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

Hit Summary Sheet
SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**B-180-SB01**								
P4471-01	B-180-SB01	SOIL	Methylene Chloride		3.60	J	2.50	7.30	ug/Kg
P4471-01	B-180-SB01	SOIL	Methylcyclohexane		0.75	J	0.63	3.60	ug/Kg
P4471-01	B-180-SB01	SOIL	Toluene		1.80	J	0.49	3.60	ug/Kg
P4471-01	B-180-SB01	SOIL	m/p-Xylenes		2.00	J	0.98	7.30	ug/Kg
P4471-01	B-180-SB01	SOIL	o-Xylene		0.85	J	0.51	3.60	ug/Kg
			Total Voc :		9.00				
P4471-01	B-180-SB01	SOIL	1,2,4-Trimethylbenzene	*	2.30	J	0.99	3.60	ug/Kg
			Total Tics :		2.30				
			Total Concentration:		11.3				
Client ID:	**B-180-SB02**								
P4471-02	B-180-SB02	SOIL	Acetone		360		16.7	66.9	ug/Kg
P4471-02	B-180-SB02	SOIL	Carbon Disulfide		25.8		3.40	13.4	ug/Kg
P4471-02	B-180-SB02	SOIL	2-Butanone		100		15.2	66.9	ug/Kg
P4471-02	B-180-SB02	SOIL	Toluene		5.60	J	1.80	13.4	ug/Kg
P4471-02	B-180-SB02	SOIL	m/p-Xylenes		4.20	J	3.60	26.7	ug/Kg
P4471-02	B-180-SB02	SOIL	Isopropylbenzene		120		1.80	13.4	ug/Kg
			Total Voc :		616				
P4471-02	B-180-SB02	SOIL	unknown13.669	*	110	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Camphene	*	86.7	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Bicyclo[2.2.1]heptane, 7,7-dim	*	64.0	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Cyclohexene, 4-methyl-1-(1-m	*	120	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Tridecane	*	55.0	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Octane, 2,6-dimethyl-	*	41.1	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Naphthalene, decahydro-2-metl	*	83.7	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Dodecane, 6-methyl-	*	64.9	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	1-Iodo-2-methylnonane	*	88.7	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Diethyl Ether	*	3.00	J	1.70	13.4	ug/Kg
P4471-02	B-180-SB02	SOIL	1,2,4-Trimethylbenzene	*	6.50	J	3.70	13.4	ug/Kg
P4471-02	B-180-SB02	SOIL	p-Isopropyltoluene	*	290	J	1.60	13.4	ug/Kg
			Total Tics :		1010				
			Total Concentration:		1630				

SAMPLE DATA

Raw Data: **VY019979.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	10/19/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB01	SDG No.:	P4471
Lab Sample ID:	P4471-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.8
Sample Wt/Vol:	8.32 Units: g	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
VY019979.D	1		10/22/24 14:23	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	3.60	ug/Kg
74-87-3	Chloromethane	0.84	U	0.84	3.60	ug/Kg
75-01-4	Vinyl Chloride	0.56	U	0.56	3.60	ug/Kg
74-83-9	Bromomethane	0.75	U	0.75	3.60	ug/Kg
75-00-3	Chloroethane	0.73	U	0.73	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.66	U	0.66	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.57	U	0.57	3.60	ug/Kg
67-64-1	Acetone	4.50	U	4.50	18.1	ug/Kg
75-15-0	Carbon Disulfide	0.93	U	0.93	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.49	U	0.49	3.60	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	3.60	ug/Kg
75-09-2	Methylene Chloride	3.60	J	2.50	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.61	U	0.61	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.46	U	0.46	3.60	ug/Kg
110-82-7	Cyclohexane	0.50	U	0.50	3.60	ug/Kg
78-93-3	2-Butanone	4.10	U	4.10	18.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.63	U	0.63	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.44	U	0.44	3.60	ug/Kg
74-97-5	Bromochloromethane	1.80	U	1.80	3.60	ug/Kg
67-66-3	Chloroform	0.49	U	0.49	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.57	U	0.57	3.60	ug/Kg
108-87-2	Methylcyclohexane	0.75	J	0.63	3.60	ug/Kg
71-43-2	Benzene	0.52	U	0.52	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.44	U	0.44	3.60	ug/Kg
79-01-6	Trichloroethene	0.54	U	0.54	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.48	U	0.48	3.60	ug/Kg
75-27-4	Bromodichloromethane	0.41	U	0.41	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	18.1	ug/Kg
108-88-3	Toluene	1.80	J	0.49	3.60	ug/Kg

Raw Data: **VY019979.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/19/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB01	SDG No.:	P4471
Lab Sample ID:	P4471-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.8
Sample Wt/Vol:	8.32 Units: g	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
VY019979.D	1		10/22/24 14:23	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.44	U	0.44	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.41	U	0.41	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.61	U	0.61	3.60	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	18.1	ug/Kg
124-48-1	Dibromochloromethane	0.47	U	0.47	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.57	U	0.57	3.60	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	3.60	ug/Kg
108-90-7	Chlorobenzene	0.54	U	0.54	3.60	ug/Kg
100-41-4	Ethyl Benzene	0.45	U	0.45	3.60	ug/Kg
179601-23-1	m/p-Xylenes	2.00	J	0.98	7.30	ug/Kg
95-47-6	o-Xylene	0.85	J	0.51	3.60	ug/Kg
100-42-5	Styrene	0.44	U	0.44	3.60	ug/Kg
75-25-2	Bromoform	0.59	U	0.59	3.60	ug/Kg
98-82-8	Isopropylbenzene	0.49	U	0.49	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.80	U	0.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.54	U	0.54	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.58	U	0.58	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.43	U	0.43	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.57	U	0.57	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.57	U	0.57	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		70 (50) - 130 (163)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (58) - 130 (134)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		70 (29) - 130 (146)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	272000	7.707			
540-36-3	1,4-Difluorobenzene	558000	8.616			
3114-55-4	Chlorobenzene-d5	507000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	178000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY019979.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/19/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB01	SDG No.:	P4471
Lab Sample ID:	P4471-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.8
Sample Wt/Vol:	8.32 Units: g	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
VY019979.D	1		10/22/24 14:23	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	2.30	J		13.0	ug/Kg

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: **VY019993.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/20/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB02	SDG No.:	P4471
Lab Sample ID:	P4471-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	49.2
Sample Wt/Vol:	3.8 Units: g	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
VY019993.D	1		10/23/24 14:45	VY102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.40	U	4.40	13.4	ug/Kg
74-87-3	Chloromethane	3.10	U	3.10	13.4	ug/Kg
75-01-4	Vinyl Chloride	2.10	U	2.10	13.4	ug/Kg
74-83-9	Bromomethane	2.80	U	2.80	13.4	ug/Kg
75-00-3	Chloroethane	2.70	U	2.70	13.4	ug/Kg
75-69-4	Trichlorofluoromethane	2.40	U	2.40	13.4	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.90	U	2.90	13.4	ug/Kg
75-35-4	1,1-Dichloroethene	2.10	U	2.10	13.4	ug/Kg
67-64-1	Acetone	360		16.7	66.9	ug/Kg
75-15-0	Carbon Disulfide	25.8		3.40	13.4	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	1.80	13.4	ug/Kg
79-20-9	Methyl Acetate	4.80	U	4.80	13.4	ug/Kg
75-09-2	Methylene Chloride	9.10	U	9.10	26.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.20	U	2.20	13.4	ug/Kg
75-34-3	1,1-Dichloroethane	1.70	U	1.70	13.4	ug/Kg
110-82-7	Cyclohexane	1.80	U	1.80	13.4	ug/Kg
78-93-3	2-Butanone	100		15.2	66.9	ug/Kg
56-23-5	Carbon Tetrachloride	2.30	U	2.30	13.4	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.60	U	1.60	13.4	ug/Kg
74-97-5	Bromochloromethane	6.50	U	6.50	13.4	ug/Kg
67-66-3	Chloroform	1.80	U	1.80	13.4	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.10	U	2.10	13.4	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	2.30	13.4	ug/Kg
71-43-2	Benzene	1.90	U	1.90	13.4	ug/Kg
107-06-2	1,2-Dichloroethane	1.60	U	1.60	13.4	ug/Kg
79-01-6	Trichloroethene	2.00	U	2.00	13.4	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	1.80	13.4	ug/Kg
75-27-4	Bromodichloromethane	1.50	U	1.50	13.4	ug/Kg
108-10-1	4-Methyl-2-Pentanone	11.6	U	11.6	66.9	ug/Kg
108-88-3	Toluene	5.60	J	1.80	13.4	ug/Kg

Raw Data: **VY019993.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/20/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB02	SDG No.:	P4471
Lab Sample ID:	P4471-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	49.2
Sample Wt/Vol:	3.8 Units: g	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
VY019993.D	1		10/23/24 14:45	VY102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.60	U	1.60	13.4	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.50	U	1.50	13.4	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.20	U	2.20	13.4	ug/Kg
591-78-6	2-Hexanone	12.8	U	12.8	66.9	ug/Kg
124-48-1	Dibromochloromethane	1.70	U	1.70	13.4	ug/Kg
106-93-4	1,2-Dibromoethane	2.10	U	2.10	13.4	ug/Kg
127-18-4	Tetrachloroethene	2.40	U	2.40	13.4	ug/Kg
108-90-7	Chlorobenzene	2.00	U	2.00	13.4	ug/Kg
100-41-4	Ethyl Benzene	1.70	U	1.70	13.4	ug/Kg
179601-23-1	m/p-Xylenes	4.20	J	3.60	26.7	ug/Kg
95-47-6	o-Xylene	1.90	U	1.90	13.4	ug/Kg
100-42-5	Styrene	1.60	U	1.60	13.4	ug/Kg
75-25-2	Bromoform	2.20	U	2.20	13.4	ug/Kg
98-82-8	Isopropylbenzene	120		1.80	13.4	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.90	U	2.90	13.4	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.00	U	2.00	13.4	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.10	U	2.10	13.4	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	13.4	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.20	U	4.20	13.4	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.10	U	2.10	13.4	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.10	U	2.10	13.4	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		70 (50) - 130 (163)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (58) - 130 (134)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	34.7	*	70 (29) - 130 (146)	69%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	211000	7.707			
540-36-3	1,4-Difluorobenzene	423000	8.615			
3114-55-4	Chlorobenzene-d5	336000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	95100	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY019993.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/20/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	B-180-SB02	SDG No.:	P4471
Lab Sample ID:	P4471-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	49.2
Sample Wt/Vol:	3.8 Units: g	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
VY019993.D	1		10/23/24 14:45	VY102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
60-29-7	Diethyl Ether	3.00	J		3.47	ug/Kg
000471-84-1	Bicyclo[2.2.1]heptane, 7,7-dimethy	64.0	J		12.5	ug/Kg
000079-92-5	Camphene	86.7	J		12.5	ug/Kg
000500-00-5	Cyclohexene, 4-methyl-1-(1-methyle	120	J		12.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	6.50	J		13.0	ug/Kg
99-87-6	p-Isopropyltoluene	290	J		13.3	ug/Kg
	unknown13.669	110	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	83.7	J		14.2	ug/Kg
1000101-47-9	1-Iodo-2-methylnonane	88.7	J		14.5	ug/Kg
006044-71-9	Dodecane, 6-methyl-	64.9	J		14.6	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	41.1	J		15.1	ug/Kg
000629-50-5	Tridecane	55.0	J		15.3	ug/Kg

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: **VN084444.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/08/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	TB100824	SDG No.:	P4471
Lab Sample ID:	P4471-03	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
VN084444.D	1		10/21/24 18:28	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Raw Data: **VN084444.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/08/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	TB100824	SDG No.:	P4471
Lab Sample ID:	P4471-03	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
VN084444.D	1		10/21/24 18:28	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.9		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	8.224			
540-36-3	1,4-Difluorobenzene	284000	9.1			
3114-55-4	Chlorobenzene-d5	245000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	92600	13.788			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/08/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/21/24
Client Sample ID:	TB100824	SDG No.:	P4471
Lab Sample ID:	P4471-03	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
VN084444.D	1		10/21/24 18:28	VN102124

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

QC SUMMARY

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

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4471-01	B-180-SB01	1,2-Dichloroethane-d4	50	55.9	112	70 (50)	130 (163)
		Dibromofluoromethane	50	49.9	100	70 (54)	130 (147)
		Toluene-d8	50	51.1	102	70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.6	87	70 (29)	130 (146)
P4471-02	B-180-SB02	1,2-Dichloroethane-d4	50	52.9	106	70 (50)	130 (163)
		Dibromofluoromethane	50	48.8	98	70 (54)	130 (147)
		Toluene-d8	50	49.6	99	70 (58)	130 (134)
		4-Bromofluorobenzene	50	34.7	69 *	70 (29)	130 (146)
VY1022SBL01	VY1022SBL01	1,2-Dichloroethane-d4	50	55.9	112	70 (50)	130 (163)
		Dibromofluoromethane	50	48.9	98	70 (54)	130 (147)
		Toluene-d8	50	50.6	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	40.3	81	70 (29)	130 (146)
VY1022SBS01	VY1022SBS01	1,2-Dichloroethane-d4	50	53.2	106	70 (50)	130 (163)
		Dibromofluoromethane	50	53.1	106	70 (54)	130 (147)
		Toluene-d8	50	51.4	103	70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.9	102	70 (29)	130 (146)
VY1022SBSD01	VY1022SBSD01	1,2-Dichloroethane-d4	50	56.9	114	70 (50)	130 (163)
		Dibromofluoromethane	50	56.0	112	70 (54)	130 (147)
		Toluene-d8	50	53.3	107	70 (58)	130 (134)
		4-Bromofluorobenzene	50	53.3	107	70 (29)	130 (146)
VY1023SBL01	VY1023SBL01	1,2-Dichloroethane-d4	50	53.8	108	70 (50)	130 (163)
		Dibromofluoromethane	50	49.9	100	70 (54)	130 (147)
		Toluene-d8	50	50.3	101	70 (58)	130 (134)
		4-Bromofluorobenzene	50	42.0	84	70 (29)	130 (146)
VY1023SBS01	VY1023SBS01	1,2-Dichloroethane-d4	50	59.4	119	70 (50)	130 (163)
		Dibromofluoromethane	50	57.1	114	70 (54)	130 (147)
		Toluene-d8	50	54.6	109	70 (58)	130 (134)
		4-Bromofluorobenzene	50	54.1	108	70 (29)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4471-03	TB100824	1,2-Dichloroethane-d4	50	49.5	99	70 (74)	130 (125)
		Dibromofluoromethane	50	52.5	105	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.9	90	70 (77)	130 (121)
VN1021WBL01	VN1021WBL01	1,2-Dichloroethane-d4	50	48.6	97	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	48.8	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.7	89	70 (77)	130 (121)
VN1021WBS01	VN1021WBS01	1,2-Dichloroethane-d4	50	50.5	101	70 (74)	130 (125)
		Dibromofluoromethane	50	54.3	109	70 (75)	130 (124)
		Toluene-d8	50	54.0	108	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.5	105	70 (77)	130 (121)
VN1021WBSD0	VN1021WBSD01	1,2-Dichloroethane-d4	50	51.1	102	70 (74)	130 (125)
		Dibromofluoromethane	50	52.8	106	70 (75)	130 (124)
		Toluene-d8	50	51.8	104	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.5	105	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084433.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1021WBS01	Dichlorodifluoromethane	20	16.1	ug/L	81			40 (69)	160 (116)	
	Chloromethane	20	16.1	ug/L	81			40 (65)	160 (116)	
	Vinyl chloride	20	16.7	ug/L	84			70 (65)	130 (117)	
	Bromomethane	20	16.5	ug/L	83			40 (58)	160 (125)	
	Chloroethane	20	15.0	ug/L	75			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.1	ug/L	91			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.6	ug/L	88			70 (74)	130 (110)	
	Acetone	100	87.5	ug/L	88			40 (60)	160 (125)	
	Carbon disulfide	20	14.2	ug/L	71			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.1	ug/L	91			70 (78)	130 (114)	
	Methyl Acetate	20	22.5	ug/L	113			70 (67)	130 (125)	
	Methylene Chloride	20	18.6	ug/L	93			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.2	ug/L	96			70 (78)	130 (112)	
	Cyclohexane	20	16.0	ug/L	80			70 (75)	130 (110)	
	2-Butanone	100	88.7	ug/L	89			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.9	ug/L	95			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.2	ug/L	91			70 (77)	130 (110)	
	Bromochloromethane	20	19.6	ug/L	98			70 (70)	130 (124)	
	Chloroform	20	19.0	ug/L	95			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.7	ug/L	94			70 (80)	130 (108)	
	Methylcyclohexane	20	16.2	ug/L	81			70 (72)	130 (115)	
	Benzene	20	19.0	ug/L	95			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.9	ug/L	95			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.6	ug/L	98			70 (83)	130 (111)	
	Bromodichloromethane	20	19.5	ug/L	98			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	96.8	ug/L	97			40 (74)	160 (118)	
	Toluene	20	19.6	ug/L	98			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.5	ug/L	93			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.9	ug/L	95			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			70 (83)	130 (112)	
	2-Hexanone	100	96.1	ug/L	96			40 (73)	160 (117)	
	Dibromochloromethane	20	20.1	ug/L	101			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.0	ug/L	95			70 (81)	130 (110)	
	Tetrachloroethene	20	18.9	ug/L	95			70 (67)	130 (123)	
	Chlorobenzene	20	19.2	ug/L	96			70 (82)	130 (109)	
	Ethyl Benzene	20	18.5	ug/L	93			70 (83)	130 (109)	
	m/p-Xylenes	40	38.5	ug/L	96			70 (82)	130 (110)	
	o-Xylene	20	20.0	ug/L	100			70 (83)	130 (109)	
	Styrene	20	19.5	ug/L	98			70 (80)	130 (111)	
	Bromoform	20	19.5	ug/L	98			70 (79)	130 (109)	
	Isopropylbenzene	20	18.2	ug/L	91			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.8	ug/L	94			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.3	ug/L	92			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.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084433.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1021WBS01	1,2-Dibromo-3-Chloropropane	20	17.1	ug/L	86			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.6	ug/L	88			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.2	ug/L	86			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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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.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084434.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1021WBSD01	Dichlorodifluoromethane	20	16.8	ug/L	84	4		40 (69)	160 (116)	20 (20)
	Chloromethane	20	16.3	ug/L	81	0		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	17.1	ug/L	86	2		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.0	ug/L	85	2		40 (58)	160 (125)	20 (20)
	Chloroethane	20	16.0	ug/L	80	6		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.0	ug/L	95	4		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97	6		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	17.7	ug/L	89	1		70 (74)	130 (110)	20 (20)
	Acetone	100	91.6	ug/L	92	4		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	14.5	ug/L	73	3		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.8	ug/L	99	8		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	24.0	ug/L	120	6		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.2	ug/L	101	8		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	6		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.6	ug/L	98	2		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	16.2	ug/L	81	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	96.8	ug/L	97	9		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.4	ug/L	97	2		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.2	ug/L	96	5		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	21.7	ug/L	109	11		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.1	ug/L	101	6		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.8	ug/L	99	5		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.0	ug/L	85	5		70 (72)	130 (115)	20 (20)
	Benzene	20	19.6	ug/L	98	3		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.6	ug/L	103	8		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.5	ug/L	98	2		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.9	ug/L	104	6		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	20.9	ug/L	104	6		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	3		40 (74)	160 (118)	20 (20)
	Toluene	20	20.3	ug/L	102	4		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.7	ug/L	99	6		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.0	ug/L	100	5		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	22.5	ug/L	113	10		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	100	ug/L	100	4		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.8	ug/L	109	8		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.7	ug/L	104	9		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.3	ug/L	97	2		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.5	ug/L	98	2		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	18.4	ug/L	92	1		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	38.8	ug/L	97	1		70 (82)	130 (110)	20 (20)
	o-Xylene	20	18.8	ug/L	94	6		70 (83)	130 (109)	20 (20)
	Styrene	20	19.8	ug/L	99	1		70 (80)	130 (111)	20 (20)
	Bromoform	20	20.7	ug/L	104	6		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	18.4	ug/L	92	1		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	20.6	ug/L	103	6		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.3	ug/L	97	4		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.4	ug/L	97	3		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	18.8	ug/L	94	2		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084434.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1021WBSD01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93	8		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94	7		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	18.2	ug/L	91	6		70 (76)	130 (114)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY019971.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBS01	Dichlorodifluoromethane	20	16.5	ug/Kg	83			40 (64)	160 (136)	
	Chloromethane	20	18.9	ug/Kg	95			40 (70)	160 (130)	
	Vinyl chloride	20	19.4	ug/Kg	97			70 (72)	130 (129)	
	Bromomethane	20	20.8	ug/Kg	104			40 (58)	160 (141)	
	Chloroethane	20	20.0	ug/Kg	100			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.9	ug/Kg	100			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/Kg	102			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.2	ug/Kg	91			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	13.2	ug/Kg	66			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.9	ug/Kg	104			70 (77)	130 (129)	
	Methyl Acetate	20	21.1	ug/Kg	106			70 (69)	130 (149)	
	Methylene Chloride	20	21.5	ug/Kg	108			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	18.0	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.6	ug/Kg	108			70 (82)	130 (123)	
	Cyclohexane	20	18.0	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	Bromochloromethane	20	21.6	ug/Kg	108			70 (80)	130 (127)	
	Chloroform	20	21.9	ug/Kg	110			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103			70 (80)	130 (126)	
	Methylcyclohexane	20	17.6	ug/Kg	88			70 (77)	130 (123)	
	Benzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	19.0	ug/Kg	95			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.7	ug/Kg	109			70 (83)	130 (122)	
	Bromodichloromethane	20	21.7	ug/Kg	109			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	20.4	ug/Kg	102			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.8	ug/Kg	99			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	22.5	ug/Kg	113			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	20.9	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.4	ug/Kg	102			70 (80)	130 (125)	
	Tetrachloroethene	20	18.5	ug/Kg	93			70 (83)	130 (125)	
	Chlorobenzene	20	20.2	ug/Kg	101			70 (84)	130 (122)	
	Ethyl Benzene	20	20.0	ug/Kg	100			70 (82)	130 (124)	
	m/p-Xylenes	40	39.3	ug/Kg	98			70 (83)	130 (124)	
	o-Xylene	20	19.4	ug/Kg	97			70 (83)	130 (123)	
	Styrene	20	20.2	ug/Kg	101			70 (82)	130 (124)	
	Bromoform	20	20.4	ug/Kg	102			70 (75)	130 (127)	
	Isopropylbenzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	22.1	ug/Kg	111			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY019971.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1022SBS01	1,2-Dibromo-3-Chloropropane	20	20.9	ug/Kg	104			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.1	ug/Kg	91			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.5	ug/Kg	93			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY019972.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1022SBSD01	Dichlorodifluoromethane	20	17.4	ug/Kg	87	5		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.4	ug/Kg	92	3		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.8	ug/Kg	94	3		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.5	ug/Kg	103	1		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.1	ug/Kg	101	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.8	ug/Kg	99	1		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	17.7	ug/Kg	89	2		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	9		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	13.1	ug/Kg	66	0		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.4	ug/Kg	107	3		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.4	ug/Kg	112	6		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.0	ug/Kg	105	3		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	18.6	ug/Kg	93	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	22.1	ug/Kg	111	3		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	17.3	ug/Kg	86	5		70 (76)	130 (122)	30 (20)
	2-Butanone	100	120	ug/Kg	120	9		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	18.7	ug/Kg	94	5		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	22.6	ug/Kg	113	5		70 (80)	130 (127)	30 (20)
	Chloroform	20	22.5	ug/Kg	113	3		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103	0		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	17.4	ug/Kg	87	1		70 (77)	130 (123)	30 (20)
	Benzene	20	20.2	ug/Kg	101	0		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.5	ug/Kg	108	4		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.4	ug/Kg	97	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.7	ug/Kg	109	0		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.8	ug/Kg	109	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	120	ug/Kg	120	9		40 (70)	160 (135)	30 (20)
	Toluene	20	20.6	ug/Kg	103	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	4		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.1	ug/Kg	111	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.2	ug/Kg	106	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.6	ug/Kg	103	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.3	ug/Kg	92	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.2	ug/Kg	101	0		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.0	ug/Kg	100	0		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	38.9	ug/Kg	97	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.7	ug/Kg	99	2		70 (83)	130 (123)	30 (20)
	Styrene	20	20.4	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.2	ug/Kg	101	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.2	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	23.3	ug/Kg	117	5		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	5		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	4		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.6	ug/Kg	103	1		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY019972.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1022SBSD01	1,2-Dibromo-3-Chloropropane	20	21.8	ug/Kg	109	5		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97	6		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95	2		70 (70)	130 (137)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY019987.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1023SBS01	Dichlorodifluoromethane	20	16.8	ug/Kg	84			40 (64)	160 (136)	
	Chloromethane	20	18.7	ug/Kg	94			40 (70)	160 (130)	
	Vinyl chloride	20	19.7	ug/Kg	99			70 (72)	130 (129)	
	Bromomethane	20	21.3	ug/Kg	106			40 (58)	160 (141)	
	Chloroethane	20	21.6	ug/Kg	108			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.1	ug/Kg	106			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.7	ug/Kg	109			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.5	ug/Kg	98			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	14.0	ug/Kg	70			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	22.6	ug/Kg	113			70 (77)	130 (129)	
	Methyl Acetate	20	22.5	ug/Kg	113			70 (69)	130 (149)	
	Methylene Chloride	20	20.9	ug/Kg	104			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99			70 (80)	130 (123)	
	1,1-Dichloroethane	20	22.5	ug/Kg	113			70 (82)	130 (123)	
	Cyclohexane	20	19.1	ug/Kg	96			70 (76)	130 (122)	
	2-Butanone	100	120	ug/Kg	120			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.7	ug/Kg	109			70 (82)	130 (123)	
	Bromochloromethane	20	22.9	ug/Kg	115			70 (80)	130 (127)	
	Chloroform	20	23.8	ug/Kg	119			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	22.6	ug/Kg	113			70 (80)	130 (126)	
	Methylcyclohexane	20	18.0	ug/Kg	90			70 (77)	130 (123)	
	Benzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichloroethane	20	22.0	ug/Kg	110			70 (81)	130 (126)	
	Trichloroethene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.4	ug/Kg	107			70 (83)	130 (122)	
	Bromodichloromethane	20	21.8	ug/Kg	109			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	20.4	ug/Kg	102			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.6	ug/Kg	103			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	22.5	ug/Kg	113			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	21.0	ug/Kg	105			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.6	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	18.4	ug/Kg	92			70 (83)	130 (125)	
	Chlorobenzene	20	20.6	ug/Kg	103			70 (84)	130 (122)	
	Ethyl Benzene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	m/p-Xylenes	40	40.5	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	20.6	ug/Kg	103			70 (83)	130 (123)	
	Styrene	20	20.8	ug/Kg	104			70 (82)	130 (124)	
	Bromoform	20	20.4	ug/Kg	102			70 (75)	130 (127)	
	Isopropylbenzene	20	21.6	ug/Kg	108			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	23.1	ug/Kg	116			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.2	ug/Kg	106			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	21.3	ug/Kg	106			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY019987.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1023SBS01	1,2-Dibromo-3-Chloropropane	20	20.5	ug/Kg	103			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.1	ug/Kg	96			70 (70)	130 (137)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1021WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VN084430.D Lab Sample ID: VN1021WBL01

Date Analyzed: 10/21/2024 Time Analyzed: 12:36

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
VN1021WBS01	VN1021WBS01	VN084433.D	10/21/2024
VN1021WBSD01	VN1021WBSD01	VN084434.D	10/21/2024
TB100824	P4471-03	VN084444.D	10/21/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1022SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VY019970.D Lab Sample ID: VY1022SBL01

Date Analyzed: 10/22/2024 Time Analyzed: 10:36

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

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1022SBS01	VY1022SBS01	VY019971.D	10/22/2024
VY1022SBSD01	VY1022SBSD01	VY019972.D	10/22/2024
B-180-SB01	P4471-01	VY019979.D	10/22/2024

COMMENTS:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1023SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VY019986.D Lab Sample ID: VY1023SBL01

Date Analyzed: 10/23/2024 Time Analyzed: 11:35

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

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1023SBS01	VY1023SBS01	VY019987.D	10/23/2024
B-180-SB02	P4471-02	VY019993.D	10/23/2024

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VN084211.D BFB Injection Date: 09/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:24

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	19.9
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.5 (7.8) 1
176	95.0 - 101.0% of mass 174	69.7 (98.2) 1
177	5.0 - 9.0% of mass 176	4.9 (7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084213.D	09/30/2024	12:25
VSTDICCC050	VSTDICCC050	VN084214.D	09/30/2024	12:49
VSTDICC020	VSTDICC020	VN084215.D	09/30/2024	13:13
VSTDICC010	VSTDICC010	VN084216.D	09/30/2024	13:37
VSTDICC005	VSTDICC005	VN084217.D	09/30/2024	14:00
VSTDICC001	VSTDICC001	VN084218.D	09/30/2024	14:48

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VN084427.D BFB Injection Date: 10/21/2024

Instrument ID: MSVOA_N BFB Injection Time: 11:14

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.7
175	5.0 - 9.0% of mass 174	5.1 (7) 1
176	95.0 - 101.0% of mass 174	70 (96.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 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	VN084428.D	10/21/2024	11:38
VN1021WBL01	VN1021WBL01	VN084430.D	10/21/2024	12:36
VN1021WBS01	VN1021WBS01	VN084433.D	10/21/2024	13:48
VN1021WBSD01	VN1021WBSD01	VN084434.D	10/21/2024	14:22
TB100824	P4471-03	VN084444.D	10/21/2024	18:28

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VY019826.D BFB Injection Date: 10/09/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:33

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.4
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	76.9
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	73.9 (96.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY019827.D	10/09/2024	10:18
VSTDICC010	VSTDICC010	VY019828.D	10/09/2024	10:41
VSTDICC020	VSTDICC020	VY019829.D	10/09/2024	11:04
VSTDICCC050	VSTDICCC050	VY019830.D	10/09/2024	11:26
VSTDICC100	VSTDICC100	VY019831.D	10/09/2024	11:49
VSTDICC150	VSTDICC150	VY019832.D	10/09/2024	12:11

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VY019968.D BFB Injection Date: 10/22/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:49

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.6
75	30.0 - 60.0% of mass 95	58.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	73 (98.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 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	VY019969.D	10/22/2024	10:01
VY1022SBL01	VY1022SBL01	VY019970.D	10/22/2024	10:36
VY1022SBS01	VY1022SBS01	VY019971.D	10/22/2024	11:16
VY1022SBSD01	VY1022SBSD01	VY019972.D	10/22/2024	11:38
B-180-SB01	P4471-01	VY019979.D	10/22/2024	14:23

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VY019984.D BFB Injection Date: 10/23/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:51

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.9
75	30.0 - 60.0% of mass 95	58.7
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 (1.5) 1
174	50.0 - 100.0% of mass 95	70
175	5.0 - 9.0% of mass 174	5.4 (7.8) 1
176	95.0 - 101.0% of mass 174	68.4 (97.6) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY019985.D	10/23/2024	10:58
VY1023SBL01	VY1023SBL01	VY019986.D	10/23/2024	11:35
VY1023SBS01	VY1023SBS01	VY019987.D	10/23/2024	12:20
B-180-SB02	P4471-02	VY019993.D	10/23/2024	14:45

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VN084428.D Date Analyzed: 10/21/2024

Instrument ID: MSVOA_N Time Analyzed: 11:38

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	157355	8.22	262800	9.10	244635	11.87
UPPER LIMIT	314710	8.724	525600	9.6	489270	12.365
LOWER LIMIT	78677.5	7.724	131400	8.6	122318	11.365
EPA SAMPLE NO.						
TB100824	164715	8.22	283567	9.10	244917	11.87
VN1021WBL01	167468	8.22	295479	9.10	254088	11.87
VN1021WBS01	189913	8.22	322919	9.10	284161	11.87
VN1021WBSD01	163086	8.22	278516	9.10	255670	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: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VN084428.D Date Analyzed: 10/21/2024

Instrument ID: MSVOA_N Time Analyzed: 11:38

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

	IS4 AREA #	RT #				
12 HOUR STD	127638	13.788				
UPPER LIMIT	255276	14.288				
LOWER LIMIT	63819	13.288				
EPA SAMPLE NO.						
TB100824	92567	13.79				
VN1021WBL01	99954	13.79				
VN1021WBS01	138325	13.79				
VN1021WBSD01	124118	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VY019969.D Date Analyzed: 10/22/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:01

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	226762	7.71	399552	8.62	348429	11.41
UPPER LIMIT	453524	8.213	799104	9.116	696858	11.914
LOWER LIMIT	113381	7.213	199776	8.116	174215	10.914
EPA SAMPLE NO.						
B-180-SB01	272409	7.71	558411	8.62	507425	11.41
VY1022SBL01	219150	7.71	450425	8.62	395647	11.41
VY1022SBS01	215657	7.71	379714	8.62	332435	11.41
VY1022SBSD01	222995	7.71	399190	8.61	345246	11.41

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: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VY019969.D Date Analyzed: 10/22/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:01

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

	IS4 AREA #	RT #				
12 HOUR STD	173474	13.347				
UPPER LIMIT	346948	13.847				
LOWER LIMIT	86737	12.847				
EPA SAMPLE NO.						
B-180-SB01	178248	13.35				
VY1022SBL01	132931	13.35				
VY1022SBS01	160914	13.35				
VY1022SBSD01	163027	13.35				

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VY019985.D Date Analyzed: 10/23/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:58

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	247993	7.71	444115	8.62	376691	11.41
UPPER LIMIT	495986	8.213	888230	9.116	753382	11.914
LOWER LIMIT	123997	7.213	222058	8.116	188346	10.914
EPA SAMPLE NO.						
B-180-SB02	211103	7.71	422929	8.62	336247	11.41
VY1023SBL01	239192	7.71	486232	8.62	427644	11.41
VY1023SBS01	228334	7.71	420481	8.62	359220	11.41

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: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG NO.: P4471

Lab File ID: VY019985.D Date Analyzed: 10/23/2024

Instrument ID: MSVOA_Y Time Analyzed: 10:58

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

	IS4 AREA #	RT #				
12 HOUR STD	183428	13.346				
UPPER LIMIT	366856	13.846				
LOWER LIMIT	91714	12.846				
EPA SAMPLE NO.						
B-180-SB02	95105	13.35				
VY1023SBL01	145538	13.35				
VY1023SBS01	165743	13.35				

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: **VN084430.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBL01	SDG No.:	P4471
Lab Sample ID:	VN1021WBL01	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
VN084430.D	1		10/21/24 12:36	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBL01	SDG No.:	P4471
Lab Sample ID:	VN1021WBL01	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
VN084430.D	1		10/21/24 12:36	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.7		70 (77) - 130 (121)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.224			
540-36-3	1,4-Difluorobenzene	295000	9.1			
3114-55-4	Chlorobenzene-d5	254000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	100000	13.788			

Raw Data: **VN084430.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBL01	SDG No.:	P4471
Lab Sample ID:	VN1021WBL01	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
VN084430.D	1		10/21/24 12:36	VN102124

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBL01	SDG No.:	P4471
Lab Sample ID:	VY1022SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019970.D	1		10/22/24 10:36	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

Raw Data: **VY019970.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBL01	SDG No.:	P4471
Lab Sample ID:	VY1022SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019970.D	1		10/22/24 10:36	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		70 (50) - 130 (163)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.3		70 (29) - 130 (146)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	219000	7.713			
540-36-3	1,4-Difluorobenzene	450000	8.616			
3114-55-4	Chlorobenzene-d5	396000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.347			

Raw Data: **VY019970.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBL01	SDG No.:	P4471
Lab Sample ID:	VY1022SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019970.D	1		10/22/24 10:36	VY102224

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1023SBL01	SDG No.:	P4471
Lab Sample ID:	VY1023SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019986.D	1		10/23/24 11:35	VY102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.00	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.77	U	0.77	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.78	U	0.78	5.00	ug/Kg
67-64-1	Acetone	6.20	U	6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.67	U	0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.84	U	0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.63	U	0.63	5.00	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	5.00	ug/Kg
78-93-3	2-Butanone	5.70	U	5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.61	U	0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.87	U	0.87	5.00	ug/Kg
71-43-2	Benzene	0.72	U	0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.61	U	0.61	5.00	ug/Kg
79-01-6	Trichloroethene	0.75	U	0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.0	ug/Kg
108-88-3	Toluene	0.67	U	0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1023SBL01	SDG No.:	P4471
Lab Sample ID:	VY1023SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019986.D	1		10/23/24 11:35	VY102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (50) - 130 (163)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		70 (29) - 130 (146)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	239000	7.707			
540-36-3	1,4-Difluorobenzene	486000	8.616			
3114-55-4	Chlorobenzene-d5	428000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.347			

Raw Data: **VY019986.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1023SBL01	SDG No.:	P4471
Lab Sample ID:	VY1023SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019986.D	1		10/23/24 11:35	VY102324

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: **VN084433.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBS01	SDG No.:	P4471
Lab Sample ID:	VN1021WBS01	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
VN084433.D	1		10/21/24 13:48	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.1		0.21	1.00	ug/L
74-87-3	Chloromethane	16.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	16.7		0.34	1.00	ug/L
74-83-9	Bromomethane	16.5		1.40	5.00	ug/L
75-00-3	Chloroethane	15.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.26	1.00	ug/L
67-64-1	Acetone	87.5		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	14.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.1		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.5		0.60	1.00	ug/L
75-09-2	Methylene Chloride	18.6		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.4		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.0		1.60	5.00	ug/L
78-93-3	2-Butanone	88.7		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	19.6		0.18	1.00	ug/L
67-66-3	Chloroform	19.0		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	16.2		0.19	1.00	ug/L
71-43-2	Benzene	19.0		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	19.5		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	96.8		0.75	5.00	ug/L
108-88-3	Toluene	19.6		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBS01	SDG No.:	P4471
Lab Sample ID:	VN1021WBS01	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
VN084433.D	1		10/21/24 13:48	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.9		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	96.1		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	20.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.5		0.31	2.00	ug/L
95-47-6	o-Xylene	20.0		0.14	1.00	ug/L
100-42-5	Styrene	19.5		0.16	1.00	ug/L
75-25-2	Bromoform	19.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.3		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.6		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.5		70 (74) - 130 (125)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		70 (75) - 130 (124)	109%	SPK: 50
2037-26-5	Toluene-d8	53.9		70 (86) - 130 (113)	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	190000	8.224			
540-36-3	1,4-Difluorobenzene	323000	9.1			
3114-55-4	Chlorobenzene-d5	284000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	138000	13.788			

Raw Data: **VN084433.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBS01	SDG No.:	P4471
Lab Sample ID:	VN1021WBS01	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
VN084433.D	1		10/21/24 13:48	VN102124

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBS01	SDG No.:	P4471
Lab Sample ID:	VY1022SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019971.D	1		10/22/24 11:16	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.5		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.9		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.4		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.2		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	13.2		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.9		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.1		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.0		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	21.6		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.6		0.87	5.00	ug/Kg
71-43-2	Benzene	20.1		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.7		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.4		0.67	5.00	ug/Kg

Raw Data: **VY019971.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBS01	SDG No.:	P4471
Lab Sample ID:	VY1022SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019971.D	1		10/22/24 11:16	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.8		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.4		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.70	5.00	ug/Kg
100-42-5	Styrene	20.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.4		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.9		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.5		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (50) - 130 (163)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 (54) - 130 (147)	106%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (58) - 130 (134)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (29) - 130 (146)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	216000	7.713			
540-36-3	1,4-Difluorobenzene	380000	8.616			
3114-55-4	Chlorobenzene-d5	332000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.347			

Raw Data: **VY019971.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBS01	SDG No.:	P4471
Lab Sample ID:	VY1022SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019971.D	1		10/22/24 11:16	VY102224

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1023SBS01	SDG No.:	P4471
Lab Sample ID:	VY1023SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019987.D	1		10/23/24 12:20	VY102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.8		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.7		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.7		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.6		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.1		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.5		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	14.0		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.6		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.5		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.8		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.5		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.1		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.7		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	22.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	23.8		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.6		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.0		0.87	5.00	ug/Kg
71-43-2	Benzene	20.1		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.0		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.4		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.8		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.4		0.67	5.00	ug/Kg

Raw Data: **VY019987.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1023SBS01	SDG No.:	P4471
Lab Sample ID:	VY1023SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019987.D	1		10/23/24 12:20	VY102324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.5		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.0		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.4		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.6		0.70	5.00	ug/Kg
100-42-5	Styrene	20.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.6		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.2		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.3		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.1		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.4		70 (50) - 130 (163)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	57.1		70 (54) - 130 (147)	114%	SPK: 50
2037-26-5	Toluene-d8	54.6		70 (58) - 130 (134)	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		70 (29) - 130 (146)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	7.713			
540-36-3	1,4-Difluorobenzene	420000	8.615			
3114-55-4	Chlorobenzene-d5	359000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	166000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1023SBS01	SDG No.:	P4471
Lab Sample ID:	VY1023SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019987.D	1		10/23/24 12:20	VY102324

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: **VN084434.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBSD01	SDG No.:	P4471
Lab Sample ID:	VN1021WBSD01	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
VN084434.D	1		10/21/24 14:22	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.8		0.21	1.00	ug/L
74-87-3	Chloromethane	16.3		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.1		0.34	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	5.00	ug/L
75-00-3	Chloroethane	16.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.26	1.00	ug/L
67-64-1	Acetone	91.6		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	14.5		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	24.0		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.2		1.60	5.00	ug/L
78-93-3	2-Butanone	96.8		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.7		0.18	1.00	ug/L
67-66-3	Chloroform	20.1		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.19	1.00	ug/L
71-43-2	Benzene	19.6		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.9		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	20.3		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBSD01	SDG No.:	P4471
Lab Sample ID:	VN1021WBSD01	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
VN084434.D	1		10/21/24 14:22	VN102124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.0		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.4		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.31	2.00	ug/L
95-47-6	o-Xylene	18.8		0.14	1.00	ug/L
100-42-5	Styrene	19.8		0.16	1.00	ug/L
75-25-2	Bromoform	20.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.4		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.6		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	51.8		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.224			
540-36-3	1,4-Difluorobenzene	279000	9.1			
3114-55-4	Chlorobenzene-d5	256000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.788			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1021WBSD01	SDG No.:	P4471
Lab Sample ID:	VN1021WBSD01	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
VN084434.D	1		10/21/24 14:22	VN102124

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBSD01	SDG No.:	P4471
Lab Sample ID:	VY1022SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019972.D	1		10/22/24 11:38	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	17.4		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.4		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.5		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.1		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	17.7		0.78	5.00	ug/Kg
67-64-1	Acetone	120		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	13.1		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.4		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.0		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.6		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.1		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.3		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	22.6		2.40	5.00	ug/Kg
67-66-3	Chloroform	22.5		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.4		0.87	5.00	ug/Kg
71-43-2	Benzene	20.2		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.7		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.8		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	120		4.40	25.0	ug/Kg
108-88-3	Toluene	20.6		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBSD01	SDG No.:	P4471
Lab Sample ID:	VY1022SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019972.D	1		10/22/24 11:38	VY102224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.1		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.2		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.3		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.70	5.00	ug/Kg
100-42-5	Styrene	20.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.4		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		70 (50) - 130 (163)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	56.1		70 (54) - 130 (147)	112%	SPK: 50
2037-26-5	Toluene-d8	53.3		70 (58) - 130 (134)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		70 (29) - 130 (146)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	7.707			
540-36-3	1,4-Difluorobenzene	399000	8.609			
3114-55-4	Chlorobenzene-d5	345000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1022SBSD01	SDG No.:	P4471
Lab Sample ID:	VY1022SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	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
VY019972.D	1		10/22/24 11:38	VY102224

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: MSVOA_N Calibration Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:25 14:48

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

LAB FILE ID: RRF100 = VN084213.D RRF050 = VN084214.D RRF020 = VN084215.D
RRF010 = VN084216.D RRF005 = VN084217.D RRF001 = VN084218.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.567	0.613	0.600	0.562	0.607	0.600	0.591	3.7
Chloromethane	0.619	0.671	0.677	0.648	0.747	0.690	0.675	6.4
Vinyl Chloride	0.611	0.667	0.665	0.641	0.724	0.617	0.654	6.4
Bromomethane	0.368	0.432	0.432	0.424	0.501		0.431	10.9
Chloroethane	0.375	0.419	0.430	0.433	0.522	0.632	0.468	19.9
Trichlorofluoromethane	0.953	1.060	1.047	0.959	1.113	0.978	1.019	6.4
1,1,2-Trichlorotrifluoroethane	0.542	0.590	0.603	0.532	0.633	0.602	0.584	6.7
1,1-Dichloroethene	0.538	0.587	0.596	0.533	0.631	0.493	0.563	8.9
Acetone	0.299	0.342	0.337	0.298	0.336	0.299	0.318	6.8
Carbon Disulfide	1.588	1.723	1.746	1.650	1.908	2.080	1.782	10.2
Methyl tert-butyl Ether	1.825	2.033	2.035	1.802	2.049	1.656	1.900	8.6
Methyl Acetate	0.607	0.707	0.694	0.691	0.765	0.700	0.694	7.3
Methylene Chloride	0.594	0.655	0.661	0.618	0.669	0.686	0.647	5.3
trans-1,2-Dichloroethene	0.555	0.622	0.619	0.570	0.627	0.546	0.590	6.2
1,1-Dichloroethane	1.075	1.193	1.163	1.084	1.226	1.046	1.131	6.4
Cyclohexane	0.970	1.068	1.084	1.047	1.321		1.098	12
2-Butanone	0.395	0.452	0.465	0.419	0.467	0.404	0.434	7.3
Carbon Tetrachloride	0.515	0.549	0.553	0.508	0.545	0.482	0.525	5.4
cis-1,2-Dichloroethene	0.670	0.741	0.741	0.655	0.767	0.703	0.713	6.2
Bromochloromethane	0.472	0.494	0.486	0.423	0.619	0.535	0.505	13.2
Chloroform	1.083	1.204	1.205	1.117	1.259	1.181	1.175	5.5
1,1,1-Trichloroethane	0.997	1.102	1.089	1.018	1.154	0.972	1.055	6.7
Methylcyclohexane	0.567	0.583	0.577	0.507	0.534	0.428	0.533	11
Benzene	1.434	1.553	1.559	1.410	1.574	1.421	1.492	5.2
1,2-Dichloroethane	0.480	0.528	0.524	0.498	0.544	0.460	0.506	6.3
Trichloroethene	0.334	0.362	0.361	0.329	0.379	0.325	0.348	6.3
1,2-Dichloropropane	0.346	0.375	0.380	0.339	0.388	0.289	0.353	10.4
Bromodichloromethane	0.521	0.557	0.556	0.497	0.570	0.475	0.529	7.2
4-Methyl-2-Pentanone	0.449	0.508	0.510	0.468	0.484	0.387	0.468	9.9
Toluene	0.904	0.970	0.963	0.861	0.920	0.840	0.910	5.8

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: MSVOA_N Calibration Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 12:25 14:48

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

LAB FILE ID: RRF100 = VN084213.D RRF050 = VN084214.D RRF020 = VN084215.D
RRF010 = VN084216.D RRF005 = VN084217.D RRF001 = VN084218.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.562	0.590	0.573	0.517	0.564	0.430	0.539	10.9
cis-1,3-Dichloropropene	0.592	0.638	0.608	0.569	0.606	0.469	0.580	10.2
1,1,2-Trichloroethane	0.317	0.349	0.347	0.316	0.340	0.288	0.326	7.3
2-Hexanone	0.341	0.387	0.387	0.340	0.357	0.285	0.349	10.8
Dibromochloromethane	0.384	0.418	0.409	0.374	0.396	0.330	0.385	8.1
1,2-Dibromoethane	0.328	0.358	0.362	0.315	0.361	0.309	0.339	7.2
Tetrachloroethene	0.323	0.359	0.351	0.338	0.373	0.346	0.348	5
Chlorobenzene	1.068	1.170	1.143	1.069	1.173	1.028	1.109	5.5
Ethyl Benzene	1.988	2.121	2.028	1.840	2.030	1.756	1.961	6.9
m/p-Xylenes	0.741	0.806	0.779	0.695	0.729	0.600	0.725	10
o-Xylene	0.714	0.774	0.738	0.666	0.734	0.491	0.686	14.9
Styrene	1.234	1.312	1.238	1.112	1.159	0.918	1.162	11.9
Bromoform	0.282	0.315	0.303	0.260	0.288	0.239	0.281	10
Isopropylbenzene	3.737	4.132	4.055	3.677	3.864	3.428	3.815	6.8
1,1,2,2-Tetrachloroethane	1.001	1.183	1.187	1.127	1.291	1.095	1.147	8.5
1,3-Dichlorobenzene	1.624	1.787	1.780	1.646	1.843	1.679	1.727	5.1
1,4-Dichlorobenzene	1.628	1.784	1.734	1.638	1.889	1.789	1.744	5.7
1,2-Dichlorobenzene	1.555	1.710	1.740	1.613	1.769	1.770	1.693	5.3
1,2-Dibromo-3-Chloropropane	0.209	0.238	0.253	0.242	0.271	0.207	0.237	10.4
1,2,4-Trichlorobenzene	0.859	0.933	0.923	0.792	0.839	0.657	0.834	12.2
1,2,3-Trichlorobenzene	0.816	0.896	0.903	0.820	0.822	0.751	0.835	6.8
1,2-Dichloroethane-d4	0.673	0.737	0.764	0.712	0.821		0.741	7.5
Dibromofluoromethane	0.308	0.324	0.341	0.316	0.359		0.330	6.1
Toluene-d8	1.189	1.243	1.242	1.148	1.242		1.213	3.5
4-Bromofluorobenzene	0.447	0.452	0.449	0.406	0.456		0.442	4.6

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.500	0.498	0.410	0.458	0.434	0.492	0.465	8.1
Chloromethane	0.643	0.637	0.517	0.616	0.550	0.671	0.606	9.8
Vinyl Chloride	0.707	0.685	0.579	0.688	0.624	0.716	0.667	8
Bromomethane	0.458	0.447	0.357	0.433	0.390	0.447	0.422	9.4
Chloroethane	0.493	0.469	0.390	0.456	0.408	0.472	0.448	8.9
Trichlorofluoromethane	1.101	1.016	0.868	1.000	0.915	1.051	0.992	8.7
1,1,2-Trichlorotrifluoroethane	0.619	0.611	0.509	0.581	0.535	0.606	0.577	7.8
1,1-Dichloroethene	0.588	0.558	0.453	0.550	0.499	0.570	0.536	9.4
Acetone	0.196	0.156	0.134	0.170	0.152	0.153	0.160	12.9
Carbon Disulfide	1.501	1.392	1.193	1.552	1.404	1.586	1.438	10
Methyl tert-butyl Ether	1.719	1.559	1.334	1.574	1.443	1.617	1.541	8.8
Methyl Acetate	0.393	0.334	0.301	0.350	0.321	0.372	0.345	9.7
Methylene Chloride	0.869	0.695	0.551	0.619	0.543	0.603	0.647	18.9
trans-1,2-Dichloroethene	0.630	0.597	0.511	0.605	0.547	0.612	0.584	7.7
1,1-Dichloroethane	1.288	1.219	1.025	1.202	1.084	1.214	1.172	8.3
Cyclohexane	1.262	1.098	0.863	1.009	0.915	1.024	1.029	13.8
2-Butanone	0.251	0.217	0.186	0.222	0.201	0.211	0.215	10.2
Carbon Tetrachloride	0.525	0.505	0.446	0.527	0.495	0.559	0.510	7.5
cis-1,2-Dichloroethene	0.777	0.766	0.628	0.740	0.669	0.749	0.721	8.2
Bromochloromethane	0.607	0.470	0.502	0.529	0.483	0.504	0.516	9.5
Chloroform	1.318	1.238	1.055	1.225	1.102	1.229	1.195	8.1
1,1,1-Trichloroethane	1.118	1.091	0.915	1.067	0.978	1.112	1.047	7.9
Methylcyclohexane	0.629	0.584	0.512	0.629	0.581	0.658	0.599	8.6
Benzene	1.512	1.474	1.283	1.488	1.361	1.514	1.439	6.6
1,2-Dichloroethane	0.448	0.399	0.368	0.430	0.398	0.436	0.413	7.3
Trichloroethene	0.381	0.340	0.300	0.366	0.333	0.370	0.348	8.7
1,2-Dichloropropane	0.390	0.375	0.322	0.366	0.337	0.371	0.360	7.1
Bromodichloromethane	0.549	0.524	0.456	0.543	0.501	0.560	0.522	7.4
4-Methyl-2-Pentanone	0.281	0.247	0.220	0.269	0.254	0.275	0.258	8.7
Toluene	0.930	0.892	0.800	0.940	0.866	0.960	0.898	6.5

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.477	0.448	0.408	0.497	0.464	0.524	0.470	8.6
cis-1,3-Dichloropropene	0.577	0.537	0.489	0.579	0.542	0.603	0.554	7.3
1,1,2-Trichloroethane	0.280	0.257	0.230	0.269	0.248	0.271	0.259	6.9
2-Hexanone	0.193	0.173	0.160	0.197	0.185	0.197	0.184	8.1
Dibromochloromethane	0.348	0.317	0.294	0.344	0.328	0.364	0.333	7.5
1,2-Dibromoethane	0.244	0.234	0.207	0.246	0.226	0.248	0.234	6.7
Tetrachloroethene	0.379	0.366	0.316	0.368	0.328	0.377	0.356	7.6
Chlorobenzene	1.226	1.167	1.032	1.171	1.064	1.202	1.144	6.8
Ethyl Benzene	2.177	2.100	1.861	2.164	1.953	2.209	2.077	6.7
m/p-Xylenes	0.802	0.781	0.691	0.796	0.720	0.813	0.767	6.5
o-Xylene	0.750	0.756	0.665	0.769	0.700	0.783	0.737	6.1
Styrene	1.276	1.238	1.120	1.304	1.191	1.333	1.244	6.3
Bromoform	0.208	0.198	0.180	0.220	0.204	0.232	0.207	8.7
Isopropylbenzene	4.420	4.371	3.794	4.268	3.912	4.470	4.206	6.7
1,1,2,2-Tetrachloroethane	0.796	0.737	0.664	0.763	0.719	0.805	0.747	7
1,3-Dichlorobenzene	1.968	1.892	1.598	1.819	1.651	1.887	1.802	8.1
1,4-Dichlorobenzene	1.928	1.831	1.572	1.801	1.635	1.856	1.771	7.8
1,2-Dichlorobenzene	1.716	1.620	1.416	1.612	1.474	1.663	1.584	7.3
1,2-Dibromo-3-Chloropropane	0.133	0.115	0.100	0.121	0.118	0.129	0.119	9.7
1,2,4-Trichlorobenzene	0.860	0.832	0.758	0.965	0.886	1.027	0.888	10.8
1,2,3-Trichlorobenzene	0.716	0.698	0.634	0.823	0.761	0.872	0.751	11.5
1,2-Dichloroethane-d4	0.701	0.656	0.566	0.581	0.583	0.607	0.616	8.5
Dibromofluoromethane	0.356	0.335	0.300	0.321	0.326	0.341	0.330	5.8
Toluene-d8	1.299	1.254	1.134	1.185	1.191	1.246	1.218	4.9
4-Bromofluorobenzene	0.498	0.438	0.402	0.426	0.427	0.450	0.440	7.4

* 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: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: MSVOA_N Calibration Date/Time: 10/21/2024 11:38

Lab File ID: VN084428.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.591	0.529		-10.49	20
Chloromethane	0.675	0.602	0.1	-10.81	20
Vinyl Chloride	0.654	0.597		-8.72	20
Bromomethane	0.431	0.370		-14.15	20
Chloroethane	0.468	0.401		-14.32	20
Trichlorofluoromethane	1.019	1.044		2.45	20
1,1,2-Trichlorotrifluoroethane	0.584	0.603		3.25	20
1,1-Dichloroethene	0.563	0.566		0.53	20
Acetone	0.318	0.317		-0.31	20
Carbon Disulfide	1.782	1.424		-20.09	20
Methyl tert-butyl Ether	1.900	2.031		6.89	20
Methyl Acetate	0.694	0.915		31.84	20
Methylene Chloride	0.647	0.671		3.71	20
trans-1,2-Dichloroethene	0.590	0.593		0.51	20
1,1-Dichloroethane	1.131	1.189	0.1	5.13	20
Cyclohexane	1.098	0.959		-12.66	20
2-Butanone	0.434	0.467		7.6	20
Carbon Tetrachloride	0.525	0.569		8.38	20
cis-1,2-Dichloroethene	0.713	0.752		5.47	20
Bromochloromethane	0.505	0.533		5.55	20
Chloroform	1.175	1.280		8.94	20
1,1,1-Trichloroethane	1.055	1.115		5.69	20
Methylcyclohexane	0.533	0.522		-2.06	20
Benzene	1.492	1.635		9.58	20
1,2-Dichloroethane	0.506	0.549		8.5	20
Trichloroethene	0.348	0.375		7.76	20
1,2-Dichloropropane	0.353	0.401		13.6	20
Bromodichloromethane	0.529	0.606		14.56	20
4-Methyl-2-Pentanone	0.468	0.576		23.08	20
Toluene	0.910	1.023		12.42	20
t-1,3-Dichloropropene	0.539	0.601		11.5	20
cis-1,3-Dichloropropene	0.580	0.651		12.24	20
1,1,2-Trichloroethane	0.326	0.397		21.78	20
2-Hexanone	0.349	0.426		22.06	20
Dibromochloromethane	0.385	0.466		21.04	20
1,2-Dibromoethane	0.339	0.388		14.45	20
Tetrachloroethene	0.348	0.366		5.17	20
Chlorobenzene	1.109	1.181	0.3	6.49	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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: MSVOA_N Calibration Date/Time: 10/21/2024 11:38

Lab File ID: VN084428.D Init. Calib. Date(s): 09/30/2024 09/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:25 14:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.961	2.070		5.56	20
m/p-Xylenes	0.725	0.807		11.31	20
o-Xylene	0.686	0.765		11.52	20
Styrene	1.162	1.354		16.52	20
Bromoform	0.281	0.332	0.1	18.15	20
Isopropylbenzene	3.815	3.797		-0.47	20
1,1,2,2-Tetrachloroethane	1.147	1.198	0.3	4.45	20
1,3-Dichlorobenzene	1.727	1.778		2.95	20
1,4-Dichlorobenzene	1.744	1.755		0.63	20
1,2-Dichlorobenzene	1.693	1.727		2.01	20
1,2-Dibromo-3-Chloropropane	0.237	0.235		-0.84	20
1,2,4-Trichlorobenzene	0.834	0.857		2.76	20
1,2,3-Trichlorobenzene	0.835	0.868		3.95	20
1,2-Dichloroethane-d4	0.741	0.791		6.75	20
Dibromofluoromethane	0.330	0.387		17.27	20
Toluene-d8	1.213	1.431		17.97	20
4-Bromofluorobenzene	0.442	0.522		18.1	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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: MSVOA_Y Calibration Date/Time: 10/22/2024 10:01

Lab File ID: VY019969.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.412		-11.4	20
Chloromethane	0.606	0.611	0.1	0.82	20
Vinyl Chloride	0.667	0.698		4.65	20
Bromomethane	0.422	0.448		6.16	20
Chloroethane	0.448	0.490		9.38	20
Trichlorofluoromethane	0.992	0.995		0.3	20
1,1,2-Trichlorotrifluoroethane	0.577	0.592		2.6	20
1,1-Dichloroethene	0.536	0.519		-3.17	20
Acetone	0.160	0.189		18.13	20
Carbon Disulfide	1.438	1.228		-14.6	20
Methyl tert-butyl Ether	1.541	1.675		8.7	20
Methyl Acetate	0.345	0.403		16.81	20
Methylene Chloride	0.647	0.636		-1.7	20
trans-1,2-Dichloroethene	0.584	0.602		3.08	20
1,1-Dichloroethane	1.172	1.328	0.1	13.31	20
Cyclohexane	1.029	0.985		-4.28	20
2-Butanone	0.215	0.241		12.09	20
Carbon Tetrachloride	0.510	0.544		6.67	20
cis-1,2-Dichloroethene	0.721	0.769		6.66	20
Bromochloromethane	0.516	0.570		10.47	20
Chloroform	1.195	1.359		13.72	20
1,1,1-Trichloroethane	1.047	1.132		8.12	20
Methylcyclohexane	0.599	0.592		-1.17	20
Benzene	1.439	1.559		8.34	20
1,2-Dichloroethane	0.413	0.460		11.38	20
Trichloroethene	0.348	0.357		2.59	20
1,2-Dichloropropane	0.360	0.412		14.44	20
Bromodichloromethane	0.522	0.599		14.75	20
4-Methyl-2-Pentanone	0.258	0.298		15.5	20
Toluene	0.898	0.990		10.24	20
t-1,3-Dichloropropene	0.470	0.521		10.85	20
cis-1,3-Dichloropropene	0.554	0.612		10.47	20
1,1,2-Trichloroethane	0.259	0.294		13.51	20
2-Hexanone	0.184	0.216		17.39	20
Dibromochloromethane	0.333	0.370		11.11	20
1,2-Dibromoethane	0.234	0.254		8.55	20
Tetrachloroethene	0.356	0.348		-2.25	20
Chlorobenzene	1.144	1.235	0.3	7.95	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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: MSVOA_Y Calibration Date/Time: 10/22/2024 10:01

Lab File ID: VY019969.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.295		10.5	20
m/p-Xylenes	0.767	0.833		8.6	20
o-Xylene	0.737	0.816		10.72	20
Styrene	1.244	1.389		11.66	20
Bromoform	0.207	0.229	0.1	10.63	20
Isopropylbenzene	4.206	4.428		5.28	20
1,1,2,2-Tetrachloroethane	0.747	0.811	0.3	8.57	20
1,3-Dichlorobenzene	1.802	1.882		4.44	20
1,4-Dichlorobenzene	1.771	1.856		4.8	20
1,2-Dichlorobenzene	1.584	1.660		4.8	20
1,2-Dibromo-3-Chloropropane	0.119	0.123		3.36	20
1,2,4-Trichlorobenzene	0.888	0.895		0.79	20
1,2,3-Trichlorobenzene	0.751	0.751		0	20
1,2-Dichloroethane-d4	0.616	0.655		6.33	20
Dibromofluoromethane	0.330	0.352		6.67	20
Toluene-d8	1.218	1.252		2.79	20
4-Bromofluorobenzene	0.440	0.466		5.91	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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: MSVOA_Y Calibration Date/Time: 10/23/2024 10:58

Lab File ID: VY019985.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.411		-11.61	20
Chloromethane	0.606	0.604	0.1	-0.33	20
Vinyl Chloride	0.667	0.694		4.05	20
Bromomethane	0.422	0.448		6.16	20
Chloroethane	0.448	0.492		9.82	20
Trichlorofluoromethane	0.992	1.072		8.06	20
1,1,2-Trichlorotrifluoroethane	0.577	0.622		7.8	20
1,1-Dichloroethene	0.536	0.538		0.37	20
Acetone	0.160	0.176		10	20
Carbon Disulfide	1.438	1.233		-14.26	20
Methyl tert-butyl Ether	1.541	1.661		7.79	20
Methyl Acetate	0.345	0.377		9.27	20
Methylene Chloride	0.647	0.640		-1.08	20
trans-1,2-Dichloroethene	0.584	0.603		3.25	20
1,1-Dichloroethane	1.172	1.359	0.1	15.96	20
Cyclohexane	1.029	1.019		-0.97	20
2-Butanone	0.215	0.227		5.58	20
Carbon Tetrachloride	0.510	0.557		9.22	20
cis-1,2-Dichloroethene	0.721	0.807		11.93	20
Bromochloromethane	0.516	0.604		17.05	20
Chloroform	1.195	1.409		17.91	20
1,1,1-Trichloroethane	1.047	1.201		14.71	20
Methylcyclohexane	0.599	0.618		3.17	20
Benzene	1.439	1.569		9.03	20
1,2-Dichloroethane	0.413	0.455		10.17	20
Trichloroethene	0.348	0.364		4.6	20
1,2-Dichloropropane	0.360	0.404		12.22	20
Bromodichloromethane	0.522	0.598		14.56	20
4-Methyl-2-Pentanone	0.258	0.275		6.59	20
Toluene	0.898	0.993		10.58	20
t-1,3-Dichloropropene	0.470	0.510		8.51	20
cis-1,3-Dichloropropene	0.554	0.608		9.75	20
1,1,2-Trichloroethane	0.259	0.272		5.02	20
2-Hexanone	0.184	0.198		7.61	20
Dibromochloromethane	0.333	0.364		9.31	20
1,2-Dibromoethane	0.234	0.242		3.42	20
Tetrachloroethene	0.356	0.354		-0.56	20
Chlorobenzene	1.144	1.251	0.3	9.35	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4471 SAS No.: P4471 SDG No.: P4471

Instrument ID: MSVOA_Y Calibration Date/Time: 10/23/2024 10:58

Lab File ID: VY019985.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.355		13.39	20
m/p-Xylenes	0.767	0.864		12.65	20
o-Xylene	0.737	0.825		11.94	20
Styrene	1.244	1.413		13.59	20
Bromoform	0.207	0.221	0.1	6.76	20
Isopropylbenzene	4.206	4.708		11.94	20
1,1,2,2-Tetrachloroethane	0.747	0.789	0.3	5.62	20
1,3-Dichlorobenzene	1.802	1.923		6.72	20
1,4-Dichlorobenzene	1.771	1.886		6.49	20
1,2-Dichlorobenzene	1.584	1.705		7.64	20
1,2-Dibromo-3-Chloropropane	0.119	0.119		0	20
1,2,4-Trichlorobenzene	0.888	0.935		5.29	20
1,2,3-Trichlorobenzene	0.751	0.768		2.26	20
1,2-Dichloroethane-d4	0.616	0.728		18.18	20
Dibromofluoromethane	0.330	0.395		19.7	20
Toluene-d8	1.218	1.417		16.34	20
4-Bromofluorobenzene	0.440	0.515		17.05	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_Y\Data\VY102224\
Data File : VY019979.D
Acq On : 22 Oct 2024 14:23
Operator : SY/MD
Sample : P4471-01
Misc : 8.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Quant Time: Oct 23 01:30:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	272409	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	558411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	507425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	178248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	187390	55.868	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.740%			
35) Dibromofluoromethane	7.634	113	183888	49.903	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.800%			
50) Toluene-d8	10.103	98	695045	51.077	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.402	95	214219	43.568	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 87.140%			
Target Compounds						Qvalue
20) Methylene Chloride	4.616	84	18410	4.980	ug/l #	81
39) Methylcyclohexane	9.116	83	6955	1.040	ug/l	90
52) Toluene	10.170	92	24355	2.429	ug/l	97
68) m/p-Xylenes	11.621	106	20990	2.696	ug/l	92
69) o-Xylene	11.950	106	8735	1.168	ug/l	78
84) 1,2,4-Trimethylbenzene	13.042	105	38093	3.173	ug/l	96

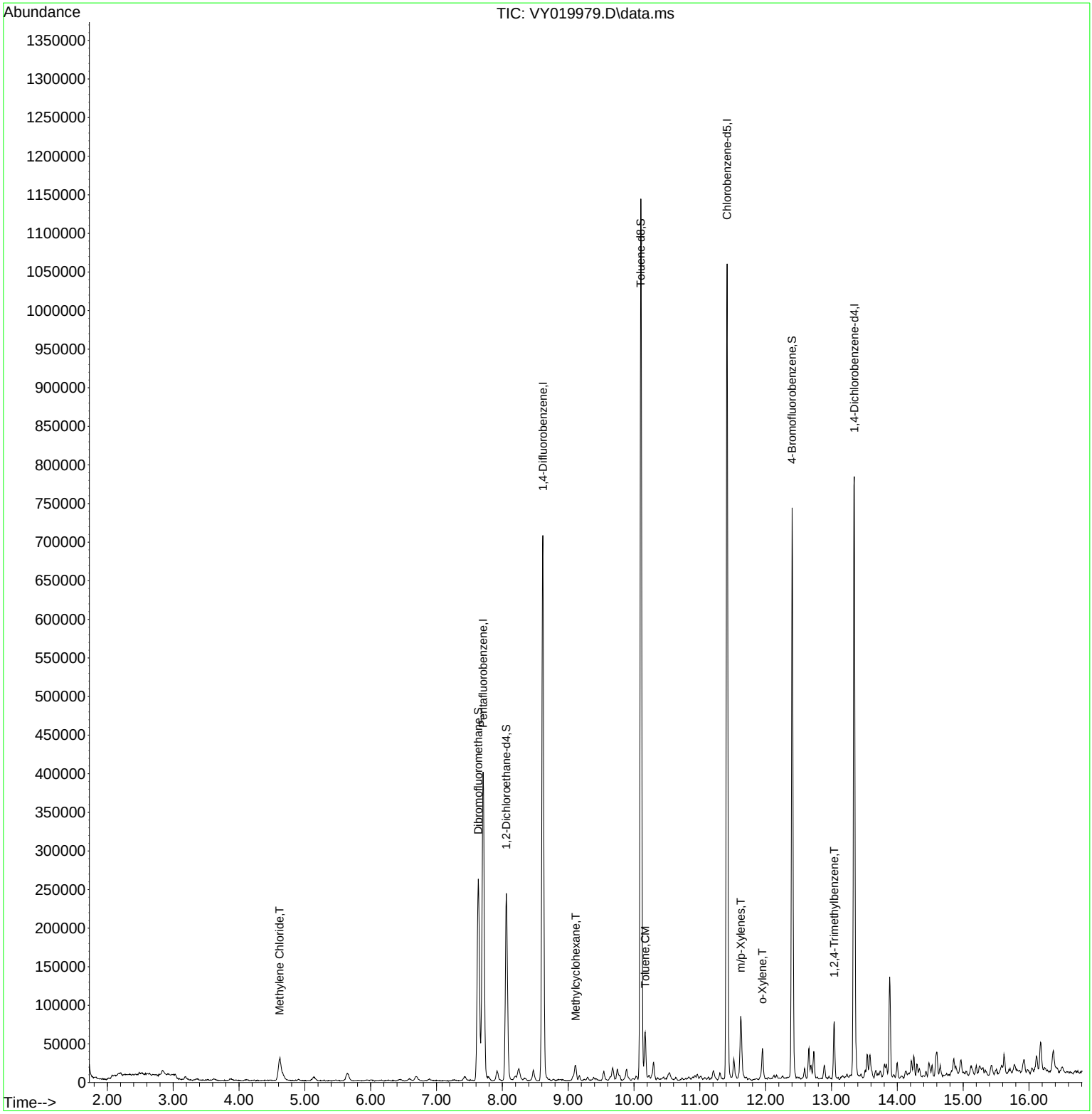
(#) = qualifier out of range (m) = manual integration (+) = signals summed

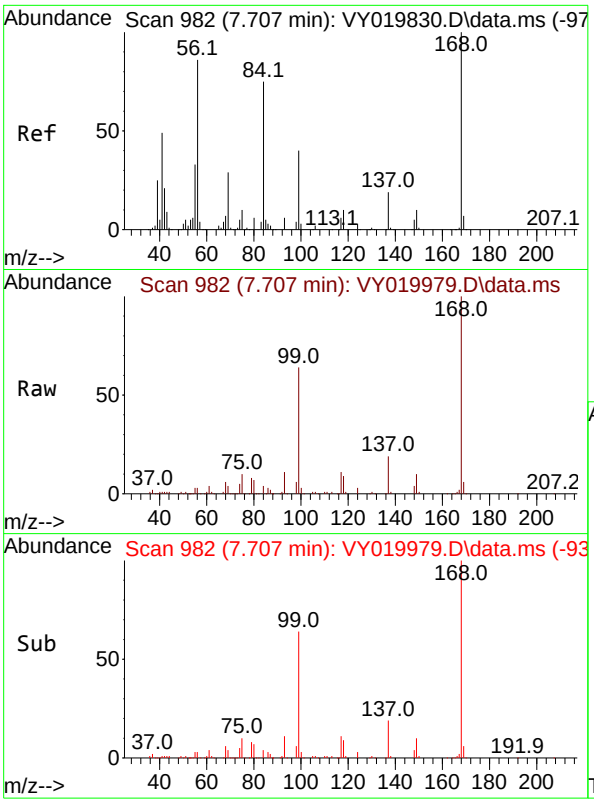
Sample Results: **VY019979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019979.D
Acq On : 22 Oct 2024 14:23
Operator : SY/MD
Sample : P4471-01
Misc : 8.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Quant Time: Oct 23 01:30:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



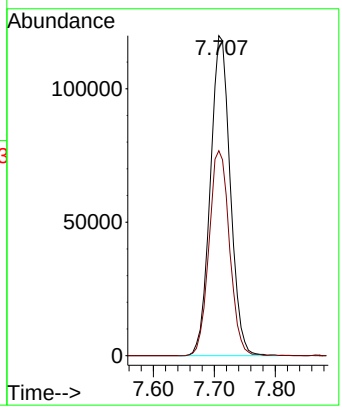


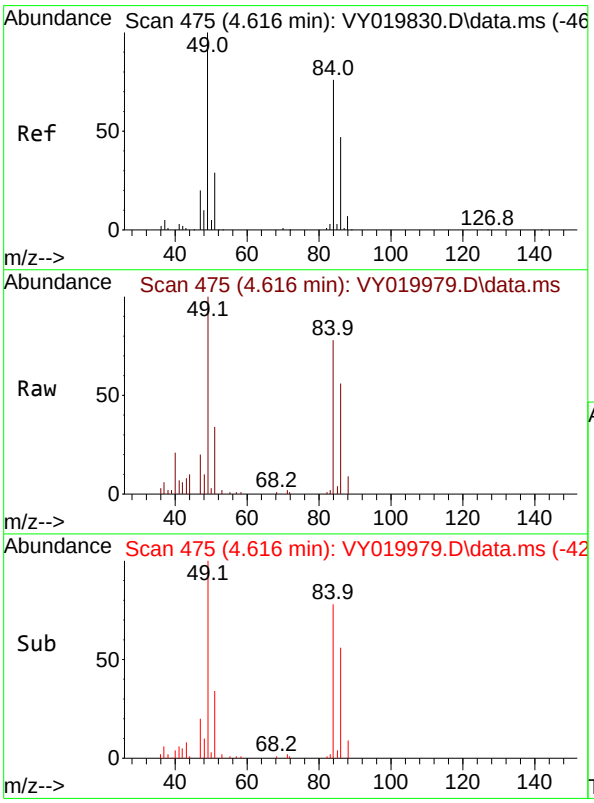
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Tgt Ion:168 Resp: 272409

Ion	Ratio	Lower	Upper
168	100		
99	64.1	39.1	58.7#

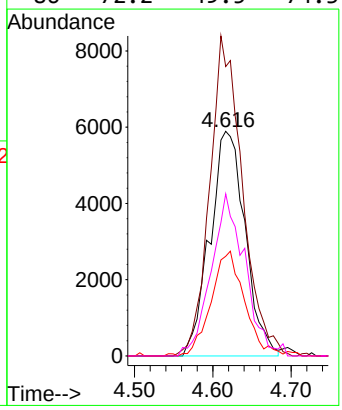


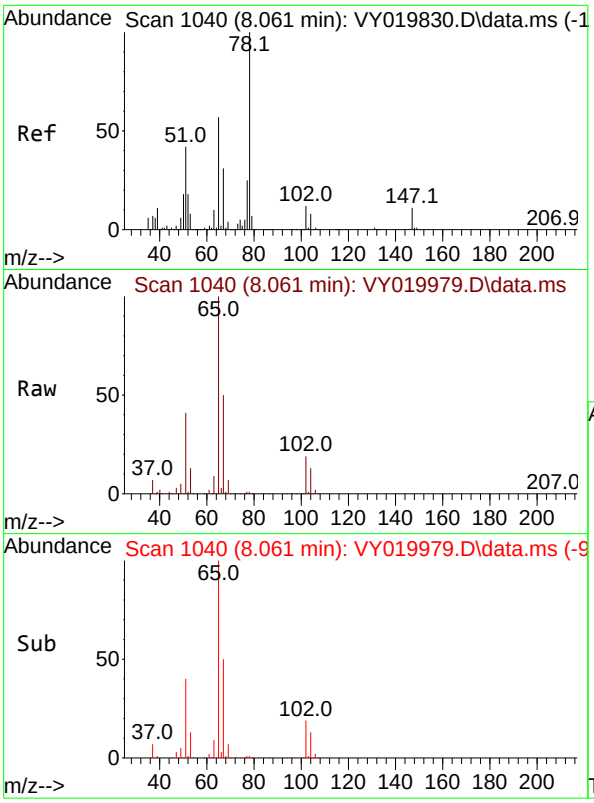


#20
Methylene Chloride
Concen: 4.980 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion: 84 Resp: 18410

Ion	Ratio	Lower	Upper
84	100		
49	127.7	84.4	126.6#
51	44.4	26.0	39.0#
86	72.2	49.5	74.3



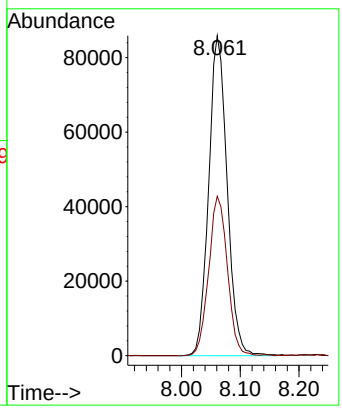


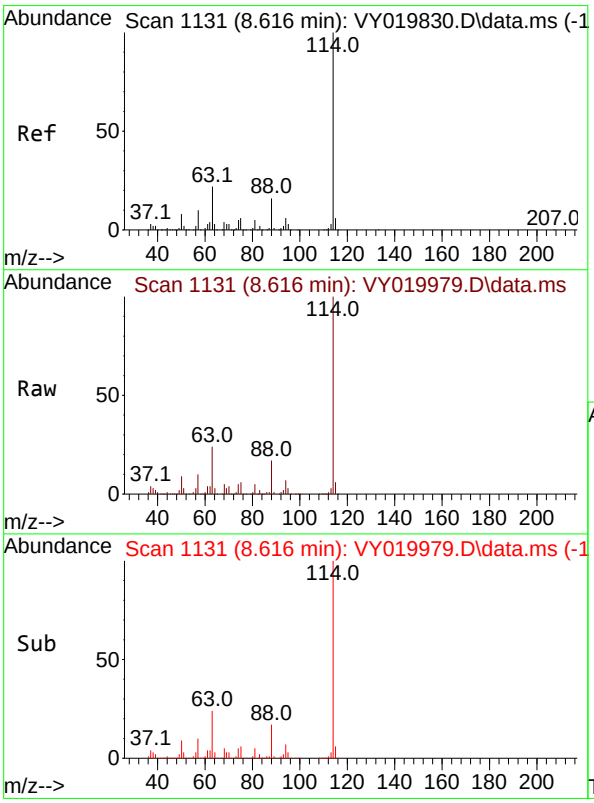
#33
1,2-Dichloroethane-d4
Concen: 55.868 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Tgt Ion: 65 Resp: 187390

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	109.6

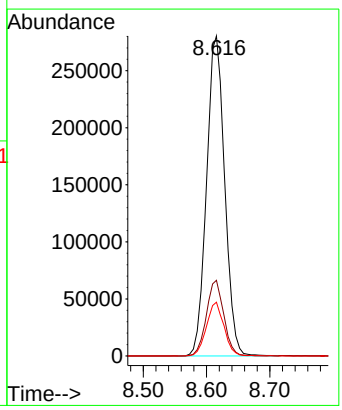


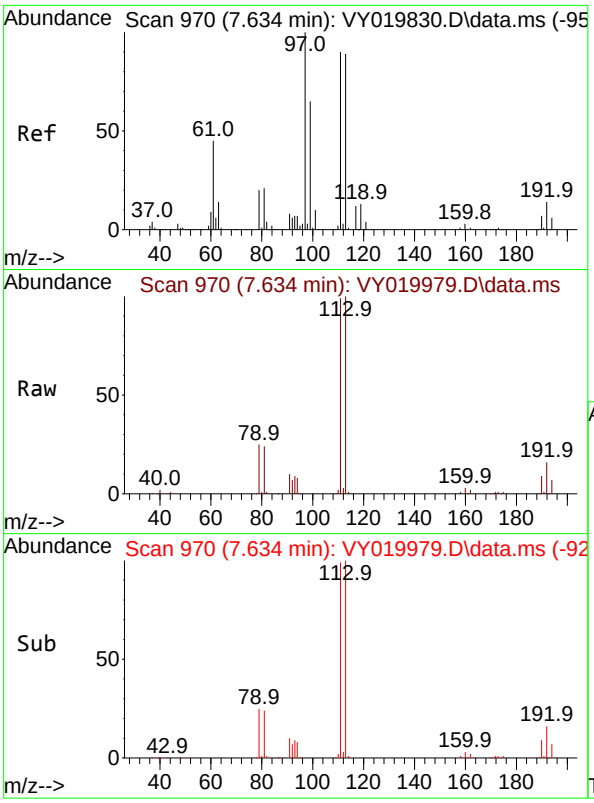


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion:114 Resp: 558411

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	35.0
88	16.8	0.0	27.2



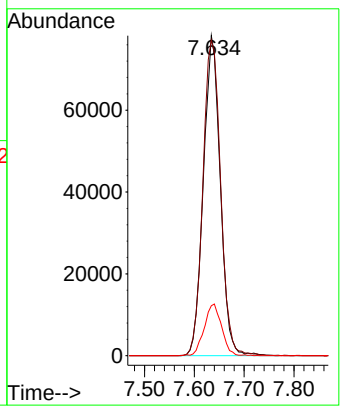


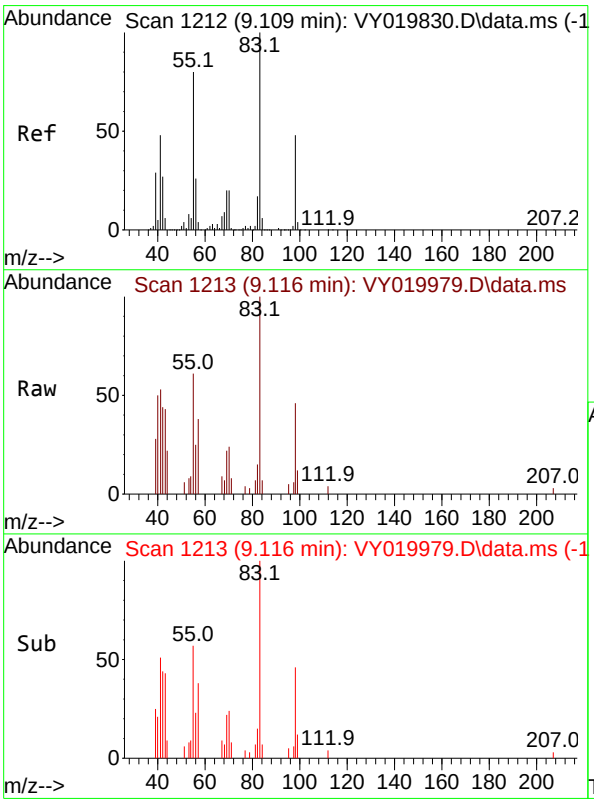
#35
Dibromofluoromethane
Concen: 49.903 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Tgt Ion:113 Resp: 183888

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	16.7	15.9	23.9

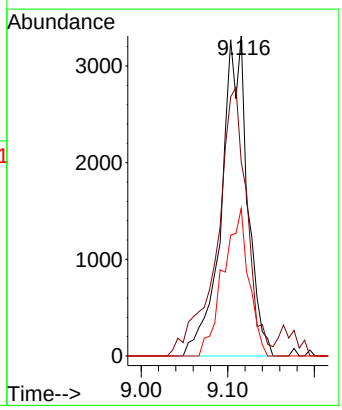


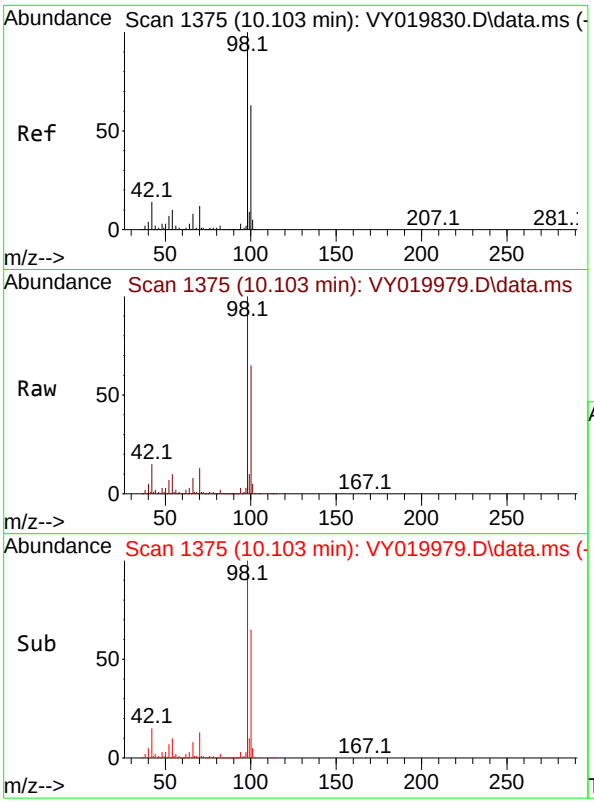


#39
Methylcyclohexane
Concen: 1.040 ug/l
RT: 9.116 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion: 83 Resp: 6955

Ion	Ratio	Lower	Upper
83	100		
55	55.1	51.5	77.3
98	46.1	40.5	60.7



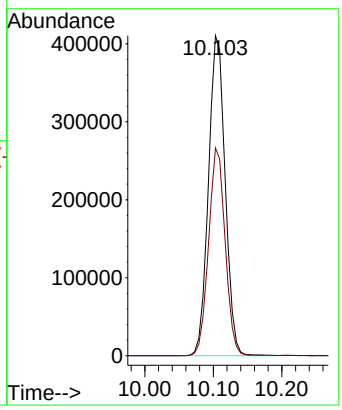


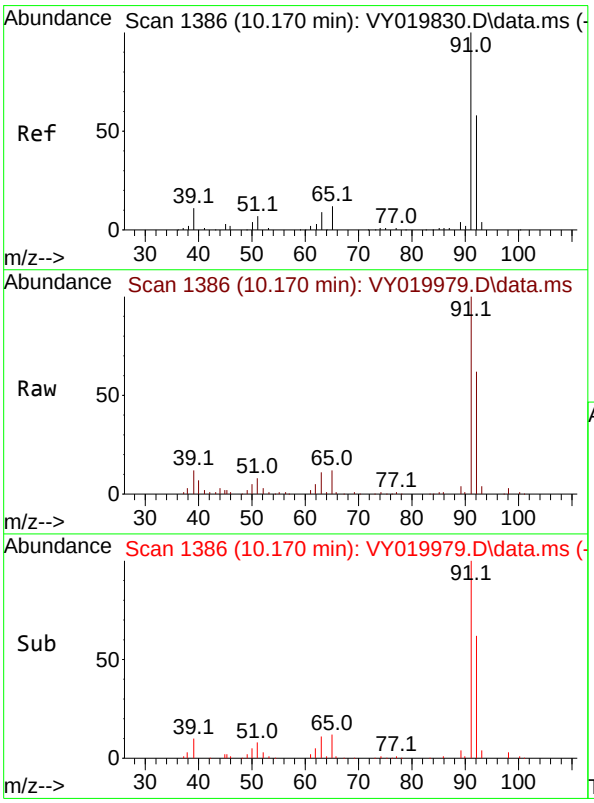
#50
Toluene-d8
Concen: 51.077 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Tgt Ion: 98 Resp: 695045

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.0	78.0

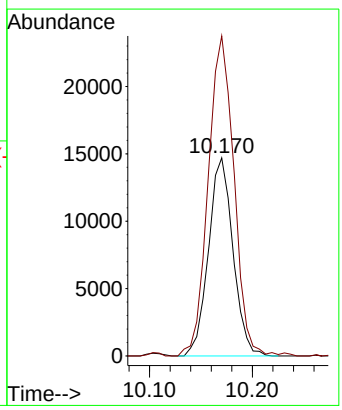


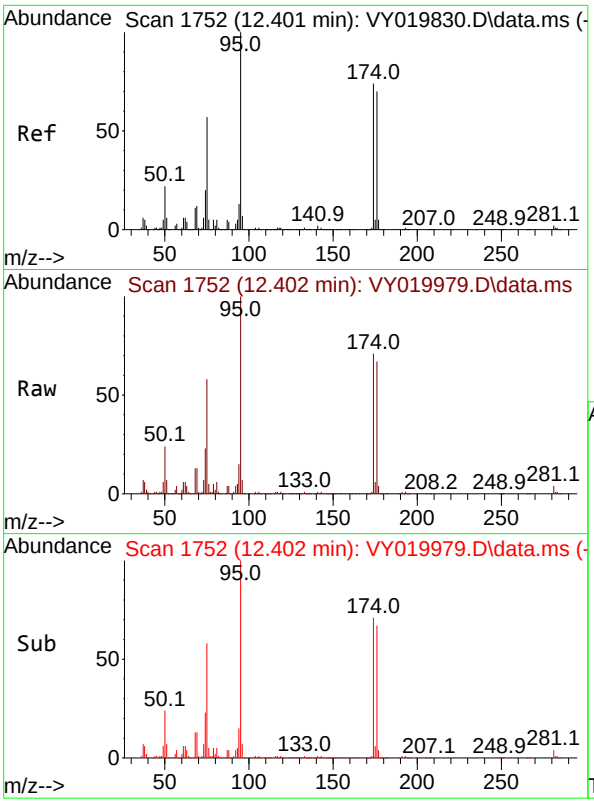


#52
Toluene
Concen: 2.429 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion: 92 Resp: 24355

Ion	Ratio	Lower	Upper
92	100		
91	170.1	139.0	208.6



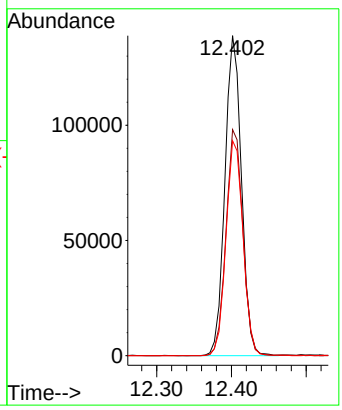


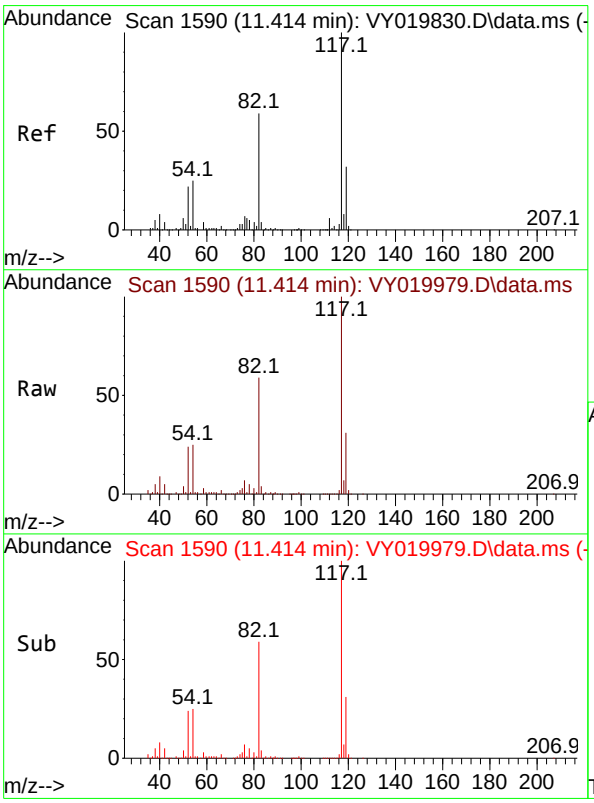
#62
4-Bromofluorobenzene
Concen: 43.568 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Tgt Ion: 95 Resp: 214219

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	175.6
176	69.2	0.0	171.4

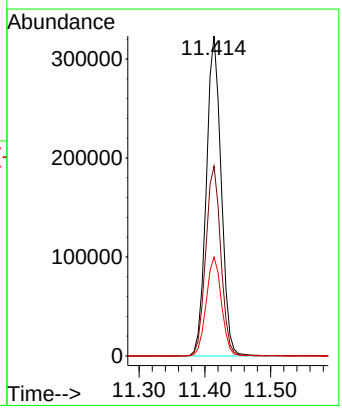


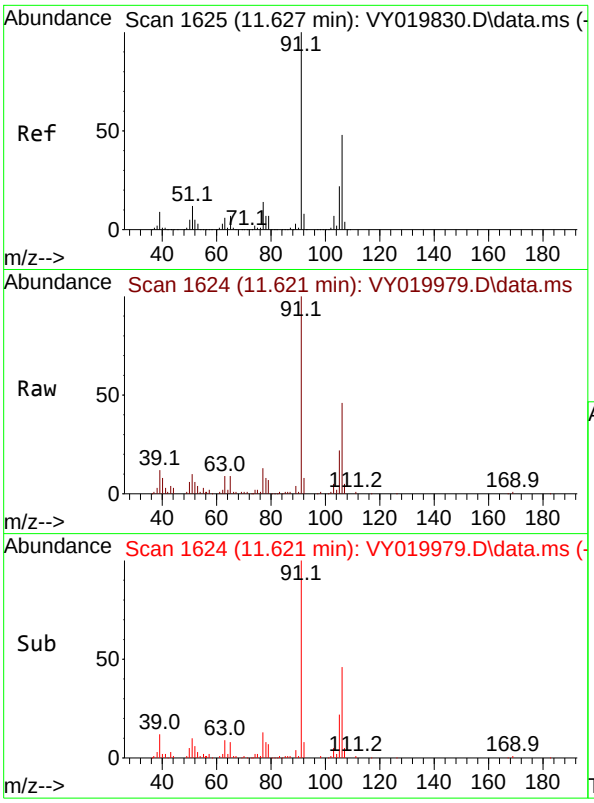


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion:117 Resp: 507425

Ion	Ratio	Lower	Upper
117	100		
82	59.3	42.4	63.6
119	30.9	25.9	38.9



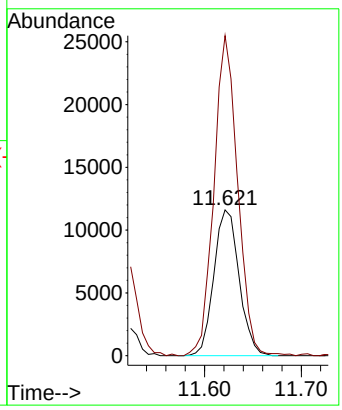


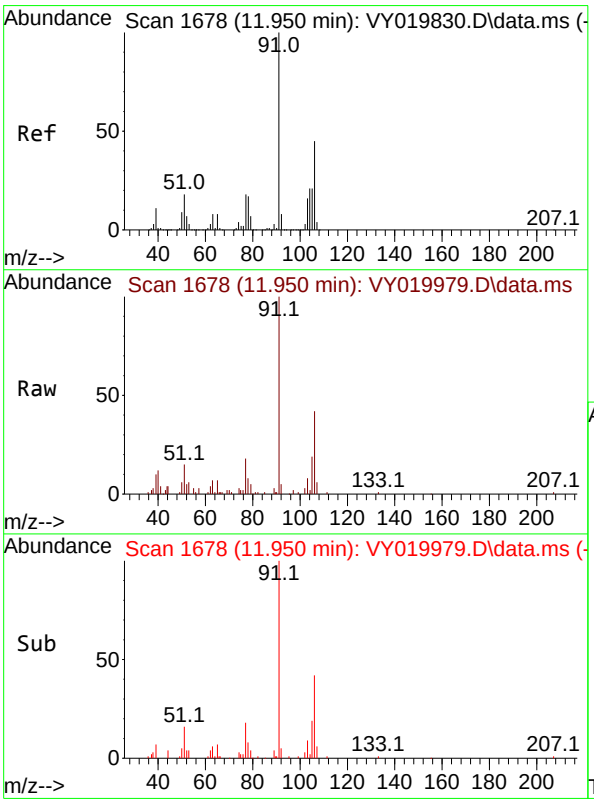
#68
m/p-Xylenes
Concen: 2.696 ug/l
RT: 11.621 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Tgt Ion:106 Resp: 20990

Ion	Ratio	Lower	Upper
106	100		
91	206.6	156.0	234.0

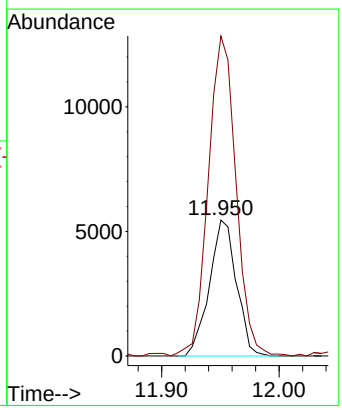


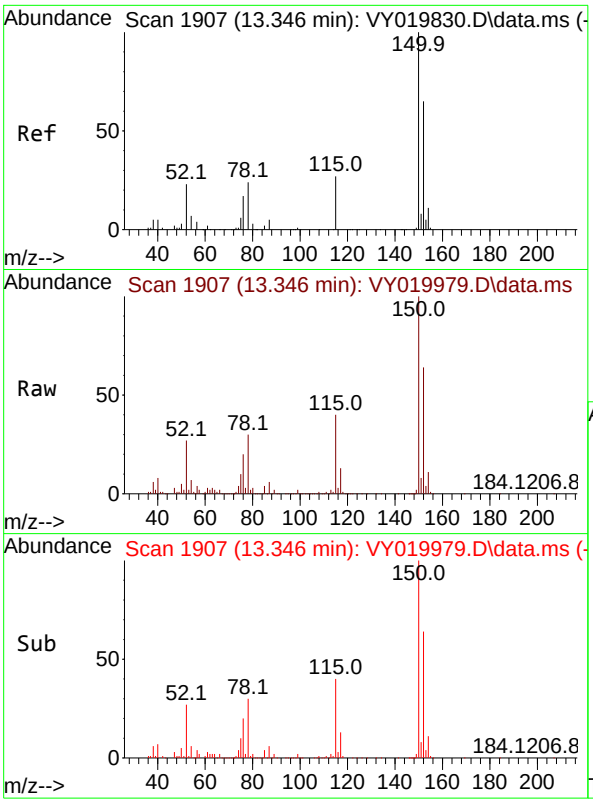


#69
o-Xylene
Concen: 1.168 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion:106 Resp: 8735

Ion	Ratio	Lower	Upper
106	100		
91	240.9	103.6	310.8



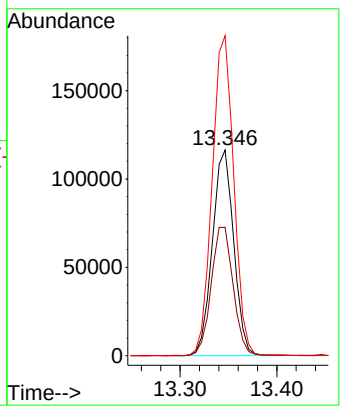


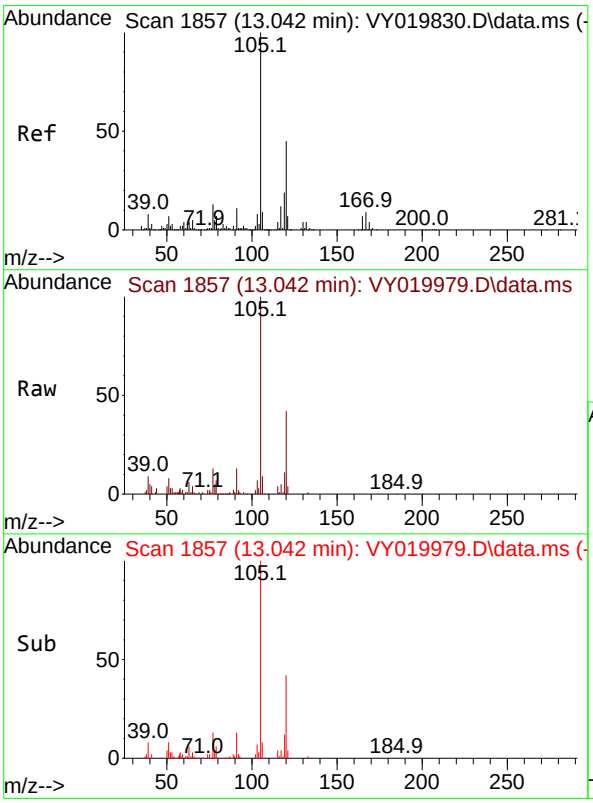
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Tgt Ion:152 Resp: 178248

Ion	Ratio	Lower	Upper
152	100		
115	64.4	28.2	84.7
150	157.0	0.0	345.6

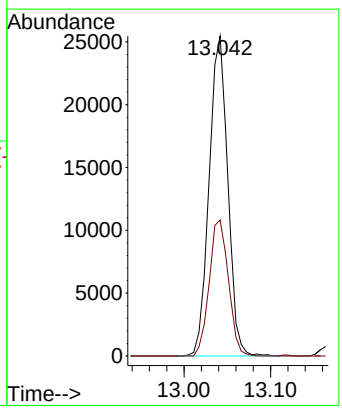




#84
1,2,4-Trimethylbenzene
Concen: 3.173 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019979.D
Acq: 22 Oct 2024 14:23

Tgt Ion:105 Resp: 38093

Ion	Ratio	Lower	Upper
105	100		
120	43.6	23.2	69.6



Sample Results: **VY019979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019979.D
Acq On : 22 Oct 2024 14:23
Operator : SY/MD
Sample : P4471-01
Misc : 8.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

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_Y\methods\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY019979.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	465	476	493	rBV4	29438	107272	5.55%	0.901%
2	5.647	633	644	654	rBV4	9763	33232	1.72%	0.279%
3	7.634	961	970	976	rBV	261208	633992	32.80%	5.325%
4	7.707	976	982	993	rVV	399931	933405	48.29%	7.840%
5	7.921	1010	1017	1023	rBV5	12321	27941	1.45%	0.235%
6	8.061	1029	1040	1054	rBV	242901	551329	28.52%	4.631%
7	8.250	1065	1071	1081	rVB2	14687	39451	2.04%	0.331%
8	8.469	1100	1107	1118	rVB4	14039	31009	1.60%	0.260%
9	8.616	1122	1131	1147	rBV	706335	1408945	72.90%	11.834%
10	9.109	1201	1212	1218	rBV5	19591	51579	2.67%	0.433%
11	9.542	1276	1283	1293	rBV4	12020	25774	1.33%	0.216%
12	9.676	1300	1305	1310	rVB3	14895	28472	1.47%	0.239%
13	9.743	1312	1316	1321	rBV2	12415	22404	1.16%	0.188%
14	9.890	1328	1340	1350	rBV4	14390	35784	1.85%	0.301%
15	10.103	1368	1375	1382	rBV	1140564	1932795	100.00%	16.234%
16	10.170	1382	1386	1392	rVB	58304	98670	5.11%	0.829%
17	10.298	1399	1407	1413	rVB3	22729	47371	2.45%	0.398%
18	10.536	1439	1446	1454	rVB10	8552	22846	1.18%	0.192%
19	11.207	1552	1556	1566	rVB6	11993	27646	1.43%	0.232%
20	11.414	1583	1590	1600	rBV	1055691	1690994	87.49%	14.203%
21	11.518	1602	1607	1615	rVV	25214	44359	2.30%	0.373%
22	11.621	1616	1624	1635	rVV	80120	163284	8.45%	1.371%
23	11.950	1669	1678	1687	rBV	40535	77218	4.00%	0.649%
24	12.402	1744	1752	1762	rVB	738722	1193793	61.77%	10.027%
25	12.591	1774	1783	1788	rBV	13863	23863	1.23%	0.200%
26	12.658	1788	1794	1797	rVV	39330	63361	3.28%	0.532%
27	12.688	1797	1799	1802	rVV2	16786	22756	1.18%	0.191%
28	12.731	1802	1806	1811	rVB2	34568	52966	2.74%	0.445%
29	12.889	1827	1832	1838	rBV	17108	28746	1.49%	0.241%
30	13.042	1851	1857	1865	rBV	74629	117743	6.09%	0.989%
31	13.346	1900	1907	1916	rBV	775761	1248938	64.62%	10.490%
32	13.542	1935	1939	1942	rVV2	30148	49059	2.54%	0.412%
33	13.584	1942	1946	1956	rVB3	29999	63545	3.29%	0.534%
34	13.804	1976	1982	1985	rVV2	16455	31425	1.63%	0.264%
35	13.834	1985	1987	1990	rVV2	16799	21614	1.12%	0.182%
36	13.883	1990	1995	2002	rVB3	129770	210189	10.87%	1.765%

Sample Results: **VY019979.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019979.D
Acq On : 22 Oct 2024 14:23
Operator : SY/MD
Sample : P4471-01
Misc : 8.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

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_Y\methods\82Y100924S.M
Title : SW846 8260

37	13.999	2009	2014	2020	rVB2	20274	31138	1.61%	0.262%
38	14.133	2029	2036	2039	rBV6	9599	21217	1.10%	0.178%
39	14.212	2045	2049	2052	rBV	15603	22297	1.15%	0.187%
40	14.249	2052	2055	2060	rVB	25325	34805	1.80%	0.292%
41	14.298	2060	2063	2066	rBV4	14734	20198	1.05%	0.170%
42	14.480	2089	2093	2098	rBV3	17901	34999	1.81%	0.294%
43	14.529	2098	2101	2106	rVV2	14955	20094	1.04%	0.169%
44	14.596	2106	2112	2117	rVV4	31795	71147	3.68%	0.598%
45	14.651	2117	2121	2127	rVB2	14881	24656	1.28%	0.207%
46	14.858	2150	2155	2158	rBV4	16226	26002	1.35%	0.218%
47	14.968	2167	2173	2177	rBV6	16634	29923	1.55%	0.251%
48	15.127	2192	2199	2206	rBV10	12078	31811	1.65%	0.267%
49	15.431	2242	2249	2255	rBV5	12999	30326	1.57%	0.255%
50	15.584	2268	2274	2276	rVV6	11106	22111	1.14%	0.186%
51	15.620	2277	2280	2286	rVB3	24835	39604	2.05%	0.333%
52	15.779	2300	2306	2312	rBV9	10907	26604	1.38%	0.223%
53	15.925	2324	2330	2335	rVB8	16447	35787	1.85%	0.301%
54	16.114	2354	2361	2366	rVV6	20964	45798	2.37%	0.385%
55	16.175	2366	2371	2379	rVB	36053	72615	3.76%	0.610%
56	16.370	2397	2403	2416	rVB4	28498	80522	4.17%	0.676%
57	16.504	2418	2425	2434	rVB4	7626	20448	1.06%	0.172%

Sum of corrected areas: 11905872

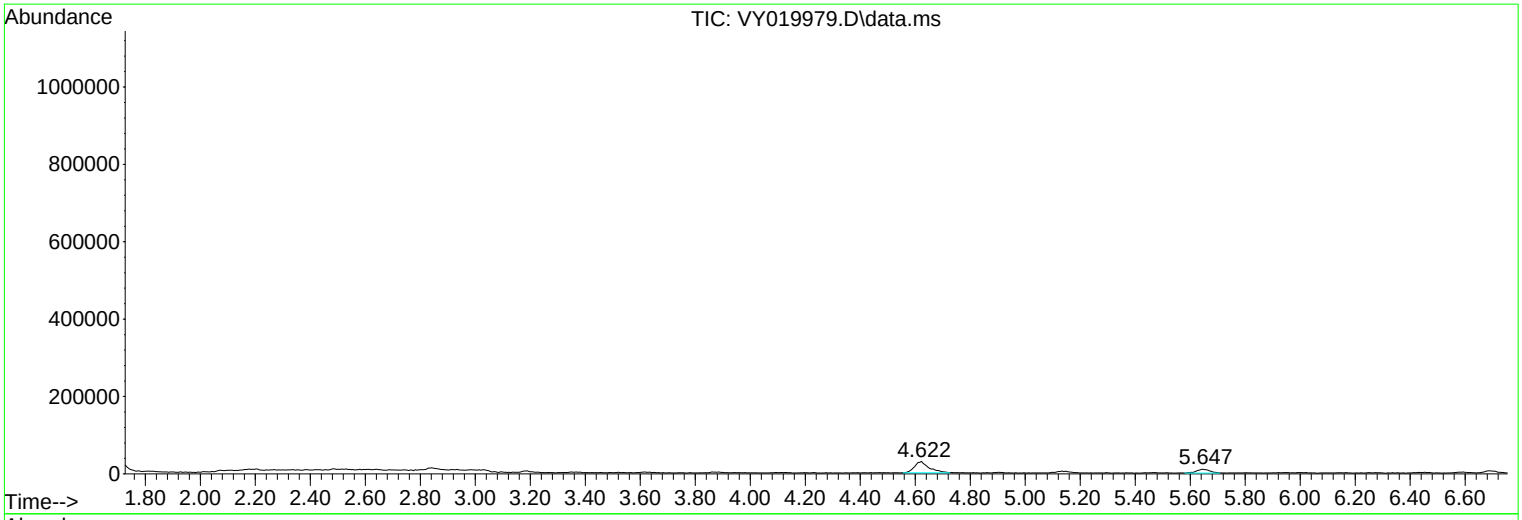
Sample Results: **VY019979.D**

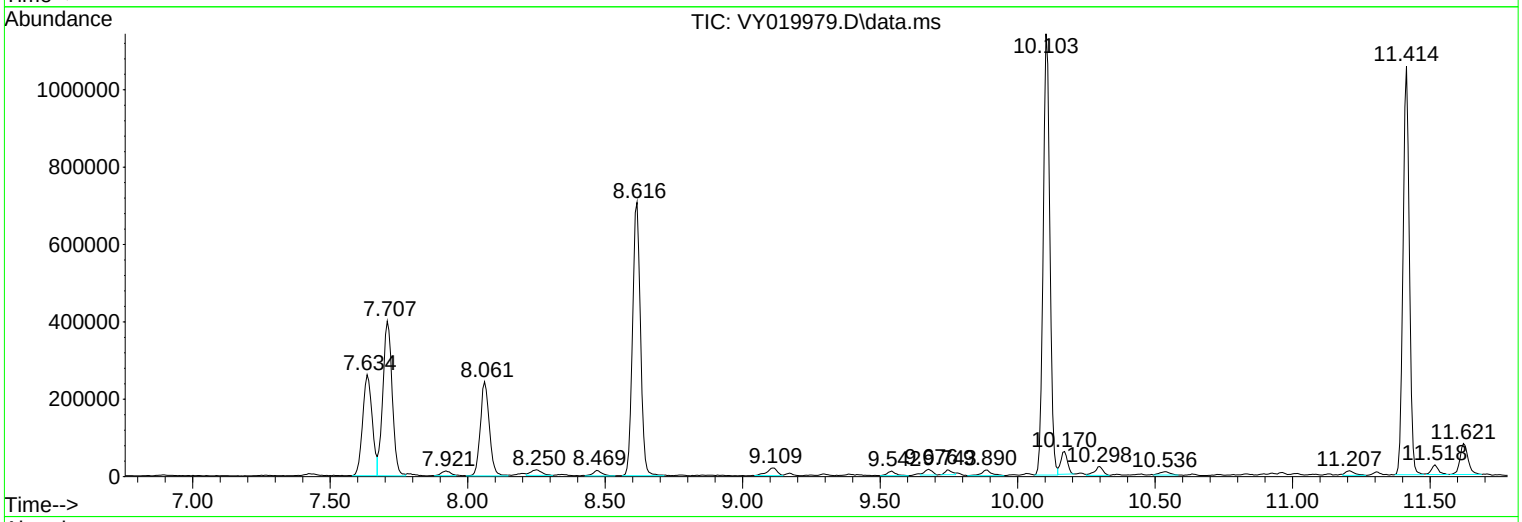
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019979.D
Acq On : 22 Oct 2024 14:23
Operator : SY/MD
Sample : P4471-01
Misc : 8.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

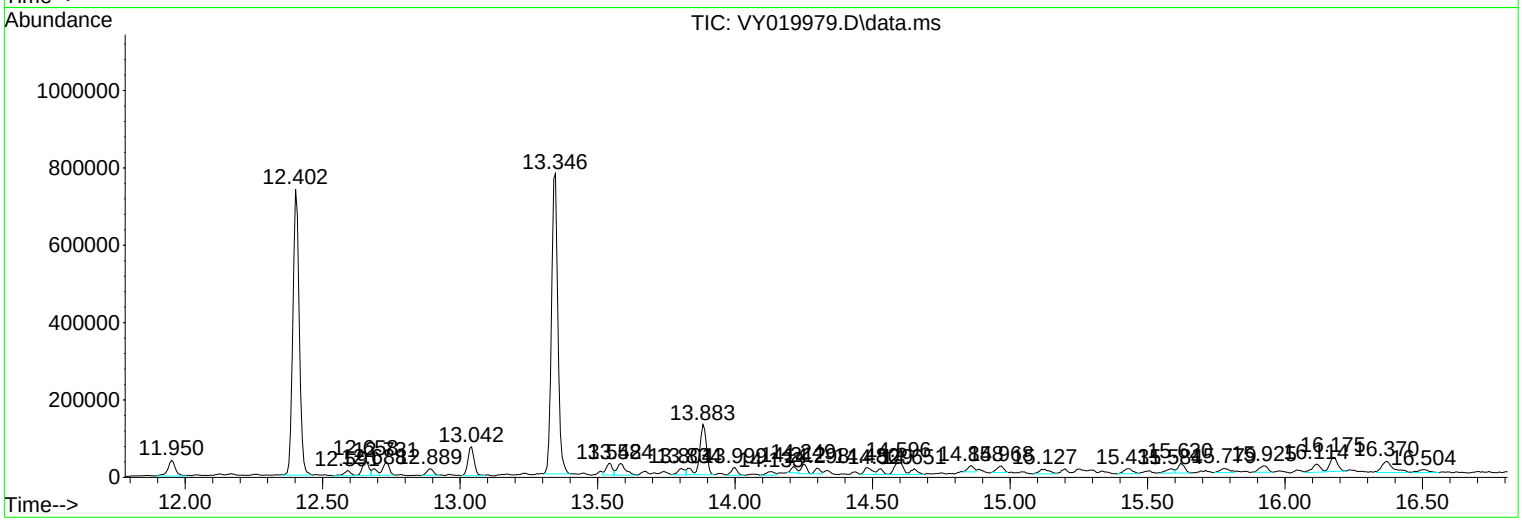
Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019979.D
Acq On : 22 Oct 2024 14:23
Operator : SY/MD
Sample : P4471-01
Misc : 8.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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_Y\Data\VY102224\
Data File : VY019979.D
Acq On : 22 Oct 2024 14:23
Operator : SY/MD
Sample : P4471-01
Misc : 8.32g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Quant Time: Oct 23 23:08:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

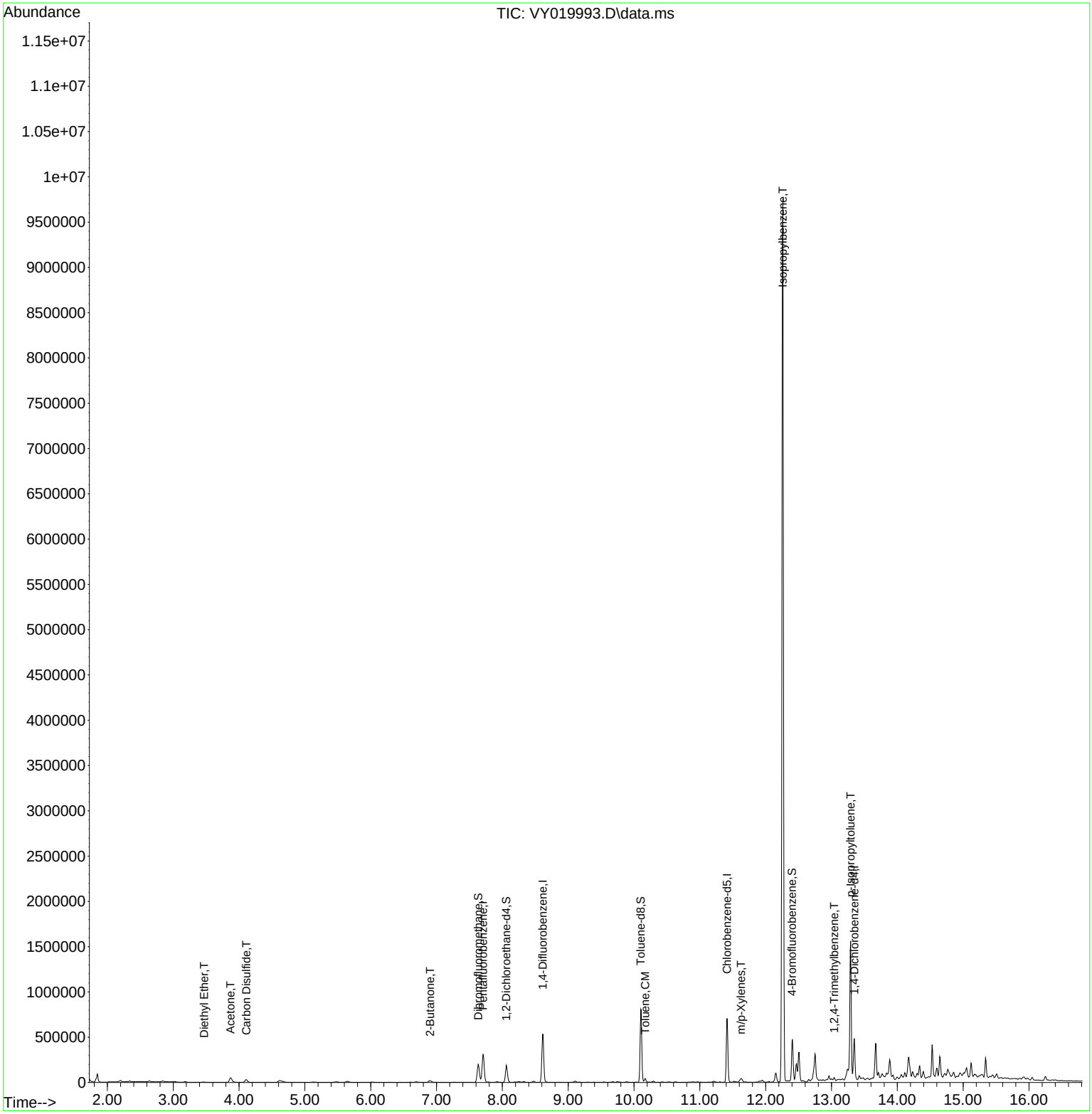
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	211103	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	422929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	336247	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	95105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	137413	52.865	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.740%			
35) Dibromofluoromethane	7.634	113	136178	48.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.580%			
50) Toluene-d8	10.103	98	510827	49.565	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.401	95	129366	34.739	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 69.480%			
Target Compounds						Qvalue
8) Diethyl Ether	3.470	74	1436	1.128	ug/l	61
16) Acetone	3.872	43	91027	134.528	ug/l #	86
17) Carbon Disulfide	4.110	76	58543	9.644	ug/l	98
25) 2-Butanone	6.902	43	34019	37.561	ug/l #	83
52) Toluene	10.170	92	16003	2.107	ug/l	94
68) m/p-Xylenes	11.627	106	8079	1.566	ug/l	79
73) Isopropylbenzene	12.261	105	346599	43.327	ug/l #	60
84) 1,2,4-Trimethylbenzene	13.041	105	15636	2.441	ug/l	92
86) p-Isopropyltoluene	13.291	119	759982	108.235	ug/l	94

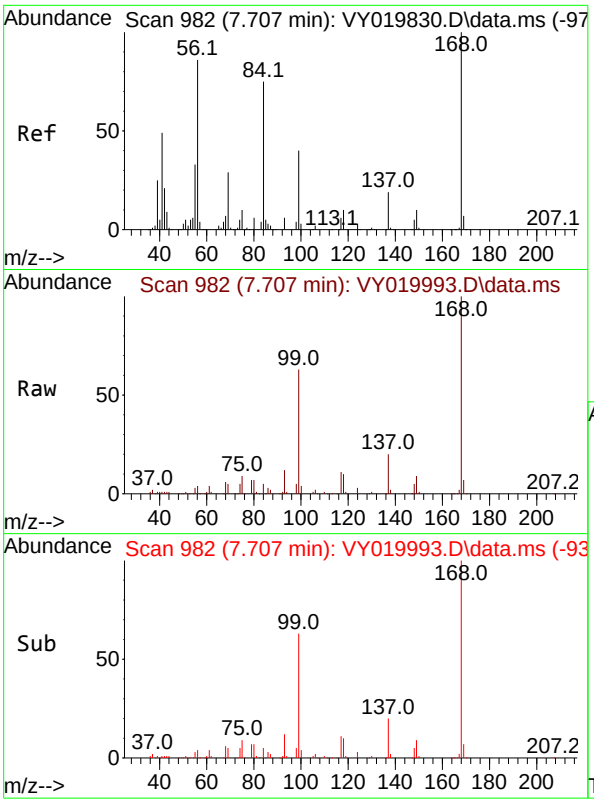
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Quant Time: Oct 23 23:08:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



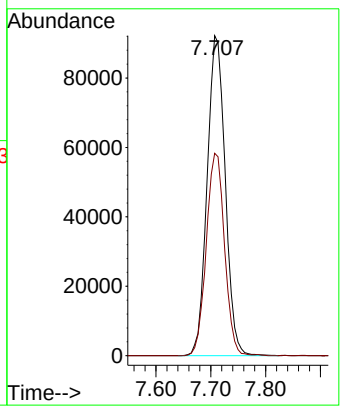


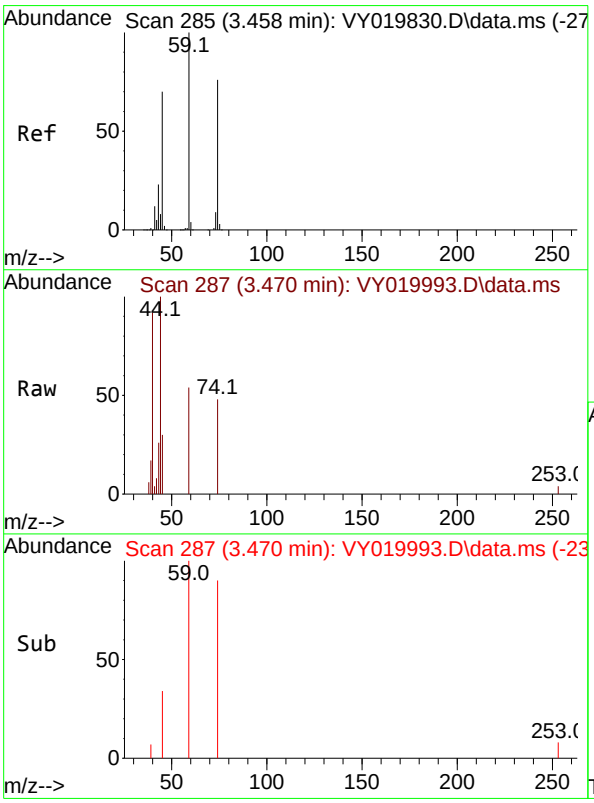
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Tgt Ion:168 Resp: 211103

Ion	Ratio	Lower	Upper
168	100		
99	63.3	39.1	58.7#

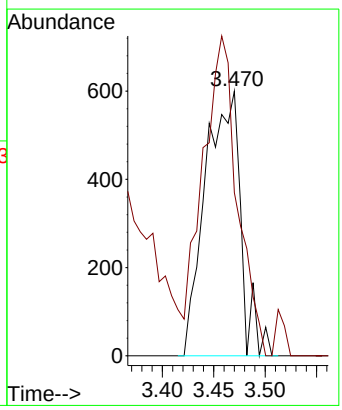


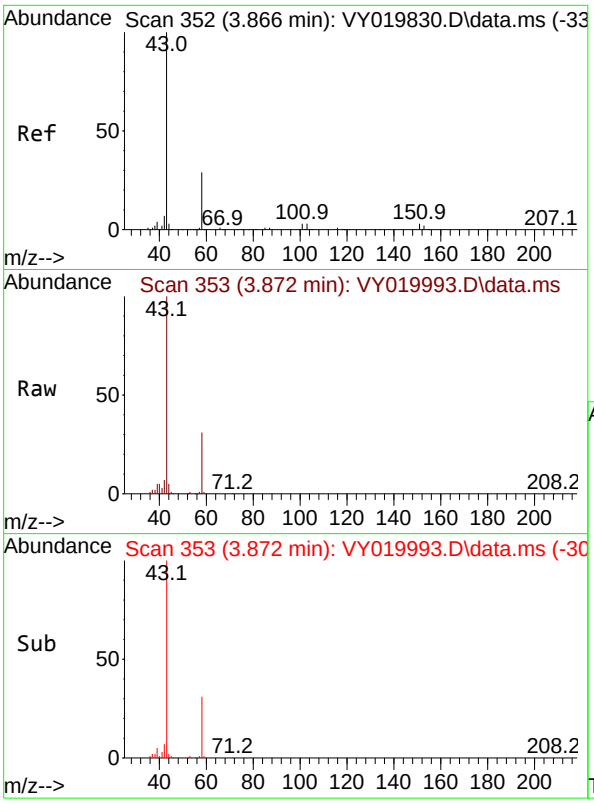


#8
Diethyl Ether
Concen: 1.128 ug/l
RT: 3.470 min Scan# 287
Delta R.T. 0.012 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 74 Resp: 1436

Ion	Ratio	Lower	Upper
74	100		
45	118.1	41.3	124.1



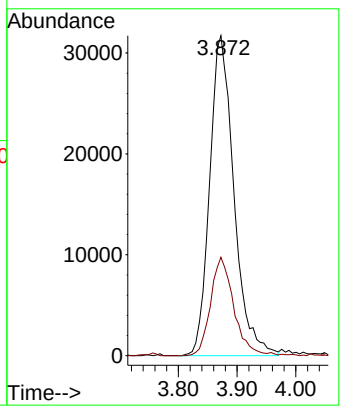


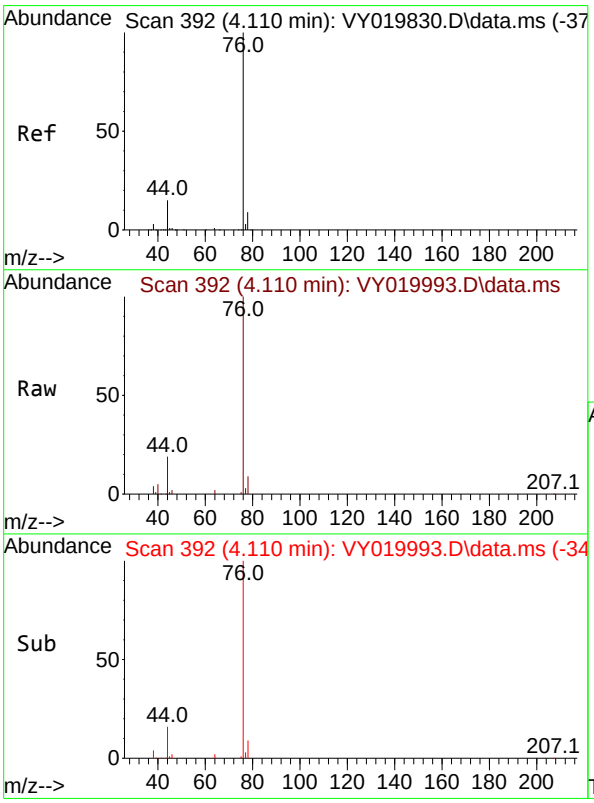
#16
Acetone
Concen: 134.528 ug/l
RT: 3.872 min Scan# 3
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Tgt Ion: 43 Resp: 91027

Ion	Ratio	Lower	Upper
43	100		
58	30.8	31.7	47.5#

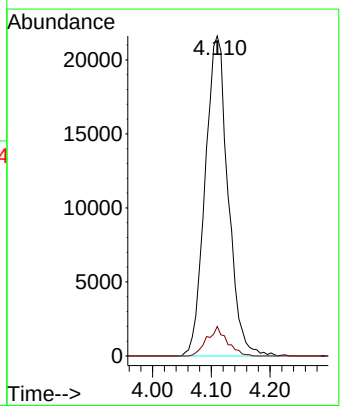


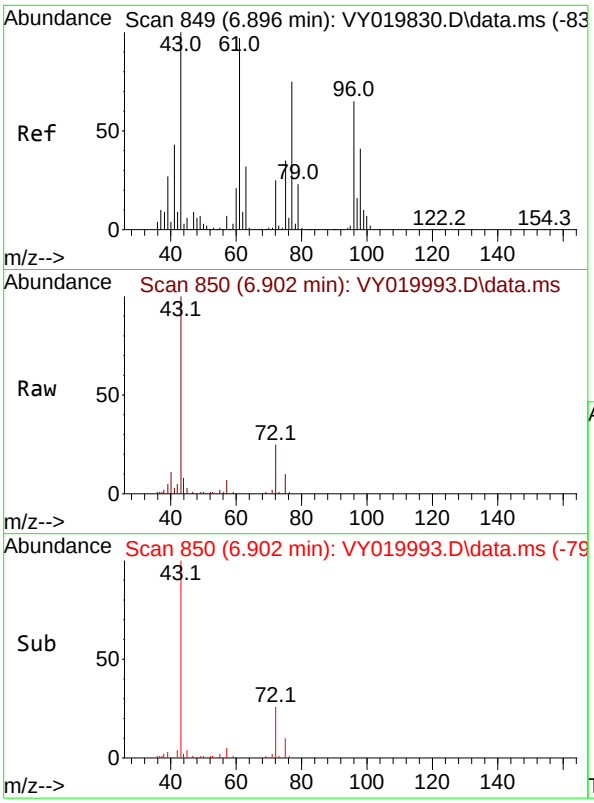


#17
Carbon Disulfide
Concen: 9.644 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 76 Resp: 58543

Ion	Ratio	Lower	Upper
76	100		
78	9.2	6.8	10.2



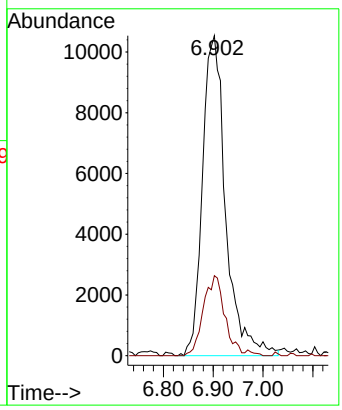


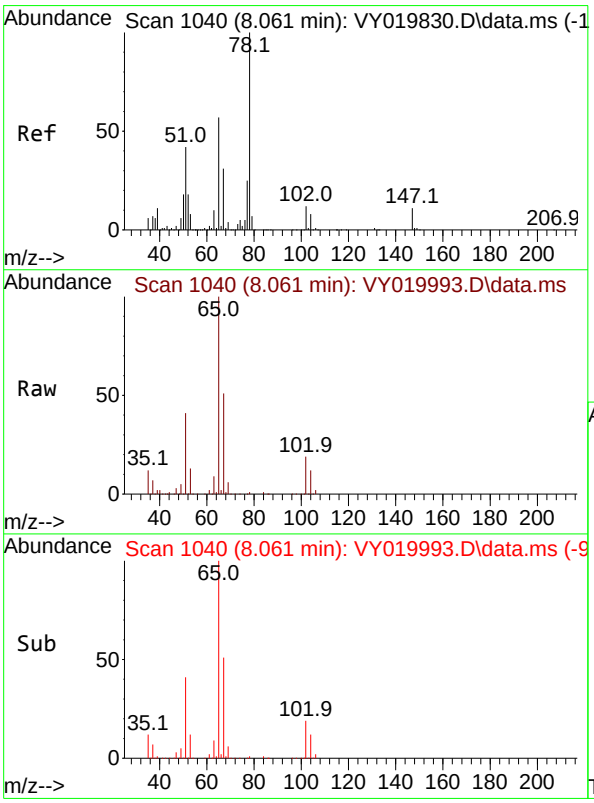
#25
2-Butanone
Concen: 37.561 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Tgt Ion: 43 Resp: 34019

Ion	Ratio	Lower	Upper
43	100		
72	24.5	27.3	40.9#

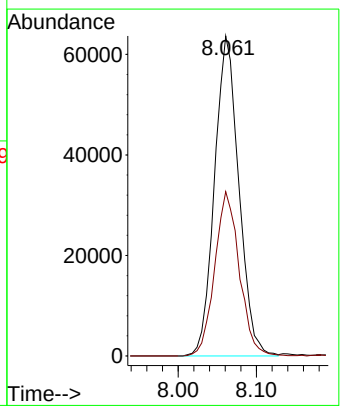


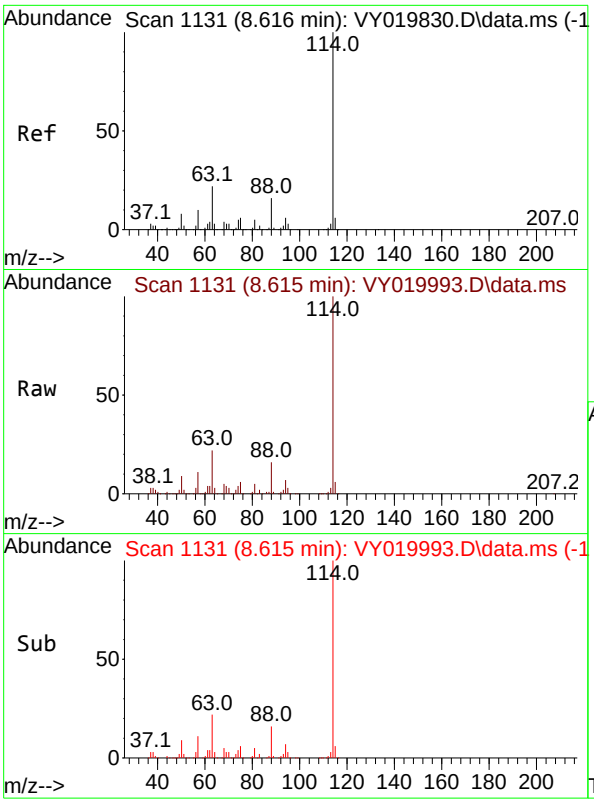


#33
1,2-Dichloroethane-d4
Concen: 52.865 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 65 Resp: 137413

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	109.6



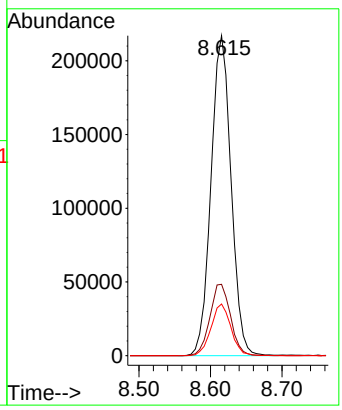


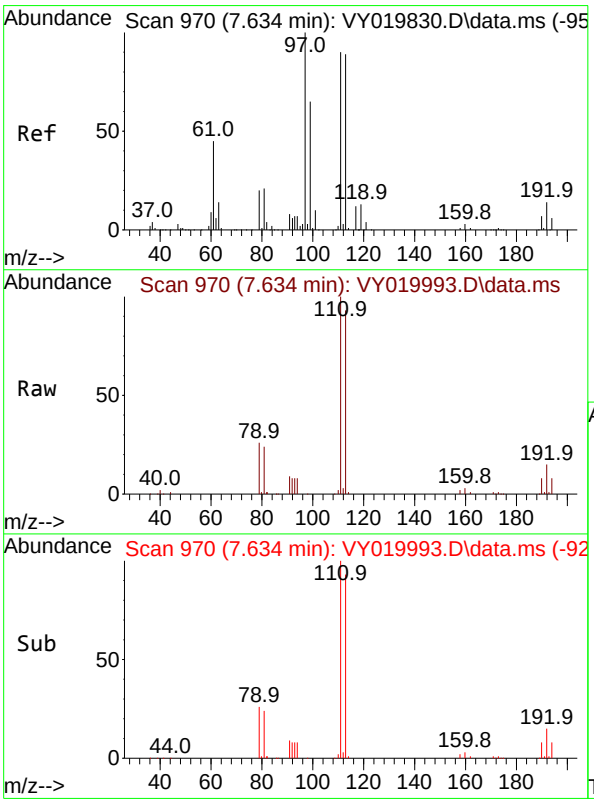
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Tgt Ion:114 Resp: 422929

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	35.0
88	16.2	0.0	27.2

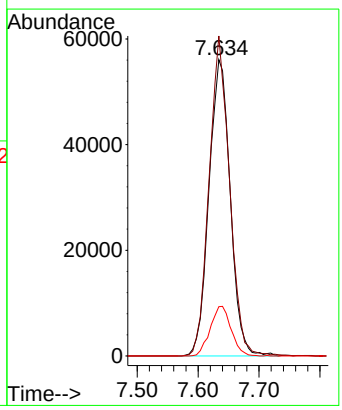


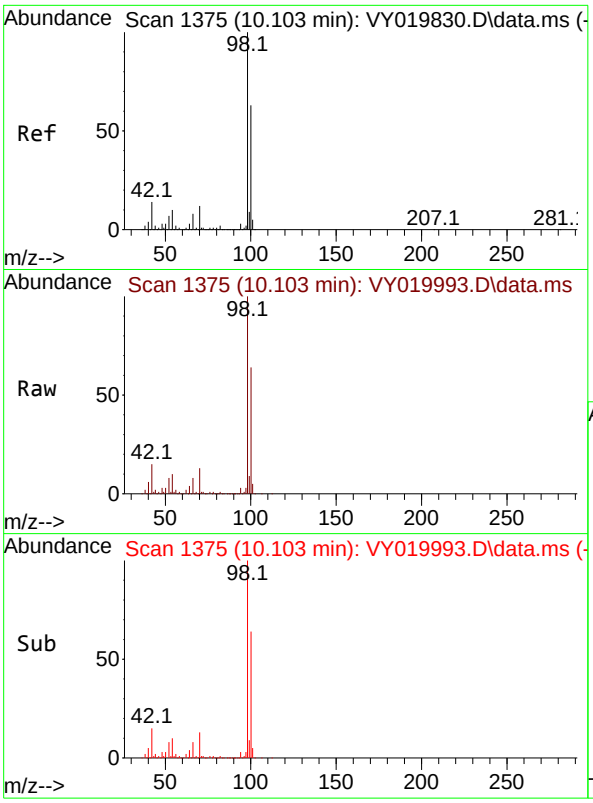


#35
Dibromofluoromethane
Concen: 48.794 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:113 Resp: 136178

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.2	123.4
192	16.4	15.9	23.9



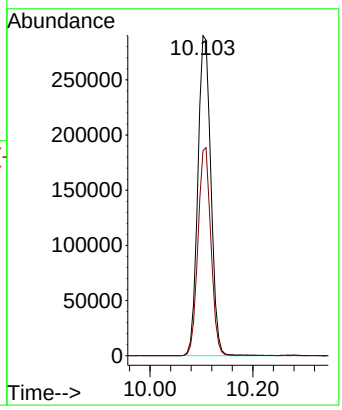


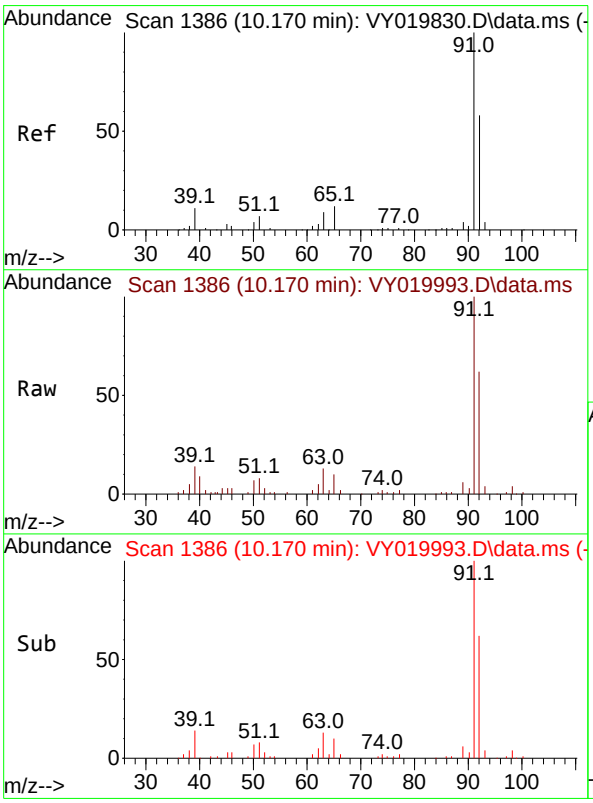
#50
Toluene-d8
Concen: 49.565 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Tgt Ion: 98 Resp: 510827

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

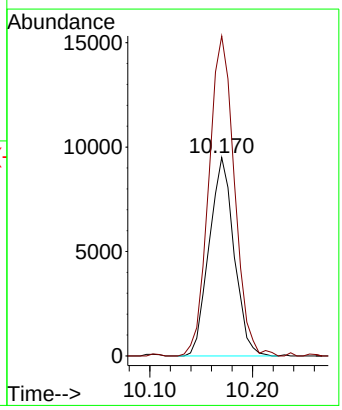


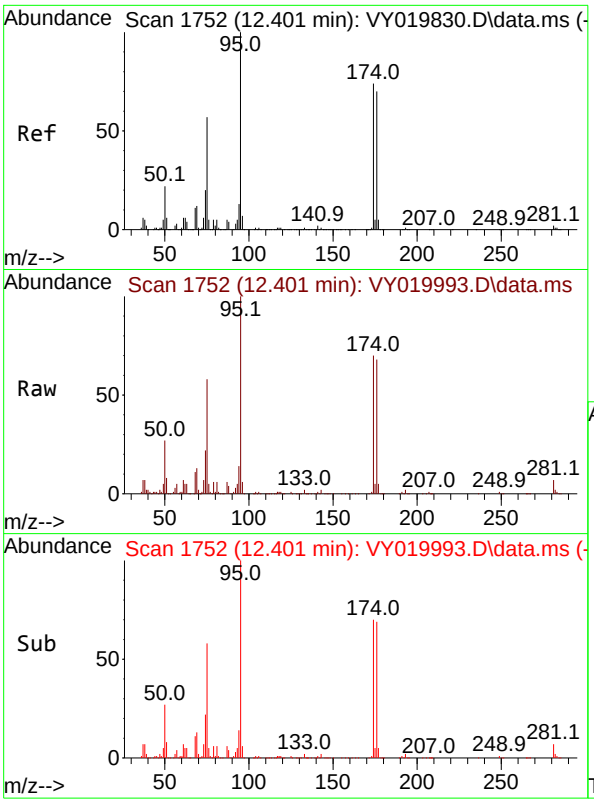


#52
Toluene
Concen: 2.107 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion: 92 Resp: 16003

Ion	Ratio	Lower	Upper
92	100		
91	166.0	139.0	208.6



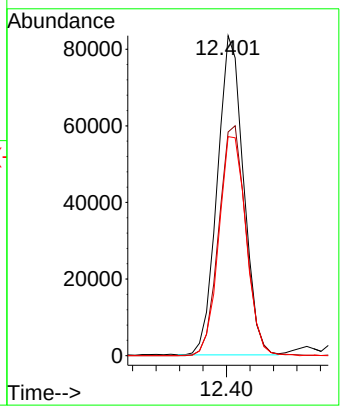


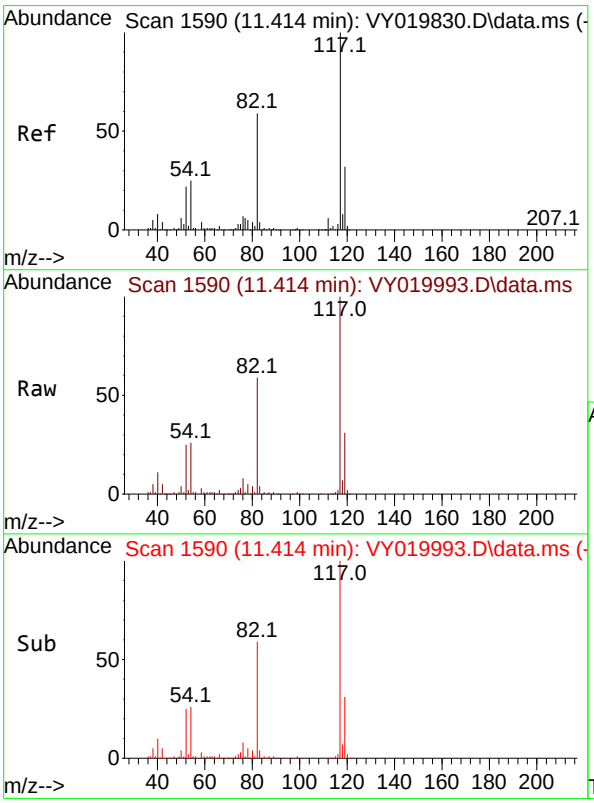
#62
4-Bromofluorobenzene
Concen: 34.739 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Tgt Ion: 95 Resp: 129366

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	175.6
176	71.5	0.0	171.4

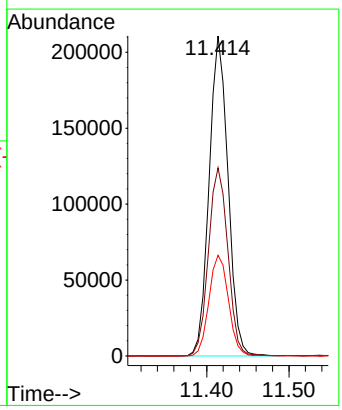


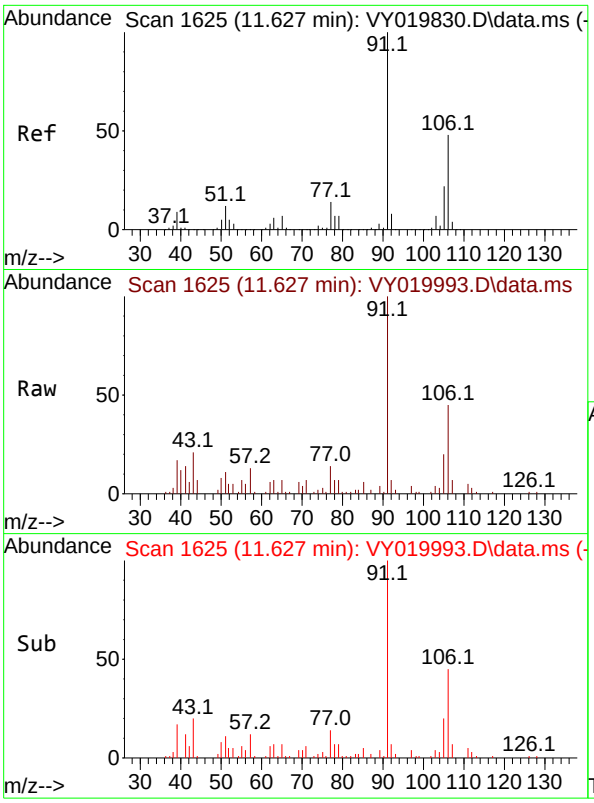


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:117 Resp: 336247

Ion	Ratio	Lower	Upper
117	100		
82	58.8	42.4	63.6
119	31.5	25.9	38.9



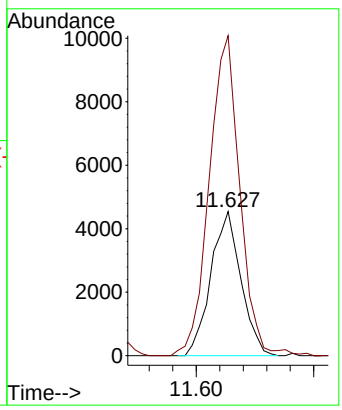


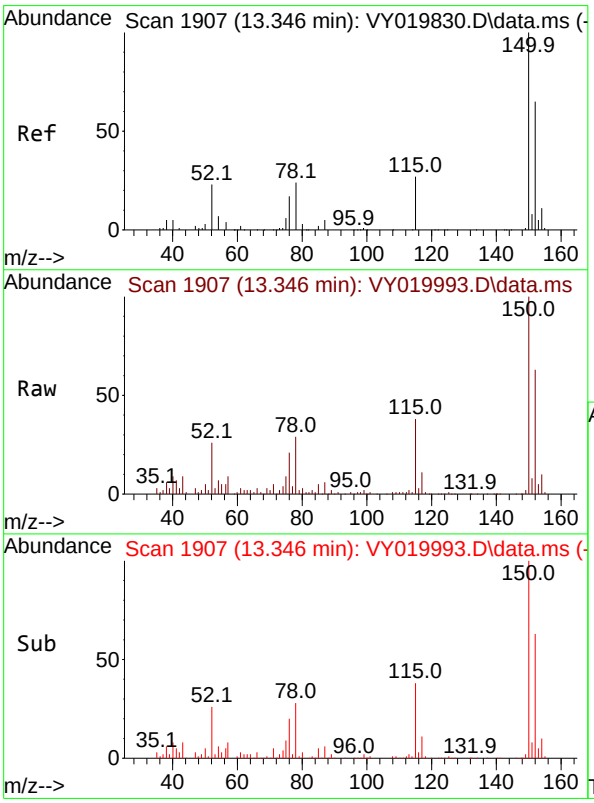
#68
m/p-Xylenes
Concen: 1.566 ug/l
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Tgt Ion:106 Resp: 8079

Ion	Ratio	Lower	Upper
106	100		
91	225.9	156.0	234.0

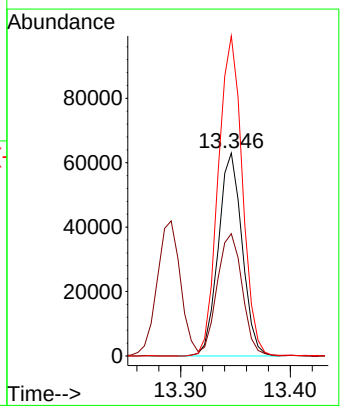


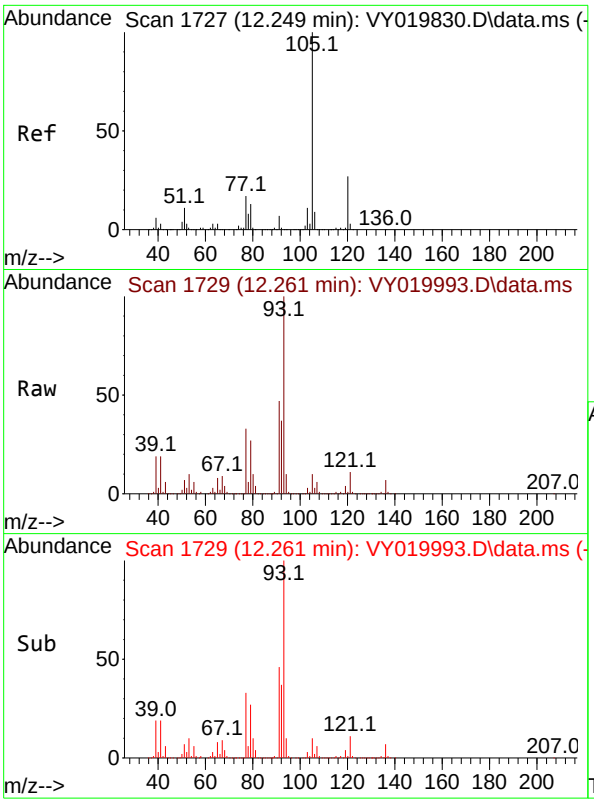


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:152 Resp: 95105

Ion	Ratio	Lower	Upper
152	100		
115	63.7	28.2	84.7
150	160.0	0.0	345.6



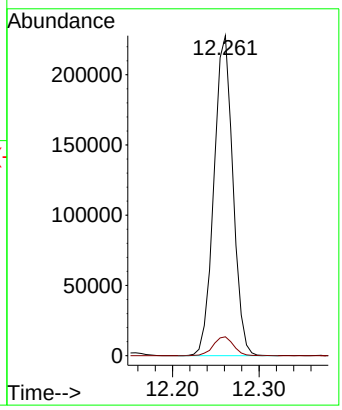


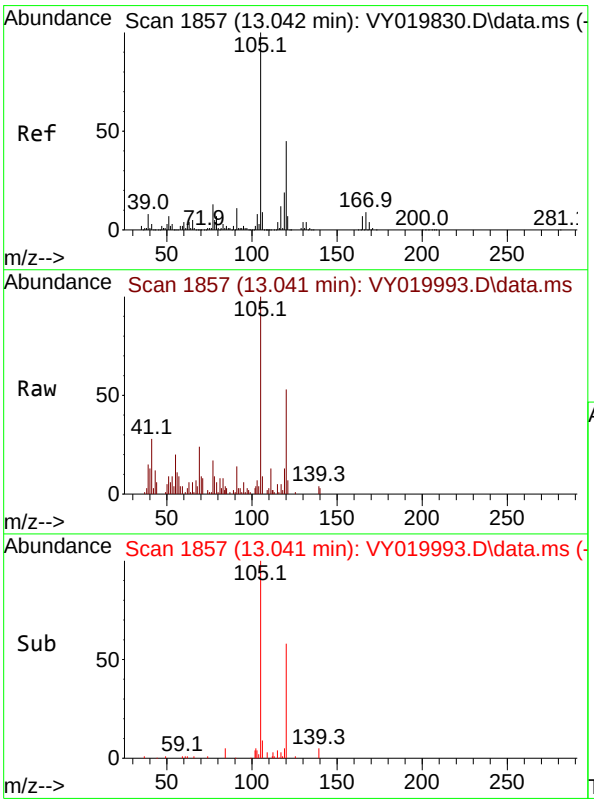
#73
Isopropylbenzene
Concen: 43.327 ug/l
RT: 12.261 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Tgt Ion:105 Resp: 346599

Ion	Ratio	Lower	Upper
105	100		
120	6.3	13.4	40.1#

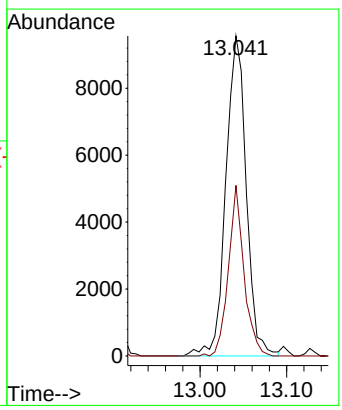


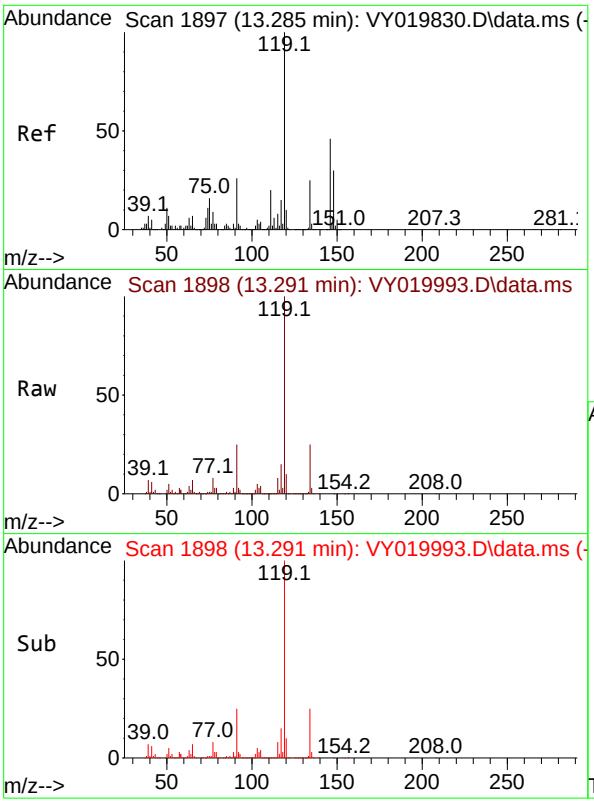


#84
1,2,4-Trimethylbenzene
Concen: 2.441 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Tgt Ion:105 Resp: 15636

Ion	Ratio	Lower	Upper
105	100		
120	40.9	23.2	69.6



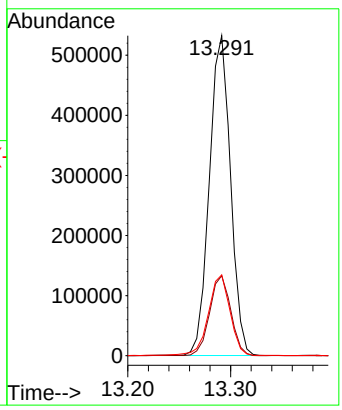


#86
p-Isopropyltoluene
Concen: 108.235 ug/l
RT: 13.291 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019993.D
Acq: 23 Oct 2024 14:45

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Tgt Ion:119 Resp: 759982

Ion	Ratio	Lower	Upper
119	100		
134	24.9	13.1	39.3
91	26.0	10.7	32.1



Sample Results: **VY019993.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

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_Y\methods\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY019993.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.848	13	21	29	rVB	90343	166155	1.10%	0.556%
2	7.634	958	970	976	rBV	198435	475279	3.13%	1.591%
3	7.707	976	982	993	rVB	305218	703451	4.64%	2.355%
4	8.061	1031	1040	1052	rBV	187779	406217	2.68%	1.360%
5	8.615	1122	1131	1147	rBV	535077	1070675	7.06%	3.584%
6	10.103	1368	1375	1382	rBV	805753	1424668	9.40%	4.769%
7	11.414	1583	1590	1603	rBV	705336	1148646	7.58%	3.845%
8	12.151	1702	1711	1721	rBV2	100060	204857	1.35%	0.686%
9	12.261	1721	1729	1737	rBV	9749877	15161734	100.00%	50.758%
10	12.407	1744	1753	1758	rBV2	457058	785140	5.18%	2.628%
11	12.468	1758	1763	1766	rVV	191615	355476	2.34%	1.190%
12	12.505	1766	1769	1776	rVB	322725	481328	3.17%	1.611%
13	12.749	1797	1809	1818	rBV3	297936	653503	4.31%	2.188%
14	13.243	1881	1890	1892	rBV5	118337	250462	1.65%	0.838%
15	13.291	1892	1898	1902	rVV	1533497	2323512	15.32%	7.779%
16	13.346	1902	1907	1915	rVB	454610	742591	4.90%	2.486%
17	13.669	1954	1960	1965	rBV2	385013	634912	4.19%	2.126%
18	13.883	1991	1995	2000	rVB	187374	303297	2.00%	1.015%
19	14.169	2036	2042	2049	rBV8	215331	464611	3.06%	1.555%
20	14.340	2066	2070	2074	rVB	131755	198757	1.31%	0.665%
21	14.529	2096	2101	2108	rBV2	355345	492599	3.25%	1.649%
22	14.596	2108	2112	2116	rVV3	97843	168446	1.11%	0.564%
23	14.645	2116	2120	2127	rVB2	227138	360662	2.38%	1.207%
24	14.767	2136	2140	2148	rVB4	79746	172721	1.14%	0.578%
25	15.053	2183	2187	2192	rVB5	103772	187418	1.24%	0.627%
26	15.120	2193	2198	2203	rBV	151016	228026	1.50%	0.763%
27	15.340	2230	2234	2241	rVB	214339	305458	2.01%	1.023%

Sum of corrected areas: 29870601

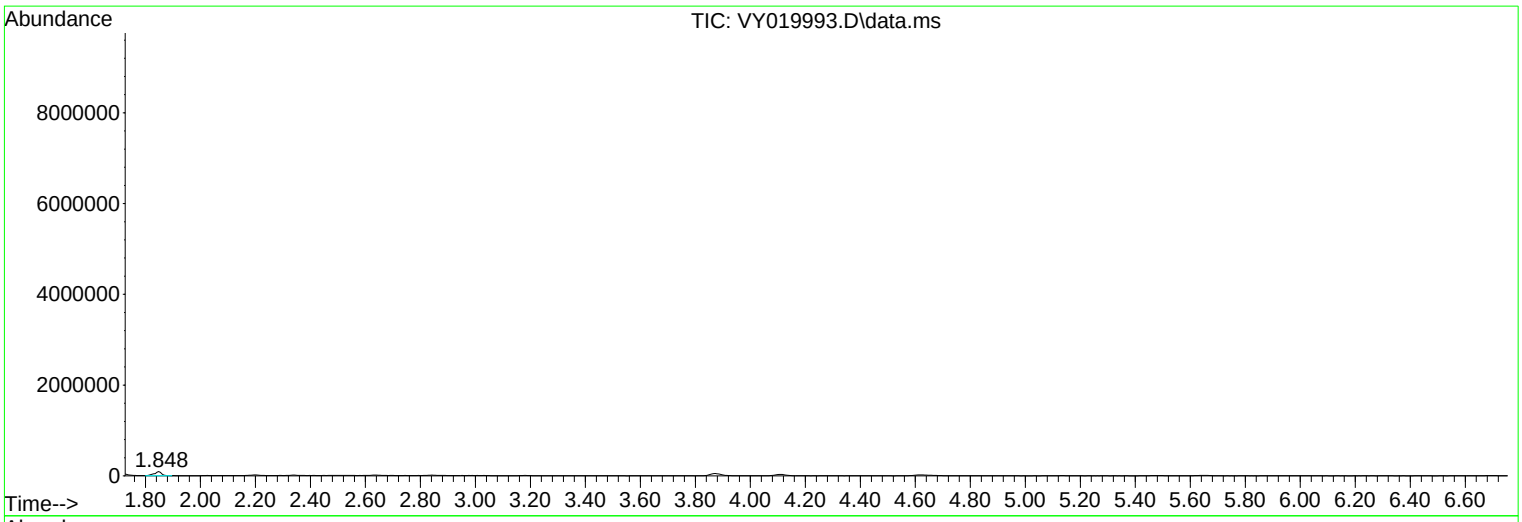
Sample Results: **VY019993.D**

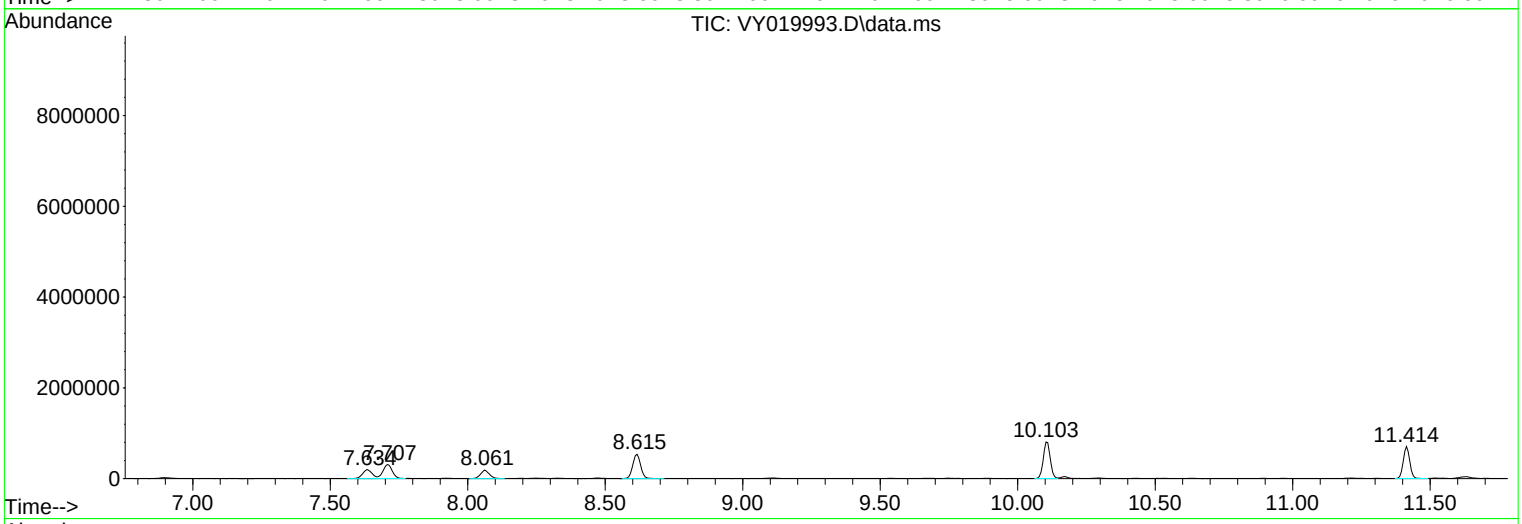
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

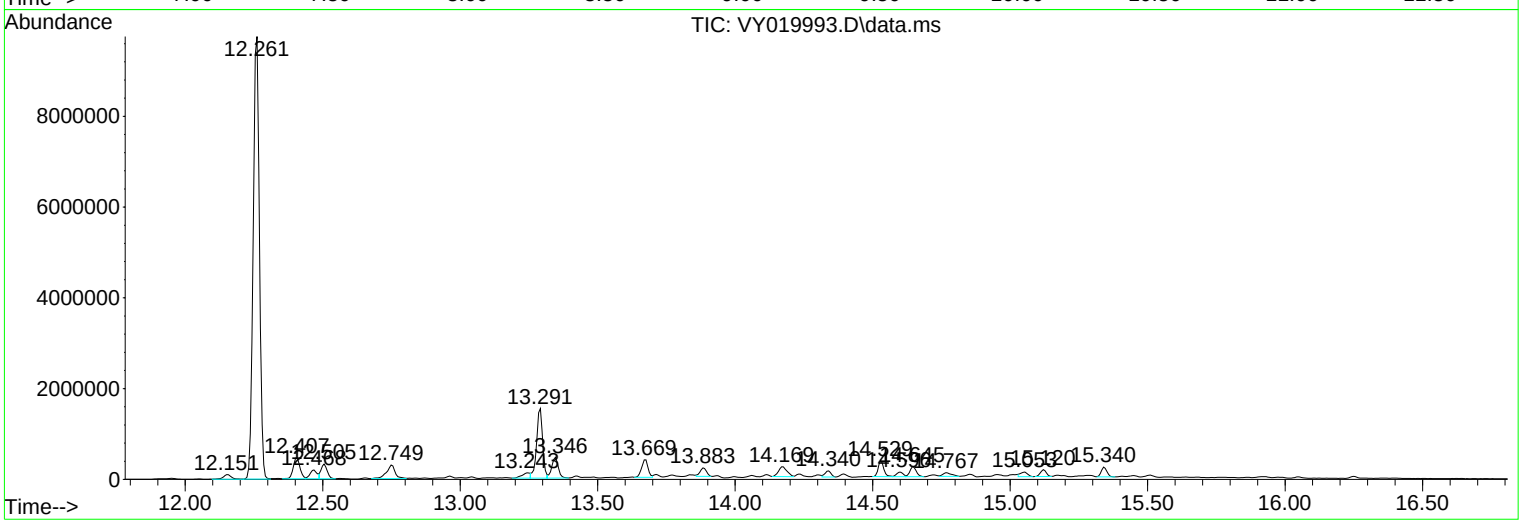
Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

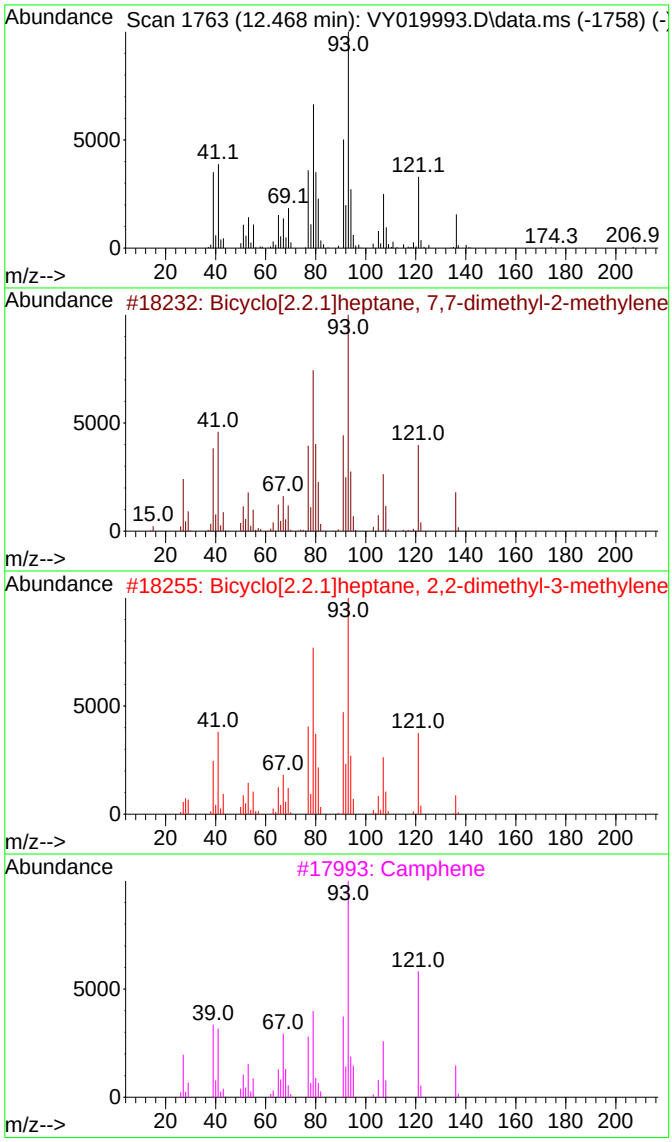
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

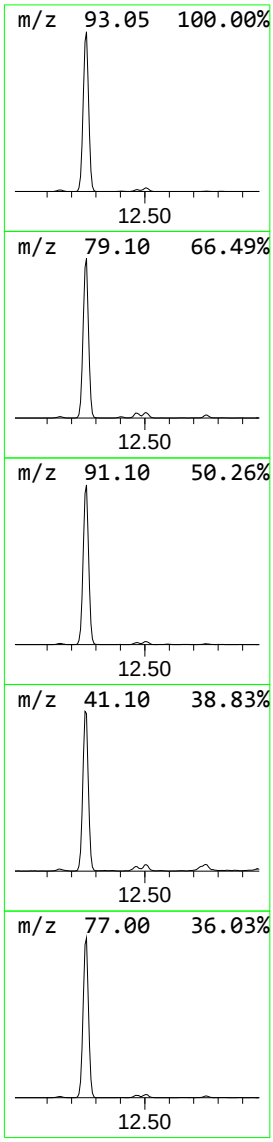
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Bicyclo[2.2.1]heptane, 7,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.468	23.93 ug/l	355476	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 7,7-dimet...	136	C10H16	000471-84-1	98
2	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-03-6	97
3	Camphene	136	C10H16	000079-92-5	86
4	1,3,6-Heptatriene, 2,5,5-trimethyl-	136	C10H16	029548-02-5	64
5	3-Carene	136	C10H16	013466-78-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

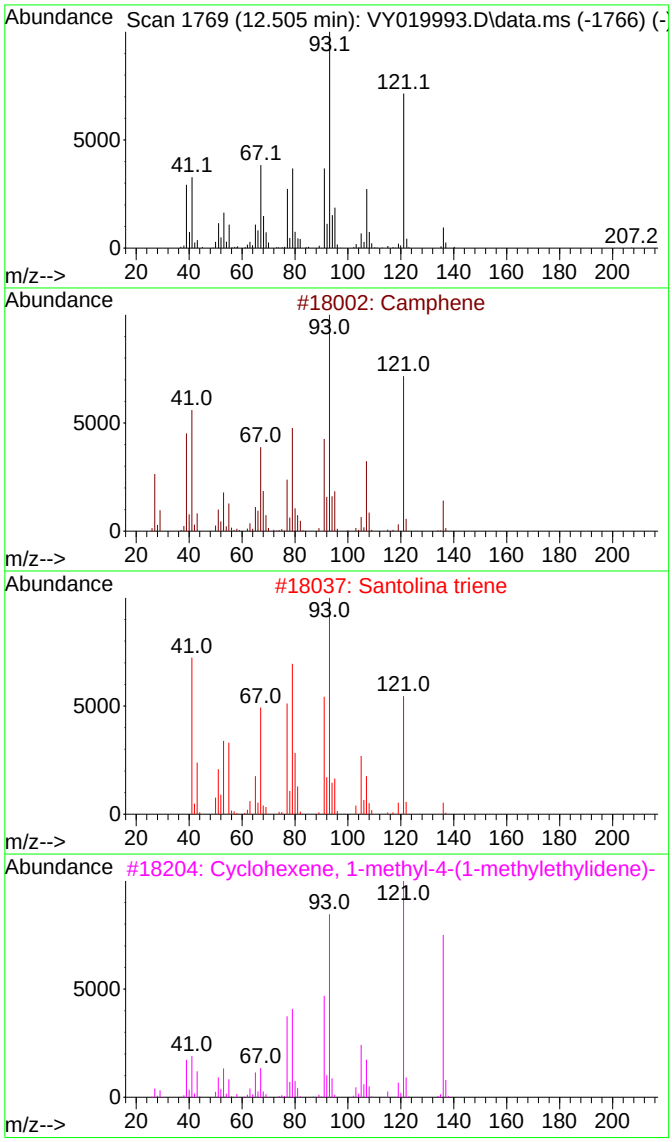
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

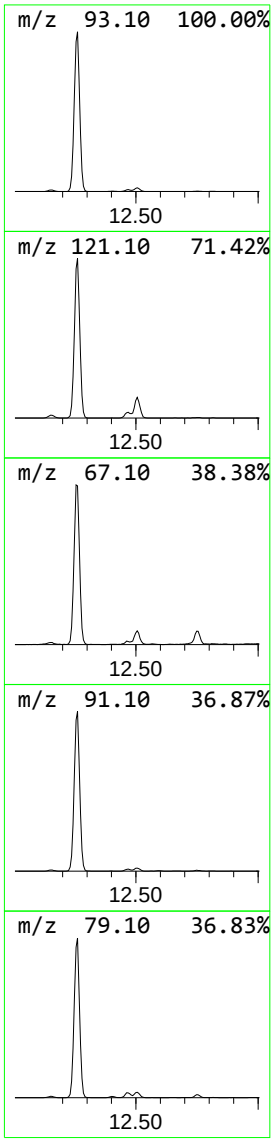
****

Peak Number 2 Camphene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.505	32.41 ug/l	481328	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Camphene	136	C10H16	000079-92-5	87
2	Santolina triene	136	C10H16	002153-66-4	59
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	000586-62-9	58
4	4-Carene, (1S,3S,6R)-(-)-	136	C10H16	005208-50-4	58
5	.beta.-Pinene	136	C10H16	000127-91-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

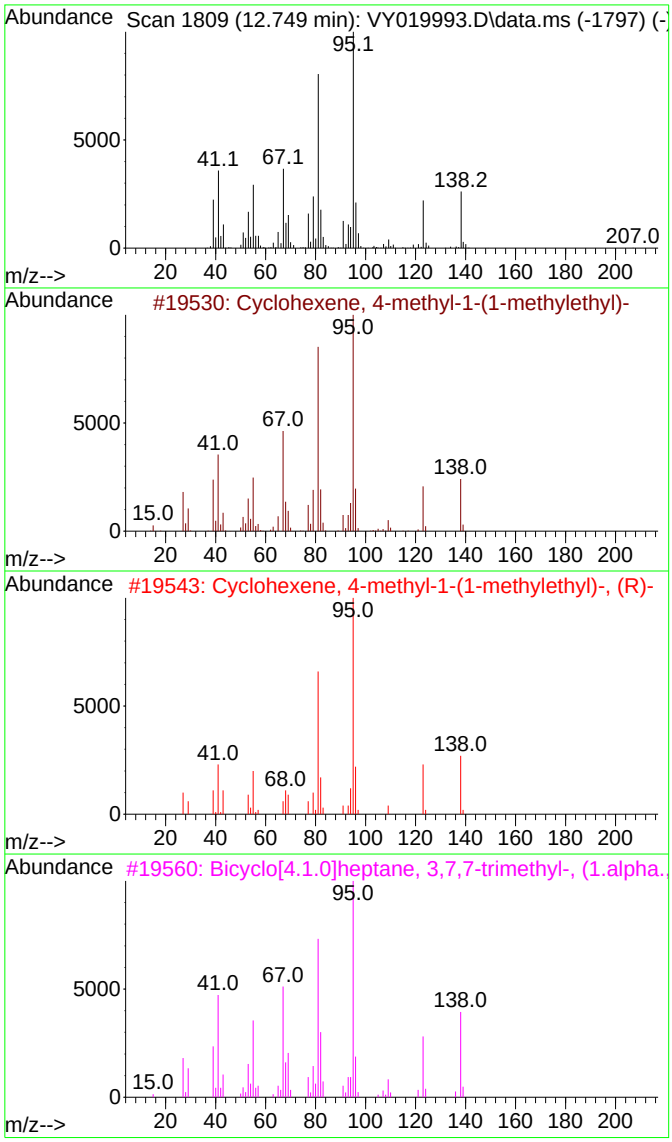
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

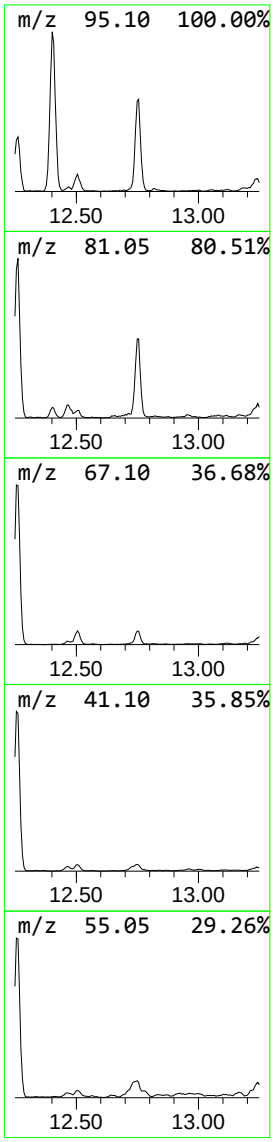
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexene, 4-methyl-1-(1-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.749	44.00 ug/l	653503	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000500-00-5	96
2	Cyclohexene, 4-methyl-1-(1-methy...	138	C10H18	000619-52-3	93
3	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	90
4	Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	000554-59-6	81
5	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

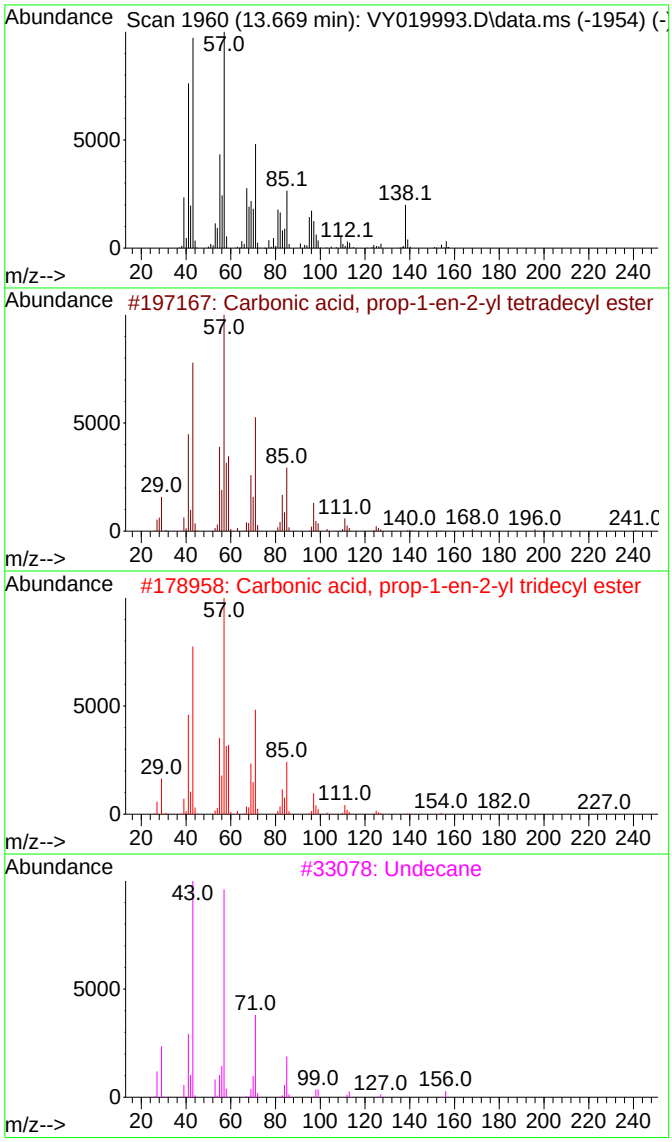
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

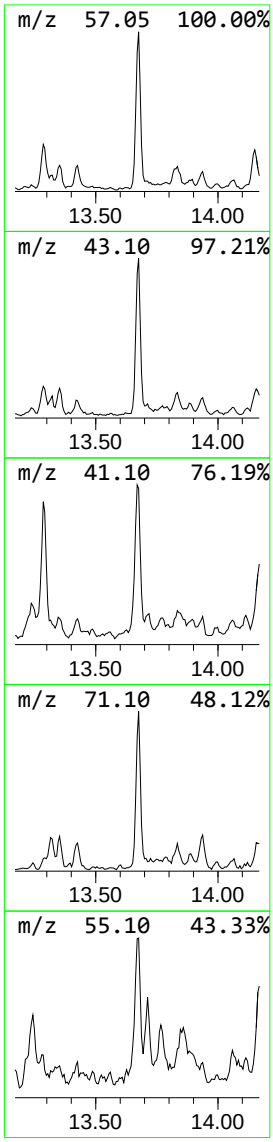
****

Peak Number 4 unknown13.669 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.669	42.75 ug/l	634912	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	46
2	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	46
3	Undecane	156	C11H24	001120-21-4	45
4	Carbonic acid, nonyl prop-1-en-2...	228	C13H24O3	1000382-53-9	43
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

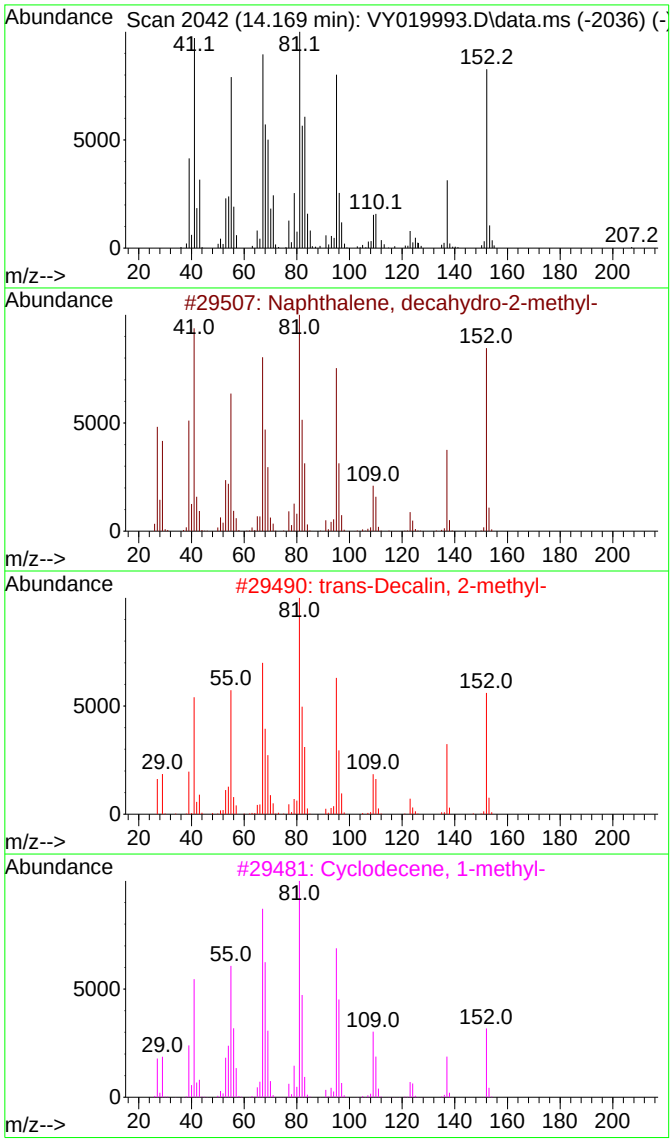
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

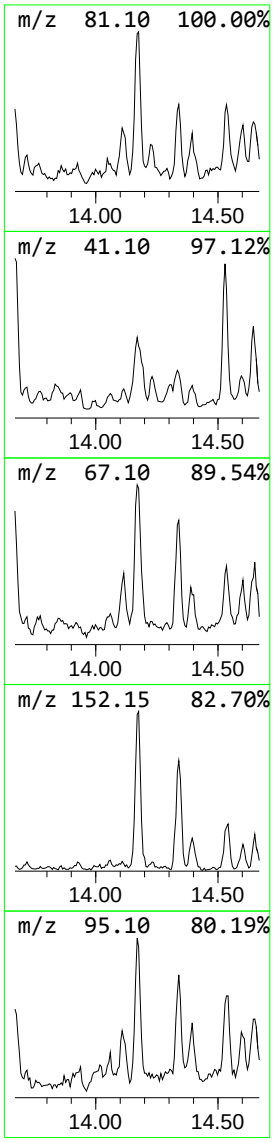
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, decahydro-2-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	31.28 ug/l	464611	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
3	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	83
4	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	70
5	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

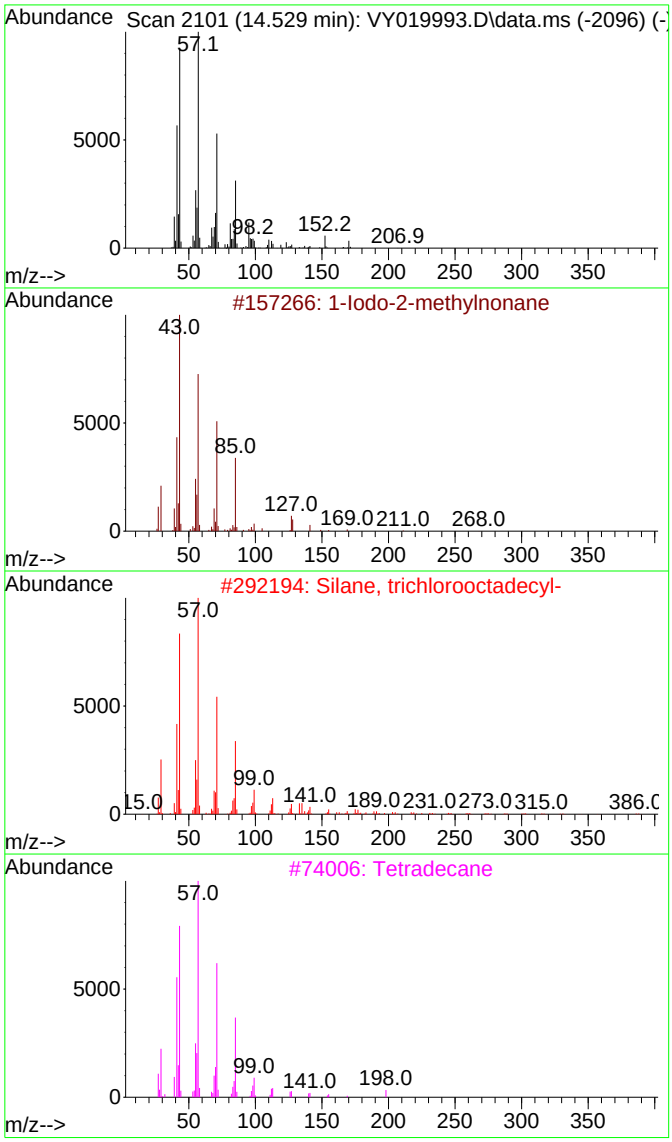
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

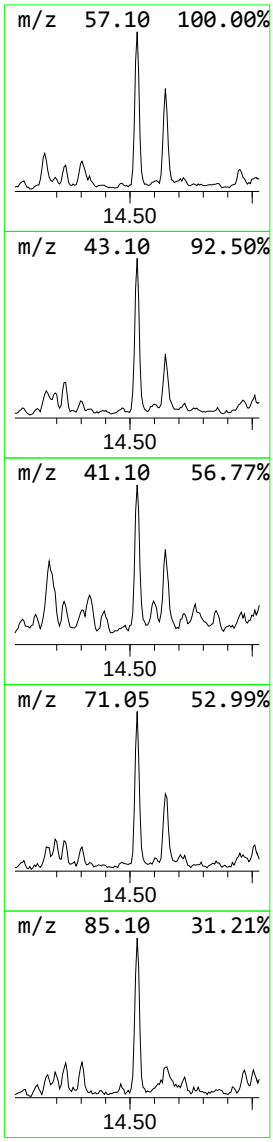
****

Peak Number 7 1-Iodo-2-methylnonane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	33.17 ug/l	492599	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64
2	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	64
3	Tetradecane	198	C14H30	000629-59-4	53
4	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	53
5	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

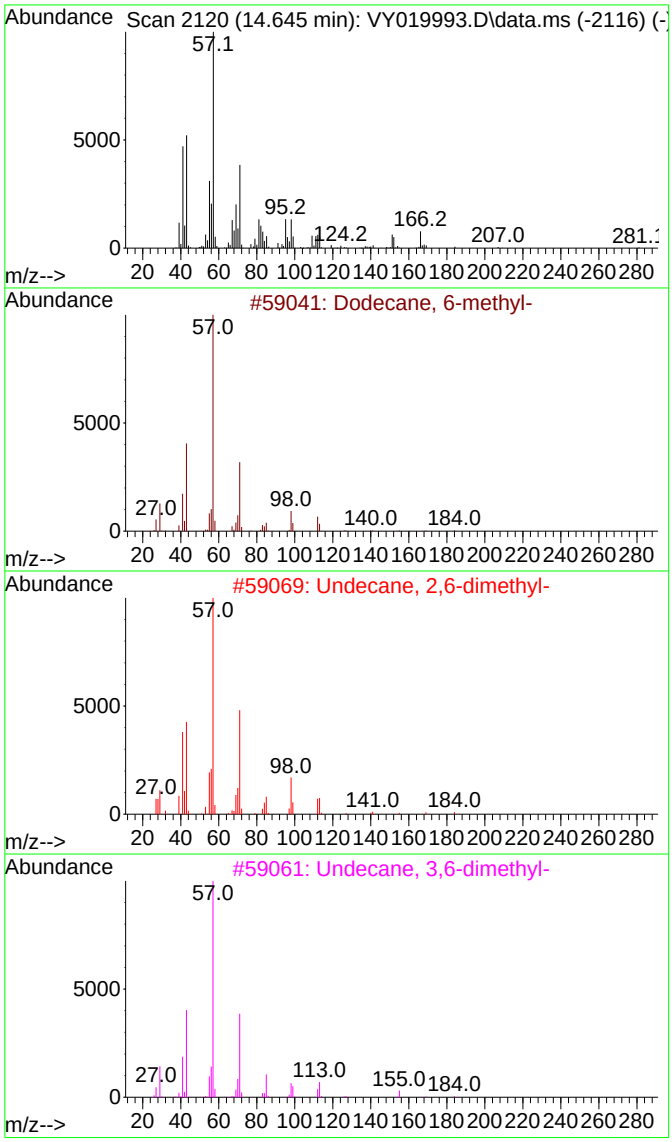
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

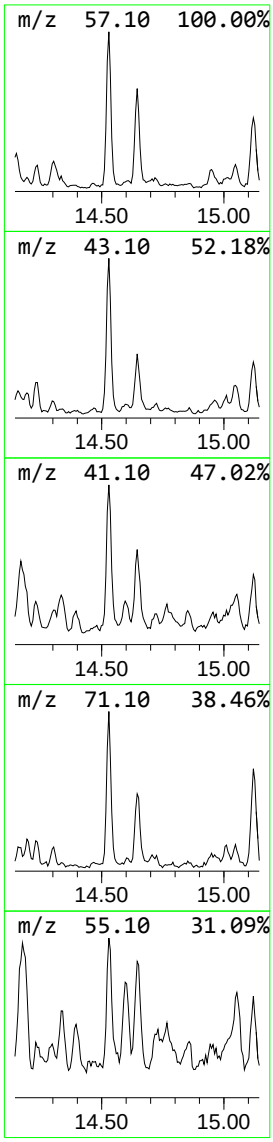
****

Peak Number 8 Dodecane, 6-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	24.28 ug/l	360662	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 6-methyl-	184	C13H28	006044-71-9	91
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	64
4	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	58
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

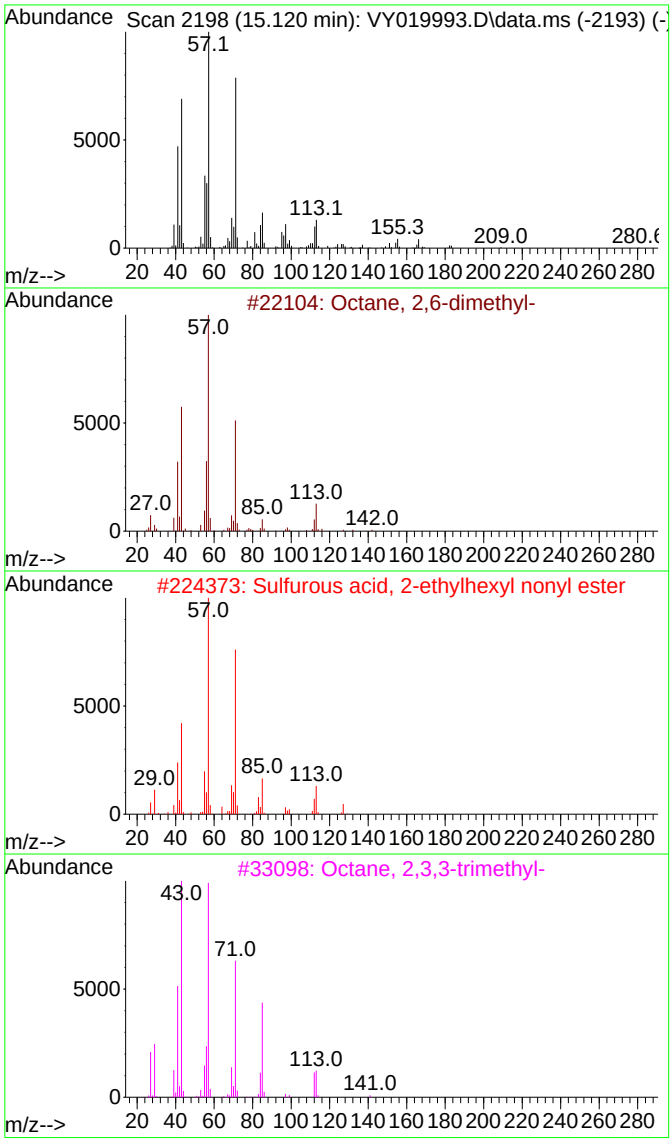
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

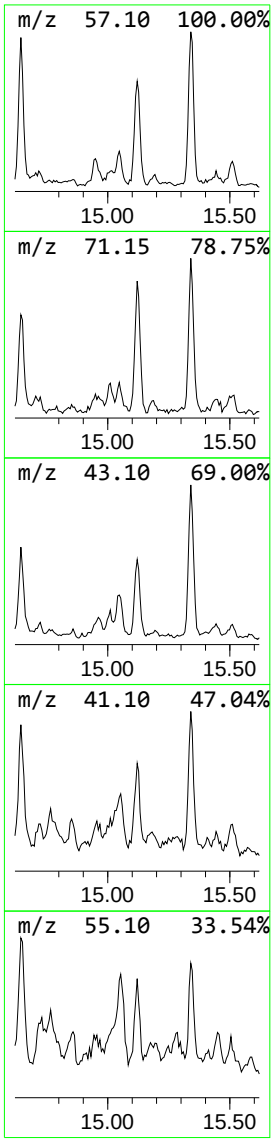
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.120	15.35 ug/l	228026	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
3	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	72
4	Oxalic acid, 2-ethylhexyl nonyl ...	328	C19H36O4	1000309-39-2	64
5	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

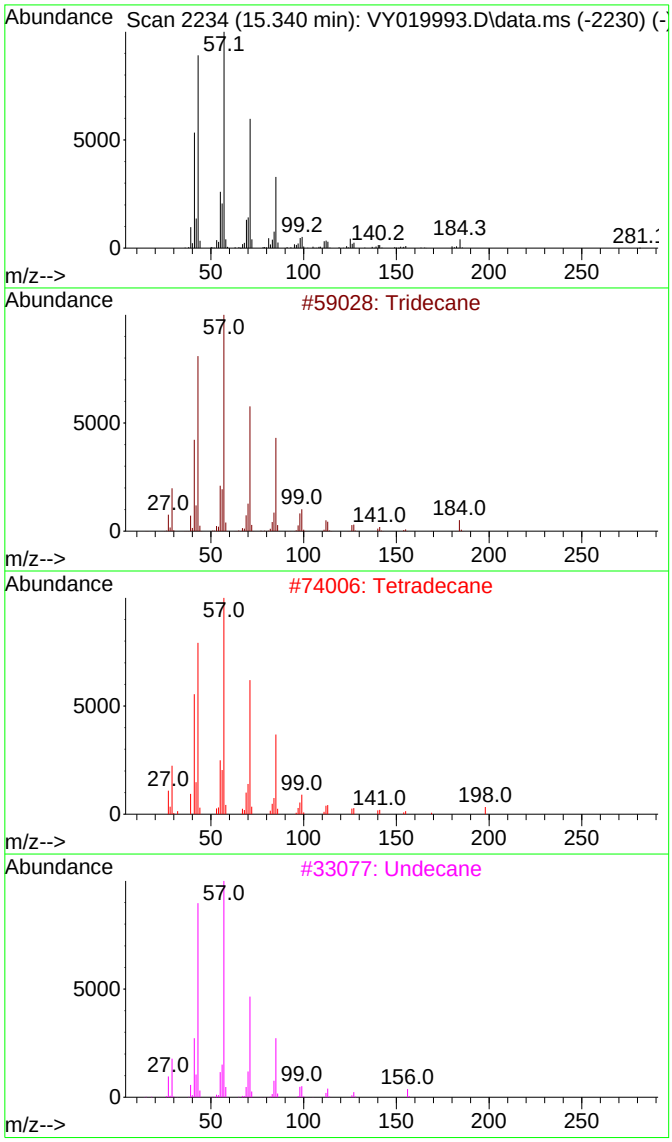
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

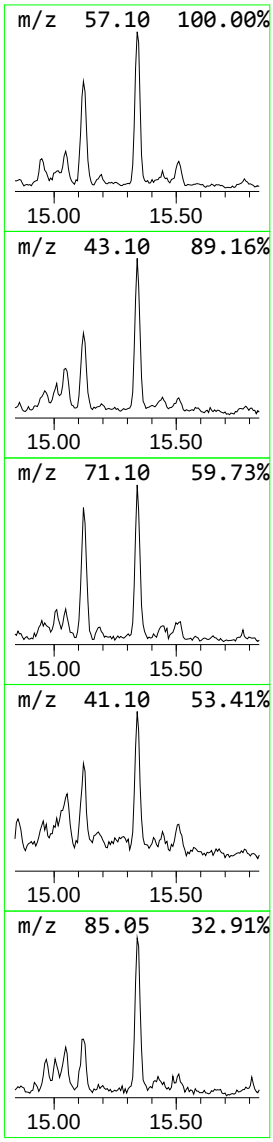
****

Peak Number 10 Tridecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.340	20.57 ug/l	305458	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Tetradecane	198	C14H30	000629-59-4	86
3	Undecane	156	C11H24	001120-21-4	72
4	Hexadecane	226	C16H34	000544-76-3	64
5	Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019993.D
Acq On : 23 Oct 2024 14:45
Operator : SY/MD
Sample : P4471-02
Misc : 3.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-180-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Bicyclo[2.2.1]h...	12.468	23.9	ug/l	355476	4	13.346	742591	50.0
Camphene	12.505	32.4	ug/l	481328	4	13.346	742591	50.0
Cyclohexene, 4-...	12.749	44.0	ug/l	653503	4	13.346	742591	50.0
unknown13.669	13.669	42.8	ug/l	634912	4	13.346	742591	50.0
Naphthalene, de...	14.169	31.3	ug/l	464611	4	13.346	742591	50.0
1-Iodo-2-methyl...	14.529	33.2	ug/l	492599	4	13.346	742591	50.0
Dodecane, 6-met...	14.645	24.3	ug/l	360662	4	13.346	742591	50.0
Octane, 2,6-dim...	15.120	15.4	ug/l	228026	4	13.346	742591	50.0
Tridecane	15.340	20.6	ug/l	305458	4	13.346	742591	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084444.D
Acq On : 21 Oct 2024 18:28
Operator : JC\MD
Sample : P4471-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB100824

Quant Time: Oct 22 01:39:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	283567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	92567	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120791	49.460	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.920%			
35) Dibromofluoromethane	8.165	113	98047	52.447	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.900%			
50) Toluene-d8	10.565	98	344898	50.146	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.300%			
62) 4-Bromofluorobenzene	12.847	95	112552	44.919	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.840%			

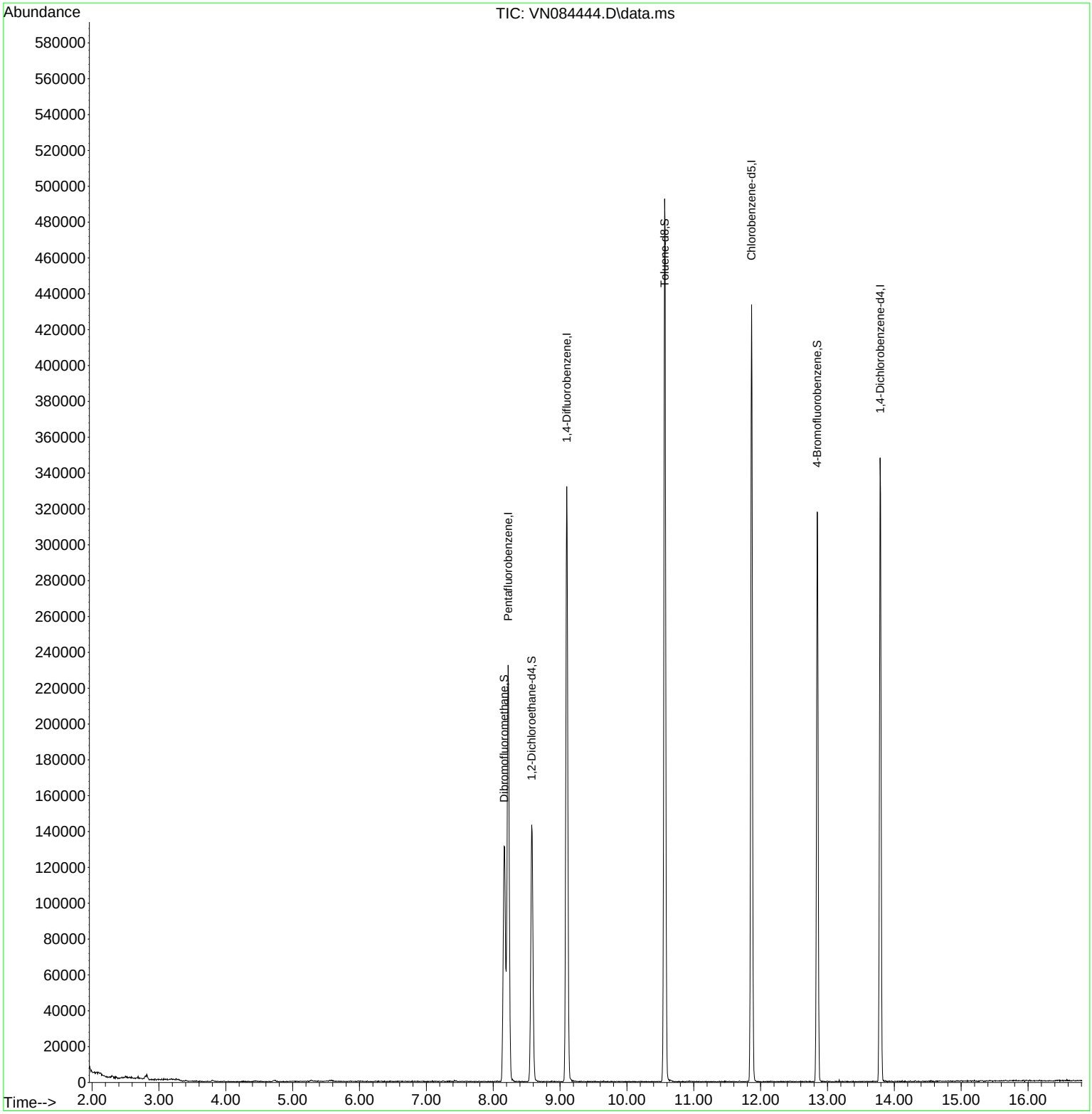
Target Compounds Qvalue

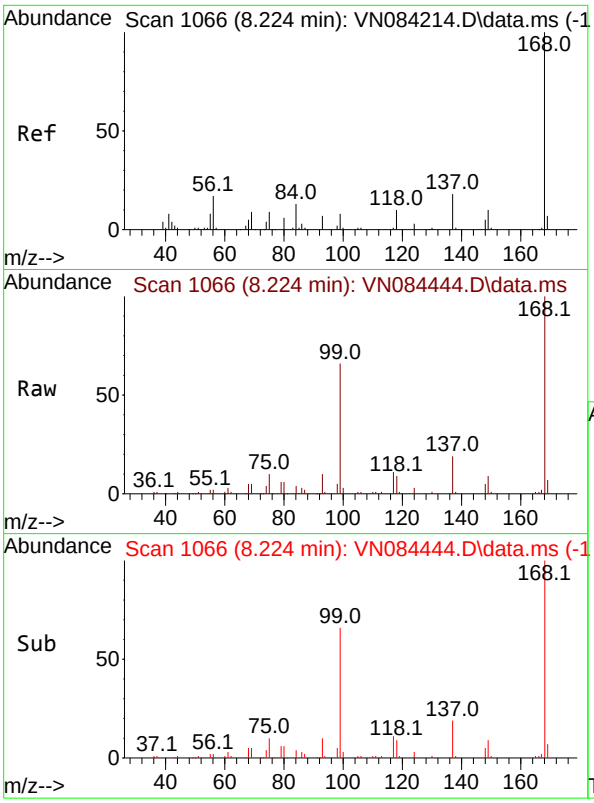
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084444.D
Acq On : 21 Oct 2024 18:28
Operator : JC\MD
Sample : P4471-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB100824

Quant Time: Oct 22 01:39:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



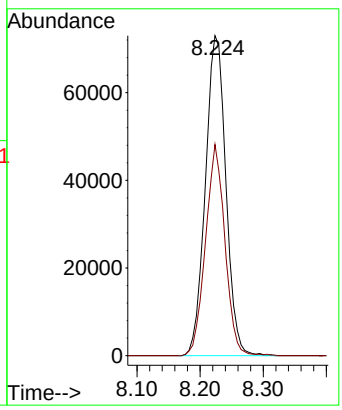


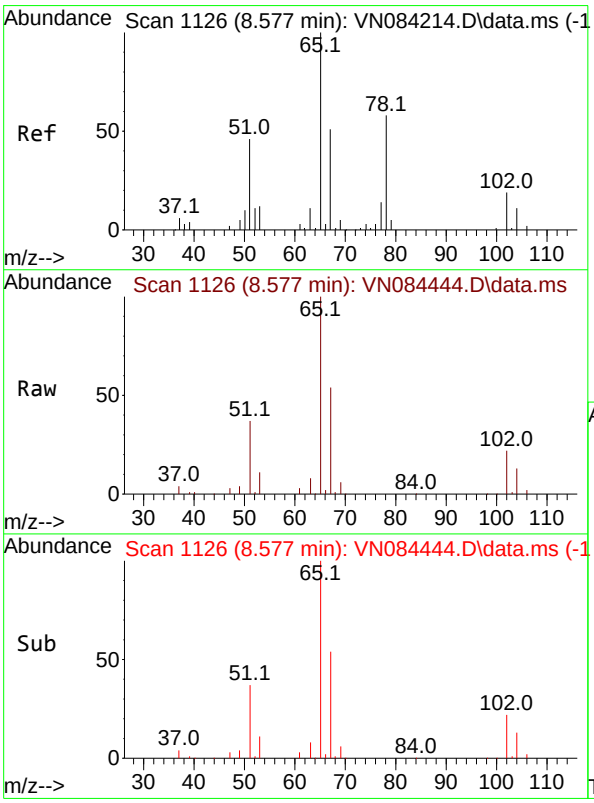
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084444.D
Acq: 21 Oct 2024 18:28

Instrument :
MSVOA_N
ClientSampleId :
TB100824

Tgt Ion:168 Resp: 164715

Ion	Ratio	Lower	Upper
168	100		
99	66.0	54.2	81.2

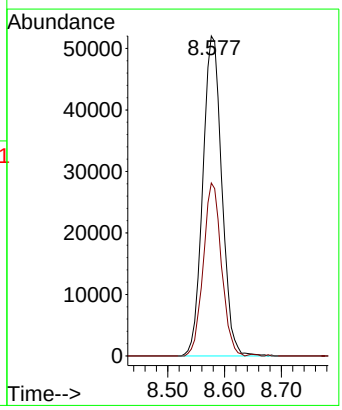


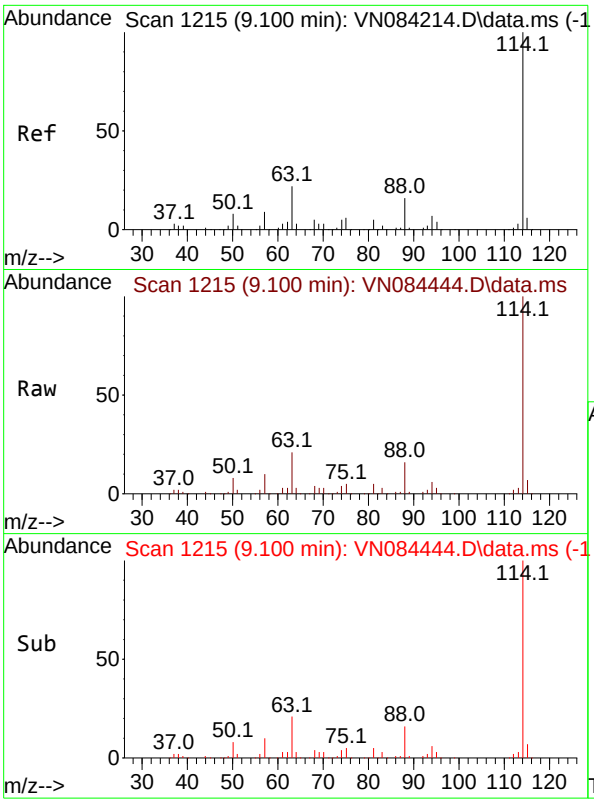


#33
1,2-Dichloroethane-d4
Concen: 49.460 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084444.D
Acq: 21 Oct 2024 18:28

Tgt Ion: 65 Resp: 120791

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.0



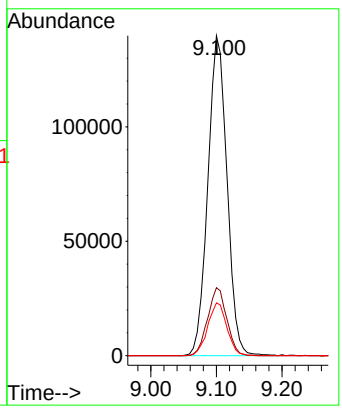


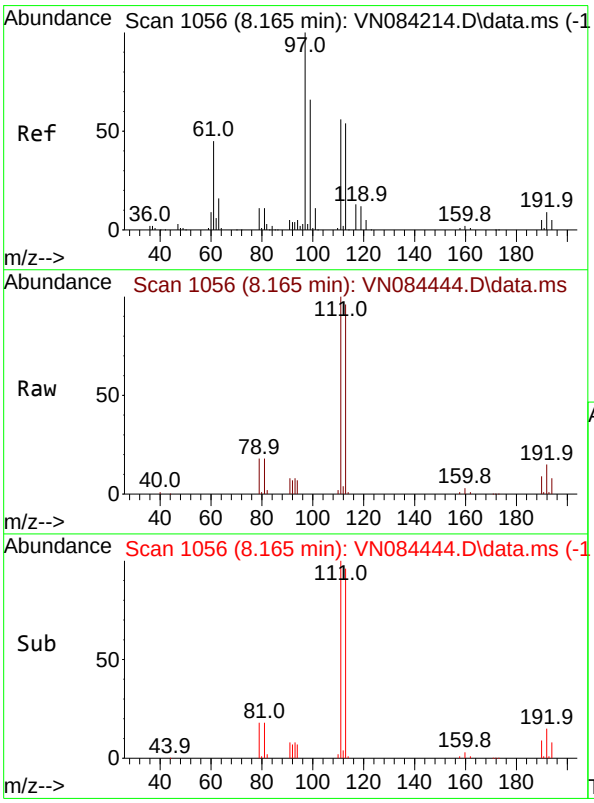
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084444.D
Acq: 21 Oct 2024 18:28

Instrument :
MSVOA_N
ClientSampleId :
TB100824

Tgt Ion:114 Resp: 283567

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.8
88	16.5	0.0	31.6

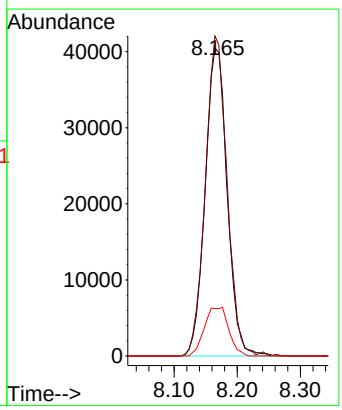




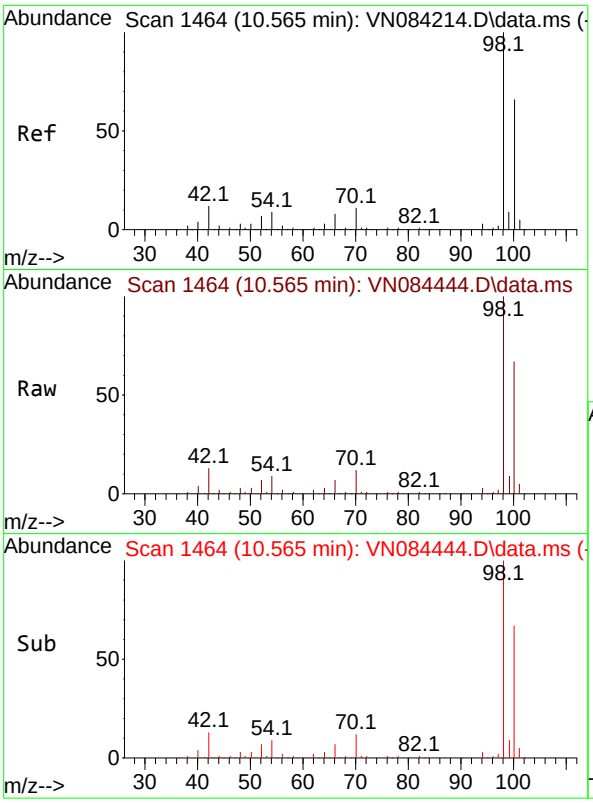
#35
Dibromofluoromethane
Concen: 52.447 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084444.D
Acq: 21 Oct 2024 18:28

Tgt Ion:113 Resp: 98047

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.3	124.9
192	17.4	13.5	20.3



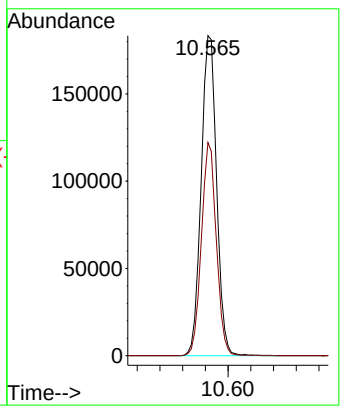
Instrument :
MSVOA_N
ClientSampleId :
TB100824

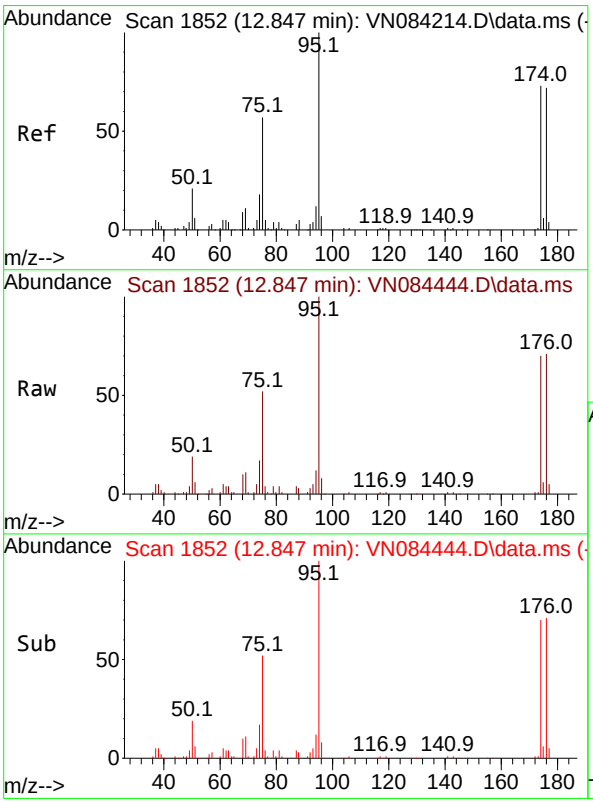


#50
Toluene-d8
Concen: 50.146 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084444.D
Acq: 21 Oct 2024 18:28

Tgt Ion: 98 Resp: 344898

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.7	79.1

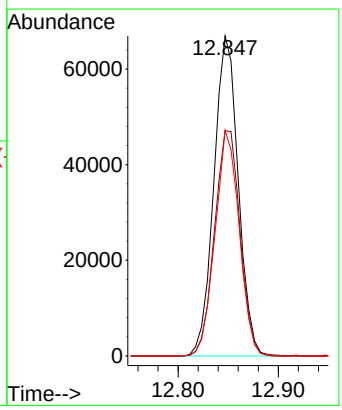


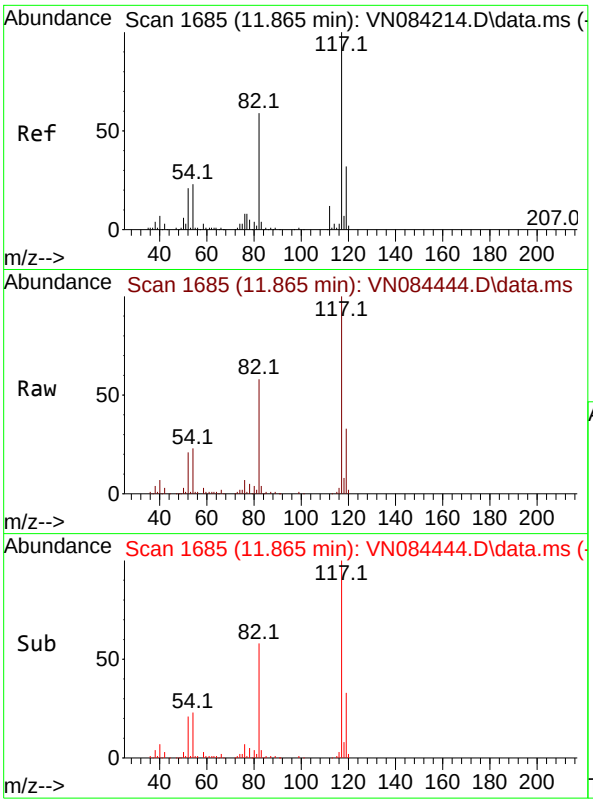


#62
4-Bromofluorobenzene
Concen: 44.919 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084444.D
Acq: 21 Oct 2024 18:28

Tgt Ion: 95 Resp: 112552

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	145.2
176	70.0	0.0	140.0



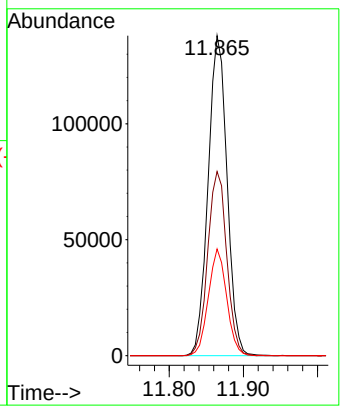


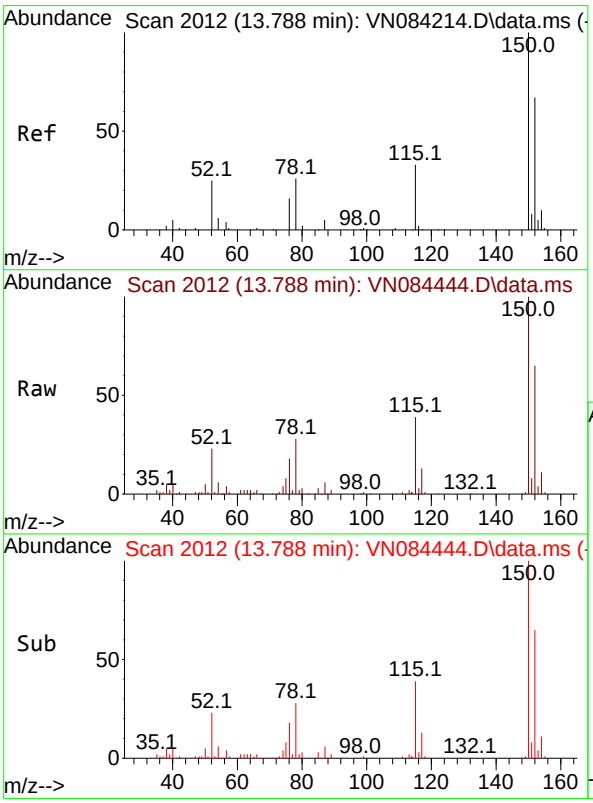
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084444.D
Acq: 21 Oct 2024 18:28

Instrument :
MSVOA_N
ClientSampleId :
TB100824

Tgt Ion:117 Resp: 244917

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.2	70.8
119	33.3	25.4	38.0

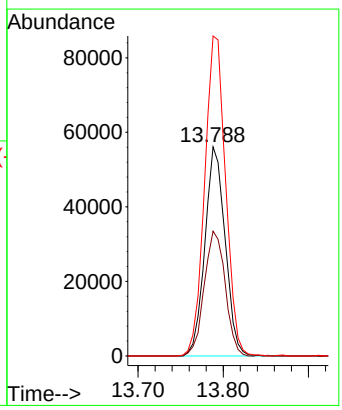




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084444.D
Acq: 21 Oct 2024 18:28

Tgt Ion:152 Resp: 92567

Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.3	93.9
150	158.2	0.0	349.8



Sample Results: **VN084444.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084444.D
Acq On : 21 Oct 2024 18:28
Operator : JC\MD
Sample : P4471-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB100824

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\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084444.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.165	1047	1056	1061	rBV2	131297	324752	35.60%	7.036%
2	8.224	1061	1066	1076	rVB	231782	503367	55.17%	10.906%
3	8.577	1115	1126	1141	rBV	143424	328999	36.06%	7.128%
4	9.100	1205	1215	1228	rBV	332344	676827	74.19%	14.664%
5	10.565	1453	1464	1476	rBV	492702	912320	100.00%	19.766%
6	11.865	1676	1685	1695	rBV	433585	759689	83.27%	16.459%
7	12.847	1844	1852	1863	rVB	318112	532017	58.31%	11.527%
8	13.788	2005	2012	2020	rBV	348140	577611	63.31%	12.514%

Sum of corrected areas: 4615582

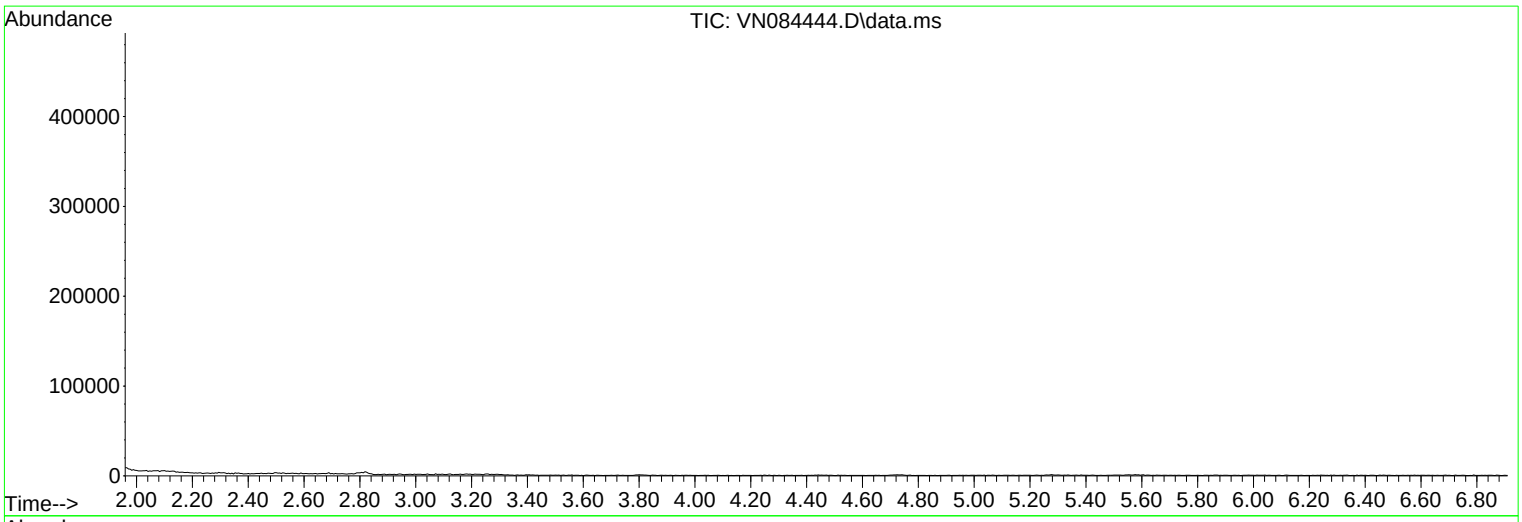
Sample Results: **VN084444.D**

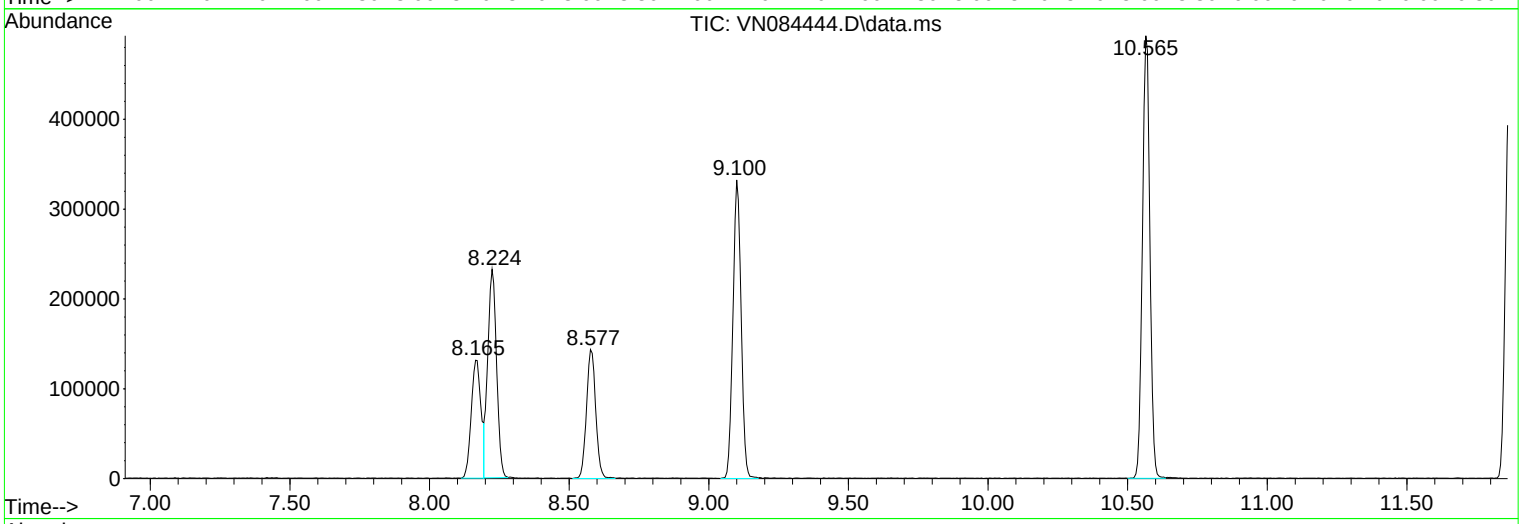
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084444.D
Acq On : 21 Oct 2024 18:28
Operator : JC\MD
Sample : P4471-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

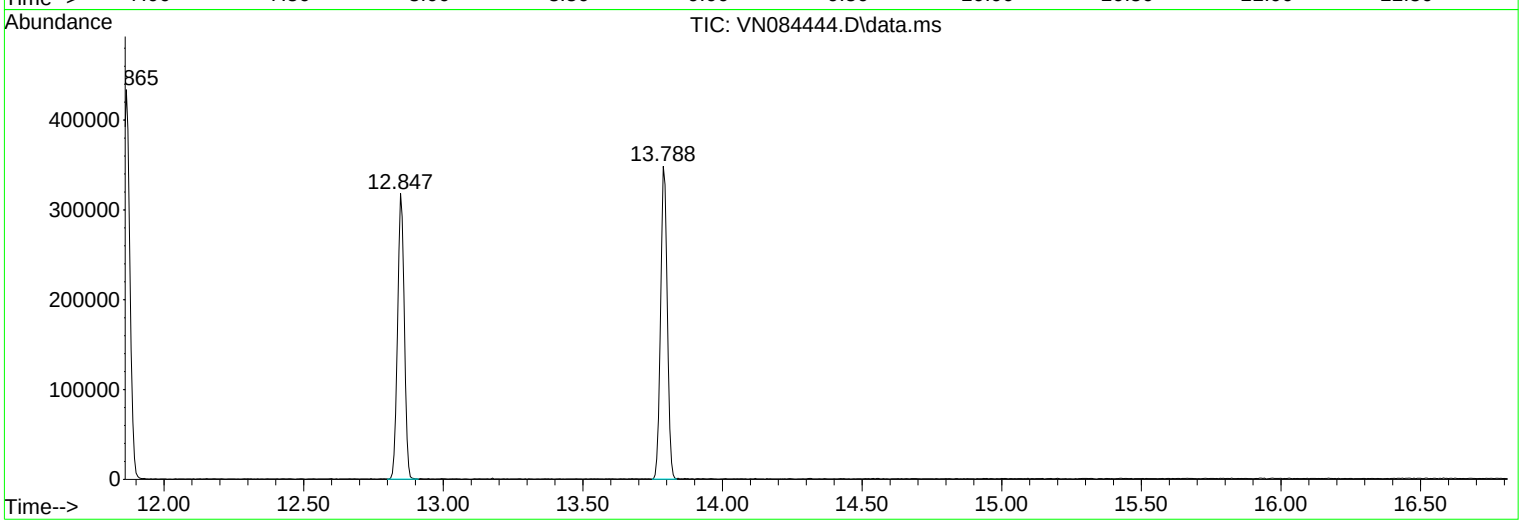
Instrument :
MSVOA_N
ClientSampleId :
TB100824

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084444.D
Acq On : 21 Oct 2024 18:28
Operator : JC\MD
Sample : P4471-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB100824

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.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\VN102124\
Data File : VN084444.D
Acq On : 21 Oct 2024 18:28
Operator : JC\MD
Sample : P4471-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB100824

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.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\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Time: Oct 22 01:31:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

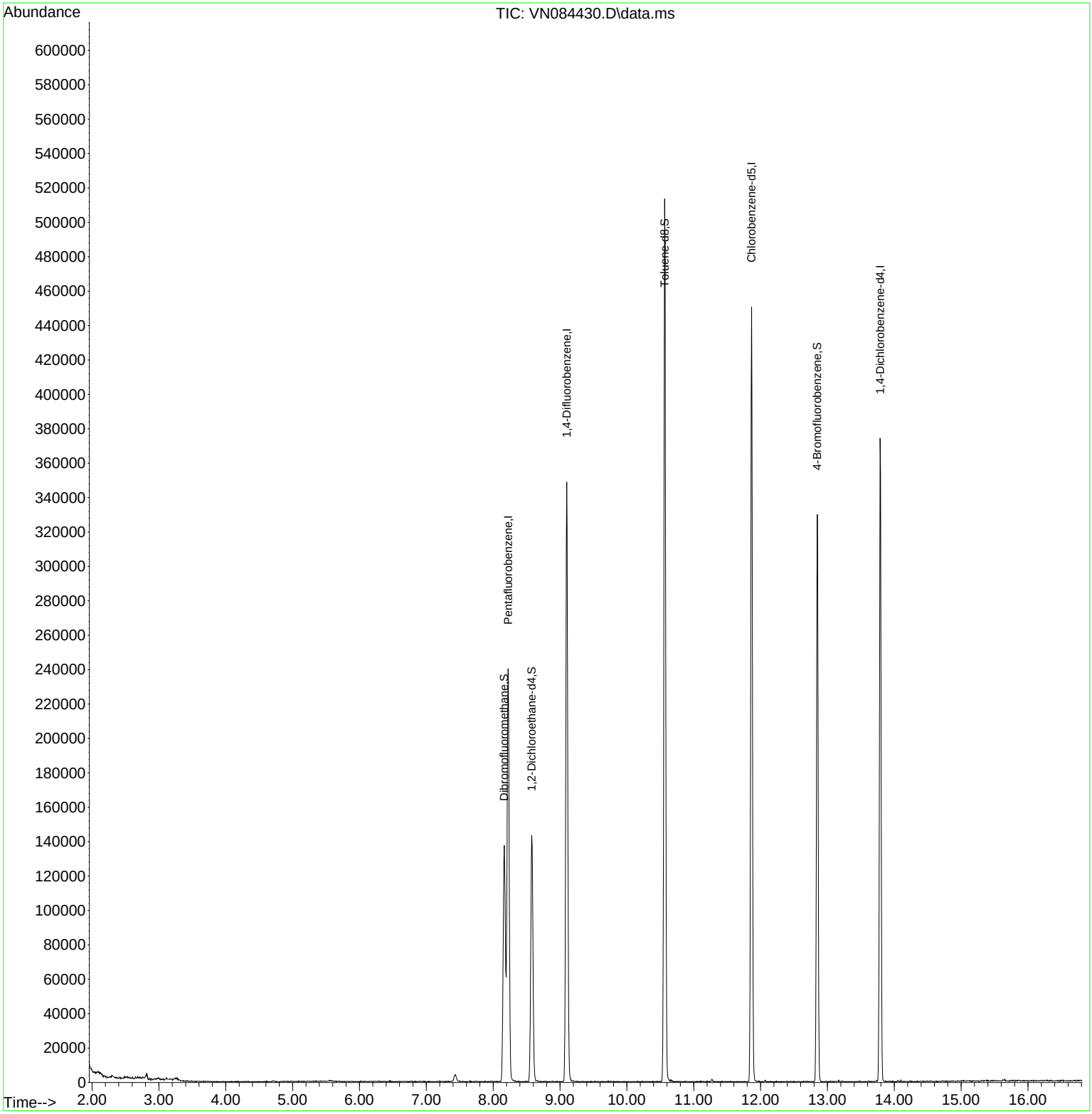
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	167468	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	295479	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	99954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120667	48.597	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.200%			
35) Dibromofluoromethane	8.165	113	99495	51.076	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.160%			
50) Toluene-d8	10.565	98	349958	48.830	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.660%			
62) 4-Bromofluorobenzene	12.847	95	116683	44.690	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.380%			
Target Compounds						Qvalue

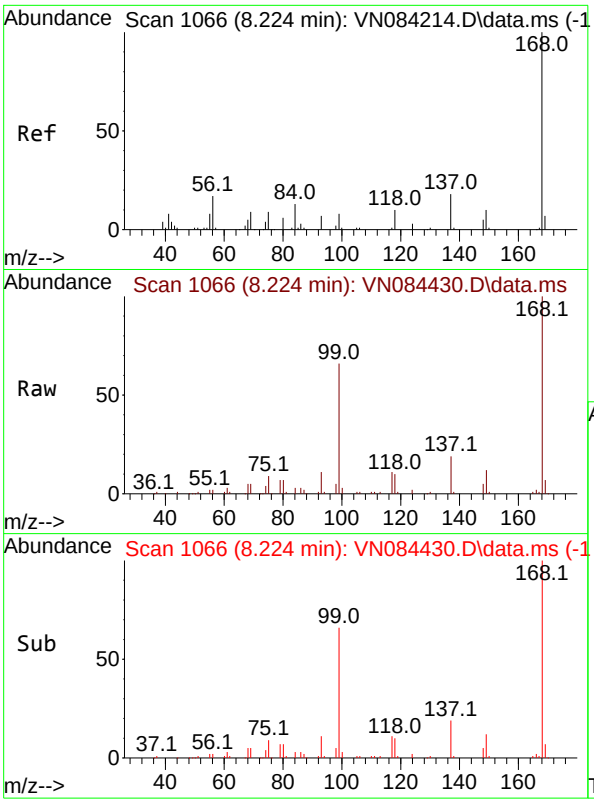
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Time: Oct 22 01:31:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



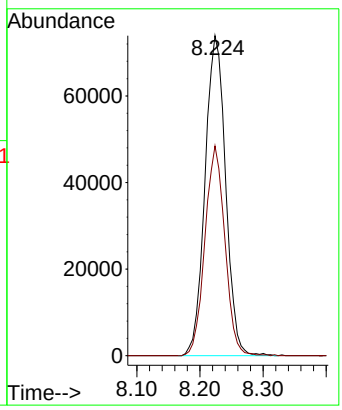


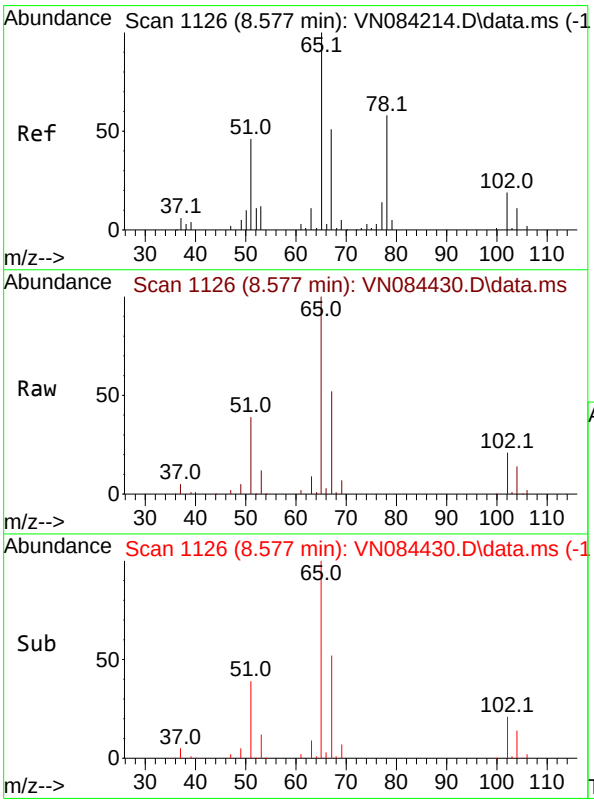
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion:168 Resp: 167468

Ion	Ratio	Lower	Upper
168	100		
99	65.6	54.2	81.2

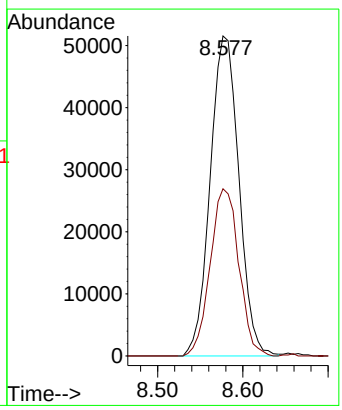


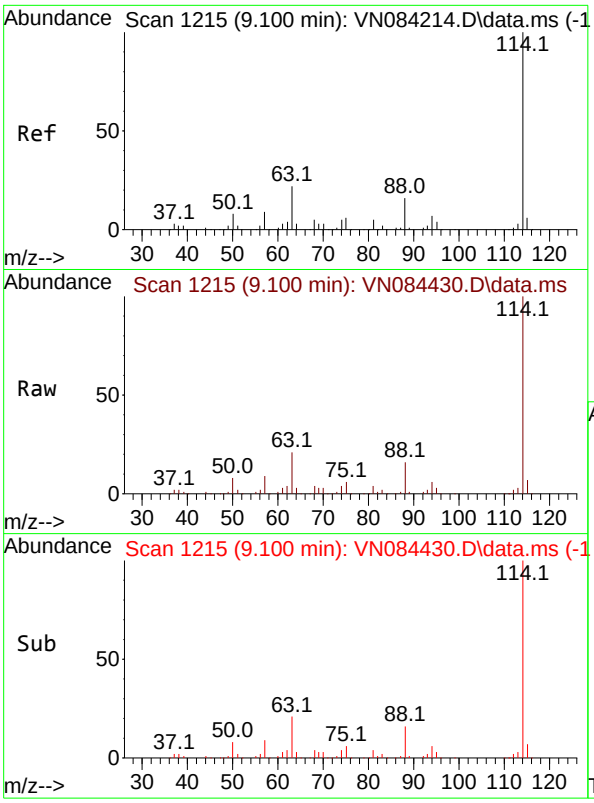


#33
1,2-Dichloroethane-d4
Concen: 48.597 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion: 65 Resp: 120667

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0



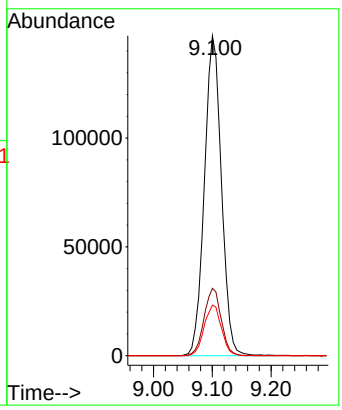


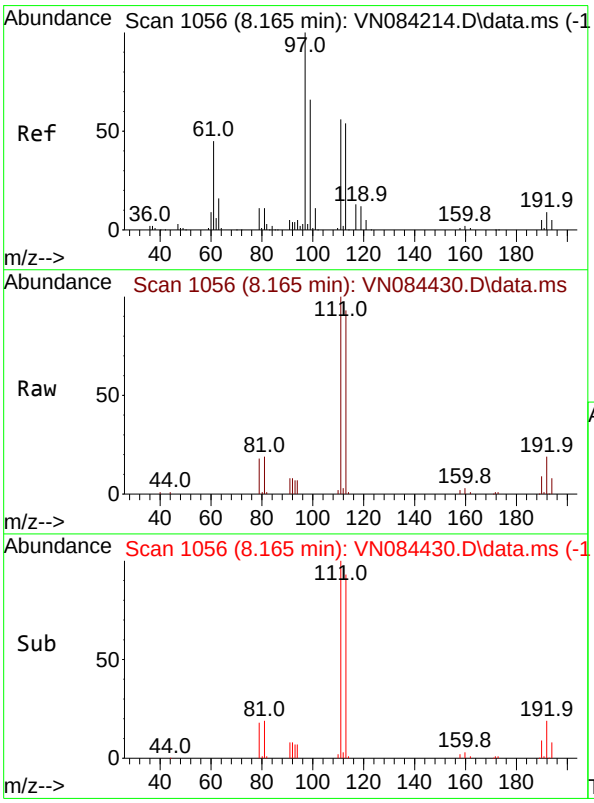
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion:114 Resp: 295479

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	15.8	0.0	31.6

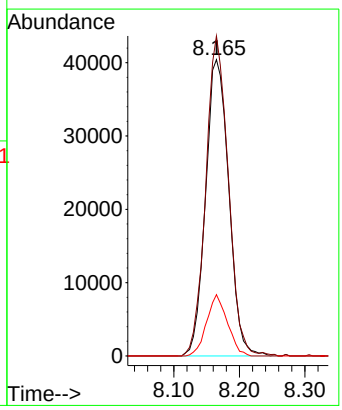


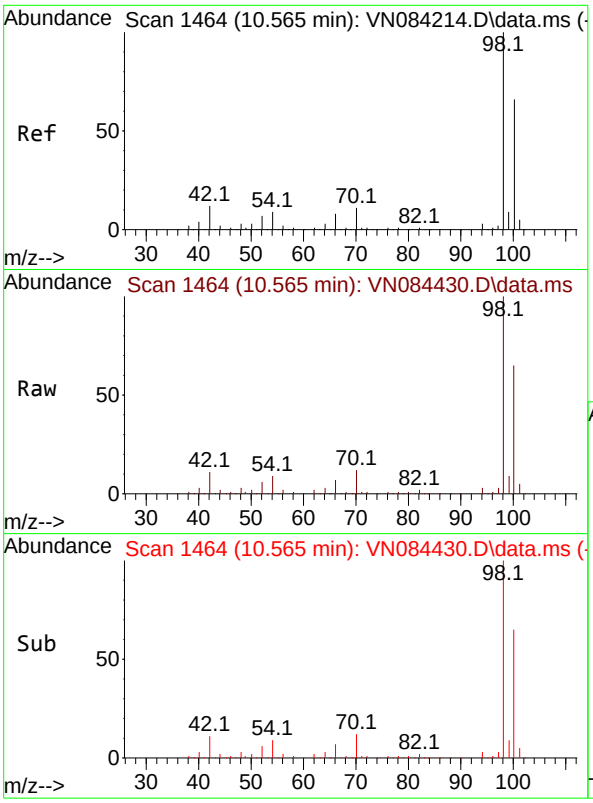


#35
Dibromofluoromethane
Concen: 51.076 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion:113 Resp: 99495

Ion	Ratio	Lower	Upper
113	100		
111	104.6	83.3	124.9
192	18.5	13.5	20.3



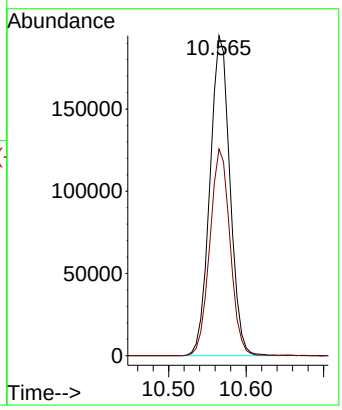


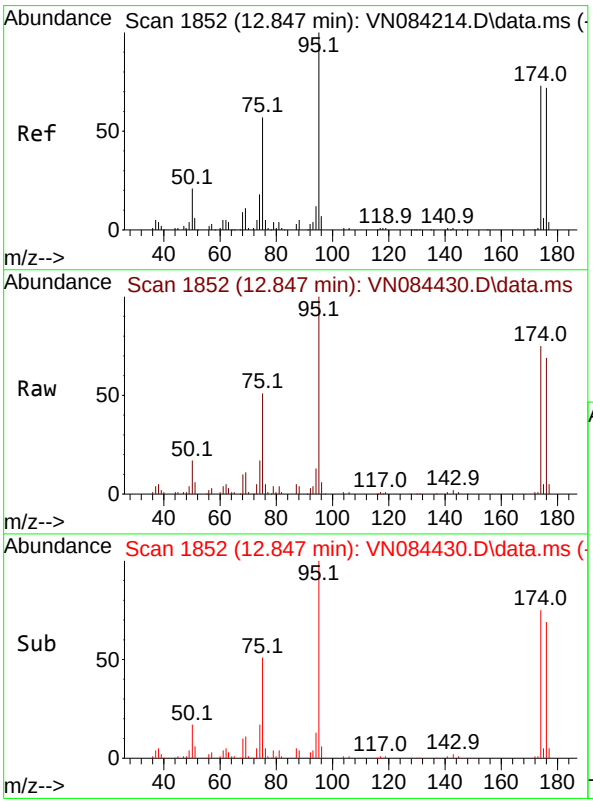
#50
Toluene-d8
Concen: 48.830 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion: 98 Resp: 349958

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

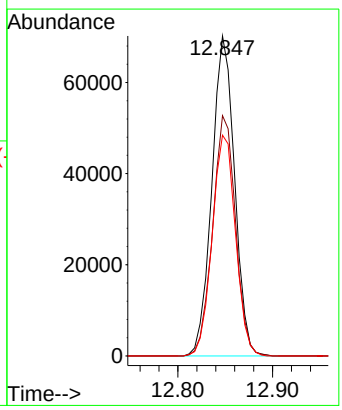


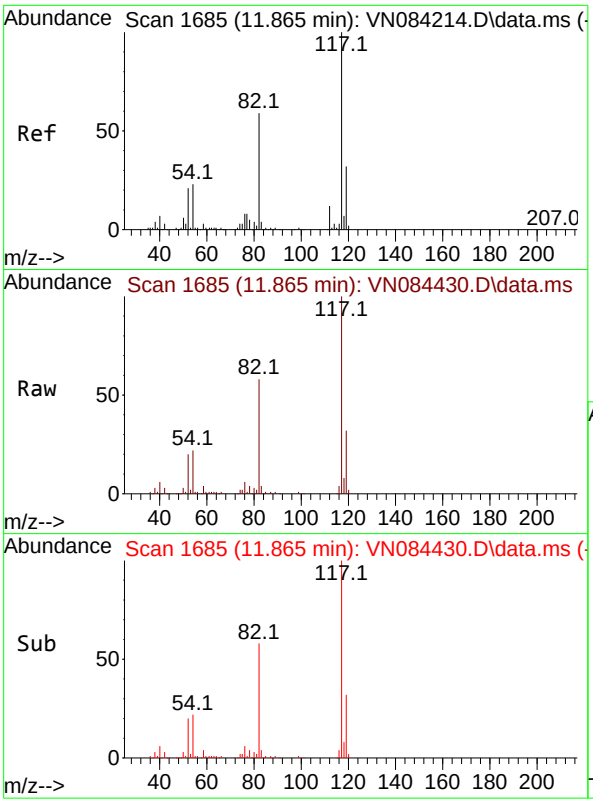


#62
4-Bromofluorobenzene
Concen: 44.690 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion: 95 Resp: 116683

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	145.2
176	71.0	0.0	140.0



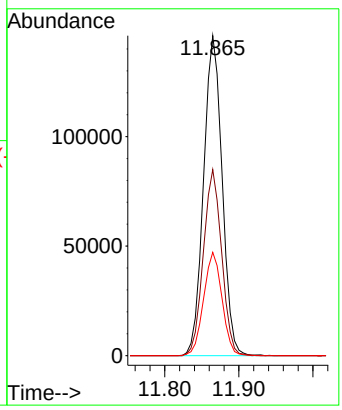


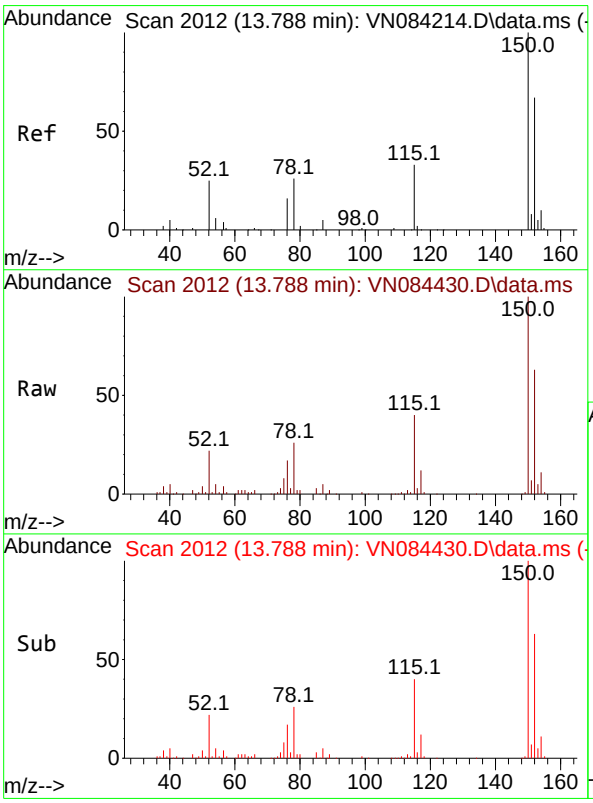
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Tgt Ion:117 Resp: 254088

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.2	70.8
119	32.3	25.4	38.0

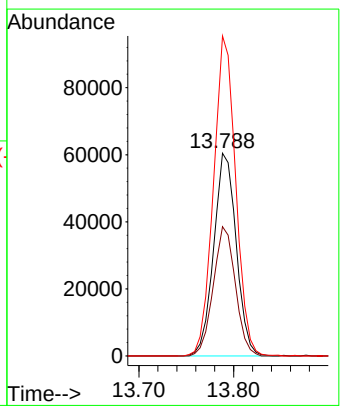




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084430.D
Acq: 21 Oct 2024 12:36

Tgt Ion:152 Resp: 99954

Ion	Ratio	Lower	Upper
152	100		
115	62.6	31.3	93.9
150	155.5	0.0	349.8



Sample Results: **VN084430.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

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\82N093024W.M
Title : SW846 8260

Signal : TIC: VN084430.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.436	922	932	942	rBV2	4108	10909	1.18%	0.228%
2	8.165	1047	1056	1061	rBV	137448	335323	36.14%	7.019%
3	8.224	1061	1066	1078	rVB	239504	517962	55.83%	10.843%
4	8.577	1118	1126	1137	rBV	143101	329717	35.54%	6.902%
5	9.100	1206	1215	1227	rBV	348480	696007	75.02%	14.570%
6	10.565	1456	1464	1477	rBV	513172	927809	100.00%	19.422%
7	11.865	1677	1685	1700	rVB	450419	783202	84.41%	16.395%
8	12.847	1845	1852	1864	rVB	330020	559221	60.27%	11.706%
9	13.788	2005	2012	2023	rBV	373902	616926	66.49%	12.914%

Sum of corrected areas: 4777076

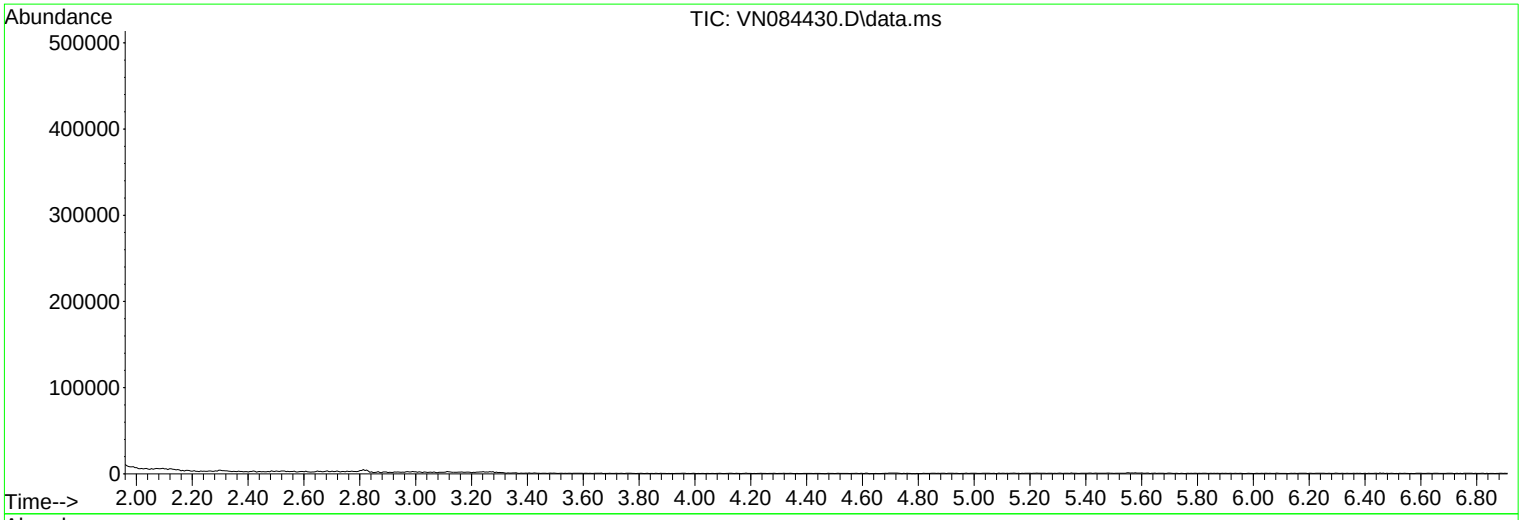
Sample Results: **VN084430.D**

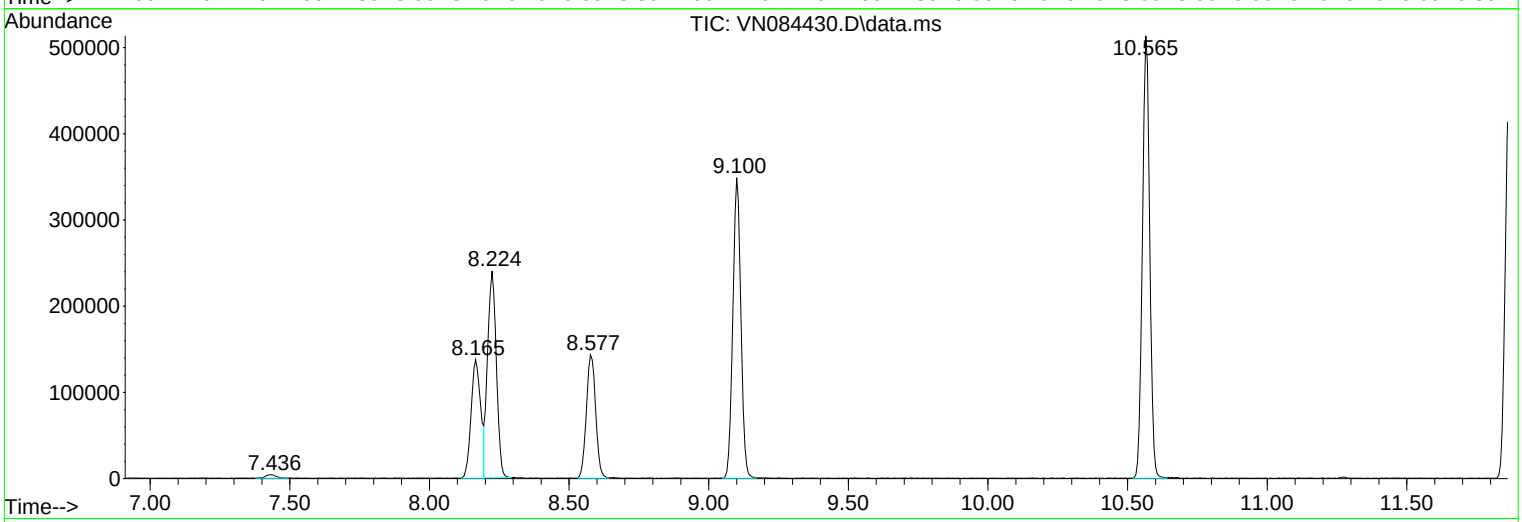
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

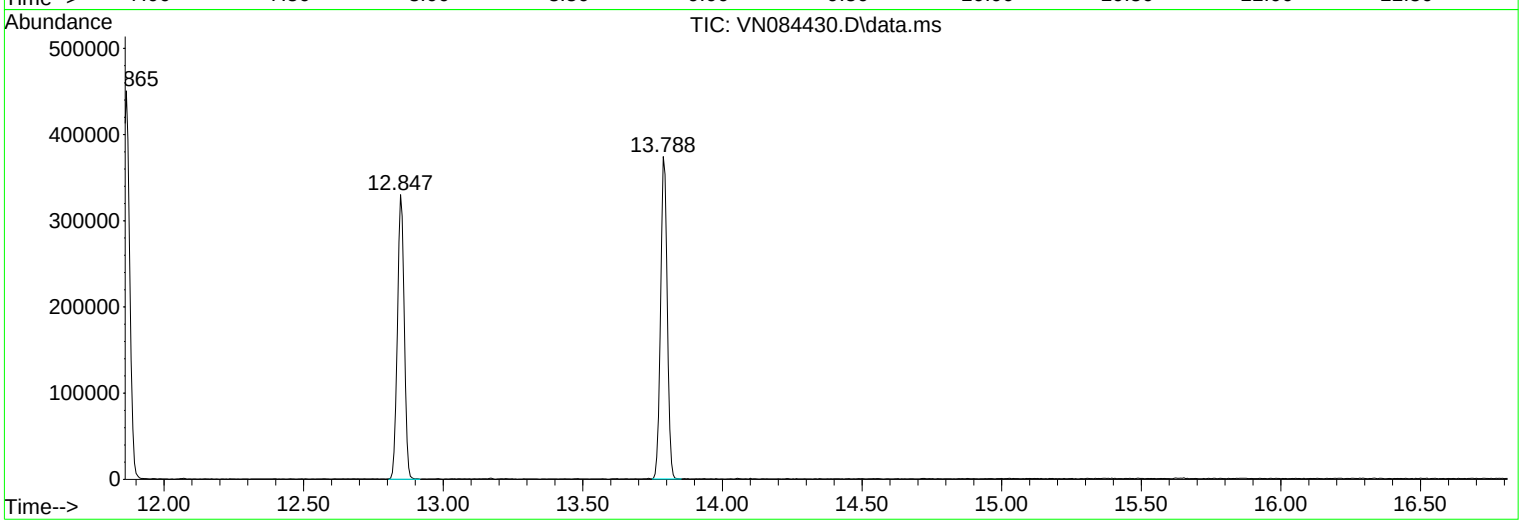
Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.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\VN102124\
Data File : VN084430.D
Acq On : 21 Oct 2024 12:36
Operator : JC\MD
Sample : VN1021WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.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_Y\Data\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Time: Oct 23 01:24:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	219150	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	450425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	395647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	132931	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150698	55.848	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.700%			
35) Dibromofluoromethane	7.634	113	145305	48.886	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.780%			
50) Toluene-d8	10.109	98	554994	50.563	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.120%			
62) 4-Bromofluorobenzene	12.408	95	159930	40.325	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 80.640%			

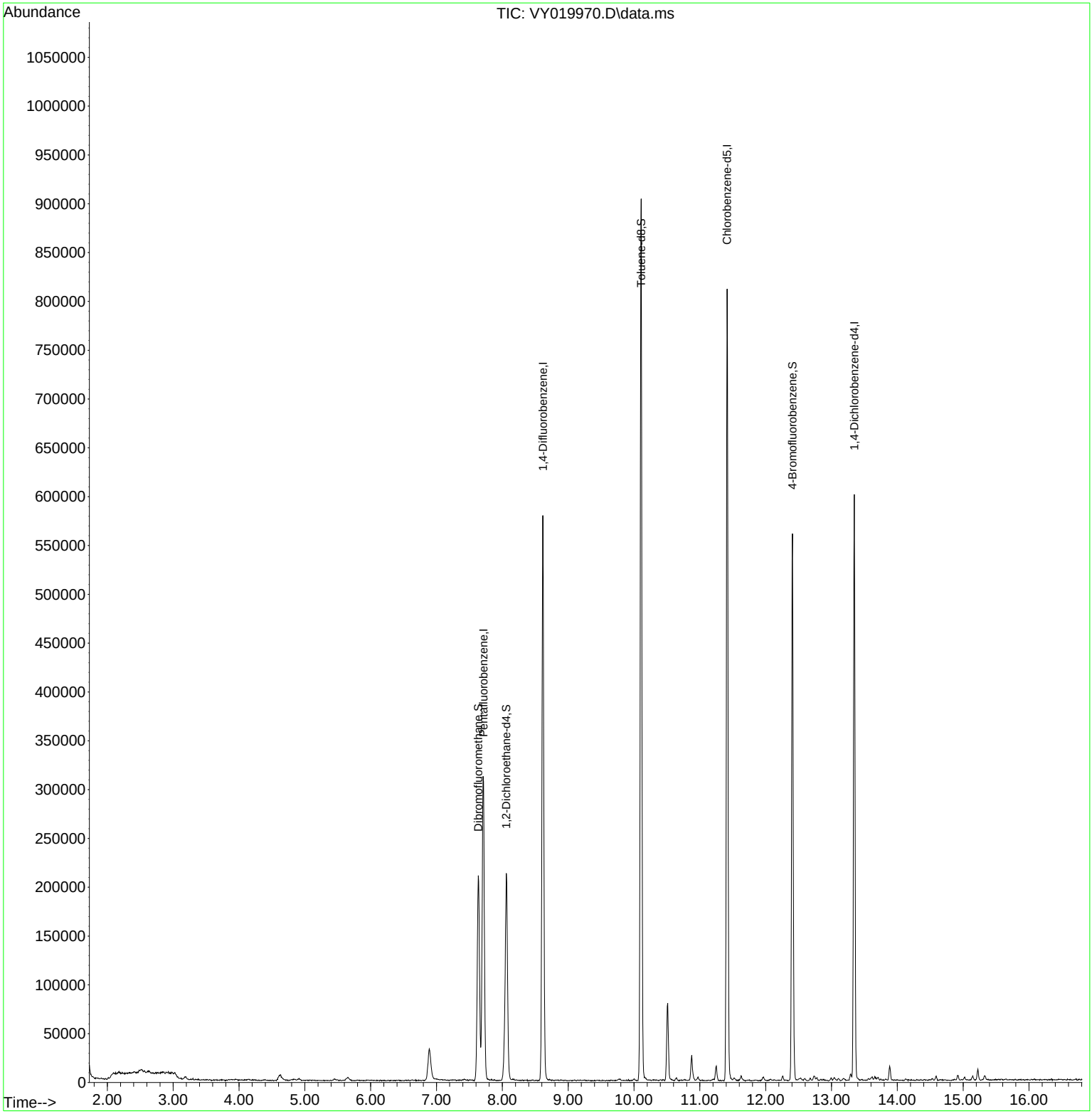
Target Compounds Qvalue

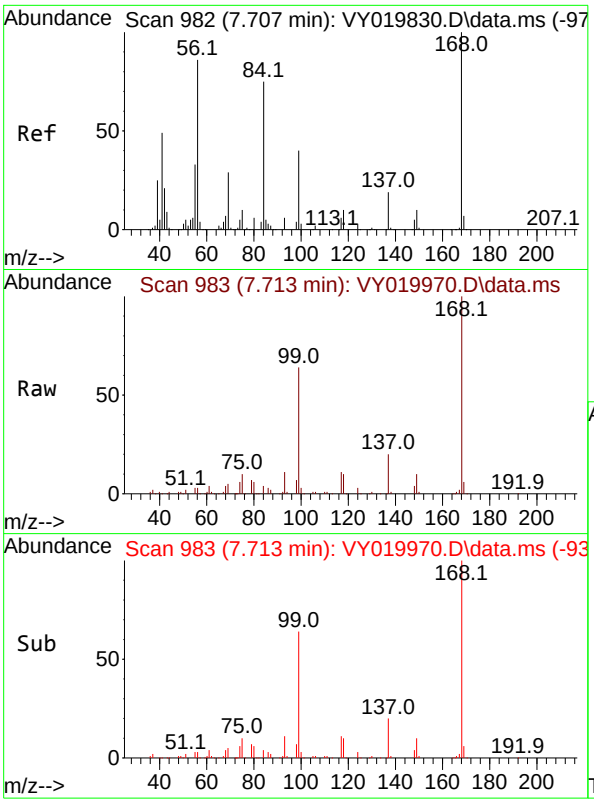
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Time: Oct 23 01:24:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



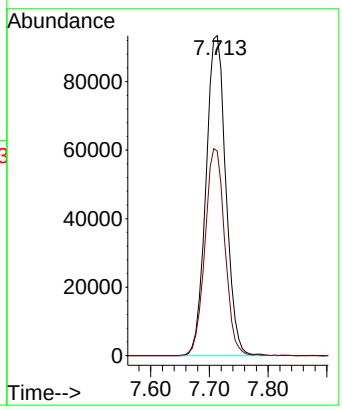


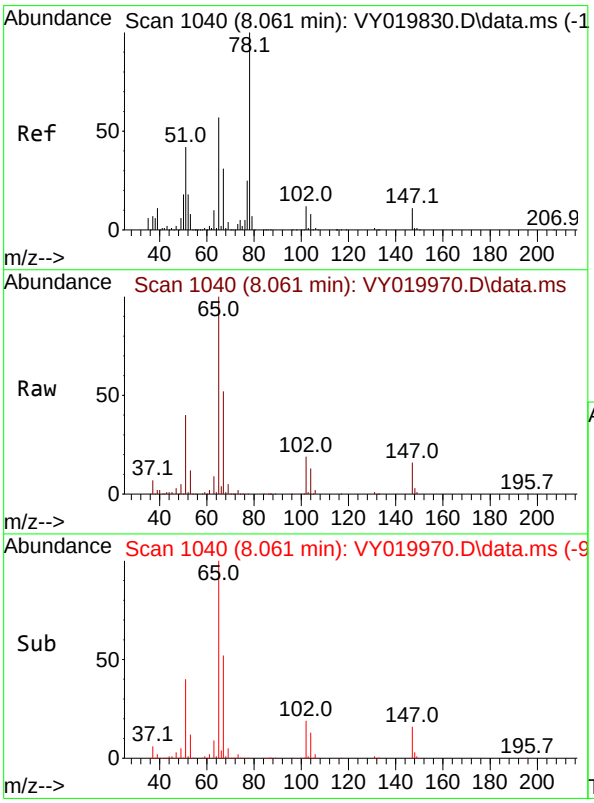
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion:168 Resp: 219150

Ion	Ratio	Lower	Upper
168	100		
99	64.0	39.1	58.7#

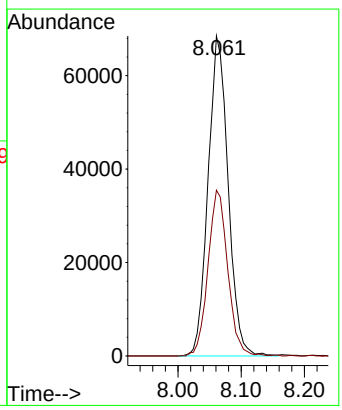


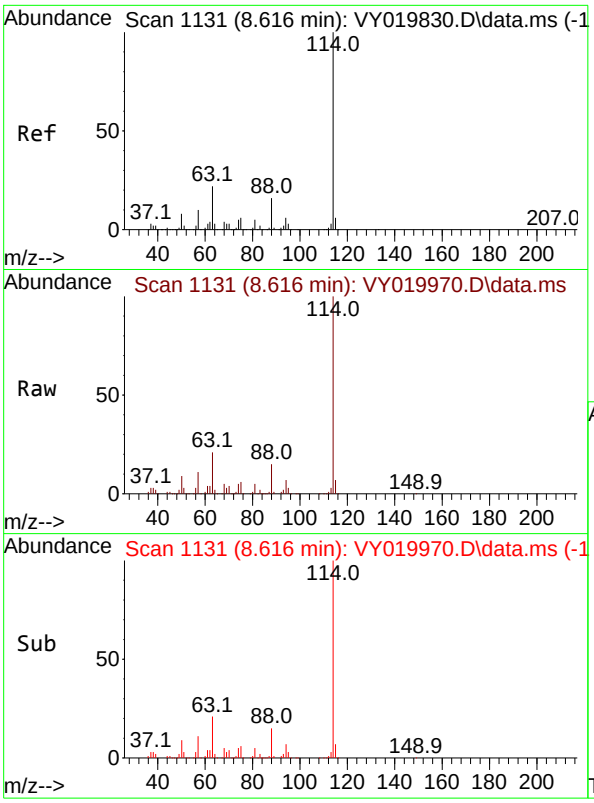


#33
1,2-Dichloroethane-d4
Concen: 55.848 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Tgt Ion: 65 Resp: 150698

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	109.6



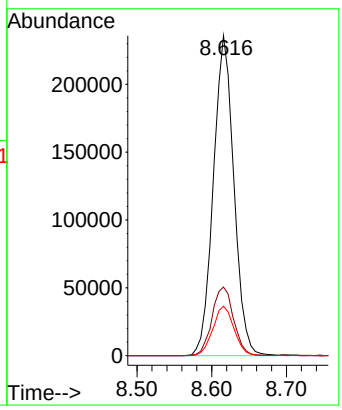


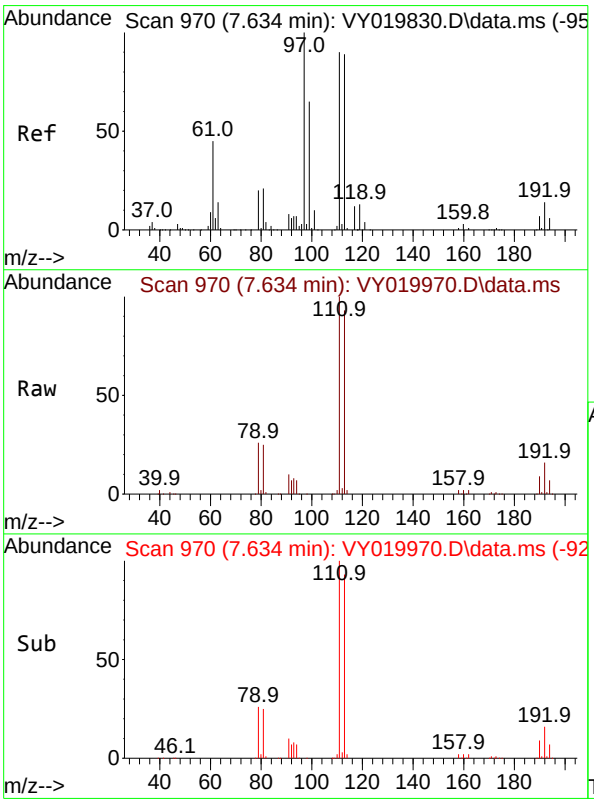
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion:114 Resp: 450425

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	35.0
88	15.5	0.0	27.2

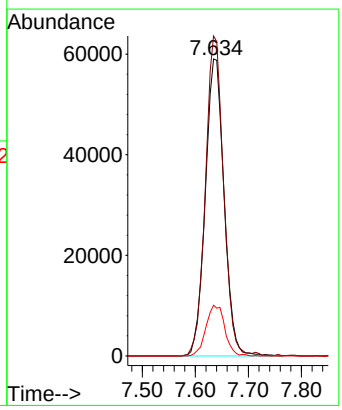


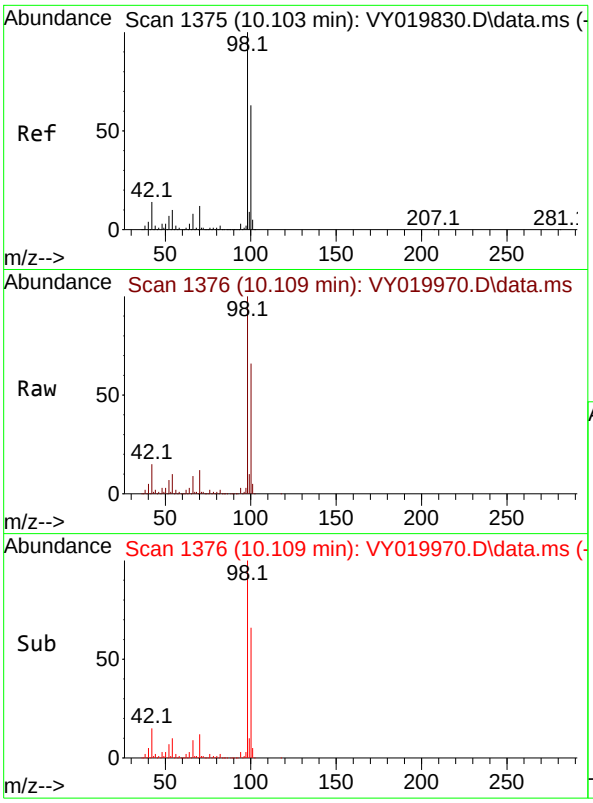


#35
Dibromofluoromethane
Concen: 48.886 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Tgt Ion:113 Resp: 145305

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.2	123.4
192	17.1	15.9	23.9



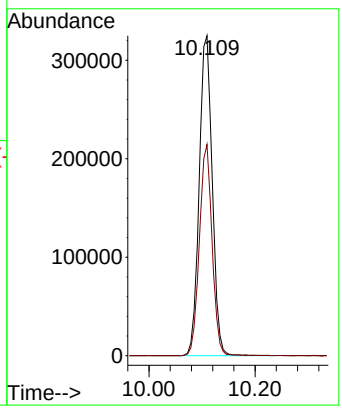


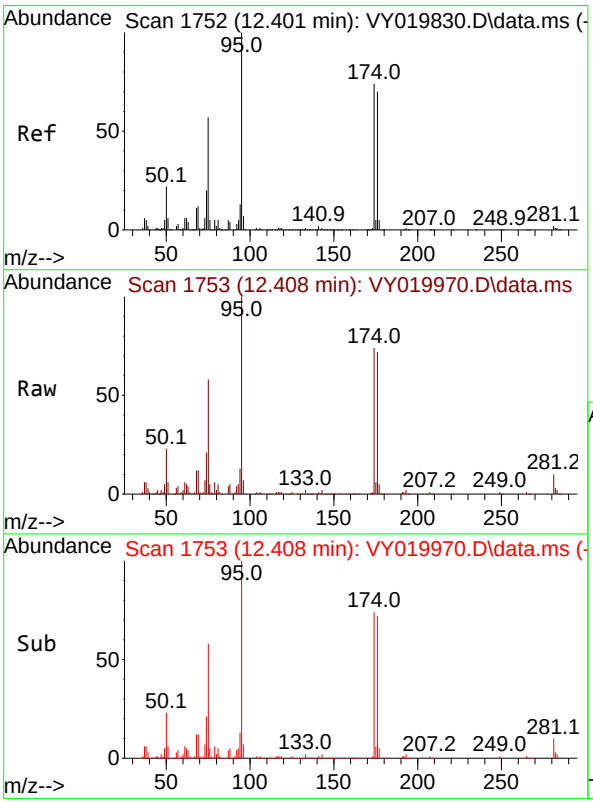
#50
Toluene-d8
Concen: 50.563 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion: 98 Resp: 554994

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0

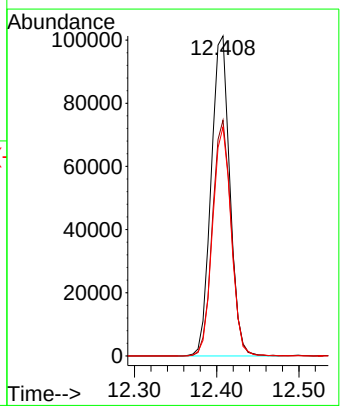


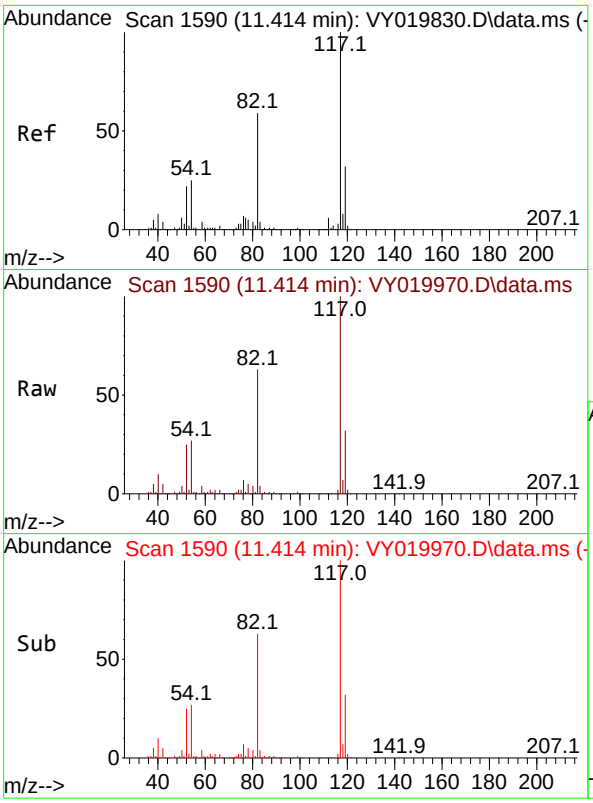


#62
4-Bromofluorobenzene
Concen: 40.325 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Tgt Ion: 95 Resp: 159930

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	175.6
176	71.3	0.0	171.4



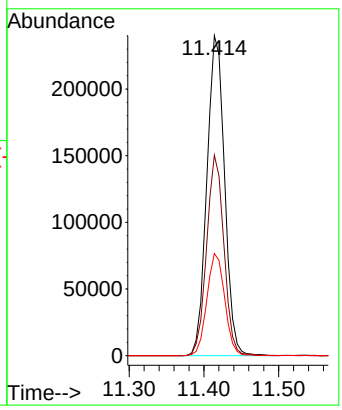


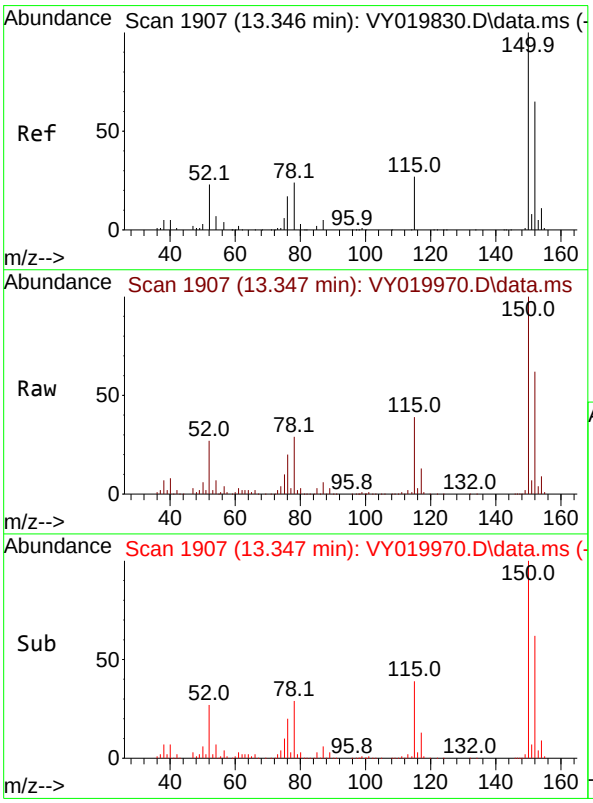
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Tgt Ion:117 Resp: 395647

Ion	Ratio	Lower	Upper
117	100		
82	62.6	42.4	63.6
119	31.9	25.9	38.9

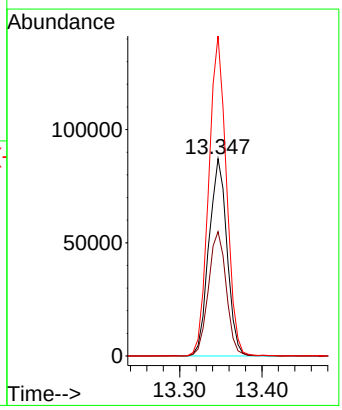




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019970.D
Acq: 22 Oct 2024 10:36

Tgt Ion:152 Resp: 132931

Ion	Ratio	Lower	Upper
152	100		
115	62.3	28.2	84.7
150	158.7	0.0	345.6



Sample Results: **VY019970.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

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_Y\methods\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY019970.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.092	50	61	65	rBV5	5719	19578	1.27%	0.244%
2	6.890	836	848	862	rBV	32414	107177	6.98%	1.335%
3	7.634	960	970	976	rBV	210336	504737	32.86%	6.287%
4	7.707	976	982	993	rVB	310616	721755	46.98%	8.991%
5	8.061	1025	1040	1052	rBV2	212210	537568	34.99%	6.696%
6	8.616	1121	1131	1145	rBV	578997	1125141	73.24%	14.015%
7	10.109	1368	1376	1384	rBV	903209	1536236	100.00%	19.136%
8	10.512	1434	1442	1450	rBV	79596	146640	9.55%	1.827%
9	10.877	1496	1502	1510	rVB2	25665	45490	2.96%	0.567%
10	11.249	1558	1563	1568	rVB	14826	25408	1.65%	0.316%
11	11.414	1582	1590	1599	rBV	811204	1341171	87.30%	16.706%
12	12.408	1742	1753	1762	rBV2	560356	942002	61.32%	11.734%
13	13.347	1901	1907	1920	rVB	600058	933703	60.78%	11.631%
14	13.883	1990	1995	2001	rVB2	14312	23146	1.51%	0.288%
15	15.224	2209	2215	2222	rVB2	11407	18113	1.18%	0.226%

Sum of corrected areas: 8027865

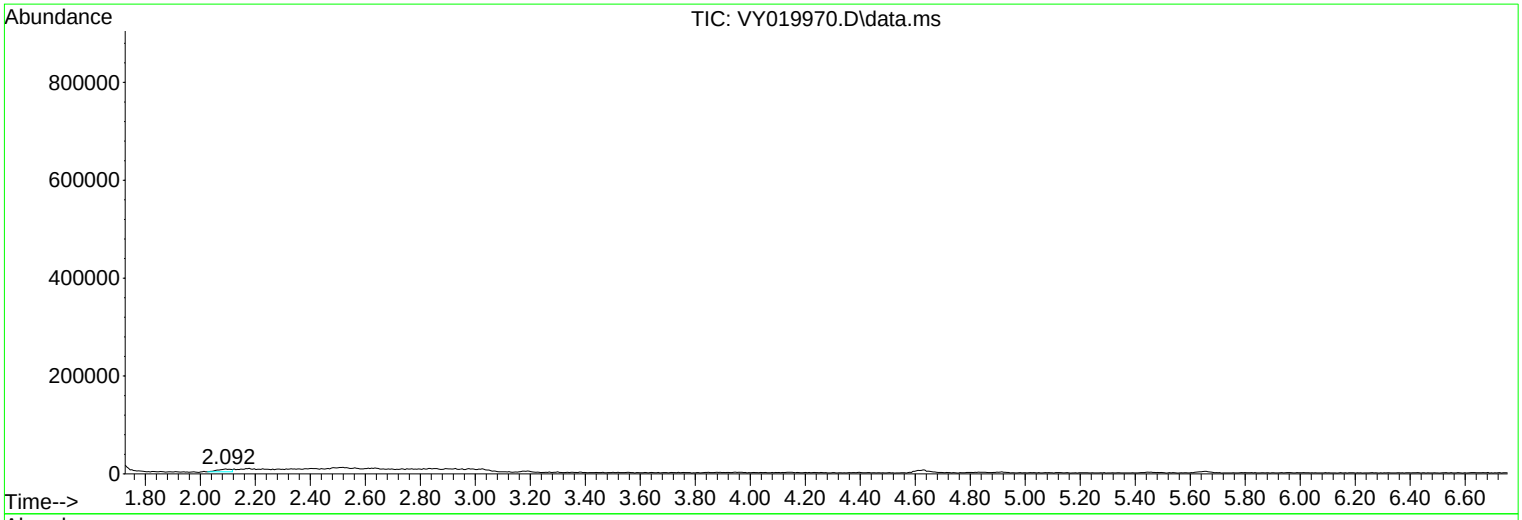
Sample Results: **VY019970.D**

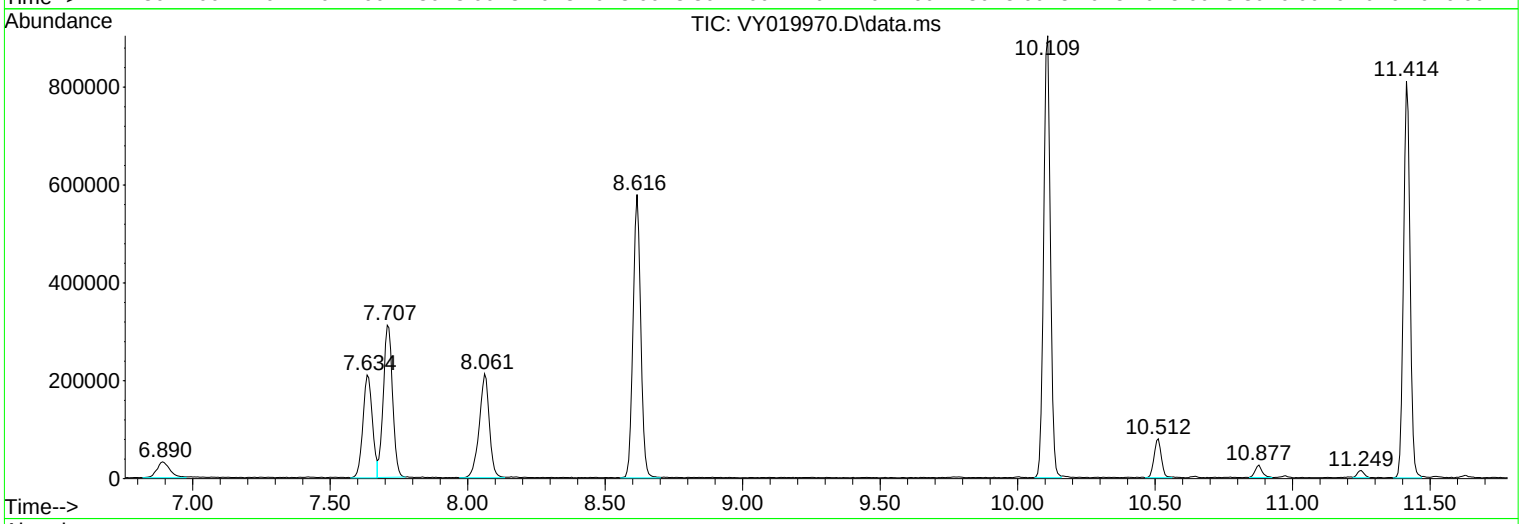
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

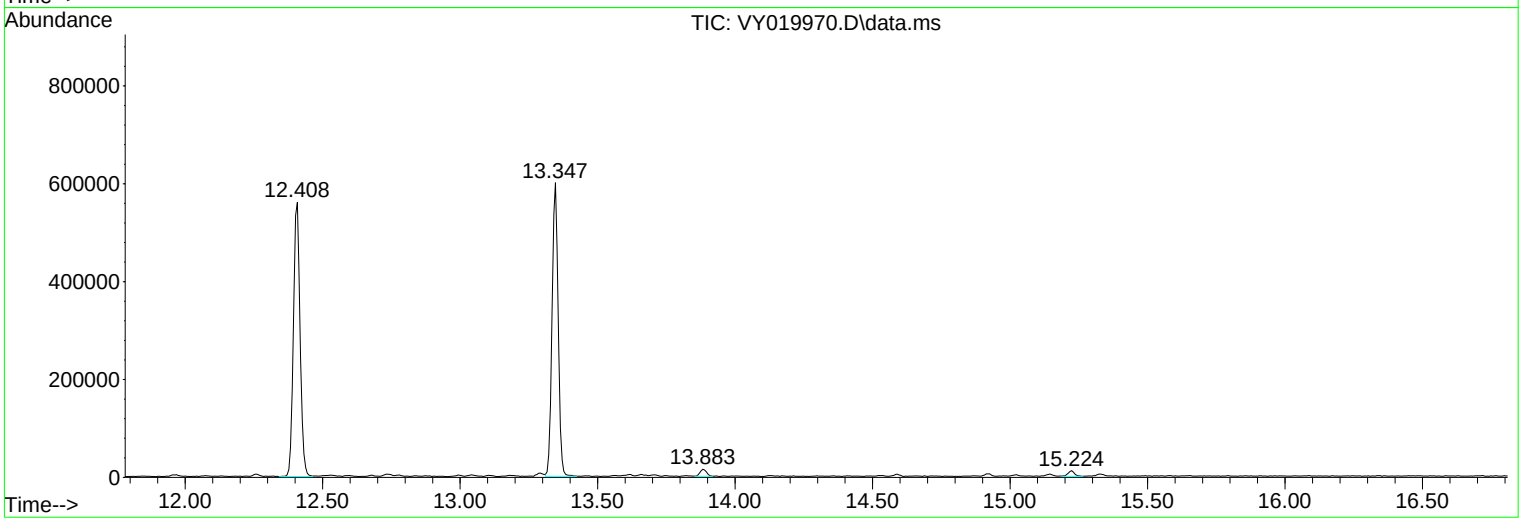
Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY019970.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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_Y\Data\VY102224\
Data File : VY019970.D
Acq On : 22 Oct 2024 10:36
Operator : SY/MD
Sample : VY1022SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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_Y\Data\VY102324\
Data File : VY019986.D
Acq On : 23 Oct 2024 11:35
Operator : SY/MD
Sample : VY1023SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBL01

Quant Time: Oct 23 23:04:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

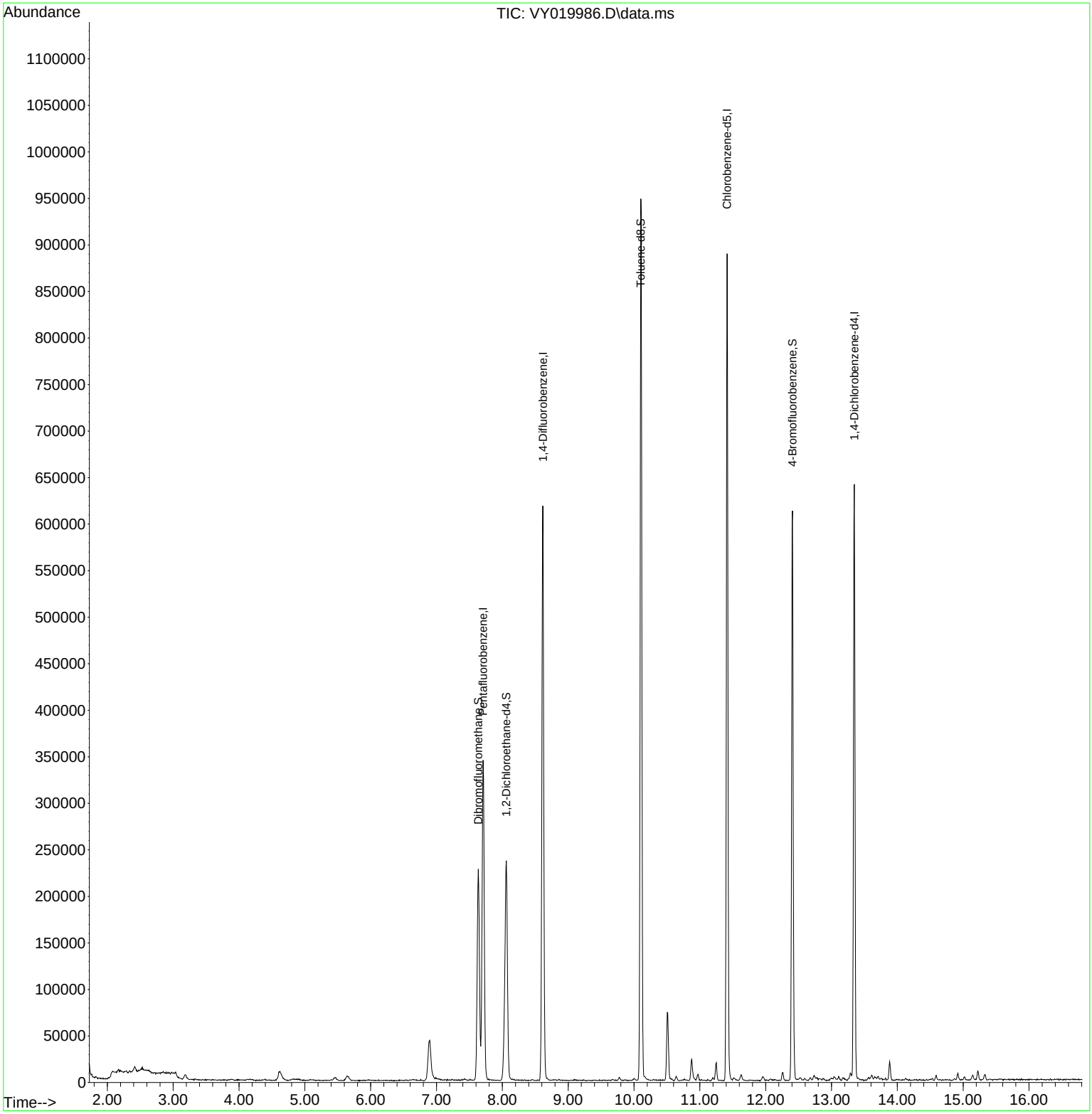
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	239192	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	486232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	427644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145538	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158528	53.827	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.660%			
35) Dibromofluoromethane	7.634	113	160195	49.927	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.860%			
50) Toluene-d8	10.103	98	595787	50.282	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.560%			
62) 4-Bromofluorobenzene	12.408	95	179787	41.993	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 83.980%			
Target Compounds						Qvalue

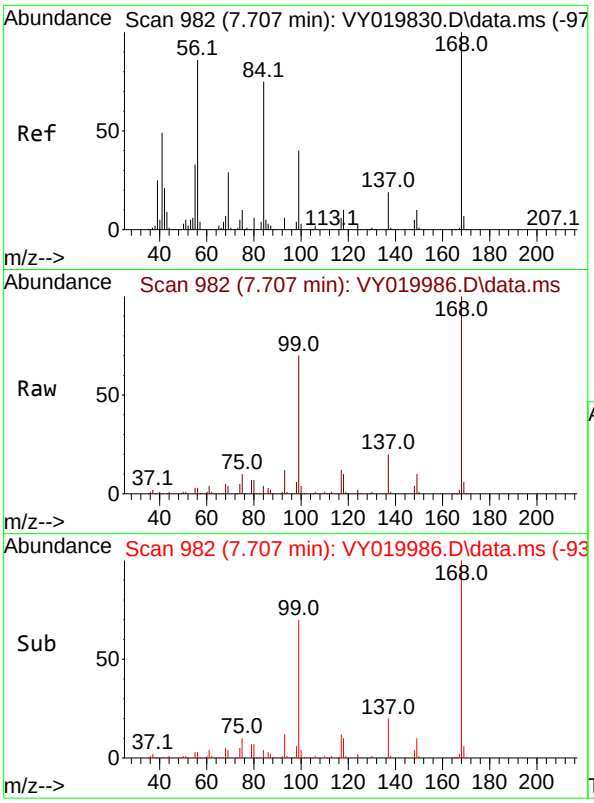
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019986.D
Acq On : 23 Oct 2024 11:35
Operator : SY/MD
Sample : VY1023SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBL01

Quant Time: Oct 23 23:04:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



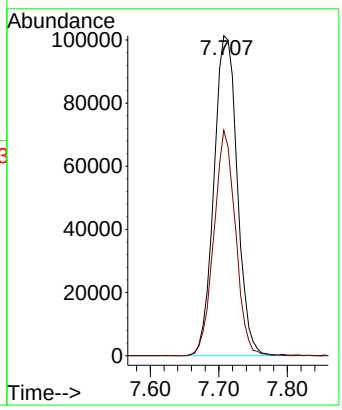


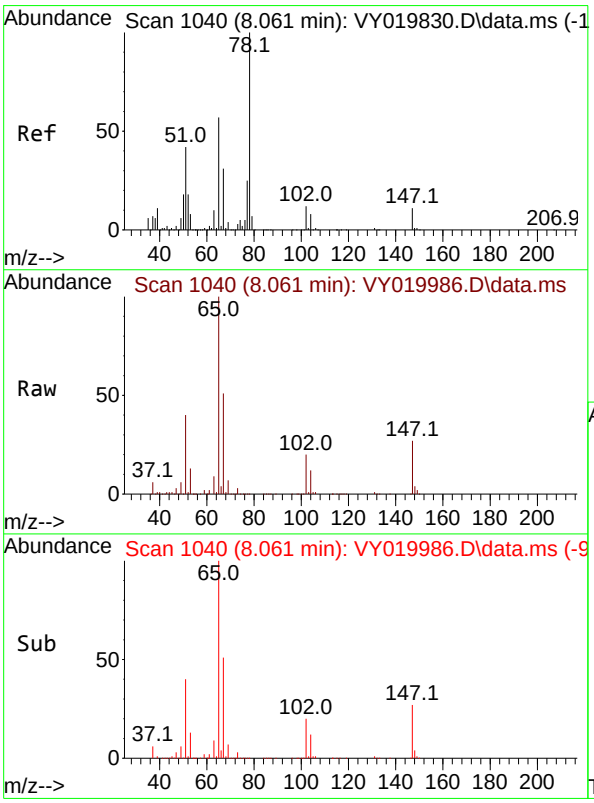
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY019986.D
Acq: 23 Oct 2024 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBL01

Tgt Ion:168 Resp: 239192

Ion	Ratio	Lower	Upper
168	100		
99	70.4	39.1	58.7#

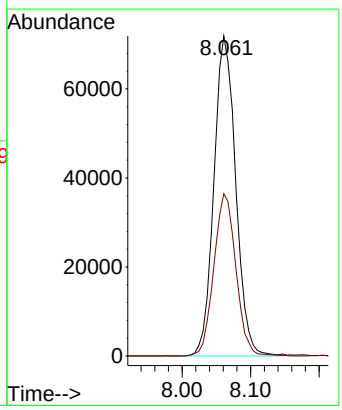


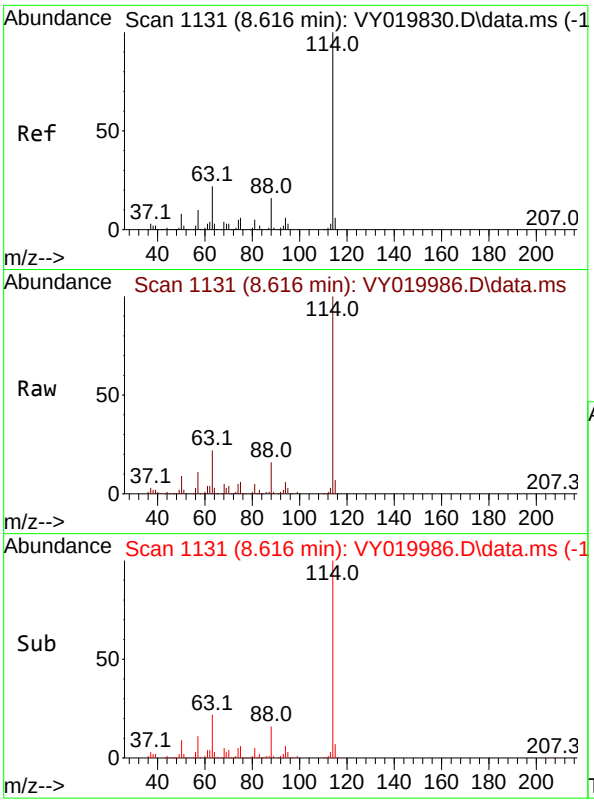


#33
1,2-Dichloroethane-d4
Concen: 53.827 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019986.D
Acq: 23 Oct 2024 11:35

Tgt Ion: 65 Resp: 158528

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	109.6



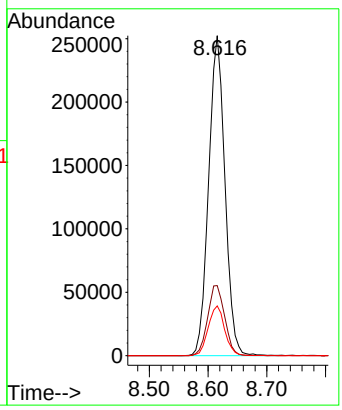


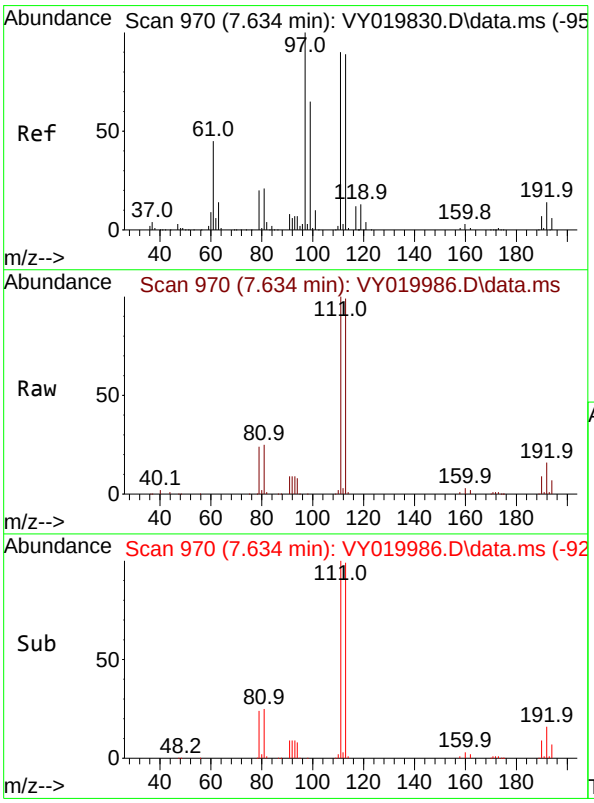
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019986.D
Acq: 23 Oct 2024 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBL01

Tgt Ion:114 Resp: 486232

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	35.0
88	15.5	0.0	27.2

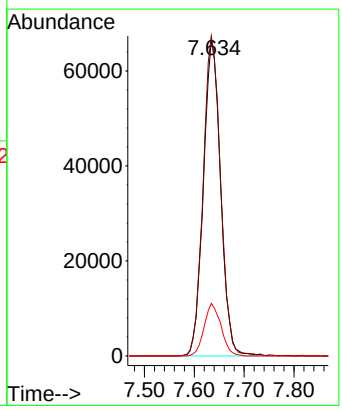


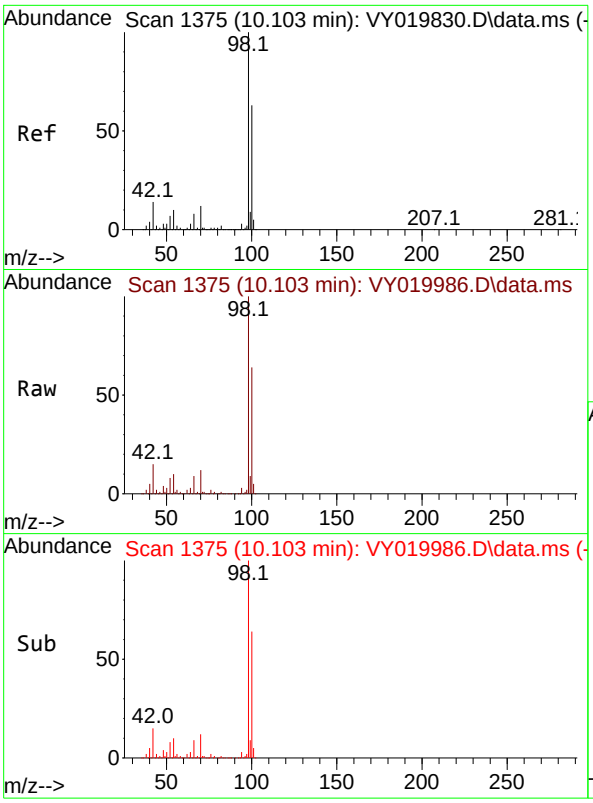


#35
Dibromofluoromethane
Concen: 49.927 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019986.D
Acq: 23 Oct 2024 11:35

Tgt Ion:113 Resp: 160195

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	16.3	15.9	23.9



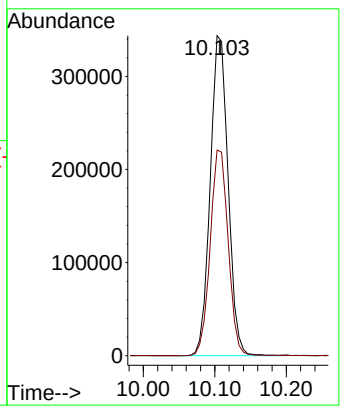


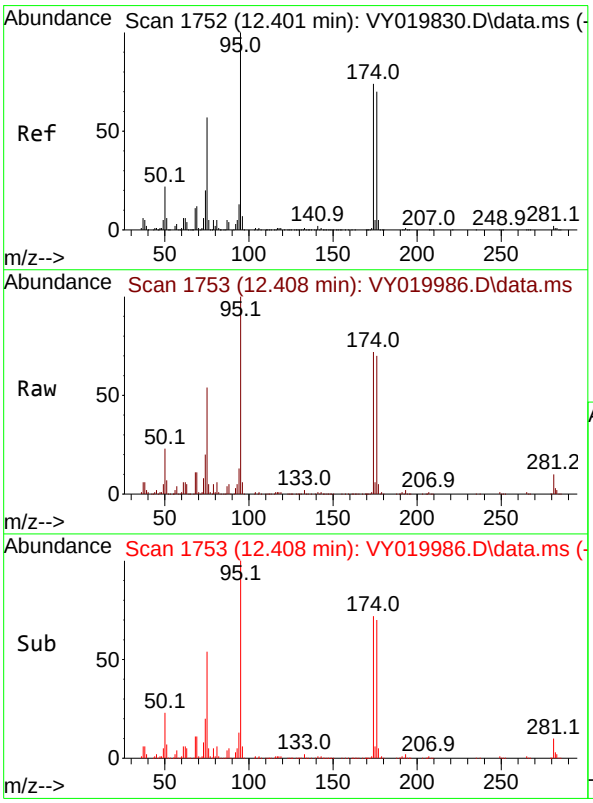
#50
Toluene-d8
Concen: 50.282 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019986.D
Acq: 23 Oct 2024 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBL01

Tgt Ion: 98 Resp: 595787

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.0	78.0

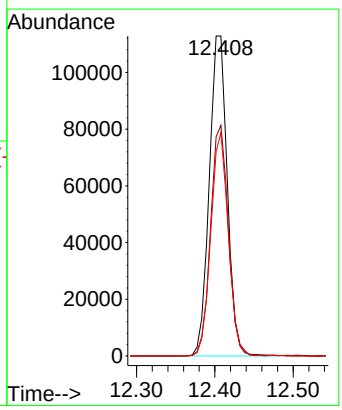


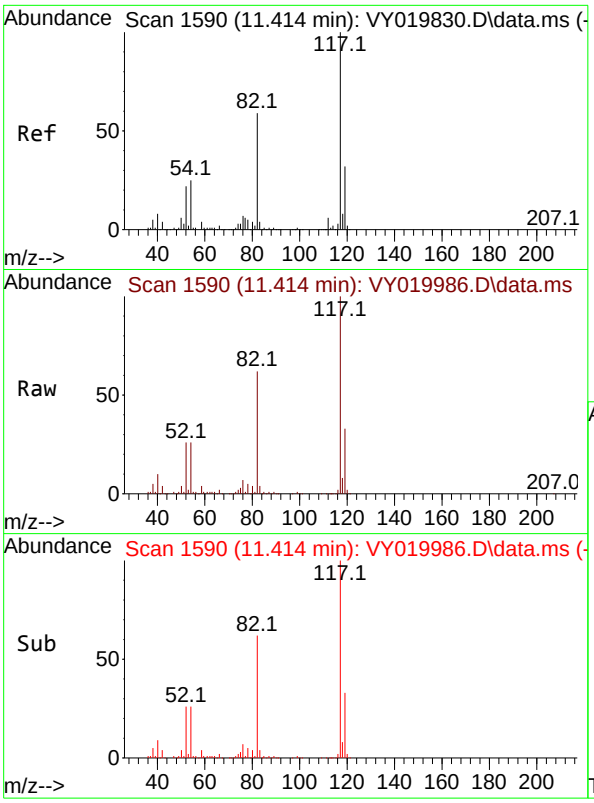


#62
4-Bromofluorobenzene
Concen: 41.993 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019986.D
Acq: 23 Oct 2024 11:35

Tgt Ion: 95 Resp: 179787

Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	175.6
176	67.8	0.0	171.4



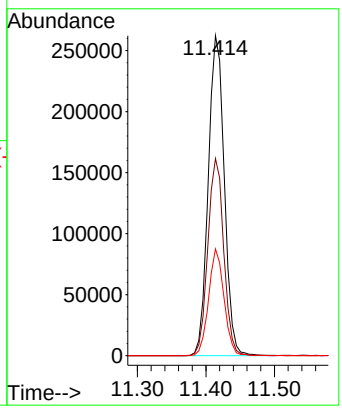


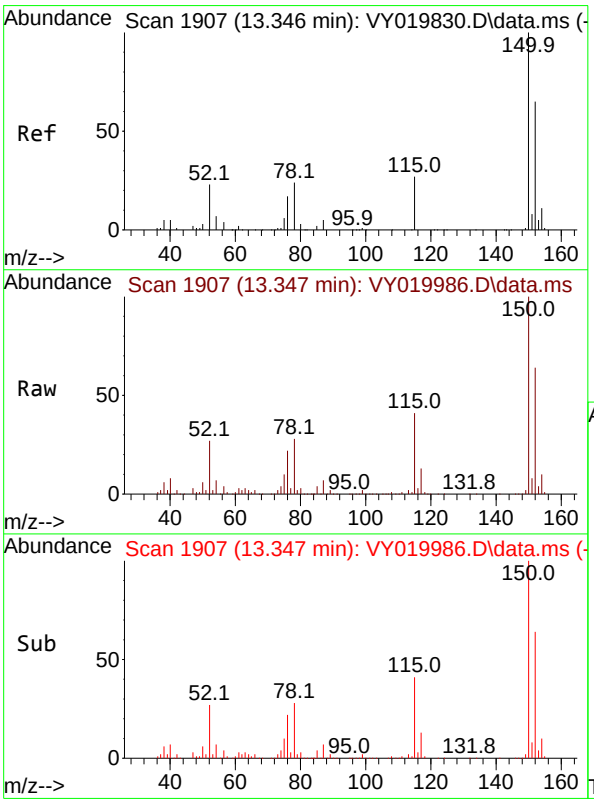
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY019986.D
Acq: 23 Oct 2024 11:35

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBL01

Tgt Ion:117 Resp: 427644

Ion	Ratio	Lower	Upper
117	100		
82	61.6	42.4	63.6
119	33.3	25.9	38.9

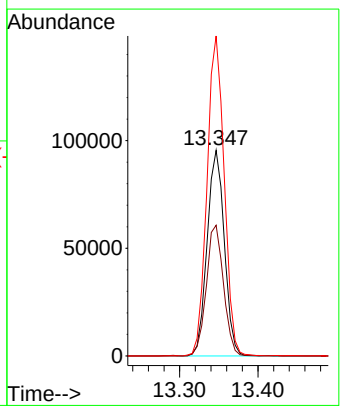




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019986.D
Acq: 23 Oct 2024 11:35

Tgt Ion:152 Resp: 145538

Ion	Ratio	Lower	Upper
152	100		
115	63.6	28.2	84.7
150	155.6	0.0	345.6



Sample Results: **VY019986.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019986.D
Acq On : 23 Oct 2024 11:35
Operator : SY/MD
Sample : VY1023SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBL01

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_Y\methods\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY019986.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	46	59	62	rBV9	8295	25780	1.56%	0.294%
2	6.896	834	849	862	rBV	43709	151733	9.17%	1.730%
3	7.634	960	970	976	rBV	226787	540422	32.67%	6.163%
4	7.707	976	982	994	rVB	343585	783314	47.36%	8.933%
5	8.061	1022	1040	1053	rBV2	236327	649351	39.26%	7.405%
6	8.616	1123	1131	1140	rBV	617660	1210565	73.18%	13.805%
7	10.103	1367	1375	1384	rBV	946967	1654124	100.00%	18.863%
8	10.506	1434	1441	1451	rBV	72864	142236	8.60%	1.622%
9	10.877	1493	1502	1512	rBV4	22859	46203	2.79%	0.527%
10	11.249	1558	1563	1570	rVB	18939	30456	1.84%	0.347%
11	11.414	1582	1590	1603	rBV	888851	1444498	87.33%	16.473%
12	12.408	1745	1753	1762	rBV2	611747	1035224	62.58%	11.806%
13	13.347	1900	1907	1915	rVB	638993	1003727	60.68%	11.446%
14	13.883	1987	1995	2001	rVB2	20104	34051	2.06%	0.388%
15	15.224	2209	2215	2221	rVV4	9902	17287	1.05%	0.197%

Sum of corrected areas: 8768971

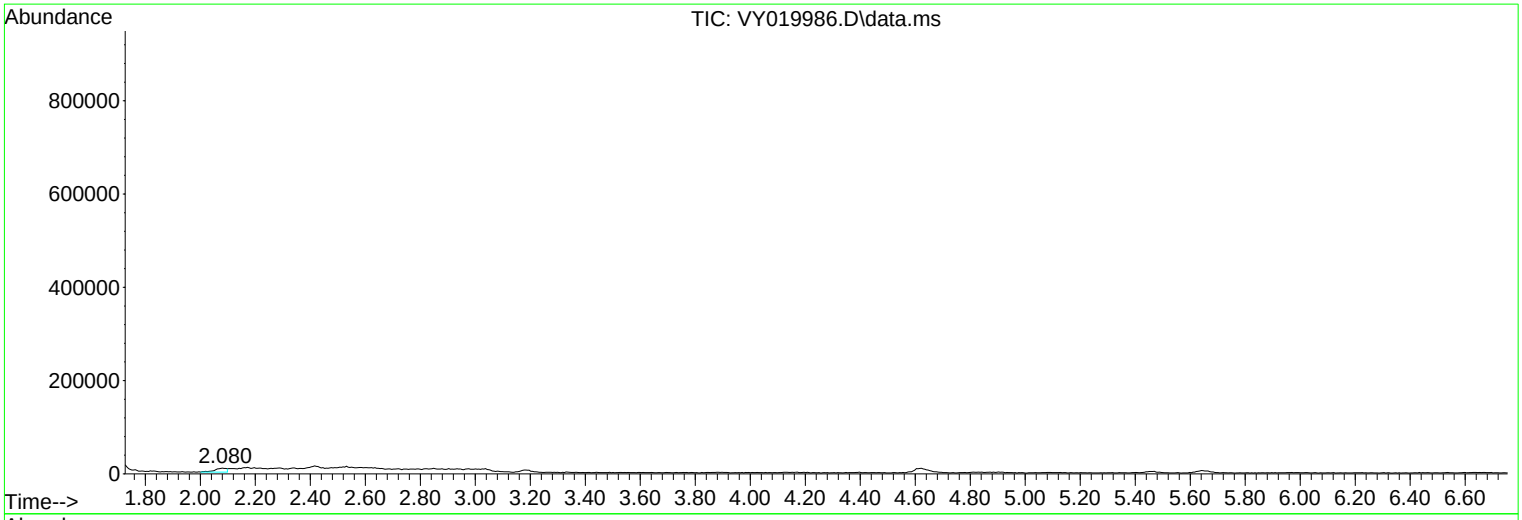
Sample Results: **VY019986.D**

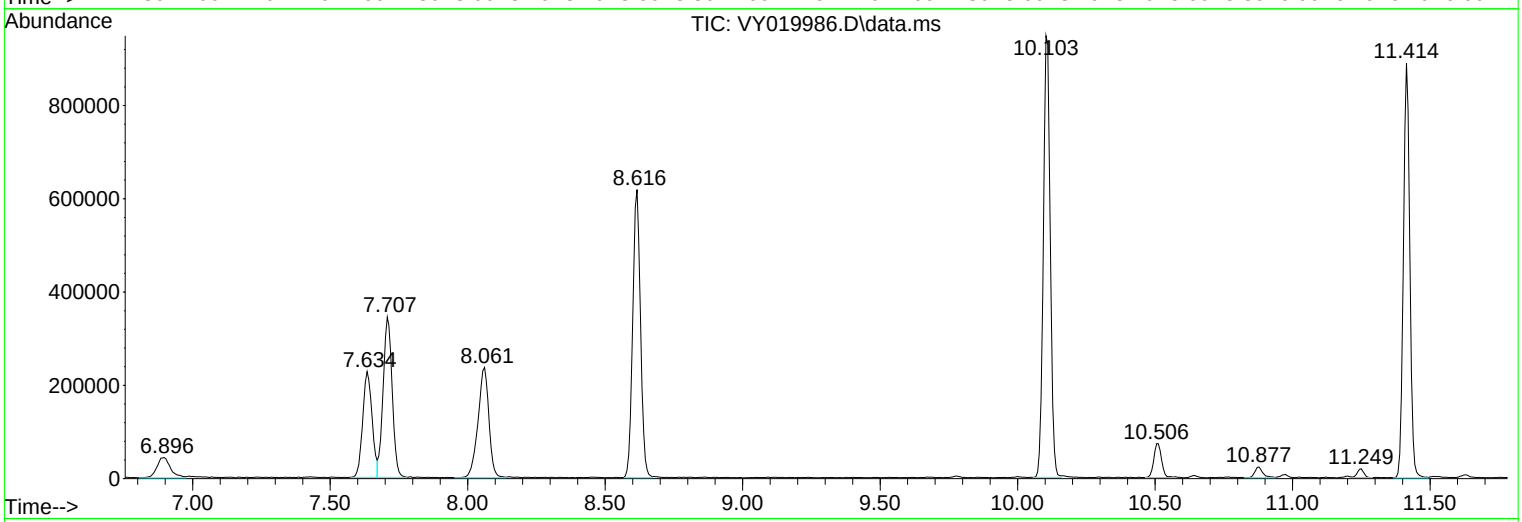
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019986.D
Acq On : 23 Oct 2024 11:35
Operator : SY/MD
Sample : VY1023SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

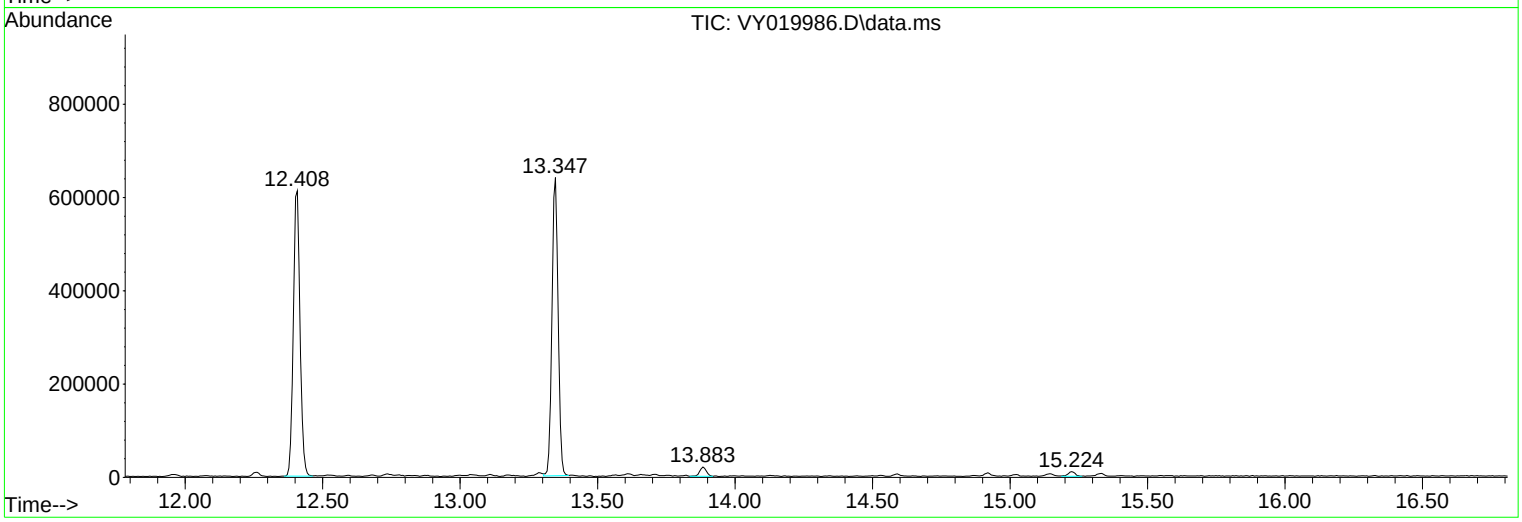
Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019986.D
Acq On : 23 Oct 2024 11:35
Operator : SY/MD
Sample : VY1023SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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_Y\Data\VY102324\
Data File : VY019986.D
Acq On : 23 Oct 2024 11:35
Operator : SY/MD
Sample : VY1023SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.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\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	189913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142332	50.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.100%			
35) Dibromofluoromethane	8.165	113	115508	54.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.520%			
50) Toluene-d8	10.565	98	422532	53.947	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.900%			
62) 4-Bromofluorobenzene	12.847	95	149865	52.521	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.130	85	36261	16.142	ug/l	95
3) Chloromethane	2.359	50	41235	16.076	ug/l	96
4) Vinyl Chloride	2.512	62	41507	16.706	ug/l	100
5) Bromomethane	2.953	94	26963	16.453	ug/l	98
6) Chloroethane	3.124	64	26726	15.020	ug/l	99
7) Trichlorofluoromethane	3.500	101	70146	18.131	ug/l	98
8) Diethyl Ether	3.965	74	24127	16.814	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	40161	18.116	ug/l	98
10) Methyl Iodide	4.589	142	48908	17.131	ug/l	96
11) Tert butyl alcohol	5.518	59	36415	78.429	ug/l #	94
12) 1,1-Dichloroethene	4.342	96	37659	17.612	ug/l	97
13) Acrolein	4.183	56	26602	49.907	ug/l	98
14) Allyl chloride	5.024	41	58352	15.713	ug/l	98
15) Acrylonitrile	5.718	53	109279	93.202	ug/l	99
16) Acetone	4.430	43	105837	87.496	ug/l	96
17) Carbon Disulfide	4.712	76	96169	14.205	ug/l	100
18) Methyl Acetate	5.030	43	59251	22.474	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	130984	18.149	ug/l	98
20) Methylene Chloride	5.271	84	45743	18.603	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	38888	17.359	ug/l	95
22) Diisopropyl ether	6.671	45	141732	18.451	ug/l	98
23) Vinyl Acetate	6.600	43	468614	82.252	ug/l	98
24) 1,1-Dichloroethane	6.571	63	82481	19.201	ug/l	97
25) 2-Butanone	7.483	43	146074	88.663	ug/l	98
26) 2,2-Dichloropropane	7.488	77	71005	18.333	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	49184	18.169	ug/l	98
28) Bromochloromethane	7.812	49	37550	19.592	ug/l	97
29) Tetrahydrofuran	7.841	42	90421	88.935	ug/l	98
30) Chloroform	7.971	83	84755	18.995	ug/l	100
31) Cyclohexane	8.259	56	66762	16.007	ug/l #	97
32) 1,1,1-Trichloroethane	8.171	97	74940	18.700	ug/l	97
36) 1,1-Dichloropropene	8.371	75	56161	18.162	ug/l	97
37) Ethyl Acetate	7.559	43	57455	18.111	ug/l	99
38) Carbon Tetrachloride	8.365	117	64152	18.912	ug/l	94
39) Methylcyclohexane	9.600	83	55643	16.168	ug/l	96
40) Benzene	8.606	78	183073	19.002	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29860	17.338	ug/l		93
42) 1,2-Dichloroethane	8.671	62	61753	18.907	ug/l		99
43) Isopropyl Acetate	8.688	43	94050	15.136	ug/l		98
44) Trichloroethene	9.347	130	43127	19.166	ug/l		98
45) 1,2-Dichloropropane	9.624	63	44771	19.644	ug/l		98
46) Dibromomethane	9.706	93	31378	20.401	ug/l		96
47) Bromodichloromethane	9.888	83	66599	19.490	ug/l		96
48) Methyl methacrylate	9.682	41	43352	17.526	ug/l		98
49) 1,4-Dioxane	9.694	88	16997	373.245	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	292338	96.801	ug/l		100
52) Toluene	10.629	92	114864	19.551	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	64356	18.476	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	70777	18.891	ug/l		96
55) 1,1,2-Trichloroethane	11.012	97	43053	20.441	ug/l		97
56) Ethyl methacrylate	10.871	69	65255	18.829	ug/l		96
57) 1,3-Dichloropropane	11.165	76	74113	19.693	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	139755	86.930	ug/l		98
59) 2-Hexanone	11.194	43	216944	96.112	ug/l		99
60) Dibromochloromethane	11.359	129	50030	20.104	ug/l		99
61) 1,2-Dibromoethane	11.465	107	41569	18.994	ug/l		98
64) Tetrachloroethene	11.100	164	37454	18.924	ug/l		95
65) Chlorobenzene	11.888	112	121076	19.217	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	43109	19.865	ug/l		99
67) Ethyl Benzene	11.965	91	205793	18.470	ug/l		100
68) m/p-Xylenes	12.070	106	158675	38.498	ug/l		100
69) o-Xylene	12.400	106	78180	20.049	ug/l		96
70) Styrene	12.412	104	129069	19.541	ug/l		99
71) Bromoform	12.576	173	31202	19.529	ug/l	#	95
73) Isopropylbenzene	12.694	105	191996	18.189	ug/l		98
74) N-amyl acetate	12.494	43	79653	16.664	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	61726	19.448	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	58038m	20.552	ug/l		
77) Bromobenzene	12.982	156	48284	18.964	ug/l		95
78) n-propylbenzene	13.035	91	231176	18.903	ug/l		99
79) 2-Chlorotoluene	13.123	91	145730	18.674	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	168330	19.550	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	19953	16.940	ug/l		98
82) 4-Chlorotoluene	13.217	91	149766	19.064	ug/l		100
83) tert-Butylbenzene	13.435	119	141261	18.459	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	169548	19.547	ug/l		99
85) sec-Butylbenzene	13.617	105	195385	19.133	ug/l		99
86) p-Isopropyltoluene	13.729	119	161505	19.125	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	88692	18.569	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	90608	18.784	ug/l		99
89) n-Butylbenzene	14.053	91	132089	17.250	ug/l		99
90) Hexachloroethane	14.329	117	31571	18.419	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	85799	18.319	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11177	17.065	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	40526	17.567	ug/l		100
94) Hexachlorobutadiene	15.500	225	19271	16.751	ug/l		98
95) Naphthalene	15.641	128	119595	15.638	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	39826	17.247	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

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

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

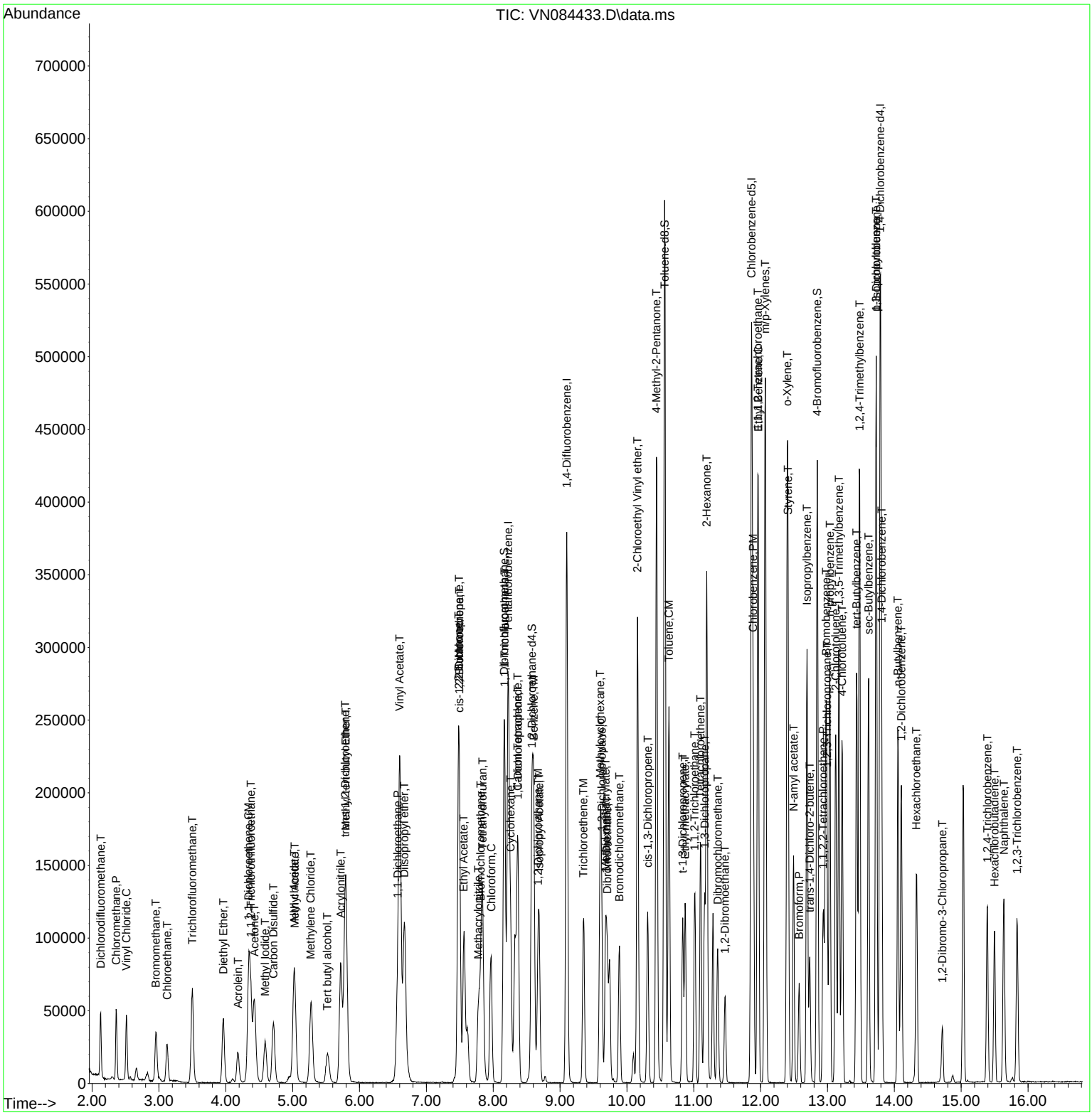
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084433.D
Acq On : 21 Oct 2024 13:48
Operator : JC\MD
Sample : VN1021WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 22 01:32:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019971.D
Acq On : 22 Oct 2024 11:16
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 01:24:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	215657	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	379714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	332435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	160914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141380	53.243	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.480%			
35) Dibromofluoromethane	7.634	113	133012	53.084	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.160%			
50) Toluene-d8	10.109	98	475907	51.432	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.860%			
62) 4-Bromofluorobenzene	12.402	95	170290	50.932	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 101.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	33223	16.549	ug/l	98
3) Chloromethane	2.068	50	49488	18.940	ug/l	100
4) Vinyl Chloride	2.208	62	55873	19.432	ug/l	98
5) Bromomethane	2.598	94	37858	20.801	ug/l	100
6) Chloroethane	2.739	64	38712	20.041	ug/l	100
7) Trichlorofluoromethane	3.062	101	85347	19.948	ug/l	96
8) Diethyl Ether	3.452	74	25847	19.877	ug/l	77
9) 1,1,2-Trichlorotrifluo...	3.824	101	50745	20.391	ug/l	93
10) Methyl Iodide	4.007	142	41636	16.542	ug/l	91
11) Tert butyl alcohol	4.866	59	25021m	106.212	ug/l	
12) 1,1-Dichloroethene	3.793	96	42185	18.234	ug/l #	83
13) Acrolein	3.659	56	16151	82.776	ug/l	98
14) Allyl chloride	4.385	41	81015	19.408	ug/l #	89
15) Acrylonitrile	5.061	53	66986	112.627	ug/l	98
16) Acetone	3.873	43	78126	113.024	ug/l #	82
17) Carbon Disulfide	4.110	76	81763	13.185	ug/l	97
18) Methyl Acetate	4.385	43	31430	21.108	ug/l #	86
19) Methyl tert-butyl Ether	5.116	73	139186	20.941	ug/l	99
20) Methylene Chloride	4.622	84	56101	21.506	ug/l #	79
21) trans-1,2-Dichloroethene	5.116	96	45321	17.999	ug/l #	83
22) Diisopropyl ether	6.019	45	203752	22.409	ug/l	89
23) Vinyl Acetate	5.964	43	546717	104.884	ug/l #	89
24) 1,1-Dichloroethane	5.921	63	108940	21.554	ug/l	94
25) 2-Butanone	6.896	43	102585	110.874	ug/l #	86
26) 2,2-Dichloropropane	6.884	77	90383	20.079	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	62331	20.031	ug/l	80
28) Bromochloromethane	7.244	49	48033	21.591	ug/l #	70
29) Tetrahydrofuran	7.262	42	54967	104.047	ug/l #	83
30) Chloroform	7.421	83	112806	21.894	ug/l	97
31) Cyclohexane	7.701	56	80071	18.047	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	92780	20.548	ug/l #	93
36) 1,1-Dichloropropene	7.835	75	71236	19.734	ug/l	94
37) Ethyl Acetate	6.988	43	40100	21.303	ug/l	95
38) Carbon Tetrachloride	7.817	117	76692	19.817	ug/l	97
39) Methylcyclohexane	9.110	83	80260	17.646	ug/l #	87
40) Benzene	8.079	78	219502	20.092	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019971.D
Acq On : 22 Oct 2024 11:16
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 01:24:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	19341	18.985	ug/l		92
42) 1,2-Dichloroethane	8.158	62	65423	20.844	ug/l		95
43) Isopropyl Acetate	8.195	43	79333	20.666	ug/l	#	80
44) Trichloroethene	8.866	130	50367	19.035	ug/l		93
45) 1,2-Dichloropropane	9.140	63	59274	21.677	ug/l		98
46) Dibromomethane	9.231	93	30961	20.724	ug/l		89
47) Bromodichloromethane	9.420	83	86000	21.687	ug/l	#	99
48) Methyl methacrylate	9.219	41	34794	20.605	ug/l	#	80
49) 1,4-Dioxane	9.231	88	7330	438.363	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.000	43	217037	110.843	ug/l		90
52) Toluene	10.170	92	138788	20.352	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	72028	20.187	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	83472	19.826	ug/l	#	80
55) 1,1,2-Trichloroethane	10.573	97	44204	22.457	ug/l		95
56) Ethyl methacrylate	10.439	69	58852	20.837	ug/l	#	75
57) 1,3-Dichloropropane	10.713	76	74227	21.473	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	135351	102.941	ug/l		91
59) 2-Hexanone	10.762	43	158039	113.005	ug/l		86
60) Dibromochloromethane	10.914	129	52796	20.897	ug/l		100
61) 1,2-Dibromoethane	11.012	107	36218	20.362	ug/l		100
64) Tetrachloroethene	10.646	164	43834	18.538	ug/l		98
65) Chlorobenzene	11.438	112	153304	20.162	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.512	131	52074	20.242	ug/l		100
67) Ethyl Benzene	11.518	91	275703	19.961	ug/l		100
68) m/p-Xylenes	11.627	106	200508	39.306	ug/l		91
69) o-Xylene	11.950	106	94910	19.365	ug/l		87
70) Styrene	11.969	104	166953	20.190	ug/l		96
71) Bromoform	12.133	173	28091	20.398	ug/l	#	92
73) Isopropylbenzene	12.255	105	267844	19.789	ug/l		98
74) N-amyl acetate	12.066	43	72695	20.278	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	53178	22.111	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	34549m	10.960	ug/l		
77) Bromobenzene	12.530	156	55338	19.267	ug/l		83
78) n-propylbenzene	12.591	91	329337	20.137	ug/l		97
79) 2-Chlorotoluene	12.676	91	186478	19.889	ug/l		95
80) 1,3,5-Trimethylbenzene	12.737	105	213940	19.572	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.298	75	15058	19.281	ug/l	#	82
82) 4-Chlorotoluene	12.773	91	190256	19.845	ug/l		95
83) tert-Butylbenzene	12.993	119	202672	20.697	ug/l		95
84) 1,2,4-Trimethylbenzene	13.042	105	208163	19.208	ug/l		100
85) sec-Butylbenzene	13.176	105	302618	20.684	ug/l		96
86) p-Isopropyltoluene	13.292	119	239445	20.155	ug/l		95
87) 1,3-Dichlorobenzene	13.286	146	112443	19.386	ug/l		95
88) 1,4-Dichlorobenzene	13.365	146	111972	19.650	ug/l		97
89) n-Butylbenzene	13.615	91	237965	20.513	ug/l		98
90) Hexachloroethane	13.877	117	47683	20.612	ug/l		85
91) 1,2-Dichlorobenzene	13.657	146	103209	20.251	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8010	20.869	ug/l		67
93) 1,2,4-Trichlorobenzene	14.919	180	51648	18.073	ug/l		98
94) Hexachlorobutadiene	15.023	225	31251	19.670	ug/l		96
95) Naphthalene	15.145	128	98435	18.263	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	44764	18.530	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019971.D
Acq On : 22 Oct 2024 11:16
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 01:24:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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

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

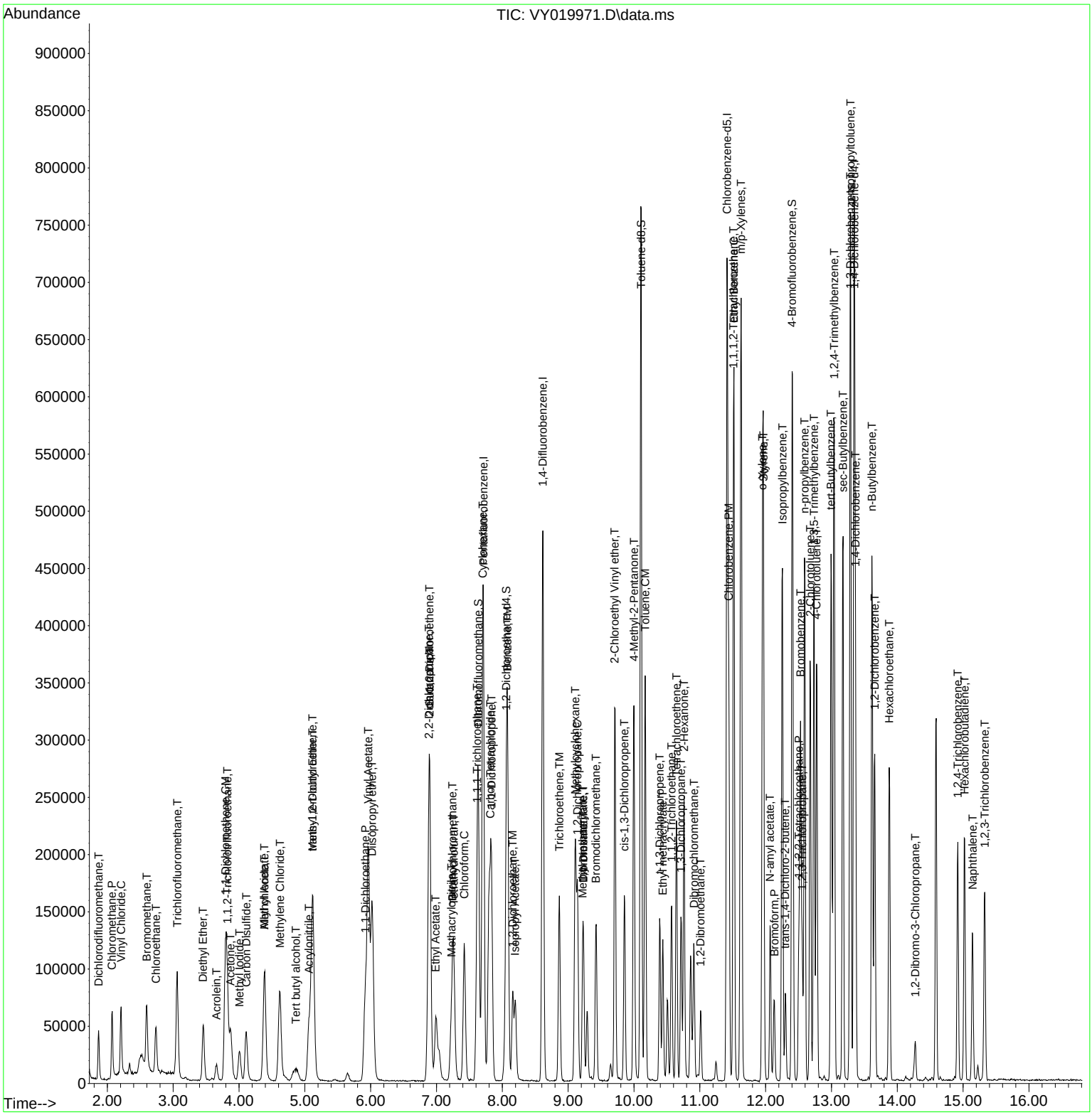
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019971.D
Acq On : 22 Oct 2024 11:16
Operator : SY/MD
Sample : VY1022SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 01:24:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019987.D
Acq On : 23 Oct 2024 12:20
Operator : SY/MD
Sample : VY1023SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 23:05:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda

10/24/2024
Supervised By :Semsettin Yesilyurt

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	228334	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	420481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	359220	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	165743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	166994	59.398	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.800%			
35) Dibromofluoromethane	7.634	113	158432	57.099	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.200%			
50) Toluene-d8	10.109	98	559606	54.614	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.220%			
62) 4-Bromofluorobenzene	12.407	95	200269	54.092	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 108.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35636	16.765	ug/l	94
3) Chloromethane	2.074	50	51598	18.651	ug/l	99
4) Vinyl Chloride	2.208	62	59853	19.660	ug/l	97
5) Bromomethane	2.592	94	41112	21.335	ug/l	95
6) Chloroethane	2.738	64	44191	21.607	ug/l	94
7) Trichlorofluoromethane	3.061	101	95584	21.100	ug/l	95
8) Diethyl Ether	3.458	74	28312	20.564	ug/l	75
9) 1,1,2-Trichlorotrifluo...	3.817	101	57085	21.665	ug/l	89
10) Methyl Iodide	4.006	142	46418	17.418	ug/l #	90
11) Tert butyl alcohol	4.854	59	25965	103.724	ug/l #	85
12) 1,1-Dichloroethene	3.793	96	47789	19.509	ug/l #	80
13) Acrolein	3.659	56	16673	80.707	ug/l	95
14) Allyl chloride	4.391	41	91223	20.640	ug/l #	88
15) Acrylonitrile	5.067	53	73154	116.169	ug/l	98
16) Acetone	3.872	43	83004	113.414	ug/l #	86
17) Carbon Disulfide	4.104	76	91942	14.003	ug/l	100
18) Methyl Acetate	4.397	43	35434	22.475	ug/l #	88
19) Methyl tert-butyl Ether	5.122	73	158778	22.562	ug/l	99
20) Methylene Chloride	4.616	84	57868	20.930	ug/l #	83
21) trans-1,2-Dichloroethene	5.122	96	52886	19.837	ug/l	87
22) Diisopropyl ether	6.018	45	225339	23.407	ug/l #	87
23) Vinyl Acetate	5.963	43	616904	111.778	ug/l #	90
24) 1,1-Dichloroethane	5.915	63	120385	22.496	ug/l	95
25) 2-Butanone	6.890	43	112972	115.321	ug/l #	80
26) 2,2-Dichloropropane	6.890	77	100233	21.031	ug/l	95
27) cis-1,2-Dichloroethene	6.890	96	71565	21.721	ug/l	83
28) Bromochloromethane	7.250	49	53979	22.917	ug/l #	73
29) Tetrahydrofuran	7.262	42	63175	112.944	ug/l #	81
30) Chloroform	7.420	83	129608	23.759	ug/l	99
31) Cyclohexane	7.707	56	89518	19.056	ug/l	90
32) 1,1,1-Trichloroethane	7.616	97	107871	22.564	ug/l	95
36) 1,1-Dichloropropene	7.835	75	79224	19.819	ug/l	94
37) Ethyl Acetate	6.988	43	45952	22.045	ug/l	97
38) Carbon Tetrachloride	7.817	117	85764	20.013	ug/l	96
39) Methylcyclohexane	9.109	83	90459	17.960	ug/l	88
40) Benzene	8.079	78	243387	20.118	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019987.D
Acq On : 23 Oct 2024 12:20
Operator : SY/MD
Sample : VY1023SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 23:05:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
10/24/2024
Supervised By :Semsettin Yesilyurt
10/24/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	26358	23.364	ug/l	#	85
42) 1,2-Dichloroethane	8.158	62	76560	22.028	ug/l		93
43) Isopropyl Acetate	8.201	43	91000	21.407	ug/l	#	75
44) Trichloroethene	8.865	130	56769	19.374	ug/l		84
45) 1,2-Dichloropropane	9.146	63	64928	21.442	ug/l		98
46) Dibromomethane	9.231	93	33459	20.224	ug/l		90
47) Bromodichloromethane	9.426	83	95849	21.827	ug/l	#	97
48) Methyl methacrylate	9.219	41	40548	21.684	ug/l	#	79
49) 1,4-Dioxane	9.225	88	8279	447.113	ug/l	#	98
51) 4-Methyl-2-Pentanone	9.999	43	242857	112.004	ug/l		87
52) Toluene	10.170	92	153964	20.388	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	81507	20.629	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	95106	20.400	ug/l	#	84
55) 1,1,2-Trichloroethane	10.572	97	49121	22.536	ug/l		93
56) Ethyl methacrylate	10.438	69	65637	20.986	ug/l	#	77
57) 1,3-Dichloropropane	10.719	76	83548	21.826	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	154676	106.233	ug/l		94
59) 2-Hexanone	10.761	43	166037	107.214	ug/l		87
60) Dibromochloromethane	10.908	129	58828	21.027	ug/l		97
61) 1,2-Dibromoethane	11.017	107	40573	20.599	ug/l		99
64) Tetrachloroethene	10.645	164	46973	18.384	ug/l		92
65) Chlorobenzene	11.438	112	169018	20.571	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	58398	21.008	ug/l		98
67) Ethyl Benzene	11.517	91	306508	20.536	ug/l		100
68) m/p-Xylenes	11.627	106	223509	40.548	ug/l		91
69) o-Xylene	11.956	106	109070	20.594	ug/l		92
70) Styrene	11.968	104	185851	20.800	ug/l		96
71) Bromoform	12.127	173	30326	20.379	ug/l	#	97
73) Isopropylbenzene	12.255	105	301471	21.625	ug/l		98
74) N-amyl acetate	12.072	43	78264	21.196	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	57221	23.099	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	39912m	12.292	ug/l		
77) Bromobenzene	12.529	156	60828	20.561	ug/l		81
78) n-propylbenzene	12.596	91	366758	21.772	ug/l		96
79) 2-Chlorotoluene	12.676	91	205485	21.277	ug/l		96
80) 1,3,5-Trimethylbenzene	12.737	105	238134	21.151	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.304	75	16770	20.848	ug/l	#	79
82) 4-Chlorotoluene	12.773	91	213621	21.633	ug/l		94
83) tert-Butylbenzene	12.999	119	222024	22.013	ug/l		95
84) 1,2,4-Trimethylbenzene	13.041	105	234511	21.009	ug/l		96
85) sec-Butylbenzene	13.176	105	333139	22.107	ug/l		97
86) p-Isopropyltoluene	13.291	119	259118	21.175	ug/l		94
87) 1,3-Dichlorobenzene	13.285	146	126536	21.180	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	124913	21.283	ug/l		95
89) n-Butylbenzene	13.614	91	259332	21.704	ug/l		98
90) Hexachloroethane	13.883	117	51259	21.512	ug/l		83
91) 1,2-Dichlorobenzene	13.657	146	110711	21.090	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8102	20.494	ug/l		78
93) 1,2,4-Trichlorobenzene	14.919	180	56783	19.291	ug/l		98
94) Hexachlorobutadiene	15.023	225	32870	20.086	ug/l		97
95) Naphthalene	15.145	128	108325	19.512	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	47550	19.110	ug/l		98

Sample Results: **VY019987.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019987.D
Acq On : 23 Oct 2024 12:20
Operator : SY/MD
Sample : VY1023SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 23 23:05:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda
10/24/2024
Supervised By :Semsettin Yesilyurt
10/24/2024

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102324\
Data File : VY019987.D
Acq On : 23 Oct 2024 12:20
Operator : SY/MD
Sample : VY1023SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

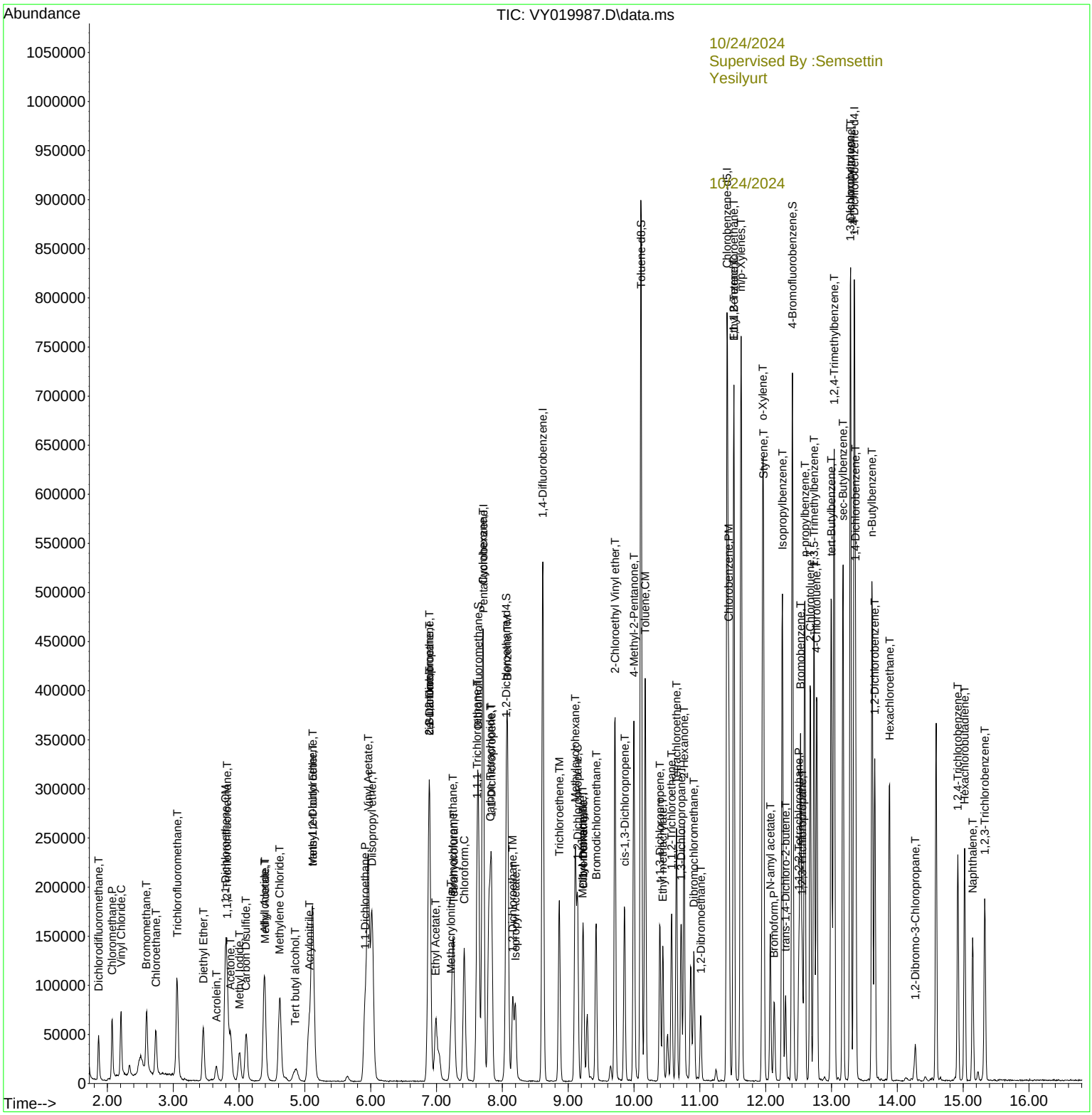
Quant Time: Oct 23 23:05:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1023SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda

10/24/2024
Supervised By :Semsettin Yesilyurt



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	163086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	278516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123457	51.056	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.120%			
35) Dibromofluoromethane	8.165	113	97003	52.829	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	10.565	98	350013	51.812	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.620%			
62) 4-Bromofluorobenzene	12.847	95	129081	52.449	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	32472	16.833	ug/l	93
3) Chloromethane	2.359	50	35804	16.255	ug/l	98
4) Vinyl Chloride	2.512	62	36441	17.080	ug/l	99
5) Bromomethane	2.959	94	23913	16.992	ug/l	99
6) Chloroethane	3.118	64	24475	16.017	ug/l	96
7) Trichlorofluoromethane	3.501	101	63283	19.047	ug/l	90
8) Diethyl Ether	3.959	74	23522	19.089	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	36689	19.273	ug/l	98
10) Methyl Iodide	4.589	142	44167	18.016	ug/l	99
11) Tert butyl alcohol	5.518	59	35053	87.914	ug/l	97
12) 1,1-Dichloroethene	4.342	96	32588	17.747	ug/l	96
13) Acrolein	4.189	56	24397	53.300	ug/l	98
14) Allyl chloride	5.024	41	53083	16.646	ug/l	99
15) Acrylonitrile	5.718	53	102471	101.771	ug/l	97
16) Acetone	4.430	43	95163	91.613	ug/l	94
17) Carbon Disulfide	4.712	76	84276	14.496	ug/l	96
18) Methyl Acetate	5.030	43	54347	24.005	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	122872	19.826	ug/l	98
20) Methylene Chloride	5.271	84	42636	20.192	ug/l	84
21) trans-1,2-Dichloroethene	5.783	96	35388	18.395	ug/l	95
22) Diisopropyl ether	6.671	45	130999	19.859	ug/l	99
23) Vinyl Acetate	6.606	43	504977	103.215	ug/l	99
24) 1,1-Dichloroethane	6.571	63	72128	19.553	ug/l	96
25) 2-Butanone	7.483	43	136944	96.795	ug/l	97
26) 2,2-Dichloropropane	7.489	77	64755	19.469	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	44686	19.222	ug/l	98
28) Bromochloromethane	7.812	49	35788	21.744	ug/l	99
29) Tetrahydrofuran	7.841	42	85661	98.113	ug/l	97
30) Chloroform	7.965	83	76845	20.055	ug/l	97
31) Cyclohexane	8.253	56	58106	16.223	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	68247	19.832	ug/l	96
36) 1,1-Dichloropropene	8.371	75	49846	18.689	ug/l	99
37) Ethyl Acetate	7.559	43	52425	19.160	ug/l	99
38) Carbon Tetrachloride	8.359	117	56628	19.356	ug/l	96
39) Methylcyclohexane	9.600	83	50490	17.009	ug/l	98
40) Benzene	8.606	78	162968	19.612	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	29826	20.079	ug/l		97
42) 1,2-Dichloroethane	8.671	62	58026	20.598	ug/l		99
43) Isopropyl Acetate	8.688	43	88049	16.429	ug/l		97
44) Trichloroethene	9.353	130	37926	19.541	ug/l		97
45) 1,2-Dichloropropane	9.624	63	41049	20.882	ug/l		96
46) Dibromomethane	9.712	93	29187	22.002	ug/l		99
47) Bromodichloromethane	9.888	83	61715	20.940	ug/l		98
48) Methyl methacrylate	9.682	41	40695	19.075	ug/l		97
49) 1,4-Dioxane	9.694	88	16333	415.845	ug/l		97
51) 4-Methyl-2-Pentanone	10.447	43	271816	104.354	ug/l		99
52) Toluene	10.629	92	102809	20.289	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	59188	19.701	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	64640	20.003	ug/l		94
55) 1,1,2-Trichloroethane	11.012	97	40810	22.465	ug/l		96
56) Ethyl methacrylate	10.871	69	59539	19.919	ug/l		98
57) 1,3-Dichloropropane	11.165	76	68931	21.236	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	141699	102.191	ug/l		97
59) 2-Hexanone	11.194	43	198917	102.176	ug/l		99
60) Dibromochloromethane	11.359	129	46724	21.769	ug/l		98
61) 1,2-Dibromoethane	11.471	107	39150	20.741	ug/l		100
64) Tetrachloroethene	11.106	164	34348	19.288	ug/l		94
65) Chlorobenzene	11.888	112	110738	19.535	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	39189	20.071	ug/l		99
67) Ethyl Benzene	11.965	91	184057	18.360	ug/l		99
68) m/p-Xylenes	12.071	106	144045	38.843	ug/l		98
69) o-Xylene	12.400	106	66105	18.841	ug/l		93
70) Styrene	12.412	104	117753	19.814	ug/l		99
71) Bromoform	12.576	173	29825	20.747	ug/l	#	99
73) Isopropylbenzene	12.694	105	173820	18.352	ug/l		99
74) N-amyl acetate	12.494	43	73994	17.252	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	58745	20.627	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	55231m	21.797	ug/l		
77) Bromobenzene	12.976	156	44718	19.574	ug/l		95
78) n-propylbenzene	13.035	91	210981	19.226	ug/l		100
79) 2-Chlorotoluene	13.123	91	129620	18.511	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	148466	19.217	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	18939	17.919	ug/l		99
82) 4-Chlorotoluene	13.218	91	135329	19.198	ug/l		97
83) tert-Butylbenzene	13.435	119	126785	18.464	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	153677	19.745	ug/l		98
85) sec-Butylbenzene	13.618	105	175585	19.162	ug/l		100
86) p-Isopropyltoluene	13.729	119	145633	19.220	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	82553	19.262	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	83788	19.359	ug/l		98
89) n-Butylbenzene	14.059	91	122012	17.758	ug/l		99
90) Hexachloroethane	14.329	117	27657	17.982	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	78881	18.770	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	10881	18.515	ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	38616	18.655	ug/l		99
94) Hexachlorobutadiene	15.506	225	17729	17.175	ug/l		99
95) Naphthalene	15.641	128	115061	16.767	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	37660	18.175	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024

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

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

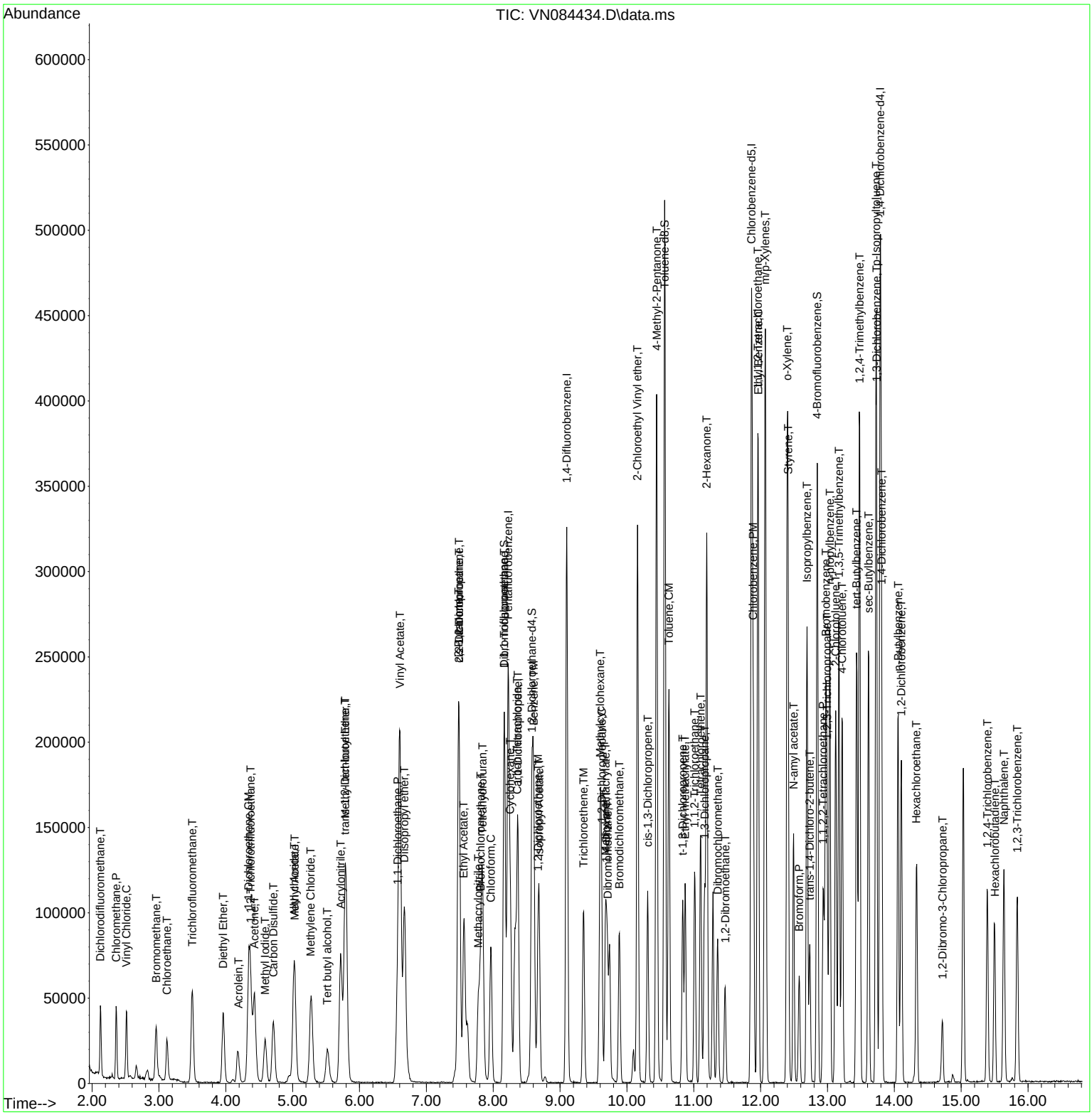
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102124\
Data File : VN084434.D
Acq On : 21 Oct 2024 14:22
Operator : JC\MD
Sample : VN1021WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 22 01:33:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1021WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/22/2024
Supervised By :Mahesh Dadoda 10/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019972.D
Acq On : 22 Oct 2024 11:38
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 01:25:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	222995	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	399190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	345246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	163027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156088	56.848	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.700%			
35) Dibromofluoromethane	7.628	113	147654	56.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.100%			
50) Toluene-d8	10.103	98	518648	53.316	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.640%			
62) 4-Bromofluorobenzene	12.401	95	187461	53.333	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 106.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	36062	17.372	ug/l	95
3) Chloromethane	2.068	50	49606	18.360	ug/l	95
4) Vinyl Chloride	2.202	62	55821	18.775	ug/l	95
5) Bromomethane	2.592	94	38520	20.469	ug/l	97
6) Chloroethane	2.732	64	40229	20.141	ug/l	96
7) Trichlorofluoromethane	3.055	101	87783	19.842	ug/l	97
8) Diethyl Ether	3.458	74	27366	20.353	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.811	101	51895	20.167	ug/l	89
10) Methyl Iodide	4.007	142	42219	16.222	ug/l #	87
11) Tert butyl alcohol	4.866	59	28518	119.003	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	42356	17.705	ug/l #	77
13) Acrolein	3.653	56	17583	87.150	ug/l	99
14) Allyl chloride	4.384	41	84995	19.691	ug/l #	90
15) Acrylonitrile	5.061	53	70363	114.412	ug/l	97
16) Acetone	3.866	43	83428	116.722	ug/l #	80
17) Carbon Disulfide	4.110	76	84222	13.135	ug/l	97
18) Methyl Acetate	4.384	43	34553	22.441	ug/l #	86
19) Methyl tert-butyl Ether	5.110	73	147148	21.410	ug/l	98
20) Methylene Chloride	4.616	84	56646	20.981	ug/l #	78
21) trans-1,2-Dichloroethene	5.110	96	48352	18.570	ug/l #	78
22) Diisopropyl ether	6.018	45	214474	22.812	ug/l #	89
23) Vinyl Acetate	5.957	43	590341	109.526	ug/l #	91
24) 1,1-Dichloroethane	5.915	63	115574	22.114	ug/l	99
25) 2-Butanone	6.896	43	112576	117.668	ug/l #	85
26) 2,2-Dichloropropane	6.884	77	92797	19.937	ug/l	94
27) cis-1,2-Dichloroethene	6.896	96	67380	20.941	ug/l	84
28) Bromochloromethane	7.238	49	51979	22.596	ug/l #	74
29) Tetrahydrofuran	7.262	42	61967	113.437	ug/l #	81
30) Chloroform	7.421	83	119791	22.485	ug/l	96
31) Cyclohexane	7.695	56	79144	17.251	ug/l	89
32) 1,1,1-Trichloroethane	7.616	97	95901	20.540	ug/l #	94
36) 1,1-Dichloropropene	7.835	75	71708	18.895	ug/l	94
37) Ethyl Acetate	6.982	43	44595	22.535	ug/l	97
38) Carbon Tetrachloride	7.817	117	76115	18.709	ug/l	98
39) Methylcyclohexane	9.109	83	83024	17.363	ug/l #	89
40) Benzene	8.079	78	232333	20.229	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019972.D
Acq On : 22 Oct 2024 11:38
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 01:25:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	21915m	20.462	ug/l		
42) 1,2-Dichloroethane	8.158	62	70838	21.468	ug/l		95
43) Isopropyl Acetate	8.195	43	88186	21.851	ug/l	#	88
44) Trichloroethene	8.865	130	53833	19.352	ug/l		93
45) 1,2-Dichloropropane	9.140	63	62406	21.708	ug/l		95
46) Dibromomethane	9.231	93	33185	21.128	ug/l		88
47) Bromodichloromethane	9.420	83	90748	21.768	ug/l	#	93
48) Methyl methacrylate	9.219	41	38855	21.887	ug/l	#	81
49) 1,4-Dioxane	9.231	88	7666	436.089	ug/l	#	92
51) 4-Methyl-2-Pentanone	9.999	43	236937	115.102	ug/l		87
52) Toluene	10.170	92	147740	20.607	ug/l		96
53) t-1,3-Dichloropropene	10.390	75	75805	20.209	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	90917	20.541	ug/l	#	83
55) 1,1,2-Trichloroethane	10.572	97	45713	22.091	ug/l		97
56) Ethyl methacrylate	10.438	69	62657	21.102	ug/l	#	73
57) 1,3-Dichloropropane	10.713	76	79830	21.967	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	140702	101.789	ug/l		92
59) 2-Hexanone	10.761	43	168776	114.795	ug/l		85
60) Dibromochloromethane	10.908	129	56246	21.177	ug/l		100
61) 1,2-Dibromoethane	11.011	107	38498	20.588	ug/l		98
64) Tetrachloroethene	10.646	164	44825	18.254	ug/l		93
65) Chlorobenzene	11.438	112	159172	20.157	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	57723	21.605	ug/l		96
67) Ethyl Benzene	11.517	91	286431	19.968	ug/l		100
68) m/p-Xylenes	11.627	106	206259	38.933	ug/l		90
69) o-Xylene	11.950	106	100341	19.713	ug/l		90
70) Styrene	11.969	104	175410	20.426	ug/l		95
71) Bromoform	12.127	173	28873	20.187	ug/l	#	100
73) Isopropylbenzene	12.249	105	276863	20.190	ug/l		97
74) N-amyl acetate	12.066	43	77748	21.407	ug/l	#	85
75) 1,1,2,2-Tetrachloroethane	12.505	83	56863	23.337	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	35412m	11.088	ug/l		
77) Bromobenzene	12.529	156	58372	20.060	ug/l		82
78) n-propylbenzene	12.590	91	343357	20.722	ug/l		96
79) 2-Chlorotoluene	12.676	91	196135	20.648	ug/l		93
80) 1,3,5-Trimethylbenzene	12.731	105	222638	20.104	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.298	75	15335	19.381	ug/l	#	78
82) 4-Chlorotoluene	12.773	91	200305	20.623	ug/l		94
83) tert-Butylbenzene	12.993	119	203727	20.535	ug/l		93
84) 1,2,4-Trimethylbenzene	13.041	105	222492	20.264	ug/l		96
85) sec-Butylbenzene	13.169	105	308477	20.811	ug/l		96
86) p-Isopropyltoluene	13.291	119	243006	20.190	ug/l		95
87) 1,3-Dichlorobenzene	13.285	146	119217	20.287	ug/l		96
88) 1,4-Dichlorobenzene	13.365	146	118139	20.464	ug/l		96
89) n-Butylbenzene	13.615	91	244627	20.814	ug/l		97
90) Hexachloroethane	13.877	117	48467	20.680	ug/l		87
91) 1,2-Dichlorobenzene	13.657	146	106590	20.643	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.267	75	8487	21.825	ug/l		69
93) 1,2,4-Trichlorobenzene	14.919	180	56103	19.377	ug/l		98
94) Hexachlorobutadiene	15.017	225	31492	19.564	ug/l		99
95) Naphthalene	15.139	128	106373	19.480	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	46528	19.011	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019972.D
Acq On : 22 Oct 2024 11:38
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 01:25:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024

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

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

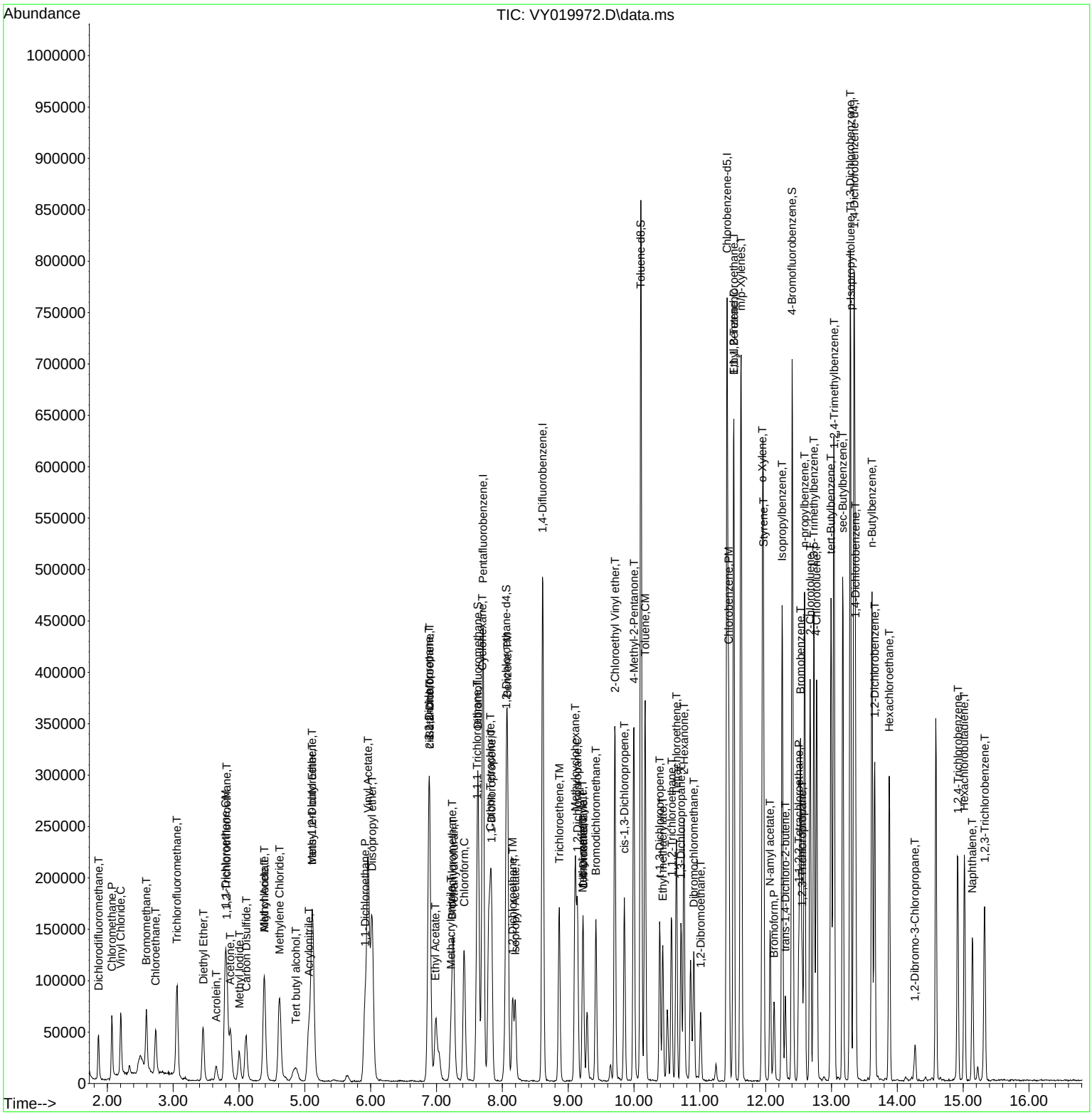
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102224\
Data File : VY019972.D
Acq On : 22 Oct 2024 11:38
Operator : SY/MD
Sample : VY1022SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 23 01:25:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1022SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/23/2024
Supervised By :Mahesh Dadoda 10/23/2024



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Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084213.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:48 AM	MMDadoda	10/1/2024 5:34:17 PM	Peak Integrated by Software
VSTDICCC050	VN084214.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:52 AM	MMDadoda	10/1/2024 5:34:19 PM	Peak Integrated by Software
VSTDICC020	VN084215.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:36:57 AM	MMDadoda	10/1/2024 5:34:21 PM	Peak Integrated by Software
VSTDICC010	VN084216.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:06 AM	MMDadoda	10/1/2024 5:34:22 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,1,2-Trichlorotrifluoroethane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	trans-1,2-Dichloroethene	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC005	VN084217.D	Vinyl Acetate	JOHN	10/1/2024 9:37:11 AM	MMDadoda	10/1/2024 5:34:24 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	1,4-Dichlorobenzene	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Allyl chloride	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICC001	VN084218.D	Isopropyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn093024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN084218.D	Vinyl Acetate	JOHN	10/1/2024 9:37:57 AM	MMDadoda	10/1/2024 5:34:25 PM	Peak Integrated by Software
VSTDICV050	VN084220.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:01 AM	MMDadoda	10/1/2024 5:34:27 PM	Peak Integrated by Software
VSTDCCC050	VN084229.D	1,2,3-Trichloropropane	JOHN	10/1/2024 9:38:17 AM	MMDadoda	10/1/2024 5:34:32 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn102124	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084428.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:28 AM	MMDadoda	10/22/2024 3:37:06 PM	Peak Integrated by Software
VN1021WBS01	VN084433.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:37 AM	MMDadoda	10/22/2024 3:37:07 PM	Peak Integrated by Software
VN1021WBSD01	VN084434.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:41 AM	MMDadoda	10/22/2024 3:37:09 PM	Peak Integrated by Software
VSTDCCC050	VN084448.D	1,2,3-Trichloropropane	JOHN	10/22/2024 9:41:59 AM	MMDadoda	10/22/2024 3:37:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY100924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY019827.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:35 AM	MMDadoda	10/10/2024 10:09:23 PM	Peak Integrated by Software
VSTDICC010	VY019828.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:39 AM	MMDadoda	10/10/2024 10:09:24 PM	Peak Integrated by Software
VSTDICC020	VY019829.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:29:24 AM	MMDadoda	10/10/2024 10:09:26 PM	Peak Integrated by Software
VSTDICCC050	VY019830.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:44 AM	MMDadoda	10/10/2024 10:09:28 PM	Peak Integrated by Software
VSTDICC100	VY019831.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:48 AM	MMDadoda	10/10/2024 10:09:30 PM	Peak Integrated by Software
VSTDICC150	VY019832.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:51 AM	MMDadoda	10/10/2024 10:09:32 PM	Peak Integrated by Software
VSTDICV050	VY019834.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:56 AM	MMDadoda	10/10/2024 10:09:33 PM	Peak Integrated by Software
VSTDCCC050	VY019842.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:29:13 AM	MMDadoda	10/10/2024 10:09:40 PM	Peak Integrated by Software
VSTDCCC050	VY019842.D	Methacrylonitrile	Romaben	10/10/2024 10:29:13 AM	MMDadoda	10/10/2024 10:09:40 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY102224	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY019969.D	1,2,3-Trichloropropane	Romaben	10/23/2024 10:52:55 AM	MMDadoda	10/23/2024 1:02:18 PM	Peak Integrated by Software
VY1022SBS01	VY019971.D	1,2,3-Trichloropropane	Romaben	10/23/2024 10:52:58 AM	MMDadoda	10/23/2024 1:02:19 PM	Peak Integrated by Software
VY1022SBS01	VY019971.D	Tert butyl alcohol	Romaben	10/23/2024 10:52:58 AM	MMDadoda	10/23/2024 1:02:19 PM	Peak Integrated by Software
VY1022SBSD01	VY019972.D	1,2,3-Trichloropropane	Romaben	10/23/2024 10:53:03 AM	MMDadoda	10/23/2024 1:02:21 PM	Peak Integrated by Software
VY1022SBSD01	VY019972.D	Methacrylonitrile	Romaben	10/23/2024 10:53:03 AM	MMDadoda	10/23/2024 1:02:21 PM	Peak Integrated by Software
VSTDCCC050	VY019983.D	1,2,3-Trichloropropane	Romaben	10/23/2024 10:53:10 AM	MMDadoda	10/23/2024 1:02:24 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY102324	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY019985.D	1,2,3-Trichloropropane	MMDadoda	10/24/2024 2:47:23 PM	SAM	10/24/2024 2:50:07 PM	Peak Integrated by Software
VY1023SBS01	VY019987.D	1,2,3-Trichloropropane	MMDadoda	10/24/2024 2:47:23 PM	SAM	10/24/2024 2:50:07 PM	Peak Integrated by Software
VSTDCCC050	VY019999.D	1,2,3-Trichloropropane	MMDadoda	10/24/2024 2:47:26 PM	SAM	10/24/2024 2:50:10 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084211.D	30 Sep 2024 09:24	JC\MD	Ok
2	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	JC\MD	Not Ok
3	VSTDICC100	VN084213.D	30 Sep 2024 12:25	JC\MD	Ok,M
4	VSTDICCC050	VN084214.D	30 Sep 2024 12:49	JC\MD	Ok,M
5	VSTDICC020	VN084215.D	30 Sep 2024 13:13	JC\MD	Ok,M
6	VSTDICC010	VN084216.D	30 Sep 2024 13:37	JC\MD	Ok,M
7	VSTDICC005	VN084217.D	30 Sep 2024 14:00	JC\MD	Ok,M
8	VSTDICC001	VN084218.D	30 Sep 2024 14:48	JC\MD	Ok,M
9	IBLK	VN084219.D	30 Sep 2024 15:12	JC\MD	Ok
10	VSTDICV050	VN084220.D	30 Sep 2024 15:36	JC\MD	Ok,M
11	VN0930MBL01	VN084221.D	30 Sep 2024 16:11	JC\MD	Ok
12	VN0930WBL01	VN084222.D	30 Sep 2024 16:35	JC\MD	Ok
13	VN0930WBS01	VN084223.D	30 Sep 2024 17:42	JC\MD	Ok,M
14	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06	JC\MD	Ok,M
15	P4116-24	VN084225.D	30 Sep 2024 18:30	JC\MD	Dilution
16	P4116-25	VN084226.D	30 Sep 2024 18:54	JC\MD	Dilution
17	P4116-26	VN084227.D	30 Sep 2024 19:18	JC\MD	Dilution
18	P4116-27	VN084228.D	30 Sep 2024 19:42	JC\MD	Dilution
19	VSTDCCC050	VN084229.D	30 Sep 2024 20:06	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084427.D	21 Oct 2024 11:14	JC\MD	Ok
2	VSTDCCC050	VN084428.D	21 Oct 2024 11:38	JC\MD	Ok,M
3	VN1021MBL01	VN084429.D	21 Oct 2024 12:12	JC\MD	Ok
4	VN1021WBL01	VN084430.D	21 Oct 2024 12:36	JC\MD	Ok
5	VN1021MBS01	VN084431.D	21 Oct 2024 13:00	JC\MD	Not Ok
6	P4417-04	VN084432.D	21 Oct 2024 13:24	JC\MD	Ok
7	VN1021WBS01	VN084433.D	21 Oct 2024 13:48	JC\MD	Ok,M
8	VN1021WBSD01	VN084434.D	21 Oct 2024 14:22	JC\MD	Ok,M
9	P4438-03	VN084435.D	21 Oct 2024 14:53	JC\MD	Ok
10	P4438-01	VN084436.D	21 Oct 2024 15:17	JC\MD	Ok
11	P4440-02	VN084437.D	21 Oct 2024 15:41	JC\MD	Ok
12	P4438-02	VN084438.D	21 Oct 2024 16:05	JC\MD	Ok
13	P4438-04	VN084439.D	21 Oct 2024 16:29	JC\MD	Ok
14	P4438-05	VN084440.D	21 Oct 2024 16:53	JC\MD	Ok
15	P4438-06	VN084441.D	21 Oct 2024 17:17	JC\MD	Ok
16	P4438-07	VN084442.D	21 Oct 2024 17:40	JC\MD	Ok
17	P4440-01	VN084443.D	21 Oct 2024 18:04	JC\MD	Ok
18	P4471-03	VN084444.D	21 Oct 2024 18:28	JC\MD	Ok
19	P4460-05	VN084445.D	21 Oct 2024 18:52	JC\MD	Ok
20	P4460-06	VN084446.D	21 Oct 2024 19:16	JC\MD	Ok
21	VN1021MBS02	VN084447.D	21 Oct 2024 19:40	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VN084448.D	21 Oct 2024 20:04	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100924

Review By	Mahesh Dadoda	Review On	10/10/2024 10:09:46 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2024 10:11:49 PM				
SubDirectory	VY100924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP130736
Initial Calibration Stds	VP130737,VP130738,VP130739,VP130740,VP130741,VP130742
CCC	VP130744,VP130745
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130746
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019826.D	09 Oct 2024 09:33	SY/MD	Ok
2	VSTDICC005	VY019827.D	09 Oct 2024 10:18	SY/MD	Ok,M
3	VSTDICC010	VY019828.D	09 Oct 2024 10:41	SY/MD	Ok,M
4	VSTDICC020	VY019829.D	09 Oct 2024 11:04	SY/MD	Ok,M
5	VSTDICCC050	VY019830.D	09 Oct 2024 11:26	SY/MD	Ok,M
6	VSTDICC100	VY019831.D	09 Oct 2024 11:49	SY/MD	Ok,M
7	VSTDICC150	VY019832.D	09 Oct 2024 12:11	SY/MD	Ok,M
8	VIBLK	VY019833.D	09 Oct 2024 12:35	SY/MD	Ok
9	VSTDICV050	VY019834.D	09 Oct 2024 15:25	SY/MD	Ok,M
10	VY1009SBL01	VY019835.D	09 Oct 2024 16:11	SY/MD	Ok
11	VY1009SBS01	VY019836.D	09 Oct 2024 16:41	SY/MD	Ok,M
12	VY1009SBSD01	VY019837.D	09 Oct 2024 17:04	SY/MD	Ok,M
13	P4343-01	VY019838.D	09 Oct 2024 17:27	SY/MD	Not Ok
14	P4353-02	VY019839.D	09 Oct 2024 17:51	SY/MD	Ok
15	P4359-01	VY019840.D	09 Oct 2024 18:14	SY/MD	Ok
16	P4344-01	VY019841.D	09 Oct 2024 18:38	SY/MD	Ok
17	VSTDCCC050	VY019842.D	09 Oct 2024 19:00	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102224

Review By	Mahesh Dadoda	Review On	10/23/2024 1:02:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/24/2024 6:36:46 AM		
SubDirectory	VY102224	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131009
Initial Calibration Stds	
CCC	VP131010,VP131011
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019968.D	22 Oct 2024 08:49	SY/MD	Ok
2	VSTDCCC050	VY019969.D	22 Oct 2024 10:01	SY/MD	Ok,M
3	VY1022SBL01	VY019970.D	22 Oct 2024 10:36	SY/MD	Ok
4	VY1022SBS01	VY019971.D	22 Oct 2024 11:16	SY/MD	Ok,M
5	VY1022SBSD01	VY019972.D	22 Oct 2024 11:38	SY/MD	Ok,M
6	P4460-03	VY019973.D	22 Oct 2024 12:02	SY/MD	Ok,M
7	P4467-03	VY019974.D	22 Oct 2024 12:26	SY/MD	Ok
8	P4460-02	VY019975.D	22 Oct 2024 12:49	SY/MD	Ok
9	P4472-06	VY019976.D	22 Oct 2024 13:13	SY/MD	Ok
10	P4472-02	VY019977.D	22 Oct 2024 13:36	SY/MD	Ok
11	VIBLK	VY019978.D	22 Oct 2024 13:59	SY/MD	Ok
12	P4471-01	VY019979.D	22 Oct 2024 14:23	SY/MD	Ok
13	P4471-02	VY019980.D	22 Oct 2024 14:46	SY/MD	ReRun
14	P4470-01	VY019981.D	22 Oct 2024 15:58	SY/MD	Ok
15	P4474-01	VY019982.D	22 Oct 2024 16:21	SY/MD	ReRun
16	VSTDCCC050	VY019983.D	22 Oct 2024 16:44	SY/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102324

Review By	Mahesh Dadoda	Review On	10/24/2024 2:47:28 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/24/2024 2:50:12 PM				
SubDirectory	VY102324	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131048
Initial Calibration Stds	
CCC	VP131049,VP131050
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019984.D	23 Oct 2024 08:51	SY/MD	Ok
2	VSTDCCC050	VY019985.D	23 Oct 2024 10:58	SY/MD	Ok,M
3	VY1023SBL01	VY019986.D	23 Oct 2024 11:35	SY/MD	Ok
4	VY1023SBS01	VY019987.D	23 Oct 2024 12:20	SY/MD	Ok,M
5	VY1023SBSD01	VY019988.D	23 Oct 2024 12:43	SY/MD	Ok,M
6	P4487-07	VY019989.D	23 Oct 2024 13:12	SY/MD	Ok
7	P4487-05	VY019990.D	23 Oct 2024 13:35	SY/MD	Ok
8	P4487-03	VY019991.D	23 Oct 2024 13:59	SY/MD	Ok
9	P4487-01	VY019992.D	23 Oct 2024 14:22	SY/MD	ReRun
10	P4471-02	VY019993.D	23 Oct 2024 14:45	SY/MD	Ok
11	P4486-01	VY019994.D	23 Oct 2024 15:09	SY/MD	ReRun
12	P4473-01	VY019995.D	23 Oct 2024 15:32	SY/MD	ReRun
13	P4474-01RE	VY019996.D	23 Oct 2024 15:56	SY/MD	Confirms
14	P4489-01	VY019997.D	23 Oct 2024 16:19	SY/MD	Dilution
15	VIBLK	VY019998.D	23 Oct 2024 16:43	SY/MD	Ok
16	VSTDCCC050	VY019999.D	23 Oct 2024 17:05	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084211.D	30 Sep 2024 09:24		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084212.D	30 Sep 2024 11:45	Need ICAL	JC\MD	Not Ok
3	VSTDICC100	VSTDICC100	VN084213.D	30 Sep 2024 12:25		JC\MD	Ok,M
4	VSTDICCC050	VSTDICCC050	VN084214.D	30 Sep 2024 12:49		JC\MD	Ok,M
5	VSTDICC020	VSTDICC020	VN084215.D	30 Sep 2024 13:13		JC\MD	Ok,M
6	VSTDICC010	VSTDICC010	VN084216.D	30 Sep 2024 13:37		JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN084217.D	30 Sep 2024 14:00		JC\MD	Ok,M
8	VSTDICC001	VSTDICC001	VN084218.D	30 Sep 2024 14:48		JC\MD	Ok,M
9	IBLK	IBLK	VN084219.D	30 Sep 2024 15:12		JC\MD	Ok
10	VSTDICV050	ICVVN093024	VN084220.D	30 Sep 2024 15:36		JC\MD	Ok,M
11	VN0930MBL01	VN0930MBL01	VN084221.D	30 Sep 2024 16:11		JC\MD	Ok
12	VN0930WBL01	VN0930WBL01	VN084222.D	30 Sep 2024 16:35		JC\MD	Ok
13	VN0930WBS01	VN0930WBS01	VN084223.D	30 Sep 2024 17:42		JC\MD	Ok,M
14	VN0930WBSD01	VN0930WBSD01	VN084224.D	30 Sep 2024 18:06		JC\MD	Ok,M
15	P4116-24	RE132D5-20240918	VN084225.D	30 Sep 2024 18:30	vial A pH<2 Need 2x	JC\MD	Dilution
16	P4116-25	RE132D6-20240918	VN084226.D	30 Sep 2024 18:54	vial A pH<2 Need 40X	JC\MD	Dilution
17	P4116-26	RE132D7-20240918	VN084227.D	30 Sep 2024 19:18	vial A pH<2 Need 40X	JC\MD	Dilution
18	P4116-27	DUP05-20240918	VN084228.D	30 Sep 2024 19:42	vial A pH<2 Need 2x	JC\MD	Dilution

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN093024

Review By	John Carlone	Review On	10/1/2024 9:40:01 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/1/2024 5:34:39 PM		
SubDirectory	VN093024	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130570
Initial Calibration Stds	VP130580,VP130582,VP130583,VP130584,VP130585,VP130586
CCC	VP130571,VP130572
Internal Standard/PEM	
ICV/I.BLK	VP130587
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VN084229.D	30 Sep 2024 20:06		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
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	VN084427.D	21 Oct 2024 11:14		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084428.D	21 Oct 2024 11:38	V13516	JC\MD	Ok,M
3	VN1021MBL01	VN1021MBL01	VN084429.D	21 Oct 2024 12:12		JC\MD	Ok
4	VN1021WBL01	VN1021WBL01	VN084430.D	21 Oct 2024 12:36		JC\MD	Ok
5	VN1021MBS01	VN1021MBS01	VN084431.D	21 Oct 2024 13:00	Recovery failed	JC\MD	Not Ok
6	P4417-04	HOPPER-B-SOLID	VN084432.D	21 Oct 2024 13:24		JC\MD	Ok
7	VN1021WBS01	VN1021WBS01	VN084433.D	21 Oct 2024 13:48		JC\MD	Ok,M
8	VN1021WBSD01	VN1021WBSD01	VN084434.D	21 Oct 2024 14:22		JC\MD	Ok,M
9	P4438-03	VPB190-HYD-2024101	VN084435.D	21 Oct 2024 14:53	vial B pH<2	JC\MD	Ok
10	P4438-01	BP-VPB-190-TB-20241	VN084436.D	21 Oct 2024 15:17	vial B pH<2 TB	JC\MD	Ok
11	P4440-02	BPOW6-11-TB-202410	VN084437.D	21 Oct 2024 15:41	vial B pH<2 TB	JC\MD	Ok
12	P4438-02	BP-VPB-190-EB-20241	VN084438.D	21 Oct 2024 16:05	vial B pH<2 EB	JC\MD	Ok
13	P4438-04	BP-VPB-190-GW-58-60	VN084439.D	21 Oct 2024 16:29	vial B pH<2	JC\MD	Ok
14	P4438-05	BP-VPB-190-GW-98-10	VN084440.D	21 Oct 2024 16:53	vial B pH<2	JC\MD	Ok
15	P4438-06	BP-VPB-190-GW-158-1	VN084441.D	21 Oct 2024 17:17	vial B pH<2	JC\MD	Ok
16	P4438-07	BP-VPB-190-GW-198-2	VN084442.D	21 Oct 2024 17:40	vial B pH<2	JC\MD	Ok
17	P4440-01	BPOW6-11-HYD-20241	VN084443.D	21 Oct 2024 18:04	vial B pH<2	JC\MD	Ok
18	P4471-03	TB100824	VN084444.D	21 Oct 2024 18:28	vial A pH<2 TB	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN102124

Review By	John Carlone	Review On	10/22/2024 9:50:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/22/2024 3:37:17 PM		
SubDirectory	VN102124	HP Acquire Method		HP Processing Method	82N093024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP130983
Initial Calibration Stds	
CCC	VP130986,VP130987
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4460-05	TB-10182024	VN084445.D	21 Oct 2024 18:52	vial A pH<2 TB	JC\MD	Ok
20	P4460-06	WB-303-SW	VN084446.D	21 Oct 2024 19:16	vial A pH<2	JC\MD	Ok
21	VN1021MBS02	VN1021MBS02	VN084447.D	21 Oct 2024 19:40		JC\MD	Ok,M
22	VSTDCCC050	VSTDCCC050EC	VN084448.D	21 Oct 2024 20:04		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100924

Review By	Mahesh Dadoda	Review On	10/10/2024 10:09:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2024 10:11:49 PM		
SubDirectory	VY100924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130736
Initial Calibration Stds	VP130737,VP130738,VP130739,VP130740,VP130741,VP130742
CCC	VP130744,VP130745
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130746
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019826.D	09 Oct 2024 09:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY019827.D	09 Oct 2024 10:18		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY019828.D	09 Oct 2024 10:41		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY019829.D	09 Oct 2024 11:04		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY019830.D	09 Oct 2024 11:26	Comp. #11 is on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY019831.D	09 Oct 2024 11:49		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY019832.D	09 Oct 2024 12:11		SY/MD	Ok,M
8	VIBLK	VIBLK	VY019833.D	09 Oct 2024 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY100924	VY019834.D	09 Oct 2024 15:25		SY/MD	Ok,M
10	VY1009SBL01	VY1009SBL01	VY019835.D	09 Oct 2024 16:11		SY/MD	Ok
11	VY1009SBS01	VY1009SBS01	VY019836.D	09 Oct 2024 16:41		SY/MD	Ok,M
12	VY1009SBSD01	VY1009SBSD01	VY019837.D	09 Oct 2024 17:04		SY/MD	Ok,M
13	P4343-01	EO-03-100724	VY019838.D	09 Oct 2024 17:27	vial-B Not purged	SY/MD	Not Ok
14	P4353-02	CF-400-VOC-43	VY019839.D	09 Oct 2024 17:51	vial-A	SY/MD	Ok
15	P4359-01	EXCAVATION-SOIL	VY019840.D	09 Oct 2024 18:14	vial-A	SY/MD	Ok
16	P4344-01	TR-05-100724	VY019841.D	09 Oct 2024 18:38	vial-B	SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY019842.D	09 Oct 2024 19:00		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102224

Review By	Mahesh Dadoda	Review On	10/23/2024 1:02:15 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/24/2024 6:36:46 AM		
SubDirectory	VY102224	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131009
Initial Calibration Stds	
CCC	VP131010,VP131011
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019968.D	22 Oct 2024 08:49		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY019969.D	22 Oct 2024 10:01		SY/MD	Ok,M
3	VY1022SBL01	VY1022SBL01	VY019970.D	22 Oct 2024 10:36		SY/MD	Ok
4	VY1022SBS01	VY1022SBS01	VY019971.D	22 Oct 2024 11:16		SY/MD	Ok,M
5	VY1022SBSD01	VY1022SBSD01	VY019972.D	22 Oct 2024 11:38		SY/MD	Ok,M
6	P4460-03	WB-303-BOT	VY019973.D	22 Oct 2024 12:02	vial-B	SY/MD	Ok,M
7	P4467-03	TP-1-VOC	VY019974.D	22 Oct 2024 12:26	vial-B	SY/MD	Ok
8	P4460-02	WB-303-TOP	VY019975.D	22 Oct 2024 12:49	vial-B	SY/MD	Ok
9	P4472-06	BP-F-6-VOC	VY019976.D	22 Oct 2024 13:13	vial-B	SY/MD	Ok
10	P4472-02	BP-F-28-VOC	VY019977.D	22 Oct 2024 13:36	vial-B	SY/MD	Ok
11	VIBLK	VIBLK	VY019978.D	22 Oct 2024 13:59	Clean up	SY/MD	Ok
12	P4471-01	B-180-SB01	VY019979.D	22 Oct 2024 14:23	vial-A	SY/MD	Ok
13	P4471-02	B-180-SB02	VY019980.D	22 Oct 2024 14:46	vial-A Internal standard fail	SY/MD	ReRun
14	P4470-01	CL-01-102124	VY019981.D	22 Oct 2024 15:58	vial-A	SY/MD	Ok
15	P4474-01	TS-2	VY019982.D	22 Oct 2024 16:21	vial-A Internal standard fail	SY/MD	ReRun
16	VSTDCCC050	VSTDCCC050EC	VY019983.D	22 Oct 2024 16:44		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102324

Review By	Mahesh Dadoda	Review On	10/24/2024 2:47:28 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/24/2024 2:50:12 PM		
SubDirectory	VY102324	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131048
Initial Calibration Stds	
CCC	VP131049,VP131050
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019984.D	23 Oct 2024 08:51		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY019985.D	23 Oct 2024 10:58		SY/MD	Ok,M
3	VY1023SBL01	VY1023SBL01	VY019986.D	23 Oct 2024 11:35		SY/MD	Ok
4	VY1023SBS01	VY1023SBS01	VY019987.D	23 Oct 2024 12:20		SY/MD	Ok,M
5	VY1023SBSD01	VY1023SBSD01	VY019988.D	23 Oct 2024 12:43		SY/MD	Ok,M
6	P4487-07	BP-B27-VOC	VY019989.D	23 Oct 2024 13:12	vial-A	SY/MD	Ok
7	P4487-05	BP-F27	VY019990.D	23 Oct 2024 13:35	vial-A	SY/MD	Ok
8	P4487-03	BP-B5-VOC	VY019991.D	23 Oct 2024 13:59	vial-A	SY/MD	Ok
9	P4487-01	BP-B5	VY019992.D	23 Oct 2024 14:22	Internal Standard Fail vial-A	SY/MD	ReRun
10	P4471-02	B-180-SB02	VY019993.D	23 Oct 2024 14:45	vial-B	SY/MD	Ok
11	P4486-01	EO-03-102224	VY019994.D	23 Oct 2024 15:09	Internal Standard Fail vial-A	SY/MD	ReRun
12	P4473-01	TS-1	VY019995.D	23 Oct 2024 15:32	Internal Standard Fail vial-A	SY/MD	ReRun
13	P4474-01RE	TS-2RE	VY019996.D	23 Oct 2024 15:56	Internal Standard Fail vial-B	SY/MD	Confirms
14	P4489-01	RT-2675	VY019997.D	23 Oct 2024 16:19	vial- A Internal Standard Fail; Need MEOH	SY/MD	Dilution
15	VIBLK	VIBLK	VY019998.D	23 Oct 2024 16:43		SY/MD	Ok
16	VSTDCCC050	VSTDCCC050EC	VY019999.D	23 Oct 2024 17:05		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4471	**OrderDate:**	10/21/2024 1:01:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	J61,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4471-01	**B-180-SB01**	**SOIL**			**10/19/24**			**10/21/24**
			VOC-TCLVOA-10	8260D			10/22/24	
P4471-02	**B-180-SB02**	**SOIL**			**10/20/24**			**10/21/24**
			VOC-TCLVOA-10	8260D			10/23/24	
P4471-03	**TB100824**	**Water**			**10/08/24**			**10/21/24**
			VOC-TCLVOA-10	8260-Low			10/21/24	