

Hit Summary Sheet
SW-846

SDG No.: Q2209
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	P01W							
Q2209-01	P01W	Water	Tert butyl alcohol	18.1	J	5.50	25.0	ug/L
Q2209-01	P01W	Water	Acetone	5.60		1.50	5.00	ug/L
Q2209-01	P01W	Water	Methyl tert-butyl Ether	1.30		0.16	1.00	ug/L
Q2209-01	P01W	Water	Toluene	0.27	J	0.14	1.00	ug/L
			Total Voc :			25.3		
Q2209-01	P01W	Water	1,2,4-Trimethylbenzene	* 0.56	J	0.14	1.00	ug/L
			Total Tics :			0.56		
			Total Concentration:			25.8		



SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:	06/04/25	
Project:	Power		Date Received:	06/04/25	
Client Sample ID:	P01W		SDG No.:	Q2209	
Lab Sample ID:	Q2209-01		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
VN086960.D	1		06/11/25 19:33	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
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
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	18.1	J	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	5.60		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	1.30		0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	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
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
74-97-5	Bromochloromethane	0.22	U	0.22	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
108-87-2	Methylcyclohexane	0.16	U	0.16	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

Report of Analysis

Client:	G Environmental	Date Collected:	06/04/25
Project:	Power	Date Received:	06/04/25
Client Sample ID:	P01W	SDG No.:	Q2209
Lab Sample ID:	Q2209-01	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
VN086960.D	1		06/11/25 19:33	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.27	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
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
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
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	51.8		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	8.236			
540-36-3	1,4-Difluorobenzene	421000	9.106			
3114-55-4	Chlorobenzene-d5	371000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	06/04/25	
Project:	Power		Date Received:	06/04/25	
Client Sample ID:	P01W		SDG No.:	Q2209	
Lab Sample ID:	Q2209-01		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
VN086960.D	1		06/11/25 19:33	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS						
95-63-6	1,2,4-Trimethylbenzene	0.56	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

Surrogate Summary

SDG No.: **Q2209**

Client: **G Environmental**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q2209-01	P01W	1,2-Dichloroethane-d4	50	50.5	101	70 (74)	130 (125)
		Dibromofluoromethane	50	50.6	101	70 (75)	130 (124)
		Toluene-d8	50	51.8	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.4	99	70 (77)	130 (121)
VN0611WBL01	VN0611WBL01	1,2-Dichloroethane-d4	50	48.3	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.3	99	70 (75)	130 (124)
		Toluene-d8	50	51.7	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.4	99	70 (77)	130 (121)
VN0611WBS02	VN0611WBS02	1,2-Dichloroethane-d4	50	47.1	94	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	48.7	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.0	100	70 (77)	130 (121)
VN0611WBSD0	VN0611WBSD02	1,2-Dichloroethane-d4	50	47.9	96	70 (74)	130 (125)
		Dibromofluoromethane	50	52.3	105	70 (75)	130 (124)
		Toluene-d8	50	49.5	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.1	100	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2209

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VN086944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0611WBS02	Dichlorodifluoromethane	20	19.7	ug/L	99			40 (69)	160 (116)	
	Chloromethane	20	16.1	ug/L	81			40 (65)	160 (116)	
	Vinyl chloride	20	18.9	ug/L	95			70 (65)	130 (117)	
	Bromomethane	20	16.6	ug/L	83			40 (58)	160 (125)	
	Chloroethane	20	19.4	ug/L	97			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.2	ug/L	96			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70 (80)	130 (112)	
	Tert butyl alcohol	100	92.8	ug/L	93			70 (48)	130 (142)	
	1,1-Dichloroethene	20	19.2	ug/L	96			70 (74)	130 (110)	
	Acetone	100	99.0	ug/L	99			40 (60)	160 (125)	
	Carbon disulfide	20	17.8	ug/L	89			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			70 (78)	130 (114)	
	Methyl Acetate	20	19.0	ug/L	95			70 (67)	130 (125)	
	Methylene Chloride	20	19.0	ug/L	95			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.5	ug/L	93			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.4	ug/L	97			70 (78)	130 (112)	
	Cyclohexane	20	17.6	ug/L	88			70 (75)	130 (110)	
	2-Butanone	100	90.4	ug/L	90			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.2	ug/L	96			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	19.9	ug/L	100			70 (70)	130 (124)	
	Chloroform	20	19.5	ug/L	98			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			70 (80)	130 (108)	
	Methylcyclohexane	20	16.9	ug/L	85			70 (72)	130 (115)	
	Benzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.5	ug/L	98			70 (80)	130 (115)	
	Trichloroethene	20	19.9	ug/L	100			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.6	ug/L	98			70 (83)	130 (111)	
	Bromodichloromethane	20	19.6	ug/L	98			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	98.0	ug/L	98			40 (74)	160 (118)	
	Toluene	20	19.5	ug/L	98			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.1	ug/L	101			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			70 (83)	130 (112)	
	2-Hexanone	100	89.2	ug/L	89			40 (73)	160 (117)	
	Dibromochloromethane	20	20.5	ug/L	103			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.7	ug/L	99			70 (81)	130 (110)	
	Tetrachloroethene	20	19.2	ug/L	96			70 (67)	130 (123)	
	Chlorobenzene	20	20.0	ug/L	100			70 (82)	130 (109)	
	Ethyl Benzene	20	19.6	ug/L	98			70 (83)	130 (109)	
	m/p-Xylenes	40	39.6	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	20.2	ug/L	101			70 (83)	130 (109)	
	Styrene	20	20.1	ug/L	101			70 (80)	130 (111)	
	Bromoform	20	21.0	ug/L	105			70 (79)	130 (109)	
	Isopropylbenzene	20	19.3	ug/L	97			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	21.0	ug/L	105			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.3	ug/L	102			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	20.4	ug/L	102			70 (82)	130 (107)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2209

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VN086944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0611WBS02	1,2-Dichlorobenzene	20	20.0	ug/L	100			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.4	ug/L	92			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.8	ug/L	89			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2209

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VN086945.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0611WBSD02	Dichlorodifluoromethane	20	19.1	ug/L	96	3		40 (69)	160 (116)	20 (19)
	Chloromethane	20	15.5	ug/L	78	4		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	18.7	ug/L	94	1		70 (65)	130 (117)	20 (19)
	Bromomethane	20	16.2	ug/L	81	2		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.9	ug/L	95	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.0	ug/L	95	1		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94	4		70 (80)	130 (112)	20 (15)
	Tert butyl alcohol	100	98.0	ug/L	98	5		70 (48)	130 (142)	20 (30)
	1,1-Dichloroethene	20	19.1	ug/L	96	0		70 (74)	130 (110)	20 (20)
	Acetone	100	92.4	ug/L	92	7		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.2	ug/L	86	3		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.2	ug/L	101	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	20.1	ug/L	101	6		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.1	ug/L	96	1		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.6	ug/L	93	0		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.3	ug/L	97	0		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	17.2	ug/L	86	2		70 (75)	130 (110)	20 (20)
	2-Butanone	100	94.9	ug/L	95	5		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	19.5	ug/L	98	2		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.6	ug/L	98	0		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	21.1	ug/L	106	6		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.4	ug/L	97	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	18.8	ug/L	94	1		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	16.6	ug/L	83	2		70 (72)	130 (115)	20 (20)
	Benzene	20	19.7	ug/L	99	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.3	ug/L	102	4		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.1	ug/L	101	1		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	20.0	ug/L	100	2		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	20.7	ug/L	104	6		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	100	ug/L	100	2		40 (74)	160 (118)	20 (25)
	Toluene	20	19.9	ug/L	100	2		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	20.7	ug/L	104	4		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.7	ug/L	104	3		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	20.9	ug/L	104	2		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	93.8	ug/L	94	5		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	21.2	ug/L	106	3		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.7	ug/L	104	5		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.5	ug/L	93	3		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	20.2	ug/L	101	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	19.3	ug/L	97	1		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	39.5	ug/L	99	0		70 (82)	130 (110)	20 (15)
	o-Xylene	20	20.0	ug/L	100	1		70 (83)	130 (109)	20 (20)
	Styrene	20	20.6	ug/L	103	2		70 (80)	130 (111)	20 (17)
	Bromoform	20	22.4	ug/L	112	6		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.3	ug/L	97	0		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	21.7	ug/L	109	4		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.5	ug/L	103	1		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	20.4	ug/L	102	0		70 (82)	130 (107)	20 (15)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2209

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VN086945.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN0611WBSD02	1,2-Dichlorobenzene	20	20.6	ug/L	103	3		70 (82)	130 (109)	20 (20)
	1,2-Dibromo-3-Chloropropane	20	20.8	ug/L	104	8		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94	2		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	18.1	ug/L	91	2		70 (76)	130 (114)	20 (29)

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0611WBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q2209

SAS No.: Q2209 SDG NO.: Q2209

Lab File ID: VN086942.D

Lab Sample ID: VN0611WBL01

Date Analyzed: 06/11/2025

Time Analyzed: 12:28

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
VN0611WBS02	VN0611WBS02	VN086944.D	06/11/2025
VN0611WBSD02	VN0611WBSD02	VN086945.D	06/11/2025
P01W	Q2209-01	VN086960.D	06/11/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2209 SAS No.: Q2209 SDG NO.: Q2209
Lab File ID: VN086861.D BFB Injection Date: 06/06/2025
Instrument ID: MSVOA_N BFB Injection Time: 07:59
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

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

1-Value is % mass 174

2-Value is % mass 176

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

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2209 SAS No.: Q2209 SDG NO.: Q2209
Lab File ID: VN086939.D BFB Injection Date: 06/11/2025
Instrument ID: MSVOA_N BFB Injection Time: 10:22
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	15.7
75	30.0 - 60.0% of mass 95	46.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	68.8 (96.8) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086940.D	06/11/2025	11:32
VN0611WBL01	VN0611WBL01	VN086942.D	06/11/2025	12:28
VN0611WBS02	VN0611WBS02	VN086944.D	06/11/2025	13:27
VN0611WBSD02	VN0611WBSD02	VN086945.D	06/11/2025	14:01
P01W	Q2209-01	VN086960.D	06/11/2025	19:33

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2209 SAS No.: Q2209 SDG NO.: Q2209
Lab File ID: VN086940.D Date Analyzed: 06/11/2025
Instrument ID: MSVOA_N Time Analyzed: 11:32
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	205098	8.23	357643	9.11	312173	11.87
UPPER LIMIT	410196	8.73	715286	9.606	624346	12.365
LOWER LIMIT	102549	7.73	178822	8.606	156087	11.365
EPA SAMPLE NO.						
P01W	221108	8.24	420559	9.11	370668	11.87
VN0611WBL01	328120	8.23	618651	9.11	543433	11.87
VN0611WBS02	206799	8.24	370524	9.11	321188	11.87
VN0611WBSD02	199904	8.23	354069	9.11	310598	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: GENV01
 Lab Code: CHEM Case No.: Q2209 SAS No.: Q2209 SDG NO.: Q2209
 Lab File ID: VN086940.D Date Analyzed: 06/11/2025
 Instrument ID: MSVOA_N Time Analyzed: 11:32
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	152136	13.788				
UPPER LIMIT	304272	14.288				
LOWER LIMIT	76068	13.288				
EPA SAMPLE NO.						
P01W	175389	13.79				
VN0611WBL01	257257	13.79				
VN0611WBS02	157403	13.79				
VN0611WBSD02	151691	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:	G Environmental		Date Collected:	
Project:	Power		Date Received:	
Client Sample ID:	VN0611WBL01		SDG No.:	Q2209
Lab Sample ID:	VN0611WBL01		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
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
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
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	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
79-20-9	Methyl Acetate	0.27	U	0.27	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
110-82-7	Cyclohexane	1.50	U	1.50	5.00	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
74-97-5	Bromochloromethane	0.22	U	0.22	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
108-87-2	Methylcyclohexane	0.16	U	0.16	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

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Power		Date Received:	
Client Sample ID:	VN0611WBL01		SDG No.:	Q2209
Lab Sample ID:	VN0611WBL01		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
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
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
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	51.7		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	328000	8.23			
540-36-3	1,4-Difluorobenzene	619000	9.106			
3114-55-4	Chlorobenzene-d5	543000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Power		Date Received:	
Client Sample ID:	VN0611WBL01		SDG No.:	Q2209
Lab Sample ID:	VN0611WBL01		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
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	G Environmental		Date Collected:	
Project:	Power		Date Received:	
Client Sample ID:	VN0611WBS02		SDG No.:	Q2209
Lab Sample ID:	VN0611WBS02		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
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		0.22	1.00	ug/L
74-87-3	Chloromethane	16.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	1.00	ug/L
74-83-9	Bromomethane	16.6		1.40	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	92.8		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
67-64-1	Acetone	99.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.0		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.5		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	5.00	ug/L
78-93-3	2-Butanone	90.4		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.9		0.22	1.00	ug/L
67-66-3	Chloroform	19.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.16	1.00	ug/L
71-43-2	Benzene	19.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.9		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.0		0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Power		Date Received:	
Client Sample ID:	VN0611WBS02		SDG No.:	Q2209
Lab Sample ID:	VN0611WBS02		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
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	19.5		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	89.2		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.0		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.6		0.24	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	1.00	ug/L
100-42-5	Styrene	20.1		0.15	1.00	ug/L
75-25-2	Bromoform	21.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.0		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.4		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	8.235			
540-36-3	1,4-Difluorobenzene	371000	9.106			
3114-55-4	Chlorobenzene-d5	321000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Power		Date Received:	
Client Sample ID:	VN0611WBS02		SDG No.:	Q2209
Lab Sample ID:	VN0611WBS02		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
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	G Environmental		Date Collected:	
Project:	Power		Date Received:	
Client Sample ID:	VN0611WBSD02		SDG No.:	Q2209
Lab Sample ID:	VN0611WBSD02		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
VN086945.D	1		06/11/25 14:01	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.1		0.22	1.00	ug/L
74-87-3	Chloromethane	15.5		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.7		0.26	1.00	ug/L
74-83-9	Bromomethane	16.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.9		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	98.0		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.23	1.00	ug/L
67-64-1	Acetone	92.4		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.1		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.2		1.50	5.00	ug/L
78-93-3	2-Butanone	94.9		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.1		0.22	1.00	ug/L
67-66-3	Chloroform	19.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.8		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.6		0.16	1.00	ug/L
71-43-2	Benzene	19.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.1		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.0		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Power		Date Received:	
Client Sample ID:	VN0611WBSD02		SDG No.:	Q2209
Lab Sample ID:	VN0611WBSD02		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
VN086945.D	1		06/11/25 14:01	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	19.9		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.7		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	93.8		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.2		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.5		0.24	2.00	ug/L
95-47-6	o-Xylene	20.0		0.12	1.00	ug/L
100-42-5	Styrene	20.6		0.15	1.00	ug/L
75-25-2	Bromoform	22.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.7		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.6		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.1		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	8.229			
540-36-3	1,4-Difluorobenzene	354000	9.106			
3114-55-4	Chlorobenzene-d5	311000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.788			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Power		Date Received:	
Client Sample ID:	VN0611WBSD02		SDG No.:	Q2209
Lab Sample ID:	VN0611WBSD02		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
VN086945.D	1		06/11/25 14:01	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2209 SAS No.: Q2209 SDG No.: Q2209

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

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

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

LAB FILE ID:								
RRF001 = VN086862.D			RRF005 = VN086863.D			RRF020 = VN086864.D		
RRF050 = VN086865.D			RRF100 = VN086866.D			RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.5
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
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
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
Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.1
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
Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.2
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
Bromochloromethane	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.5
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
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
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

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2209 SAS No.: Q2209 SDG No.: Q2209

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

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

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

LAB FILE ID:		RRF001 = VN086862.D		RRF005 = VN086863.D		RRF020 = VN086864.D		
		RRF050 = VN086865.D		RRF100 = VN086866.D		RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
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
1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
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
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8
1,2-Dibromo-3-Chloropropane	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.3
1,2,4-Trichlorobenzene	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.8
1,2,3-Trichlorobenzene	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2209 SAS No.: Q2209 SDG No.: Q2209

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 11:32

Lab File ID: VN086940.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
Dichlorodifluoromethane	0.499	0.538		7.82	20
Chloromethane	0.644	0.555	0.1	-13.82	20
Vinyl Chloride	0.664	0.701		5.57	20
Bromomethane	0.372	0.312		-16.13	20
Chloroethane	0.429	0.457		6.53	20
Trichlorofluoromethane	0.868	0.930		7.14	20
1,1,2-Trichlorotrifluoroethane	0.545	0.582		6.79	20
Tert butyl alcohol	0.182	0.178		-2.2	20
1,1-Dichloroethene	0.557	0.593		6.46	20
Acetone	0.355	0.384		8.17	20
Carbon Disulfide	1.539	1.505		-2.21	20
Methyl tert-butyl Ether	2.015	2.172		7.79	20
Methyl Acetate	1.035	1.085		4.83	20
Methylene Chloride	0.665	0.673		1.2	20
trans-1,2-Dichloroethene	0.619	0.633		2.26	20
1,1-Dichloroethane	1.120	1.178	0.1	5.18	20
Cyclohexane	1.086	1.017		-6.35	20
2-Butanone	0.577	0.568		-1.56	20
Carbon Tetrachloride	0.433	0.472		9.01	20
cis-1,2-Dichloroethene	0.740	0.793		7.16	20
Bromochloromethane	0.550	0.578		5.09	20
Chloroform	1.118	1.176		5.19	20
1,1,1-Trichloroethane	0.951	0.976		2.63	20
Methylcyclohexane	0.605	0.576		-4.79	20
Benzene	1.444	1.554		7.55	20
1,2-Dichloroethane	0.438	0.472		7.76	20
Trichloroethene	0.342	0.382		11.7	20
1,2-Dichloropropane	0.351	0.384		9.4	20
Bromodichloromethane	0.480	0.532		10.83	20
4-Methyl-2-Pentanone	0.543	0.590		8.66	20
Toluene	0.882	0.978		10.88	20
t-1,3-Dichloropropene	0.537	0.609		13.41	20
cis-1,3-Dichloropropene	0.574	0.661		15.16	20
1,1,2-Trichloroethane	0.340	0.383		12.65	20
2-Hexanone	0.350	0.395		12.86	20
Dibromochloromethane	0.354	0.414		16.95	20
1,2-Dibromoethane	0.348	0.385		10.63	20
Tetrachloroethene	0.316	0.337		6.65	20

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: GENV01

Lab Code: CHEM Case No.: Q2209 SAS No.: Q2209 SDG No.: Q2209

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 11:32

Lab File ID: VN086940.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
Chlorobenzene	1.103	1.222	0.3	10.79	20
Ethyl Benzene	1.900	2.059		8.37	20
m/p-Xylenes	0.727	0.802		10.32	20
o-Xylene	0.696	0.782		12.36	20
Styrene	1.192	1.358		13.93	20
Bromoform	0.263	0.319	0.1	21.29	20
Isopropylbenzene	3.643	3.898		7	20
1,1,2,2-Tetrachloroethane	1.234	1.402	0.3	13.61	20
1,3-Dichlorobenzene	1.644	1.843		12.1	20
1,4-Dichlorobenzene	1.676	1.887		12.59	20
1,2-Dichlorobenzene	1.579	1.761		11.53	20
1,2-Dibromo-3-Chloropropane	0.295	0.311		5.42	20
1,2,4-Trichlorobenzene	1.008	1.052		4.36	20
1,2,3-Trichlorobenzene	1.002	0.995		-0.7	20
1,2-Dichloroethane-d4	0.669	0.622		-7.03	20
Dibromofluoromethane	0.296	0.309		4.39	20
Toluene-d8	1.173	1.181		0.68	20
4-Bromofluorobenzene	0.436	0.440		0.92	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\VN061125\
 Data File : VN086960.D
 Acq On : 11 Jun 2025 19:33
 Operator : JC\MD
 Sample : Q2209-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P01W

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 12 01:38:58 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)

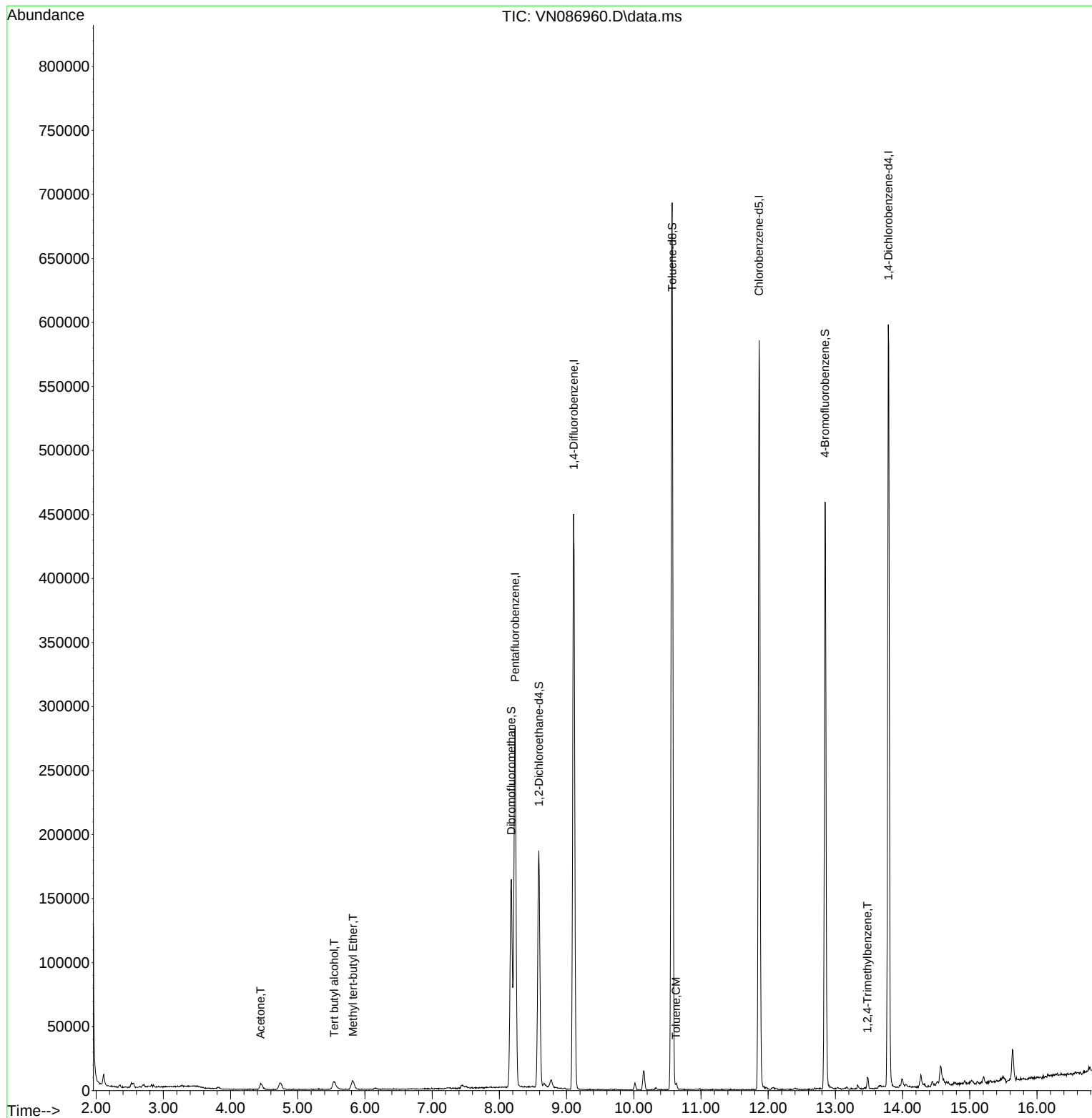
Internal Standards						
1) Pentafluorobenzene	8.236	168	221108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	420559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	370668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	175389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	149549	50.517	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.040%	
35) Dibromofluoromethane	8.177	113	126092	50.592	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.180%	
50) Toluene-d8	10.571	98	510884	51.780	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.560%	
62) 4-Bromofluorobenzene	12.847	95	180893	49.348	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.700%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.542	59	14515	18.070	ug/l #	88
16) Acetone	4.448	43	8812	5.613	ug/l	97
19) Methyl tert-butyl Ether	5.824	73	11912	1.337	ug/l #	91
52) Toluene	10.629	92	1995	0.269	ug/l	92
84) 1,2,4-Trimethylbenzene	13.476	105	5936	0.561	ug/l	96

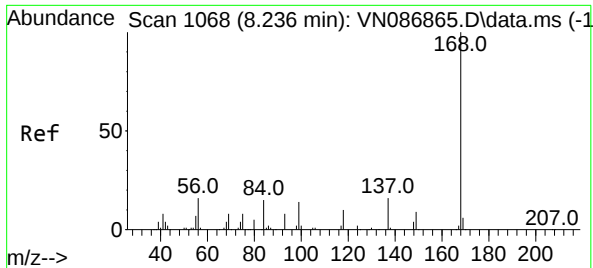
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086960.D
Acq On : 11 Jun 2025 19:33
Operator : JC\MD
Sample : Q2209-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
P01W

Quant Time: Jun 12 01:38:58 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

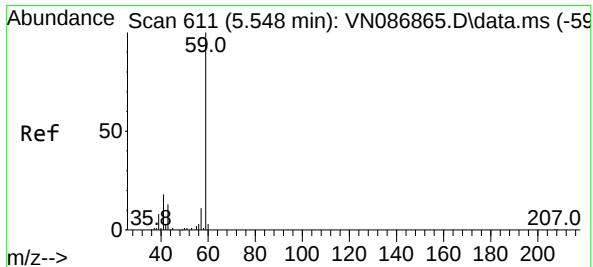
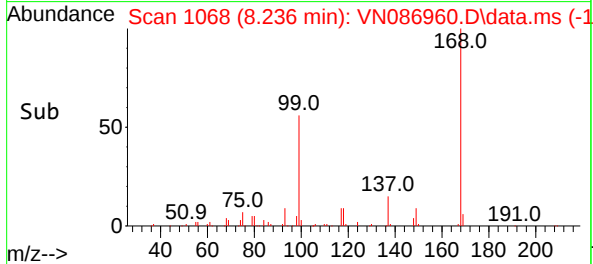
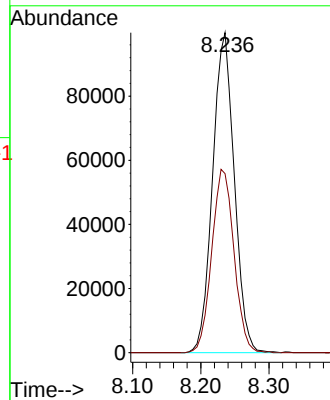
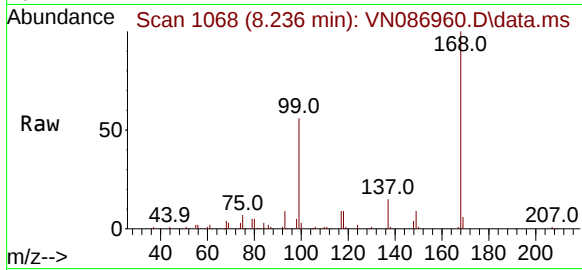




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086960.D
Acq: 11 Jun 2025 19:33

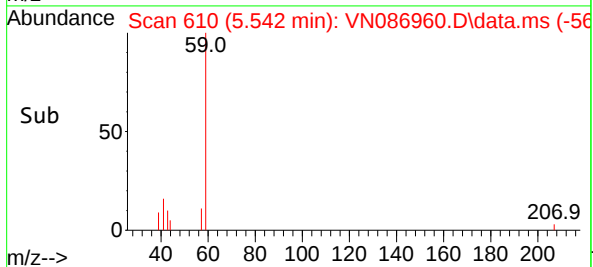
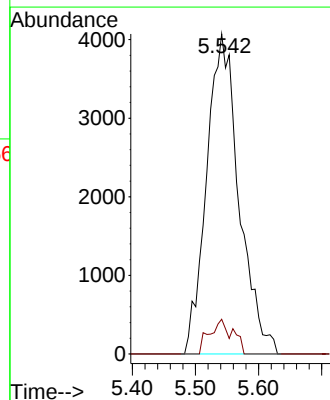
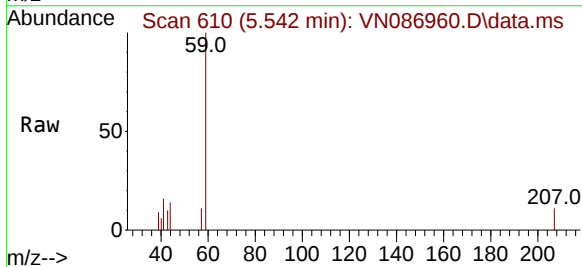
Instrument :
MSVOA_N
ClientSampleId :
P01W

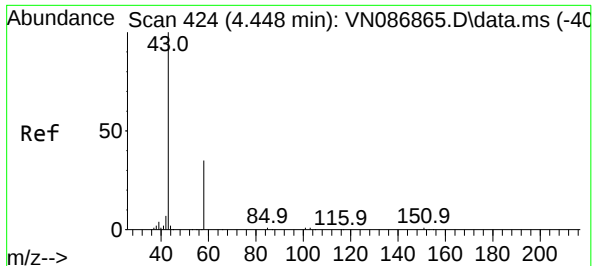
Tgt Ion:168 Resp: 221108
Ion Ratio Lower Upper
168 100
99 56.0 49.1 73.7



#11
Tert butyl alcohol
Concen: 18.070 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN086960.D
Acq: 11 Jun 2025 19:33

Tgt Ion: 59 Resp: 14515
Ion Ratio Lower Upper
59 100
57 5.8 8.1 12.1#

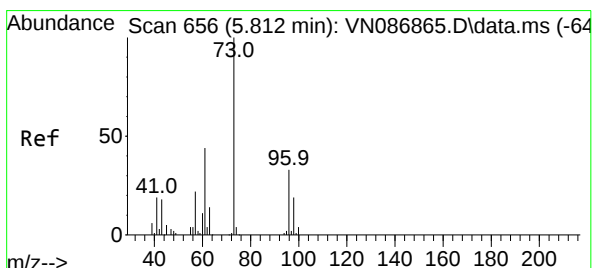
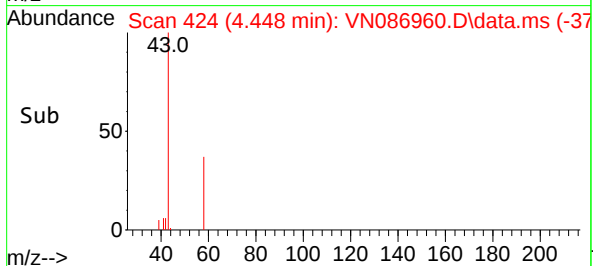
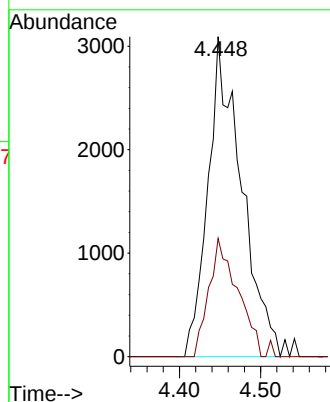
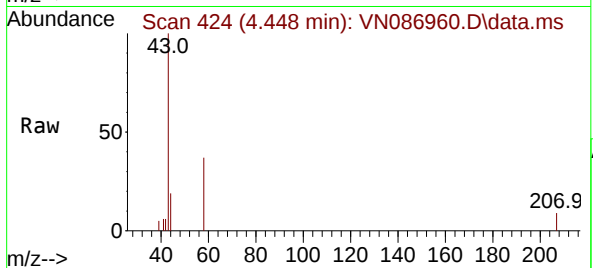




#16
Acetone
Concen: 5.613 ug/l
RT: 4.448 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086960.D
Acq: 11 Jun 2025 19:33

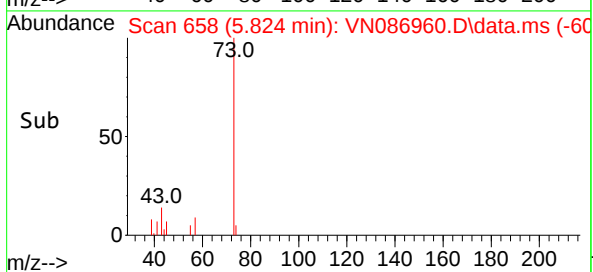
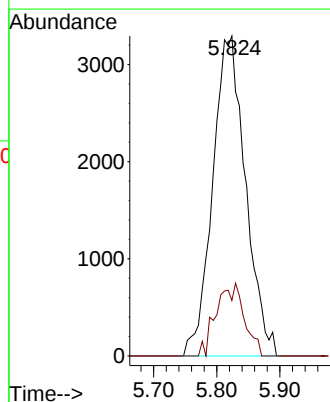
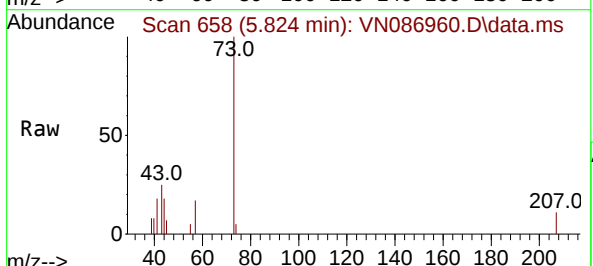
Instrument :
MSVOA_N
ClientSampleId :
P01W

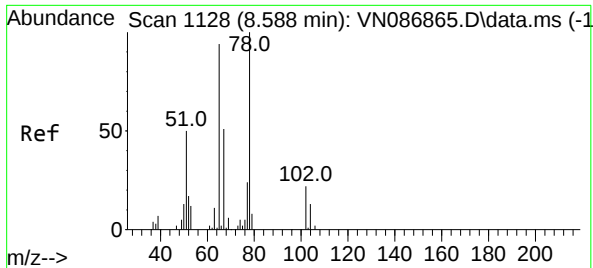
Tgt Ion: 43 Resp: 8812
Ion Ratio Lower Upper
43 100
58 36.9 28.0 42.0



#19
Methyl tert-butyl Ether
Concen: 1.337 ug/l
RT: 5.824 min Scan# 658
Delta R.T. 0.012 min
Lab File: VN086960.D
Acq: 11 Jun 2025 19:33

Tgt Ion: 73 Resp: 11912
Ion Ratio Lower Upper
73 100
57 17.3 17.4 26.2#





#33

1,2-Dichloroethane-d4

Concen: 50.517 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086960.D

Acq: 11 Jun 2025 19:33

Instrument :

MSVOA_N

ClientSampleId :

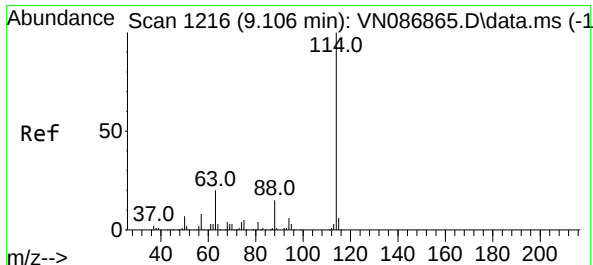
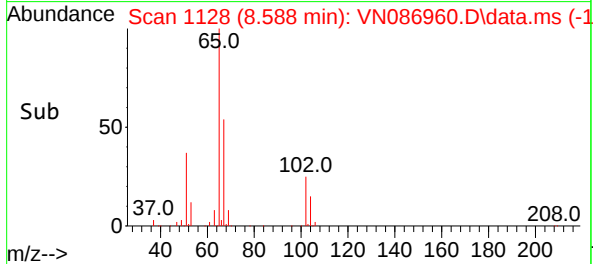
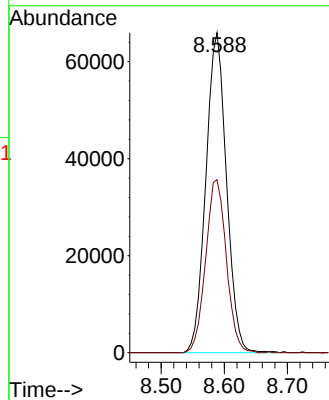
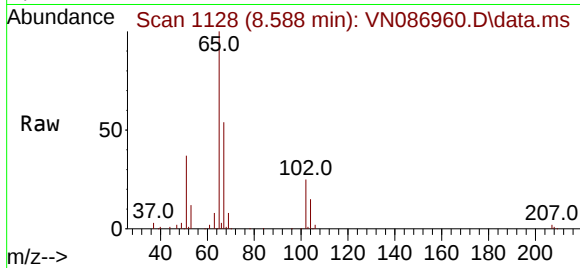
P01W

Tgt Ion: 65 Resp: 149549

Ion Ratio Lower Upper

65 100

67 54.2 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086960.D

Acq: 11 Jun 2025 19:33

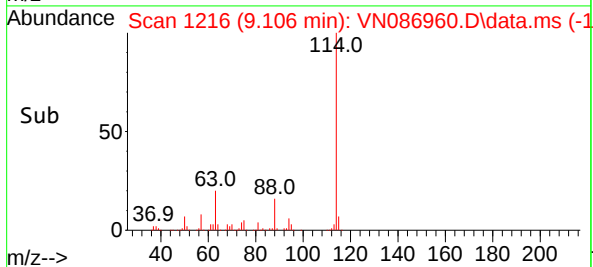
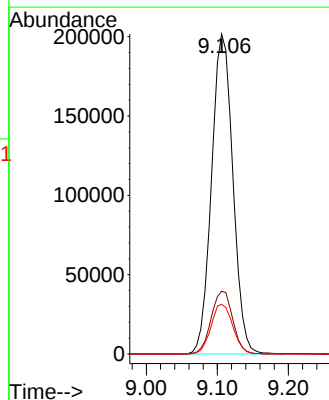
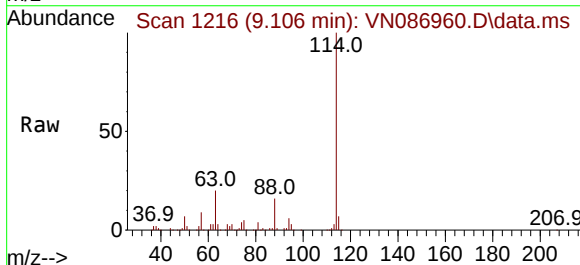
Tgt Ion: 114 Resp: 420559

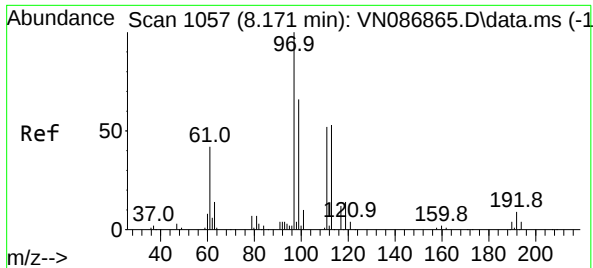
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

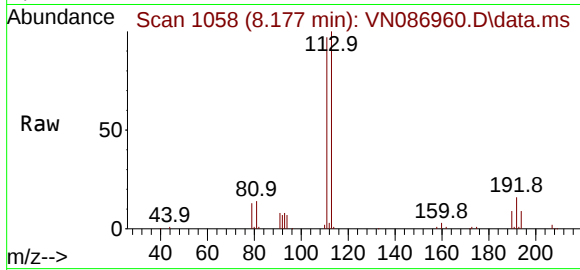
88 15.5 0.0 30.2



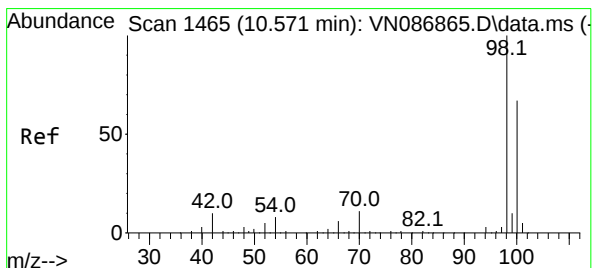
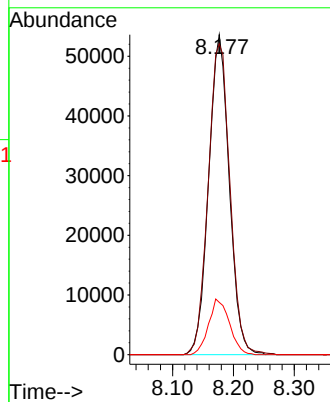
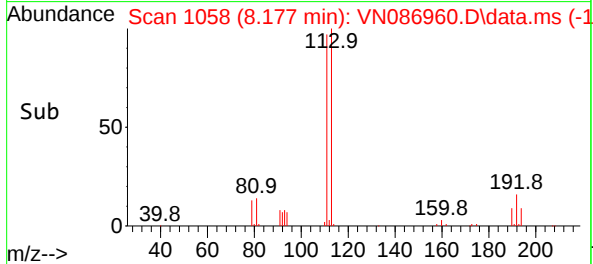


#35
Dibromofluoromethane
Concen: 50.592 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086960.D
Acq: 11 Jun 2025 19:33

Instrument :
MSVOA_N
ClientSampleId :
P01W

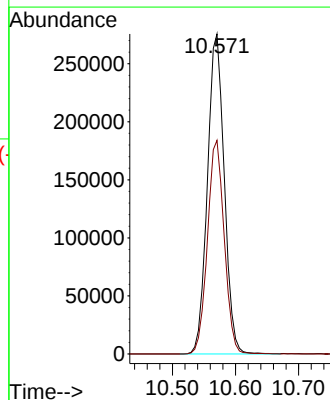
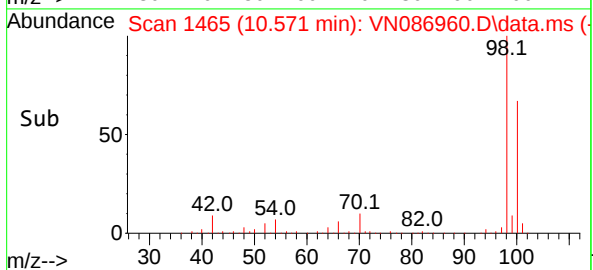
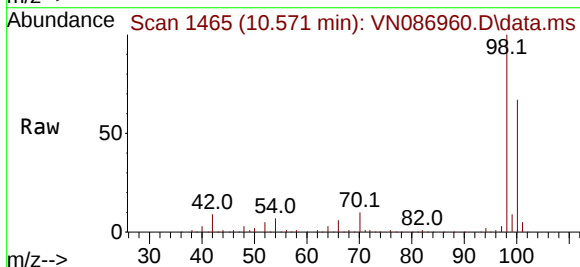


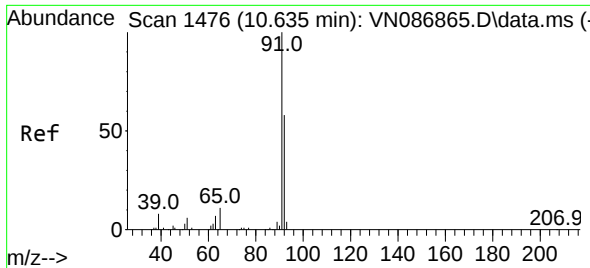
Tgt Ion:113 Resp: 126092
Ion Ratio Lower Upper
113 100
111 102.7 84.2 126.2
192 17.6 14.2 21.4



#50
Toluene-d8
Concen: 51.780 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086960.D
Acq: 11 Jun 2025 19:33

Tgt Ion: 98 Resp: 510884
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0

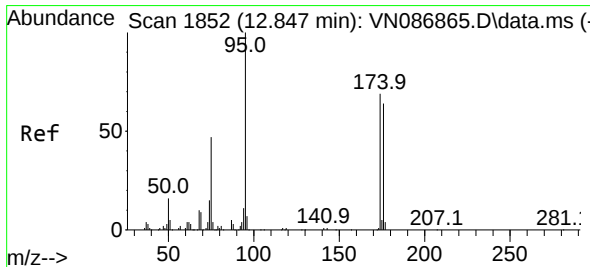
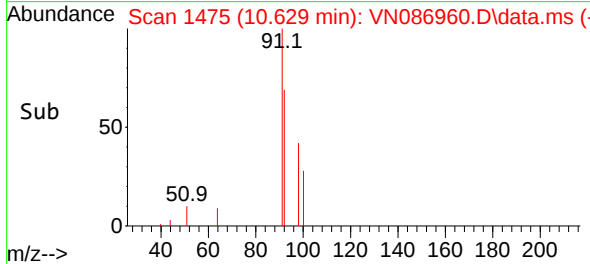
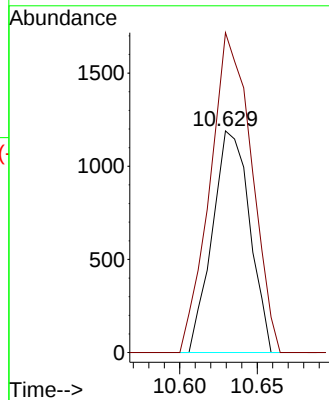
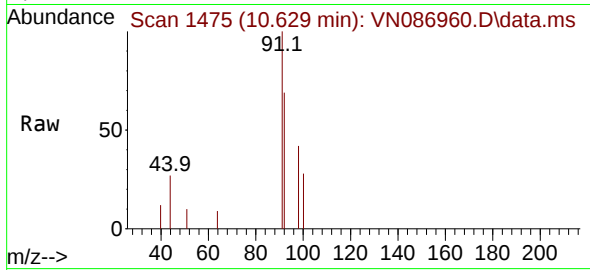




#52
Toluene
Concen: 0.269 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086960.D
Acq: 11 Jun 2025 19:33

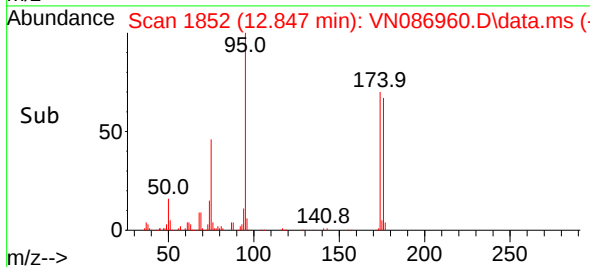
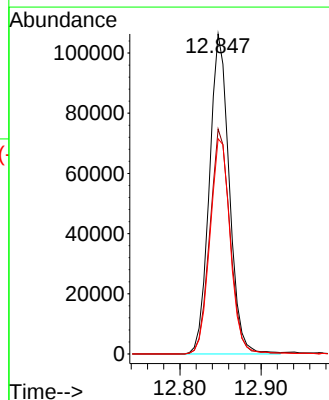
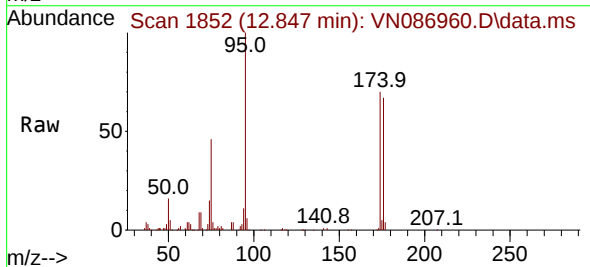
Instrument :
MSVOA_N
ClientSampleId :
P01W

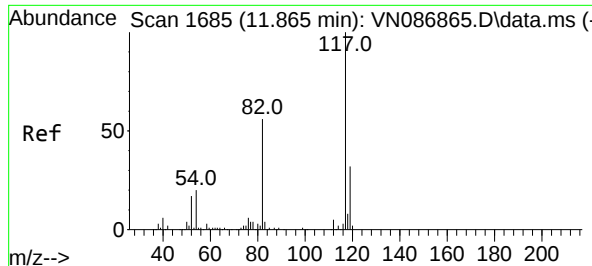
Tgt Ion: 92 Resp: 1995
Ion Ratio Lower Upper
92 100
91 160.2 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 49.348 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086960.D
Acq: 11 Jun 2025 19:33

Tgt Ion: 95 Resp: 180893
Ion Ratio Lower Upper
95 100
174 71.4 0.0 141.8
176 68.8 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: VN086960.D

Acq: 11 Jun 2025 19:33

Instrument :

MSVOA_N

ClientSampleId :

P01W

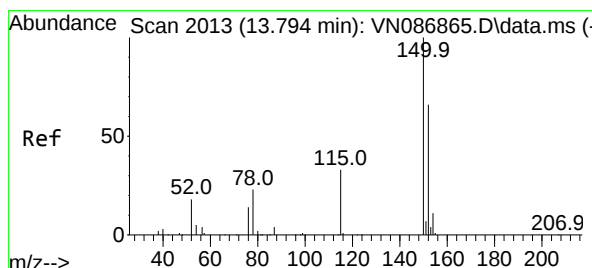
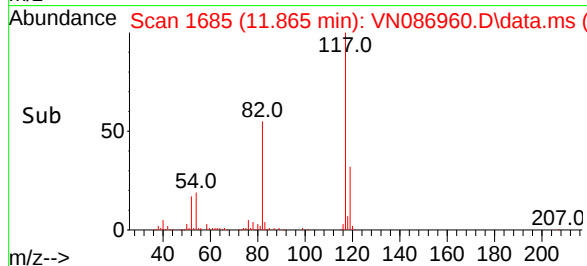
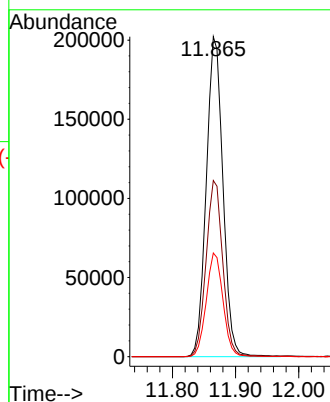
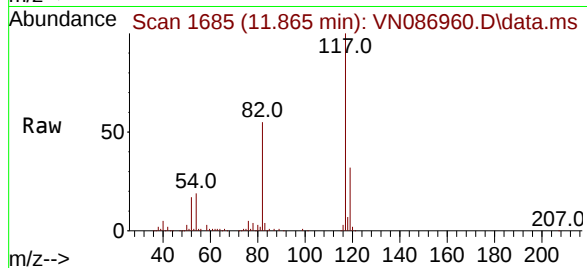
Tgt Ion:117 Resp: 370668

Ion Ratio Lower Upper

117 100

82 55.0 44.6 67.0

119 32.4 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: VN086960.D

Acq: 11 Jun 2025 19:33

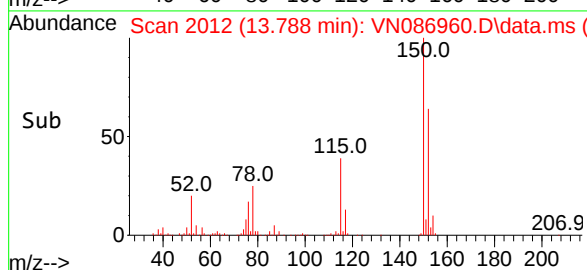
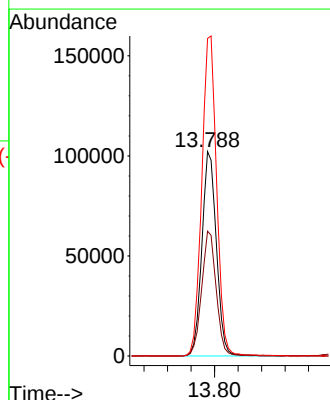
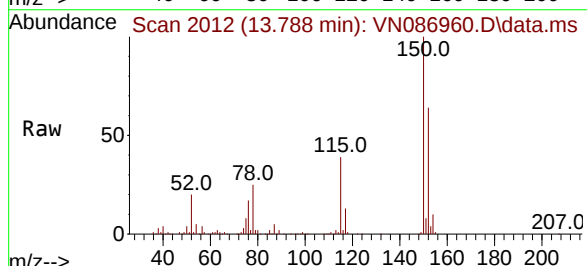
Tgt Ion:152 Resp: 175389

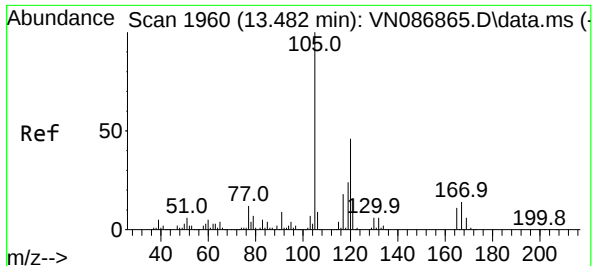
Ion Ratio Lower Upper

152 100

115 61.0 30.1 90.5

150 160.3 0.0 345.0





#84

1,2,4-Trimethylbenzene

Concen: 0.561 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VN086960.D

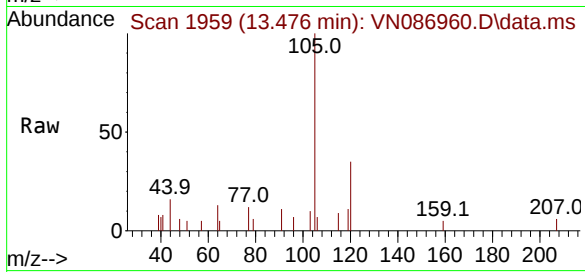
Acq: 11 Jun 2025 19:33

Instrument :

MSVOA_N

ClientSampleId :

P01W

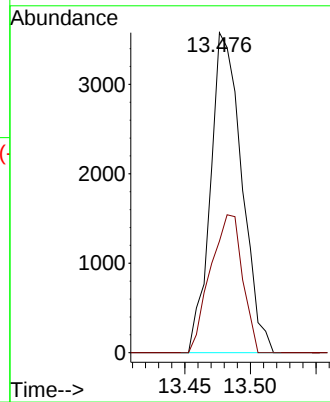
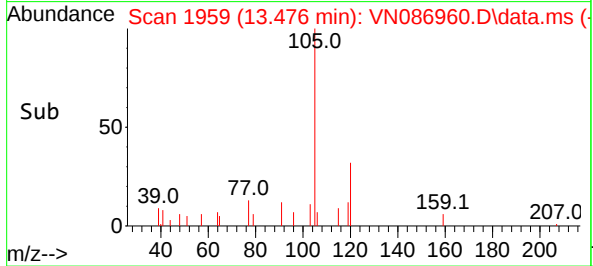


Tgt Ion:105 Resp: 5936

Ion Ratio Lower Upper

105 100

120 44.1 23.2 69.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086960.D
Acq On : 11 Jun 2025 19:33
Operator : JC\MD
Sample : Q2209-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
P01W

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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: VN086960.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.112	22	27	35	rVB3	9017	16873	1.31%	0.248%
2	4.448	417	424	433	rBV	4671	13130	1.02%	0.193%
3	4.736	465	473	482	rBV2	5080	16190	1.25%	0.238%
4	5.542	599	610	611	rBV2	6213	13795	1.07%	0.203%
5	5.812	648	656	670	rBV3	6874	22094	1.71%	0.325%
6	8.177	1048	1058	1062	rBV	162276	382085	29.59%	5.623%
7	8.236	1062	1068	1077	rVB	280489	637284	49.36%	9.379%
8	8.588	1118	1128	1137	rBV	184834	417885	32.37%	6.150%
9	8.771	1152	1159	1168	rVB3	6178	16591	1.29%	0.244%
10	9.106	1208	1216	1230	rVB	449433	930233	72.05%	13.690%
11	10.147	1387	1393	1400	rBV4	15131	31239	2.42%	0.460%
12	10.571	1454	1465	1474	rBV	692876	1291064	100.00%	19.001%
13	11.865	1677	1685	1699	rBV	584903	1071284	82.98%	15.766%
14	12.847	1845	1852	1861	rBV	458496	785896	60.87%	11.566%
15	13.476	1955	1959	1965	rVB2	8900	14117	1.09%	0.208%
16	13.788	2005	2012	2029	rVB	595380	1035610	80.21%	15.241%
17	14.270	2088	2094	2099	rBV6	10025	19810	1.53%	0.292%
18	14.565	2139	2144	2151	rBV8	13340	29858	2.31%	0.439%
19	15.635	2321	2326	2335	rVB2	24120	49714	3.85%	0.732%

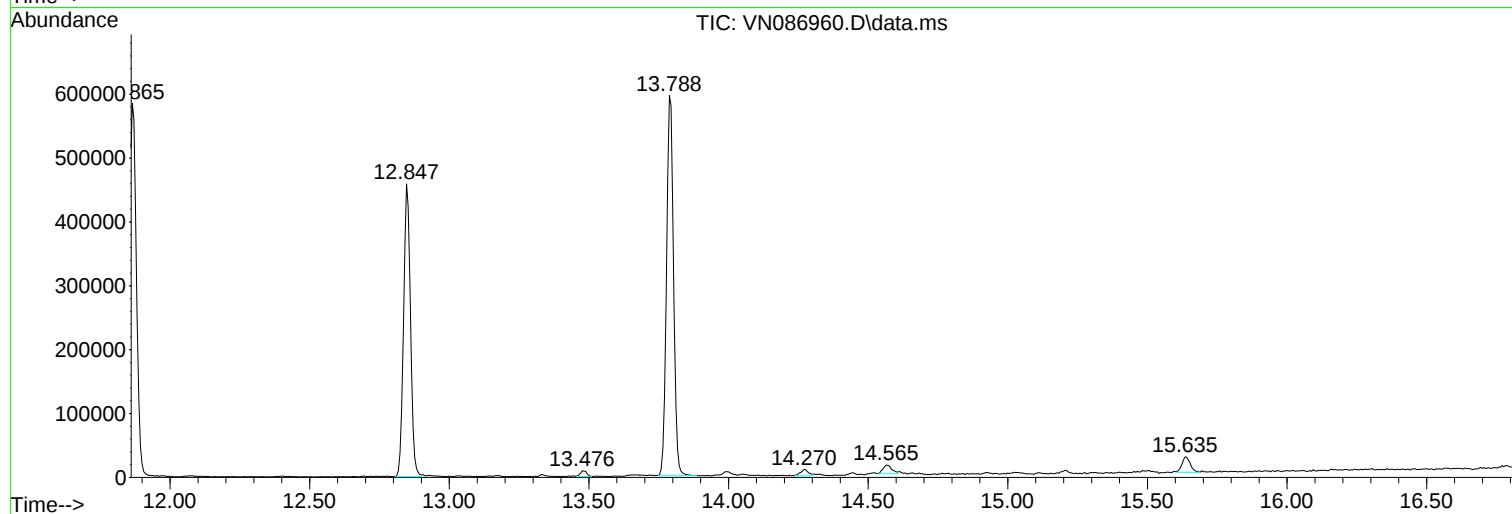
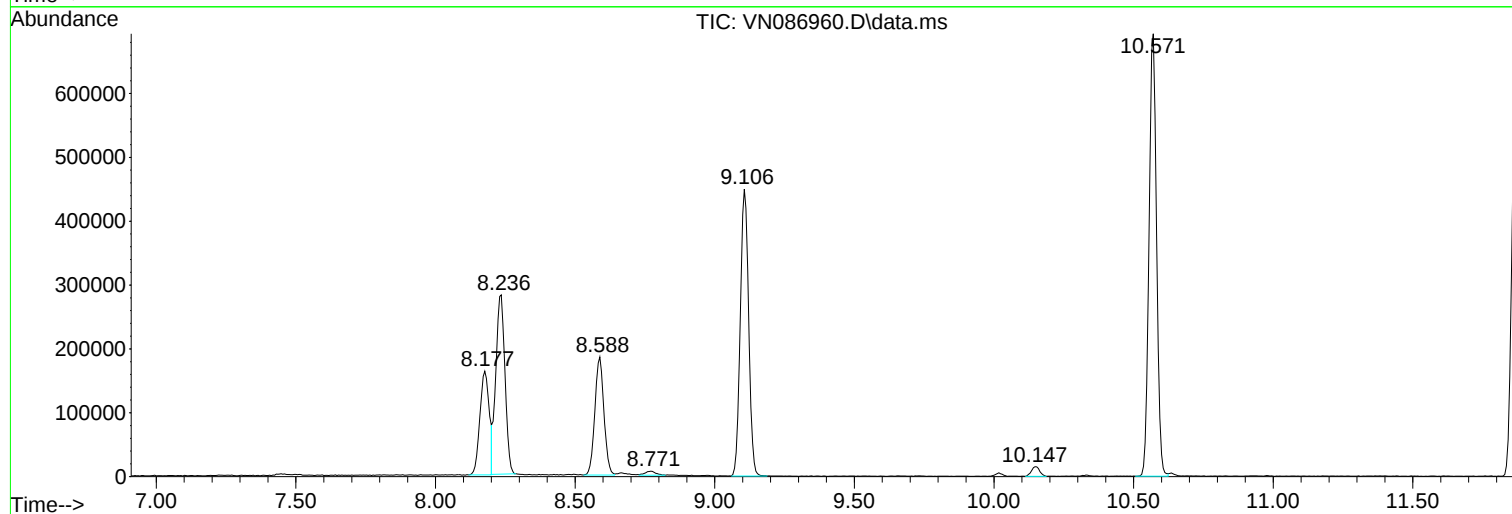
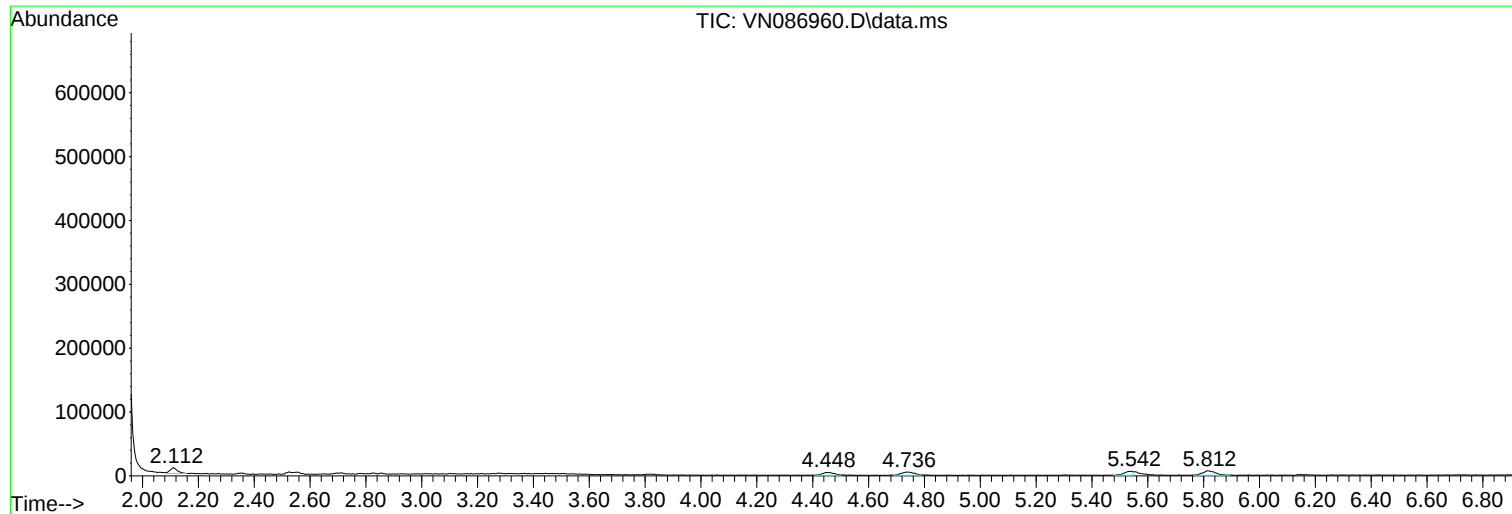
Sum of corrected areas: 6794752

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086960.D
Acq On : 11 Jun 2025 19:33
Operator : JC\MD
Sample : Q2209-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
P01W

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086960.D
Acq On : 11 Jun 2025 19:33
Operator : JC\MD
Sample : Q2209-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
P01W

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

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086960.D
Acq On : 11 Jun 2025 19:33
Operator : JC\MD
Sample : Q2209-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
P01W

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086942.D
 Acq On : 11 Jun 2025 12:28
 Operator : JC\MD
 Sample : VN0611WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBL01

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Quant Time: Jun 12 01:30:13 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

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	328120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	618651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	543433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	257257	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	212062	48.271	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.540%
35) Dibromofluoromethane	8.177	113	180701	49.287	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.580%
50) Toluene-d8	10.565	98	749967	51.673	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.340%
62) 4-Bromofluorobenzene	12.847	95	266545	49.431	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.860%

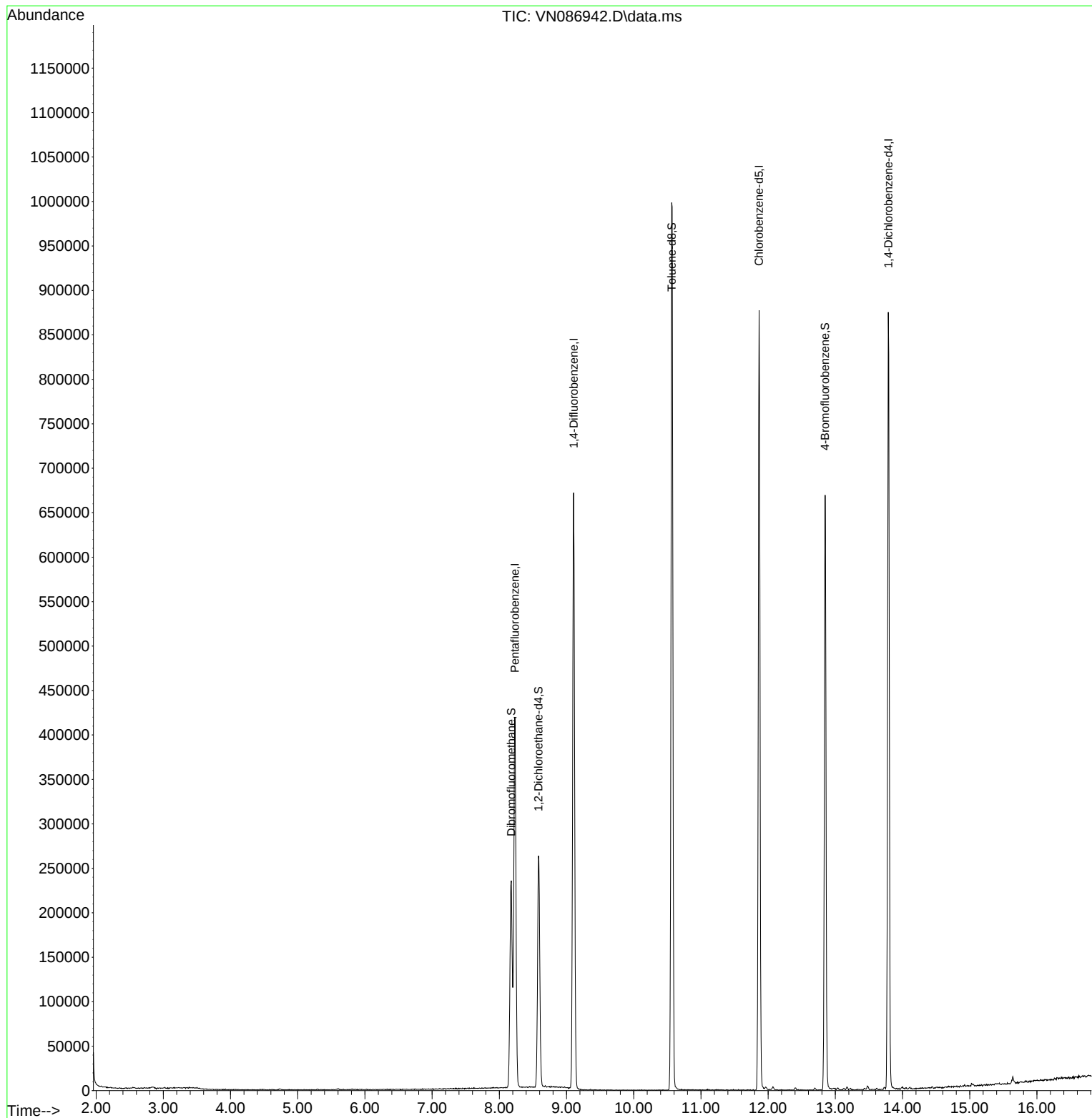
Target Compounds	Qvalue

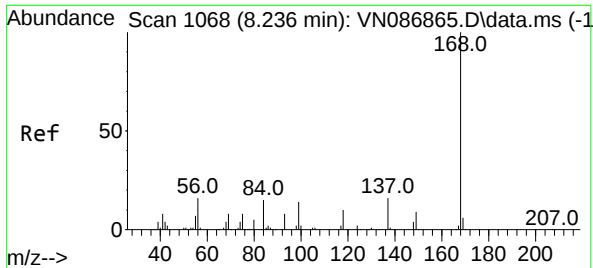
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Quant Time: Jun 12 01:30:13 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

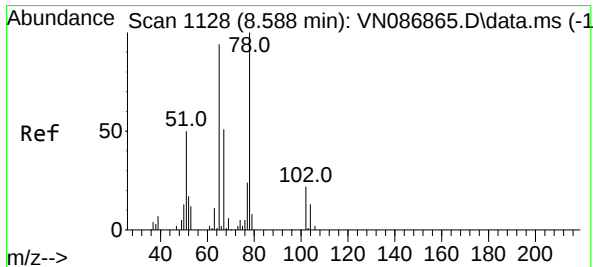
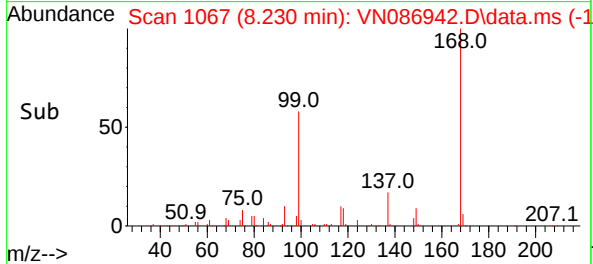
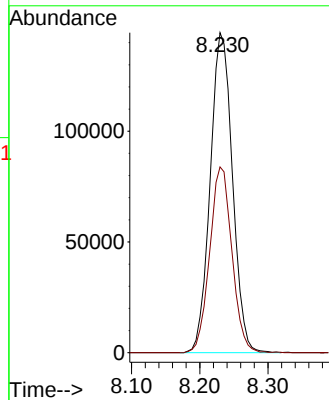
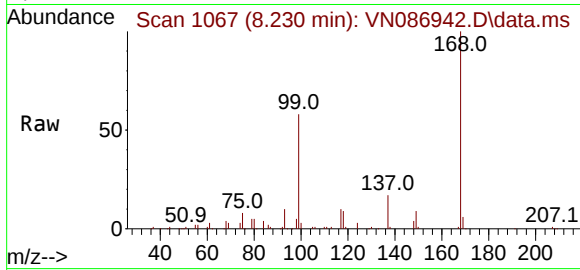




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

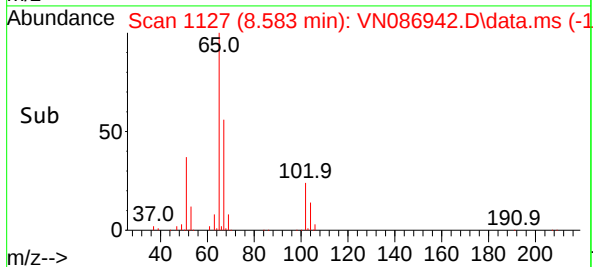
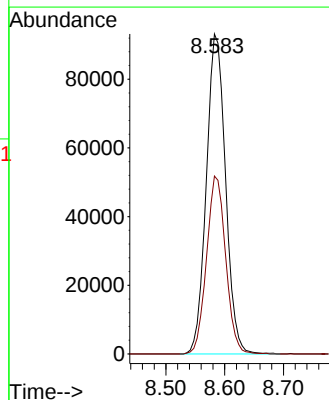
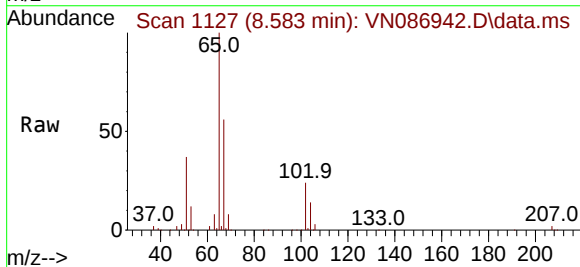
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

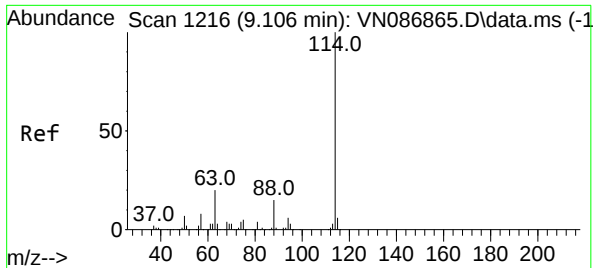
Tgt Ion:168 Resp: 328120
Ion Ratio Lower Upper
168 100
99 58.0 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 48.271 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Tgt Ion: 65 Resp: 212062
Ion Ratio Lower Upper
65 100
67 55.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086942.D

Acq: 11 Jun 2025 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBL01

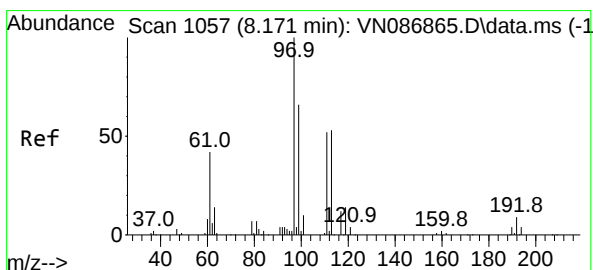
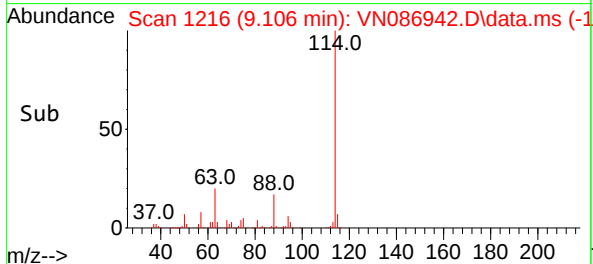
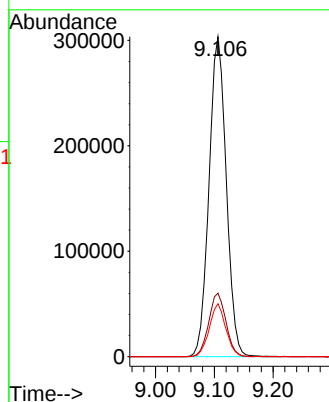
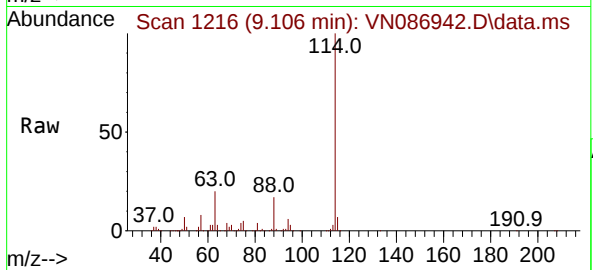
Tgt Ion:114 Resp: 618651

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 16.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.287 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086942.D

Acq: 11 Jun 2025 12:28

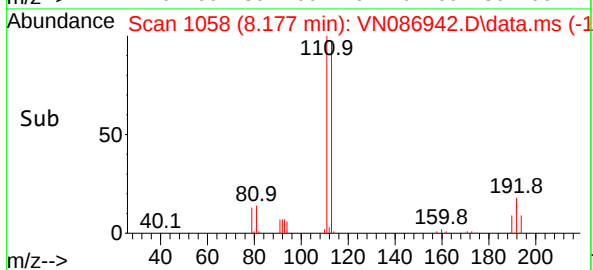
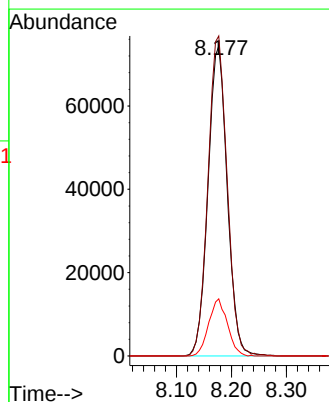
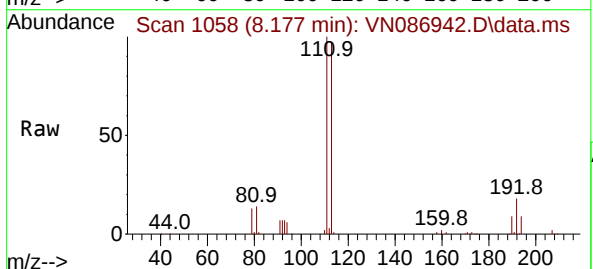
Tgt Ion:113 Resp: 180701

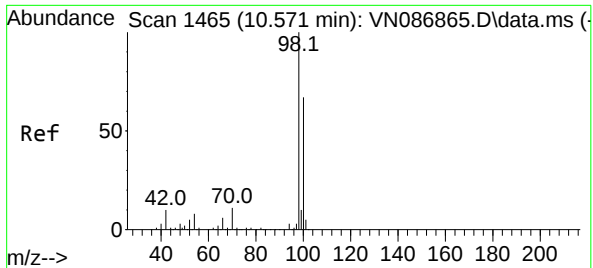
Ion Ratio Lower Upper

113 100

111 103.1 84.2 126.2

192 18.0 14.2 21.4

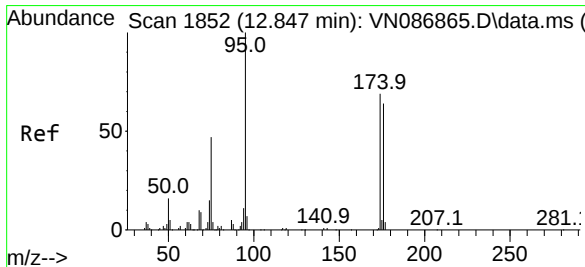
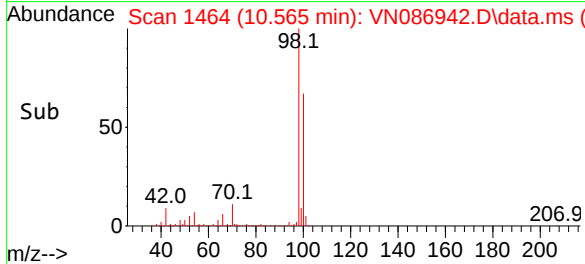
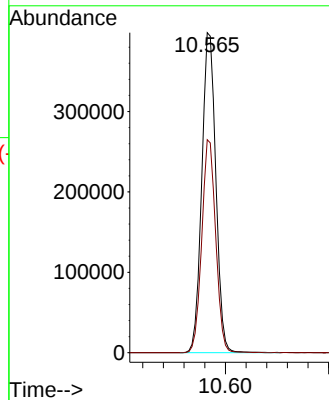
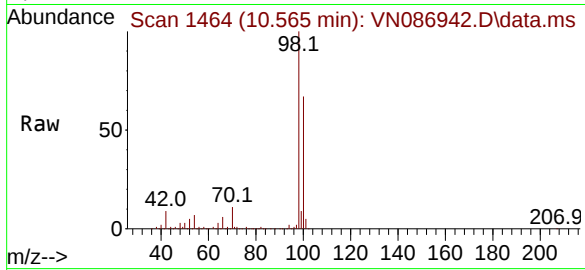




#50
Toluene-d8
Concen: 51.673 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

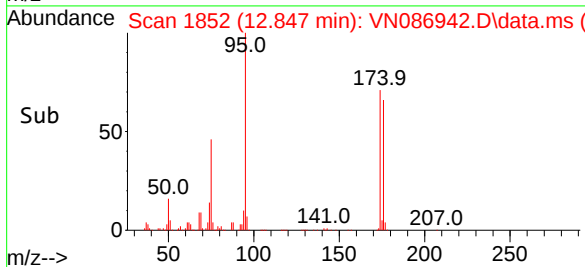
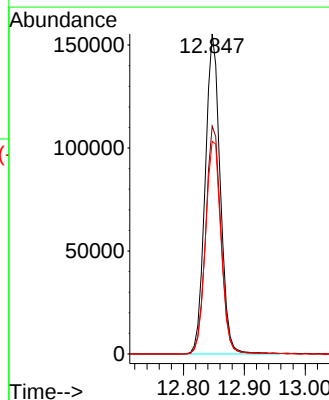
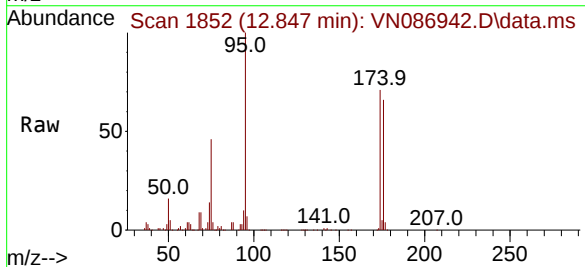
Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

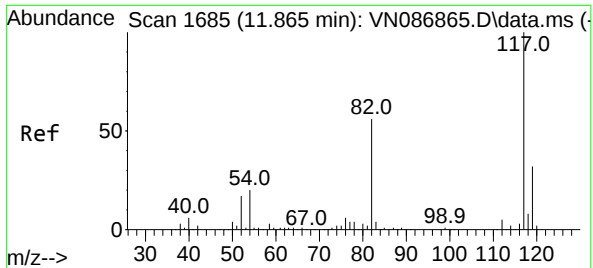
Tgt Ion: 98 Resp: 749967
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Tgt Ion: 95 Resp: 266545
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.8
176 68.8 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: VN086942.D

Acq: 11 Jun 2025 12:28

Instrument :

MSVOA_N

ClientSampleId :

VN0611WBL01

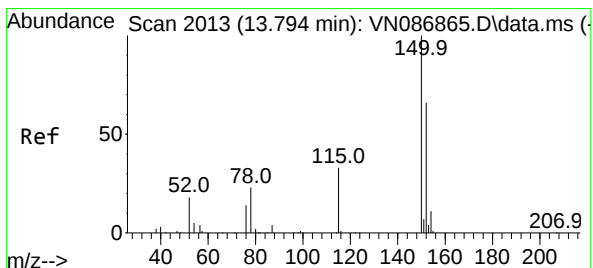
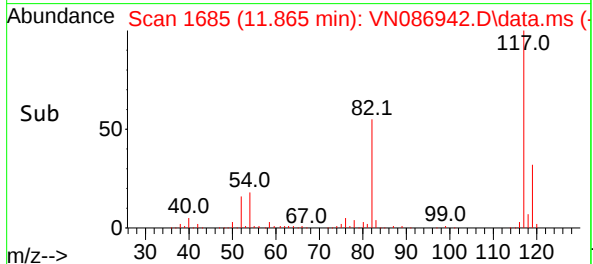
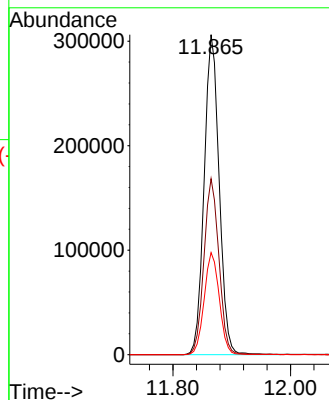
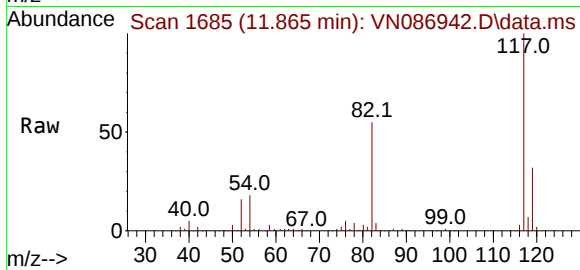
Tgt Ion:117 Resp: 543433

Ion Ratio Lower Upper

117 100

82 55.0 44.6 67.0

119 31.9 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: VN086942.D

Acq: 11 Jun 2025 12:28

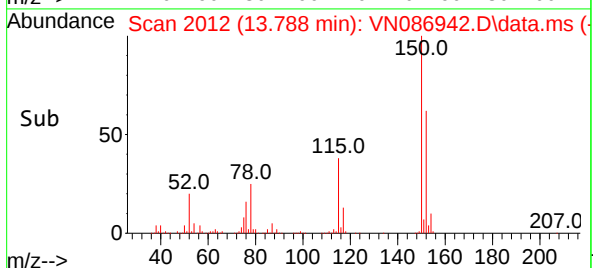
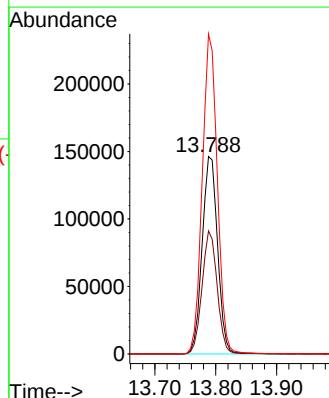
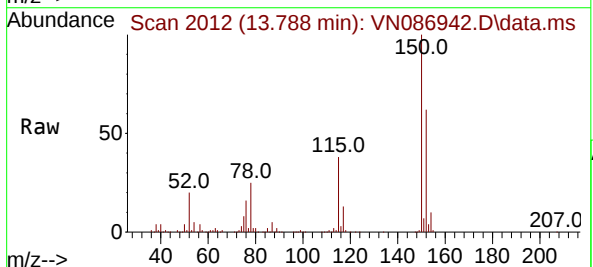
Tgt Ion:152 Resp: 257257

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.5

150 157.9 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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: VN086942.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	1047	1058	1062	rBV	233085	565978	30.02%	5.919%
2	8.230	1062	1067	1080	rVB	416474	938498	49.77%	9.815%
3	8.583	1118	1127	1138	rBV	260361	595602	31.59%	6.229%
4	9.106	1207	1216	1229	rVB	670915	1364473	72.36%	14.270%
5	10.565	1456	1464	1474	rBV	997779	1885613	100.00%	19.720%
6	11.865	1677	1685	1698	rBV	876609	1557898	82.62%	16.293%
7	12.847	1844	1852	1864	rBV	669132	1151656	61.08%	12.044%
8	13.788	2005	2012	2022	rBV	873448	1502092	79.66%	15.709%

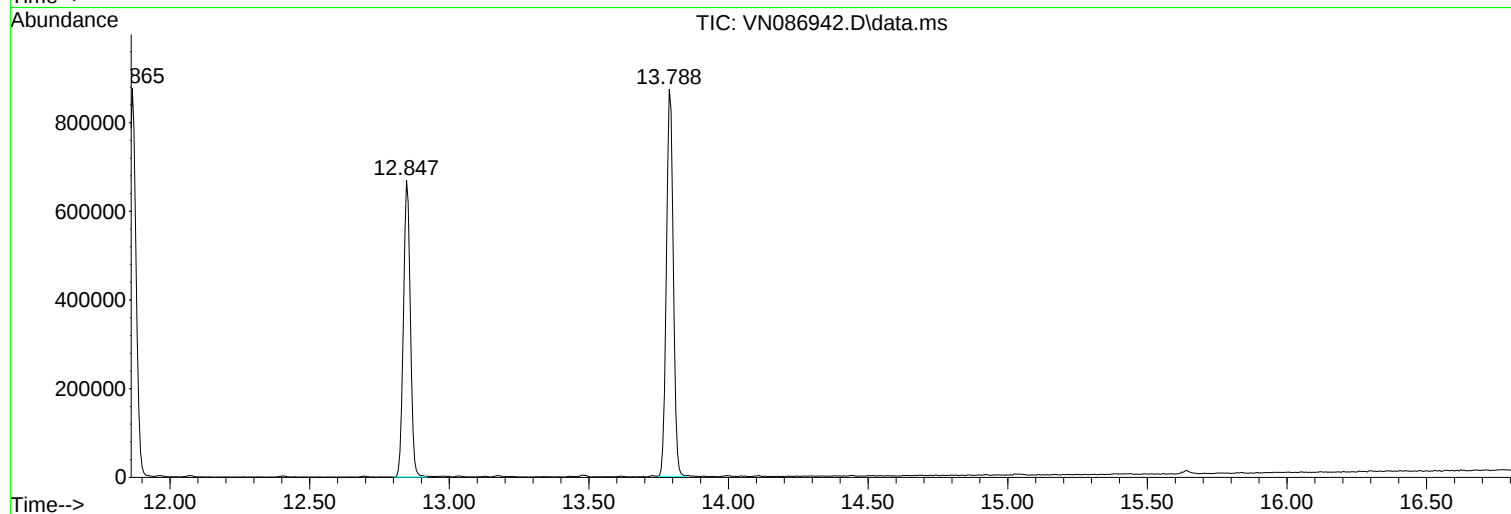
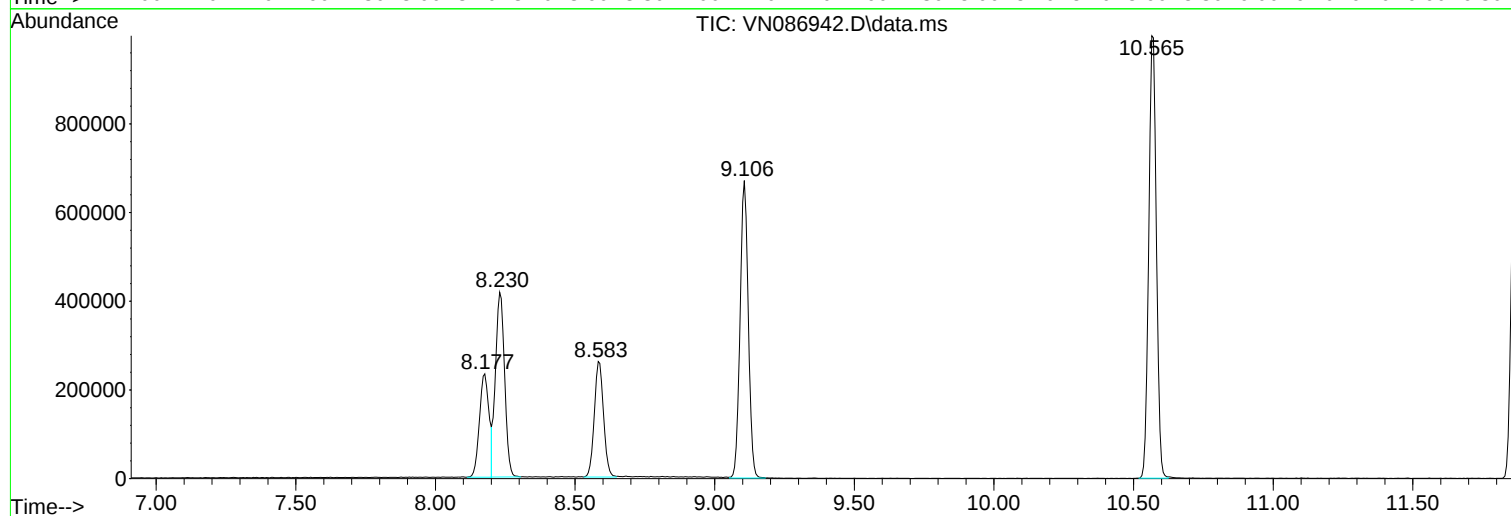
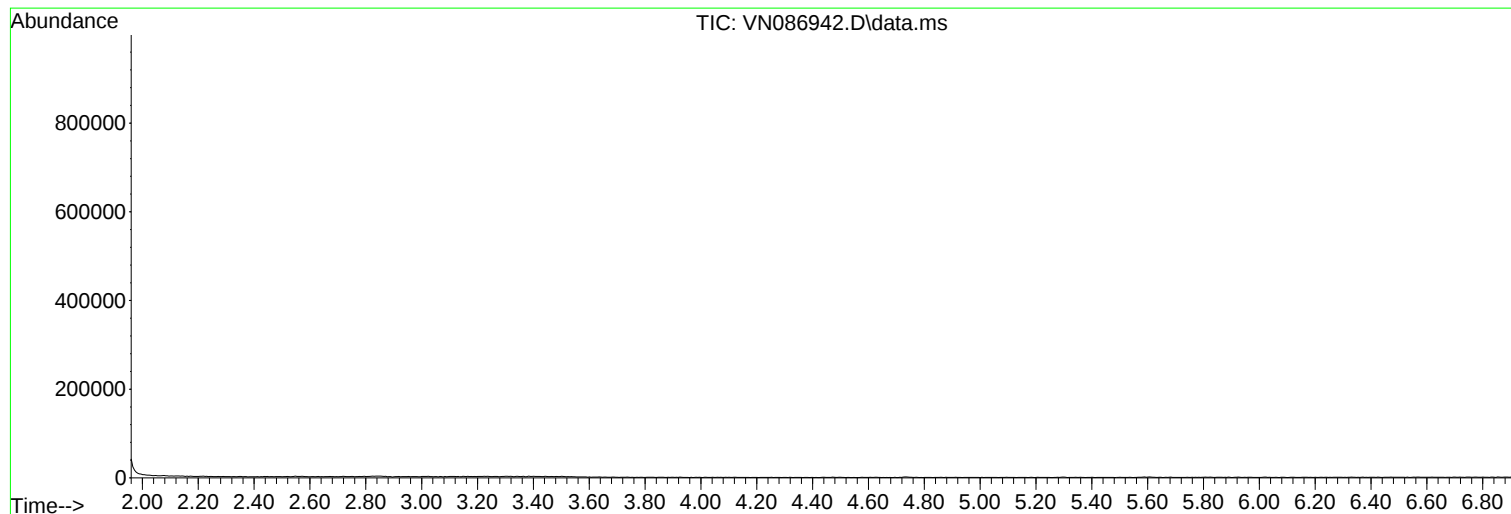
Sum of corrected areas: 9561810

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

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

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

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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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086944.D
 Acq On : 11 Jun 2025 13:27
 Operator : JC\MD
 Sample : VN0611WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS02

Manual Integrations APPROVED

Reviewed By : John Carlone 06/12/2025
 Supervised By : Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 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	8.235	168	206799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	130342	47.075	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.160%		
35) Dibromofluoromethane	8.177	113	112198	51.096	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.200%		
50) Toluene-d8	10.571	98	423380	48.706	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.420%		
62) 4-Bromofluorobenzene	12.847	95	161321	49.951	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.900%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.153	85	40672	19.725	ug/l	100
3) Chloromethane	2.401	50	42812	16.079	ug/l	97
4) Vinyl Chloride	2.553	62	51780	18.852	ug/l	95
5) Bromomethane	3.000	94	25577	16.641	ug/l	90
6) Chloroethane	3.153	64	34500	19.446	ug/l	99
7) Trichlorofluoromethane	3.530	101	68752	19.159	ug/l	99
8) Diethyl Ether	3.983	74	30914	19.772	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.400	101	44117	19.568	ug/l	99
10) Methyl Iodide	4.612	142	36924	12.634	ug/l	100
11) Tert butyl alcohol	5.541	59	69743	92.831	ug/l	99
12) 1,1-Dichloroethene	4.365	96	44269	19.233	ug/l	97
13) Acrolein	4.206	56	22290	93.730	ug/l	98
14) Allyl chloride	5.047	41	68027	17.821	ug/l	97
15) Acrylonitrile	5.741	53	166971	95.084	ug/l	100
16) Acetone	4.447	43	145322	98.972	ug/l	98
17) Carbon Disulfide	4.742	76	113132	17.769	ug/l	100
18) Methyl Acetate	5.047	43	81357	19.013	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	163338	19.599	ug/l	98
20) Methylene Chloride	5.294	84	52196	18.988	ug/l	96
21) trans-1,2-Dichloroethene	5.812	96	47284	18.464	ug/l	95
22) Diisopropyl ether	6.688	45	155508	19.326	ug/l	97
23) Vinyl Acetate	6.618	43	653278	96.092	ug/l	98
24) 1,1-Dichloroethane	6.588	63	89930	19.421	ug/l	100
25) 2-Butanone	7.494	43	215760	90.401	ug/l	96
26) 2,2-Dichloropropane	7.500	77	78031	21.663	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	59578	19.453	ug/l	99
28) Bromochloromethane	7.824	49	45329	19.909	ug/l	95
29) Tetrahydrofuran	7.853	42	143866	92.532	ug/l	97
30) Chloroform	7.977	83	90272	19.521	ug/l	98
31) Cyclohexane	8.265	56	79050	17.603	ug/l	97
32) 1,1,1-Trichloroethane	8.182	97	74861	19.033	ug/l	97
36) 1,1-Dichloropropene	8.377	75	63577	19.431	ug/l	99
37) Ethyl Acetate	7.571	43	80415	19.306	ug/l	99
38) Carbon Tetrachloride	8.371	117	61747	19.222	ug/l	97
39) Methylcyclohexane	9.606	83	75971	16.947	ug/l	98
40) Benzene	8.612	78	206255	19.277	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086944.D
 Acq On : 11 Jun 2025 13:27
 Operator : JC\MD
 Sample : VN0611WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
 Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	42617	18.218	ug/l	93
42) 1,2-Dichloroethane	8.677	62	63379	19.530	ug/l	98
43) Isopropyl Acetate	8.694	43	126914	18.984	ug/l	98
44) Trichloroethene	9.359	130	50593	19.942	ug/l	99
45) 1,2-Dichloropropane	9.624	63	51091	19.628	ug/l	95
46) Dibromomethane	9.712	93	34741	20.093	ug/l	99
47) Bromodichloromethane	9.894	83	69845	19.634	ug/l	98
48) Methyl methacrylate	9.682	41	57757	18.771	ug/l	99
49) 1,4-Dioxane	9.706	88	22914	409.347	ug/l #	97
51) 4-Methyl-2-Pentanone	10.447	43	394396	97.997	ug/l	99
52) Toluene	10.629	92	127563	19.509	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	79224	19.917	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	85586	20.109	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	51421	20.438	ug/l	94
56) Ethyl methacrylate	10.882	69	80942	20.198	ug/l	94
57) 1,3-Dichloropropane	11.165	76	85602	19.613	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	243584	101.910	ug/l	99
59) 2-Hexanone	11.206	43	231264	89.210	ug/l	95
60) Dibromochloromethane	11.359	129	53655	20.468	ug/l	99
61) 1,2-Dibromoethane	11.471	107	50832	19.711	ug/l	99
64) Tetrachloroethene	11.106	164	38926	19.150	ug/l	98
65) Chlorobenzene	11.894	112	141721	20.006	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	46404	20.378	ug/l	99
67) Ethyl Benzene	11.965	91	239733	19.647	ug/l	100
68) m/p-Xylenes	12.070	106	185026	39.613	ug/l	99
69) o-Xylene	12.400	106	90240	20.172	ug/l	99
70) Styrene	12.412	104	154149	20.137	ug/l	99
71) Bromoform	12.582	173	35350	20.952	ug/l #	96
73) Isopropylbenzene	12.694	105	221545	19.320	ug/l	99
74) N-amyl acetate	12.529	43	63289	15.794	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	81476	20.973	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	71582m	19.132	ug/l	
77) Bromobenzene	12.982	156	55176	20.981	ug/l	98
78) n-propylbenzene	13.035	91	267384	19.187	ug/l	100
79) 2-Chlorotoluene	13.123	91	164813	19.721	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	181773	19.200	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	30121	18.532	ug/l #	82
82) 4-Chlorotoluene	13.217	91	167991	19.866	ug/l	100
83) tert-Butylbenzene	13.435	119	161593	18.646	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	182431	19.216	ug/l	98
85) sec-Butylbenzene	13.617	105	228907	18.189	ug/l	100
86) p-Isopropyltoluene	13.729	119	192991	18.551	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	104883	20.271	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	107750	20.426	ug/l	99
89) n-Butylbenzene	14.053	91	177482	17.613	ug/l	100
90) Hexachloroethane	14.329	117	33456	18.972	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	99394	19.995	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17796	19.155	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	58509	18.433	ug/l	98
94) Hexachlorobutadiene	15.500	225	19592	16.567	ug/l	97
95) Naphthalene	15.635	128	232760	19.700	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	56144	17.802	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086944.D
Acq On : 11 Jun 2025 13:27
Operator : JC\MD
Sample : VN0611WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 01:31:27 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 :
VN0611WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

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

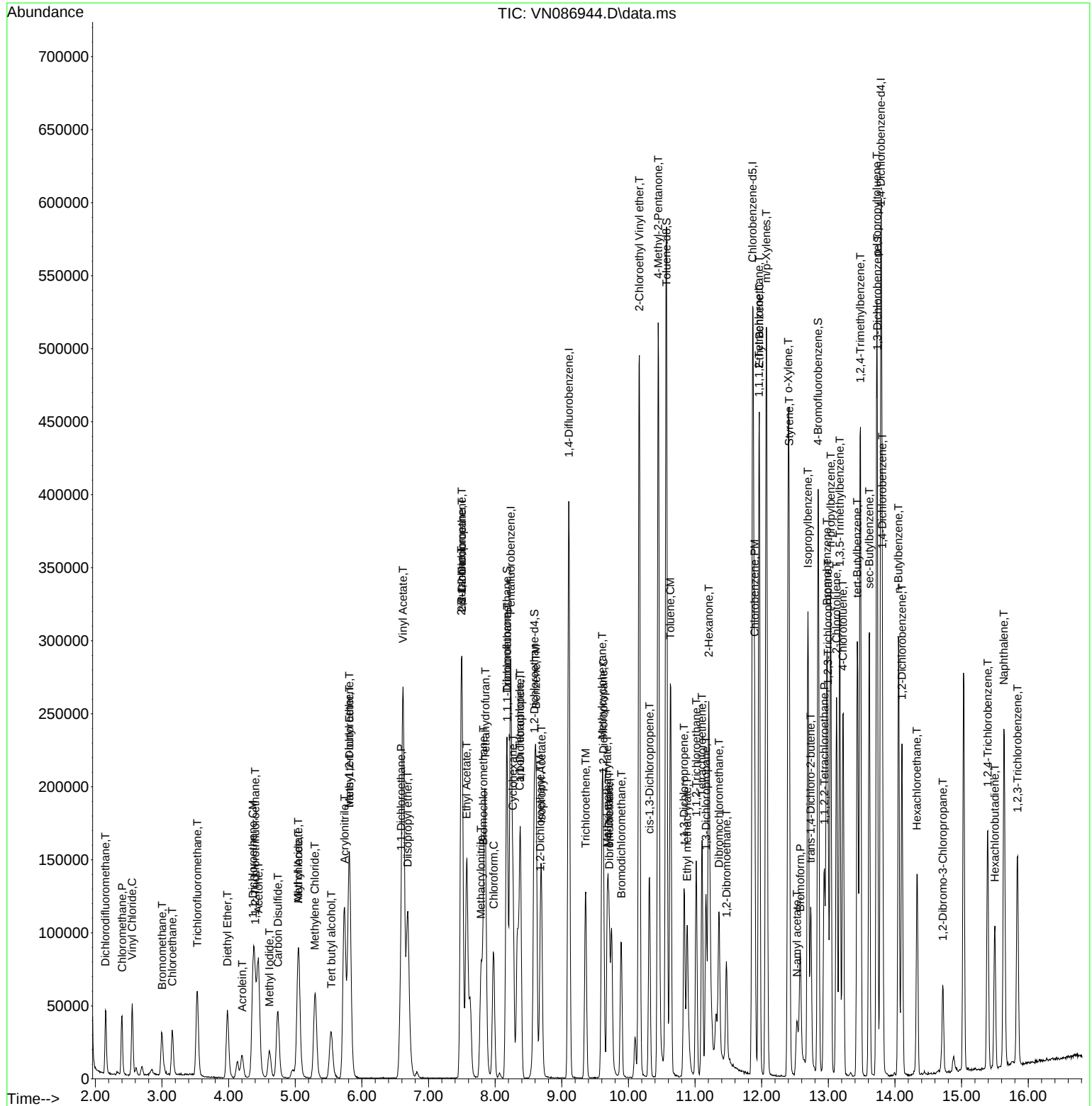
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086944.D
Acq On : 11 Jun 2025 13:27
Operator : JC\MD
Sample : VN0611WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS02

Manual Integrations

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086945.D
 Acq On : 11 Jun 2025 14:01
 Operator : JC\MD
 Sample : VN0611WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Manual Integrations APPROVED

Reviewed By : John Carlone 06/12/2025
 Supervised By : Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:32:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	199904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	354069	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	151691	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.588	65	128166	47.886	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.780%
35) Dibromofluoromethane	8.177	113	109657	52.260	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.520%
50) Toluene-d8	10.571	98	411227	49.506	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.847	95	154682	50.121	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.240%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.153	85	38145	19.138	ug/l	96
3) Chloromethane	2.400	50	39948	15.521	ug/l	99
4) Vinyl Chloride	2.553	62	49695	18.717	ug/l	97
5) Bromomethane	3.000	94	24041	16.181	ug/l	95
6) Chloroethane	3.153	64	32368	18.874	ug/l	100
7) Trichlorofluoromethane	3.530	101	66071	19.047	ug/l	96
8) Diethyl Ether	3.977	74	29872	19.765	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.394	101	40831	18.735	ug/l	97
10) Methyl Iodide	4.612	142	36500	12.919	ug/l	100
11) Tert butyl alcohol	5.541	59	71180	98.012	ug/l	100
12) 1,1-Dichloroethene	4.365	96	42515	19.108	ug/l	92
13) Acrolein	4.200	56	22554	98.112	ug/l	100
14) Allyl chloride	5.053	41	65845	17.844	ug/l	98
15) Acrylonitrile	5.736	53	167429	98.634	ug/l	100
16) Acetone	4.447	43	131189	92.428	ug/l	97
17) Carbon Disulfide	4.736	76	105790	17.189	ug/l	98
18) Methyl Acetate	5.047	43	83025	20.072	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	162549	20.177	ug/l	99
20) Methylene Chloride	5.300	84	50840	19.132	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	46018	18.589	ug/l	99
22) Diisopropyl ether	6.688	45	152785	19.643	ug/l	98
23) Vinyl Acetate	6.618	43	656574	99.908	ug/l	98
24) 1,1-Dichloroethane	6.588	63	86331	19.287	ug/l	99
25) 2-Butanone	7.494	43	218999	94.923	ug/l	99
26) 2,2-Dichloropropane	7.506	77	74316	21.343	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	57947	19.573	ug/l	97
28) Bromochloromethane	7.824	49	46411	21.088	ug/l	97
29) Tetrahydrofuran	7.853	42	145366	96.721	ug/l	98
30) Chloroform	7.977	83	86604	19.374	ug/l	100
31) Cyclohexane	8.265	56	74510	17.164	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	71441	18.790	ug/l	98
36) 1,1-Dichloropropene	8.382	75	60912	19.481	ug/l	99
37) Ethyl Acetate	7.571	43	80010	20.102	ug/l	99
38) Carbon Tetrachloride	8.371	117	59839	19.494	ug/l	96
39) Methylcyclohexane	9.606	83	71058	16.588	ug/l	97
40) Benzene	8.612	78	200940	19.653	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086945.D
 Acq On : 11 Jun 2025 14:01
 Operator : JC\MD
 Sample : VN0611WBSD02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0611WBSD02

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/12/2025
 Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:32:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	46047	20.600	ug/l	98
42) 1,2-Dichloroethane	8.677	62	63066	20.336	ug/l	100
43) Isopropyl Acetate	8.694	43	127320	19.930	ug/l	99
44) Trichloroethene	9.359	130	48830	20.141	ug/l	97
45) 1,2-Dichloropropane	9.624	63	49815	20.027	ug/l	95
46) Dibromomethane	9.712	93	35176	21.290	ug/l	99
47) Bromodichloromethane	9.894	83	70222	20.658	ug/l	99
48) Methyl methacrylate	9.688	41	56099	19.079	ug/l	95
49) 1,4-Dioxane	9.700	88	24300	454.282	ug/l #	93
51) 4-Methyl-2-Pentanone	10.447	43	399735	103.940	ug/l	99
52) Toluene	10.629	92	124298	19.893	ug/l	100
53) t-1,3-Dichloropropene	10.841	75	78850	20.744	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	84225	20.709	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	50307	20.924	ug/l	97
56) Ethyl methacrylate	10.882	69	79449	20.747	ug/l	97
57) 1,3-Dichloropropane	11.165	76	85222	20.434	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	241856	105.889	ug/l	99
59) 2-Hexanone	11.206	43	232463	93.840	ug/l	95
60) Dibromochloromethane	11.359	129	53154	21.220	ug/l	100
61) 1,2-Dibromoethane	11.470	107	51056	20.718	ug/l	99
64) Tetrachloroethene	11.106	164	36363	18.499	ug/l	98
65) Chlorobenzene	11.894	112	138224	20.178	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	45014	20.442	ug/l	99
67) Ethyl Benzene	11.965	91	227138	19.250	ug/l	100
68) m/p-Xylenes	12.070	106	178421	39.501	ug/l	98
69) o-Xylene	12.400	106	86537	20.004	ug/l	100
70) Styrene	12.412	104	152236	20.565	ug/l	98
71) Bromoform	12.582	173	36528	22.388	ug/l #	98
73) Isopropylbenzene	12.694	105	213019	19.276	ug/l	100
74) N-amyl acetate	12.529	43	69705	18.051	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.935	83	81389	21.740	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	71147m	19.732	ug/l	
77) Bromobenzene	12.976	156	54030	21.319	ug/l	98
78) n-propylbenzene	13.035	91	257426	19.168	ug/l	99
79) 2-Chlorotoluene	13.123	91	157627	19.571	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	175428	19.228	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	29703	18.963	ug/l	95
82) 4-Chlorotoluene	13.223	91	162421	19.931	ug/l	100
83) tert-Butylbenzene	13.435	119	156588	18.749	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	177241	19.373	ug/l	99
85) sec-Butylbenzene	13.611	105	219639	18.109	ug/l	99
86) p-Isopropyltoluene	13.729	119	182853	18.238	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	102302	20.517	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	103614	20.382	ug/l	98
89) n-Butylbenzene	14.053	91	171576	17.668	ug/l	99
90) Hexachloroethane	14.329	117	31966	18.810	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	98864	20.638	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	18610	20.786	ug/l	99
93) 1,2,4-Trichlorobenzene	15.388	180	57083	18.660	ug/l	99
94) Hexachlorobutadiene	15.500	225	17672	15.506	ug/l	98
95) Naphthalene	15.635	128	230927	20.281	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	55026	18.105	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086945.D
Acq On : 11 Jun 2025 14:01
Operator : JC\MD
Sample : VN0611WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 12 01:32:16 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 :
VN0611WBSD02

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

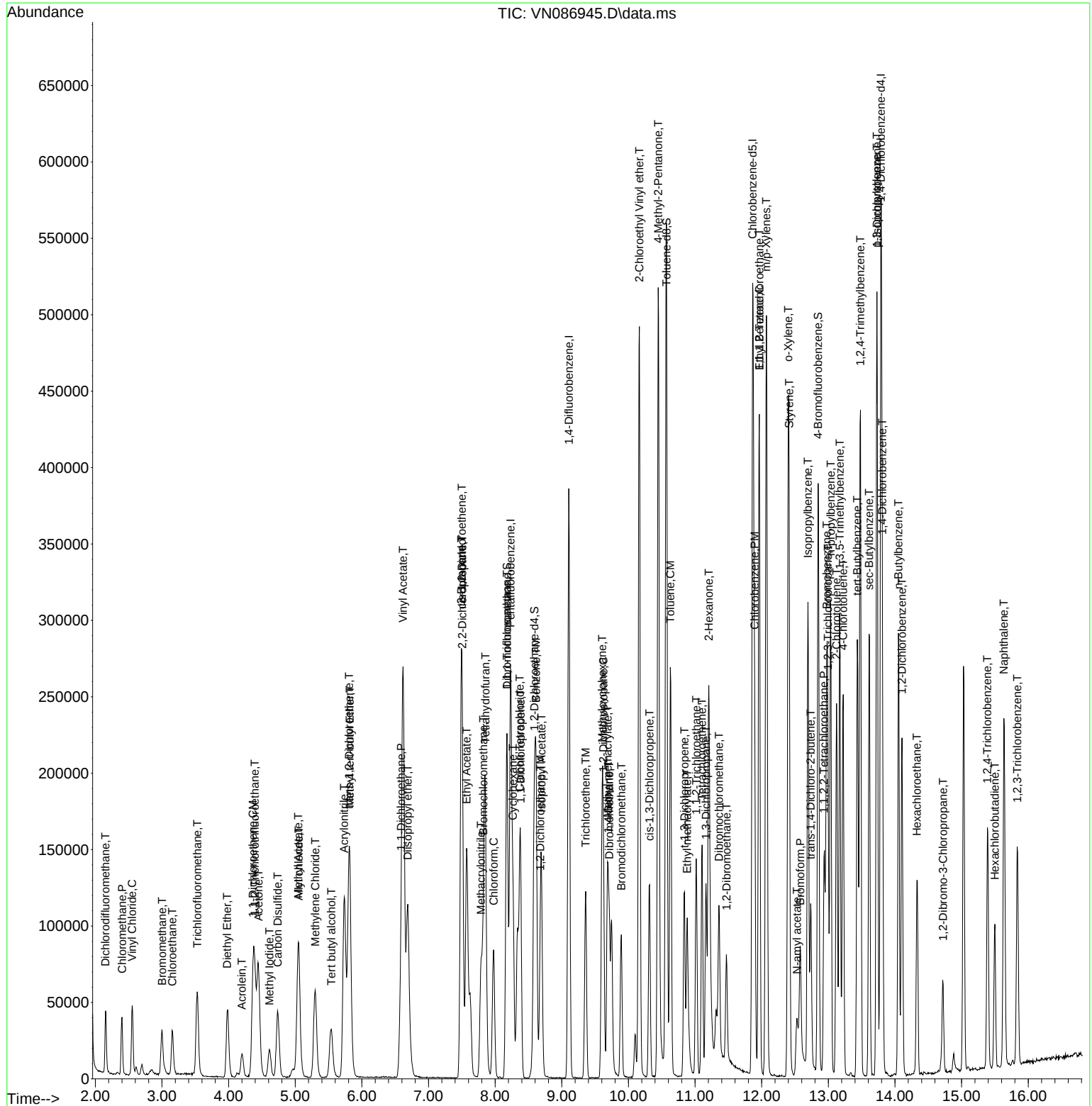
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBSD02

Manual Integrations

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



Manual Integration Report

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



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

Manual Integration Report

Sequence:

vn060625

Instrument

MSVOA_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

vn061125

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086940.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:47:09 AM	Sam	6/12/2025 3:54:50 PM	Peak Integrated by Software
VN0611WBS02	VN086944.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:47:21 AM	Sam	6/12/2025 3:54:50 PM	Peak Integrated by Software
VN0611WBSD0 2	VN086945.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:47:26 AM	Sam	6/12/2025 3:54:52 PM	Peak Integrated by Software
VSTDCCC050	VN086965.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:53:57 AM	Sam	6/12/2025 3:54:56 PM	Peak Integrated by Software

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

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

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

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

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

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM
SubDirectory	VN061125	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134284		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134285,VP134286		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086939.D	11 Jun 2025 10:22	JC\MD	Ok
2	VSTDCCC050	VN086940.D	11 Jun 2025 11:32	JC\MD	Ok,M
3	VN0611MBL01	VN086941.D	11 Jun 2025 12:06	JC\MD	Ok
4	VN0611WBL01	VN086942.D	11 Jun 2025 12:28	JC\MD	Ok
5	VN0611WBS01	VN086943.D	11 Jun 2025 12:50	JC\MD	Not Ok
6	VN0611WBS02	VN086944.D	11 Jun 2025 13:27	JC\MD	Ok,M
7	VN0611WBSD02	VN086945.D	11 Jun 2025 14:01	JC\MD	Ok,M
8	Q2251-06	VN086946.D	11 Jun 2025 14:22	JC\MD	Ok
9	Q2202-03DL	VN086947.D	11 Jun 2025 14:44	JC\MD	Ok,M
10	Q2250-01DL	VN086948.D	11 Jun 2025 15:06	JC\MD	Ok
11	Q2202-06	VN086949.D	11 Jun 2025 15:28	JC\MD	Ok
12	Q2189-01	VN086950.D	11 Jun 2025 15:50	JC\MD	Ok
13	Q2202-05	VN086951.D	11 Jun 2025 16:12	JC\MD	Ok
14	Q2202-04	VN086952.D	11 Jun 2025 16:35	JC\MD	Ok
15	Q2231-01	VN086953.D	11 Jun 2025 16:57	JC\MD	Ok
16	Q2231-02	VN086954.D	11 Jun 2025 17:19	JC\MD	Ok,M
17	Q2231-03	VN086955.D	11 Jun 2025 17:41	JC\MD	Ok
18	Q2231-04	VN086956.D	11 Jun 2025 18:04	JC\MD	Ok
19	Q2231-05	VN086957.D	11 Jun 2025 18:26	JC\MD	Ok
20	Q2231-06	VN086958.D	11 Jun 2025 18:48	JC\MD	Ok
21	Q2210-01	VN086959.D	11 Jun 2025 19:10	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM
SubDirectory	VN061125	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134284		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134285,VP134286		

22	Q2209-01	VN086960.D	11 Jun 2025 19:33	JC\MD	Ok
23	IBLK	VN086961.D	11 Jun 2025 19:55	JC\MD	Ok
24	IBLK	VN086962.D	11 Jun 2025 20:17	JC\MD	Ok
25	Q2263-01	VN086963.D	11 Jun 2025 20:39	JC\MD	Ok
26	Q2263-02	VN086964.D	11 Jun 2025 21:01	JC\MD	Ok
27	VSTDCCC050	VN086965.D	11 Jun 2025 21:23	JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM
Supervise By	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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN060625

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

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

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM
SubDirectory	VN061125	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134284		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134285,VP134286		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086939.D	11 Jun 2025 10:22		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086940.D	11 Jun 2025 11:32	pH#Lot#V12668	JC\MD	Ok,M
3	VN0611MBL01	VN0611MBL01	VN086941.D	11 Jun 2025 12:06		JC\MD	Ok
4	VN0611WBL01	VN0611WBL01	VN086942.D	11 Jun 2025 12:28		JC\MD	Ok
5	VN0611WBS01	VN0611WBS01	VN086943.D	11 Jun 2025 12:50	Recovery fail	JC\MD	Not Ok
6	VN0611WBS02	VN0611WBS02	VN086944.D	11 Jun 2025 13:27		JC\MD	Ok,M
7	VN0611WBSD02	VN0611WBSD02	VN086945.D	11 Jun 2025 14:01		JC\MD	Ok,M
8	Q2251-06	VPB182-HYD-2025060	VN086946.D	11 Jun 2025 14:22	vial A pH<2	JC\MD	Ok
9	Q2202-03DL	MW-12-20250603DL	VN086947.D	11 Jun 2025 14:44	vial B pH<2	JC\MD	Ok,M
10	Q2250-01DL	MW-11A-13.5-060525D	VN086948.D	11 Jun 2025 15:06	vial B pH<2	JC\MD	Ok
11	Q2202-06	TB-20250603	VN086949.D	11 Jun 2025 15:28	vial A pH<2 TB	JC\MD	Ok
12	Q2189-01	MW-7-20250602	VN086950.D	11 Jun 2025 15:50	vial B pH<2	JC\MD	Ok
13	Q2202-05	MW-1A-20250603	VN086951.D	11 Jun 2025 16:12	vial A pH<2	JC\MD	Ok
14	Q2202-04	MW-130-20250603	VN086952.D	11 Jun 2025 16:35	vial A pH<2	JC\MD	Ok
15	Q2231-01	MW-10D-20250604	VN086953.D	11 Jun 2025 16:57	vial A pH<2	JC\MD	Ok
16	Q2231-02	MW-14-20250604	VN086954.D	11 Jun 2025 17:19	vial A pH<2	JC\MD	Ok,M
17	Q2231-03	MW-15-20250604	VN086955.D	11 Jun 2025 17:41	vial A pH<2	JC\MD	Ok
18	Q2231-04	MW-16D-20250604	VN086956.D	11 Jun 2025 18:04	vial A pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM
SubDirectory	VN061125	HP Acquire Method	HP Processing Method 82N060625W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134284		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134285,VP134286		

19	Q2231-05	MW-17-20250604	VN086957.D	11 Jun 2025 18:26	vial A pH<2	JC\MD	Ok
20	Q2231-06	TB-20250604	VN086958.D	11 Jun 2025 18:48	vial A pH<2 TB	JC\MD	Ok
21	Q2210-01	TW1	VN086959.D	11 Jun 2025 19:10	vial A pH<2	JC\MD	Ok
22	Q2209-01	P01W	VN086960.D	11 Jun 2025 19:33	vial A pH<2	JC\MD	Ok
23	IBLK	IBLK	VN086961.D	11 Jun 2025 19:55		JC\MD	Ok
24	IBLK	IBLK	VN086962.D	11 Jun 2025 20:17		JC\MD	Ok
25	Q2263-01	RW9-MW01D3-202506	VN086963.D	11 Jun 2025 20:39	vial A pH<2	JC\MD	Ok
26	Q2263-02	RW9-MW01D3-202506	VN086964.D	11 Jun 2025 21:01	vial A pH<2	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN086965.D	11 Jun 2025 21:23		JC\MD	Ok,M

M : Manual Integration



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

LAB CHRONICLE

OrderID:	Q2209	OrderDate:	6/4/2025 1:52:00 PM
Client:	G Environmental	Project:	Power
Contact:	Gary Landis	Location:	N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2209-01	P01W	Water	VOCMS Group1	8260-Low	06/04/25		06/11/25	06/04/25