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

Hit Summary Sheet
SW-846

SDG No.: Q1690

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW112010**								
Q1690-01	MW112010	Water	Acetone		35.6		1.50	25.0	ug/L
Q1690-01	MW112010	Water	Methyl Acetate		9.70		0.27	5.00	ug/L
			Total Voc :		45.3				
Q1690-01	MW112010	Water	unknown16.558	*	11.5	J	0	0	ug/L
Q1690-01	MW112010	Water	1-Decanol	*	22.9	J	0	0	ug/L
Q1690-01	MW112010	Water	Cyclooctane	*	12.0	J	0	0	ug/L
Q1690-01	MW112010	Water	Cyclododecane	*	26.2	J	0	0	ug/L
			Total Tics :		72.6				
			Total Concentration:		118				

SAMPLE DATA

Raw Data: **VN086198.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086198.D	1		04/01/25 16:01	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	35.6		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	9.70		0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	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	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.14	U	0.14	5.00	ug/L

Raw Data: **VN086198.D**

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

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086198.D	1		04/01/25 16:01	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.7		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	8.224			
540-36-3	1,4-Difluorobenzene	278000	9.1			
3114-55-4	Chlorobenzene-d5	257000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.788			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN086198.D**

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

Client:	G Environmental	Date Collected:	03/31/25
Project:	TGP	Date Received:	04/01/25
Client Sample ID:	MW112010	SDG No.:	Q1690
Lab Sample ID:	Q1690-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086198.D	1		04/01/25 16:01	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000292-64-8	Cyclooctane	12.0	J		14.2	ug/L
000294-62-2	Cyclododecane	26.2	J		14.3	ug/L
000112-30-1	1-Decanol	22.9	J		16.0	ug/L
	unknown16.558	11.5	J		16.6	ug/L

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

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

QC SUMMARY

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

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1690-01	MW112010	1,2-Dichloroethane-d4	50	57.7	115	70 (74)	130 (125)
		Dibromofluoromethane	50	49.2	98	70 (75)	130 (124)
		Toluene-d8	50	49.5	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104	70 (77)	130 (121)
VN0401WBL01	VN0401WBL01	1,2-Dichloroethane-d4	50	60.5	121	70 (74)	130 (125)
		Dibromofluoromethane	50	53.9	108	70 (75)	130 (124)
		Toluene-d8	50	47.4	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.8	88	70 (77)	130 (121)
VN0401WBS01	VN0401WBS01	1,2-Dichloroethane-d4	50	52.1	104	70 (74)	130 (125)
		Dibromofluoromethane	50	49.4	99	70 (75)	130 (124)
		Toluene-d8	50	49.7	99	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)
VN0401WBSD0	VN0401WBSD01	1,2-Dichloroethane-d4	50	54.0	108	70 (74)	130 (125)
		Dibromofluoromethane	50	47.4	95	70 (75)	130 (124)
		Toluene-d8	50	48.3	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086194.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0401WBS01	Dichlorodifluoromethane	20	24.5	ug/L	123			40 (69)	160 (116)	
	Chloromethane	20	20.0	ug/L	100			40 (65)	160 (116)	
	Vinyl chloride	20	22.0	ug/L	110			70 (65)	130 (117)	
	Bromomethane	20	20.2	ug/L	101			40 (58)	160 (125)	
	Chloroethane	20	20.0	ug/L	100			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.2	ug/L	101			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.2	ug/L	91			70 (74)	130 (110)	
	Acetone	100	82.0	ug/L	82			40 (60)	160 (125)	
	Carbon disulfide	20	16.8	ug/L	84			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.2	ug/L	91			70 (78)	130 (114)	
	Methyl Acetate	20	16.5	ug/L	83			70 (67)	130 (125)	
	Methylene Chloride	20	18.2	ug/L	91			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.3	ug/L	92			70 (78)	130 (112)	
	Cyclohexane	20	17.1	ug/L	86			70 (75)	130 (110)	
	2-Butanone	100	84.1	ug/L	84			40 (65)	160 (122)	
	Carbon Tetrachloride	20	22.0	ug/L	110			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.3	ug/L	92			70 (77)	130 (110)	
	Bromochloromethane	20	20.5	ug/L	103			70 (70)	130 (124)	
	Chloroform	20	20.0	ug/L	100			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.9	ug/L	104			70 (80)	130 (108)	
	Methylcyclohexane	20	18.1	ug/L	91			70 (72)	130 (115)	
	Benzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.6	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	18.8	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.2	ug/L	96			70 (83)	130 (111)	
	Bromodichloromethane	20	20.6	ug/L	103			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	98.4	ug/L	98			40 (74)	160 (118)	
	Toluene	20	21.3	ug/L	106			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.3	ug/L	97			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.6	ug/L	98			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.8	ug/L	104			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	21.3	ug/L	106			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.0	ug/L	100			70 (81)	130 (110)	
	Tetrachloroethene	20	20.0	ug/L	100			70 (67)	130 (123)	
	Chlorobenzene	20	18.4	ug/L	92			70 (82)	130 (109)	
	Ethyl Benzene	20	18.6	ug/L	93			70 (83)	130 (109)	
	m/p-Xylenes	40	39.7	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	19.8	ug/L	99			70 (83)	130 (109)	
	Styrene	20	19.5	ug/L	98			70 (80)	130 (111)	
	Bromoform	20	19.8	ug/L	99			70 (79)	130 (109)	
	Isopropylbenzene	20	17.7	ug/L	89			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.0	ug/L	85			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.6	ug/L	88			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.7	ug/L	89			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086194.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0401WBS01	1,2-Dibromo-3-Chloropropane	20	17.8	ug/L	89			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	15.4	ug/L	77			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.0	ug/L	85			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086195.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0401WBSD01	Dichlorodifluoromethane	20	22.5	ug/L	113	8		40 (69)	160 (116)	20 (20)
	Chloromethane	20	21.5	ug/L	108	8		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	20.7	ug/L	104	6		70 (65)	130 (117)	20 (20)
	Bromomethane	20	20.6	ug/L	103	2		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.4	ug/L	92	8		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	17.6	ug/L	88	14		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	17.0	ug/L	85	13		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	15.2	ug/L	76	18		70 (74)	130 (110)	20 (20)
	Acetone	100	75.7	ug/L	76	8		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	14.6	ug/L	73	14		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	17.6	ug/L	88	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	16.3	ug/L	81	2		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	17.0	ug/L	85	7		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	16.2	ug/L	81	16		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	17.0	ug/L	85	8		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	15.8	ug/L	79	8		70 (75)	130 (110)	20 (20)
	2-Butanone	100	81.3	ug/L	81	4		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.9	ug/L	100	10		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	17.4	ug/L	87	6		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	21.0	ug/L	105	2		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.1	ug/L	96	4		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.5	ug/L	98	6		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.0	ug/L	85	7		70 (72)	130 (115)	20 (20)
	Benzene	20	18.5	ug/L	93	4		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.1	ug/L	101	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.6	ug/L	88	7		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.1	ug/L	96	0		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	20.4	ug/L	102	1		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	96.0	ug/L	96	2		40 (74)	160 (118)	20 (20)
	Toluene	20	19.7	ug/L	99	7		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.4	ug/L	97	0		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	18.7	ug/L	94	4		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	19.8	ug/L	99	5		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	93.5	ug/L	94	6		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	20.5	ug/L	103	3		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.7	ug/L	99	1		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.0	ug/L	95	5		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	17.7	ug/L	89	3		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	17.0	ug/L	85	9		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	35.1	ug/L	88	12		70 (82)	130 (110)	20 (20)
	o-Xylene	20	17.8	ug/L	89	11		70 (83)	130 (109)	20 (20)
	Styrene	20	18.0	ug/L	90	9		70 (80)	130 (111)	20 (20)
	Bromoform	20	19.2	ug/L	96	3		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	16.5	ug/L	83	7		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	17.1	ug/L	86	1		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	17.3	ug/L	86	5		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	16.4	ug/L	82	7		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	16.8	ug/L	84	6		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1690

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VN086195.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0401WBSD01	1,2-Dibromo-3-Chloropropane	20	17.4	ug/L	87	2		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	15.0	ug/L	75	3		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	15.6	ug/L	78	9		70 (76)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0401WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN086193.D Lab Sample ID: VN0401WBL01

Date Analyzed: 04/01/2025 Time Analyzed: 13:29

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
VN0401WBS01	VN0401WBS01	VN086194.D	04/01/2025
VN0401WBSD01	VN0401WBSD01	VN086195.D	04/01/2025
MW112010	Q1690-01	VN086198.D	04/01/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN085994.D BFB Injection Date: 03/18/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:52

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	15.2
75	30.0 - 60.0% of mass 95	52.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	87.1
175	5.0 - 9.0% of mass 174	6.7 (7.7) 1
176	95.0 - 101.0% of mass 174	83.7 (96.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.4) 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
VSTDICC100	VSTDICC100	VN085996.D	03/18/2025	11:44
VSTDICCC050	VSTDICCC050	VN085997.D	03/18/2025	12:08
VSTDICC020	VSTDICC020	VN085998.D	03/18/2025	12:32
VSTDICC010	VSTDICC010	VN085999.D	03/18/2025	12:57
VSTDICC005	VSTDICC005	VN086000.D	03/18/2025	13:21
VSTDICC001	VSTDICC001	VN086001.D	03/18/2025	14:09

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN086190.D BFB Injection Date: 04/01/2025

Instrument ID: MSVOA_N BFB Injection Time: 11:41

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.2
75	30.0 - 60.0% of mass 95	45.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.2 (1.5) 1
174	50.0 - 100.0% of mass 95	79.6
175	5.0 - 9.0% of mass 174	5.7 (7.1) 1
176	95.0 - 101.0% of mass 174	76.2 (95.8) 1
177	5.0 - 9.0% of mass 176	5.4 (7.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086191.D	04/01/2025	12:30
VN0401WBL01	VN0401WBL01	VN086193.D	04/01/2025	13:29
VN0401WBS01	VN0401WBS01	VN086194.D	04/01/2025	13:54
VN0401WBSD01	VN0401WBSD01	VN086195.D	04/01/2025	14:48
MW112010	Q1690-01	VN086198.D	04/01/2025	16:01

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN086191.D Date Analyzed: 04/01/2025

Instrument ID: MSVOA_N Time Analyzed: 12:30

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	131862	8.22	204993	9.10	195897	11.87
UPPER LIMIT	263724	8.724	409986	9.6	391794	12.365
LOWER LIMIT	65931	7.724	102497	8.6	97948.5	11.365
EPA SAMPLE NO.						
MW112010	155880	8.22	278463	9.10	256873	11.87
VN0401WBL01	103379	8.22	183913	9.10	165471	11.87
VN0401WBS01	124765	8.22	197440	9.10	188658	11.87
VN0401WBSD01	113137	8.22	183169	9.10	166660	11.87

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG NO.: Q1690

Lab File ID: VN086191.D Date Analyzed: 04/01/2025

Instrument ID: MSVOA_N Time Analyzed: 12:30

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

	IS4 AREA #	RT #				
12 HOUR STD	111589	13.788				
UPPER LIMIT	223178	14.288				
LOWER LIMIT	55794.5	13.288				
EPA SAMPLE NO.						
MW112010	118313	13.79				
VN0401WBL01	65170	13.79				
VN0401WBS01	101045	13.79				
VN0401WBSD01	87066	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Raw Data: **VN086193.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBL01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086193.D	1		04/01/25 13:29	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	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	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.14	U	0.14	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBL01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086193.D	1		04/01/25 13:29	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.5		70 (74) - 130 (125)	121%	SPK: 50
1868-53-7	Dibromofluoromethane	53.9		70 (75) - 130 (124)	108%	SPK: 50
2037-26-5	Toluene-d8	47.4		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	103000	8.224			
540-36-3	1,4-Difluorobenzene	184000	9.1			
3114-55-4	Chlorobenzene-d5	165000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	65200	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBL01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086193.D	1		04/01/25 13:29	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **VN086194.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBS01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086194.D	1		04/01/25 13:54	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	24.5		0.22	5.00	ug/L
74-87-3	Chloromethane	20.0		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	22.0		0.26	5.00	ug/L
74-83-9	Bromomethane	20.2		1.40	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	20.2		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	5.00	ug/L
67-64-1	Acetone	82.0		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	16.8		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.2		0.16	5.00	ug/L
79-20-9	Methyl Acetate	16.5		0.27	5.00	ug/L
75-09-2	Methylene Chloride	18.2		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.3		0.23	5.00	ug/L
110-82-7	Cyclohexane	17.1		1.50	5.00	ug/L
78-93-3	2-Butanone	84.1		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	22.0		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.3		0.19	5.00	ug/L
74-97-5	Bromochloromethane	20.5		0.22	5.00	ug/L
67-66-3	Chloroform	20.0		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.9		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	18.1		0.16	5.00	ug/L
71-43-2	Benzene	19.3		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	5.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.4		0.68	25.0	ug/L
108-88-3	Toluene	21.3		0.14	5.00	ug/L

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBS01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086194.D	1		04/01/25 13:54	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.3		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.8		0.21	5.00	ug/L
591-78-6	2-Hexanone	100		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	5.00	ug/L
108-90-7	Chlorobenzene	18.4		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	18.6		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	39.7		0.24	10.0	ug/L
95-47-6	o-Xylene	19.8		0.12	5.00	ug/L
100-42-5	Styrene	19.5		0.15	5.00	ug/L
75-25-2	Bromoform	19.8		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	17.7		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.0		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.0		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.6		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.7		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.8		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.4		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.0		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	125000	8.224			
540-36-3	1,4-Difluorobenzene	197000	9.1			
3114-55-4	Chlorobenzene-d5	189000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	101000	13.788			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBS01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086194.D	1		04/01/25 13:54	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **VN086195.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBSD01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086195.D	1		04/01/25 14:48	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.5		0.22	5.00	ug/L
74-87-3	Chloromethane	21.5		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	20.7		0.26	5.00	ug/L
74-83-9	Bromomethane	20.6		1.40	5.00	ug/L
75-00-3	Chloroethane	18.4		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.0		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	15.2		0.23	5.00	ug/L
67-64-1	Acetone	75.7		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	14.6		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.6		0.16	5.00	ug/L
79-20-9	Methyl Acetate	16.3		0.27	5.00	ug/L
75-09-2	Methylene Chloride	17.0		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	16.2		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	17.0		0.23	5.00	ug/L
110-82-7	Cyclohexane	15.8		1.50	5.00	ug/L
78-93-3	2-Butanone	81.3		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.4		0.19	5.00	ug/L
74-97-5	Bromochloromethane	21.0		0.22	5.00	ug/L
67-66-3	Chloroform	19.1		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.16	5.00	ug/L
71-43-2	Benzene	18.5		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	5.00	ug/L
79-01-6	Trichloroethene	17.6		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	20.4		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.0		0.68	25.0	ug/L
108-88-3	Toluene	19.7		0.14	5.00	ug/L

Raw Data: **VN086195.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBSD01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086195.D	1		04/01/25 14:48	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.4		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.8		0.21	5.00	ug/L
591-78-6	2-Hexanone	93.5		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.23	5.00	ug/L
108-90-7	Chlorobenzene	17.7		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	17.0		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	35.1		0.24	10.0	ug/L
95-47-6	o-Xylene	17.8		0.12	5.00	ug/L
100-42-5	Styrene	18.0		0.15	5.00	ug/L
75-25-2	Bromoform	19.2		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	16.5		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.1		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.3		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.4		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	16.8		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.4		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	15.0		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.6		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.0		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	113000	8.224			
540-36-3	1,4-Difluorobenzene	183000	9.1			
3114-55-4	Chlorobenzene-d5	167000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	87100	13.788			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	TGP	Date Received:	
Client Sample ID:	VN0401WBSD01	SDG No.:	Q1690
Lab Sample ID:	VN0401WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086195.D	1		04/01/25 14:48	VN040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

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

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.707	0.643	0.600	0.649	0.697	0.678	0.662	6
Chloromethane	0.575	0.557	0.514	0.544	0.612	0.683	0.581	10.3
Vinyl Chloride	0.622	0.592	0.541	0.581	0.634	0.592	0.594	5.5
Bromomethane	0.388	0.381	0.377	0.411	0.466		0.404	9.2
Chloroethane	0.355	0.330	0.334	0.378	0.403	0.446	0.375	11.9
Trichlorofluoromethane	1.059	0.977	0.959	1.035	1.107	1.267	1.067	10.5
1,1,2-Trichlorotrifluoroethane	0.574	0.515	0.512	0.553	0.590	0.659	0.567	9.7
1,1-Dichloroethene	0.567	0.516	0.481	0.545	0.550	0.415	0.512	11
Acetone	0.251	0.194	0.179	0.195	0.213	0.223	0.209	12.4
Carbon Disulfide	1.649	1.510	1.467	1.610	1.765	2.107	1.685	13.8
Methyl tert-butyl Ether	1.888	1.691	1.578	1.604	1.638	1.673	1.679	6.6
Methyl Acetate	0.488	0.469	0.434	0.504	0.542	0.667	0.518	15.8
Methylene Chloride	0.613	0.565	0.551	0.572	0.639	0.731	0.612	10.9
trans-1,2-Dichloroethene	0.603	0.534	0.521	0.546	0.564	0.591	0.560	5.8
1,1-Dichloroethane	1.023	0.949	0.908	0.968	1.032	1.130	1.001	7.8
Cyclohexane	0.890	0.799	0.765	0.854	0.957		0.853	8.9
2-Butanone	0.331	0.292	0.277	0.297	0.319	0.296	0.302	6.5
Carbon Tetrachloride	0.673	0.578	0.557	0.580	0.613	0.624	0.604	6.9
cis-1,2-Dichloroethene	0.688	0.633	0.591	0.617	0.656	0.632	0.636	5.3
Bromochloromethane	0.403	0.391	0.398	0.404	0.430	0.521	0.424	11.6
Chloroform	1.119	1.017	1.011	1.101	1.149	1.245	1.107	7.9
1,1,1-Trichloroethane	1.093	0.986	0.962	1.025	1.097	1.124	1.048	6.3
Methylcyclohexane	0.579	0.475	0.419	0.399	0.426	0.438	0.456	14.3
Benzene	1.610	1.393	1.348	1.386	1.453	1.466	1.443	6.5
1,2-Dichloroethane	0.538	0.475	0.462	0.491	0.528	0.521	0.503	6.1
Trichloroethene	0.394	0.346	0.335	0.353	0.380	0.435	0.374	10
1,2-Dichloropropane	0.366	0.321	0.319	0.321	0.333	0.309	0.328	6.2
Bromodichloromethane	0.600	0.516	0.506	0.515	0.561	0.537	0.539	6.6
4-Methyl-2-Pentanone	0.434	0.385	0.368	0.380	0.369	0.287	0.371	12.9
Toluene	1.074	0.915	0.862	0.878	0.856	0.727	0.885	12.7

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

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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:44 14:09

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

LAB FILE ID: RRF100 = VN085996.D RRF050 = VN085997.D RRF020 = VN085998.D
RRF010 = VN085999.D RRF005 = VN086000.D RRF001 = VN086001.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.646	0.539	0.504	0.506	0.501	0.446	0.524	12.8
cis-1,3-Dichloropropene	0.659	0.568	0.533	0.555	0.537	0.464	0.553	11.5
1,1,2-Trichloroethane	0.382	0.327	0.316	0.330	0.338	0.335	0.338	6.7
2-Hexanone	0.334	0.284	0.269	0.270	0.261	0.202	0.270	15.7
Dibromochloromethane	0.503	0.432	0.408	0.422	0.436	0.416	0.436	7.8
1,2-Dibromoethane	0.400	0.351	0.326	0.343	0.337	0.325	0.347	8
Tetrachloroethene	0.407	0.371	0.370	0.390	0.421	0.433	0.399	6.6
Chlorobenzene	1.229	1.085	1.070	1.116	1.156	1.208	1.144	5.7
Ethyl Benzene	2.209	1.918	1.744	1.769	1.755	1.586	1.830	11.7
m/p-Xylenes	0.867	0.756	0.700	0.690	0.660	0.643	0.719	11.4
o-Xylene	0.831	0.713	0.655	0.645	0.585	0.532	0.660	15.8
Styrene	1.431	1.219	1.115	1.044	1.032	0.924	1.128	15.8
Bromoform	0.392	0.345	0.329	0.342	0.355	0.371	0.356	6.4
Isopropylbenzene	3.863	3.599	3.251	3.470	3.264	3.039	3.414	8.6
1,1,2,2-Tetrachloroethane	1.076	1.052	1.041	1.191	1.261	1.311	1.155	10
1,3-Dichlorobenzene	1.842	1.685	1.614	1.749	1.718	1.688	1.716	4.5
1,4-Dichlorobenzene	1.825	1.667	1.621	1.756	1.907	2.043	1.803	8.7
1,2-Dichlorobenzene	1.716	1.598	1.522	1.673	1.724	2.004	1.706	9.7
1,2-Dibromo-3-Chloropropane	0.240	0.221	0.216	0.266	0.250	0.192	0.231	11.5
1,2,4-Trichlorobenzene	0.952	0.850	0.779	0.815	0.851	0.899	0.858	7.1
1,2,3-Trichlorobenzene	0.900	0.829	0.772	0.794	0.791	0.798	0.814	5.7
1,2-Dichloroethane-d4	0.632	0.665	0.669	0.721	0.737		0.685	6.3
Dibromofluoromethane	0.333	0.334	0.347	0.362	0.368		0.349	4.5
Toluene-d8	1.309	1.266	1.253	1.289	1.217		1.267	2.8
4-Bromofluorobenzene	0.514	0.466	0.447	0.440	0.391		0.452	9.8

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date/Time: 04/01/2025 12:30

Lab File ID: VN086191.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.662	0.804		21.45	20
Chloromethane	0.581	0.654	0.1	12.56	20
Vinyl Chloride	0.594	0.692		16.5	20
Bromomethane	0.404	0.386		-4.45	20
Chloroethane	0.375	0.368		-1.87	20
Trichlorofluoromethane	1.067	1.063		-0.38	20
1,1,2-Trichlorotrifluoroethane	0.567	0.536		-5.47	20
1,1-Dichloroethene	0.512	0.479		-6.45	20
Acetone	0.209	0.176		-15.79	20
Carbon Disulfide	1.685	1.478		-12.28	20
Methyl tert-butyl Ether	1.679	1.653		-1.55	20
Methyl Acetate	0.518	0.482		-6.95	20
Methylene Chloride	0.612	0.588		-3.92	20
trans-1,2-Dichloroethene	0.560	0.557		-0.54	20
1,1-Dichloroethane	1.001	0.969	0.1	-3.2	20
Cyclohexane	0.853	0.798		-6.45	20
2-Butanone	0.302	0.282		-6.62	20
Carbon Tetrachloride	0.604	0.691		14.4	20
cis-1,2-Dichloroethene	0.636	0.652		2.52	20
Bromochloromethane	0.424	0.412		-2.83	20
Chloroform	1.107	1.147		3.61	20
1,1,1-Trichloroethane	1.048	1.109		5.82	20
Methylcyclohexane	0.456	0.469		2.85	20
Benzene	1.443	1.549		7.35	20
1,2-Dichloroethane	0.503	0.554		10.14	20
Trichloroethene	0.374	0.367		-1.87	20
1,2-Dichloropropane	0.328	0.346		5.49	20
Bromodichloromethane	0.539	0.597		10.76	20
4-Methyl-2-Pentanone	0.371	0.423		14.02	20
Toluene	0.885	1.035		16.95	20
t-1,3-Dichloropropene	0.524	0.565		7.82	20
cis-1,3-Dichloropropene	0.553	0.595		7.59	20
1,1,2-Trichloroethane	0.338	0.380		12.43	20
2-Hexanone	0.270	0.313		15.93	20
Dibromochloromethane	0.436	0.499		14.45	20
1,2-Dibromoethane	0.347	0.385		10.95	20
Tetrachloroethene	0.399	0.411		3.01	20
Chlorobenzene	1.144	1.152	0.3	0.7	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: MSVOA_N Calibration Date/Time: 04/01/2025 12:30

Lab File ID: VN086191.D Init. Calib. Date(s): 03/18/2025 03/18/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:44 14:09

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.830	1.975		7.92	20
m/p-Xylenes	0.719	0.809		12.52	20
o-Xylene	0.660	0.744		12.73	20
Styrene	1.128	1.331		18	20
Bromoform	0.356	0.377	0.1	5.9	20
Isopropylbenzene	3.414	3.345		-2.02	20
1,1,2,2-Tetrachloroethane	1.155	1.028	0.3	-11	20
1,3-Dichlorobenzene	1.716	1.691		-1.46	20
1,4-Dichlorobenzene	1.803	1.656		-8.15	20
1,2-Dichlorobenzene	1.706	1.629		-4.51	20
1,2-Dibromo-3-Chloropropane	0.231	0.220		-4.76	20
1,2,4-Trichlorobenzene	0.858	0.749		-12.7	20
1,2,3-Trichlorobenzene	0.814	0.758		-6.88	20
1,2-Dichloroethane-d4	0.685	0.742		8.32	20
Dibromofluoromethane	0.349	0.363		4.01	20
Toluene-d8	1.267	1.382		9.08	20
4-Bromofluorobenzene	0.452	0.517		14.38	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\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Time: Apr 02 01:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

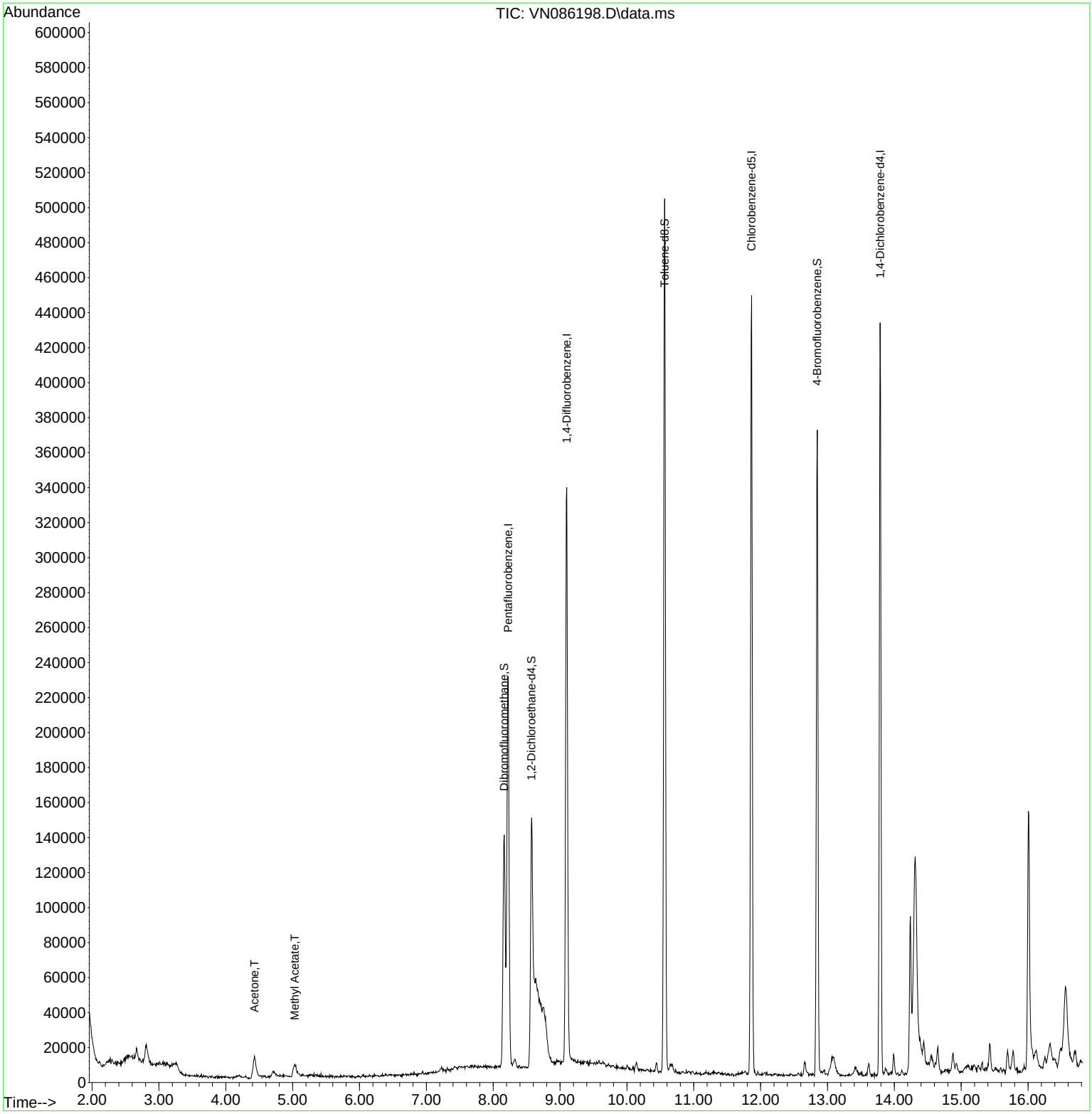
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	155880	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	123079	57.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.320%			
35) Dibromofluoromethane	8.165	113	95606	49.189	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.380%			
50) Toluene-d8	10.565	98	349170	49.499	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	12.847	95	130215	51.761	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.520%			
Target Compounds						Qvalue
16) Acetone	4.430	43	23211	35.593	ug/l	98
18) Methyl Acetate	5.030	43	15706	9.734	ug/l	94

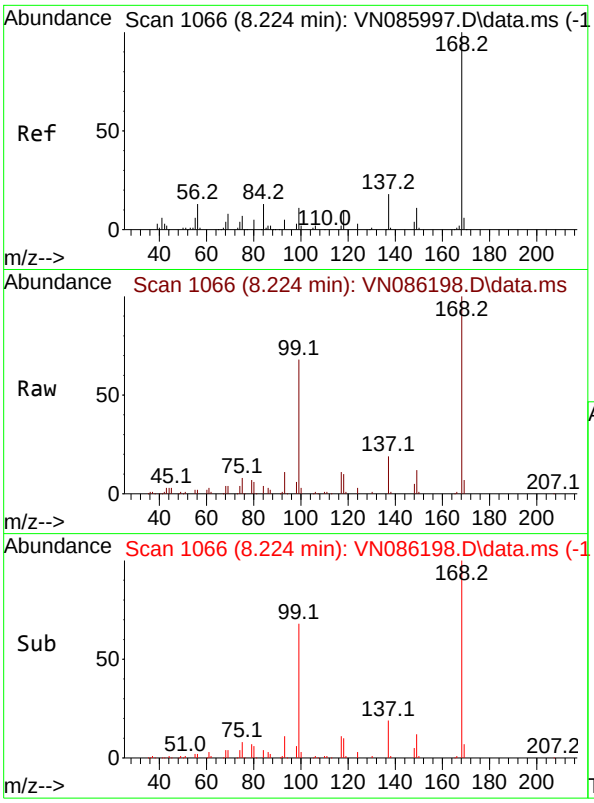
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Time: Apr 02 01:53:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



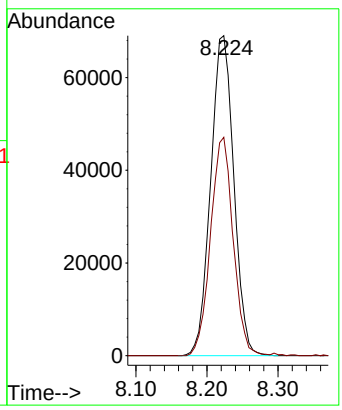


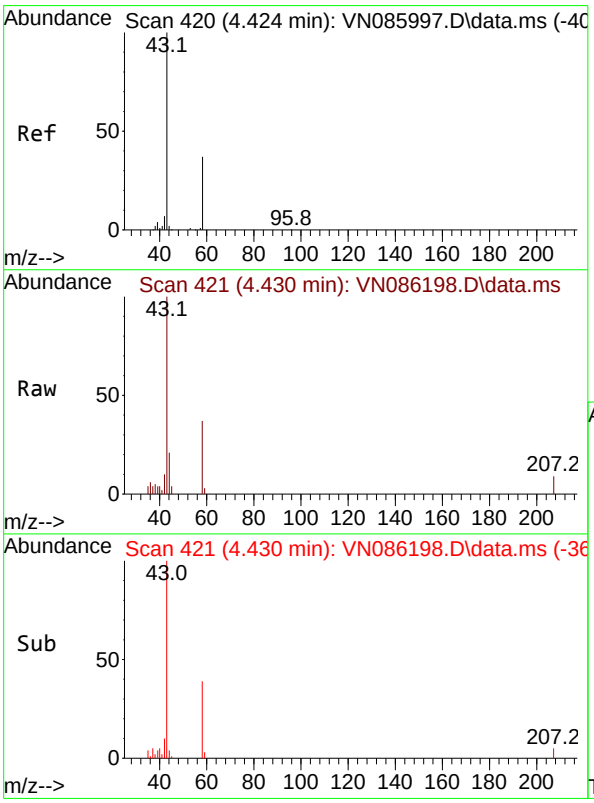
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion:168 Resp: 155880

Ion	Ratio	Lower	Upper
168	100		
99	68.2	49.4	74.2

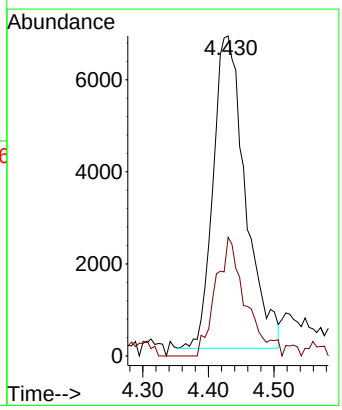


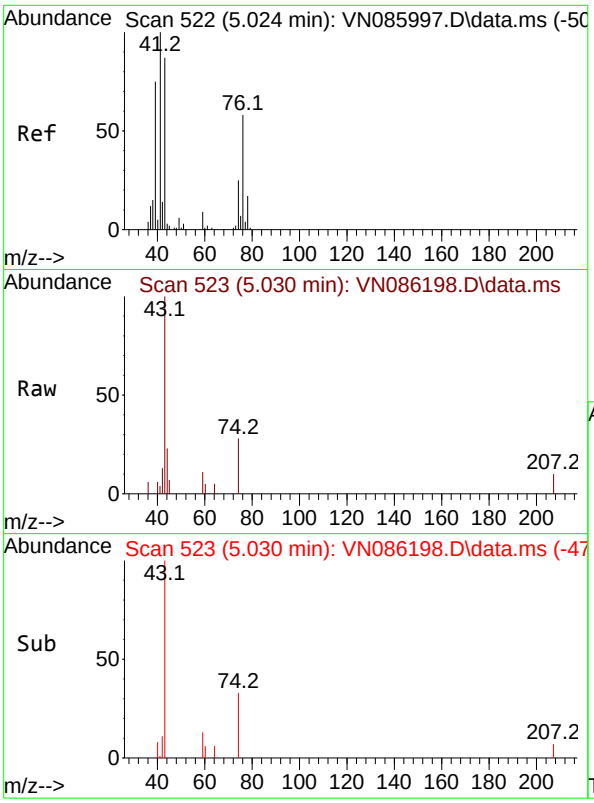


#16
Acetone
Concen: 35.593 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 43 Resp: 23211

Ion	Ratio	Lower	Upper
43	100		
58	38.0	29.4	44.2



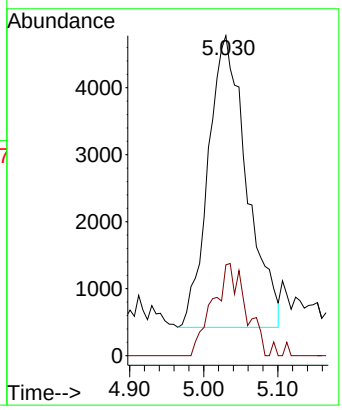


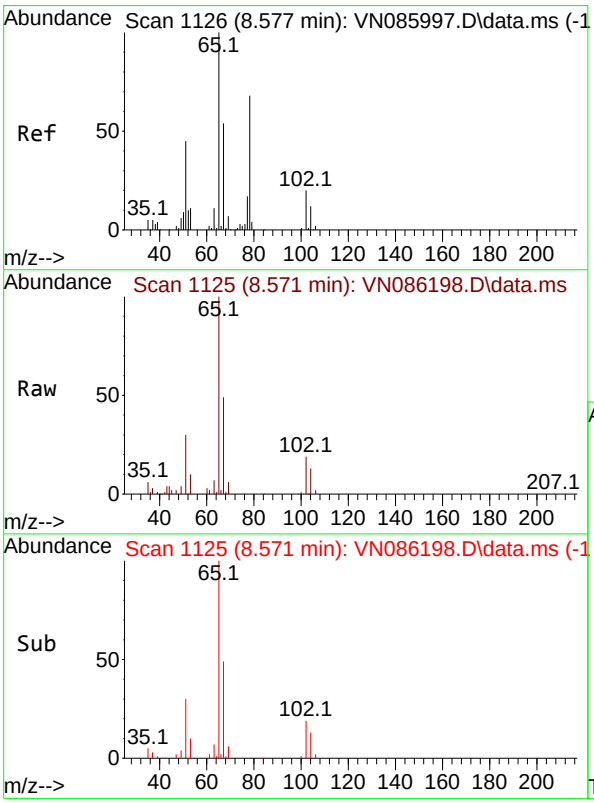
#18
Methyl Acetate
Concen: 9.734 ug/l
RT: 5.030 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion: 43 Resp: 15706

Ion	Ratio	Lower	Upper
43	100		
74	26.9	23.9	35.9

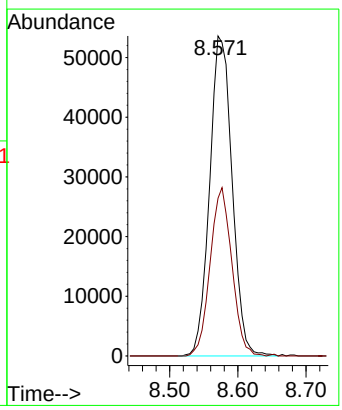


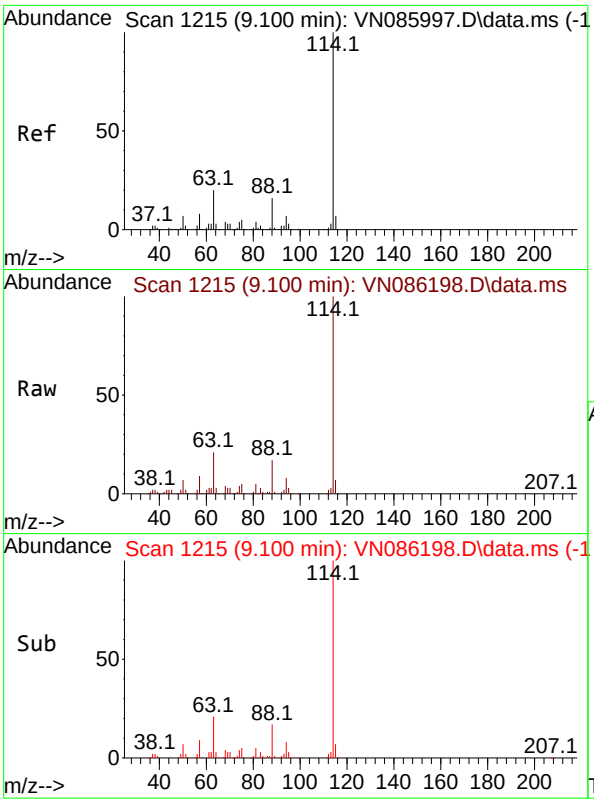


#33
1,2-Dichloroethane-d4
Concen: 57.661 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 65 Resp: 123079

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	102.2



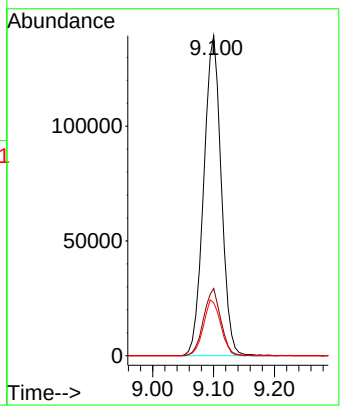


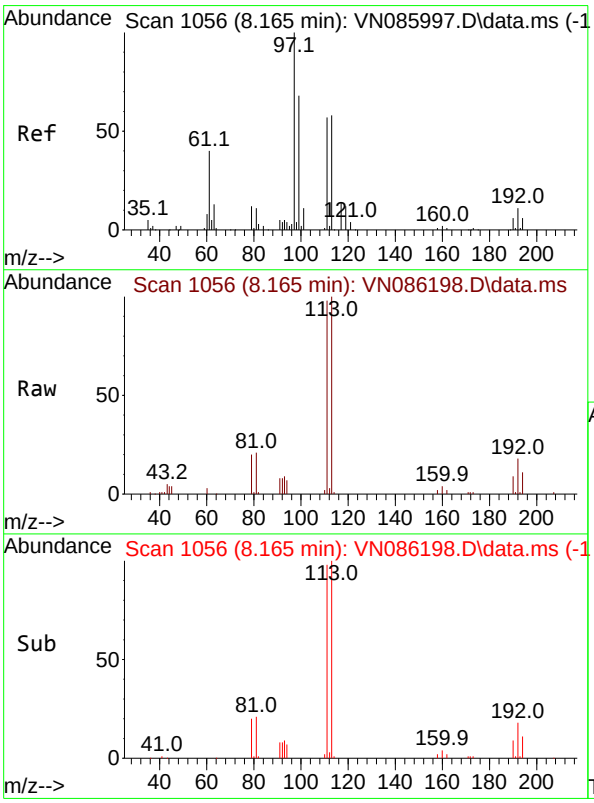
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion:114 Resp: 278463

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	39.6
88	16.6	0.0	32.6

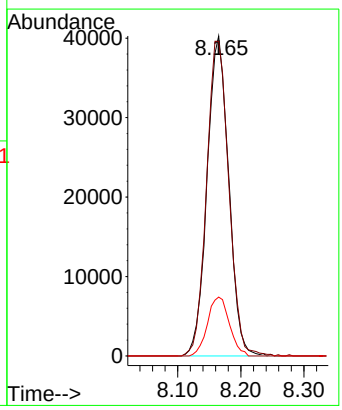


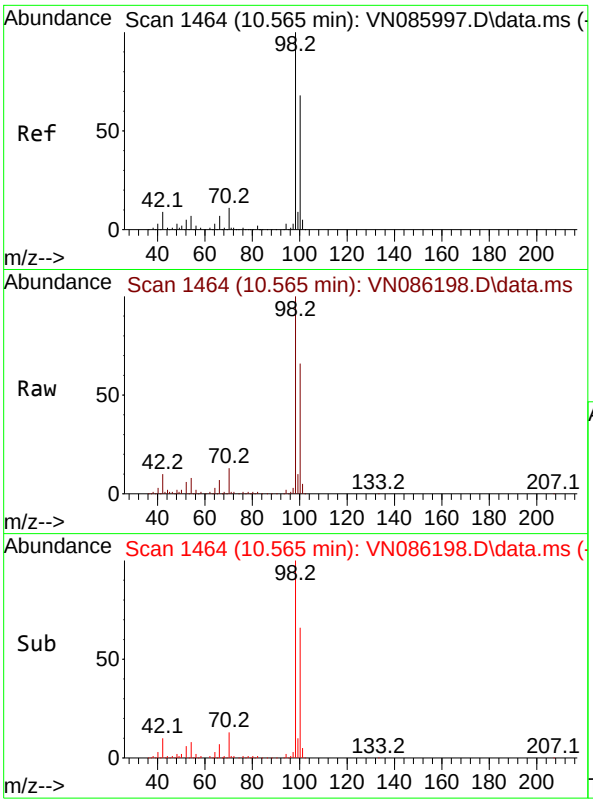


#35
Dibromofluoromethane
Concen: 49.189 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion:113 Resp: 95606

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.8	122.8
192	18.7	15.9	23.9



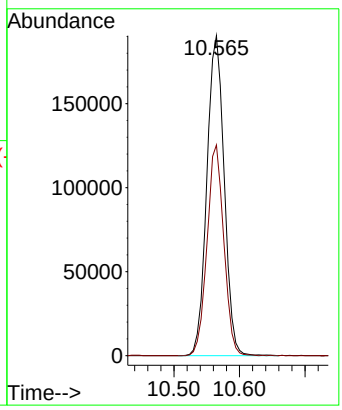


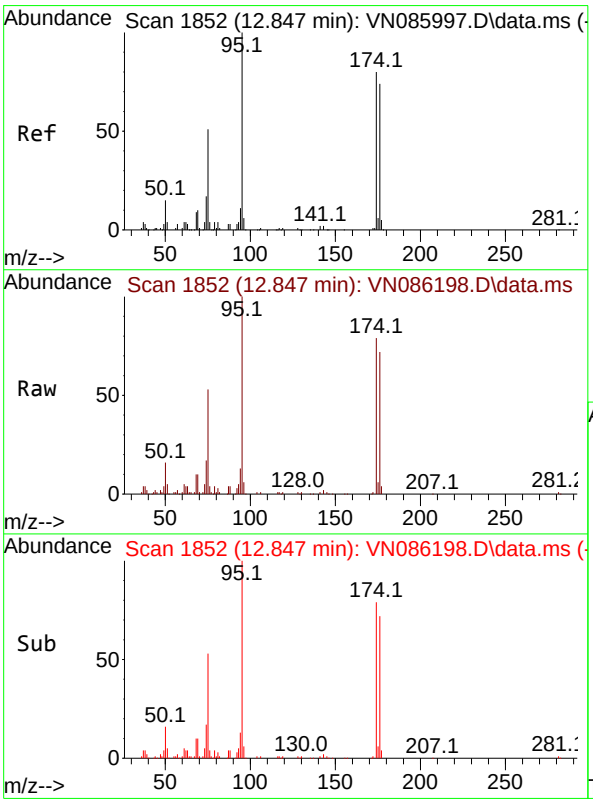
#50
Toluene-d8
Concen: 49.499 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion: 98 Resp: 349170

Ion	Ratio	Lower	Upper
98	100		
100	63.7	53.1	79.7

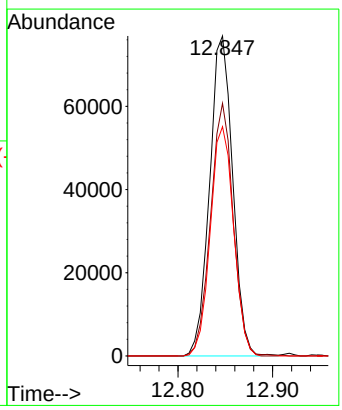


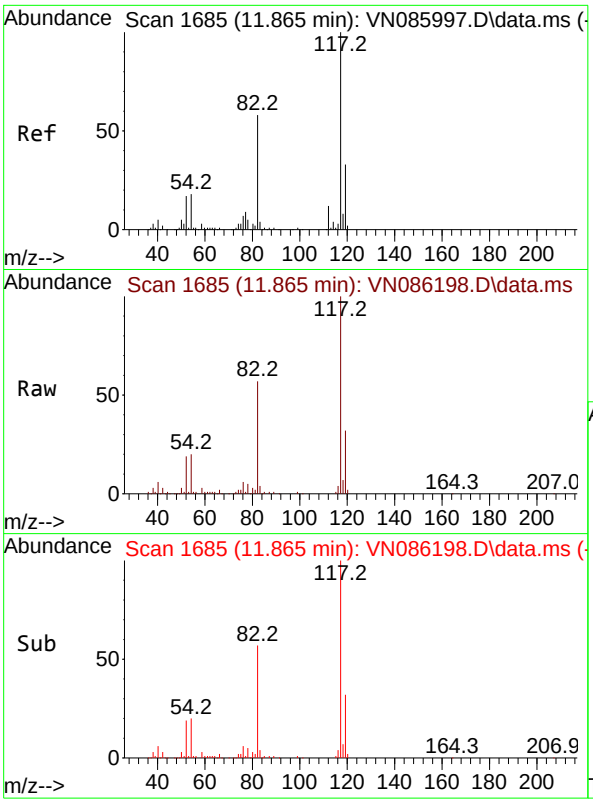


#62
4-Bromofluorobenzene
Concen: 51.761 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion: 95 Resp: 130215

Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	156.8
176	72.4	0.0	152.2



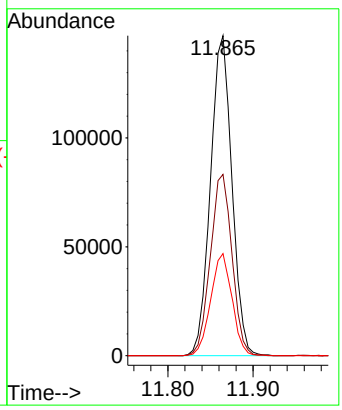


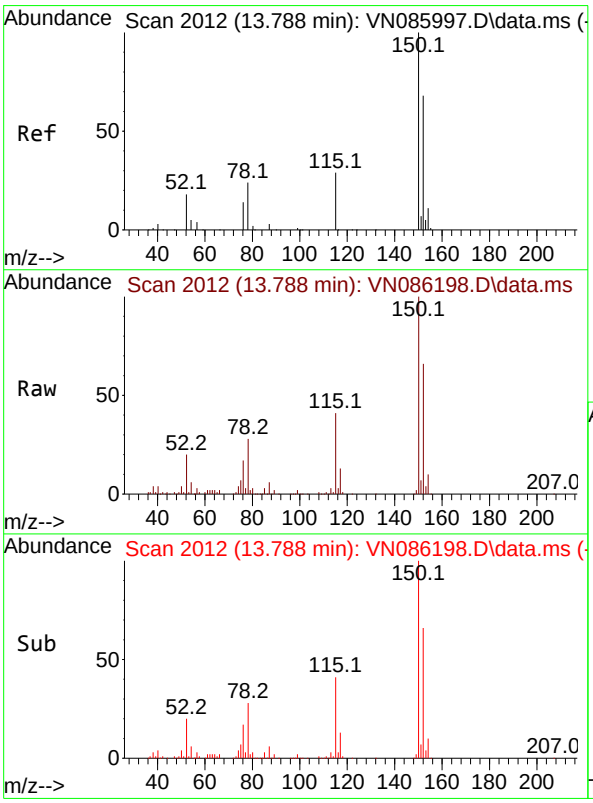
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Tgt Ion:117 Resp: 256873

Ion	Ratio	Lower	Upper
117	100		
82	56.7	46.7	70.1
119	31.9	26.5	39.7

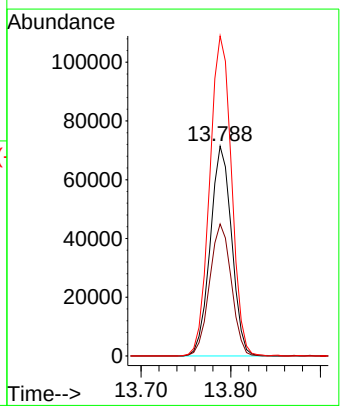




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086198.D
Acq: 01 Apr 2025 16:01

Tgt Ion:152 Resp: 118313

Ion	Ratio	Lower	Upper
152	100		
115	63.9	31.1	93.2
150	155.3	0.0	359.6



Sample Results: **VN086198.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086198.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.665	119	121	127	rVB3	7142	10530	1.15%	0.163%
2	2.812	141	146	154	rVB7	10224	26034	2.85%	0.404%
3	4.430	410	421	435	rBV2	12745	44101	4.83%	0.684%
4	5.030	514	523	525	rBV3	7283	16670	1.83%	0.259%
5	8.165	1046	1056	1060	rBV	132728	312268	34.20%	4.845%
6	8.224	1060	1066	1077	rVV	223277	506141	55.43%	7.853%
7	8.318	1077	1082	1089	rVB7	4653	11603	1.27%	0.180%
8	8.577	1117	1126	1134	rBV2	142283	397291	43.51%	6.164%
9	9.100	1206	1215	1227	rBV	328472	676260	74.06%	10.493%
10	10.141	1387	1392	1399	rBV6	5331	11416	1.25%	0.177%
11	10.441	1439	1443	1449	rVB5	5747	10340	1.13%	0.160%
12	10.565	1455	1464	1473	rBV	499420	913093	100.00%	14.167%
13	11.865	1676	1685	1697	rVB	445766	789115	86.42%	12.244%
14	12.659	1816	1820	1827	rBV4	7148	14327	1.57%	0.222%
15	12.847	1845	1852	1861	rBV	369218	631611	69.17%	9.800%
16	13.065	1879	1889	1890	rBV6	10382	20275	2.22%	0.315%
17	13.618	1979	1983	1989	rVB6	7234	12980	1.42%	0.201%
18	13.788	2004	2012	2021	rBV	430323	722882	79.17%	11.216%
19	13.988	2042	2046	2054	rVB2	11590	18894	2.07%	0.293%
20	14.241	2079	2089	2093	rBV	90319	173042	18.95%	2.685%
21	14.312	2093	2101	2112	rVB5	109088	378179	41.42%	5.868%
22	14.441	2120	2123	2129	rVB5	12743	20793	2.28%	0.323%
23	14.553	2137	2142	2150	rVV9	7113	18537	2.03%	0.288%
24	14.653	2154	2159	2167	rVB3	15579	32109	3.52%	0.498%
25	14.876	2192	2197	2202	rBV4	9308	16848	1.85%	0.261%
26	15.429	2283	2291	2300	rVB9	15836	34134	3.74%	0.530%
27	15.694	2330	2336	2342	rBV3	13227	27779	3.04%	0.431%
28	15.776	2344	2350	2356	rVB4	11304	25111	2.75%	0.390%
29	16.006	2382	2389	2402	rBV2	147660	330404	36.19%	5.126%
30	16.253	2426	2431	2434	rBV7	6723	12823	1.40%	0.199%
31	16.329	2434	2444	2452	rVV6	11726	40658	4.45%	0.631%
32	16.488	2463	2471	2472	rBV5	10897	22318	2.44%	0.346%
33	16.559	2474	2483	2497	rVB5	42507	166597	18.25%	2.585%

Sum of corrected areas: 6445163

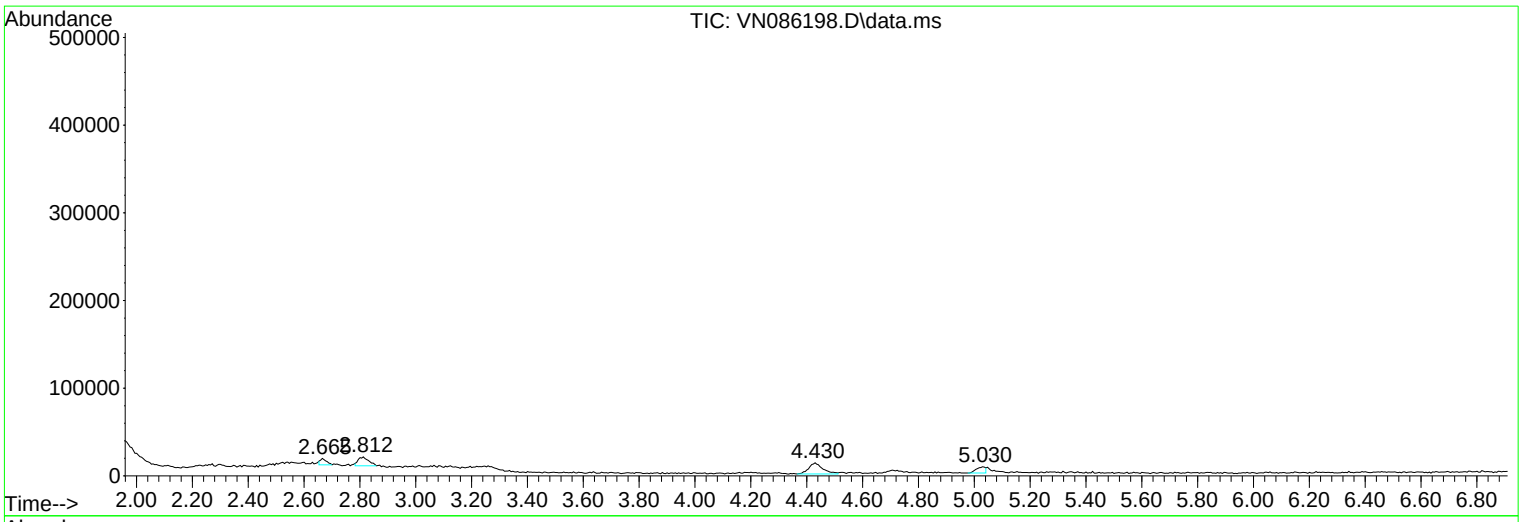
Sample Results: **VN086198.D**

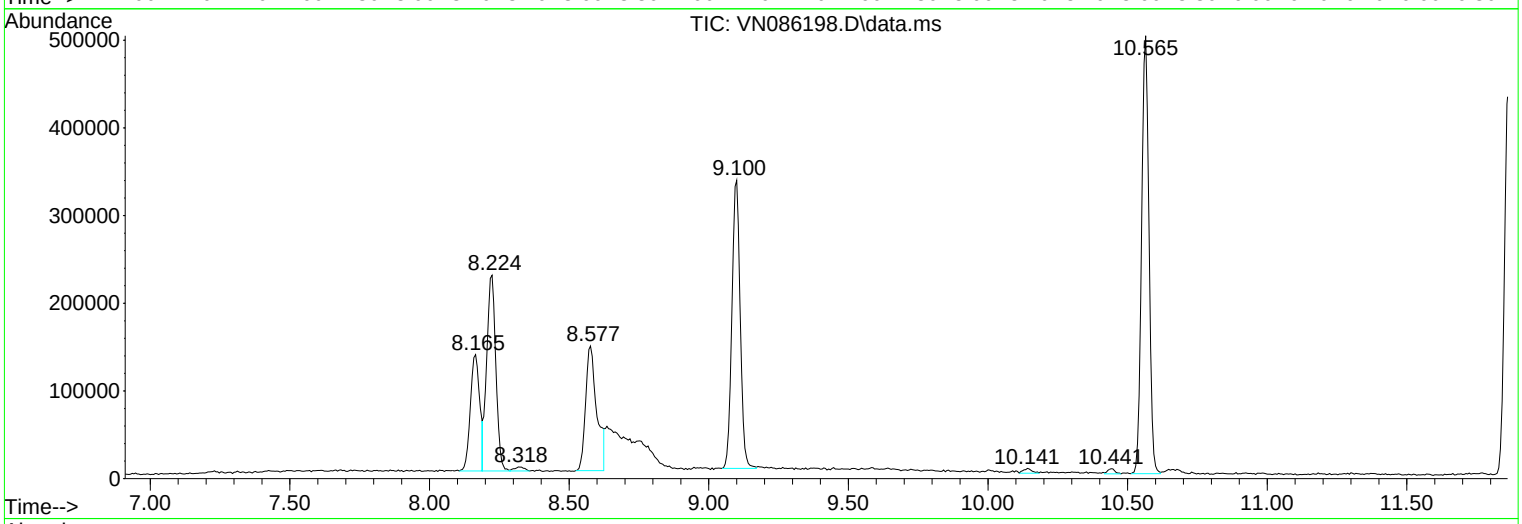
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

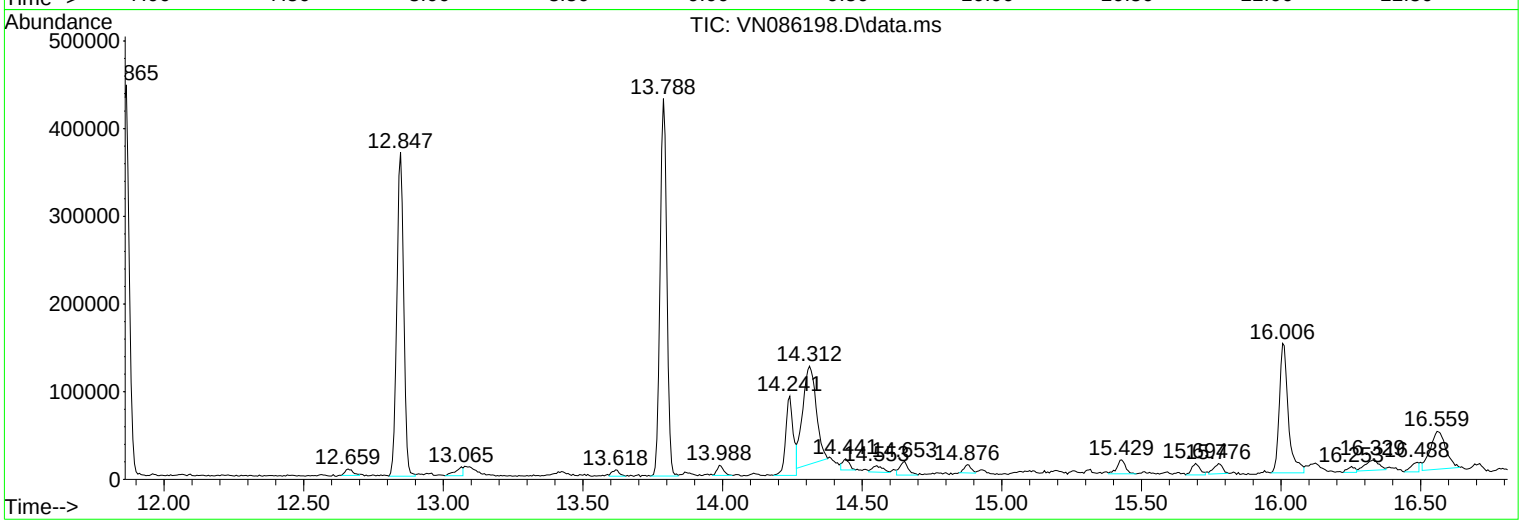
Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

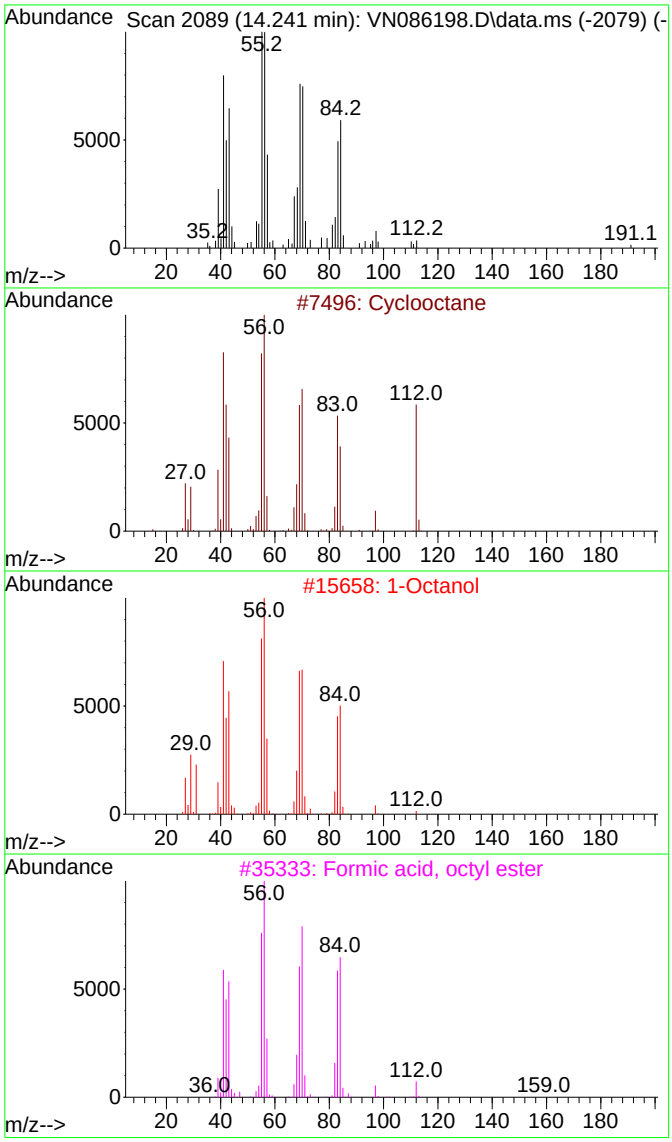
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

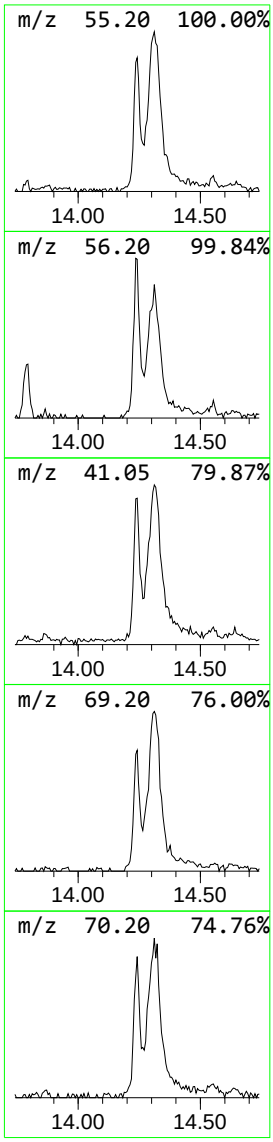
****

Peak Number 1 Cyclooctane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.241	11.97 ug/l	173042	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane	112	C8H16	000292-64-8	90
2	1-Octanol	130	C8H18O	000111-87-5	90
3	Formic acid, octyl ester	158	C9H18O2	000112-32-3	78
4	1-Nonanol	144	C9H20O	000143-08-8	72
5	Acetic acid, trichloro-, octyl e...	274	C10H17Cl3O2	016958-78-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

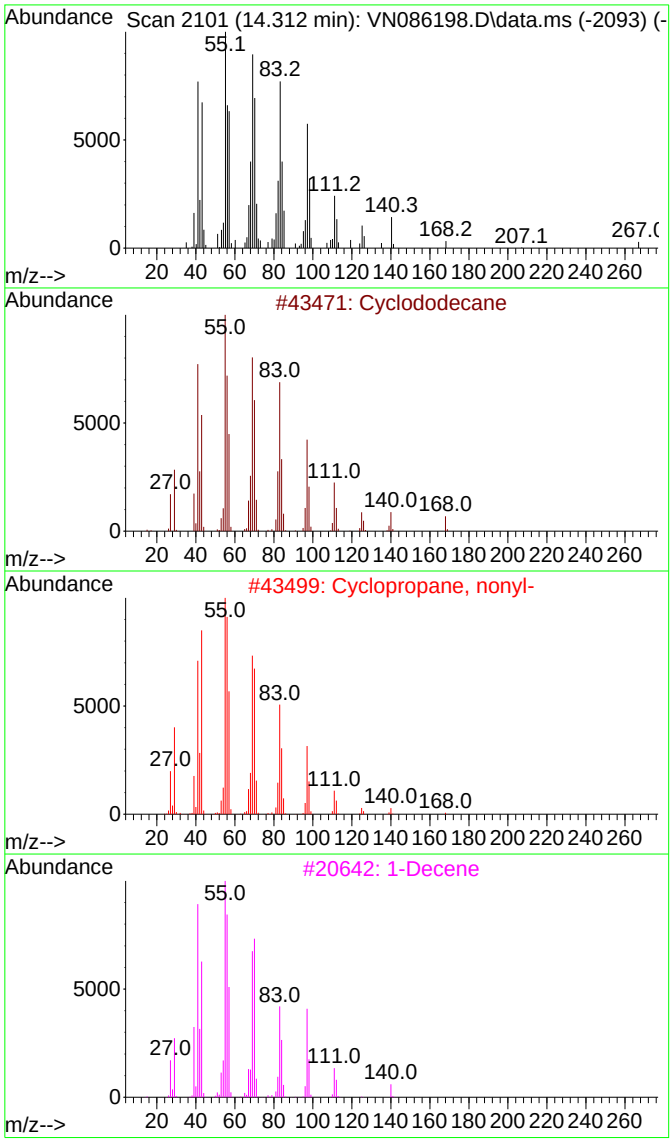
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

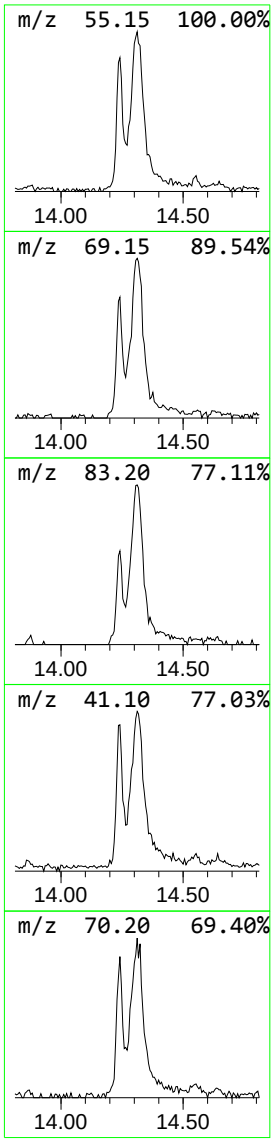
****

Peak Number 2 Cyclododecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.312	26.16 ug/l	378179	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclododecane	168	C12H24	000294-62-2	95
2	Cyclopropane, nonyl-	168	C12H24	074663-85-7	95
3	1-Decene	140	C10H20	000872-05-9	94
4	Cyclodecane	140	C10H20	000293-96-9	93
5	1-Tetradecanol	214	C14H30O	000112-72-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

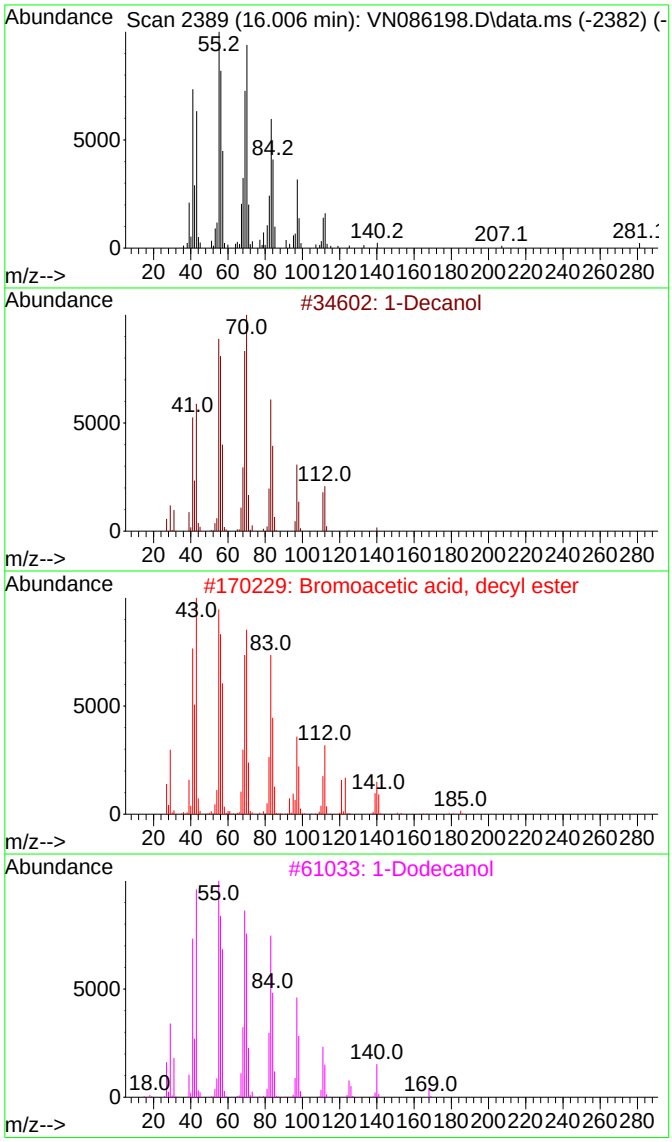
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

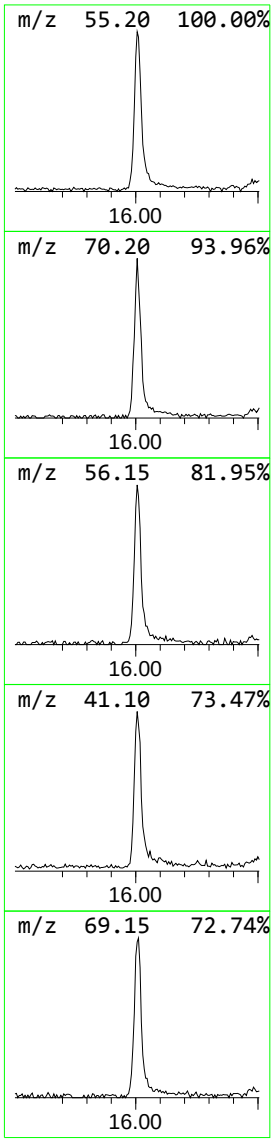
****

Peak Number 3 1-Decanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.006	22.85 ug/l	330404	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decanol	158	C10H22O	000112-30-1	91
2	Bromoacetic acid, decyl ester	278	C12H23BrO2	005436-93-1	91
3	1-Dodecanol	186	C12H26O	000112-53-8	91
4	1-Undecanol	172	C11H24O	000112-42-5	90
5	Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

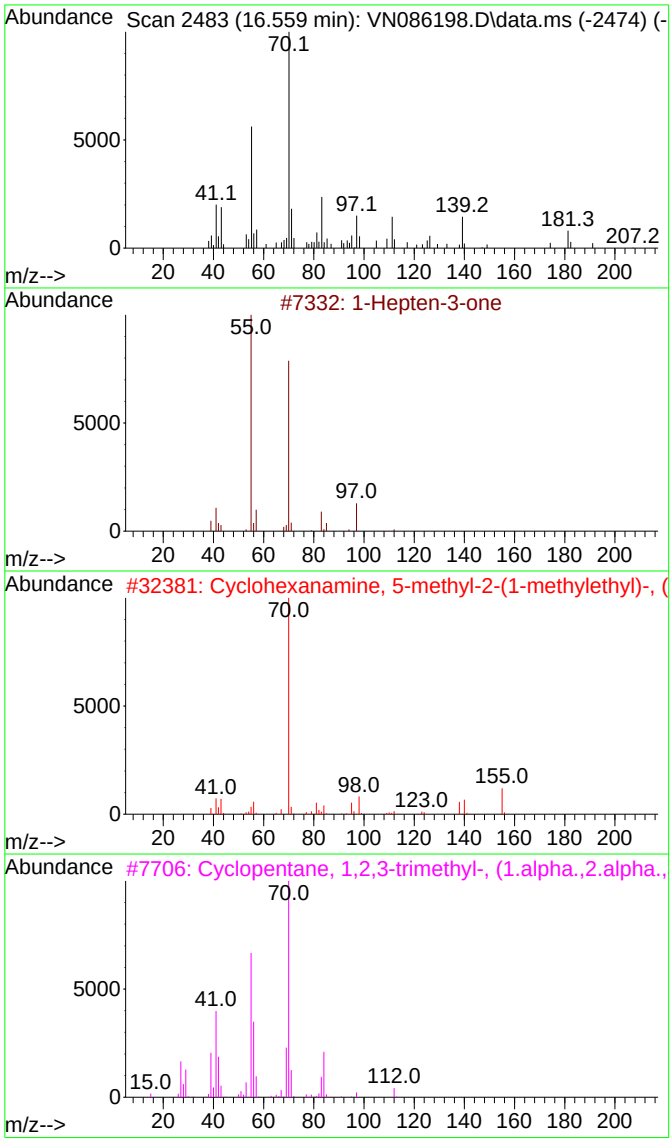
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

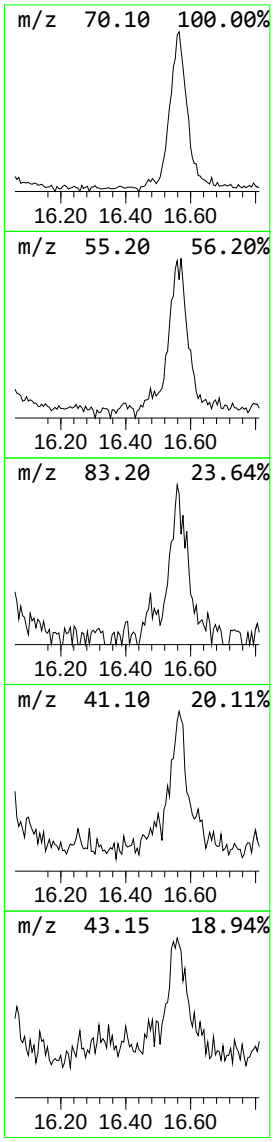
****

Peak Number 4 unknown16.558 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.558	11.52 ug/l	166597	1,4-Dichlorobenzene-d4	13.788

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hepten-3-one	112	C7H12O	002918-13-0	50
2	Cyclohexanamine, 5-methyl-2-(1-m...	155	C10H21N	023399-21-5	38
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	38
4	4-(4-Methyl-piperazin-1-yl)-1,5,...	182	C8H14N4O	1000287-66-9	35
5	Tetrahydrogeranyl formate	186	C11H22O2	1000429-39-6	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086198.D
Acq On : 01 Apr 2025 16:01
Operator : JC\MD
Sample : Q1690-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW112010

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclooctane	14.241	12.0	ug/l	173042	4	13.788	722882	50.0
Cyclododecane	14.312	26.2	ug/l	378179	4	13.788	722882	50.0
1-Decanol	16.006	22.9	ug/l	330404	4	13.788	722882	50.0
unknown16.558	16.558	11.5	ug/l	166597	4	13.788	722882	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Time: Apr 02 01:52:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

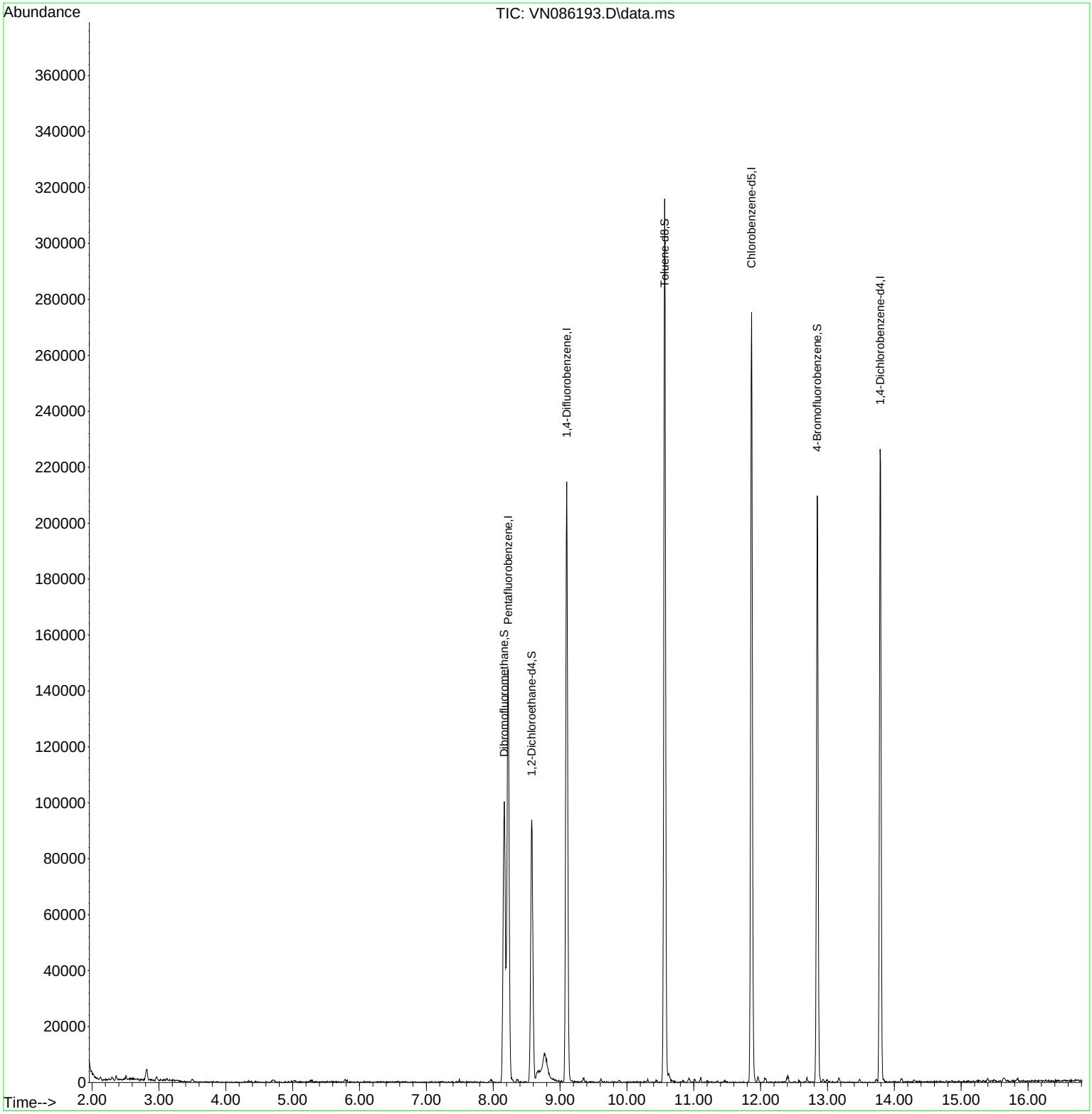
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	103379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	183913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	165471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	65170	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	85684	60.528	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.060%			
35) Dibromofluoromethane	8.165	113	69132	53.854	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.700%			
50) Toluene-d8	10.565	98	220661	47.363	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.720%			
62) 4-Bromofluorobenzene	12.847	95	72749	43.785	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.580%			
Target Compounds						Qvalue

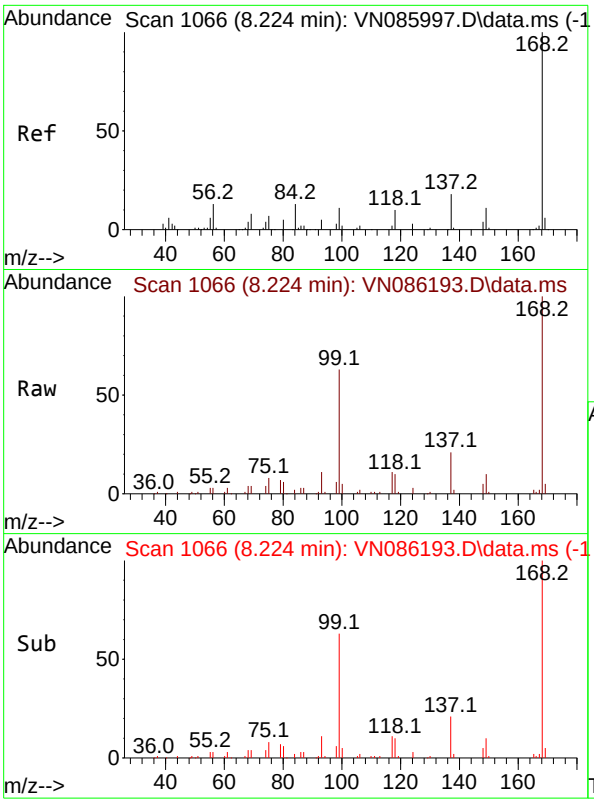
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Time: Apr 02 01:52:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration



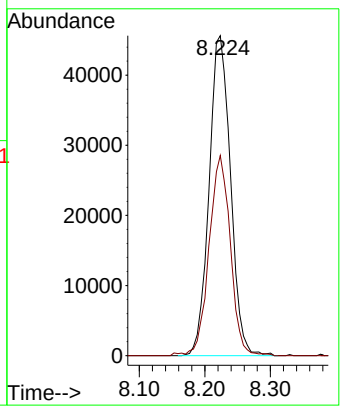


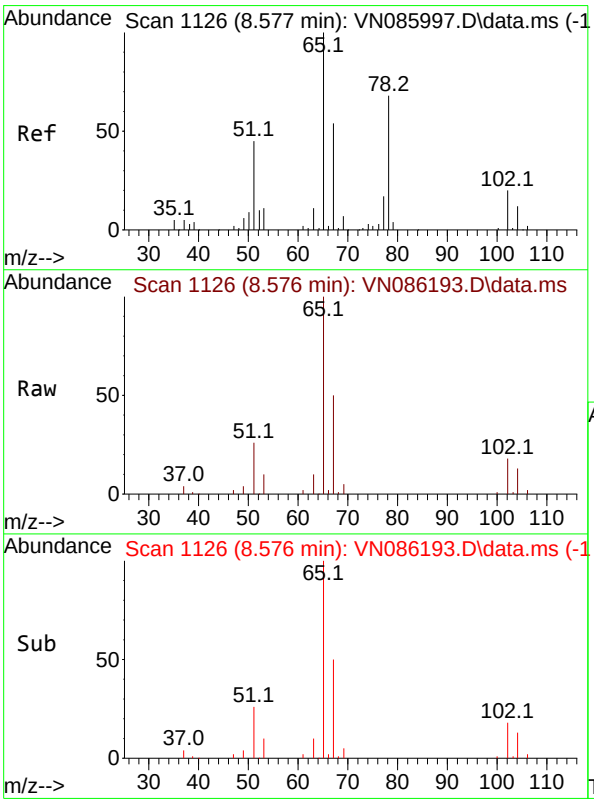
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Tgt Ion:168 Resp: 103379

Ion	Ratio	Lower	Upper
168	100		
99	62.6	49.4	74.2

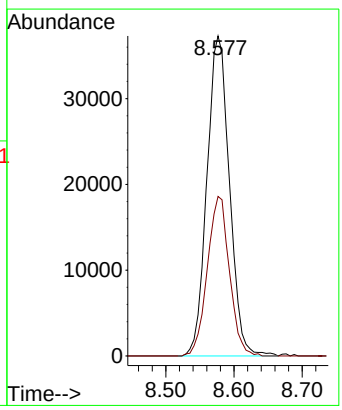


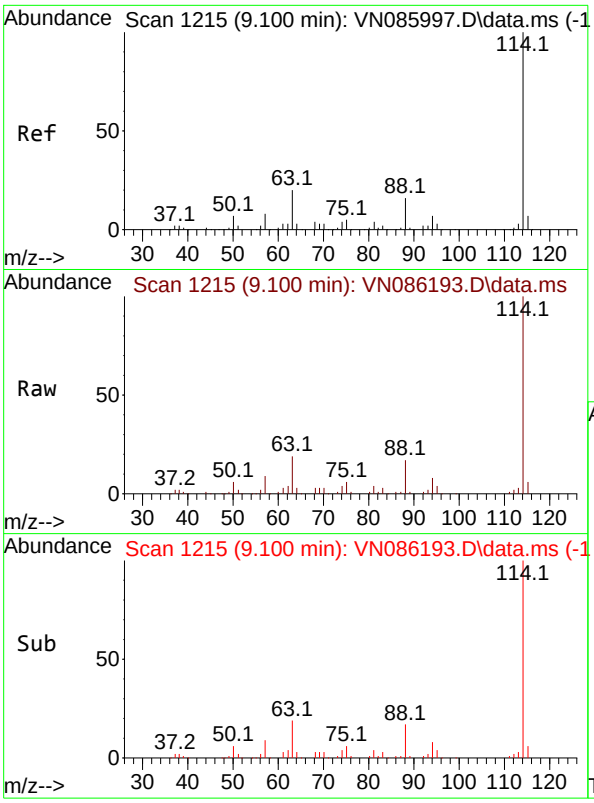


#33
1,2-Dichloroethane-d4
Concen: 60.528 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion: 65 Resp: 85684

Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	102.2



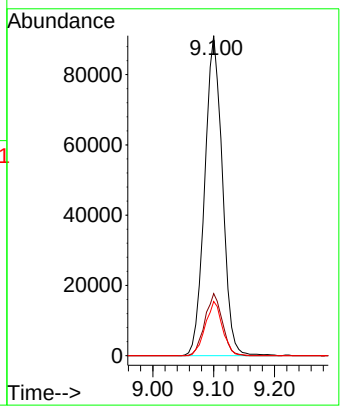


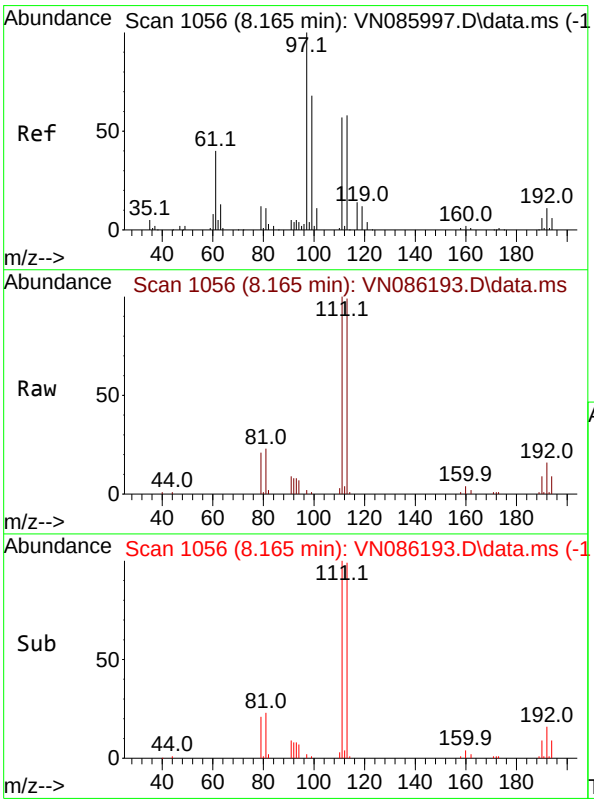
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Tgt Ion:114 Resp: 183913

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	16.9	0.0	32.6

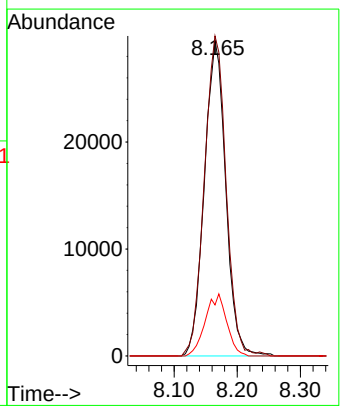


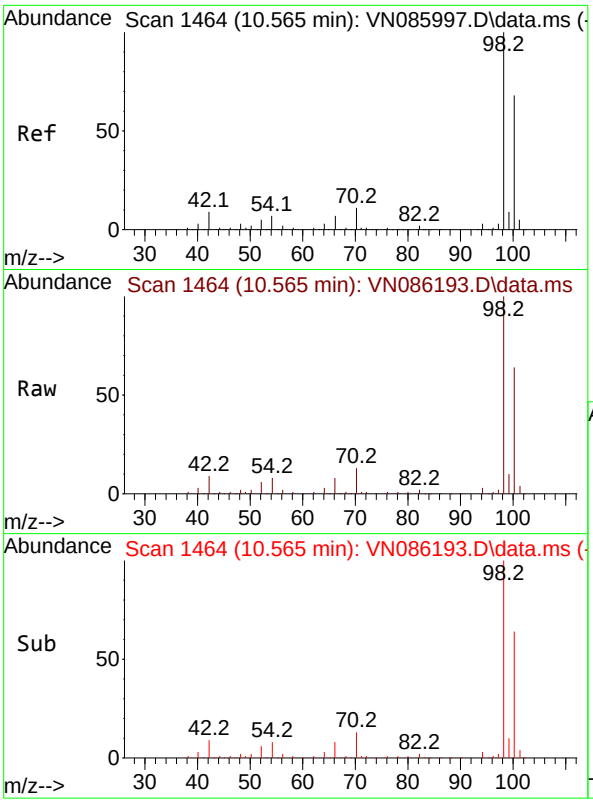


#35
Dibromofluoromethane
Concen: 53.854 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion:113 Resp: 69132

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	19.7	15.9	23.9



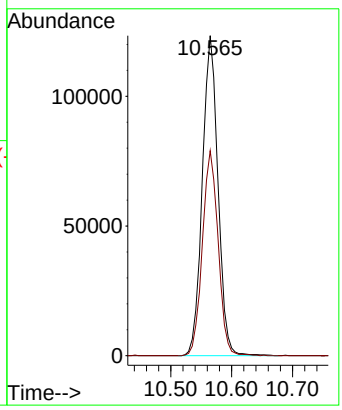


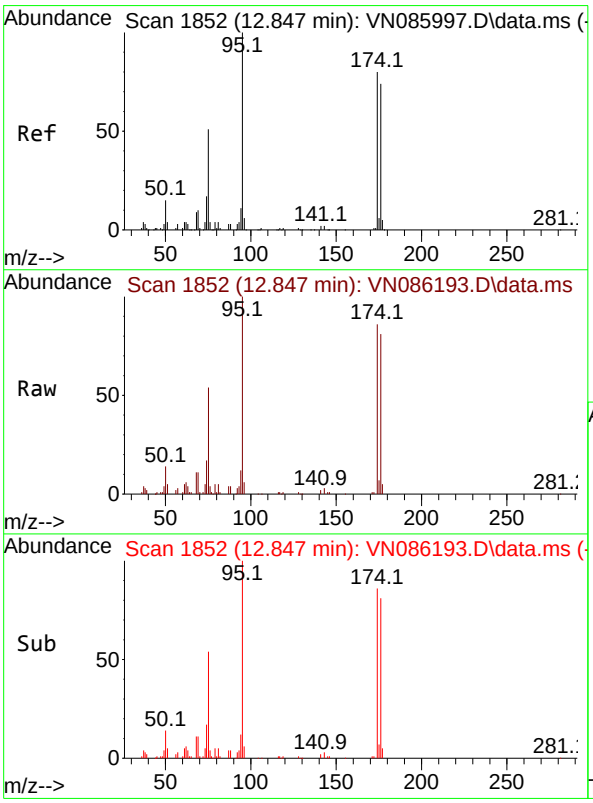
#50
Toluene-d8
Concen: 47.363 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Tgt Ion: 98 Resp: 220661

Ion	Ratio	Lower	Upper
98	100		
100	64.4	53.1	79.7

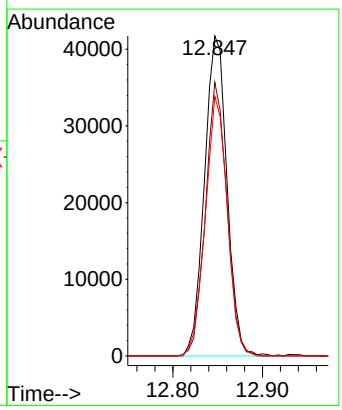


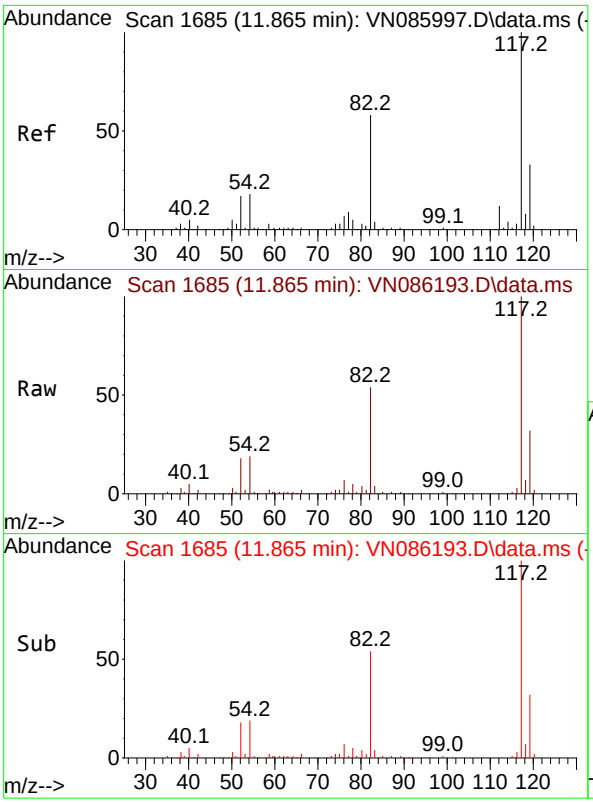


#62
4-Bromofluorobenzene
Concen: 43.785 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion: 95 Resp: 72749

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	156.8
176	79.2	0.0	152.2



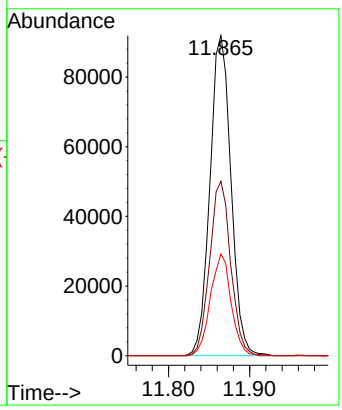


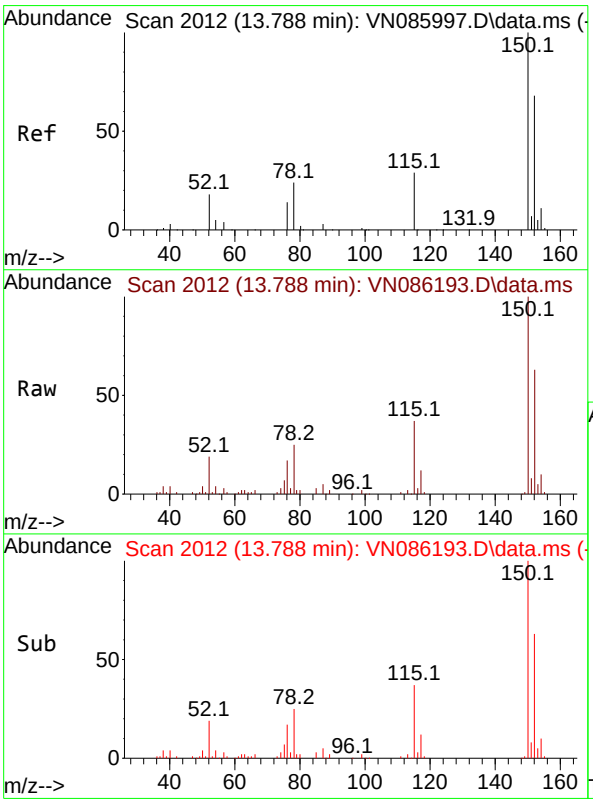
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Tgt Ion:117 Resp: 165471

Ion	Ratio	Lower	Upper
117	100		
82	54.5	46.7	70.1
119	31.8	26.5	39.7

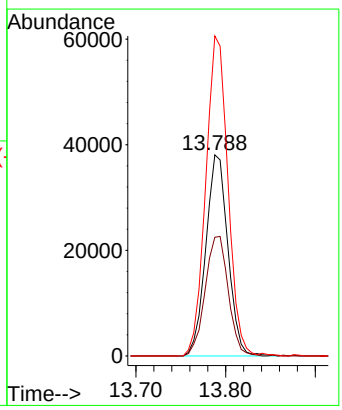




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086193.D
Acq: 01 Apr 2025 13:29

Tgt Ion:152 Resp: 65170

Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.1	93.2
150	159.8	0.0	359.6



Sample Results: **VN086193.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Title : SW846 8260

Signal : TIC: VN086193.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.818	141	147	152	rVB3	3923	7612	1.34%	0.250%
2	8.165	1047	1056	1060	rBV3	100509	229612	40.35%	7.532%
3	8.224	1060	1066	1074	rVB	146759	327141	57.49%	10.731%
4	8.577	1116	1126	1135	rBV	93878	216311	38.01%	7.095%
5	8.665	1135	1141	1144	rBV4	2654	5876	1.03%	0.193%
6	8.765	1151	1158	1169	rVB5	7466	27726	4.87%	0.909%
7	9.100	1207	1215	1225	rBV	214341	428780	75.35%	14.065%
8	10.565	1455	1464	1472	rBV	315985	569071	100.00%	18.666%
9	11.865	1678	1685	1696	rVB	275450	492139	86.48%	16.143%
10	12.847	1843	1852	1863	rBV	209830	358078	62.92%	11.746%
11	13.788	2006	2012	2020	rBV	226113	386292	67.88%	12.671%

Sum of corrected areas: 3048638

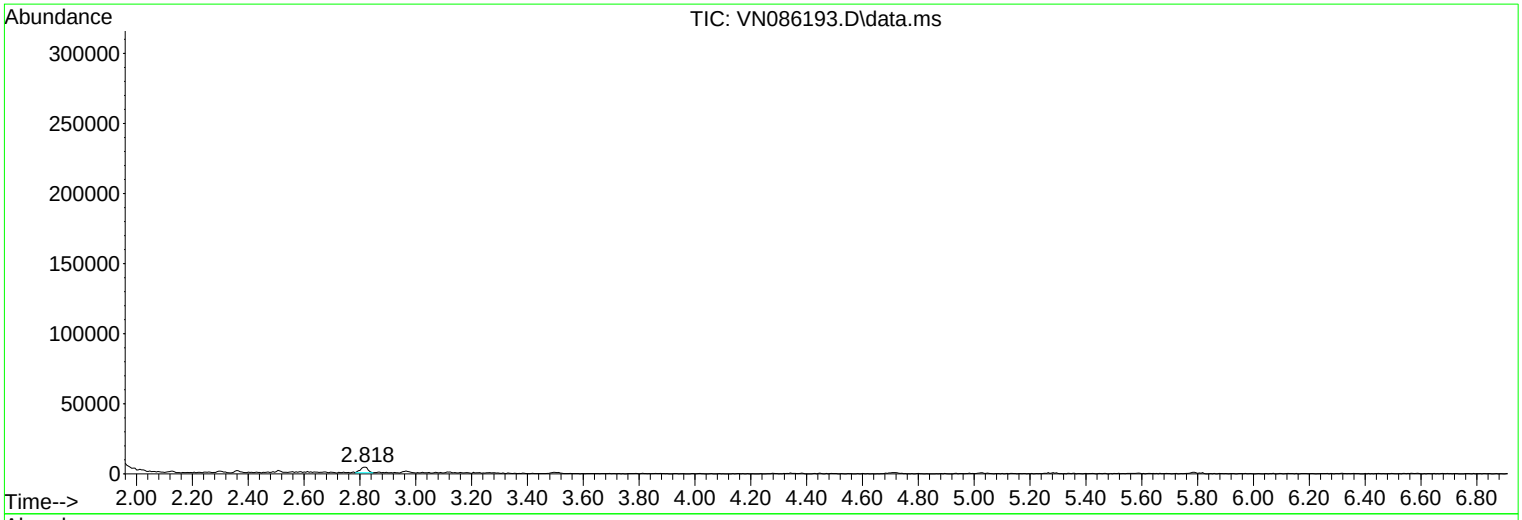
Sample Results: **VN086193.D**

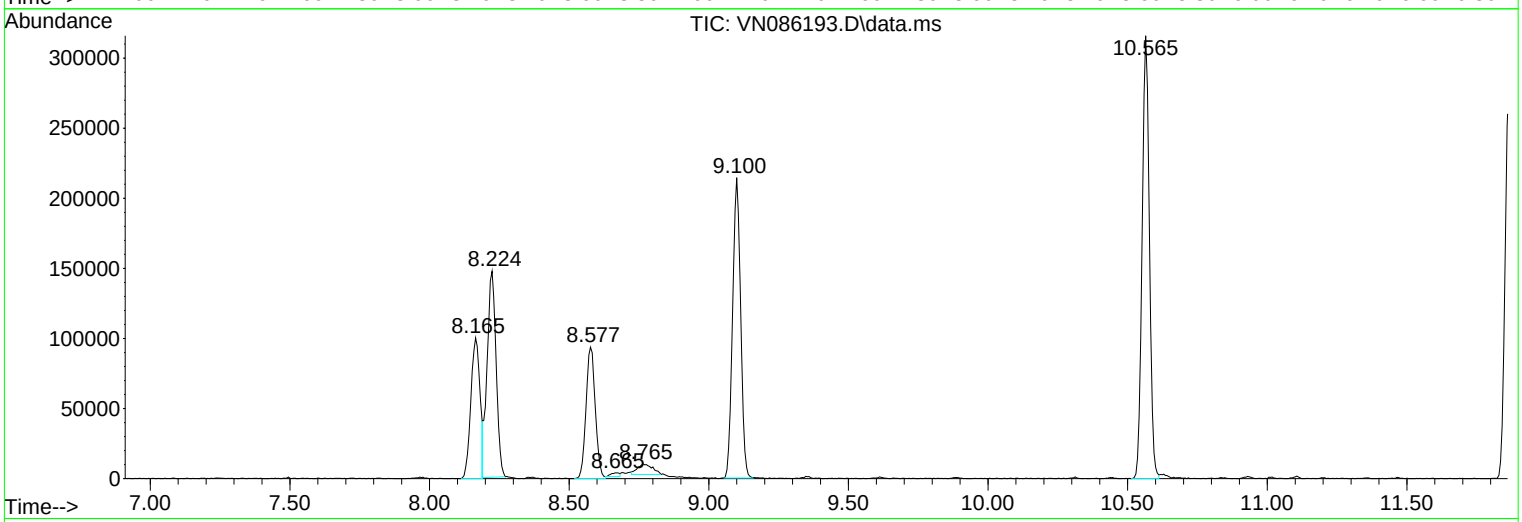
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

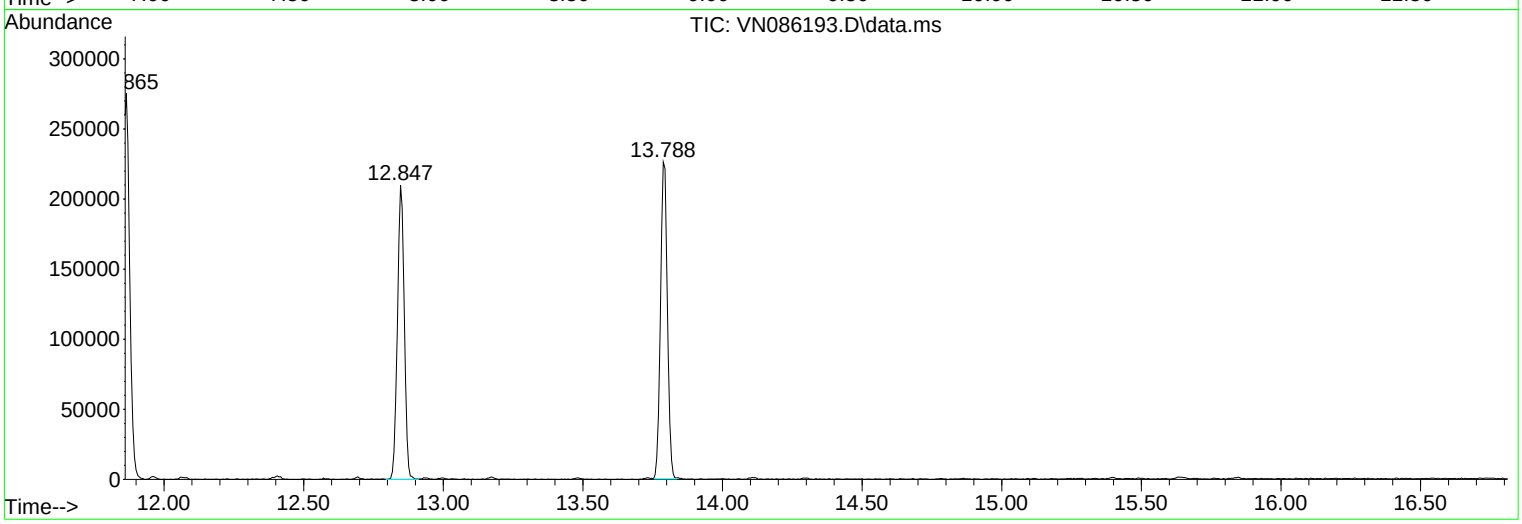
Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VN086193.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086193.D
Acq On : 01 Apr 2025 13:29
Operator : JC\MD
Sample : VN0401WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086194.D
Acq On : 01 Apr 2025 13:54
Operator : JC\MD
Sample : VN0401WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 01:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	124765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	197440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	188658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	88944	52.061	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.120%			
35) Dibromofluoromethane	8.165	113	68069	49.393	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.780%			
50) Toluene-d8	10.565	98	248615	49.707	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.420%			
62) 4-Bromofluorobenzene	12.847	95	91284	51.176	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	40556	24.536	ug/l	98
3) Chloromethane	2.359	50	28996	20.010	ug/l	97
4) Vinyl Chloride	2.512	62	32567	21.980	ug/l	99
5) Bromomethane	2.953	94	20347	20.161	ug/l #	77
6) Chloroethane	3.118	64	18693	19.999	ug/l	93
7) Trichlorofluoromethane	3.495	101	53834	20.212	ug/l	96
8) Diethyl Ether	3.965	74	13181	16.166	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	27519	19.440	ug/l	98
10) Methyl Iodide	4.589	142	32348	17.538	ug/l #	82
11) Tert butyl alcohol	5.524	59	20333	84.060	ug/l	99
12) 1,1-Dichloroethene	4.348	96	23281	18.214	ug/l	92
13) Acrolein	4.183	56	13313	51.602	ug/l	91
14) Allyl chloride	5.024	41	24353	15.272	ug/l	92
15) Acrylonitrile	5.718	53	54212	84.862	ug/l	98
16) Acetone	4.424	43	42813	82.025	ug/l	96
17) Carbon Disulfide	4.712	76	70649	16.807	ug/l	99
18) Methyl Acetate	5.024	43	21369	16.547	ug/l	94
19) Methyl tert-butyl Ether	5.794	73	76425	18.246	ug/l	93
20) Methylene Chloride	5.277	84	27861	18.247	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	26530	18.992	ug/l	85
22) Diisopropyl ether	6.665	45	58841	17.315	ug/l	98
23) Vinyl Acetate	6.606	43	217474	84.422	ug/l	98
24) 1,1-Dichloroethane	6.565	63	45668	18.276	ug/l	98
25) 2-Butanone	7.483	43	63314	84.066	ug/l	93
26) 2,2-Dichloropropane	7.488	77	48649	20.222	ug/l	96
27) cis-1,2-Dichloroethene	7.488	96	29027	18.286	ug/l	99
28) Bromochloromethane	7.818	49	21651	20.450	ug/l	90
29) Tetrahydrofuran	7.836	42	40639	87.403	ug/l	92
30) Chloroform	7.965	83	55140	19.964	ug/l	99
31) Cyclohexane	8.253	56	36426	17.111	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	54519	20.852	ug/l	97
36) 1,1-Dichloropropene	8.371	75	35665	19.654	ug/l	99
37) Ethyl Acetate	7.565	43	25776	16.837	ug/l	98
38) Carbon Tetrachloride	8.359	117	52370	21.950	ug/l	97
39) Methylcyclohexane	9.600	83	32581	18.097	ug/l	96
40) Benzene	8.600	78	110022	19.314	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086194.D
Acq On : 01 Apr 2025 13:54
Operator : JC\MD
Sample : VN0401WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 01:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	12447	17.027	ug/l	#	91
42) 1,2-Dichloroethane	8.671	62	40799	20.555	ug/l		100
43) Isopropyl Acetate	8.688	43	50249	15.147	ug/l		95
44) Trichloroethene	9.353	130	27756	18.800	ug/l		99
45) 1,2-Dichloropropane	9.618	63	24894	19.214	ug/l		94
46) Dibromomethane	9.706	93	20918	20.529	ug/l		99
47) Bromodichloromethane	9.882	83	43923	20.626	ug/l		98
48) Methyl methacrylate	9.682	41	20258	18.506	ug/l		97
49) 1,4-Dioxane	9.688	88	10040	387.972	ug/l		91
51) 4-Methyl-2-Pentanone	10.441	43	143952	98.393	ug/l		99
52) Toluene	10.629	92	74584	21.333	ug/l		98
53) t-1,3-Dichloropropene	10.835	75	39964	19.324	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	42797	19.613	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	27763	20.805	ug/l		96
56) Ethyl methacrylate	10.871	69	35888	19.705	ug/l		97
57) 1,3-Dichloropropane	11.159	76	45888	20.246	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	74119	106.866	ug/l		99
59) 2-Hexanone	11.194	43	107267	100.644	ug/l		98
60) Dibromochloromethane	11.359	129	36729	21.330	ug/l		96
61) 1,2-Dibromoethane	11.465	107	27453	20.039	ug/l		95
64) Tetrachloroethene	11.100	164	30094	19.997	ug/l		95
65) Chlorobenzene	11.888	112	79577	18.433	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	32796	20.436	ug/l		98
67) Ethyl Benzene	11.965	91	128684	18.635	ug/l		97
68) m/p-Xylenes	12.071	106	107795	39.715	ug/l		99
69) o-Xylene	12.400	106	49390	19.826	ug/l		97
70) Styrene	12.412	104	82905	19.484	ug/l		99
71) Bromoform	12.576	173	26515	19.765	ug/l	#	98
73) Isopropylbenzene	12.694	105	121830	17.656	ug/l		100
74) N-amyl acetate	12.494	43	38325	16.601	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	39762	17.033	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	39036m	17.256	ug/l		
77) Bromobenzene	12.976	156	33321	17.318	ug/l		99
78) n-propylbenzene	13.035	91	144762	18.527	ug/l		99
79) 2-Chlorotoluene	13.123	91	94739	18.255	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	110547	18.976	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	13286	15.527	ug/l		89
82) 4-Chlorotoluene	13.218	91	98122	18.385	ug/l		99
83) tert-Butylbenzene	13.435	119	86115	17.283	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	108868	18.528	ug/l		97
85) sec-Butylbenzene	13.612	105	119683	18.413	ug/l		100
86) p-Isopropyltoluene	13.729	119	100839	18.327	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	62468	18.012	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	64204	17.620	ug/l		98
89) n-Butylbenzene	14.053	91	76217	17.010	ug/l		98
90) Hexachloroethane	14.329	117	22577	17.783	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	61071	17.714	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	8286	17.782	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	26735	15.422	ug/l		99
94) Hexachlorobutadiene	15.494	225	17415	17.316	ug/l		99
95) Naphthalene	15.635	128	71366	14.217	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	27926	16.977	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086194.D
Acq On : 01 Apr 2025 13:54
Operator : JC\MD
Sample : VN0401WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 01:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

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

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

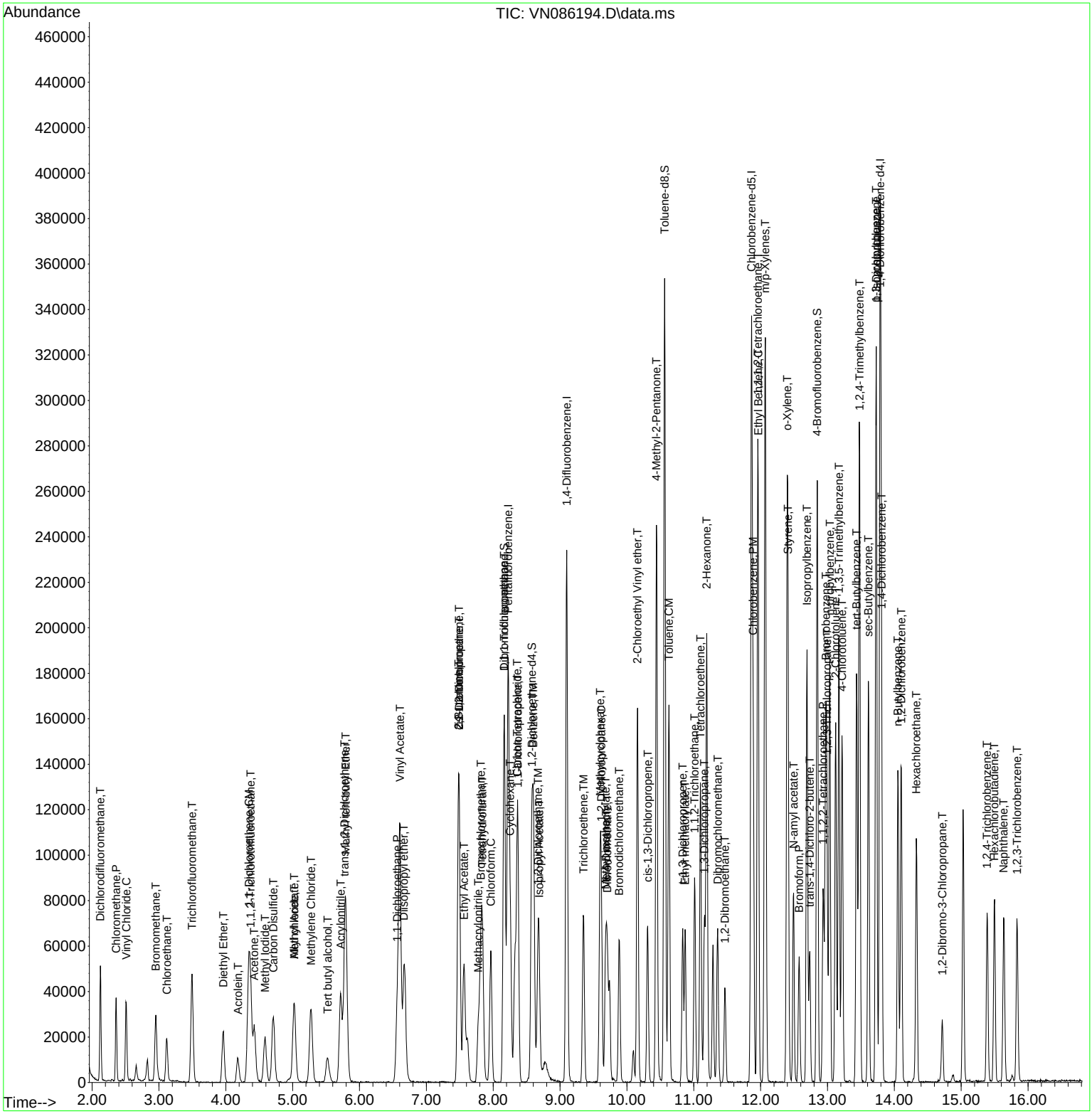
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086194.D
Acq On : 01 Apr 2025 13:54
Operator : JC\MD
Sample : VN0401WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 02 01:52:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086195.D
Acq On : 01 Apr 2025 14:48
Operator : JC\MD
Sample : VN0401WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 01:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	113137	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	183169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	166660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	87066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	83687	54.018	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.040%			
35) Dibromofluoromethane	8.165	113	60556	47.365	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.740%			
50) Toluene-d8	10.565	98	223904	48.255	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.500%			
62) 4-Bromofluorobenzene	12.847	95	79895	48.281	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	33760	22.523	ug/l	100
3) Chloromethane	2.359	50	28209	21.468	ug/l	93
4) Vinyl Chloride	2.512	62	27841	20.722	ug/l	97
5) Bromomethane	2.953	94	18876	20.625	ug/l	96
6) Chloroethane	3.118	64	15574	18.375	ug/l	96
7) Trichlorofluoromethane	3.500	101	42592	17.635	ug/l	96
8) Diethyl Ether	3.953	74	11148	15.078	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.377	101	21799	16.982	ug/l	98
10) Methyl Iodide	4.589	142	27896	16.678	ug/l	93
11) Tert butyl alcohol	5.524	59	16691	76.095	ug/l #	90
12) 1,1-Dichloroethene	4.347	96	17584	15.171	ug/l	96
13) Acrolein	4.183	56	10756	45.976	ug/l	95
14) Allyl chloride	5.018	41	20007	13.836	ug/l	93
15) Acrylonitrile	5.718	53	46094	79.571	ug/l	98
16) Acetone	4.424	43	35852	75.748	ug/l	95
17) Carbon Disulfide	4.712	76	55700	14.612	ug/l #	94
18) Methyl Acetate	5.018	43	19035	16.255	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	66821	17.593	ug/l	96
20) Methylene Chloride	5.277	84	23590	17.037	ug/l #	90
21) trans-1,2-Dichloroethene	5.794	96	20485	16.172	ug/l	89
22) Diisopropyl ether	6.671	45	49664	16.117	ug/l	97
23) Vinyl Acetate	6.600	43	185098	79.239	ug/l	94
24) 1,1-Dichloroethane	6.571	63	38444	16.966	ug/l	95
25) 2-Butanone	7.483	43	55521	81.296	ug/l	97
26) 2,2-Dichloropropane	7.488	77	38865	17.815	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	25048	17.401	ug/l	98
28) Bromochloromethane	7.812	49	20134	20.972	ug/l	99
29) Tetrahydrofuran	7.835	42	37016	87.793	ug/l	96
30) Chloroform	7.965	83	47939	19.140	ug/l	97
31) Cyclohexane	8.253	56	30558	15.830	ug/l	92
32) 1,1,1-Trichloroethane	8.165	97	46301	19.529	ug/l	96
36) 1,1-Dichloropropene	8.371	75	28262	16.788	ug/l	97
37) Ethyl Acetate	7.559	43	24418	17.193	ug/l	96
38) Carbon Tetrachloride	8.359	117	44022	19.888	ug/l	98
39) Methylcyclohexane	9.600	83	28388	16.997	ug/l	97
40) Benzene	8.600	78	97718	18.490	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086195.D
Acq On : 01 Apr 2025 14:48
Operator : JC\MD
Sample : VN0401WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 01:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	11516	16.981	ug/l		98
42) 1,2-Dichloroethane	8.671	62	37024	20.106	ug/l		100
43) Isopropyl Acetate	8.682	43	46177	15.004	ug/l		95
44) Trichloroethene	9.353	130	24073	17.575	ug/l		91
45) 1,2-Dichloropropane	9.618	63	22945	19.089	ug/l		97
46) Dibromomethane	9.706	93	18995	20.094	ug/l		98
47) Bromodichloromethane	9.882	83	40332	20.415	ug/l		98
48) Methyl methacrylate	9.677	41	17335	17.069	ug/l		91
49) 1,4-Dioxane	9.694	88	9146	380.962	ug/l		99
51) 4-Methyl-2-Pentanone	10.441	43	130353	96.040	ug/l		97
52) Toluene	10.624	92	63760	19.658	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	37143	19.359	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	37925	18.735	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	24452	19.752	ug/l		98
56) Ethyl methacrylate	10.871	69	30960	18.441	ug/l	#	95
57) 1,3-Dichloropropane	11.159	76	40240	19.137	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	60080	94.789	ug/l		99
59) 2-Hexanone	11.194	43	92497	93.547	ug/l		96
60) Dibromochloromethane	11.353	129	32757	20.505	ug/l		97
61) 1,2-Dibromoethane	11.465	107	24999	19.670	ug/l		99
64) Tetrachloroethene	11.100	164	25293	19.025	ug/l		92
65) Chlorobenzene	11.888	112	67422	17.679	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	27197	19.184	ug/l		98
67) Ethyl Benzene	11.959	91	103947	17.039	ug/l		99
68) m/p-Xylenes	12.070	106	84055	35.056	ug/l		96
69) o-Xylene	12.394	106	39205	17.815	ug/l		97
70) Styrene	12.412	104	67805	18.039	ug/l		99
71) Bromoform	12.576	173	22734	19.183	ug/l	#	99
73) Isopropylbenzene	12.694	105	98386	16.548	ug/l		99
74) N-amyl acetate	12.494	43	33437	16.809	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	34314	17.059	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	33882m	17.382	ug/l		
77) Bromobenzene	12.976	156	29628	17.871	ug/l		93
78) n-propylbenzene	13.029	91	116395	17.288	ug/l		99
79) 2-Chlorotoluene	13.123	91	76707	17.153	ug/l		98
80) 1,3,5-Trimethylbenzene	13.170	105	87826	17.496	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	10739	14.566	ug/l	#	79
82) 4-Chlorotoluene	13.217	91	79137	17.209	ug/l		99
83) tert-Butylbenzene	13.435	119	69288	16.139	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	88991	17.577	ug/l		100
85) sec-Butylbenzene	13.612	105	95320	17.019	ug/l		97
86) p-Isopropyltoluene	13.723	119	79828	16.838	ug/l		96
87) 1,3-Dichlorobenzene	13.729	146	51831	17.345	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	51399	16.371	ug/l		97
89) n-Butylbenzene	14.053	91	59567	15.429	ug/l		99
90) Hexachloroethane	14.329	117	17296	15.810	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	49784	16.758	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	6991	17.411	ug/l		92
93) 1,2,4-Trichlorobenzene	15.388	180	22364	14.972	ug/l		98
94) Hexachlorobutadiene	15.494	225	14546	16.785	ug/l		99
95) Naphthalene	15.635	128	63201	14.612	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	22147	15.626	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086195.D
Acq On : 01 Apr 2025 14:48
Operator : JC\MD
Sample : VN0401WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 01:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

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

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

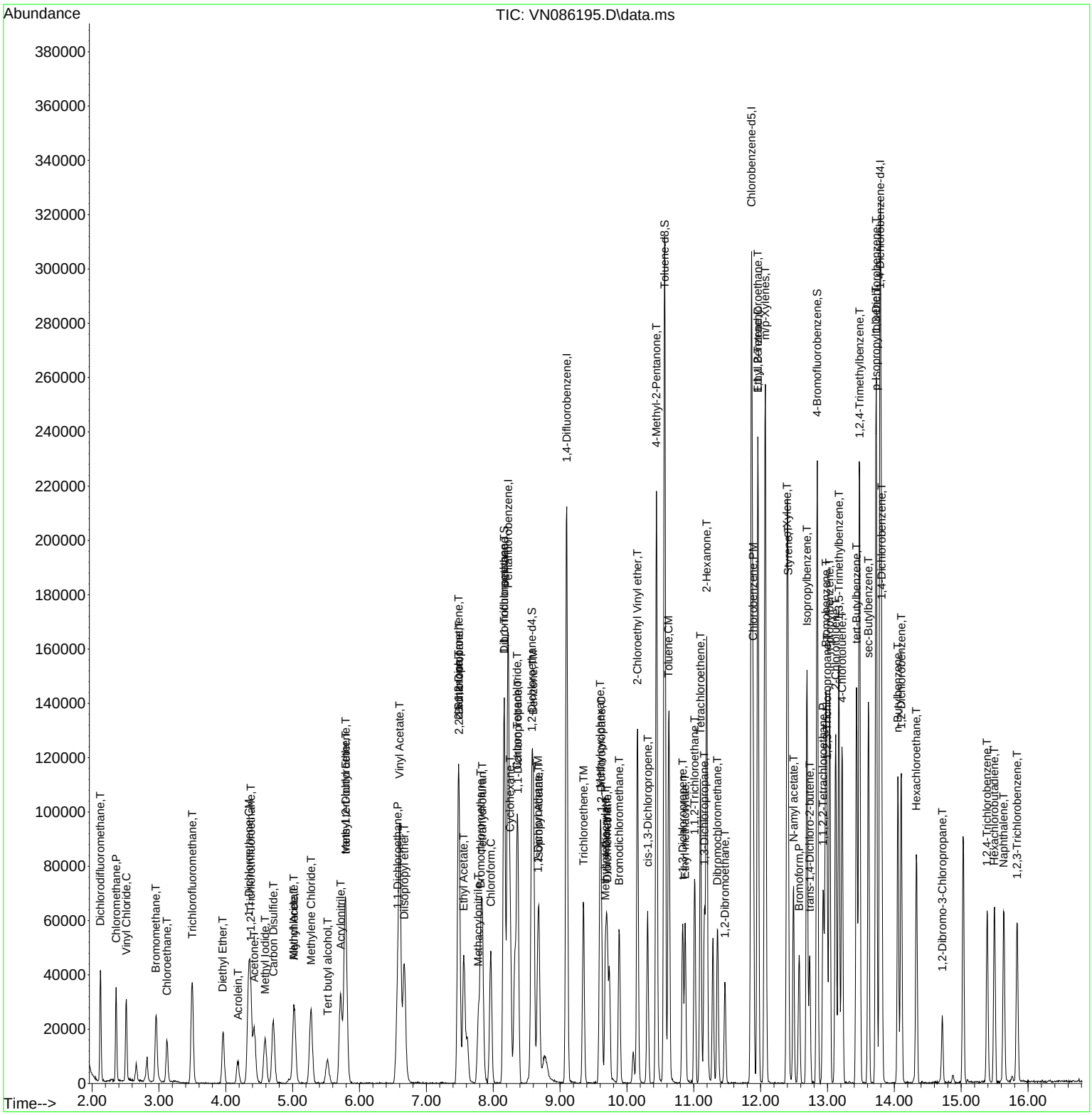
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040125\
Data File : VN086195.D
Acq On : 01 Apr 2025 14:48
Operator : JC\MD
Sample : VN0401WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 02 01:53:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 19 03:20:56 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0401WBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



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

Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085996.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:30 AM	MMDadoda	3/19/2025 2:21:56 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICCC050	VN085997.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:35 AM	MMDadoda	3/19/2025 2:21:58 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC020	VN085998.D	Vinyl Acetate	JOHN	3/19/2025 9:42:41 AM	MMDadoda	3/19/2025 2:22:00 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC010	VN085999.D	Isopropyl Acetate	JOHN	3/19/2025 9:42:46 AM	MMDadoda	3/19/2025 2:22:02 PM	Peak Integrated by Software
VSTDICC005	VN086000.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:51 AM	MMDadoda	3/19/2025 2:22:03 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1,2-Trichlorotrifluoroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,1-Dichloroethane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	1,4-Dichlorobenzene	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN031825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086001.D	Diisopropyl ether	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICC001	VN086001.D	Ethyl Acetate	JOHN	3/19/2025 9:42:57 AM	MMDadoda	3/19/2025 2:22:05 PM	Peak Integrated by Software
VSTDICV050	VN086003.D	1,2,3-Trichloropropane	JOHN	3/19/2025 9:43:04 AM	MMDadoda	3/19/2025 2:22:08 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn040125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086191.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:34 PM	MMDadoda	4/2/2025 2:15:48 PM	Peak Integrated by Software
VN0401WBS01	VN086194.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:35 PM	MMDadoda	4/2/2025 2:15:27 PM	Peak Integrated by Software
VN0401WBSD01	VN086195.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:46 PM	MMDadoda	4/2/2025 2:15:29 PM	Peak Integrated by Software
VSTDCCC050	VN086199.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:56 PM	MMDadoda	4/2/2025 2:15:42 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085994.D	18 Mar 2025 08:52	JC\MD	Ok
2	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	JC\MD	Not Ok
3	VSTDICC100	VN085996.D	18 Mar 2025 11:44	JC\MD	Ok,M
4	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	JC\MD	Ok,M
5	VSTDICC020	VN085998.D	18 Mar 2025 12:32	JC\MD	Ok,M
6	VSTDICC010	VN085999.D	18 Mar 2025 12:57	JC\MD	Ok,M
7	VSTDICC005	VN086000.D	18 Mar 2025 13:21	JC\MD	Ok,M
8	VSTDICC001	VN086001.D	18 Mar 2025 14:09	JC\MD	Ok,M
9	IBLK	VN086002.D	18 Mar 2025 14:34	JC\MD	Ok
10	VSTDICV050	VN086003.D	18 Mar 2025 16:49	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN040125

Review By	John Carlone	Review On	4/2/2025 9:47:49 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:02 PM		
SubDirectory	VN040125	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133553
Initial Calibration Stds	
CCC	VP133554,VP133558
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086190.D	01 Apr 2025 11:41	JC\MD	Ok
2	VSTDCCC050	VN086191.D	01 Apr 2025 12:30	JC\MD	Ok,M
3	VN0401MBL01	VN086192.D	01 Apr 2025 13:05	JC\MD	Ok
4	VN0401WBL01	VN086193.D	01 Apr 2025 13:29	JC\MD	Ok
5	VN0401WBS01	VN086194.D	01 Apr 2025 13:54	JC\MD	Ok,M
6	VN0401WBSD01	VN086195.D	01 Apr 2025 14:48	JC\MD	Ok,M
7	Q1659-01	VN086196.D	01 Apr 2025 15:13	JC\MD	Ok
8	Q1659-02	VN086197.D	01 Apr 2025 15:37	JC\MD	Not Ok
9	Q1690-01	VN086198.D	01 Apr 2025 16:01	JC\MD	Ok
10	VSTDCCC050	VN086199.D	01 Apr 2025 16:35	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN031825

Review By	John Carlone	Review On	3/19/2025 9:43:20 AM		
Supervise By	Mahesh Dadoda	Supervise On	3/19/2025 2:22:13 PM		
SubDirectory	VN031825	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133352
Initial Calibration Stds	VP133393,VP133394,VP133395,VP133396,VP133397,VP133399
CCC	VP133353
Internal Standard/PEM	
ICV/I.BLK	VP133401
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085994.D	18 Mar 2025 08:52		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085995.D	18 Mar 2025 10:55	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN085996.D	18 Mar 2025 11:44		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN085997.D	18 Mar 2025 12:08	Comp.#56 and 58 is on Quadratic Regression	JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN085998.D	18 Mar 2025 12:32		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN085999.D	18 Mar 2025 12:57	%D failed for Comp. #58 in 01PPB and 20PPB	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN086000.D	18 Mar 2025 13:21		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN086001.D	18 Mar 2025 14:09		JC\MD	Ok,M
9	IBLK	IBLK	VN086002.D	18 Mar 2025 14:34		JC\MD	Ok
10	VSTDICV050	ICVVN031825	VN086003.D	18 Mar 2025 16:49	ICV Failed for comp. #39,52,58,68,69,70,78,80,84,85, 86,89 For DOD	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN040125

Review By	John Carlone	Review On	4/2/2025 9:47:49 AM		
Supervise By	Amit Patel	Supervise On	4/2/2025 2:14:02 PM		
SubDirectory	VN040125	HP Acquire Method		HP Processing Method	82N031825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133553
Initial Calibration Stds	
CCC	VP133554,VP133558
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086190.D	01 Apr 2025 11:41		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086191.D	01 Apr 2025 12:30	pH#Lot#V12668	JC\MD	Ok,M
3	VN0401MBL01	VN0401MBL01	VN086192.D	01 Apr 2025 13:05		JC\MD	Ok
4	VN0401WBL01	VN0401WBL01	VN086193.D	01 Apr 2025 13:29		JC\MD	Ok
5	VN0401WBS01	VN0401WBS01	VN086194.D	01 Apr 2025 13:54		JC\MD	Ok,M
6	VN0401WBSD01	VN0401WBSD01	VN086195.D	01 Apr 2025 14:48		JC\MD	Ok,M
7	Q1659-01	3808	VN086196.D	01 Apr 2025 15:13	vial A pH<2	JC\MD	Ok
8	Q1659-02	3809	VN086197.D	01 Apr 2025 15:37	RT Shifted ;Internal Standards fail,surrogate fail;Need Straight Run	JC\MD	Not Ok
9	Q1690-01	MW112010	VN086198.D	01 Apr 2025 16:01	vial A pH<2	JC\MD	Ok
10	VSTDCCC050	VSTDCCC050EC	VN086199.D	01 Apr 2025 16:35		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1690	**OrderDate:**	4/1/2025 12:32:10 PM
Client:	G Environmental	**Project:**	TGP
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1690-01	**MW112010**	**Water**			**03/31/25**			**04/01/25**
			VOC-TCLVOA-10	8260D			04/01/25	