l		93
49) 1,4-Dioxane	9.700	88	14048	315.185	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	306204	95.555	ug/l		95
52) Toluene	10.630	92	96477	18.531	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	62008	19.578	ug/l		95
54) cis-1,3-Dichloropropene	10.318	75	62613	18.476	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	38892	19.414	ug/l		99
56) Ethyl methacrylate	10.888	69	54557	17.098	ug/l		93
57) 1,3-Dichloropropane	11.165	76	65889	18.960	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	169369	88.994	ug/l		100
59) 2-Hexanone	11.212	43	175535	85.041	ug/l		97
60) Dibromochloromethane	11.359	129	42257	20.246	ug/l		99
61) 1,2-Dibromoethane	11.471	107	41336	20.131	ug/l		99
64) Tetrachloroethene	11.106	164	29940	16.944	ug/l		97
65) Chlorobenzene	11.888	112	113937	18.503	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	37466	18.928	ug/l		99
67) Ethyl Benzene	11.965	91	192552	18.154	ug/l		99
68) m/p-Xylenes	12.071	106	145367	35.802	ug/l		96
69) o-Xylene	12.394	106	71138	18.293	ug/l		99
70) Styrene	12.412	104	121013	18.186	ug/l		99
71) Bromoform	12.576	173	29095	19.838	ug/l	#	99
73) Isopropylbenzene	12.694	105	180172	17.429	ug/l		100
74) N-amyl acetate	12.535	43	60201m	16.666	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	65991	18.844	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	57711m	17.110	ug/l		
77) Bromobenzene	12.976	156	43267	18.251	ug/l		99
78) n-propylbenzene	13.035	91	221715	17.649	ug/l		99
79) 2-Chlorotoluene	13.123	91	134983	17.917	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	147236	17.252	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	25833	17.631	ug/l		92
82) 4-Chlorotoluene	13.218	91	138222	18.132	ug/l		98
83) tert-Butylbenzene	13.435	119	124731	15.966	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	148510	17.353	ug/l		99
85) sec-Butylbenzene	13.612	105	185938	16.389	ug/l		100
86) p-Isopropyltoluene	13.729	119	153187	16.334	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	83655	17.935	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	86481	18.186	ug/l		99
89) n-Butylbenzene	14.053	91	141889	15.620	ug/l		99
90) Hexachloroethane	14.329	117	27839	17.512	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	81149	18.109	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	14024	16.745	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	46454	16.234	ug/l		97
94) Hexachlorobutadiene	15.494	225	14841	13.921	ug/l		97
95) Naphthalene	15.635	128	172694	16.214	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	45355	15.953	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087152.D
Acq On : 24 Jun 2025 13:28
Operator : JC\MD
Sample : VN0624WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 04:15:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

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

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

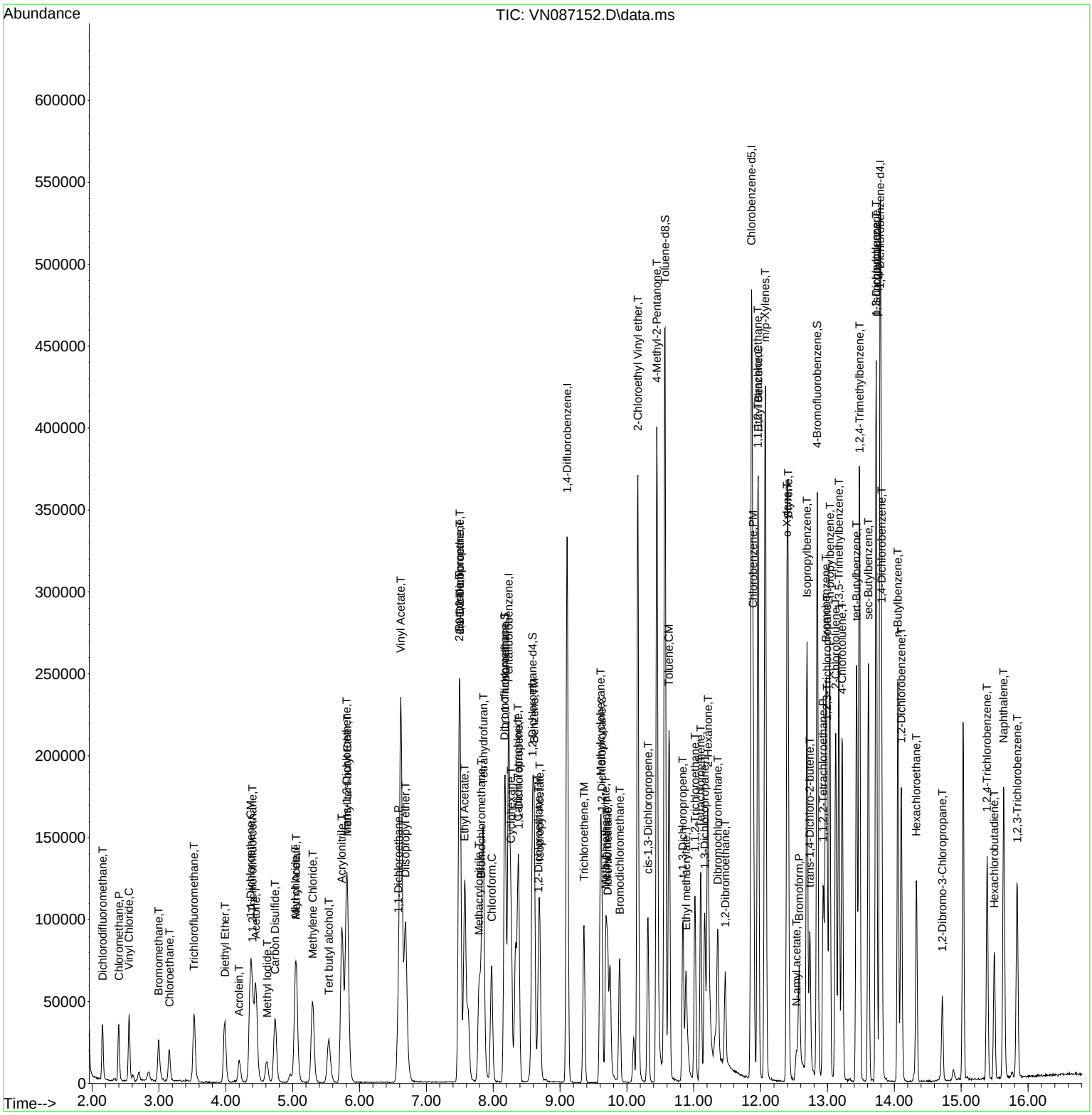
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087152.D
Acq On : 24 Jun 2025 13:28
Operator : JC\MD
Sample : VN0624WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 04:15:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087153.D
Acq On : 24 Jun 2025 14:01
Operator : JC\MD
Sample : VN0624WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 04:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	148340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	264363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	239185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	107515	54.134	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.260%			
35) Dibromofluoromethane	8.177	113	85696	54.699	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.400%			
50) Toluene-d8	10.565	98	295071	47.576	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.160%			
62) 4-Bromofluorobenzene	12.847	95	116960	50.758	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.520%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	28367	19.179	ug/l	95
3) Chloromethane	2.401	50	32560	17.048	ug/l	100
4) Vinyl Chloride	2.554	62	33033	16.767	ug/l	96
5) Bromomethane	3.001	94	17543	15.912	ug/l	93
6) Chloroethane	3.153	64	18858	14.818	ug/l	98
7) Trichlorofluoromethane	3.524	101	42432	16.484	ug/l	98
8) Diethyl Ether	3.989	74	22427	19.997	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.395	101	32659	20.194	ug/l	98
10) Methyl Iodide	4.612	142	24125	11.508	ug/l	92
11) Tert butyl alcohol	5.542	59	54359	100.868	ug/l	99
12) 1,1-Dichloroethene	4.365	96	31115	18.845	ug/l	92
13) Acrolein	4.200	56	17641	103.415	ug/l	99
14) Allyl chloride	5.047	41	53865	19.672	ug/l	98
15) Acrylonitrile	5.742	53	132492	105.184	ug/l	99
16) Acetone	4.448	43	109840	104.287	ug/l	99
17) Carbon Disulfide	4.736	76	88064	19.283	ug/l	96
18) Methyl Acetate	5.047	43	63774	20.778	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	124179	20.772	ug/l	99
20) Methylene Chloride	5.300	84	39505	20.034	ug/l	98
21) trans-1,2-Dichloroethene	5.812	96	35542	19.348	ug/l	98
22) Diisopropyl ether	6.683	45	120915	20.949	ug/l	94
23) Vinyl Acetate	6.618	43	536070	109.926	ug/l	96
24) 1,1-Dichloroethane	6.583	63	67455	20.308	ug/l	97
25) 2-Butanone	7.494	43	178544	104.288	ug/l	97
26) 2,2-Dichloropropane	7.500	77	55288	21.398	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	42737	19.453	ug/l	98
28) Bromochloromethane	7.824	49	35644	21.825	ug/l	96
29) Tetrahydrofuran	7.847	42	117925	105.737	ug/l	96
30) Chloroform	7.977	83	67064	20.217	ug/l	92
31) Cyclohexane	8.265	56	59224	18.385	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	53557	18.983	ug/l	97
36) 1,1-Dichloropropene	8.377	75	44260	18.959	ug/l	99
37) Ethyl Acetate	7.571	43	64859	21.825	ug/l	99
38) Carbon Tetrachloride	8.371	117	43545	18.999	ug/l	98
39) Methylcyclohexane	9.606	83	49889	15.598	ug/l	98
40) Benzene	8.612	78	147066	19.265	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087153.D
Acq On : 24 Jun 2025 14:01
Operator : JC\MD
Sample : VN0624WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 04:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	36475	21.854	ug/l		98
42) 1,2-Dichloroethane	8.677	62	50665	21.881	ug/l		97
43) Isopropyl Acetate	8.694	43	102822	21.557	ug/l		98
44) Trichloroethene	9.353	130	32721	18.077	ug/l		95
45) 1,2-Dichloropropane	9.624	63	38019	20.471	ug/l		95
46) Dibromomethane	9.712	93	26115	21.170	ug/l		97
47) Bromodichloromethane	9.894	83	52674	20.753	ug/l		97
48) Methyl methacrylate	9.688	41	44971	20.484	ug/l		94
49) 1,4-Dioxane	9.700	88	14805	370.693	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	313262	109.095	ug/l		95
52) Toluene	10.629	92	90194	19.333	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	58166	20.495	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	60500	19.923	ug/l	#	91
55) 1,1,2-Trichloroethane	11.018	97	36915	20.564	ug/l		97
56) Ethyl methacrylate	10.882	69	56036	19.599	ug/l		96
57) 1,3-Dichloropropane	11.165	76	62026	19.918	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	171844	100.767	ug/l		97
59) 2-Hexanone	11.212	43	169476	91.628	ug/l		97
60) Dibromochloromethane	11.359	129	38191	20.420	ug/l		99
61) 1,2-Dibromoethane	11.471	107	36926	20.069	ug/l		99
64) Tetrachloroethene	11.106	164	25781	17.032	ug/l		95
65) Chlorobenzene	11.894	112	99497	18.861	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	32640	19.248	ug/l		99
67) Ethyl Benzene	11.965	91	166326	18.304	ug/l		99
68) m/p-Xylenes	12.071	106	126557	36.384	ug/l		97
69) o-Xylene	12.400	106	60628	18.199	ug/l		94
70) Styrene	12.412	104	105648	18.533	ug/l		98
71) Bromoform	12.582	173	26348	20.970	ug/l	#	99
73) Isopropylbenzene	12.694	105	154252	17.452	ug/l		99
74) N-amyl acetate	12.541	43	57415m	18.589	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	59548	19.887	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	53186m	18.442	ug/l		
77) Bromobenzene	12.976	156	38703	19.093	ug/l		97
78) n-propylbenzene	13.035	91	188427	17.542	ug/l		98
79) 2-Chlorotoluene	13.123	91	116548	18.093	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	129323	17.722	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.741	75	21771	17.377	ug/l		92
82) 4-Chlorotoluene	13.223	91	120113	18.428	ug/l		99
83) tert-Butylbenzene	13.435	119	105870	15.849	ug/l		96
84) 1,2,4-Trimethylbenzene	13.482	105	130125	17.782	ug/l		99
85) sec-Butylbenzene	13.618	105	158007	16.288	ug/l		98
86) p-Isopropyltoluene	13.729	119	129347	16.130	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	72392	18.152	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	75205	18.496	ug/l		98
89) n-Butylbenzene	14.053	91	119771	15.420	ug/l		98
90) Hexachloroethane	14.329	117	23798	17.508	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	70341	18.358	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13444	18.774	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	40872	16.705	ug/l		99
94) Hexachlorobutadiene	15.500	225	12155	13.334	ug/l		96
95) Naphthalene	15.641	128	153772	16.885	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	38759	15.944	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087153.D
Acq On : 24 Jun 2025 14:01
Operator : JC\MD
Sample : VN0624WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 04:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025

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

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

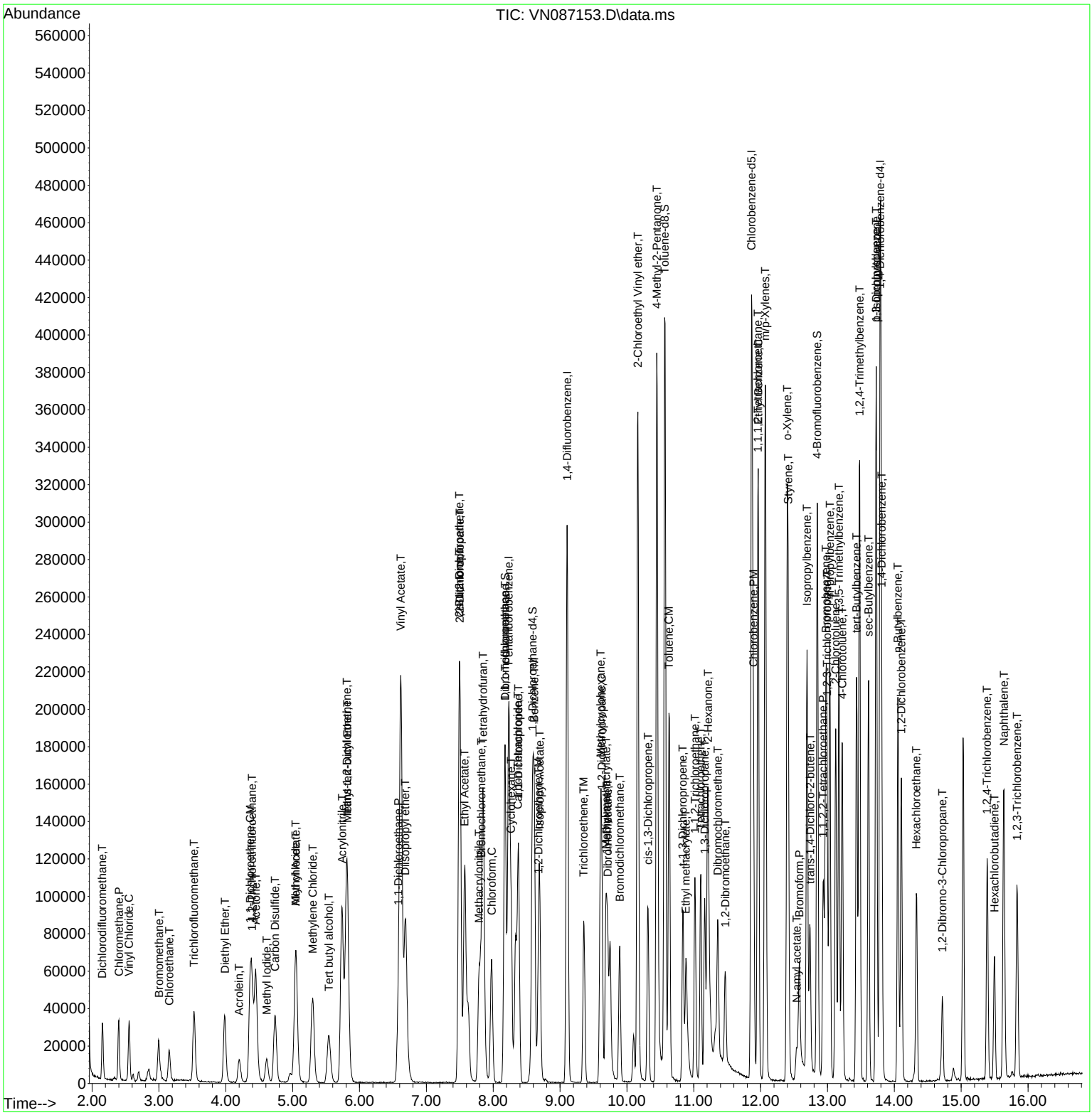
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
Data File : VN087153.D
Acq On : 24 Jun 2025 14:01
Operator : JC\MD
Sample : VN0624WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 04:16:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0624WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/25/2025
Supervised By :Mahesh Dadoda 06/25/2025



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

Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

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

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Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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Manual Integration Report

Sequence:	vn062425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087149.D	1,2,3-Trichloropropane	JOHN	6/25/2025 8:42:45 AM	MMDadoda	6/25/2025 12:33:37 PM	Peak Integrated by Software
VN0624WBS01	VN087152.D	1,2,3-Trichloropropane	JOHN	6/25/2025 8:42:55 AM	MMDadoda	6/25/2025 12:33:39 PM	Peak Integrated by Software
VN0624WBS01	VN087152.D	N-amyl acetate	JOHN	6/25/2025 8:42:55 AM	MMDadoda	6/25/2025 12:33:39 PM	Peak Integrated by Software
VN0624WBSD01	VN087153.D	1,2,3-Trichloropropane	JOHN	6/25/2025 8:47:01 AM	MMDadoda	6/25/2025 12:33:41 PM	Peak Integrated by Software
VN0624WBSD01	VN087153.D	N-amyl acetate	JOHN	6/25/2025 8:47:01 AM	MMDadoda	6/25/2025 12:33:41 PM	Peak Integrated by Software
VSTDCCC050	VN087160.D	1,2,3-Trichloropropane	JOHN	6/25/2025 8:47:10 AM	MMDadoda	6/25/2025 12:33:45 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDICC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDICC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDICC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDICCC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDICC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDICC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062425

Review By	John Carlone	Review On	6/25/2025 8:49:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/25/2025 12:34:10 PM		
SubDirectory	VN062425	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134482
Initial Calibration Stds	
CCC	VP134484,VP134486
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087148.D	24 Jun 2025 10:41	JC\MD	Ok
2	VSTDCCC050	VN087149.D	24 Jun 2025 11:14	JC\MD	Ok,M
3	VN0624WBL01	VN087150.D	24 Jun 2025 12:44	JC\MD	Ok
4	VN0624MBL01	VN087151.D	24 Jun 2025 13:06	JC\MD	Not Ok
5	VN0624WBS01	VN087152.D	24 Jun 2025 13:28	JC\MD	Ok,M
6	VN0624WBSD01	VN087153.D	24 Jun 2025 14:01	JC\MD	Ok,M
7	Q2366-02	VN087154.D	24 Jun 2025 14:23	JC\MD	Ok
8	Q2366-01	VN087155.D	24 Jun 2025 14:44	JC\MD	ReRun
9	IBLK	VN087156.D	24 Jun 2025 15:06	JC\MD	Ok
10	IBLK	VN087157.D	24 Jun 2025 15:28	JC\MD	Ok
11	Q2401-01	VN087158.D	24 Jun 2025 15:49	JC\MD	ReRun
12	Q2402-01	VN087159.D	24 Jun 2025 16:11	JC\MD	Ok
13	VSTDCCC050	VN087160.D	24 Jun 2025 16:32	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

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

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN062425

Review By	John Carlone	Review On	6/25/2025 8:49:09 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/25/2025 12:34:10 PM		
SubDirectory	VN062425	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134482
Initial Calibration Stds	
CCC	VP134484,VP134486
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087148.D	24 Jun 2025 10:41		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087149.D	24 Jun 2025 11:14	CCC Failed High For Com.#52,67,68,69	JC\MD	Ok,M
3	VN0624WBL01	VN0624WBL01	VN087150.D	24 Jun 2025 12:44		JC\MD	Ok
4	VN0624MBL01	VN0624MBL01	VN087151.D	24 Jun 2025 13:06	Not Required	JC\MD	Not Ok
5	VN0624WBS01	VN0624WBS01	VN087152.D	24 Jun 2025 13:28		JC\MD	Ok,M
6	VN0624WBSD01	VN0624WBSD01	VN087153.D	24 Jun 2025 14:01		JC\MD	Ok,M
7	Q2366-02	250618063-05-TRIP-BL	VN087154.D	24 Jun 2025 14:23	vial B pH#6.0 TB	JC\MD	Ok
8	Q2366-01	250528063-02	VN087155.D	24 Jun 2025 14:44	Internal Standard Fail; Surrogate Fail	JC\MD	ReRun
9	IBLK	IBLK	VN087156.D	24 Jun 2025 15:06		JC\MD	Ok
10	IBLK	IBLK	VN087157.D	24 Jun 2025 15:28		JC\MD	Ok
11	Q2401-01	MW2	VN087158.D	24 Jun 2025 15:49	vial A pH<2 CCC Failed High	JC\MD	ReRun
12	Q2402-01	OBSI	VN087159.D	24 Jun 2025 16:11	vial A pH<2	JC\MD	Ok
13	VSTDCCC050	VSTDCCC050EC	VN087160.D	24 Jun 2025 16:32		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2402	**OrderDate:**	6/24/2025 8:13:22 AM
Client:	G Environmental	**Project:**	Pit
Contact:	Gary Landis	**Location:**	A42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2402-01	**OBSI**	**Water**			**06/23/25**			**06/23/25**
			VOCMS Group1	8260-Low			06/24/25	