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.: Q2198

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**B-202-SB02**								
Q2198-01	B-202-SB02	SOIL	Acetone		14.2	J	4.10	21.6	ug/Kg
Q2198-01	B-202-SB02	SOIL	Carbon Disulfide		3.10	J	0.91	4.30	ug/Kg
Q2198-01	B-202-SB02	SOIL	Methylene Chloride		3.50	J	3.00	8.60	ug/Kg
			Total Voc :		20.8				
Q2198-01	B-202-SB02	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	39.3	J	0	0	ug/Kg
Q2198-01	B-202-SB02	SOIL	Benzene, 1,2,3,5-tetramethyl-	*	31.4	J	0	0	ug/Kg
Q2198-01	B-202-SB02	SOIL	Benzene, 1-ethyl-2,4-dimethyl-	*	35.9	J	0	0	ug/Kg
Q2198-01	B-202-SB02	SOIL	Benzene, 1-ethyl-2,3-dimethyl-	*	14.4	J	0	0	ug/Kg
Q2198-01	B-202-SB02	SOIL	3-Phenylbut-1-ene	*	12.2	J	0	0	ug/Kg
Q2198-01	B-202-SB02	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	*	34.6	J	0	0	ug/Kg
Q2198-01	B-202-SB02	SOIL	Benzene, 1,3-diethyl-5-methyl-	*	14.6	J	0	0	ug/Kg
Q2198-01	B-202-SB02	SOIL	Benzene, 2-ethyl-1,3-dimethyl-	*	14.3	J	0	0	ug/Kg
Q2198-01	B-202-SB02	SOIL	Benzene, 1-ethyl-4-(1-methylet	*	21.1	J	0	0	ug/Kg
Q2198-01	B-202-SB02	SOIL	1,4-Cyclohexadiene, 3-ethenyl-	*	12.3	J	0	0	ug/Kg
Q2198-01	B-202-SB02	SOIL	n-Butylbenzene	*	2.20	J	1.30	4.30	ug/Kg
			Total Tics :		232				
			Total Concentration:		253				
Client ID:	**B-207-SB02**								
Q2198-03	B-207-SB02	SOIL	Acetone		71.8		9.30	49.3	ug/Kg
Q2198-03	B-207-SB02	SOIL	Carbon Disulfide		3.40	J	2.10	9.90	ug/Kg
Q2198-03	B-207-SB02	SOIL	2-Butanone		14.8	J	12.9	49.3	ug/Kg
			Total Voc :		90.0				
			Total Concentration:		90.0				
Client ID:	**B-202-GW01**								
Q2198-05	B-202-GW01	Water	Acetone		6.60		1.50	5.00	ug/L
Q2198-05	B-202-GW01	Water	Toluene		1.20		0.14	1.00	ug/L
Q2198-05	B-202-GW01	Water	m/p-Xylenes		2.00		0.24	2.00	ug/L
			Total Voc :		9.80				
Q2198-05	B-202-GW01	Water	Benzene, 1,2,4,5-tetramethyl-	*	9.30	J	0	0	ug/L
Q2198-05	B-202-GW01	Water	Benzene, 1,2,3,4-tetramethyl-	*	5.50	J	0	0	ug/L
Q2198-05	B-202-GW01	Water	o-Cymene	*	5.60	J	0	0	ug/L
Q2198-05	B-202-GW01	Water	1-Phenyl-1-butene	*	8.90	J	0	0	ug/L
Q2198-05	B-202-GW01	Water	Sulfur dioxide	*	6.20	J	0	0	ug/L
Q2198-05	B-202-GW01	Water	1,2,4-Trimethylbenzene	*	0.39	J	0.14	1.00	ug/L
			Total Tics :		35.9				
			Total Concentration:		45.7				

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Hit Summary Sheet
SW-846

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

SAMPLE DATA

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	71.9
Sample Wt/Vol:	8.06 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
VY022552.D	1		06/04/25 15:47	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U	0.98	4.30	ug/Kg
74-87-3	Chloromethane	0.98	U	0.98	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.30	ug/Kg
74-83-9	Bromomethane	0.92	U	0.92	4.30	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	4.30	ug/Kg
67-64-1	Acetone	14.2	J	4.10	21.6	ug/Kg
75-15-0	Carbon Disulfide	3.10	J	0.91	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.30	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.30	ug/Kg
75-09-2	Methylene Chloride	3.50	J	3.00	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.30	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	0.99	U	0.99	4.30	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	4.30	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	4.30	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.79	U	0.79	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.67	U	0.67	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.6	ug/Kg
108-88-3	Toluene	0.67	U	0.67	4.30	ug/Kg

Raw Data: **VY022552.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	71.9
Sample Wt/Vol:	8.06 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
VY022552.D	1		06/04/25 15:47	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.53	U	0.53	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.79	U	0.79	4.30	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.6	ug/Kg
124-48-1	Dibromochloromethane	0.75	U	0.75	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.76	U	0.76	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.91	U	0.91	4.30	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.60	ug/Kg
95-47-6	o-Xylene	0.71	U	0.71	4.30	ug/Kg
100-42-5	Styrene	0.61	U	0.61	4.30	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.8		70 (63) - 130 (155)	90%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.0		70 (17) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	276000	7.707			
540-36-3	1,4-Difluorobenzene	492000	8.61			
3114-55-4	Chlorobenzene-d5	375000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	71.9
Sample Wt/Vol:	8.06 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
VY022552.D	1		06/04/25 15:47	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
104-51-8	n-Butylbenzene	2.20	J		13.6	ug/Kg
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	14.4	J		13.8	ug/Kg
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	14.3	J		13.8	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	34.6	J		13.9	ug/Kg
062338-57-2	1,4-Cyclohexadiene, 3-ethenyl-1,2-	12.3	J		14.0	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	31.4	J		14.2	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	39.3	J		14.2	ug/Kg
002050-24-0	Benzene, 1,3-diethyl-5-methyl-	14.6	J		14.3	ug/Kg
000934-10-1	3-Phenylbut-1-ene	12.2	J		14.5	ug/Kg
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	35.9	J		14.6	ug/Kg
004218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)	21.1	J		14.9	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: **VY022553.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/01/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-207-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.1
Sample Wt/Vol:	4.87 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
VY022553.D	1		06/04/25 16:11	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	U	2.20	9.90	ug/Kg
74-87-3	Chloromethane	2.20	U	2.20	9.90	ug/Kg
75-01-4	Vinyl Chloride	1.60	U	1.60	9.90	ug/Kg
74-83-9	Bromomethane	2.10	U	2.10	9.90	ug/Kg
75-00-3	Chloroethane	2.50	U	2.50	9.90	ug/Kg
75-69-4	Trichlorofluoromethane	2.40	U	2.40	9.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.10	U	2.10	9.90	ug/Kg
75-35-4	1,1-Dichloroethene	2.00	U	2.00	9.90	ug/Kg
67-64-1	Acetone	71.8		9.30	49.3	ug/Kg
75-15-0	Carbon Disulfide	3.40	J	2.10	9.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.40	U	1.40	9.90	ug/Kg
79-20-9	Methyl Acetate	3.00	U	3.00	9.90	ug/Kg
75-09-2	Methylene Chloride	7.00	U	7.00	19.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.70	U	1.70	9.90	ug/Kg
75-34-3	1,1-Dichloroethane	1.60	U	1.60	9.90	ug/Kg
110-82-7	Cyclohexane	1.60	U	1.60	9.90	ug/Kg
78-93-3	2-Butanone	14.8	J	12.9	49.3	ug/Kg
56-23-5	Carbon Tetrachloride	1.90	U	1.90	9.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.50	U	1.50	9.90	ug/Kg
74-97-5	Bromochloromethane	2.30	U	2.30	9.90	ug/Kg
67-66-3	Chloroform	1.70	U	1.70	9.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.80	U	1.80	9.90	ug/Kg
108-87-2	Methylcyclohexane	1.80	U	1.80	9.90	ug/Kg
71-43-2	Benzene	1.60	U	1.60	9.90	ug/Kg
107-06-2	1,2-Dichloroethane	1.60	U	1.60	9.90	ug/Kg
79-01-6	Trichloroethene	1.60	U	1.60	9.90	ug/Kg
78-87-5	1,2-Dichloropropane	1.80	U	1.80	9.90	ug/Kg
75-27-4	Bromodichloromethane	1.50	U	1.50	9.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.10	U	7.10	49.3	ug/Kg
108-88-3	Toluene	1.50	U	1.50	9.90	ug/Kg

Raw Data: **VY022553.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/01/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-207-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.1
Sample Wt/Vol:	4.87 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
VY022553.D	1		06/04/25 16:11	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.30	U	1.30	9.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.20	U	1.20	9.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.80	U	1.80	9.90	ug/Kg
591-78-6	2-Hexanone	7.30	U	7.30	49.3	ug/Kg
124-48-1	Dibromochloromethane	1.70	U	1.70	9.90	ug/Kg
106-93-4	1,2-Dibromoethane	1.70	U	1.70	9.90	ug/Kg
127-18-4	Tetrachloroethene	2.10	U	2.10	9.90	ug/Kg
108-90-7	Chlorobenzene	1.80	U	1.80	9.90	ug/Kg
100-41-4	Ethyl Benzene	1.30	U	1.30	9.90	ug/Kg
179601-23-1	m/p-Xylenes	2.40	U	2.40	19.7	ug/Kg
95-47-6	o-Xylene	1.60	U	1.60	9.90	ug/Kg
100-42-5	Styrene	1.40	U	1.40	9.90	ug/Kg
75-25-2	Bromoform	1.70	U	1.70	9.90	ug/Kg
98-82-8	Isopropylbenzene	1.50	U	1.50	9.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.40	U	2.40	9.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.40	U	3.40	9.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.10	U	3.10	9.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.90	U	2.90	9.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.60	U	3.60	9.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.90	U	5.90	9.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	6.30	U	6.30	9.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.4		70 (63) - 130 (155)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.6		70 (17) - 130 (146)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	232000	7.707			
540-36-3	1,4-Difluorobenzene	423000	8.609			
3114-55-4	Chlorobenzene-d5	325000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.34			

Raw Data: **VY022553.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	06/01/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-207-SB02	SDG No.:	Q2198
Lab Sample ID:	Q2198-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	52.1
Sample Wt/Vol:	4.87 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
VY022553.D	1		06/04/25 16:11	VY060425

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: **VX046506.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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-GW01	SDG No.:	Q2198
Lab Sample ID:	Q2198-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046506.D	1		06/04/25 17:25	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	6.60		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	UQ	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	1.20		0.14	1.00	ug/L

Raw Data: **VX046506.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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-GW01	SDG No.:	Q2198
Lab Sample ID:	Q2198-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046506.D	1		06/04/25 17:25	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00		0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.3		70 (77) - 130 (121)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60400	5.55			
540-36-3	1,4-Difluorobenzene	119000	6.763			
3114-55-4	Chlorobenzene-d5	111000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	48900	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX046506.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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/03/25
Client Sample ID:	B-202-GW01	SDG No.:	Q2198
Lab Sample ID:	Q2198-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046506.D	1		06/04/25 17:25	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	6.20	J		1.25	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.39	J		11.8	ug/L
000527-84-4	o-Cymene	5.60	J		12.6	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	5.50	J		12.9	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	9.30	J		13.0	ug/L
000824-90-8	1-Phenyl-1-butene	8.90	J		13.3	ug/L

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

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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2198-01	B-202-SB02	1,2-Dichloroethane-d4	50	44.8	90	70 (63)	130 (155)
		Dibromofluoromethane	50	48.7	97	70 (70)	130 (134)
		Toluene-d8	50	49.1	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.0	80	70 (17)	130 (146)
Q2198-03	B-207-SB02	1,2-Dichloroethane-d4	50	51.4	103	70 (63)	130 (155)
		Dibromofluoromethane	50	50.7	101	70 (70)	130 (134)
		Toluene-d8	50	49.5	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.6	75	70 (17)	130 (146)
VY0604SBL01	VY0604SBL01	1,2-Dichloroethane-d4	50	52.7	105	70 (63)	130 (155)
		Dibromofluoromethane	50	50.7	101	70 (70)	130 (134)
		Toluene-d8	50	49.3	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.7	83	70 (17)	130 (146)
VY0604SBS01	VY0604SBS01	1,2-Dichloroethane-d4	50	53.9	108	70 (63)	130 (155)
		Dibromofluoromethane	50	53.3	107	70 (70)	130 (134)
		Toluene-d8	50	53.4	107	70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.0	104	70 (17)	130 (146)
VY0604SBSD01	VY0604SBSD01	1,2-Dichloroethane-d4	50	52.1	104	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	50.4	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.0	98	70 (17)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2198-05	B-202-GW01	1,2-Dichloroethane-d4	50	52.2	104	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	50.2	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.3	105	70 (77)	130 (121)
VX0604WBL01	VX0604WBL01	1,2-Dichloroethane-d4	50	53.4	107	70 (74)	130 (125)
		Dibromofluoromethane	50	50.4	101	70 (75)	130 (124)
		Toluene-d8	50	50.4	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106	70 (77)	130 (121)
VX0604WBS01	VX0604WBS01	1,2-Dichloroethane-d4	50	50.1	100	70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103	70 (75)	130 (124)
		Toluene-d8	50	47.3	95	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.1	98	70 (77)	130 (121)
VX0604WBSD0	VX0604WBSD01	1,2-Dichloroethane-d4	50	51.7	103	70 (74)	130 (125)
		Dibromofluoromethane	50	52.1	104	70 (75)	130 (124)
		Toluene-d8	50	49.0	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.4	103	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0604WBS01	Dichlorodifluoromethane	20	16.0	ug/L	80			40 (69)	160 (116)	
	Chloromethane	20	15.1	ug/L	76			40 (65)	160 (116)	
	Vinyl chloride	20	15.5	ug/L	78			70 (65)	130 (117)	
	Bromomethane	20	16.1	ug/L	81			40 (58)	160 (125)	
	Chloroethane	20	17.1	ug/L	86			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.0	ug/L	90			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/L	92			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.2	ug/L	86			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	12.6	ug/L	63			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.6	ug/L	103			70 (78)	130 (114)	
	Methyl Acetate	20	27.6	ug/L	138		*	70 (67)	130 (125)	
	Methylene Chloride	20	17.8	ug/L	89			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.6	ug/L	98			70 (78)	130 (112)	
	Cyclohexane	20	16.8	ug/L	84			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.4	ug/L	92			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	21.9	ug/L	110			70 (70)	130 (124)	
	Chloroform	20	20.0	ug/L	100			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			70 (80)	130 (108)	
	Methylcyclohexane	20	16.1	ug/L	81			70 (72)	130 (115)	
	Benzene	20	18.6	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.8	ug/L	99			70 (80)	130 (115)	
	Trichloroethene	20	18.4	ug/L	92			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.8	ug/L	99			70 (83)	130 (111)	
	Bromodichloromethane	20	19.6	ug/L	98			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	19.1	ug/L	96			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.1	ug/L	96			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.5	ug/L	103			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	20.5	ug/L	103			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.1	ug/L	101			70 (81)	130 (110)	
	Tetrachloroethene	20	19.0	ug/L	95			70 (67)	130 (123)	
	Chlorobenzene	20	19.5	ug/L	98			70 (82)	130 (109)	
	Ethyl Benzene	20	19.6	ug/L	98			70 (83)	130 (109)	
	m/p-Xylenes	40	39.8	ug/L	100			70 (82)	130 (110)	
	o-Xylene	20	20.6	ug/L	103			70 (83)	130 (109)	
	Styrene	20	20.5	ug/L	103			70 (80)	130 (111)	
	Bromoform	20	20.0	ug/L	100			70 (79)	130 (109)	
	Isopropylbenzene	20	21.2	ug/L	106			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	20.5	ug/L	103			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	21.0	ug/L	105			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046491.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0604WBS01	1,2-Dibromo-3-Chloropropane	20	23.8	ug/L	119			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	21.0	ug/L	105			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046497.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0604WBSD01	Dichlorodifluoromethane	20	19.0	ug/L	95	17		40 (69)	160 (116)	20 (20)
	Chloromethane	20	18.9	ug/L	95	22	*	40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.8	ug/L	94	19		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.0	ug/L	85	5		40 (58)	160 (125)	20 (20)
	Chloroethane	20	24.8	ug/L	124	36	*	40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	20.8	ug/L	104	14		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/L	101	9		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	20.3	ug/L	102	17		70 (74)	130 (110)	20 (20)
	Acetone	100	120	ug/L	120	9		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	16.8	ug/L	84	29	*	40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	23.4	ug/L	117	13		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	31.2	ug/L	156	12	*	70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.6	ug/L	103	15		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	20.4	ug/L	102	15		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	22.2	ug/L	111	12		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	21.1	ug/L	106	23	*	70 (75)	130 (110)	20 (20)
	2-Butanone	100	120	ug/L	120	9		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	20.4	ug/L	102	10		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	22.0	ug/L	110	12		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	23.0	ug/L	115	4		70 (70)	130 (124)	20 (20)
	Chloroform	20	22.6	ug/L	113	12		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	22.5	ug/L	113	15		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.9	ug/L	100	21	*	70 (72)	130 (115)	20 (20)
	Benzene	20	21.4	ug/L	107	14		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	21.6	ug/L	108	9		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	21.3	ug/L	106	14		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	22.1	ug/L	111	11		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	21.7	ug/L	109	11		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	120	ug/L	120	9		40 (74)	160 (118)	20 (20)
	Toluene	20	21.7	ug/L	109	13		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	20.7	ug/L	104	8		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	21.4	ug/L	107	10		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	22.2	ug/L	111	7		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	120	ug/L	120	9		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.6	ug/L	108	5		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	21.8	ug/L	109	8		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	20.6	ug/L	103	8		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	21.3	ug/L	106	8		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	22.0	ug/L	110	12		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	43.0	ug/L	108	8		70 (82)	130 (110)	20 (20)
	o-Xylene	20	22.4	ug/L	112	8		70 (83)	130 (109)	20 (20)
	Styrene	20	22.4	ug/L	112	8		70 (80)	130 (111)	20 (20)
	Bromoform	20	20.6	ug/L	103	3		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	22.6	ug/L	113	6		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	22.5	ug/L	113	6		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	21.7	ug/L	109	9		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	21.0	ug/L	105	2		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	22.2	ug/L	111	6		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046497.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0604WBSD01	1,2-Dibromo-3-Chloropropane	20	23.8	ug/L	119	0		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	21.7	ug/L	109	4		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	21.6	ug/L	108	5		70 (76)	130 (114)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022540.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0604SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			40 (64)	160 (136)	
	Chloromethane	20	18.8	ug/Kg	94			40 (52)	160 (151)	
	Vinyl chloride	20	22.0	ug/Kg	110			70 (56)	130 (148)	
	Bromomethane	20	21.2	ug/Kg	106			40 (58)	160 (141)	
	Chloroethane	20	22.5	ug/Kg	113			40 (69)	160 (130)	
	Trichlorofluoromethane	20	23.5	ug/Kg	117			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.1	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	87.2	ug/Kg	87			40 (40)	160 (171)	
	Carbon disulfide	20	20.5	ug/Kg	103			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101			70 (77)	130 (129)	
	Methyl Acetate	20	20.0	ug/Kg	100			70 (69)	130 (149)	
	Methylene Chloride	20	19.1	ug/Kg	96			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Cyclohexane	20	19.6	ug/Kg	98			70 (76)	130 (122)	
	2-Butanone	100	93.6	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	21.0	ug/Kg	105			70 (80)	130 (127)	
	Chloroform	20	21.1	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			70 (80)	130 (126)	
	Methylcyclohexane	20	20.0	ug/Kg	100			70 (77)	130 (123)	
	Benzene	20	20.8	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.1	ug/Kg	106			70 (83)	130 (122)	
	Bromodichloromethane	20	20.9	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	93.5	ug/Kg	94			40 (70)	160 (135)	
	Toluene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.3	ug/Kg	97			70 (82)	130 (125)	
	2-Hexanone	100	91.6	ug/Kg	92			40 (66)	160 (138)	
	Dibromochloromethane	20	19.7	ug/Kg	99			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.5	ug/Kg	103			70 (80)	130 (125)	
	Tetrachloroethene	20	20.9	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	20.4	ug/Kg	102			70 (84)	130 (122)	
	Ethyl Benzene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	38.9	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.8	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	19.4	ug/Kg	97			70 (82)	130 (124)	
	Bromoform	20	18.6	ug/Kg	93			70 (75)	130 (127)	
	Isopropylbenzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022540.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0604SBS01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	21.1	ug/Kg	106			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.5	ug/Kg	103			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022541.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0604SBSD01	Dichlorodifluoromethane	20	22.0	ug/Kg	110	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.7	ug/Kg	94	0		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	22.6	ug/Kg	113	3		70 (56)	130 (148)	30 (20)
	Bromomethane	20	21.9	ug/Kg	110	4		40 (58)	160 (141)	30 (20)
	Chloroethane	20	23.1	ug/Kg	116	3		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	24.1	ug/Kg	121	3		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/Kg	106	3		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	21.1	ug/Kg	106	0		70 (79)	130 (121)	30 (20)
	Acetone	100	99.4	ug/Kg	99	13		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	21.1	ug/Kg	106	3		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	21.6	ug/Kg	108	7		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	22.1	ug/Kg	111	10		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.8	ug/Kg	99	3		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	21.5	ug/Kg	108	4		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.6	ug/Kg	108	2		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	20.1	ug/Kg	101	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	6		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.1	ug/Kg	101	1		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	1		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.2	ug/Kg	101	4		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.6	ug/Kg	108	2		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.4	ug/Kg	107	1		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.7	ug/Kg	99	1		70 (77)	130 (123)	30 (20)
	Benzene	20	20.9	ug/Kg	104	0		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.9	ug/Kg	104	3		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.4	ug/Kg	102	0		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.2	ug/Kg	106	0		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.9	ug/Kg	104	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	16		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	20.3	ug/Kg	102	4		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106	9		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	8		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.1	ug/Kg	101	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.6	ug/Kg	103	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.9	ug/Kg	110	6		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.0	ug/Kg	105	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.2	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.4	ug/Kg	101	4		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.3	ug/Kg	102	3		70 (83)	130 (123)	30 (20)
	Styrene	20	20.3	ug/Kg	102	5		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.5	ug/Kg	98	5		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.3	ug/Kg	102	3		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	21.4	ug/Kg	107	14		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103	3		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	21.0	ug/Kg	105	5		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	21.1	ug/Kg	106	6		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2198

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022541.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0604SBSD01	1,2-Dibromo-3-Chloropropane	20	22.8	ug/Kg	114	15		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	21.2	ug/Kg	106	0		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	21.7	ug/Kg	109	6		70 (70)	130 (137)	30 (20)

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0604WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Lab File ID: VX046490.D Lab Sample ID: VX0604WBL01

Date Analyzed: 06/04/2025 Time Analyzed: 11:04

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0604WBS01	VX0604WBS01	VX046491.D	06/04/2025
VX0604WBSD01	VX0604WBSD01	VX046497.D	06/04/2025
B-202-GW01	Q2198-05	VX046506.D	06/04/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0604SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Lab File ID: VY022539.D Lab Sample ID: VY0604SBL01

Date Analyzed: 06/04/2025 Time Analyzed: 10:24

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
VY0604SBS01	VY0604SBS01	VY022540.D	06/04/2025
VY0604SBSD01	VY0604SBSD01	VY022541.D	06/04/2025
B-202-SB02	Q2198-01	VY022552.D	06/04/2025
B-207-SB02	Q2198-03	VY022553.D	06/04/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
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	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (6.9) 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
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Lab File ID: VX046487.D BFB Injection Date: 06/04/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:43

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22
75	30.0 - 60.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	68.4
175	5.0 - 9.0% of mass 174	4.8 (7) 1
176	95.0 - 101.0% of mass 174	67.2 (98.3) 1
177	5.0 - 9.0% of mass 176	4.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046488.D	06/04/2025	10:12
VX0604WBL01	VX0604WBL01	VX046490.D	06/04/2025	11:04
VX0604WBS01	VX0604WBS01	VX046491.D	06/04/2025	11:27
VX0604WBSD01	VX0604WBSD01	VX046497.D	06/04/2025	13:52
B-202-GW01	Q2198-05	VX046506.D	06/04/2025	17:25

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Lab File ID: VY022488.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:31

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	25.6
75	30.0 - 60.0% of mass 95	58.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	86.2
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.5 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (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
VSTDICC005	VSTDICC005	VY022491.D	06/02/2025	11:46
VSTDICC010	VSTDICC010	VY022492.D	06/02/2025	12:09
VSTDICC020	VSTDICC020	VY022493.D	06/02/2025	12:32
VSTDICCC050	VSTDICCC050	VY022494.D	06/02/2025	12:54
VSTDICC100	VSTDICC100	VY022495.D	06/02/2025	13:17
VSTDICC150	VSTDICC150	VY022496.D	06/02/2025	13:39

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Lab File ID: VY022537.D BFB Injection Date: 06/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:48

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	25.3
75	30.0 - 60.0% of mass 95	58.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	6.4 (7.5) 1
176	95.0 - 101.0% of mass 174	83.3 (97.6) 1
177	5.0 - 9.0% of mass 176	5.3 (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	VY022538.D	06/04/2025	09:54
VY0604SBL01	VY0604SBL01	VY022539.D	06/04/2025	10:24
VY0604SBS01	VY0604SBS01	VY022540.D	06/04/2025	10:54
VY0604SBSD01	VY0604SBSD01	VY022541.D	06/04/2025	11:16
B-202-SB02	Q2198-01	VY022552.D	06/04/2025	15:47
B-207-SB02	Q2198-03	VY022553.D	06/04/2025	16:11

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Lab File ID: VX046488.D Date Analyzed: 06/04/2025

Instrument ID: MSVOA_X Time Analyzed: 10:12

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	97475	5.54	165033	6.75	141151	10.05
UPPER LIMIT	194950	6.043	330066	7.25	282302	10.549
LOWER LIMIT	48737.5	5.043	82516.5	6.25	70575.5	9.549
EPA SAMPLE NO.						
B-202-GW01	60413	5.55	119148	6.76	111234	10.06
VX0604WBL01	69580	5.55	139946	6.76	133992	10.05
VX0604WBS01	92897	5.54	164481	6.76	139452	10.05
VX0604WBSD01	84483	5.55	152834	6.76	133225	10.06

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.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Lab File ID: VX046488.D Date Analyzed: 06/04/2025

Instrument ID: MSVOA_X Time Analyzed: 10:12

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	69016	12.018				
UPPER LIMIT	138032	12.518				
LOWER LIMIT	34508	11.518				
EPA SAMPLE NO.						
B-202-GW01	48853	12.02				
VX0604WBL01	59967	12.02				
VX0604WBS01	63937	12.02				
VX0604WBSD01	62838	12.02				

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.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Lab File ID: VY022538.D Date Analyzed: 06/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:54

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	186956	7.71	316261	8.62	266067	11.42
UPPER LIMIT	373912	8.213	632522	9.116	532134	11.92
LOWER LIMIT	93478	7.213	158131	8.116	133034	10.92
EPA SAMPLE NO.						
B-202-SB02	276393	7.71	491823	8.61	374782	11.41
B-207-SB02	231939	7.71	422737	8.61	324979	11.41
VY0604SBL01	271205	7.71	498185	8.62	390593	11.41
VY0604SBS01	177182	7.71	307142	8.62	260223	11.41
VY0604SBSD01	179220	7.71	309983	8.62	260030	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.: Q2198 SAS No.: Q2198 SDG NO.: Q2198

Lab File ID: VY022538.D Date Analyzed: 06/04/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:54

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

	IS4 AREA #	RT #				
12 HOUR STD	125910	13.346				
UPPER LIMIT	251820	13.846				
LOWER LIMIT	62955	12.846				
EPA SAMPLE NO.						
B-202-SB02	132509	13.34				
B-207-SB02	101553	13.34				
VY0604SBL01	137326	13.35				
VY0604SBS01	119650	13.35				
VY0604SBSD01	119455	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: **VX046490.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0604WBL01	SDG No.:	Q2198
Lab Sample ID:	VX0604WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046490.D	1		06/04/25 11:04	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0604WBL01	SDG No.:	Q2198
Lab Sample ID:	VX0604WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046490.D	1		06/04/25 11:04	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	69600	5.55			
540-36-3	1,4-Difluorobenzene	140000	6.757			
3114-55-4	Chlorobenzene-d5	134000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	60000	12.018			

Raw Data: **VX046490.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0604WBL01	SDG No.:	Q2198
Lab Sample ID:	VX0604WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046490.D	1		06/04/25 11:04	VX060425

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 2025	Date Received:	
Client Sample ID:	VY0604SBL01	SDG No.:	Q2198
Lab Sample ID:	VY0604SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022539.D	1		06/04/25 10:24	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	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	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Raw Data: **VY022539.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBL01	SDG No.:	Q2198
Lab Sample ID:	VY0604SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022539.D	1		06/04/25 10:24	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		70 (17) - 130 (146)	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	271000	7.707			
540-36-3	1,4-Difluorobenzene	498000	8.616			
3114-55-4	Chlorobenzene-d5	391000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	137000	13.346			

Raw Data: **VY022539.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 2025	Date Received:	
Client Sample ID:	VY0604SBL01	SDG No.:	Q2198
Lab Sample ID:	VY0604SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022539.D	1		06/04/25 10:24	VY060425

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: **VX046491.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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0604WBS01	SDG No.:	Q2198
Lab Sample ID:	VX0604WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046491.D	1		06/04/25 11:27	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.0		0.22	1.00	ug/L
74-87-3	Chloromethane	15.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	15.5		0.26	1.00	ug/L
74-83-9	Bromomethane	16.1		1.40	5.00	ug/L
75-00-3	Chloroethane	17.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.0		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.2		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	12.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	27.6		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.8		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.8		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.6		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.9		0.22	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.1		0.16	1.00	ug/L
71-43-2	Benzene	18.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.8		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.1		0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0604WBS01	SDG No.:	Q2198
Lab Sample ID:	VX0604WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046491.D	1		06/04/25 11:27	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.1		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.8		0.24	2.00	ug/L
95-47-6	o-Xylene	20.6		0.12	1.00	ug/L
100-42-5	Styrene	20.5		0.15	1.00	ug/L
75-25-2	Bromoform	20.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	21.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.5		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	23.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.0		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.5		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.1		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	47.3		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	92900	5.544			
540-36-3	1,4-Difluorobenzene	164000	6.757			
3114-55-4	Chlorobenzene-d5	139000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63900	12.018			

Raw Data: **VX046491.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0604WBS01	SDG No.:	Q2198
Lab Sample ID:	VX0604WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046491.D	1		06/04/25 11:27	VX060425

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

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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBS01	SDG No.:	Q2198
Lab Sample ID:	VY0604SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022540.D	1		06/04/25 10:54	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	22.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	23.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		1.00	5.00	ug/Kg
67-64-1	Acetone	87.2		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	93.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.5		3.60	25.0	ug/Kg
108-88-3	Toluene	20.3		0.78	5.00	ug/Kg

Raw Data: **VY022540.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 2025	Date Received:	
Client Sample ID:	VY0604SBS01	SDG No.:	Q2198
Lab Sample ID:	VY0604SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022540.D	1		06/04/25 10:54	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	91.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.7		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.5		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.4		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.7		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (63) - 130 (155)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	53.4		70 (74) - 130 (123)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		70 (17) - 130 (146)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	7.707			
540-36-3	1,4-Difluorobenzene	307000	8.616			
3114-55-4	Chlorobenzene-d5	260000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.347			

Raw Data: **VY022540.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:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBS01	SDG No.:	Q2198
Lab Sample ID:	VY0604SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022540.D	1		06/04/25 10:54	VY060425

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 2025	Date Received:	
Client Sample ID:	VX0604WBSD01	SDG No.:	Q2198
Lab Sample ID:	VX0604WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046497.D	1		06/04/25 13:52	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.0		0.22	1.00	ug/L
74-87-3	Chloromethane	18.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.8		0.26	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	5.00	ug/L
75-00-3	Chloroethane	24.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.8		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.3		0.23	1.00	ug/L
67-64-1	Acetone	120		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.8		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	23.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	31.2		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.6		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	22.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	21.1		1.50	5.00	ug/L
78-93-3	2-Butanone	120		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	22.0		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.0		0.22	1.00	ug/L
67-66-3	Chloroform	22.6		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	22.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.9		0.16	1.00	ug/L
71-43-2	Benzene	21.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	22.1		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	21.7		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	5.00	ug/L
108-88-3	Toluene	21.7		0.14	1.00	ug/L

Raw Data: **VX046497.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0604WBSD01	SDG No.:	Q2198
Lab Sample ID:	VX0604WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046497.D	1		06/04/25 13:52	VX060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.7		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	120		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.8		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.6		0.23	1.00	ug/L
108-90-7	Chlorobenzene	21.3		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	22.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	43.0		0.24	2.00	ug/L
95-47-6	o-Xylene	22.4		0.12	1.00	ug/L
100-42-5	Styrene	22.4		0.15	1.00	ug/L
75-25-2	Bromoform	20.6		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	22.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.7		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	22.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	23.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	84500	5.55			
540-36-3	1,4-Difluorobenzene	153000	6.757			
3114-55-4	Chlorobenzene-d5	133000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	62800	12.018			

Raw Data: **VX046497.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 2025	Date Received:	
Client Sample ID:	VX0604WBSD01	SDG No.:	Q2198
Lab Sample ID:	VX0604WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046497.D	1		06/04/25 13:52	VX060425

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 2025	Date Received:	
Client Sample ID:	VY0604SBSD01	SDG No.:	Q2198
Lab Sample ID:	VY0604SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022541.D	1		06/04/25 11:16	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.0		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	23.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	24.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		1.00	5.00	ug/Kg
67-64-1	Acetone	99.4		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.1		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.6		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	22.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.8		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.4		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.6		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.7		0.91	5.00	ug/Kg
71-43-2	Benzene	20.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBSD01	SDG No.:	Q2198
Lab Sample ID:	VY0604SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022541.D	1		06/04/25 11:16	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.8		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.0		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.3		0.82	5.00	ug/Kg
100-42-5	Styrene	20.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.3		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		70 (17) - 130 (146)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	7.707			
540-36-3	1,4-Difluorobenzene	310000	8.616			
3114-55-4	Chlorobenzene-d5	260000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0604SBSD01	SDG No.:	Q2198
Lab Sample ID:	VY0604SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022541.D	1		06/04/25 11:16	VY060425

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

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

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG No.: Q2198

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5

* 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.: Q2198 SAS No.: Q2198 SDG No.: Q2198

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG No.: Q2198

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4
Methyl Acetate	0.280	0.408	0.396	0.333	0.301	0.301	0.336	15.9
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7
Cyclohexane	1.168	1.208	1.098	1.015	0.970	0.988	1.075	9.2
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7
Bromochloromethane	0.470	0.477	0.479	0.454	0.469	0.474	0.471	1.9
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4
Methylcyclohexane	0.568	0.674	0.645	0.657	0.664	0.698	0.651	6.9
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG No.: Q2198

Instrument ID: MSVOA_Y Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Calibration Time(s): 11:46 13:39

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

LAB FILE ID: RRF005 = VY022491.D RRF010 = VY022492.D RRF020 = VY022493.D
RRF050 = VY022494.D RRF100 = VY022495.D RRF150 = VY022496.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6
1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.9
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dibromo-3-Chloropropane	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.7
1,2,4-Trichlorobenzene	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.2
1,2,3-Trichlorobenzene	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.6

* 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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG No.: Q2198

Instrument ID: MSVOA_X Calibration Date/Time: 06/04/2025 10:12

Lab File ID: VX046488.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.751		-1.83	20
Chloromethane	0.742	0.718	0.1	-3.23	20
Vinyl Chloride	0.691	0.665		-3.76	20
Bromomethane	0.320	0.277		-13.44	20
Chloroethane	0.369	0.377		2.17	20
Trichlorofluoromethane	1.021	1.059		3.72	20
1,1,2-Trichlorotrifluoroethane	0.632	0.670		6.01	20
1,1-Dichloroethene	0.593	0.593		0	20
Acetone	0.374	0.442		18.18	20
Carbon Disulfide	1.406	1.295		-7.89	20
Methyl tert-butyl Ether	2.079	2.295		10.39	20
Methyl Acetate	0.867	1.200		38.41	20
Methylene Chloride	0.716	0.693		-3.21	20
trans-1,2-Dichloroethene	0.596	0.599		0.5	20
1,1-Dichloroethane	1.219	1.302	0.1	6.81	20
Cyclohexane	1.111	1.106		-0.45	20
2-Butanone	0.543	0.606		11.6	20
Carbon Tetrachloride	0.544	0.588		8.09	20
cis-1,2-Dichloroethene	0.718	0.747		4.04	20
Bromochloromethane	0.587	0.546		-6.99	20
Chloroform	1.271	1.335		5.03	20
1,1,1-Trichloroethane	1.101	1.161		5.45	20
Methylcyclohexane	0.623	0.650		4.33	20
Benzene	1.417	1.496		5.57	20
1,2-Dichloroethane	0.612	0.651		6.37	20
Trichloroethene	0.341	0.364		6.74	20
1,2-Dichloropropane	0.352	0.386		9.66	20
Bromodichloromethane	0.547	0.606		10.79	20
4-Methyl-2-Pentanone	0.605	0.678		12.07	20
Toluene	0.869	0.902		3.8	20
t-1,3-Dichloropropene	0.487	0.557		14.37	20
cis-1,3-Dichloropropene	0.538	0.614		14.13	20
1,1,2-Trichloroethane	0.343	0.370		7.87	20
2-Hexanone	0.448	0.513		14.51	20
Dibromochloromethane	0.376	0.424		12.77	20
1,2-Dibromoethane	0.356	0.380		6.74	20
Tetrachloroethene	0.354	0.378		6.78	20
Chlorobenzene	1.094	1.168	0.3	6.76	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.: Q2198 SAS No.: Q2198 SDG No.: Q2198

Instrument ID: MSVOA_X Calibration Date/Time: 06/04/2025 10:12

Lab File ID: VX046488.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	2.117		9.75	20
m/p-Xylenes	0.706	0.764		8.22	20
o-Xylene	0.688	0.756		9.88	20
Styrene	1.127	1.283		13.84	20
Bromoform	0.281	0.318	0.1	13.17	20
Isopropylbenzene	3.893	4.180		7.37	20
1,1,2,2-Tetrachloroethane	1.364	1.385	0.3	1.54	20
1,3-Dichlorobenzene	1.649	1.733		5.09	20
1,4-Dichlorobenzene	1.684	1.742		3.44	20
1,2-Dichlorobenzene	1.655	1.740		5.14	20
1,2-Dibromo-3-Chloropropane	0.302	0.331		9.6	20
1,2,4-Trichlorobenzene	0.951	1.029		8.2	20
1,2,3-Trichlorobenzene	0.981	1.062		8.26	20
1,2-Dichloroethane-d4	0.932	0.862		-7.51	20
Dibromofluoromethane	0.360	0.356		-1.11	20
Toluene-d8	1.246	1.135		-8.91	20
4-Bromofluorobenzene	0.478	0.469		-1.88	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.: Q2198 SAS No.: Q2198 SDG No.: Q2198

Instrument ID: MSVOA_Y Calibration Date/Time: 06/04/2025 09:54

Lab File ID: VY022538.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.448	0.401		-10.49	20
Chloromethane	1.322	1.094	0.1	-17.25	20
Vinyl Chloride	1.534	1.535		0.06	20
Bromomethane	1.470	1.232		-16.19	20
Chloroethane	1.053	1.084		2.94	20
Trichlorofluoromethane	1.302	1.341		2.99	20
1,1,2-Trichlorotrifluoroethane	0.549	0.534		-2.73	20
1,1-Dichloroethene	0.524	0.523		-0.19	20
Acetone	0.114	0.125		9.65	20
Carbon Disulfide	1.679	1.625		-3.22	20
Methyl tert-butyl Ether	1.477	1.427		-3.38	20
Methyl Acetate	0.336	0.345		2.68	20
Methylene Chloride	0.645	0.567		-12.09	20
trans-1,2-Dichloroethene	0.587	0.588		0.17	20
1,1-Dichloroethane	1.079	1.106	0.1	2.5	20
Cyclohexane	1.075	0.988		-8.09	20
2-Butanone	0.164	0.164		0	20
Carbon Tetrachloride	0.497	0.494		-0.6	20
cis-1,2-Dichloroethene	0.678	0.692		2.07	20
Bromochloromethane	0.471	0.467		-0.85	20
Chloroform	1.069	1.094		2.34	20
1,1,1-Trichloroethane	0.949	0.960		1.16	20
Methylcyclohexane	0.651	0.621		-4.61	20
Benzene	1.431	1.453		1.54	20
1,2-Dichloroethane	0.391	0.386		-1.28	20
Trichloroethene	0.350	0.358		2.29	20
1,2-Dichloropropane	0.338	0.339		0.3	20
Bromodichloromethane	0.482	0.487		1.04	20
4-Methyl-2-Pentanone	0.233	0.221		-5.15	20
Toluene	0.899	0.907		0.89	20
t-1,3-Dichloropropene	0.452	0.445		-1.55	20
cis-1,3-Dichloropropene	0.526	0.527		0.19	20
1,1,2-Trichloroethane	0.243	0.235		-3.29	20
2-Hexanone	0.156	0.154		-1.28	20
Dibromochloromethane	0.308	0.299		-2.92	20
1,2-Dibromoethane	0.221	0.214		-3.17	20
Tetrachloroethene	0.430	0.438		1.86	20
Chlorobenzene	1.106	1.123	0.3	1.54	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG No.: Q2198

Instrument ID: MSVOA_Y Calibration Date/Time: 06/04/2025 09:54

Lab File ID: VY022538.D Init. Calib. Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:46 13:39

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.052	2.102		2.44	20
m/p-Xylenes	0.778	0.788		1.28	20
o-Xylene	0.729	0.739		1.37	20
Styrene	1.206	1.238		2.65	20
Bromoform	0.198	0.190	0.1	-4.04	20
Isopropylbenzene	4.105	4.139		0.83	20
1,1,2,2-Tetrachloroethane	0.674	0.637	0.3	-5.49	20
1,3-Dichlorobenzene	1.755	1.760		0.28	20
1,4-Dichlorobenzene	1.702	1.707		0.29	20
1,2-Dichlorobenzene	1.490	1.481		-0.6	20
1,2-Dibromo-3-Chloropropane	0.098	0.092		-6.12	20
1,2,4-Trichlorobenzene	0.813	0.814		0.12	20
1,2,3-Trichlorobenzene	0.697	0.680		-2.44	20
1,2-Dichloroethane-d4	0.559	0.563		0.72	20
Dibromofluoromethane	0.298	0.309		3.69	20
Toluene-d8	1.206	1.268		5.14	20
4-Bromofluorobenzene	0.359	0.368		2.51	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\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Quant Time: Jun 05 04:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

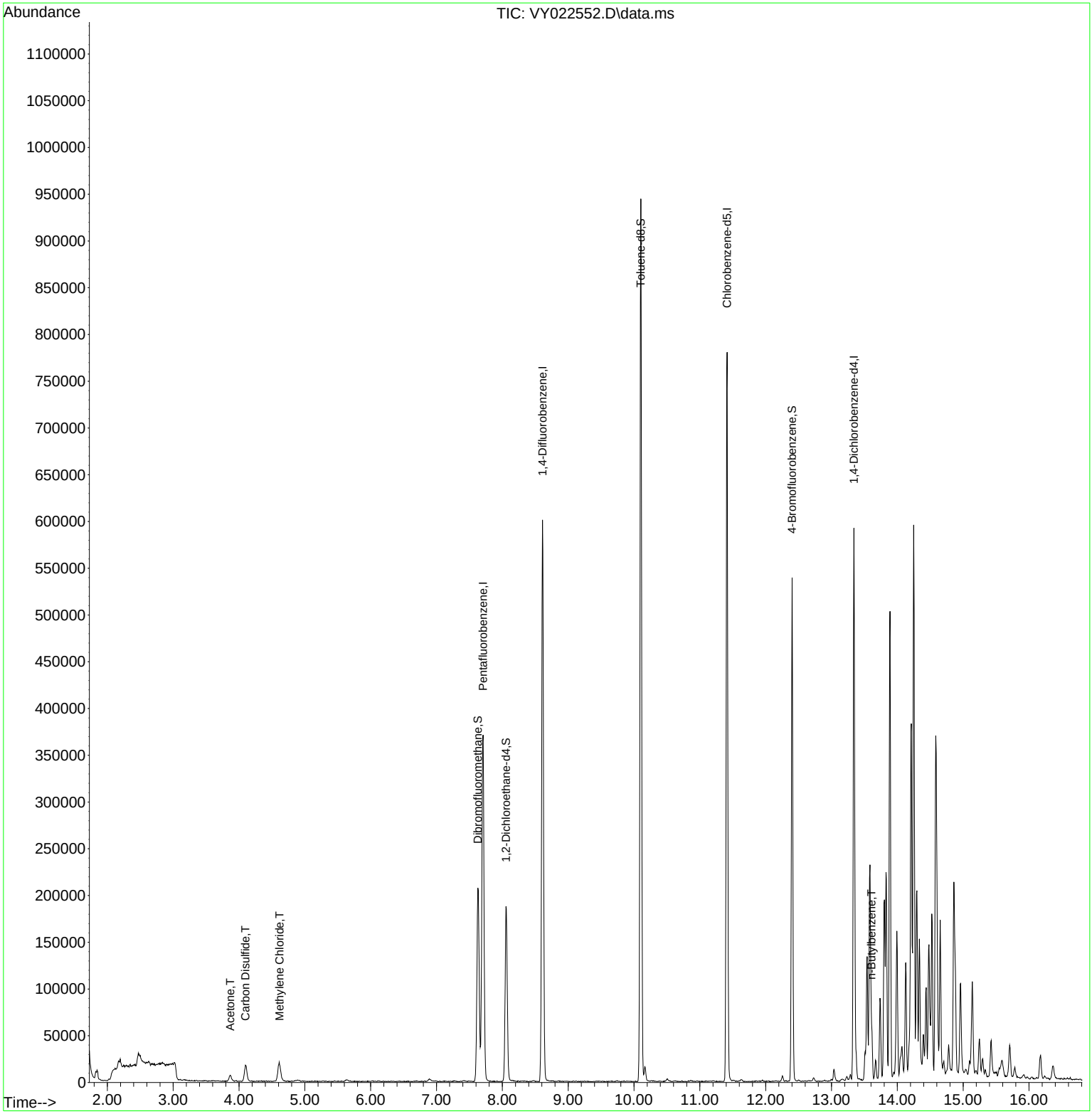
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	276393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	491823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	374782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	132509	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	138625	44.844	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 89.680%			
35) Dibromofluoromethane	7.628	113	142837	48.657	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.320%			
50) Toluene-d8	10.103	98	583018	49.151	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.402	95	141487	40.034	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.060%			
Target Compounds						Qvalue
16) Acetone	3.867	43	10330	16.454	ug/l	95
17) Carbon Disulfide	4.098	76	33091	3.566	ug/l	97
20) Methylene Chloride	4.616	84	14348	4.023	ug/l	92
89) n-Butylbenzene	13.609	91	23297	2.537	ug/l #	70

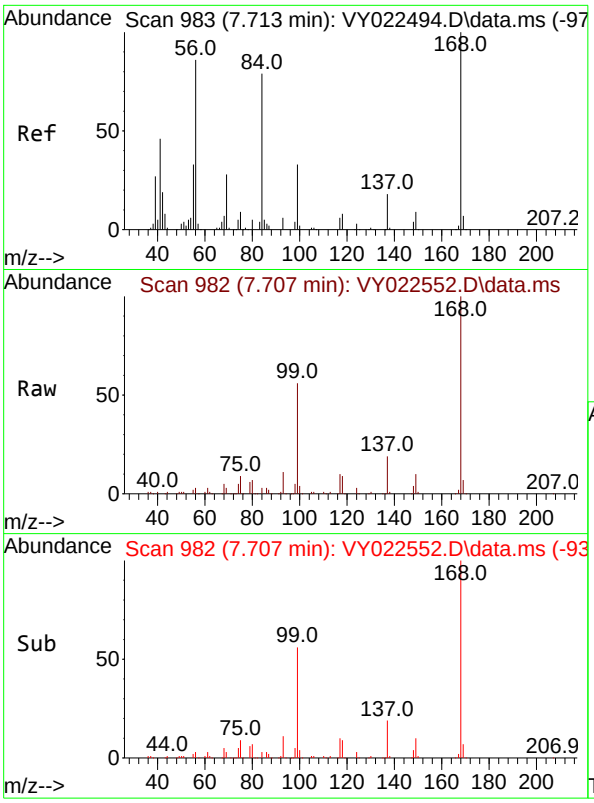
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Quant Time: Jun 05 04:17:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



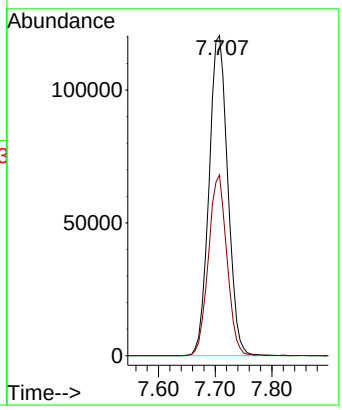


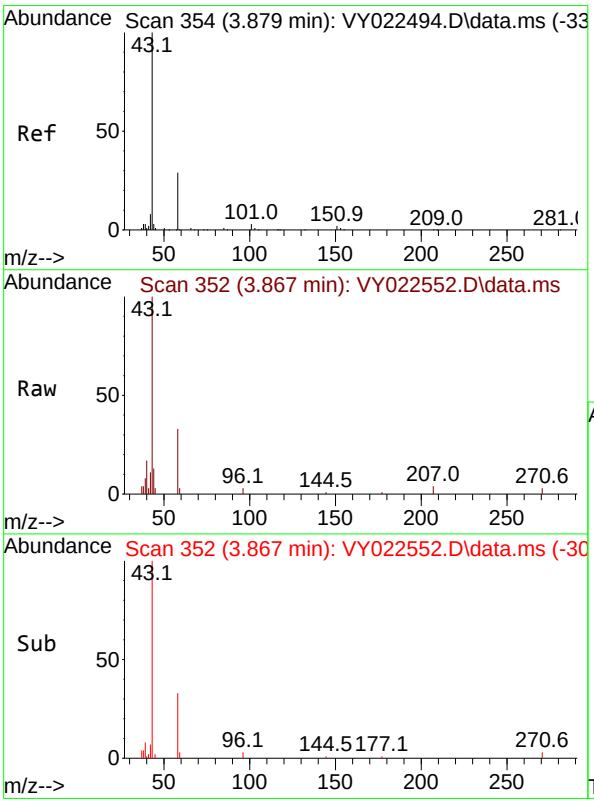
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Tgt Ion:168 Resp: 276393

Ion	Ratio	Lower	Upper
168	100		
99	56.5	44.3	66.5

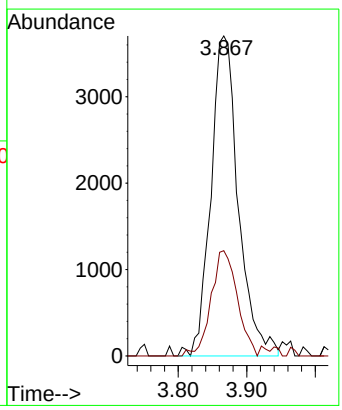


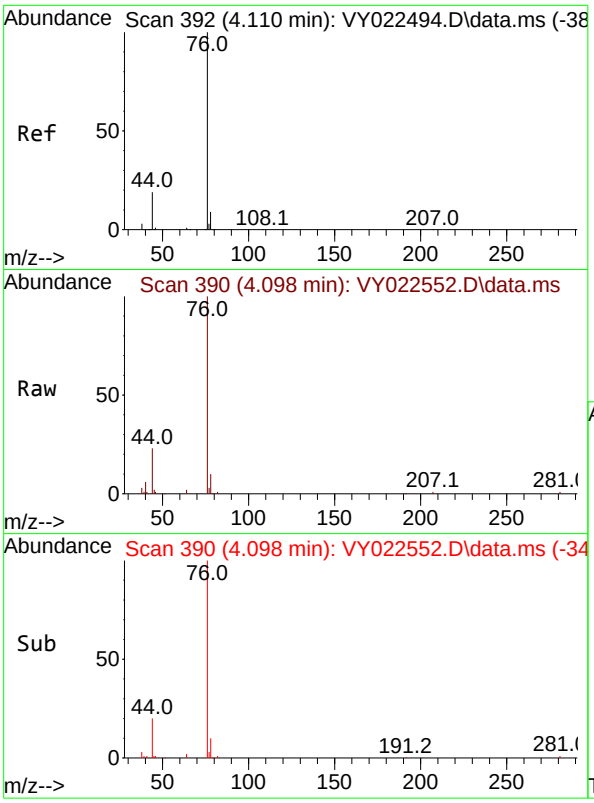


#16
Acetone
Concen: 16.454 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 43 Resp: 10330

Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.0	36.0



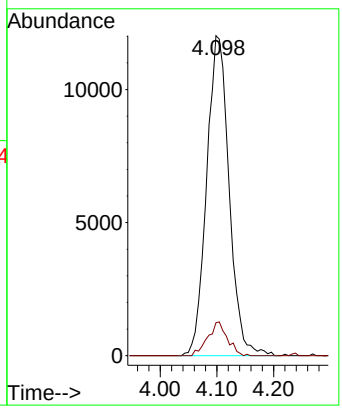


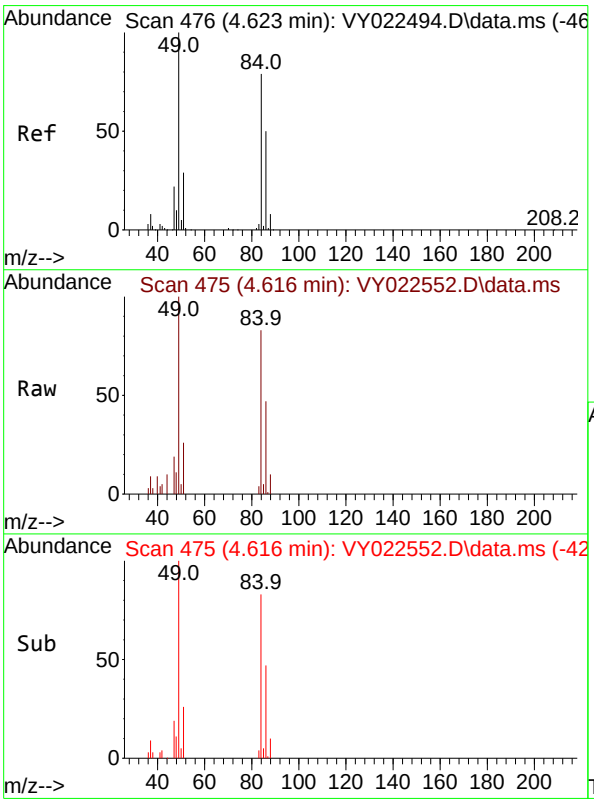
#17
Carbon Disulfide
Concen: 3.566 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Tgt Ion: 76 Resp: 33091

Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.4	11.2

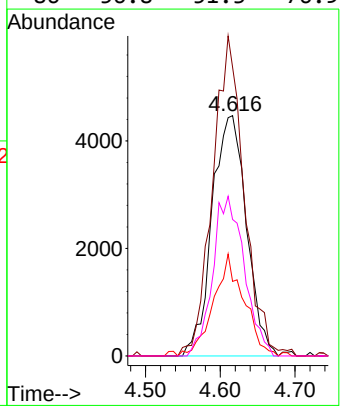


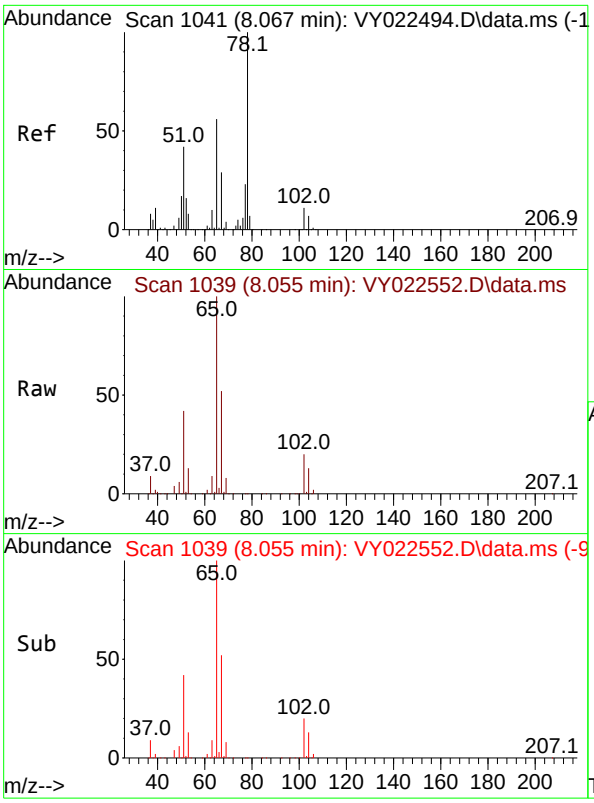


#20
Methylene Chloride
Concen: 4.023 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 84 Resp: 14348

Ion	Ratio	Lower	Upper
84	100		
49	120.2	101.9	152.9
51	31.0	29.8	44.8
86	56.8	51.3	76.9



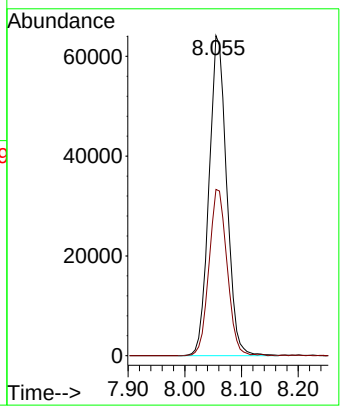


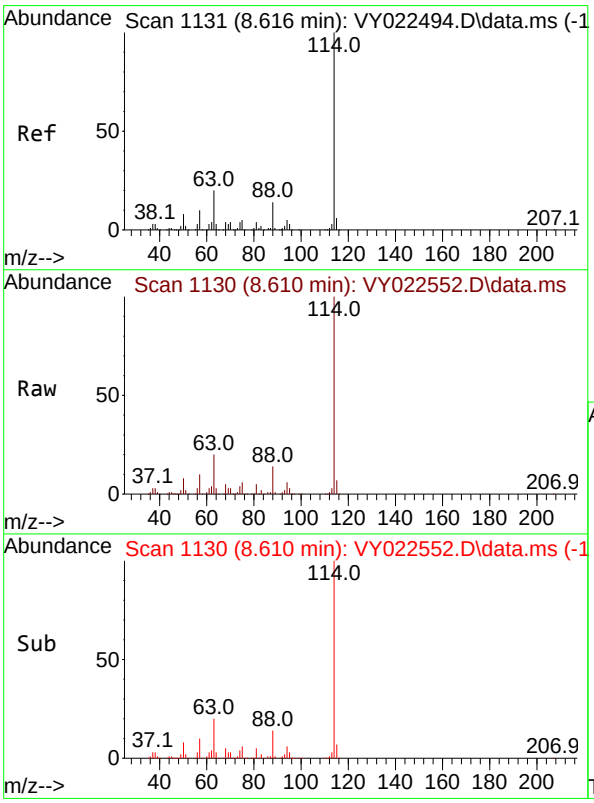
#33
1,2-Dichloroethane-d4
Concen: 44.844 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Tgt Ion: 65 Resp: 138625

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	103.4

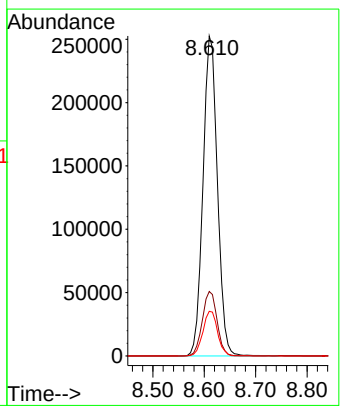


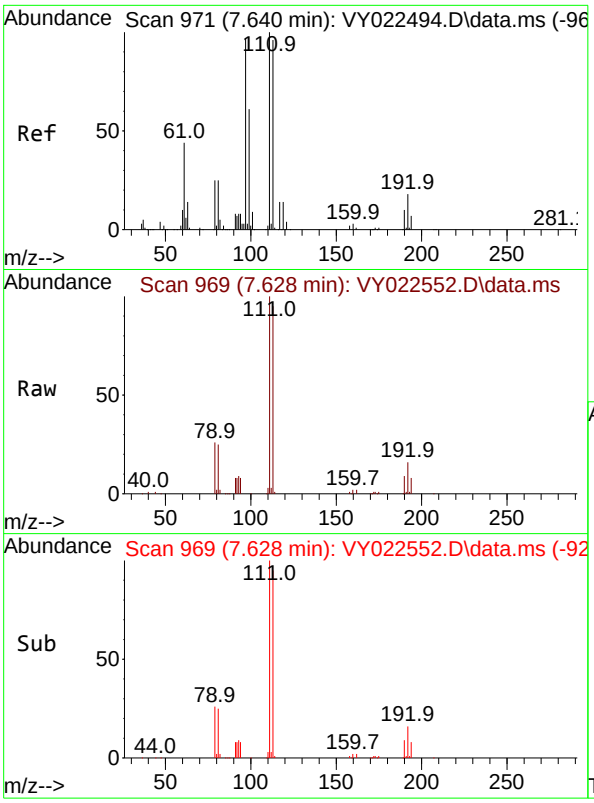


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion:114 Resp: 491823

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.8
88	14.0	0.0	27.8



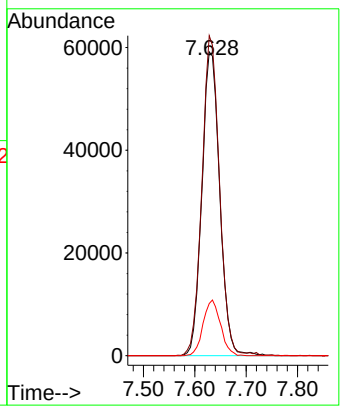


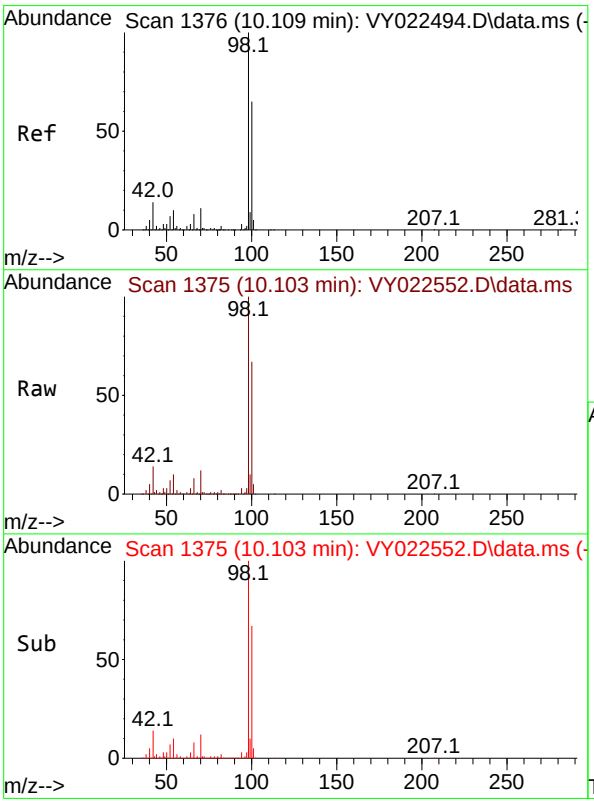
#35
Dibromofluoromethane
Concen: 48.657 ug/l
RT: 7.628 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Tgt Ion:113 Resp: 142837

Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.1	121.7
192	17.9	14.2	21.2

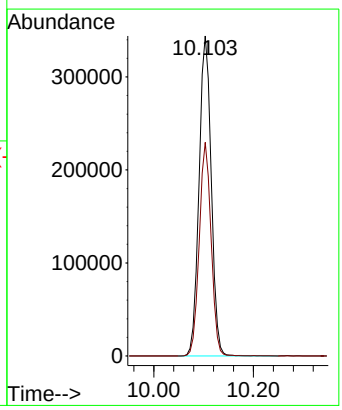


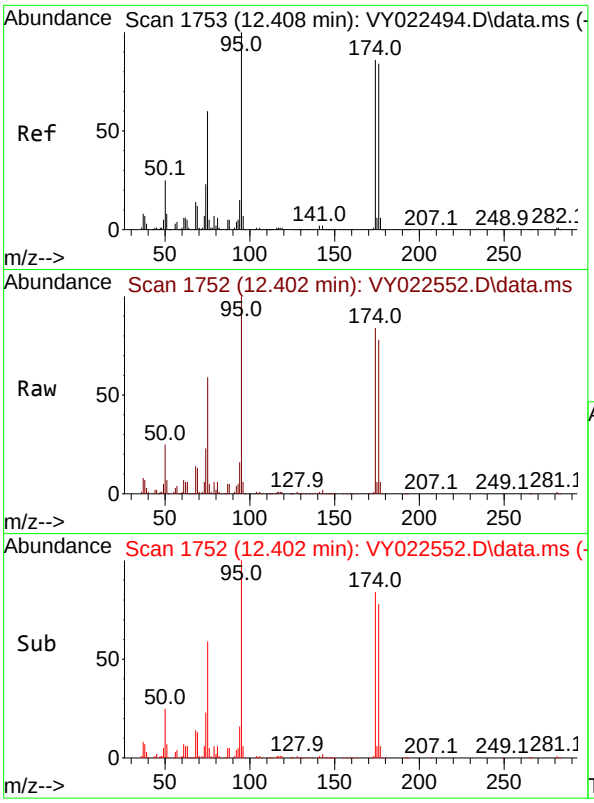


#50
Toluene-d8
Concen: 49.151 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 98 Resp: 583018

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.4	77.0



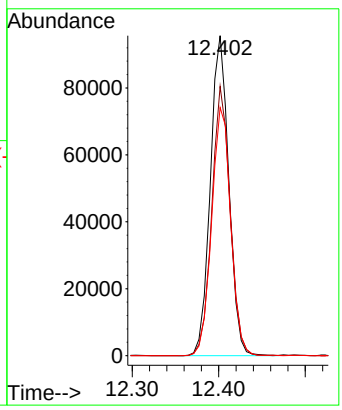


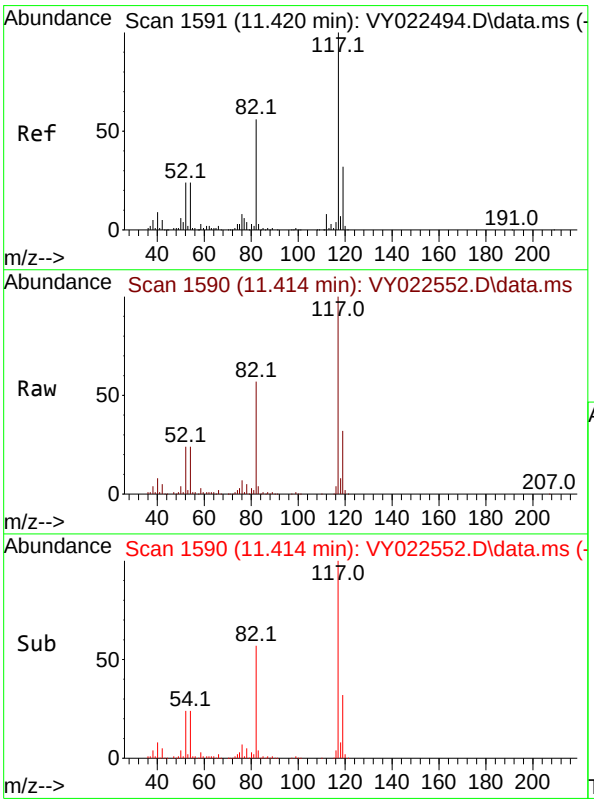
#62
4-Bromofluorobenzene
Concen: 40.034 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Tgt Ion: 95 Resp: 141487

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.0
176	80.2	0.0	166.2

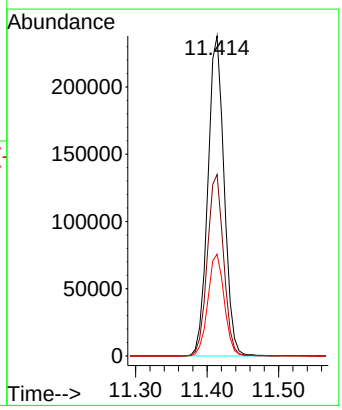


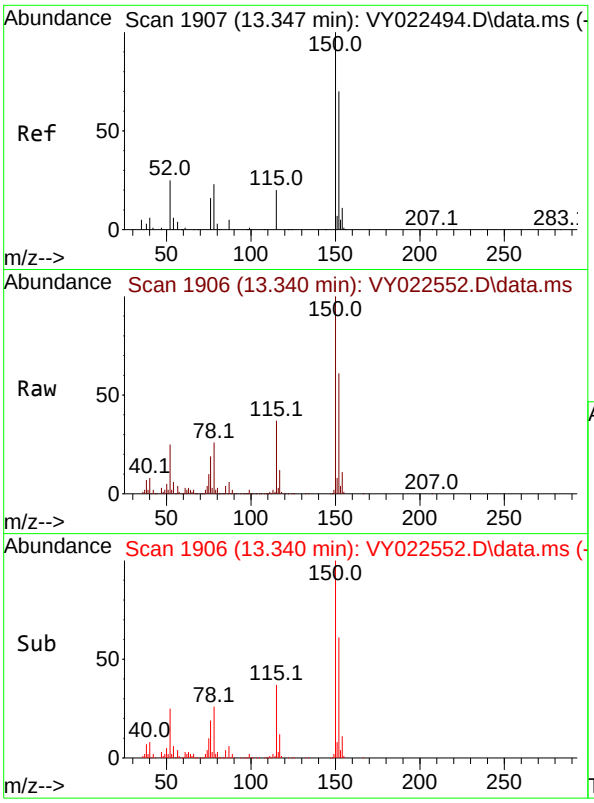


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion:117 Resp: 374782

Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.6	66.8
119	31.8	25.4	38.0



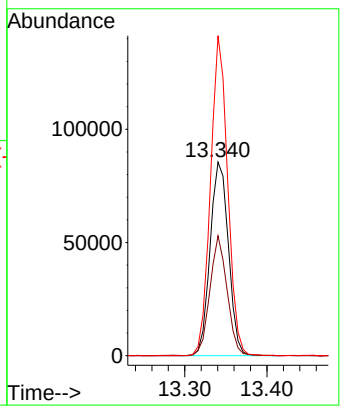


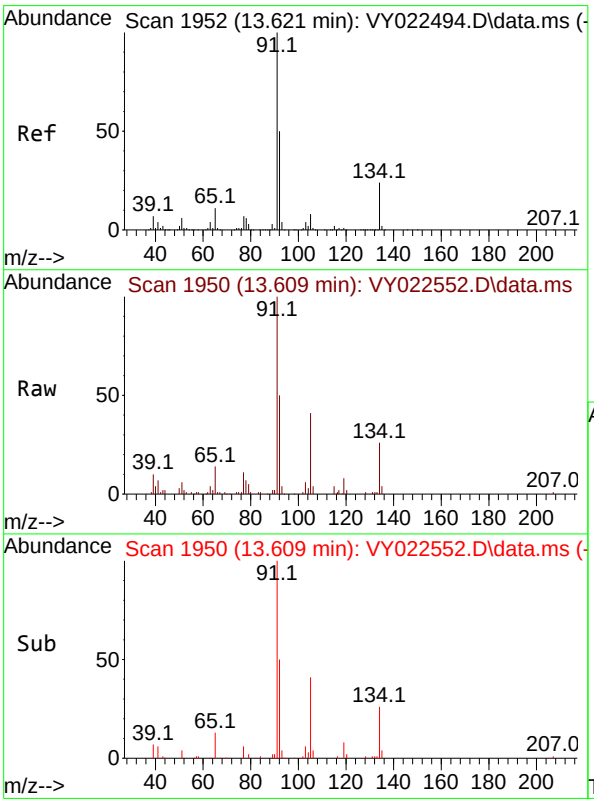
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Tgt Ion:152 Resp: 132509

Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.7
150	154.8	0.0	349.6

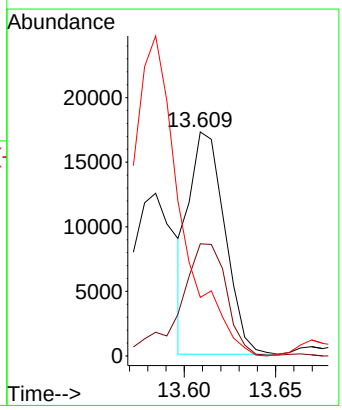




#89
n-Butylbenzene
Concen: 2.537 ug/l
RT: 13.609 min Scan# 1950
Delta R.T. -0.012 min
Lab File: VY022552.D
Acq: 04 Jun 2025 15:47

Tgt Ion: 91 Resp: 23297

Ion	Ratio	Lower	Upper
91	100		
92	66.5	25.9	77.8
134	0.0	12.0	36.1#



Sample Results: **VY022552.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022552.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.117	52	65	67	rBV2	12124	45136	2.83%	0.291%
2	2.172	70	74	76	rVV4	10135	19165	1.20%	0.124%
3	2.470	118	123	127	rBV2	13699	32268	2.02%	0.208%
4	3.867	344	352	362	rBV	6558	17735	1.11%	0.115%
5	4.098	380	390	402	rBV	17517	48528	3.04%	0.313%
6	4.610	464	474	486	rBV2	20177	59622	3.74%	0.385%
7	7.628	958	969	975	rBV	207267	494591	31.02%	3.194%
8	7.707	975	982	999	rVB	370555	858858	53.86%	5.546%
9	8.055	1030	1039	1051	rBV	187162	420267	26.35%	2.714%
10	8.610	1122	1130	1141	rBV	600728	1172930	73.55%	7.574%
11	10.103	1366	1375	1382	rBV	944292	1594650	100.00%	10.297%
12	10.164	1382	1385	1395	rVB	15401	27950	1.75%	0.180%
13	11.414	1581	1590	1602	rBV	779930	1250972	78.45%	8.078%
14	12.402	1745	1752	1762	rBV	538476	807974	50.67%	5.217%
15	13.036	1852	1856	1864	rVB2	12392	21451	1.35%	0.139%
16	13.340	1900	1906	1916	rBV	589216	906480	56.85%	5.854%
17	13.511	1927	1934	1935	rBV2	30879	42044	2.64%	0.271%
18	13.542	1935	1939	1942	rVV	132115	204127	12.80%	1.318%
19	13.584	1942	1946	1955	rVV4	229742	439706	27.57%	2.839%
20	13.670	1955	1960	1966	rVV5	19986	30341	1.90%	0.196%
21	13.737	1966	1971	1976	rVV	85932	129984	8.15%	0.839%
22	13.804	1976	1982	1984	rVV	190427	302791	18.99%	1.955%
23	13.828	1984	1986	1991	rVV	219384	299694	18.79%	1.935%
24	13.889	1991	1996	2002	rVB	497900	726707	45.57%	4.693%
25	13.993	2007	2013	2018	rVV2	157378	258442	16.21%	1.669%
26	14.072	2018	2026	2030	rVV4	33386	86831	5.45%	0.561%
27	14.127	2030	2035	2040	rVV	122871	192943	12.10%	1.246%
28	14.212	2040	2049	2052	rVV	378209	659402	41.35%	4.258%
29	14.249	2052	2055	2059	rVV	590470	825832	51.79%	5.333%
30	14.298	2059	2063	2066	rVV	199134	306975	19.25%	1.982%
31	14.334	2066	2069	2075	rVV	147296	219135	13.74%	1.415%
32	14.395	2075	2079	2082	rVV	44848	73634	4.62%	0.475%
33	14.438	2082	2086	2089	rVV	94780	141238	8.86%	0.912%
34	14.480	2089	2093	2097	rVV2	140540	256939	16.11%	1.659%
35	14.523	2097	2100	2105	rVV	173185	253318	15.89%	1.636%
36	14.584	2105	2110	2117	rVV2	363535	754657	47.32%	4.873%

Sample Results: **VY022552.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-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\82Y060225S.M
Title : SW846 8260

37	14.651	2117	2121	2127	rVV	166012	247177	15.50%	1.596%
38	14.706	2127	2130	2134	rVV3	14716	23024	1.44%	0.149%
39	14.779	2134	2142	2150	rVV	31939	65619	4.11%	0.424%
40	14.858	2150	2155	2166	rVV	205574	443533	27.81%	2.864%
41	14.962	2166	2172	2180	rVV	96654	169740	10.64%	1.096%
42	15.096	2190	2194	2196	rBV2	14345	21027	1.32%	0.136%
43	15.139	2196	2201	2207	rVB	97699	165500	10.38%	1.069%
44	15.249	2214	2219	2223	rBV2	37670	62829	3.94%	0.406%
45	15.297	2223	2227	2231	rVV4	16417	25266	1.58%	0.163%
46	15.425	2242	2248	2255	rBV	38010	71413	4.48%	0.461%
47	15.590	2271	2275	2284	rVB3	17318	41285	2.59%	0.267%
48	15.706	2287	2294	2302	rVV2	33808	63234	3.97%	0.408%
49	15.785	2302	2307	2312	rVB4	10693	18497	1.16%	0.119%
50	16.175	2365	2371	2378	rVB	24591	47228	2.96%	0.305%
51	16.364	2394	2402	2409	rBV4	14571	37360	2.34%	0.241%

Sum of corrected areas: 15486049

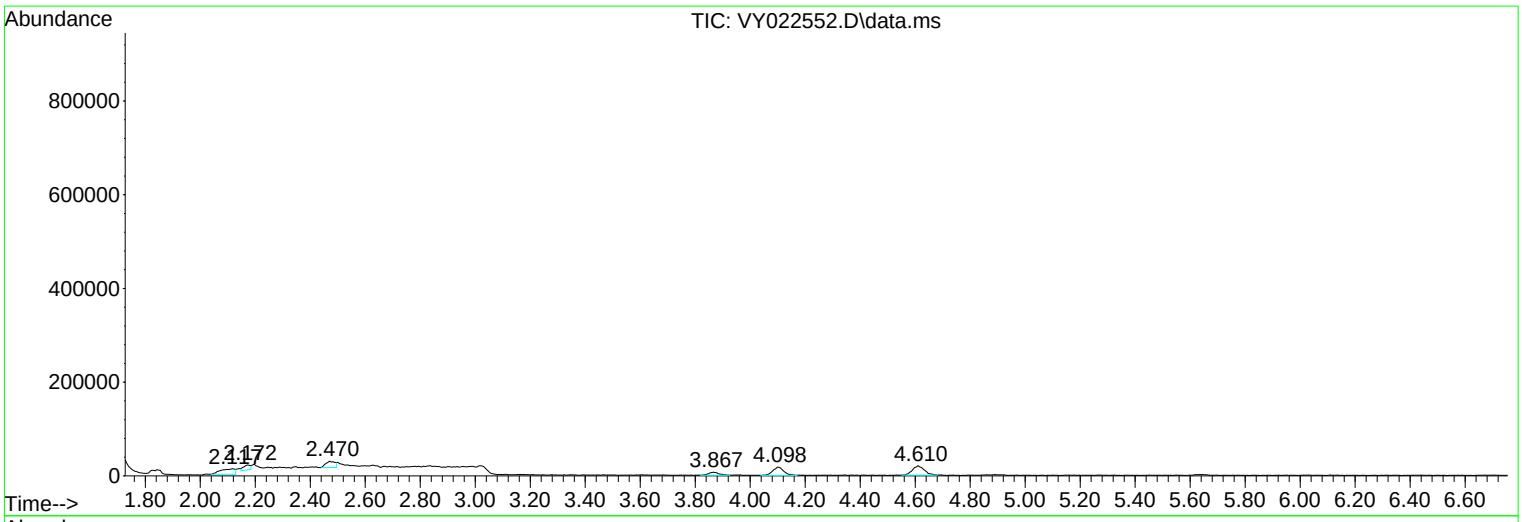
Sample Results: **VY022552.D**

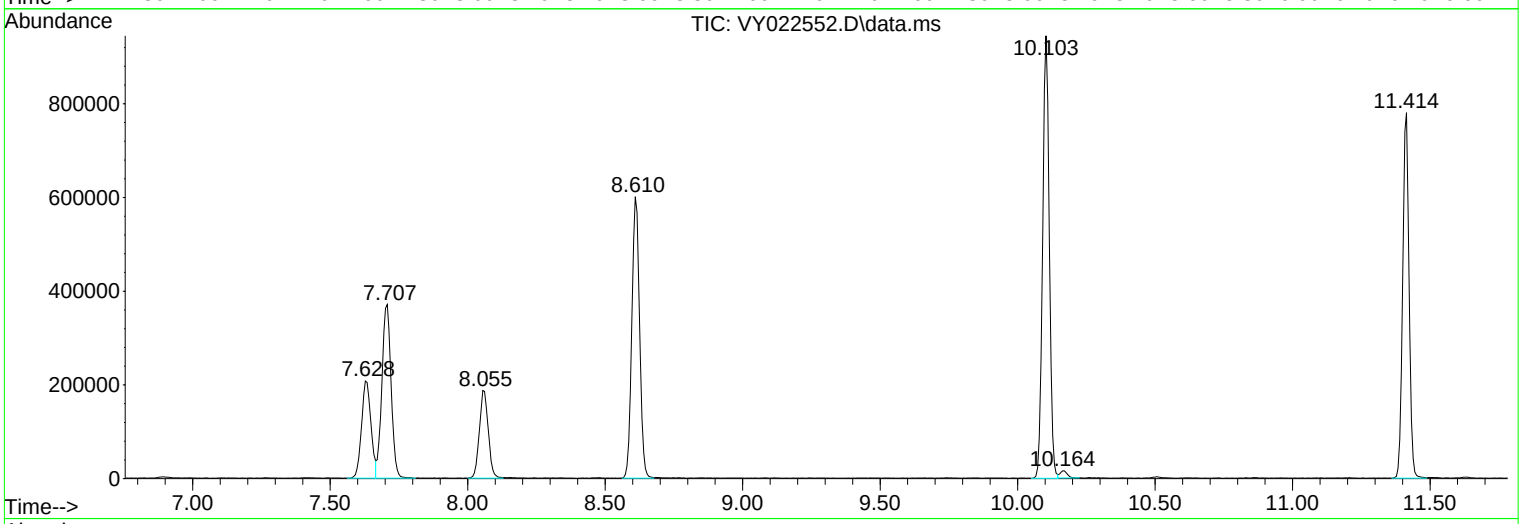
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

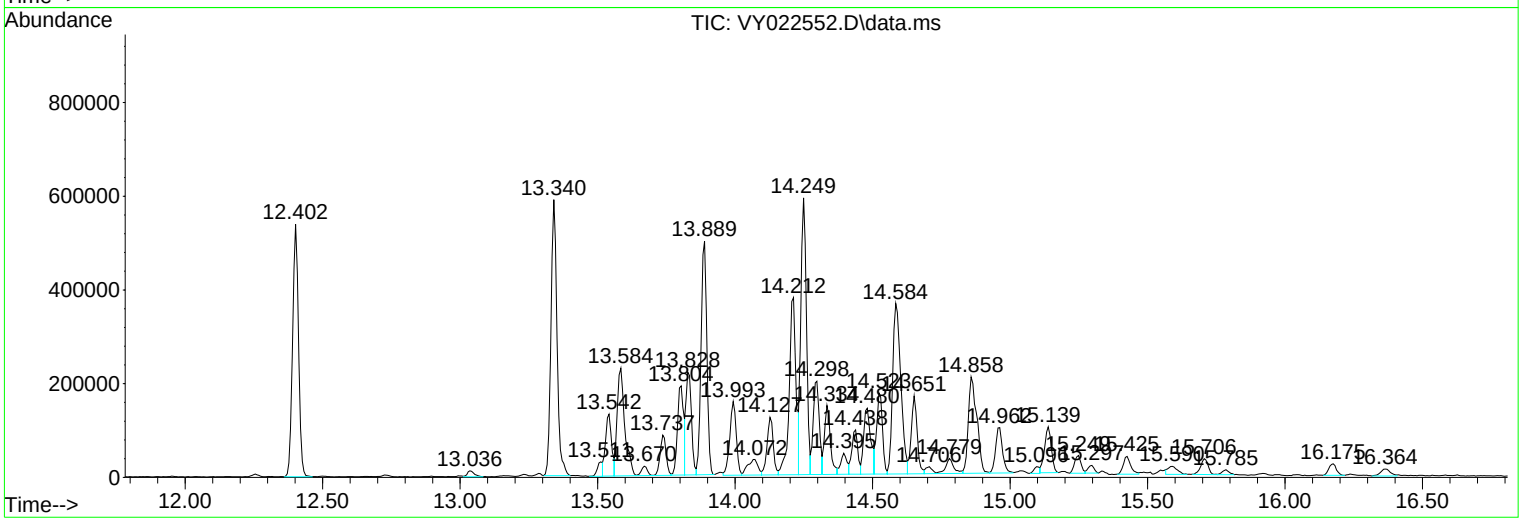
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

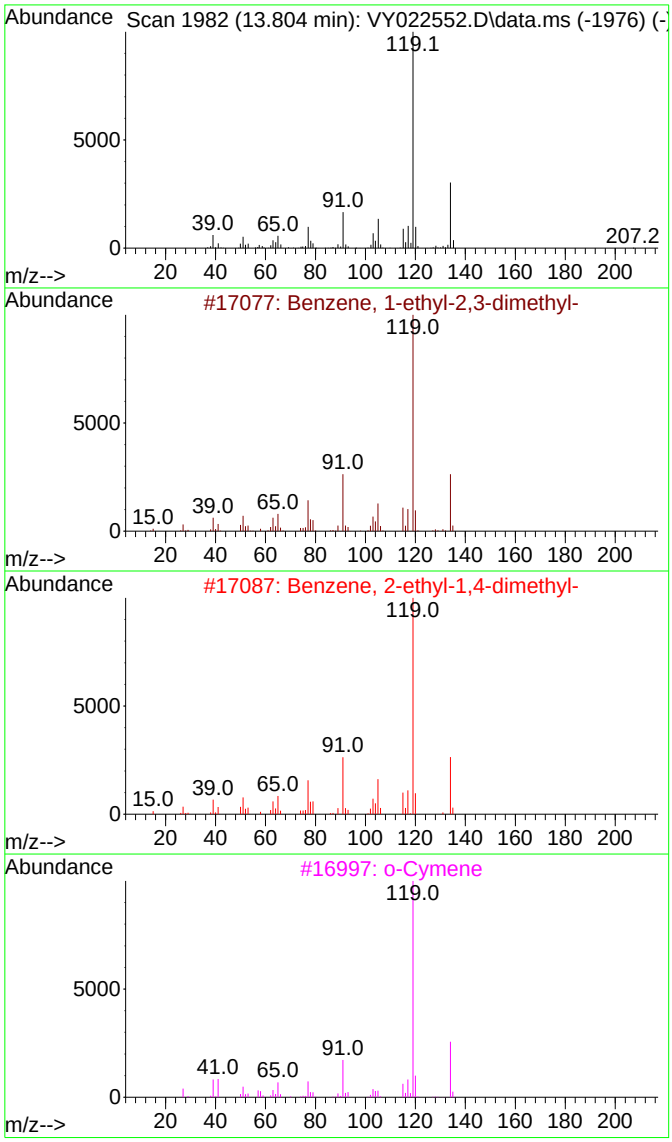
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

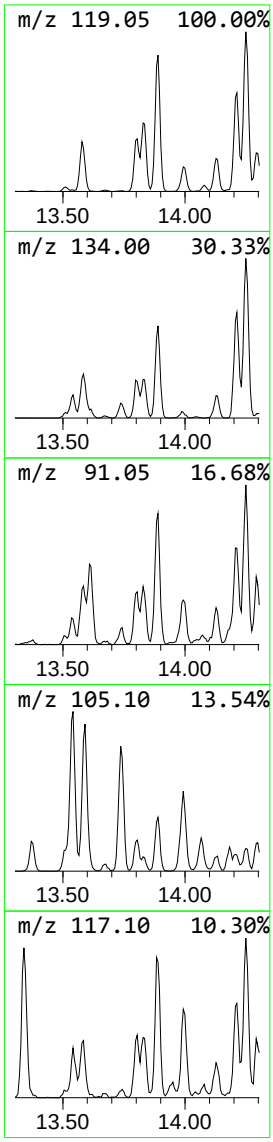
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	16.70 ug/l	302791	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

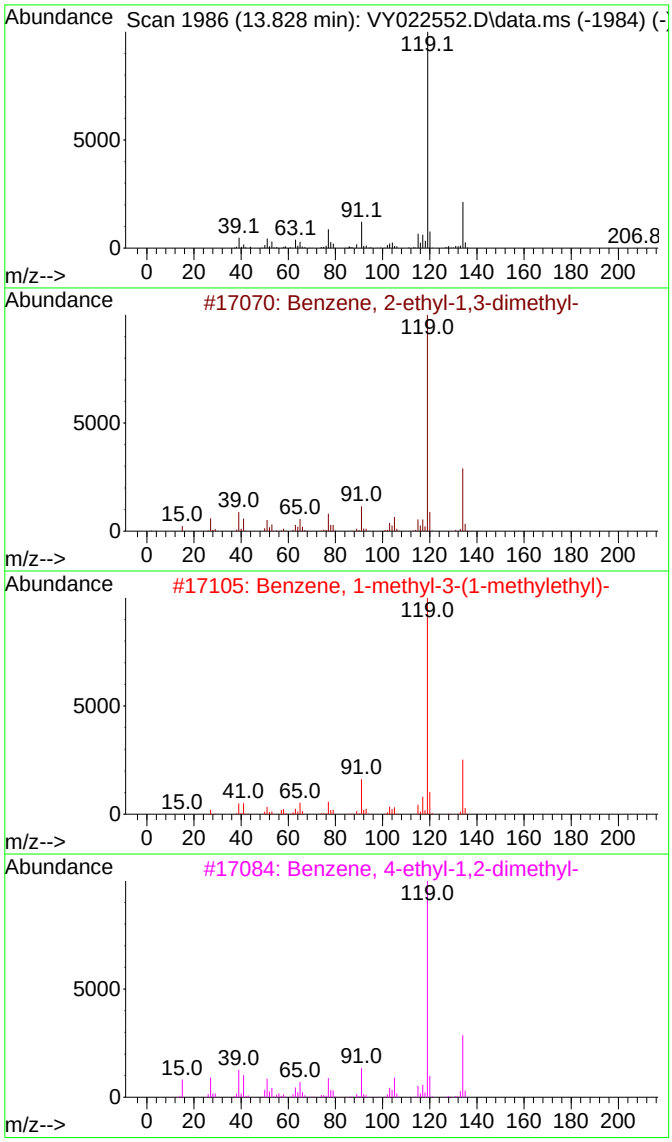
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

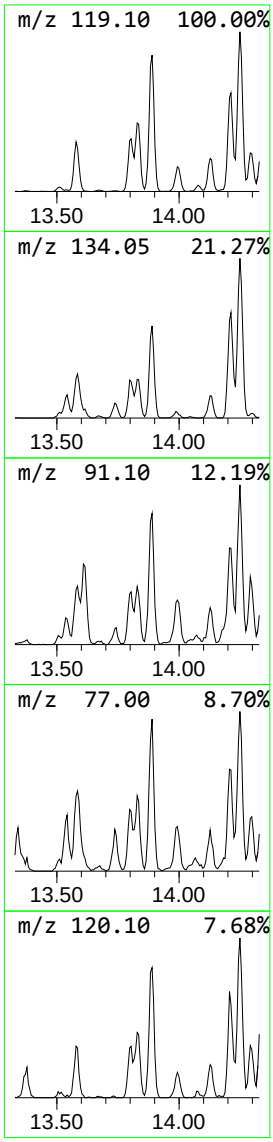
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.828	16.53 ug/l	299694	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

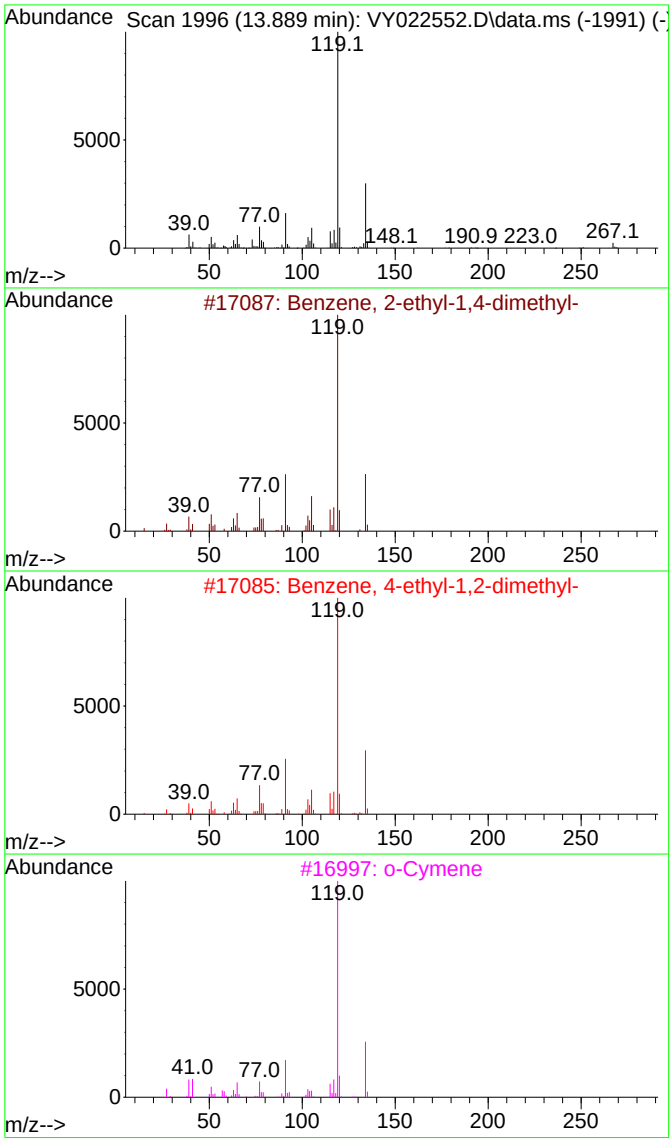
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

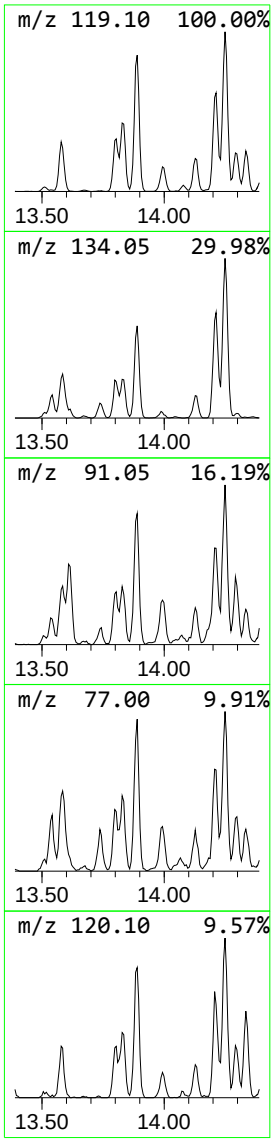
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	40.08 ug/l	726707	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

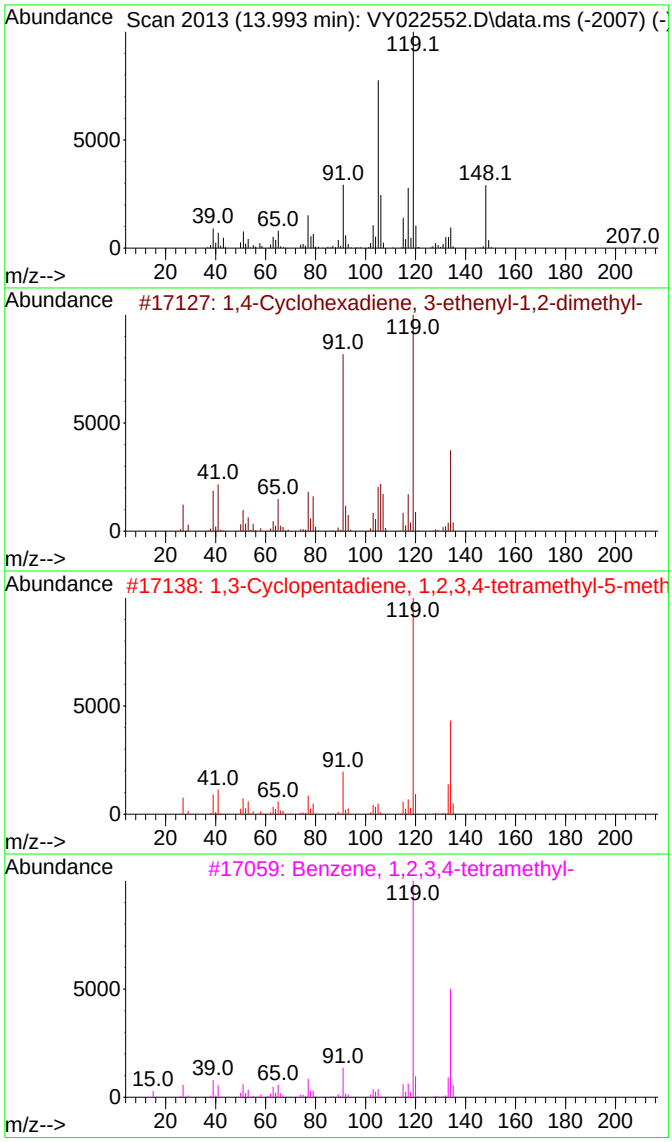
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

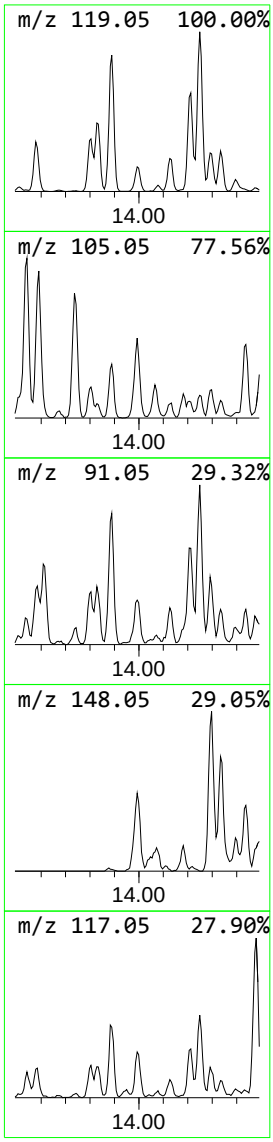
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,4-Cyclohexadiene, 3-ethen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.993	14.26 ug/l	258442	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	64
2	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	60
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	58
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

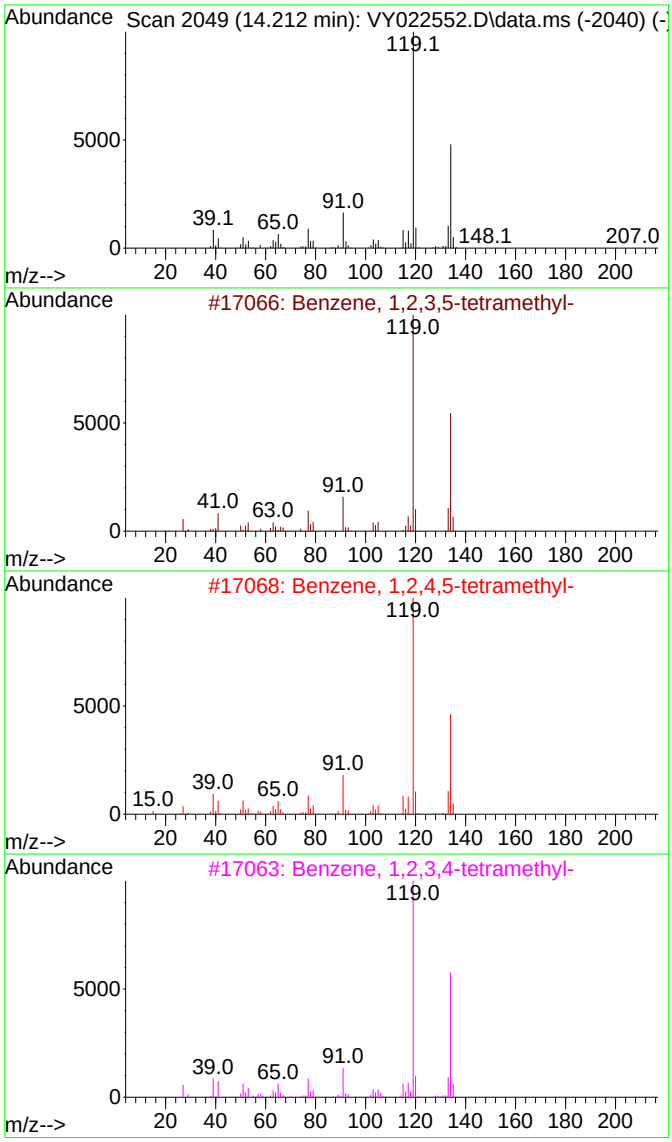
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

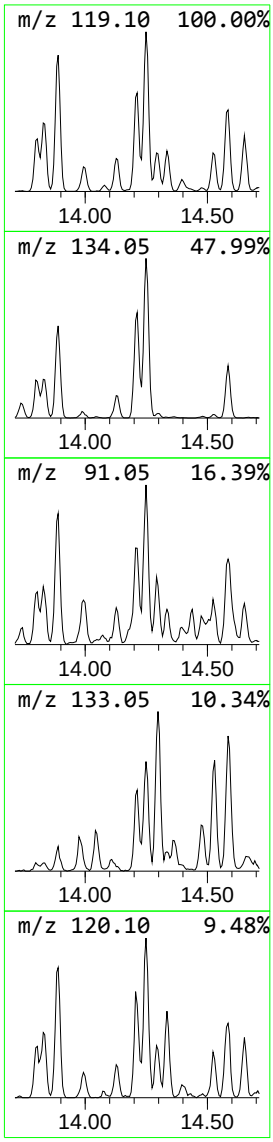
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	36.37 ug/l	659402	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

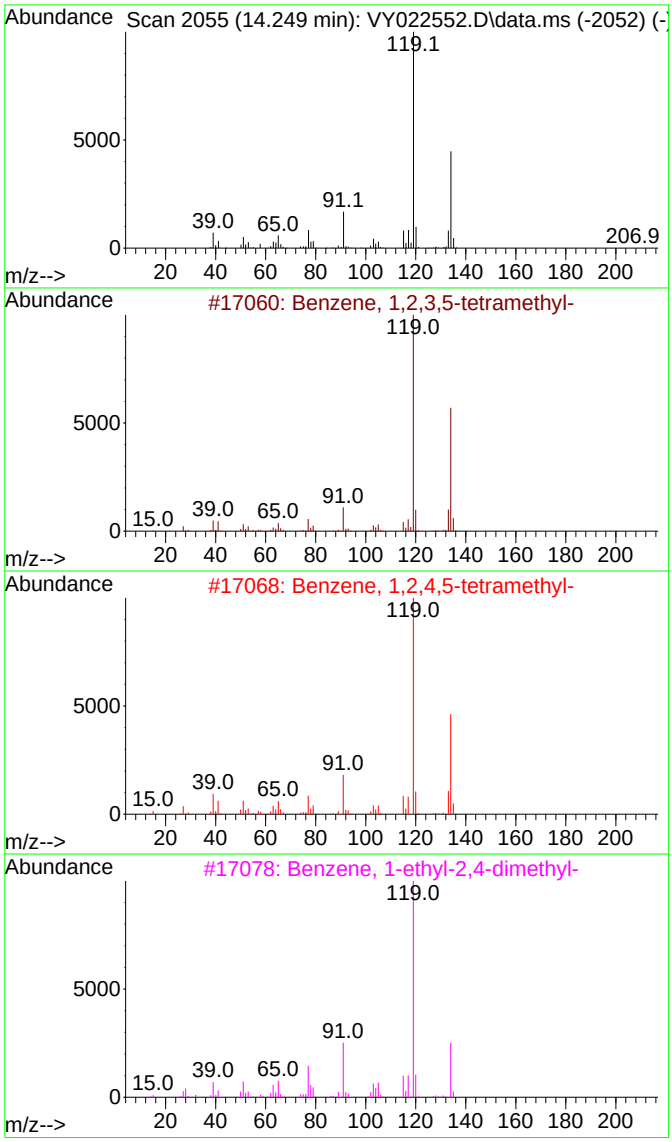
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

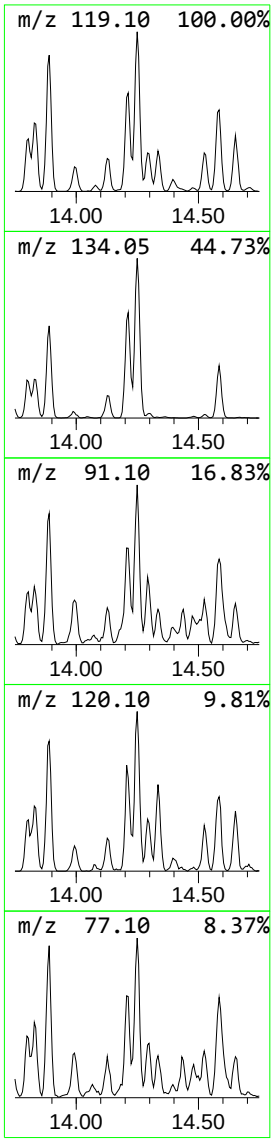
****

Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.249	45.55 ug/l	825832	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

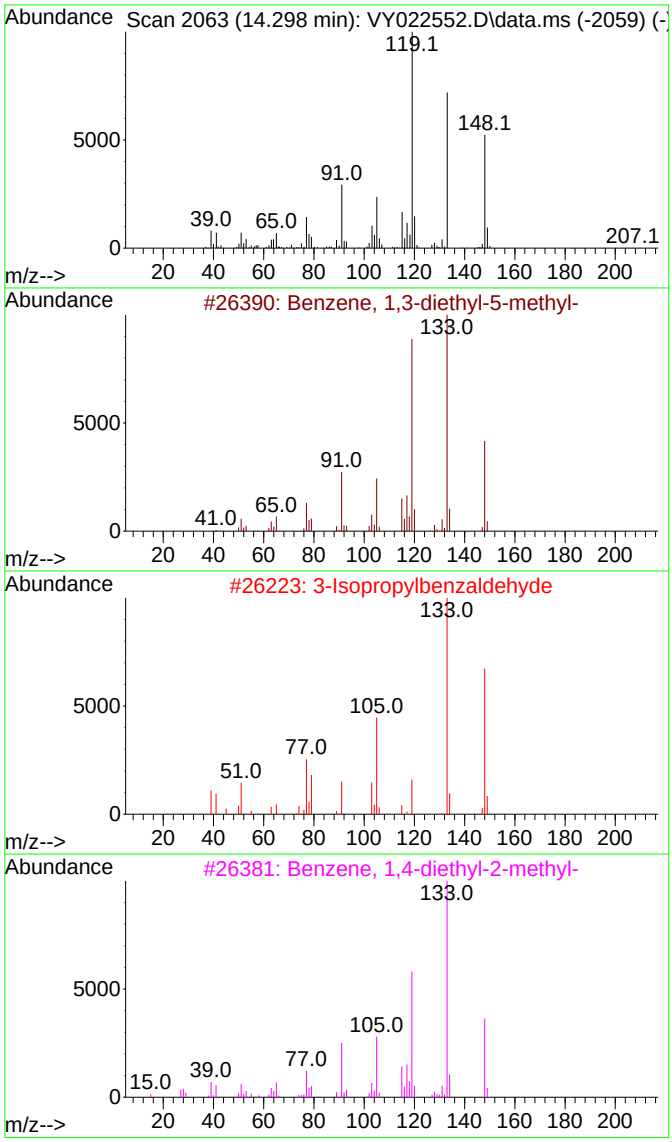
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

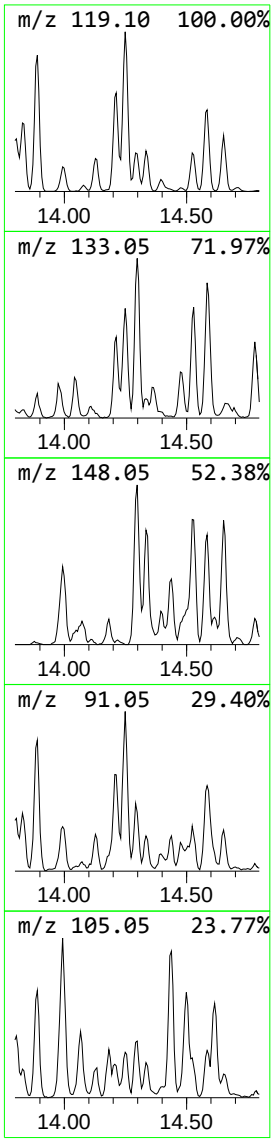
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.298	16.93 ug/l	306975	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	53
2	3-Isopropylbenzaldehyde	148	C10H12O	034246-57-6	46
3	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	43
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	43
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

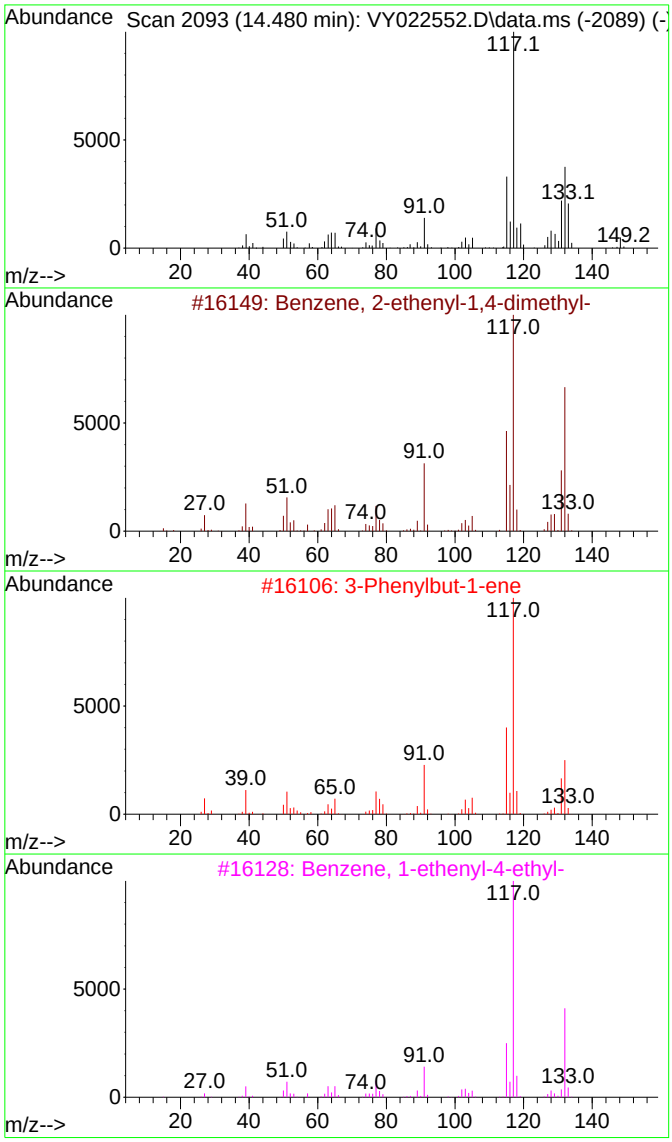
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

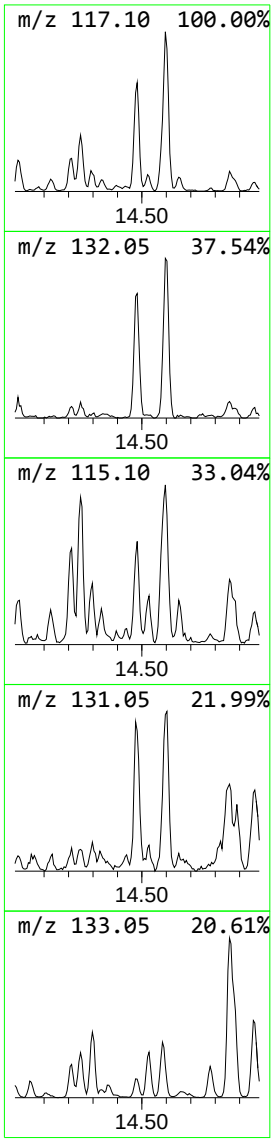
****

Peak Number 8 3-Phenylbut-1-ene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.480	14.17 ug/l	256939	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

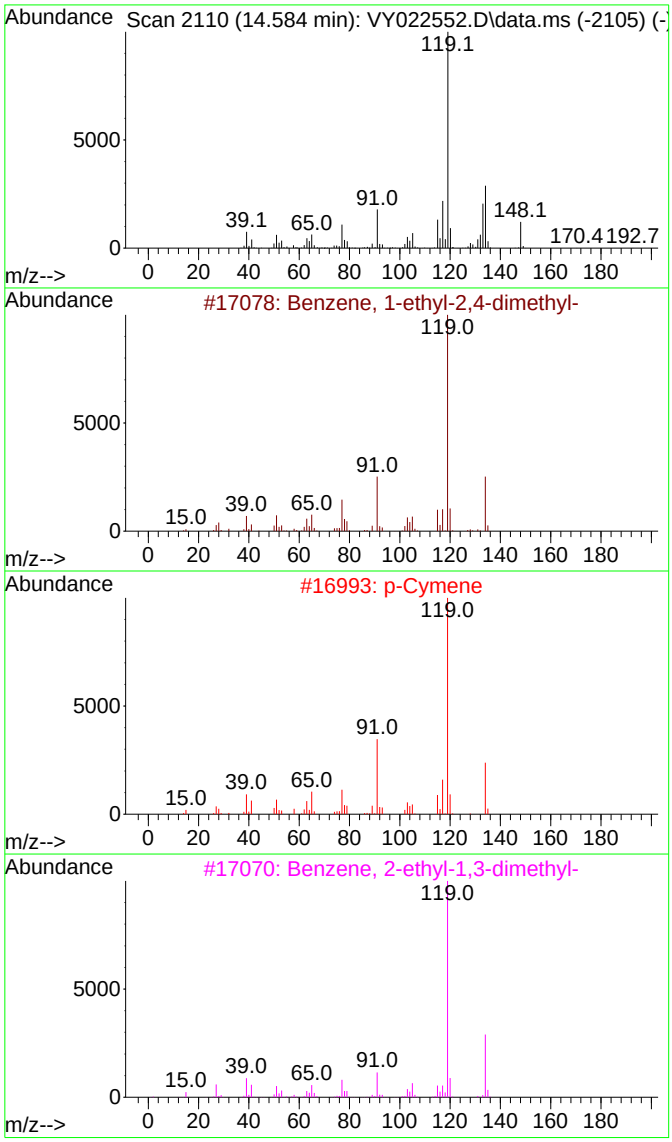
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

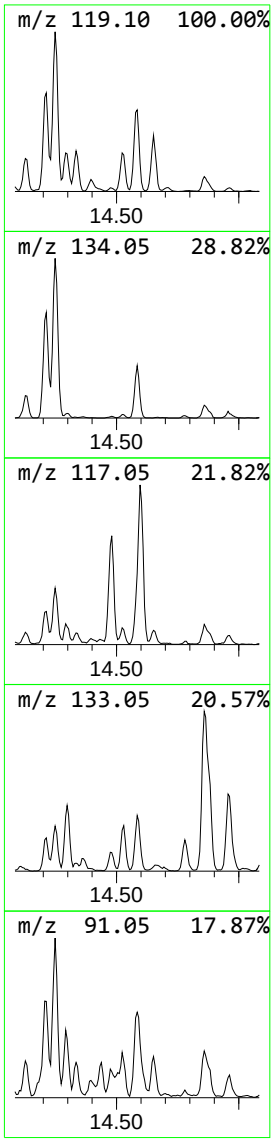
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.584	41.63 ug/l	754657	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
2	p-Cymene	134	C10H14	000099-87-6	76
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

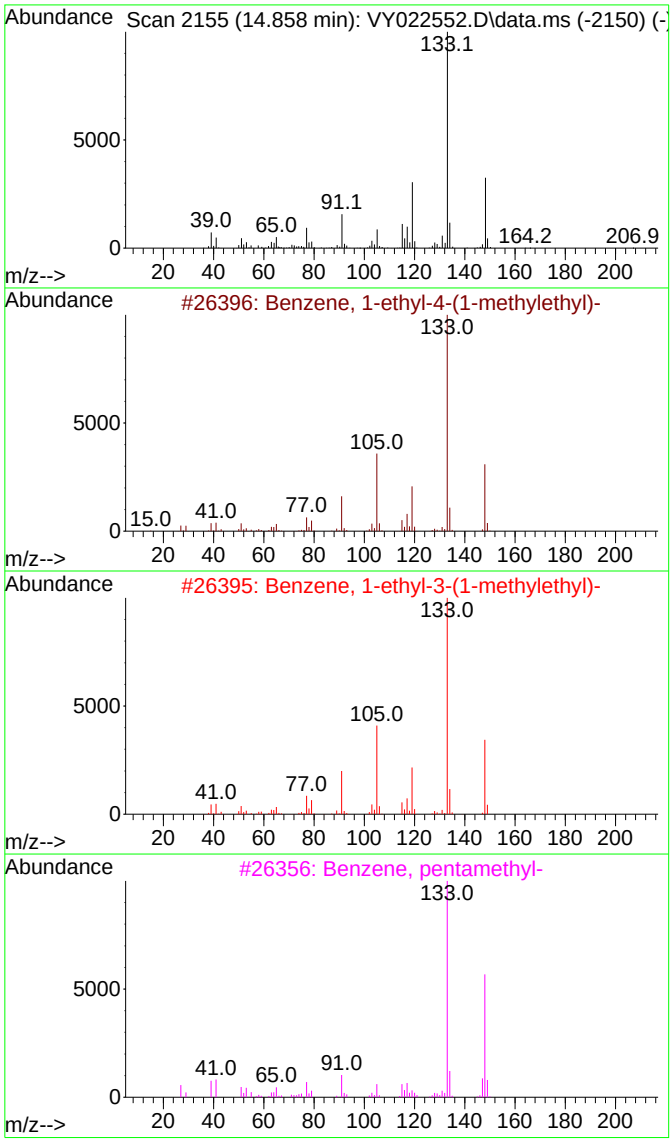
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

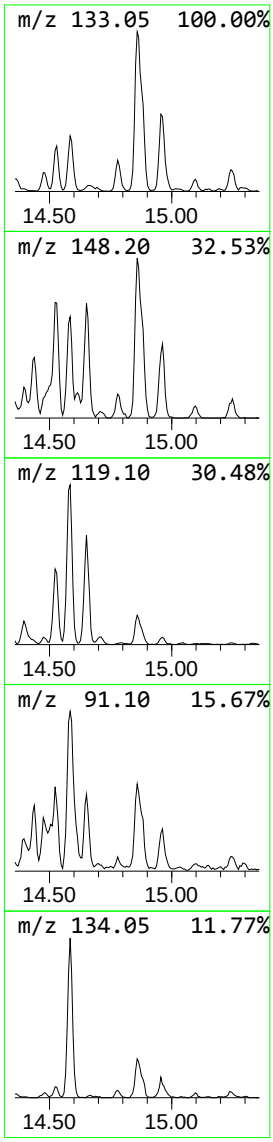
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.858	24.46 ug/l	443533	1,4-Dichlorobenzene-d4	13.341

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	91
2	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	90
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	90
4	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	87
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022552.D
Acq On : 04 Jun 2025 15:47
Operator : SY/MD
Sample : Q2198-01
Misc : 8.06g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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
Benzene, 1-ethy...	13.804	16.7	ug/l	302791	4	13.341	906480	50.0
Benzene, 2-ethy...	13.828	16.5	ug/l	299694	4	13.341	906480	50.0
Benzene, 2-ethy...	13.889	40.1	ug/l	726707	4	13.341	906480	50.0
1,4-Cyclohexadi...	13.993	14.3	ug/l	258442	4	13.341	906480	50.0
Benzene, 1,2,3,...	14.212	36.4	ug/l	659402	4	13.341	906480	50.0
Benzene, 1,2,4,...	14.249	45.5	ug/l	825832	4	13.341	906480	50.0
Benzene, 1,3-di...	14.298	16.9	ug/l	306975	4	13.341	906480	50.0
3-Phenylbut-1-ene	14.480	14.2	ug/l	256939	4	13.341	906480	50.0
Benzene, 1-ethy...	14.584	41.6	ug/l	754657	4	13.341	906480	50.0
Benzene, 1-ethy...	14.858	24.5	ug/l	443533	4	13.341	906480	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022553.D
Acq On : 04 Jun 2025 16:11
Operator : SY/MD
Sample : Q2198-03
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Quant Time: Jun 05 04:17:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

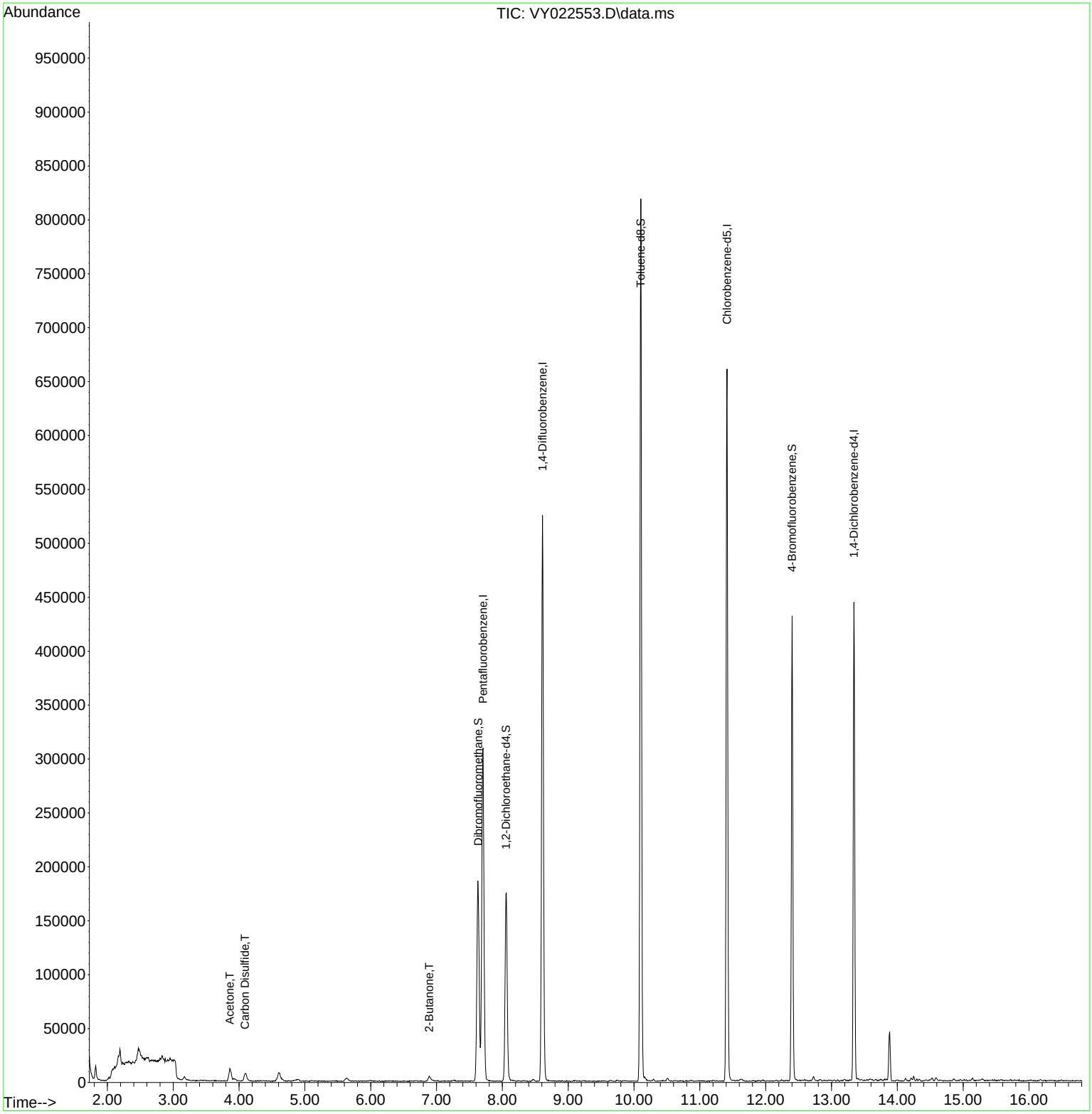
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	231939	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	422737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	324979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	101553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	133287	51.381	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.760%			
35) Dibromofluoromethane	7.634	113	127878	50.680	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.360%			
50) Toluene-d8	10.103	98	504897	49.522	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.040%			
62) 4-Bromofluorobenzene	12.401	95	114216	37.599	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.200%			
Target Compounds						Qvalue
16) Acetone	3.860	43	19200	36.445	ug/l	100
17) Carbon Disulfide	4.092	76	13600	1.747	ug/l	95
25) 2-Butanone	6.890	43	5702	7.503	ug/l	90

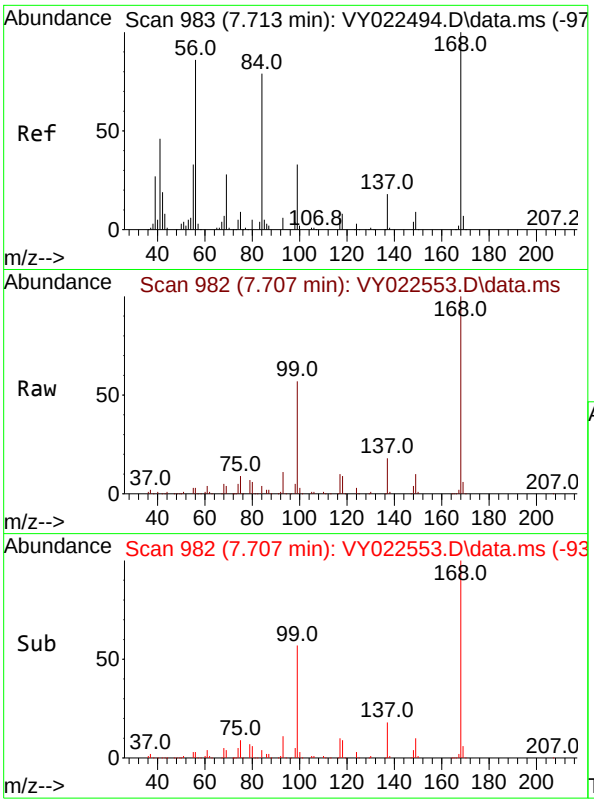
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022553.D
Acq On : 04 Jun 2025 16:11
Operator : SY/MD
Sample : Q2198-03
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Quant Time: Jun 05 04:17:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



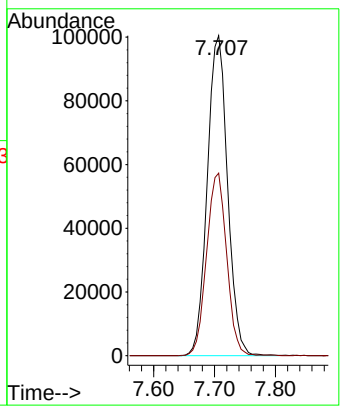


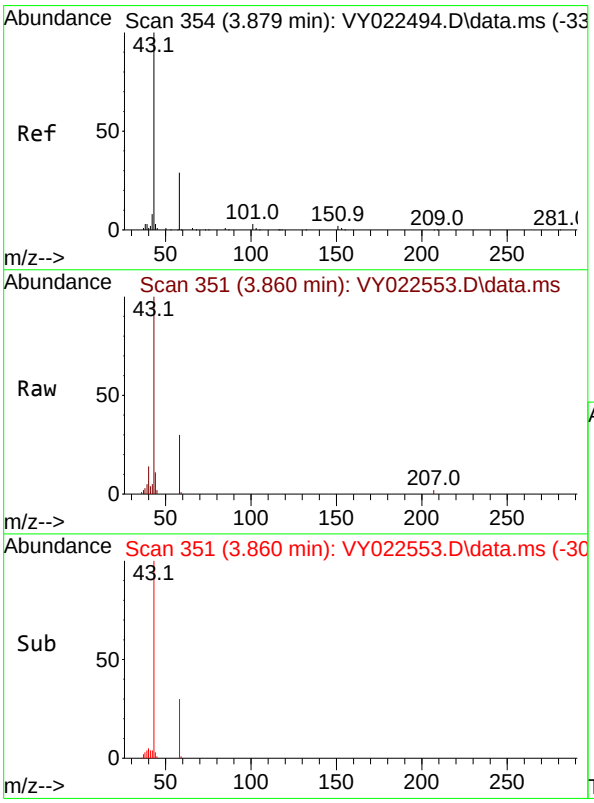
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Tgt Ion:168 Resp: 231939

Ion	Ratio	Lower	Upper
168	100		
99	57.0	44.3	66.5

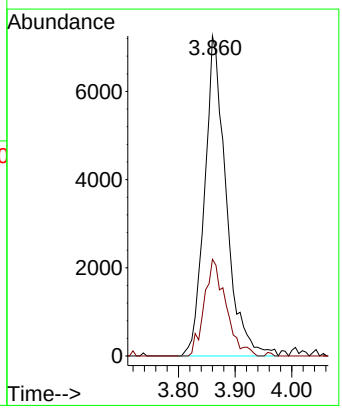


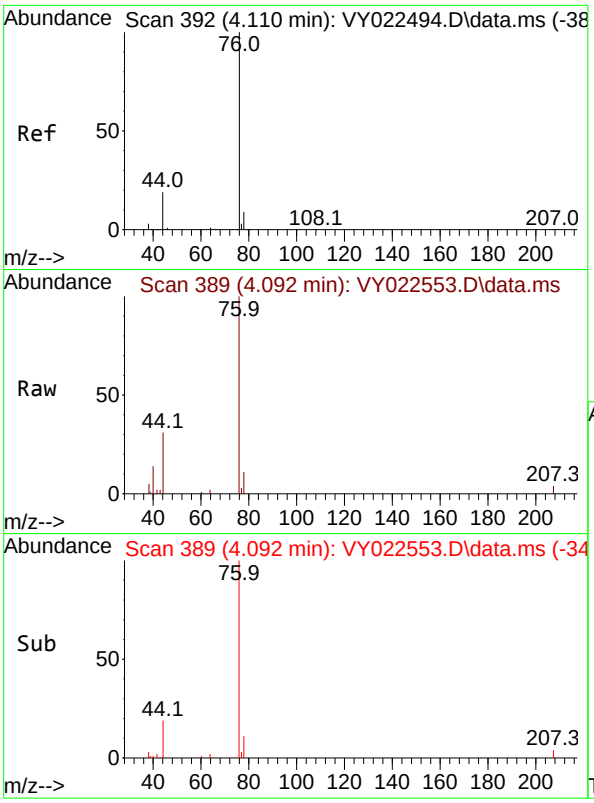


#16
Acetone
Concen: 36.445 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.019 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Tgt Ion: 43 Resp: 19200

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.0	36.0



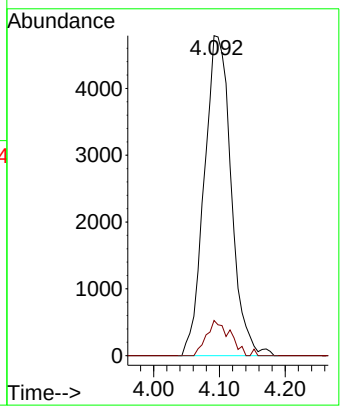


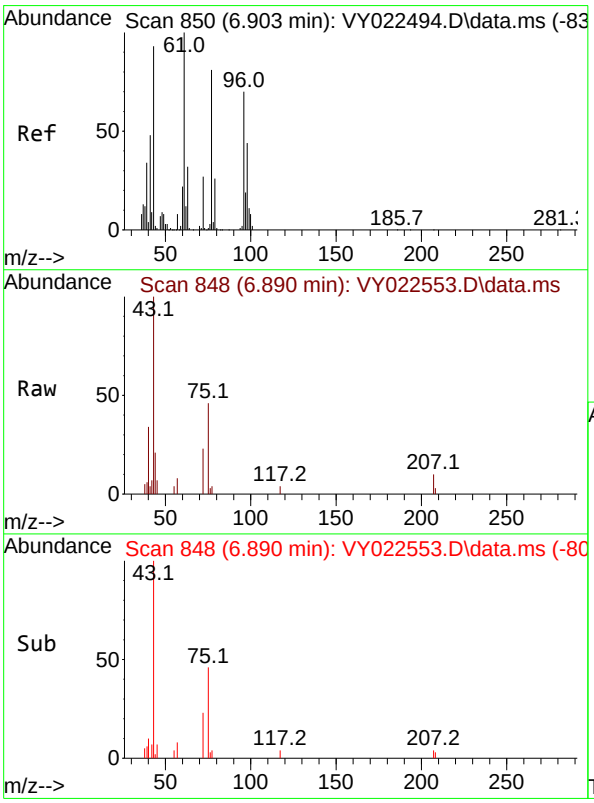
#17
Carbon Disulfide
Concen: 1.747 ug/l
RT: 4.092 min Scan# 3
Delta R.T. -0.019 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Tgt Ion: 76 Resp: 13600

Ion	Ratio	Lower	Upper
76	100		
78	11.0	7.4	11.2

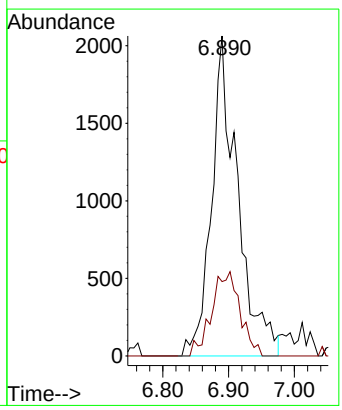


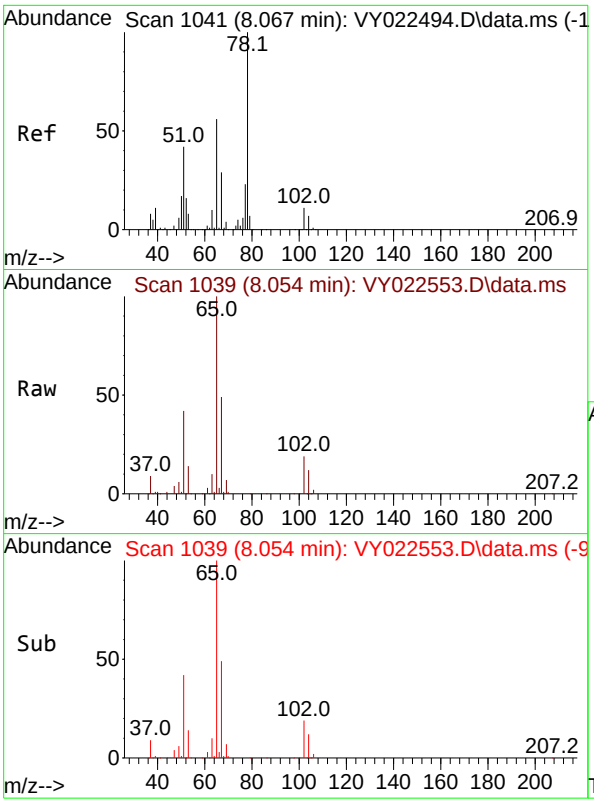


#25
2-Butanone
Concen: 7.503 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.013 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Tgt Ion: 43 Resp: 5702

Ion	Ratio	Lower	Upper
43	100		
72	23.3	22.9	34.3



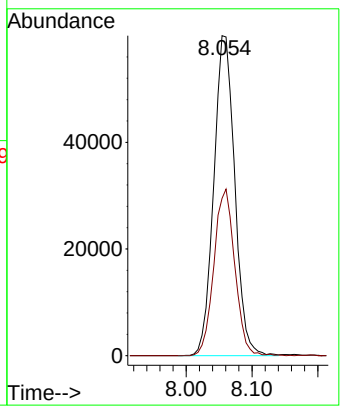


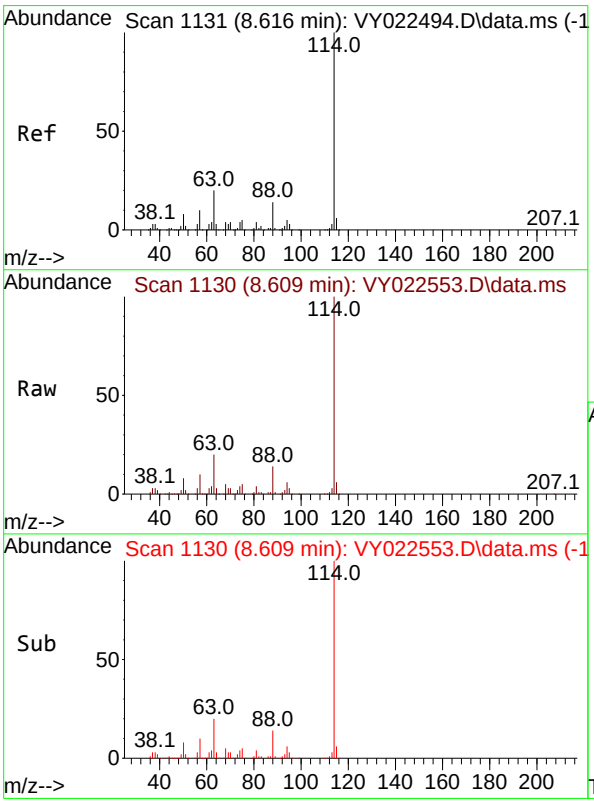
#33
1,2-Dichloroethane-d4
Concen: 51.381 ug/l
RT: 8.054 min Scan# 1
Delta R.T. -0.013 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Tgt Ion: 65 Resp: 133287

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4

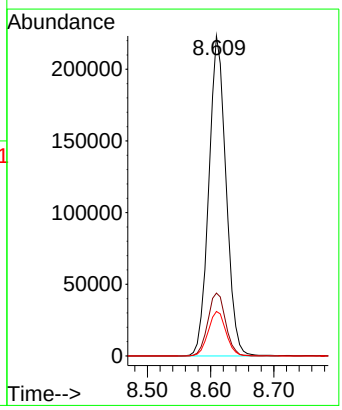


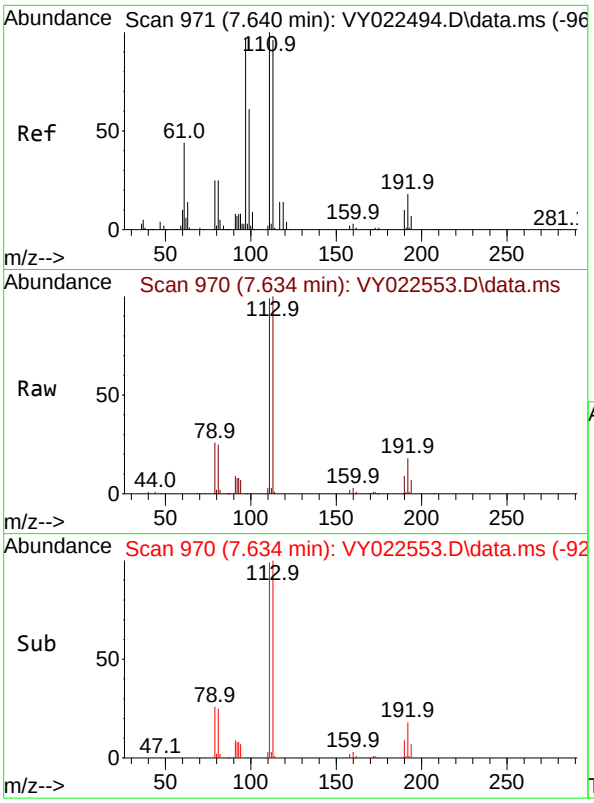


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.007 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Tgt Ion:114 Resp: 422737

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	13.9	0.0	27.8



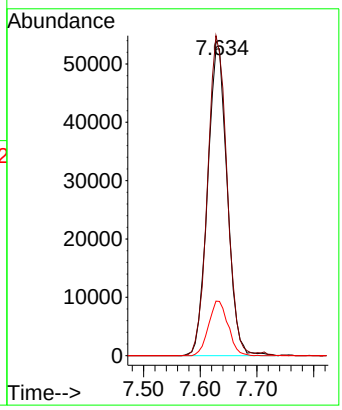


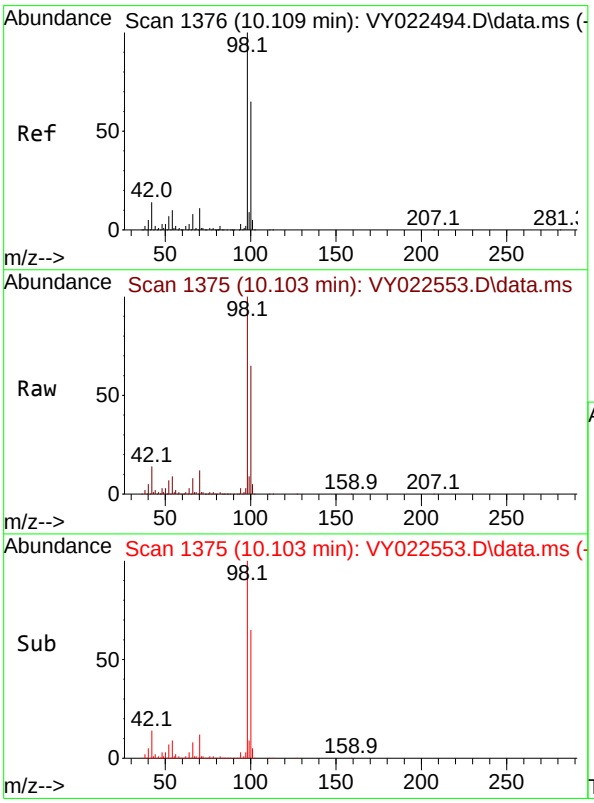
#35
Dibromofluoromethane
Concen: 50.680 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.007 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Tgt Ion:113 Resp: 127878

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.1	121.7
192	17.4	14.2	21.2

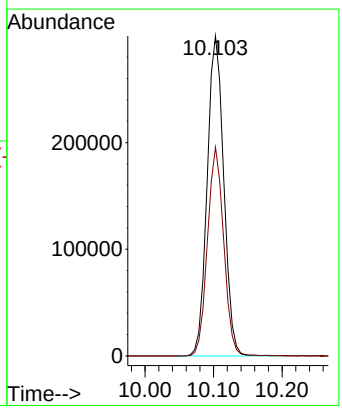


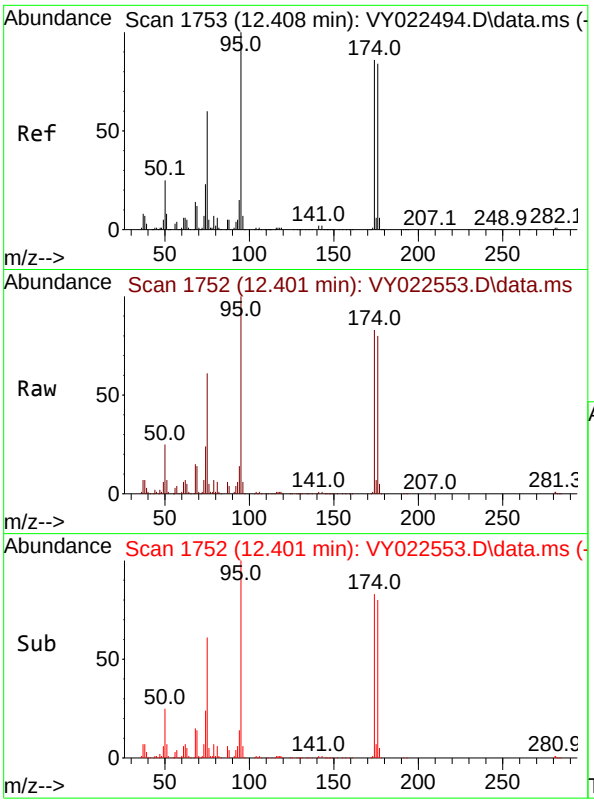


#50
Toluene-d8
Concen: 49.522 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Tgt Ion: 98 Resp: 504897

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.4	77.0



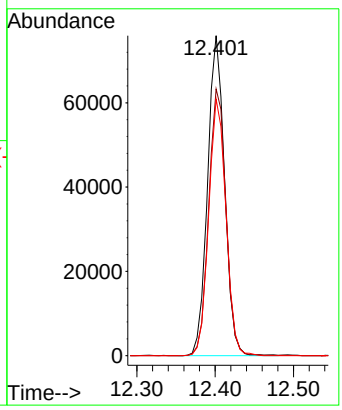


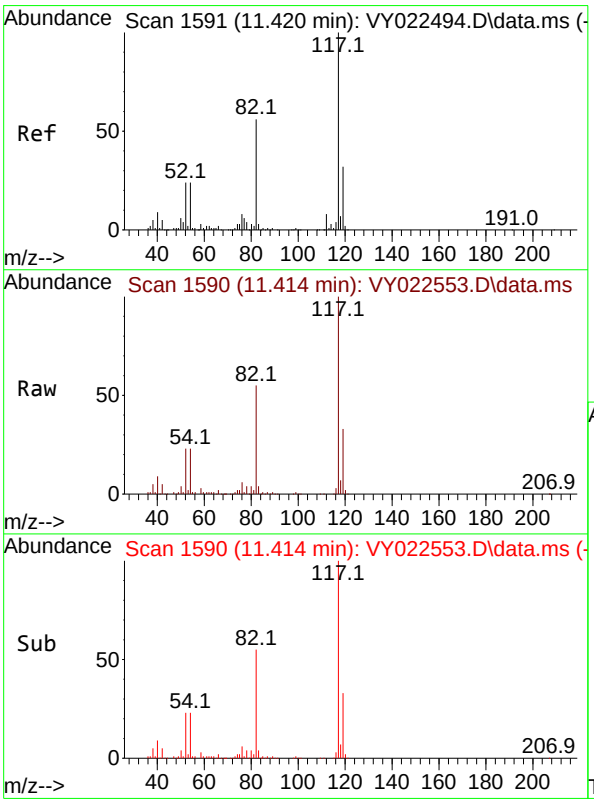
#62
4-Bromofluorobenzene
Concen: 37.599 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Tgt Ion: 95 Resp: 114216

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	170.0
176	81.4	0.0	166.2

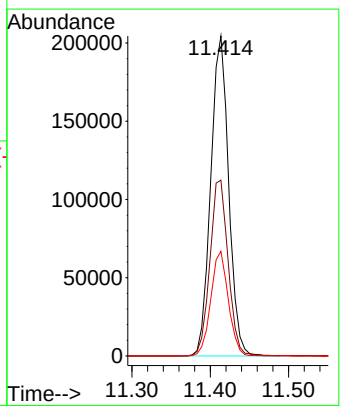


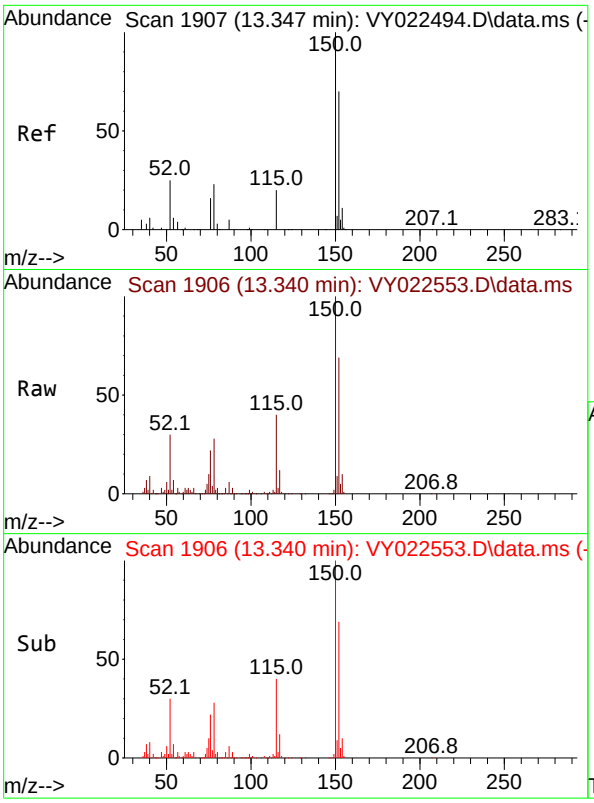


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.007 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Tgt Ion:117 Resp: 324979

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	66.8
119	32.7	25.4	38.0



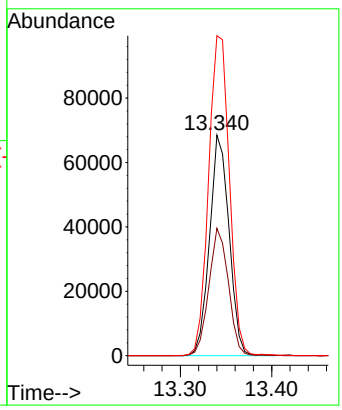


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022553.D
Acq: 04 Jun 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Tgt Ion:152 Resp: 101553

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	154.8	0.0	349.6



Sample Results: **VY022553.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022553.D
Acq On : 04 Jun 2025 16:11
Operator : SY/MD
Sample : Q2198-03
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-207-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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022553.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	23	rVB3	12758	19824	1.44%	0.301%
2	2.080	52	59	60	rBV2	8714	15743	1.14%	0.239%
3	2.190	75	77	82	rVB2	14500	17569	1.28%	0.267%
4	2.470	118	123	129	rBV3	11427	28867	2.10%	0.439%
5	3.860	345	351	358	rBV	11440	28217	2.05%	0.429%
6	4.092	383	389	402	rVB	6971	20767	1.51%	0.316%
7	4.604	464	473	482	rBV5	7721	24972	1.82%	0.379%
8	7.628	957	969	975	rBV	186054	443863	32.28%	6.745%
9	7.707	975	982	996	rVB	308765	721937	52.50%	10.970%
10	8.060	1029	1040	1050	rBV	174630	397377	28.90%	6.038%
11	8.609	1121	1130	1142	rBV	524738	1011575	73.56%	15.371%
12	10.103	1366	1375	1383	rBV	818472	1375228	100.00%	20.897%
13	11.414	1581	1590	1602	rBV	660745	1073392	78.05%	16.311%
14	12.401	1743	1752	1761	rBV	431207	658117	47.86%	10.000%
15	13.340	1899	1906	1913	rBV	443351	668609	48.62%	10.160%
16	13.883	1989	1995	2001	rVB2	45409	74903	5.45%	1.138%

Sum of corrected areas: 6580960

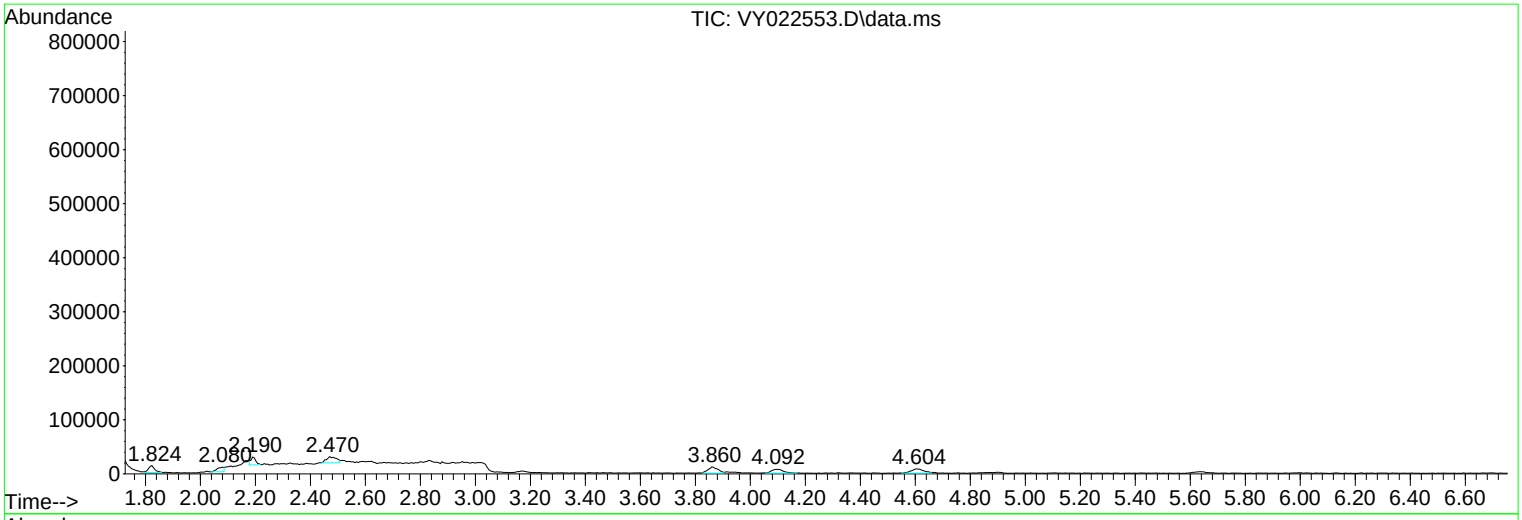
Sample Results: **VY022553.D**

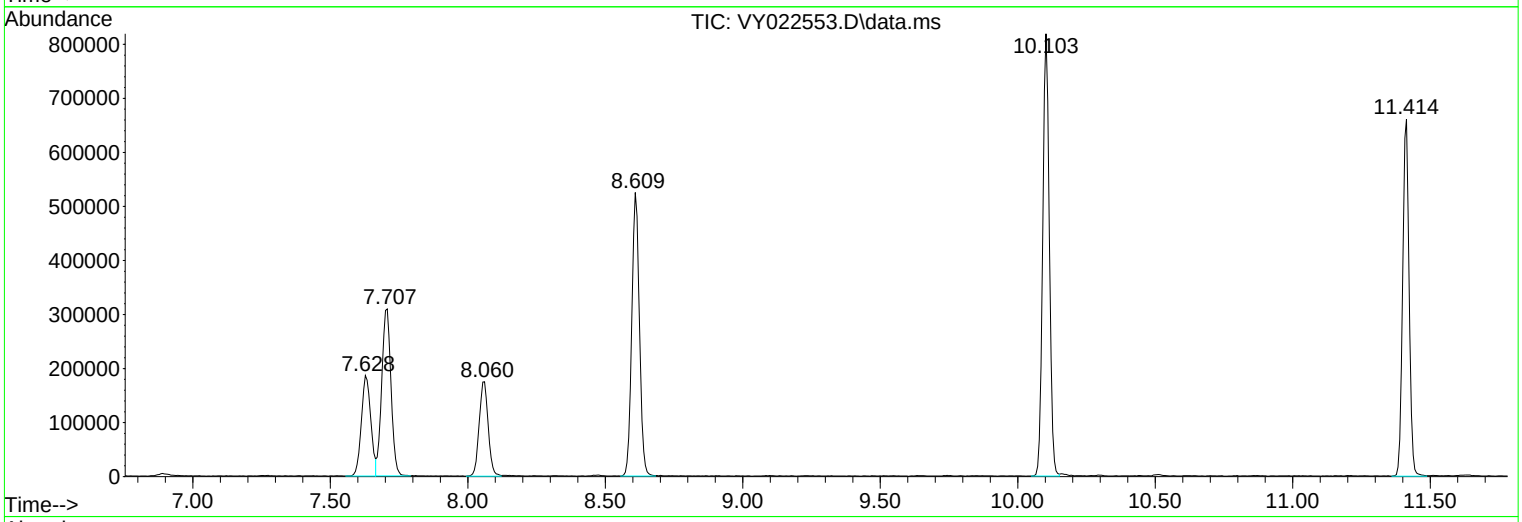
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022553.D
Acq On : 04 Jun 2025 16:11
Operator : SY/MD
Sample : Q2198-03
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

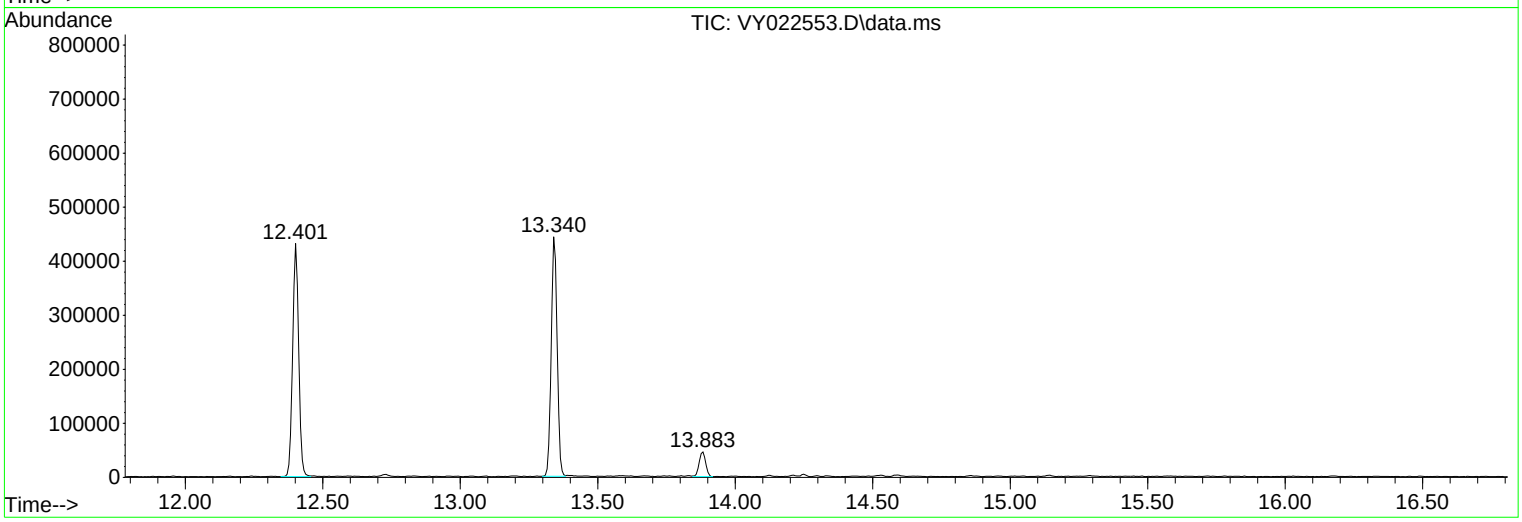
Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY022553.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022553.D
Acq On : 04 Jun 2025 16:11
Operator : SY/MD
Sample : Q2198-03
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022553.D
Acq On : 04 Jun 2025 16:11
Operator : SY/MD
Sample : Q2198-03
Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-207-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Quant Time: Jun 05 02:02:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

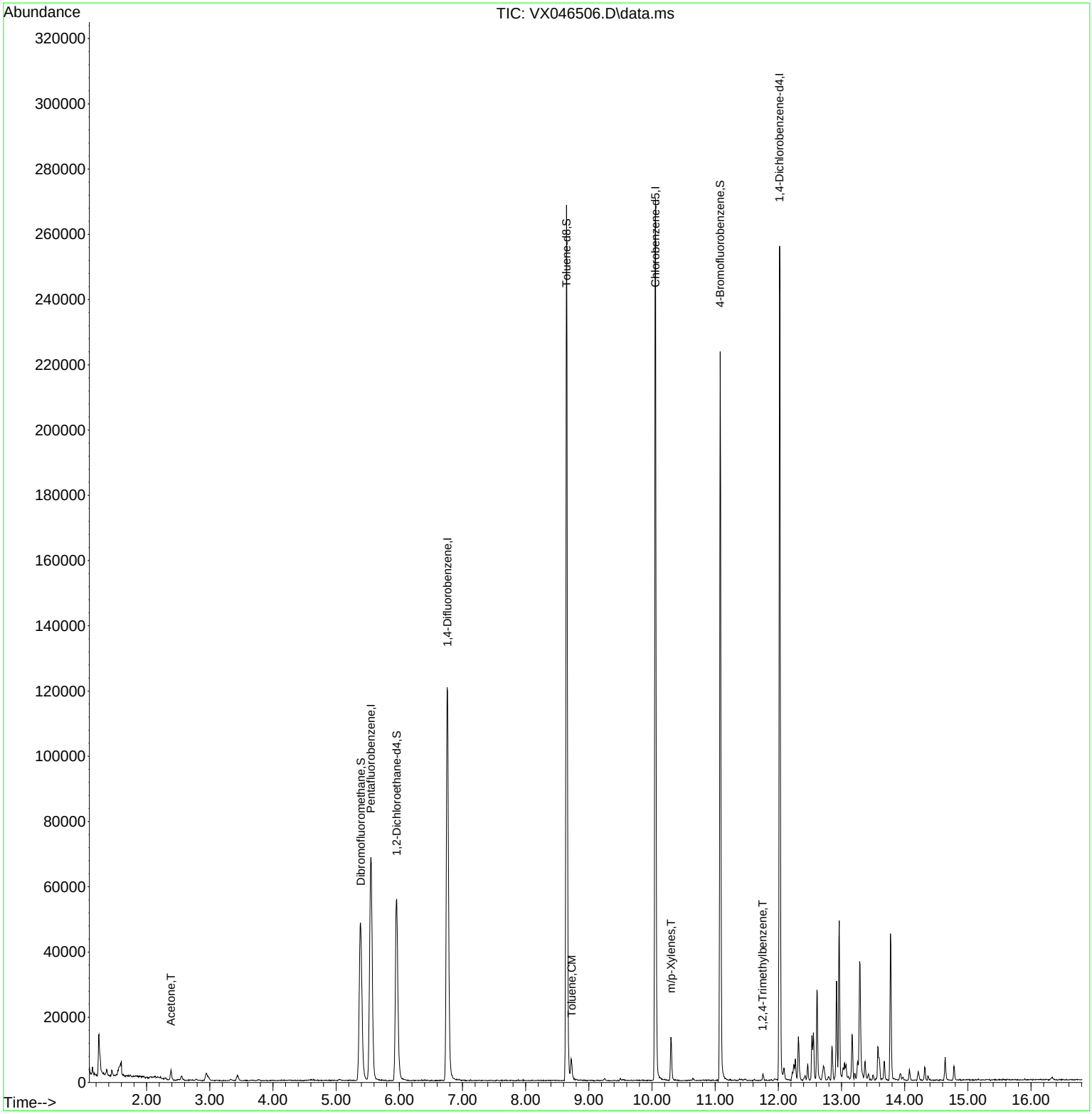
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	60413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	119148	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58784	52.192	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane	5.391	113	43685	50.915	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.840%			
50) Toluene-d8	8.647	98	149002	50.175	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	59600	52.322	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.640%			
Target Compounds						Qvalue
16) Acetone	2.386	43	2996	6.634	ug/l	100
52) Toluene	8.726	92	2404	1.161	ug/l	96
68) m/p-Xylenes	10.299	106	3157	2.011	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	1264	0.393	ug/l	86

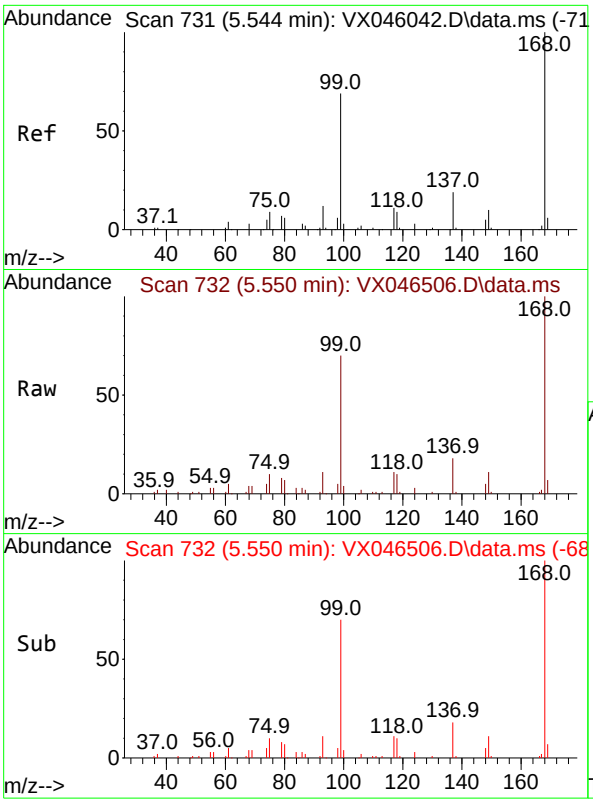
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Quant Time: Jun 05 02:02:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



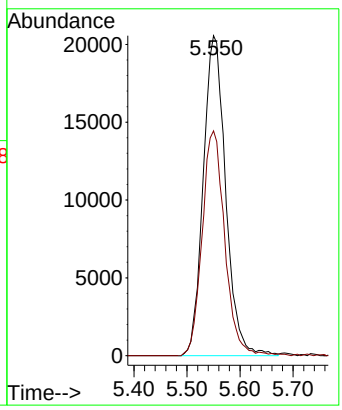


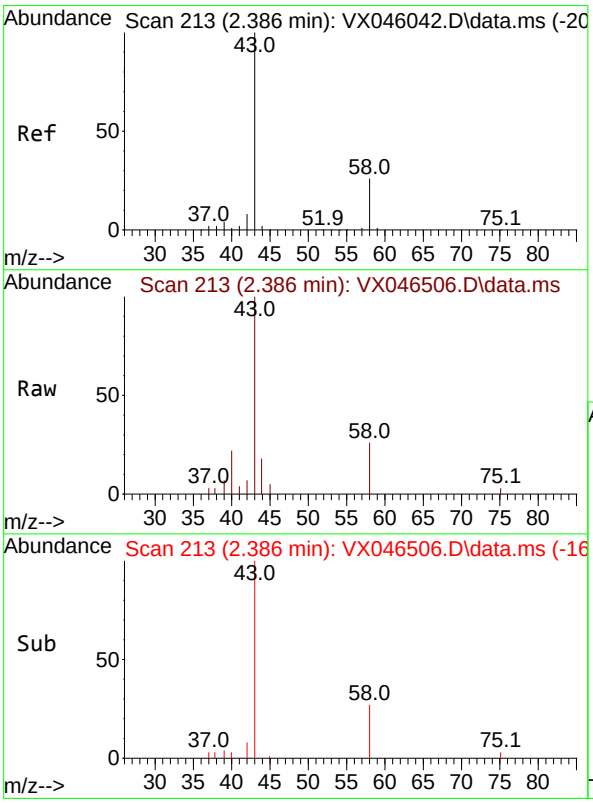
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Tgt Ion:168 Resp: 60413

Ion	Ratio	Lower	Upper
168	100		
99	70.2	54.9	82.3

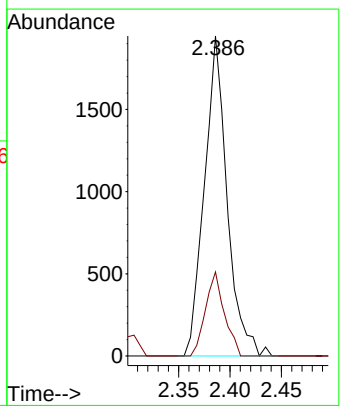


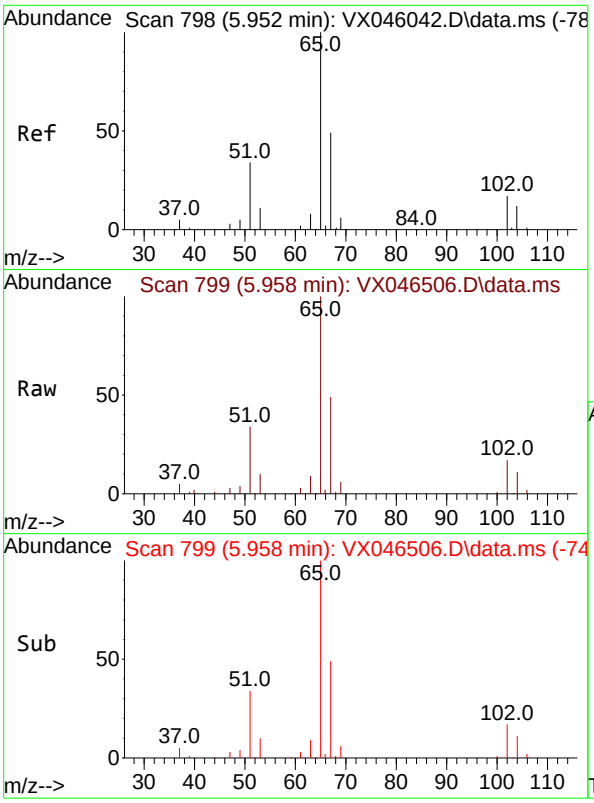


#16
Acetone
Concen: 6.634 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 43 Resp: 2996

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.2	31.8



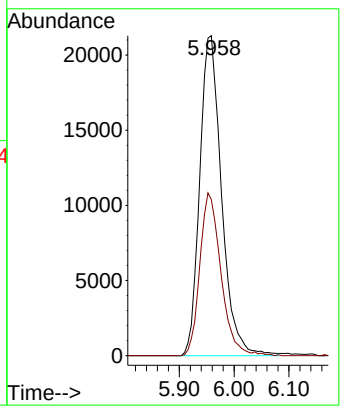


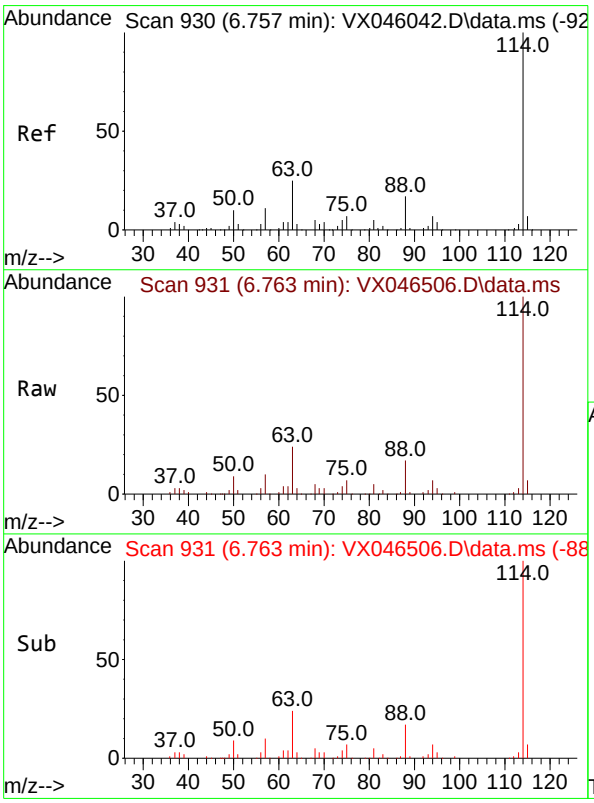
#33
1,2-Dichloroethane-d4
Concen: 52.192 ug/l
RT: 5.958 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Tgt Ion: 65 Resp: 58784

Ion	Ratio	Lower	Upper
65	100		
67	49.3	0.0	99.0

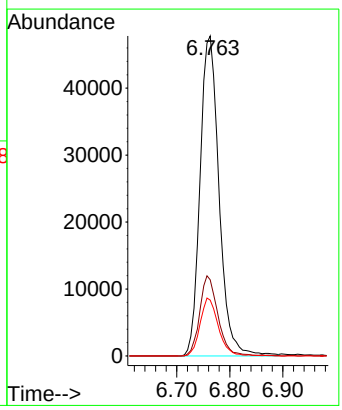


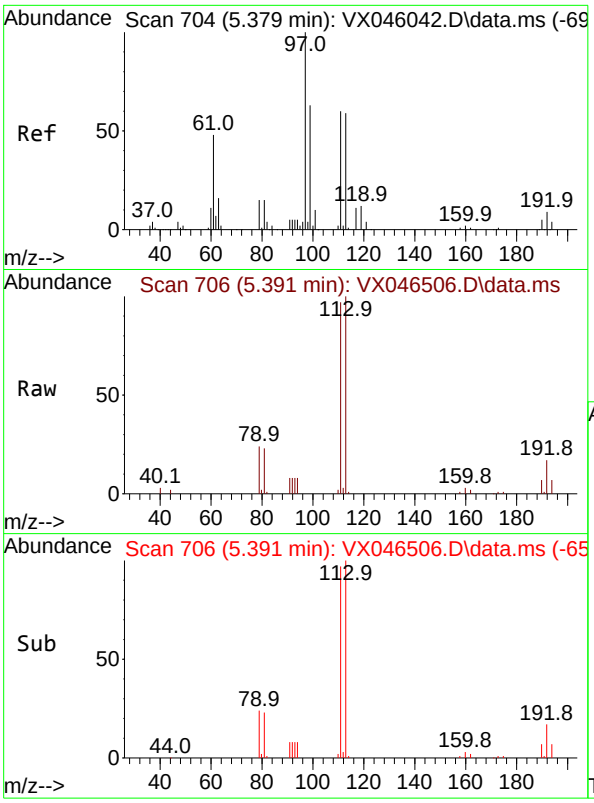


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.006 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion:114 Resp: 119148

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	49.2
88	17.4	0.0	33.6



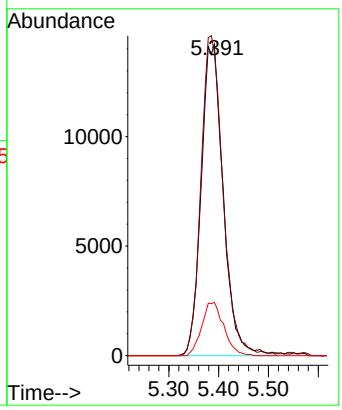


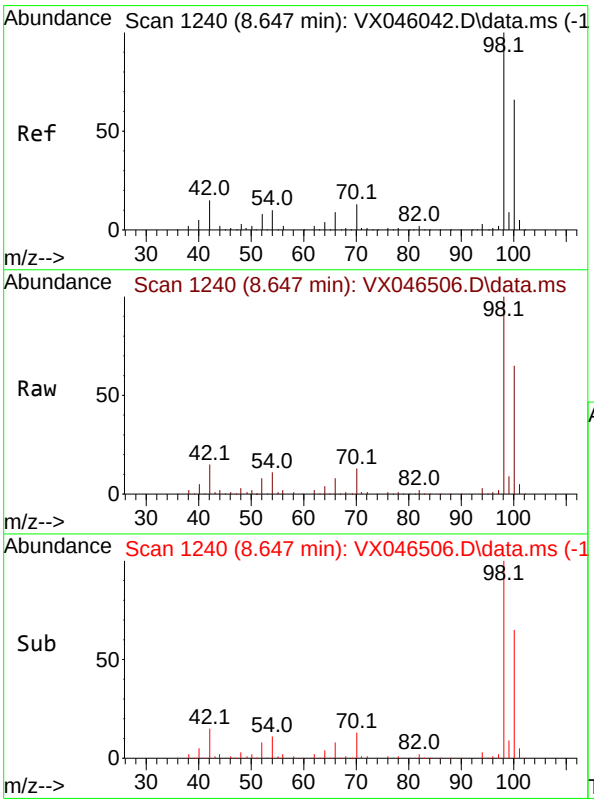
#35
Dibromofluoromethane
Concen: 50.915 ug/l
RT: 5.391 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Tgt Ion:113 Resp: 43685

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.1	124.7
192	17.2	13.3	19.9

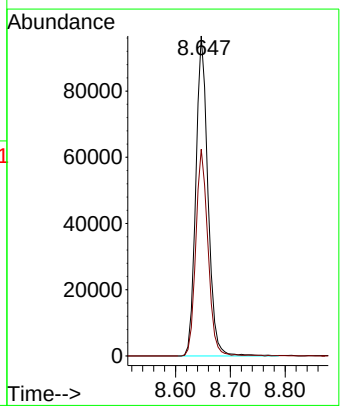


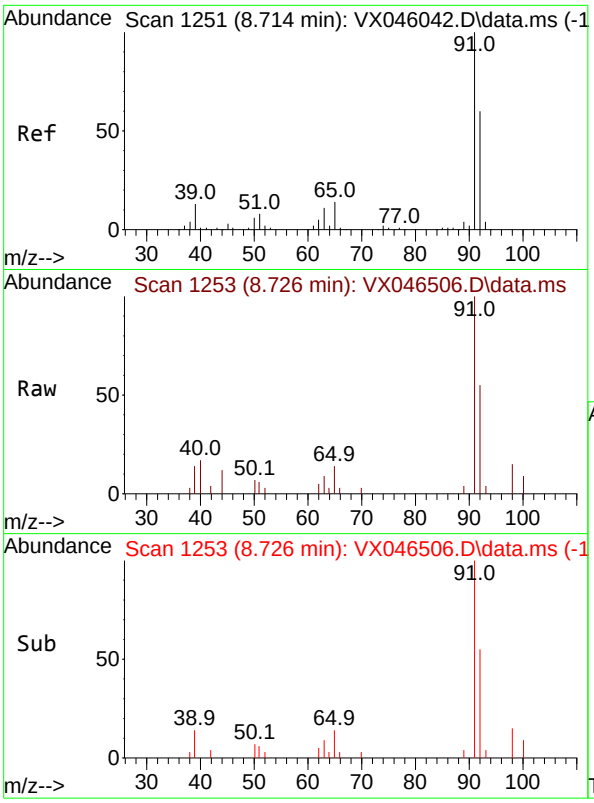


#50
Toluene-d8
Concen: 50.175 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 98 Resp: 149002

Ion	Ratio	Lower	Upper
98	100		
100	64.6	53.5	80.3



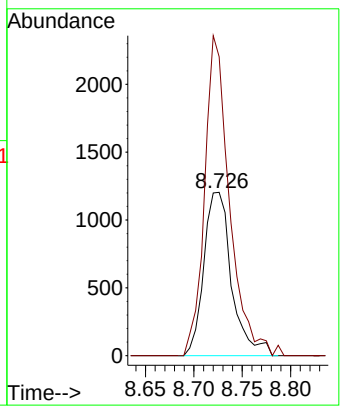


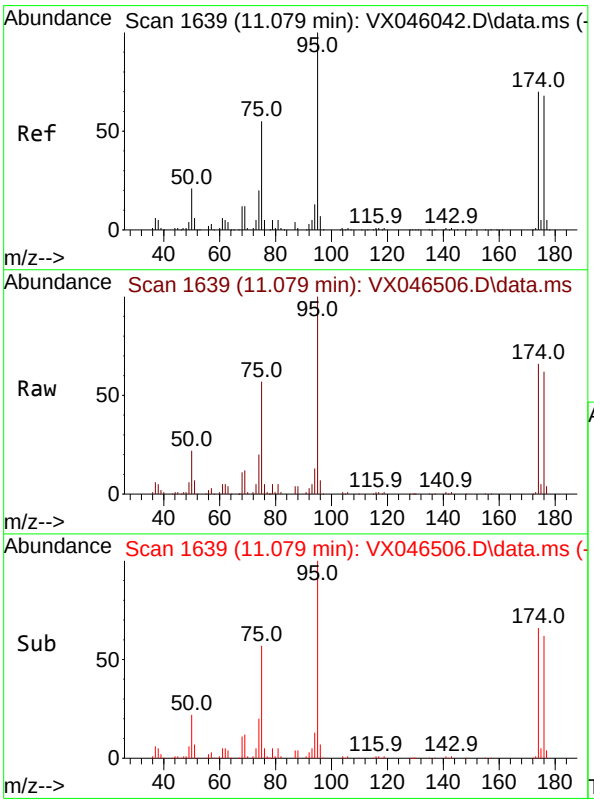
#52
Toluene
Concen: 1.161 ug/l
RT: 8.726 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Tgt Ion: 92 Resp: 2404

Ion	Ratio	Lower	Upper
92	100		
91	176.2	136.6	205.0

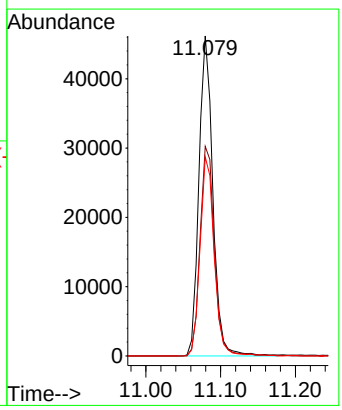


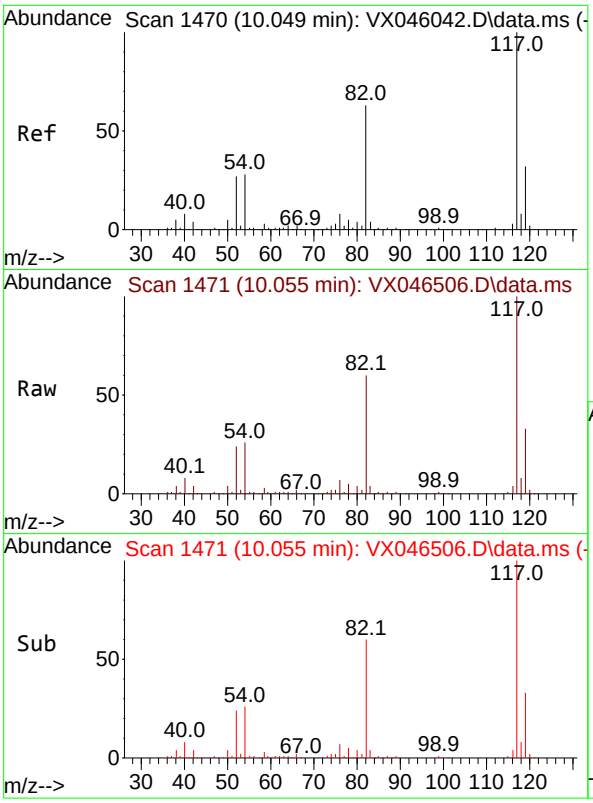


#62
4-Bromofluorobenzene
Concen: 52.322 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion: 95 Resp: 59600

Ion	Ratio	Lower	Upper
95	100		
174	67.9	0.0	135.8
176	63.3	0.0	131.4



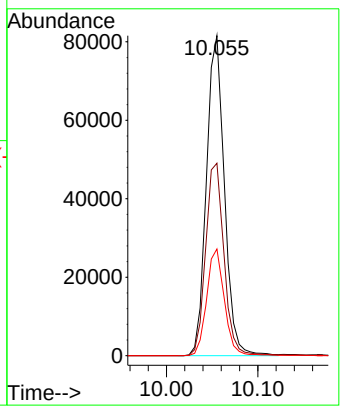


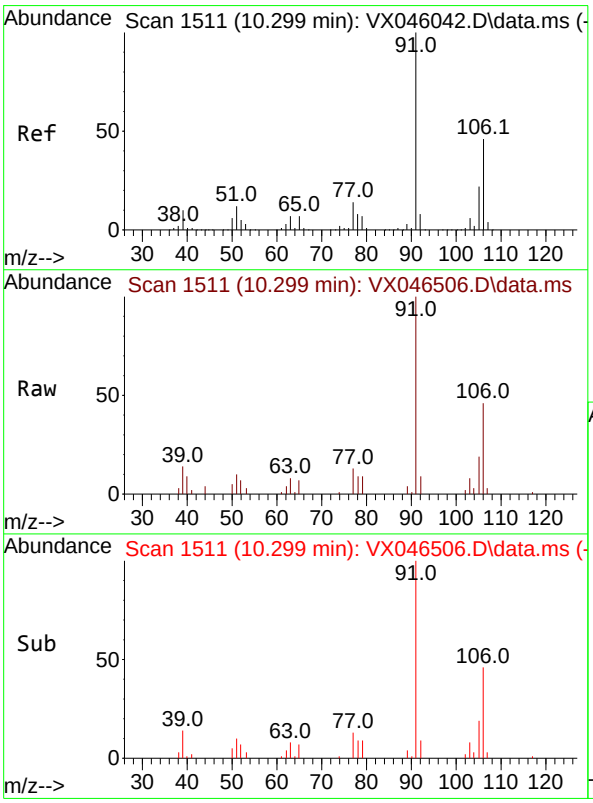
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Tgt Ion:117 Resp: 111234

Ion	Ratio	Lower	Upper
117	100		
82	60.1	50.6	76.0
119	33.4	25.8	38.6

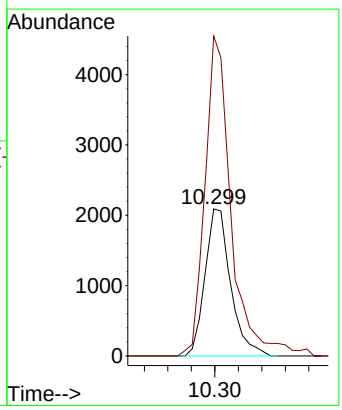


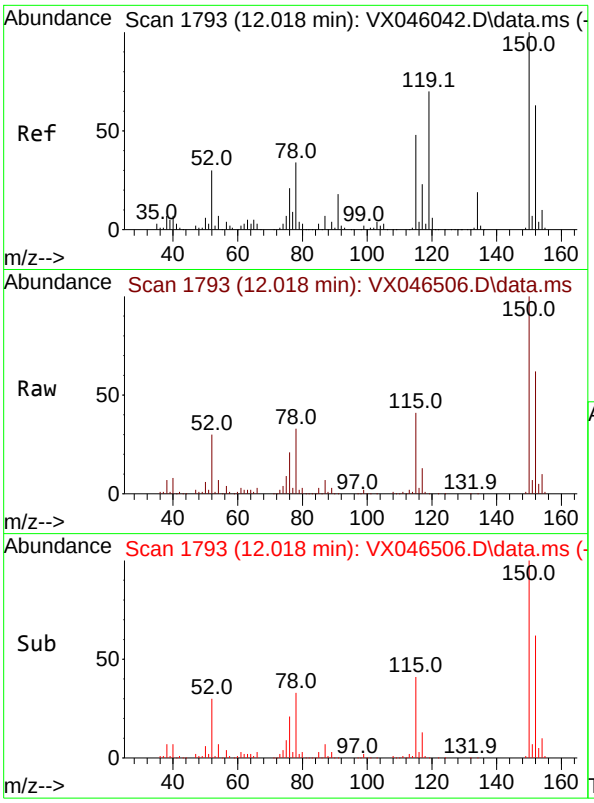


#68
m/p-Xylenes
Concen: 2.011 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion:106 Resp: 3157

Ion	Ratio	Lower	Upper
106	100		
91	222.2	171.2	256.8



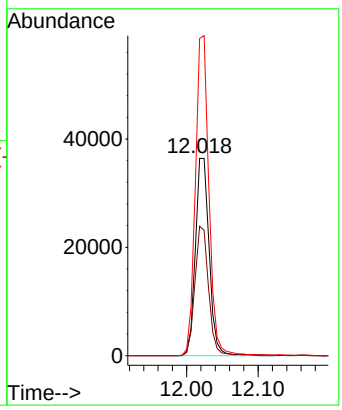


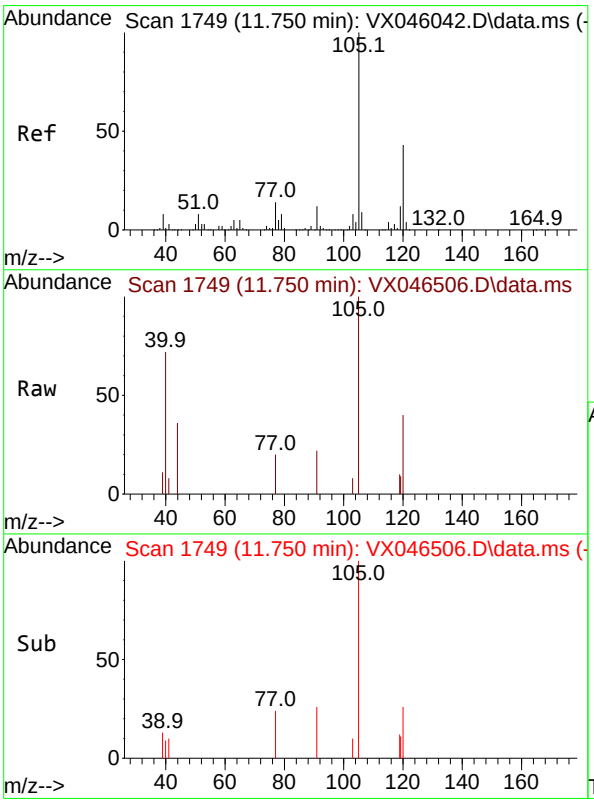
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Tgt Ion:152 Resp: 48853

Ion	Ratio	Lower	Upper
152	100		
115	65.3	46.9	140.7
150	159.4	0.0	351.0

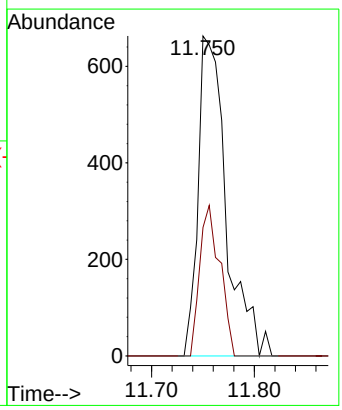




#84
1,2,4-Trimethylbenzene
Concen: 0.393 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046506.D
Acq: 04 Jun 2025 17:25

Tgt Ion:105 Resp: 1264

Ion	Ratio	Lower	Upper
105	100		
120	33.8	21.2	63.6



Sample Results: **VX046506.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

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_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046506.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.246	22	26	37	rBV	12729	24218	5.84%	0.885%
2	1.587	73	82	83	rBV5	3400	8135	1.96%	0.297%
3	2.386	205	213	220	rVB	3226	5261	1.27%	0.192%
4	2.947	299	305	319	rBV4	2265	6802	1.64%	0.249%
5	5.385	695	705	721	rBV2	48223	145454	35.05%	5.316%
6	5.550	721	732	745	rVV2	68101	196943	47.46%	7.197%
7	5.958	789	799	815	rBV	55452	153275	36.93%	5.601%
8	6.757	920	930	953	rBV	120604	301970	72.76%	11.035%
9	8.647	1234	1240	1249	rBV	268423	414997	100.00%	15.166%
10	8.720	1249	1252	1259	rVB	6280	10822	2.61%	0.395%
11	10.055	1465	1471	1481	rBV	270152	376501	90.72%	13.759%
12	10.299	1506	1511	1519	rBV	13316	19298	4.65%	0.705%
13	11.079	1634	1639	1651	rBV	223561	288140	69.43%	10.530%
14	12.018	1788	1793	1801	rBV	255729	331799	79.95%	12.126%
15	12.085	1801	1804	1810	rVB2	3484	5343	1.29%	0.195%
16	12.244	1827	1830	1832	rVV3	4890	7096	1.71%	0.259%
17	12.268	1832	1834	1838	rVV	6614	7383	1.78%	0.270%
18	12.317	1838	1842	1853	rVB	13474	20251	4.88%	0.740%
19	12.463	1862	1866	1872	rVV	5122	6153	1.48%	0.225%
20	12.530	1872	1877	1879	rVV	13729	17268	4.16%	0.631%
21	12.555	1879	1881	1886	rVV	14612	16549	3.99%	0.605%
22	12.610	1886	1890	1901	rVV	27682	36951	8.90%	1.350%
23	12.713	1901	1907	1914	rVB5	4381	9825	2.37%	0.359%
24	12.847	1925	1929	1935	rBV	10495	14522	3.50%	0.531%
25	12.921	1935	1941	1944	rVV	30189	36764	8.86%	1.344%
26	12.963	1944	1948	1955	rVV	48390	61618	14.85%	2.252%
27	13.024	1955	1958	1960	rVV4	3152	4621	1.11%	0.169%
28	13.073	1963	1966	1970	rVB2	4005	5074	1.22%	0.185%
29	13.164	1975	1981	1986	rVV2	13819	18297	4.41%	0.669%
30	13.256	1991	1996	1997	rVV2	5246	6538	1.58%	0.239%
31	13.286	1997	2001	2011	rVV2	35852	59341	14.30%	2.169%
32	13.372	2011	2015	2020	rVB2	5039	6794	1.64%	0.248%
33	13.573	2044	2048	2051	rBV2	9890	14292	3.44%	0.522%
34	13.676	2061	2065	2070	rVB2	5721	7260	1.75%	0.265%
35	13.774	2076	2081	2089	rBV	45026	62148	14.98%	2.271%
36	14.073	2125	2130	2135	rBV2	3290	4191	1.01%	0.153%

Sample Results: **VX046506.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

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_X\Method\82X050525W.M
Title : SW846 8260

37	14.213	2149	2153	2159	rBV5	2727	4313	1.04%	0.158%
38	14.317	2166	2170	2176	rVB	4004	5056	1.22%	0.185%
39	14.640	2219	2223	2230	rBV	7024	9068	2.19%	0.331%
40	14.780	2241	2246	2252	rBV2	4343	6030	1.45%	0.220%

Sum of corrected areas: 2736361

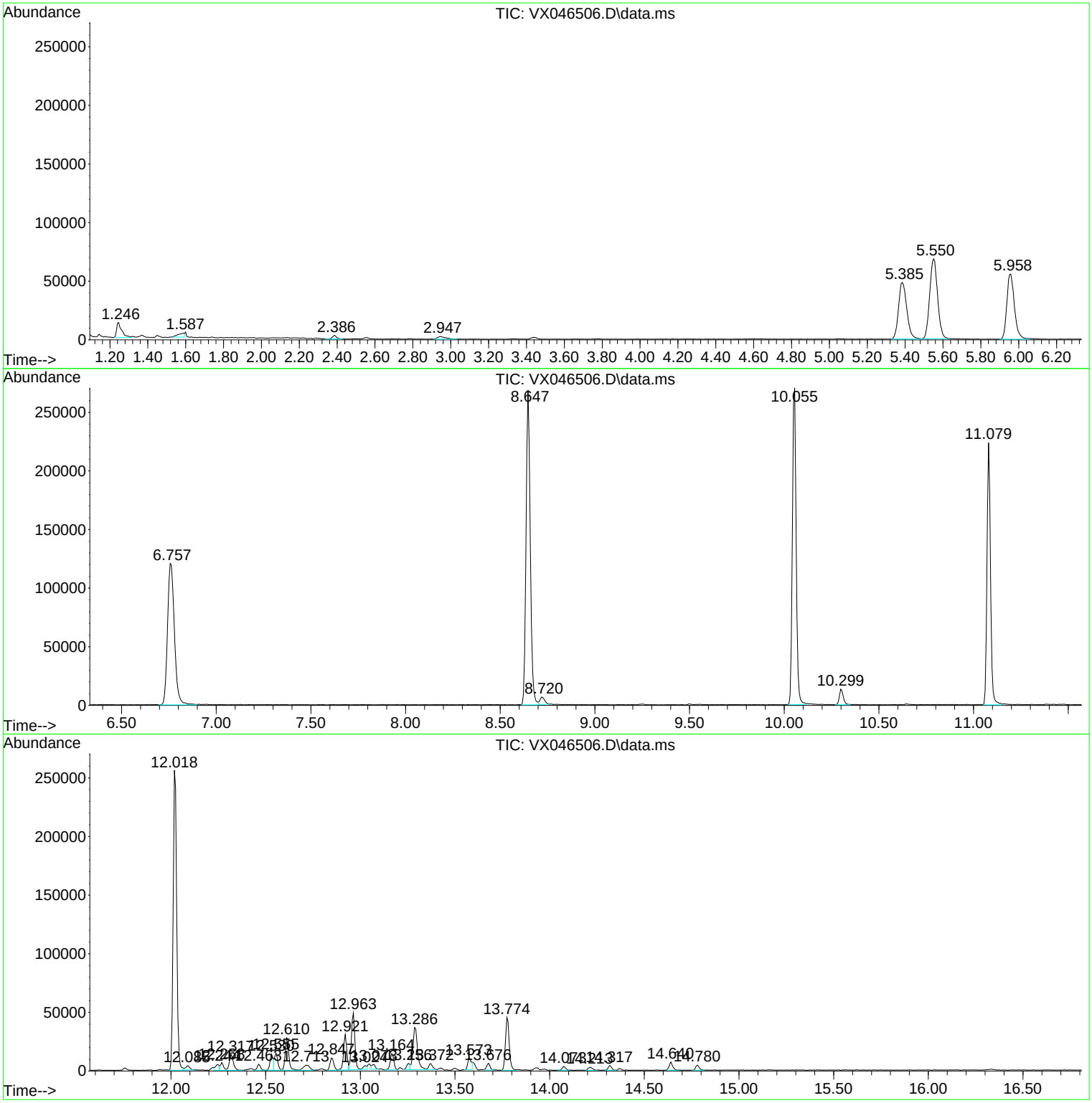
Sample Results: **VX046506.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

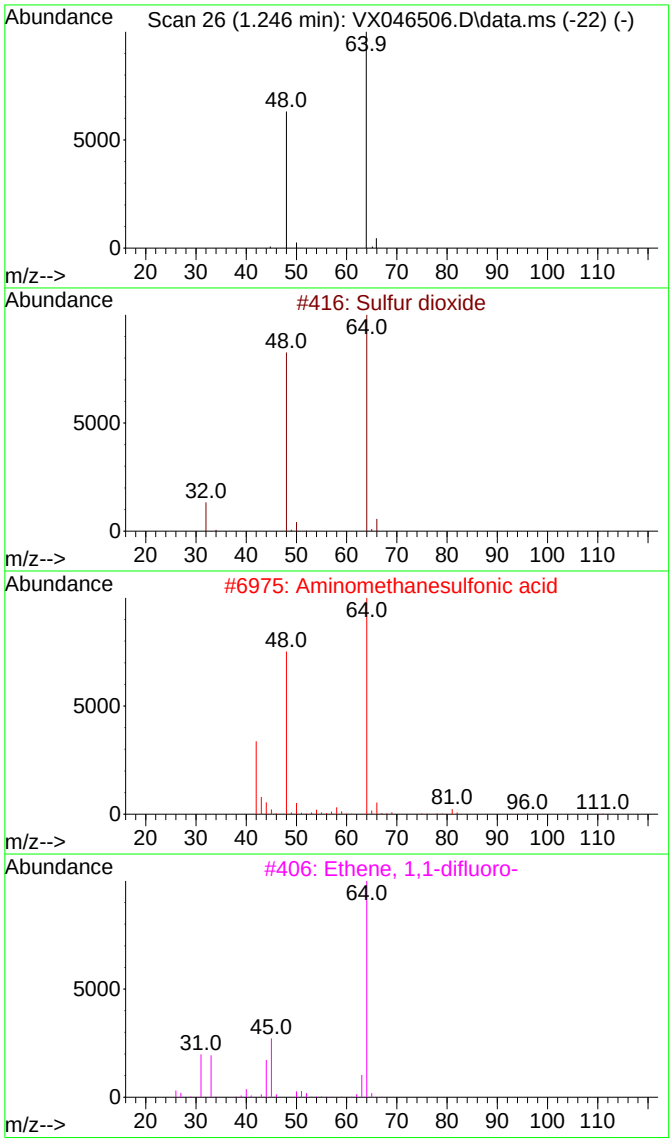
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

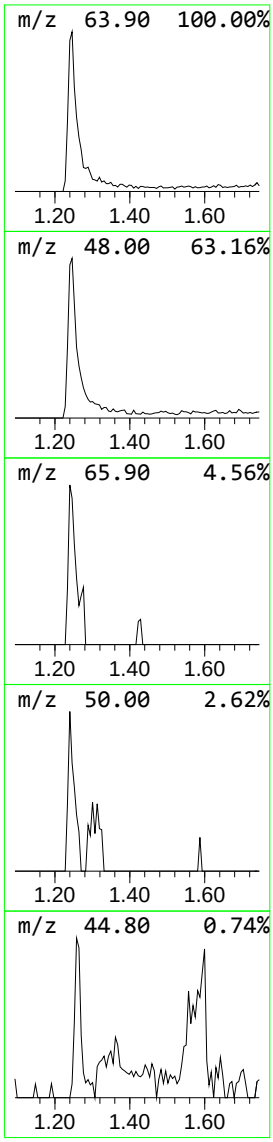
****

Peak Number 1 Sulfur dioxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.246	6.15 ug/l	24218	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	74
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
3	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
4	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	3
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

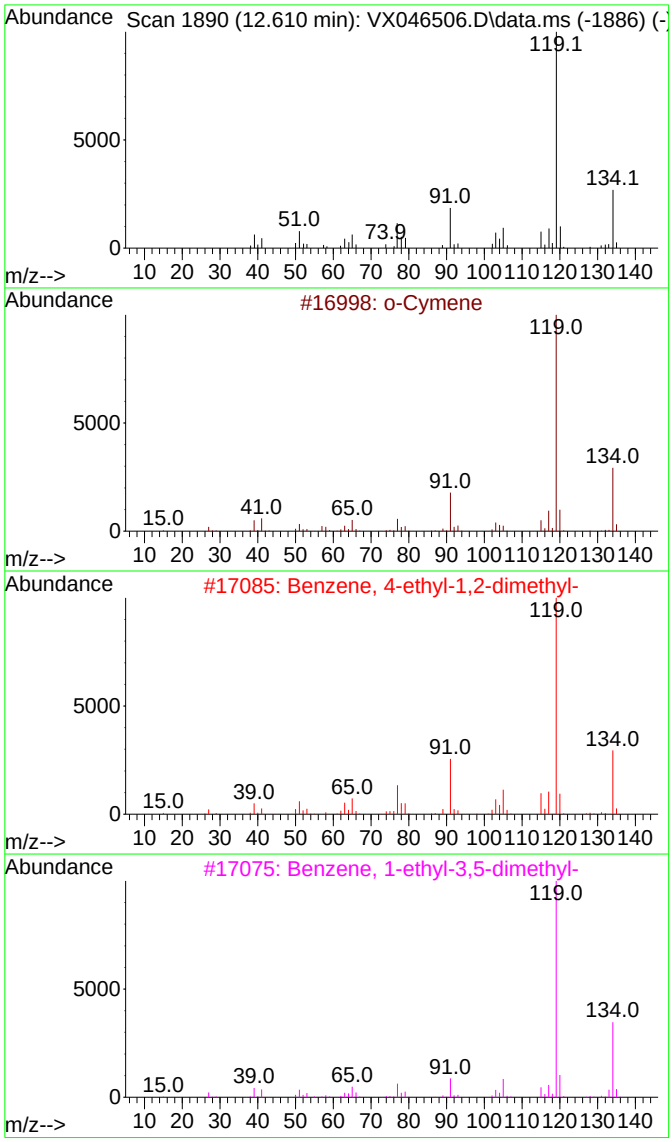
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

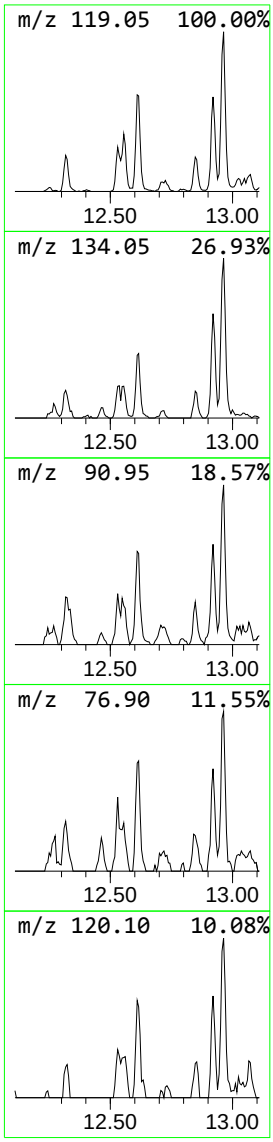
****

Peak Number 2 o-Cymene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.610	5.57 ug/l	36951	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

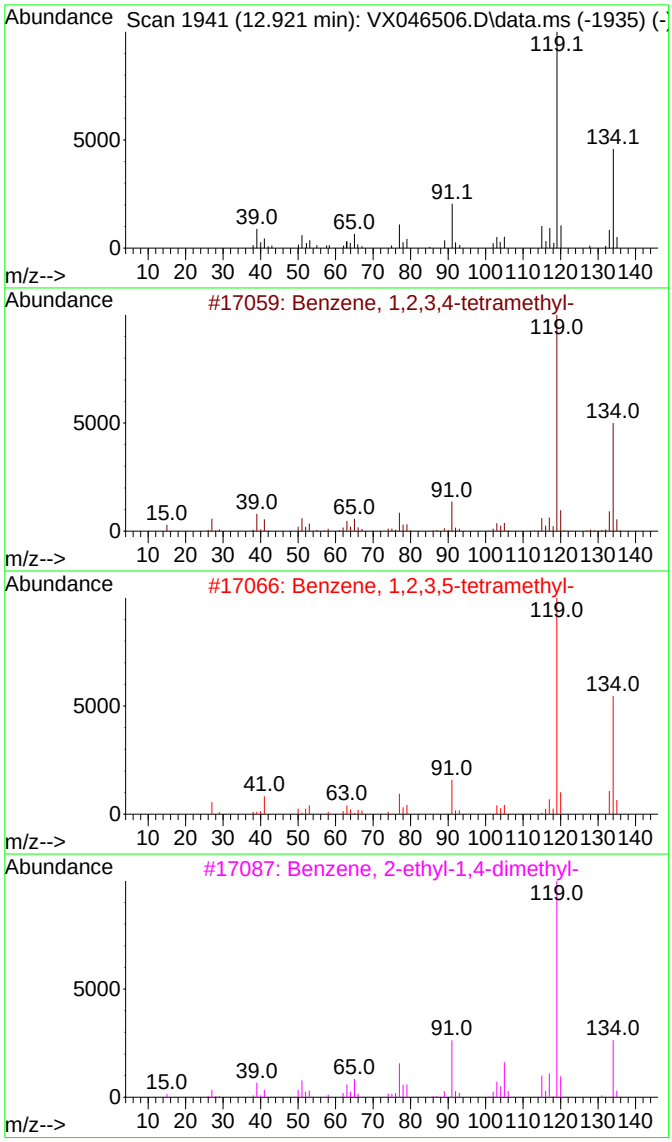
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

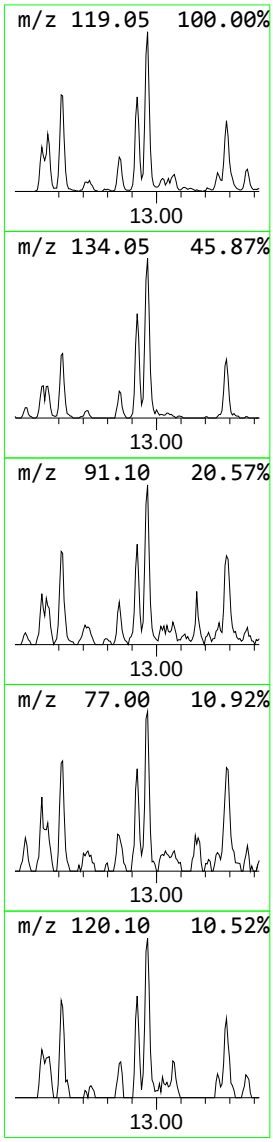
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.921	5.54 ug/l	36764	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

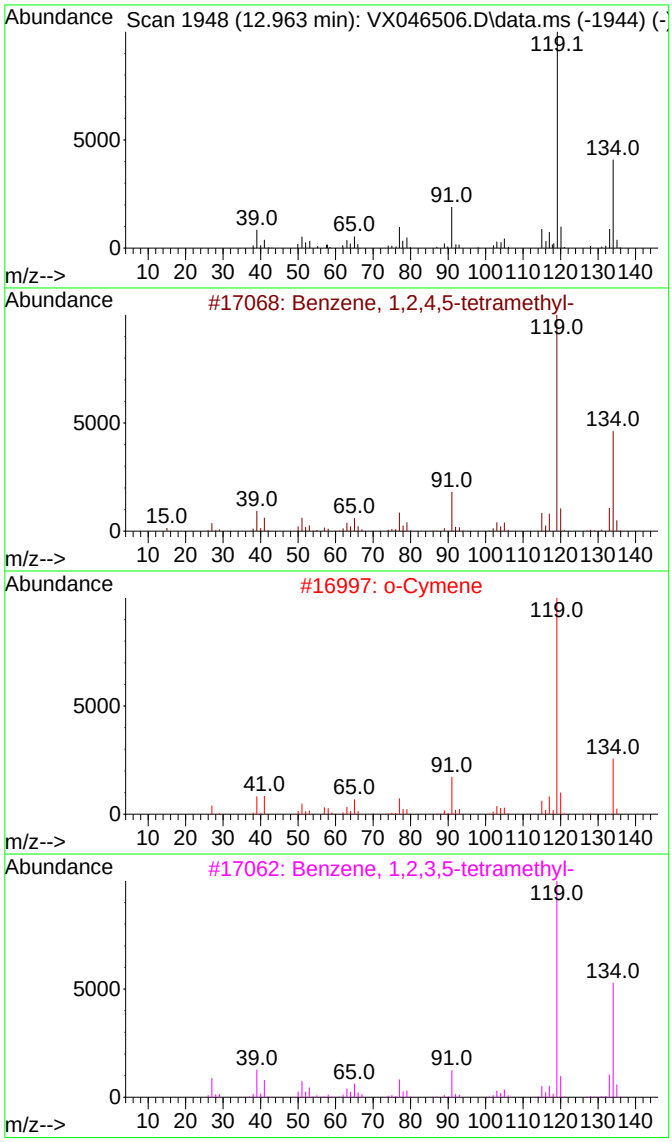
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

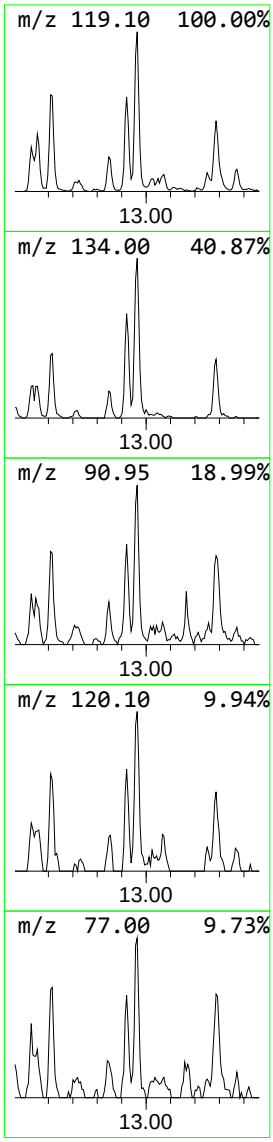
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.963	9.29 ug/l	61618	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

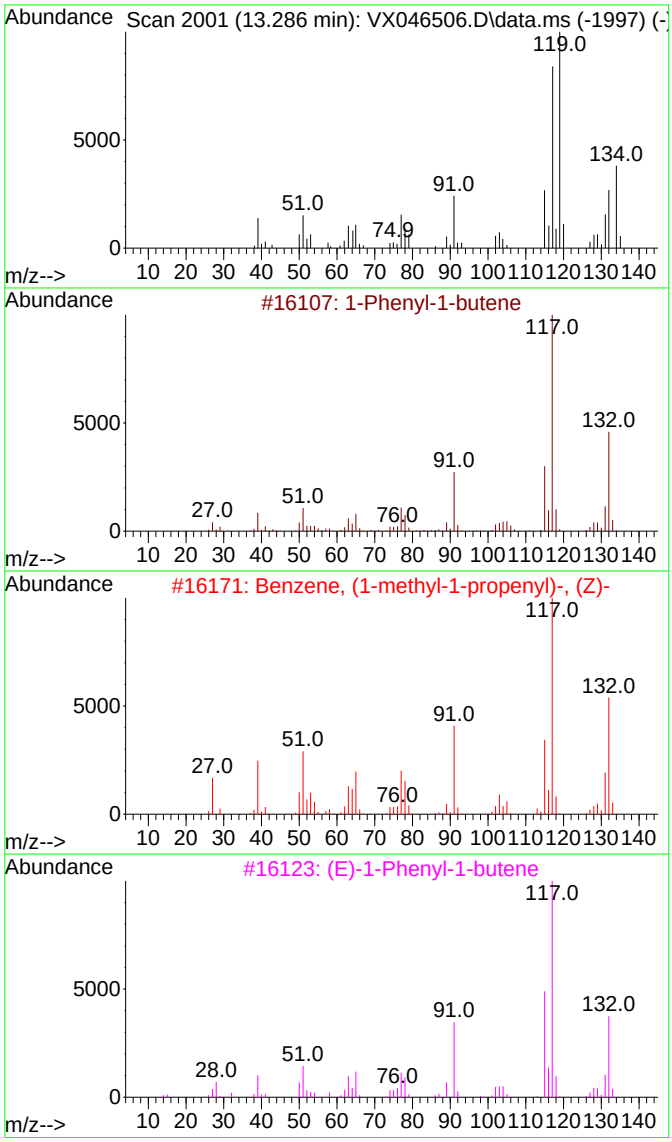
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

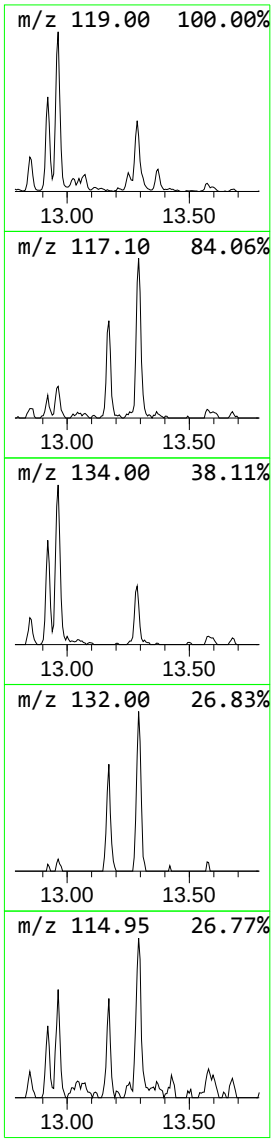
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	8.94 ug/l	59341	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	60
4	o-Cymene	134	C10H14	000527-84-4	55
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046506.D
Acq On : 04 Jun 2025 17:25
Operator : JC/MD
Sample : Q2198-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
B-202-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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
Sulfur dioxide	1.246	6.2	ug/l	24218	1	5.550	196943	50.0
o-Cymene	12.610	5.6	ug/l	36951	4	12.018	331799	50.0
Benzene, 1,2,3,...	12.921	5.5	ug/l	36764	4	12.018	331799	50.0
Benzene, 1,2,4,...	12.963	9.3	ug/l	61618	4	12.018	331799	50.0
1-Phenyl-1-butene	13.286	8.9	ug/l	59341	4	12.018	331799	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046490.D
Acq On : 04 Jun 2025 11:04
Operator : JC/MD
Sample : VX0604WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Quant Time: Jun 05 01:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

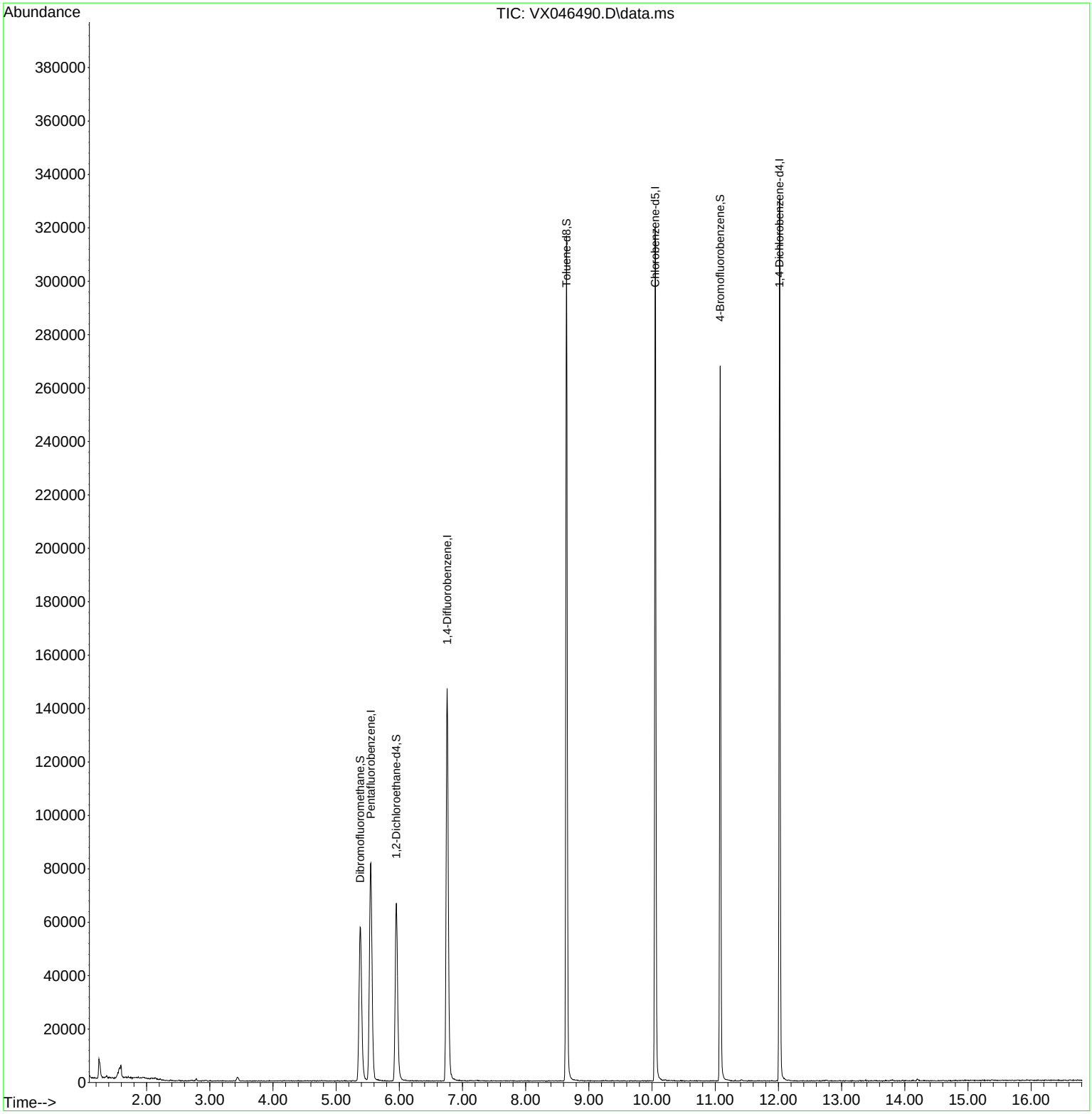
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	69580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139946	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	69212	53.355	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.720%			
35) Dibromofluoromethane	5.379	113	50780	50.389	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.780%			
50) Toluene-d8	8.647	98	175770	50.393	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	11.079	95	71016	53.079	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.160%			
Target Compounds						Qvalue

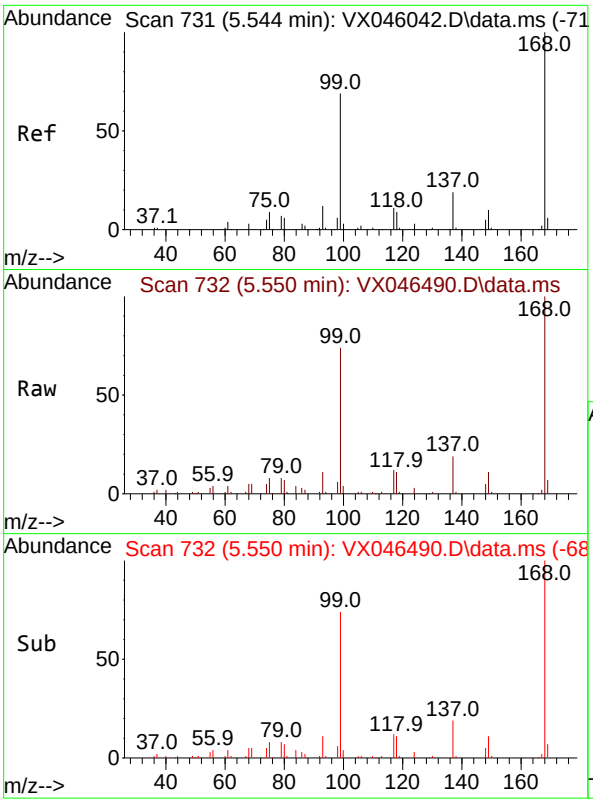
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046490.D
Acq On : 04 Jun 2025 11:04
Operator : JC/MD
Sample : VX0604WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Quant Time: Jun 05 01:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration



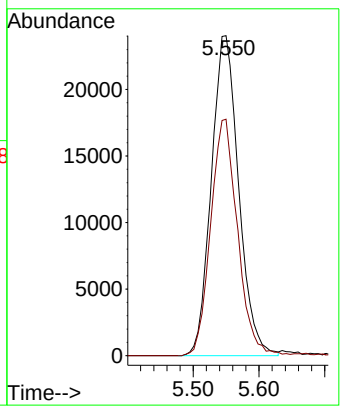


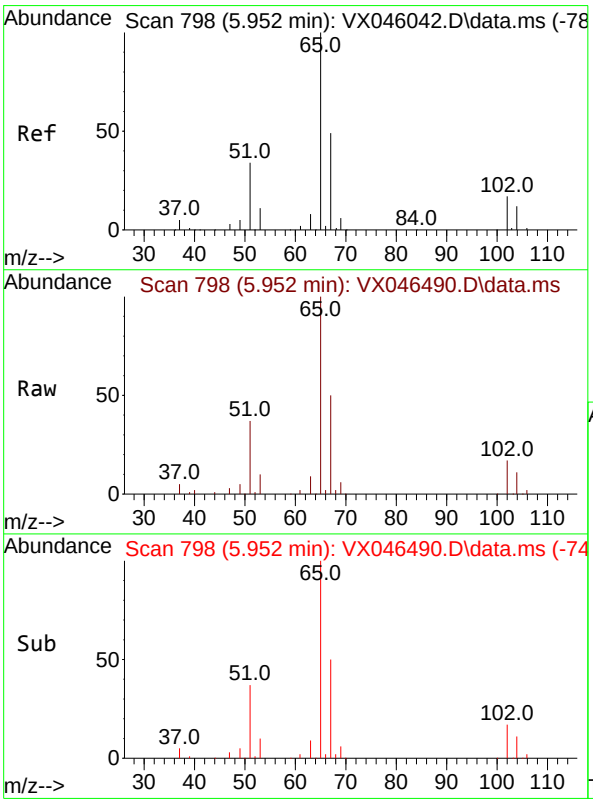
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Tgt Ion:168 Resp: 69580

Ion	Ratio	Lower	Upper
168	100		
99	73.9	54.9	82.3

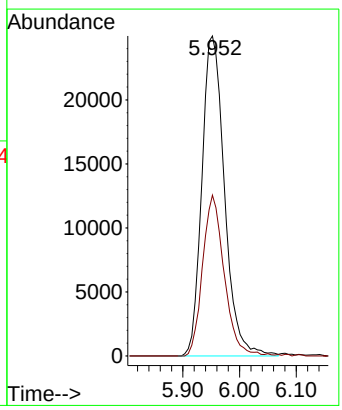


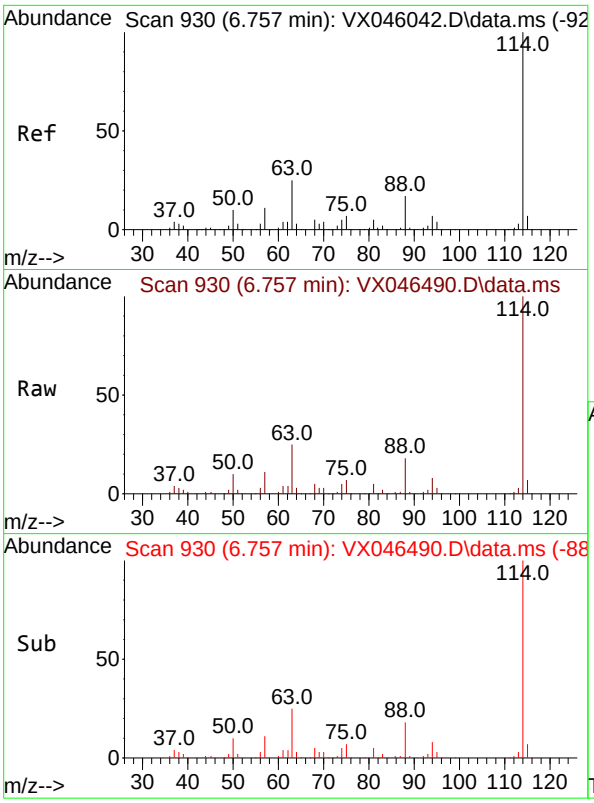


#33
1,2-Dichloroethane-d4
Concen: 53.355 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Tgt Ion: 65 Resp: 69212

Ion	Ratio	Lower	Upper
65	100		
67	48.1	0.0	99.0



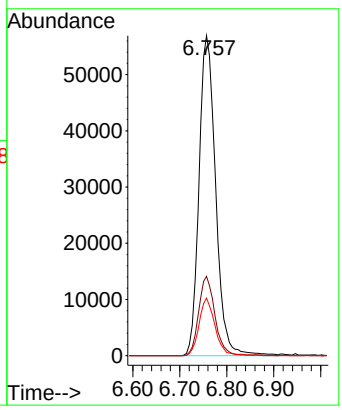


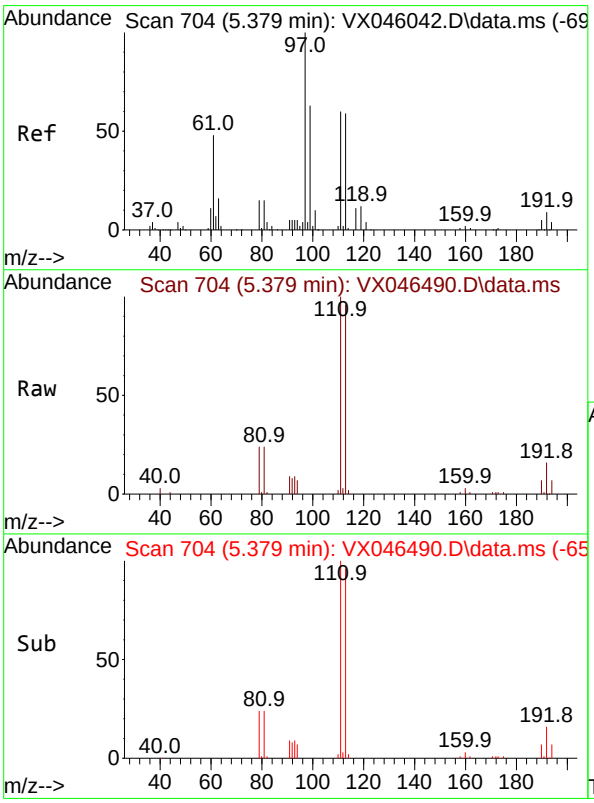
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Tgt Ion:114 Resp: 139946

Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	49.2
88	18.0	0.0	33.6

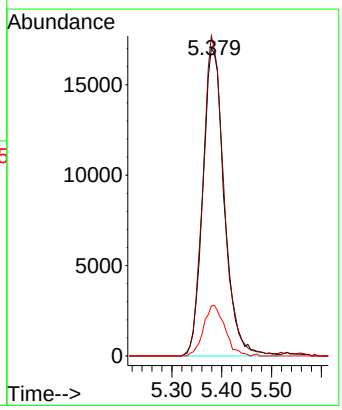


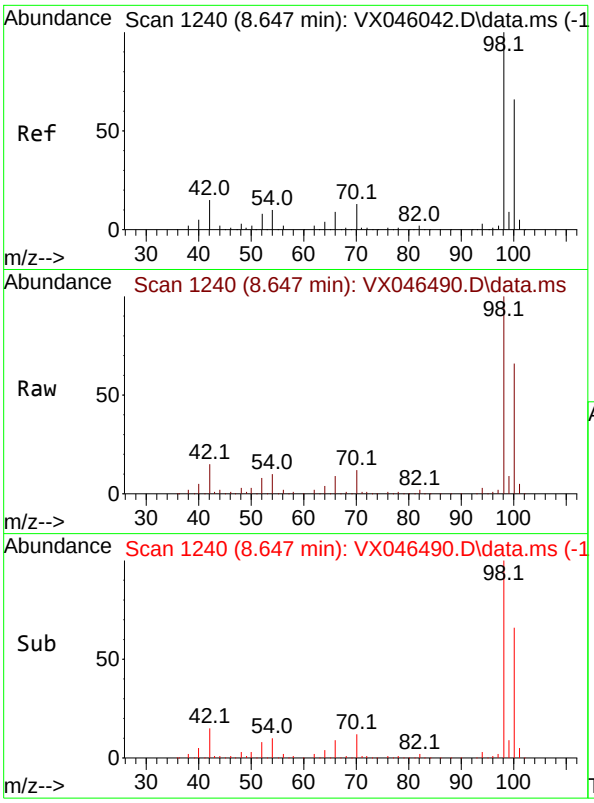


#35
Dibromofluoromethane
Concen: 50.389 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Tgt Ion:113 Resp: 50780

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.1	124.7
192	16.4	13.3	19.9



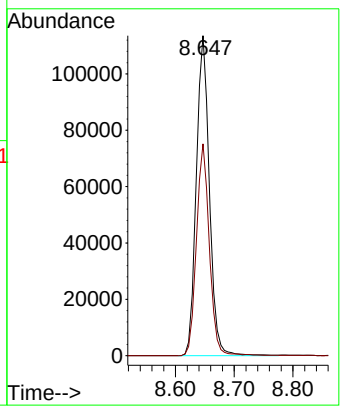


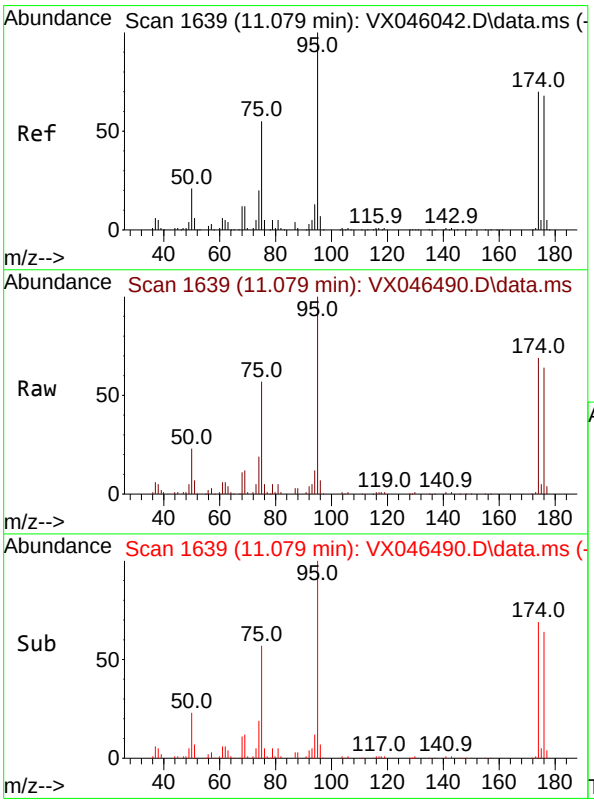
#50
Toluene-d8
Concen: 50.393 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Tgt Ion: 98 Resp: 175770

Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.5	80.3

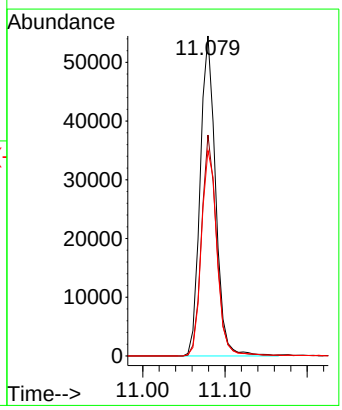


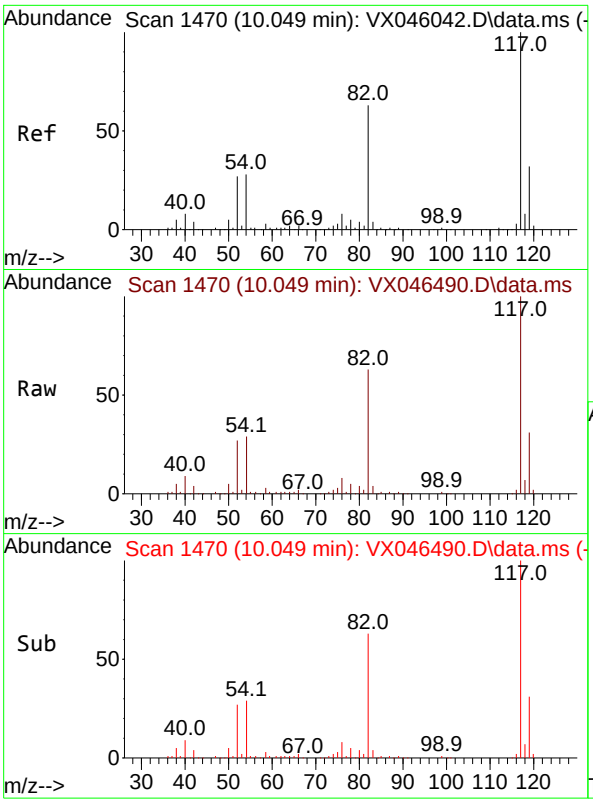


#62
4-Bromofluorobenzene
Concen: 53.079 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Tgt Ion: 95 Resp: 71016

Ion	Ratio	Lower	Upper
95	100		
174	67.4	0.0	135.8
176	65.5	0.0	131.4



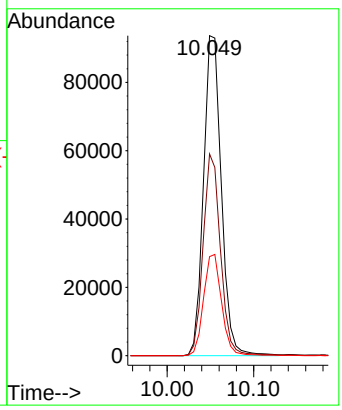


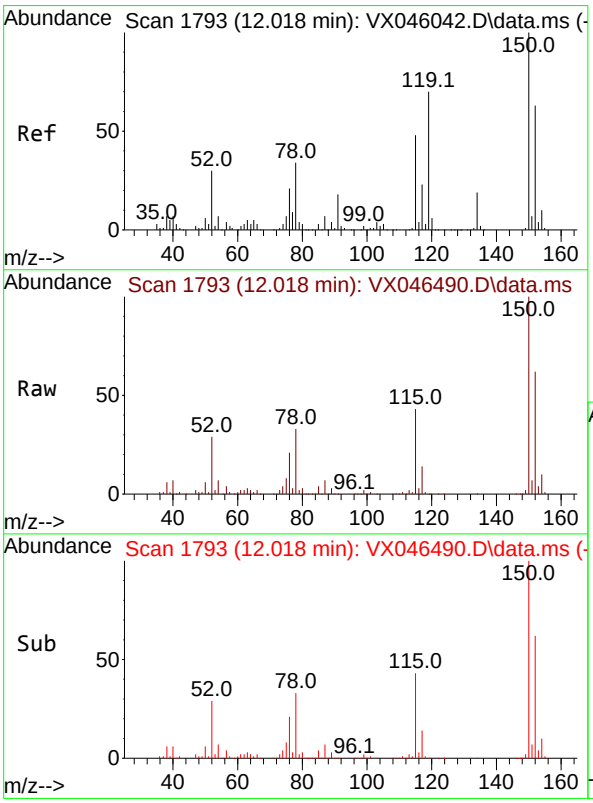
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Tgt Ion:117 Resp: 133992

Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.6	76.0
119	31.0	25.8	38.6

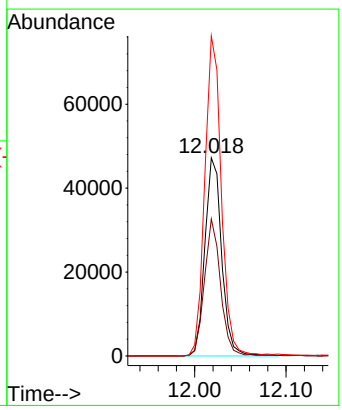




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046490.D
Acq: 04 Jun 2025 11:04

Tgt Ion:152 Resp: 59967

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	160.7	0.0	351.0



Sample Results: **VX046490.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046490.D
Acq On : 04 Jun 2025 11:04
Operator : JC/MD
Sample : VX0604WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

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_X\Method\82X050525W.M
Title : SW846 8260

Signal : TIC: VX046490.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.246	22	26	35	rBV2	7104	13176	2.66%	0.494%
2	1.575	69	80	81	rBV5	3966	9410	1.90%	0.353%
3	1.593	81	83	89	rVB6	4708	5720	1.16%	0.214%
4	5.379	692	704	721	rBV	57648	170884	34.55%	6.408%
5	5.550	721	732	746	rVV	81252	231356	46.78%	8.675%
6	5.952	788	798	814	rBV	66566	178179	36.03%	6.681%
7	6.757	921	930	946	rBV	146982	354352	71.64%	13.288%
8	8.647	1232	1240	1258	rBV	316565	494595	100.00%	18.547%
9	10.049	1465	1470	1489	rBV	319655	453128	91.62%	16.992%
10	11.079	1634	1639	1657	rBV	267666	346458	70.05%	12.992%
11	12.018	1788	1793	1804	rBV	330331	409522	82.80%	15.356%

Sum of corrected areas: 2666780

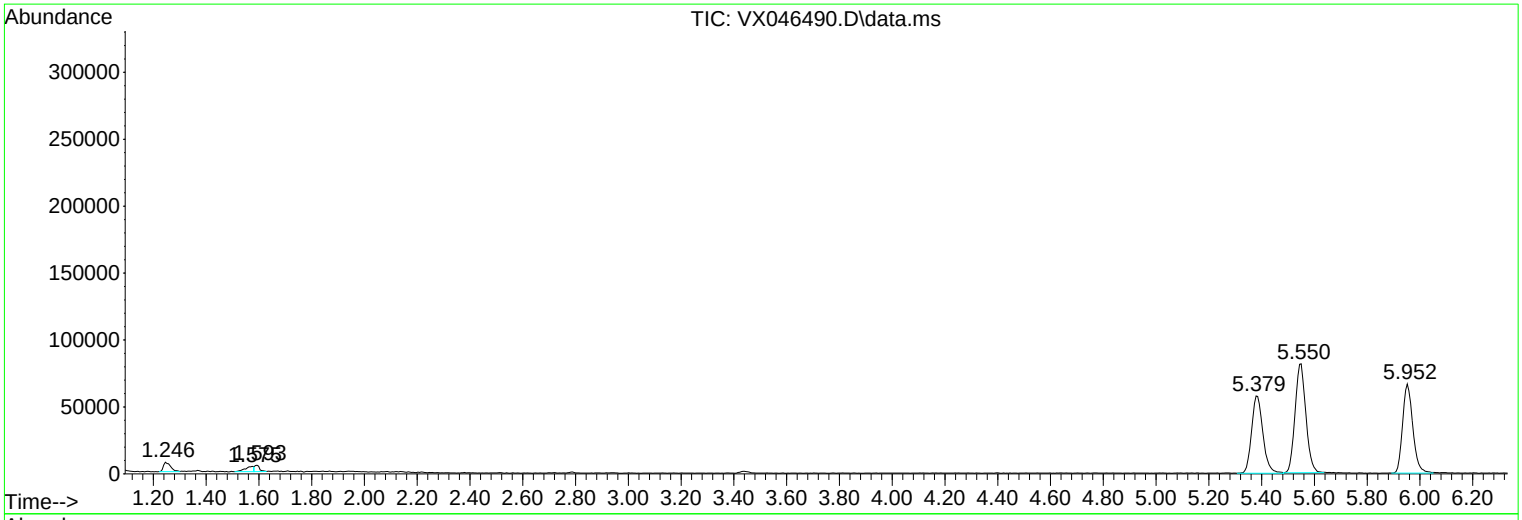
Sample Results: **VX046490.D**

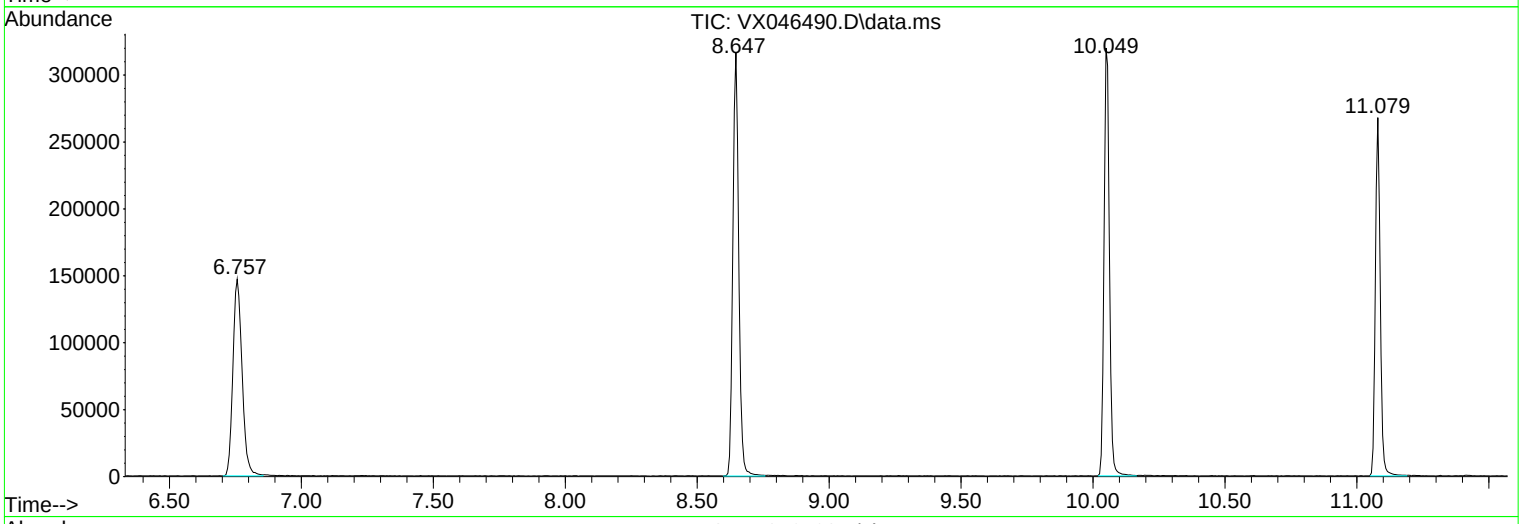
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046490.D
Acq On : 04 Jun 2025 11:04
Operator : JC/MD
Sample : VX0604WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

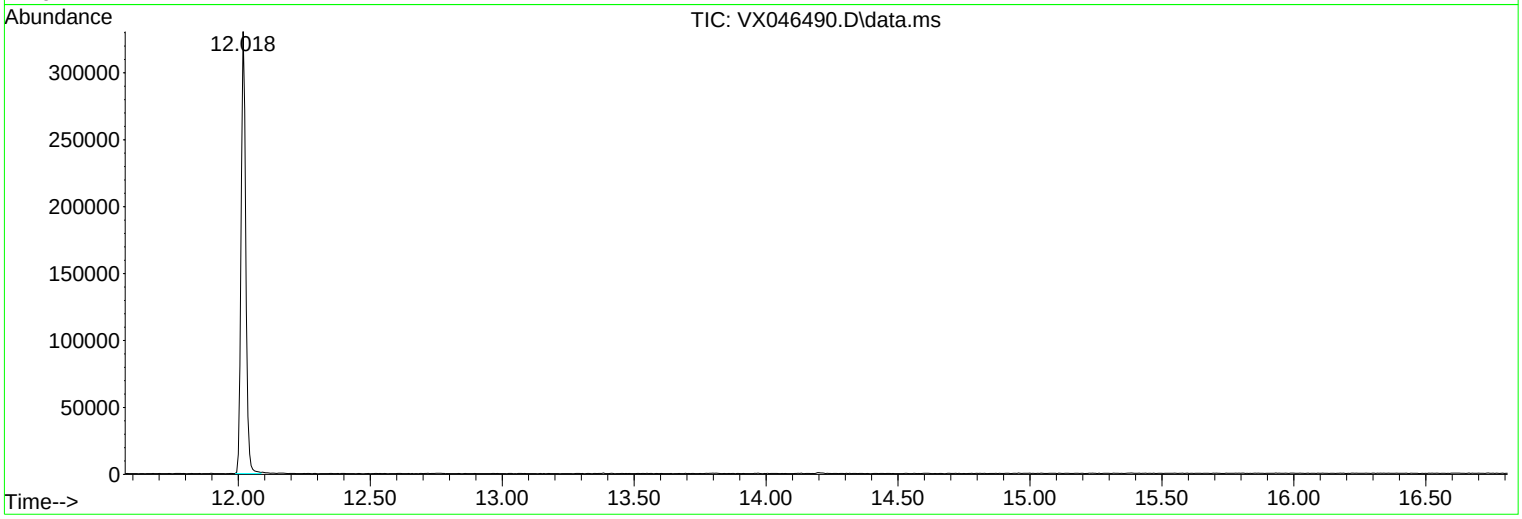
Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX046490.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046490.D
Acq On : 04 Jun 2025 11:04
Operator : JC/MD
Sample : VX0604WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046490.D
Acq On : 04 Jun 2025 11:04
Operator : JC/MD
Sample : VX0604WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.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\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Time: Jun 05 04:09:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

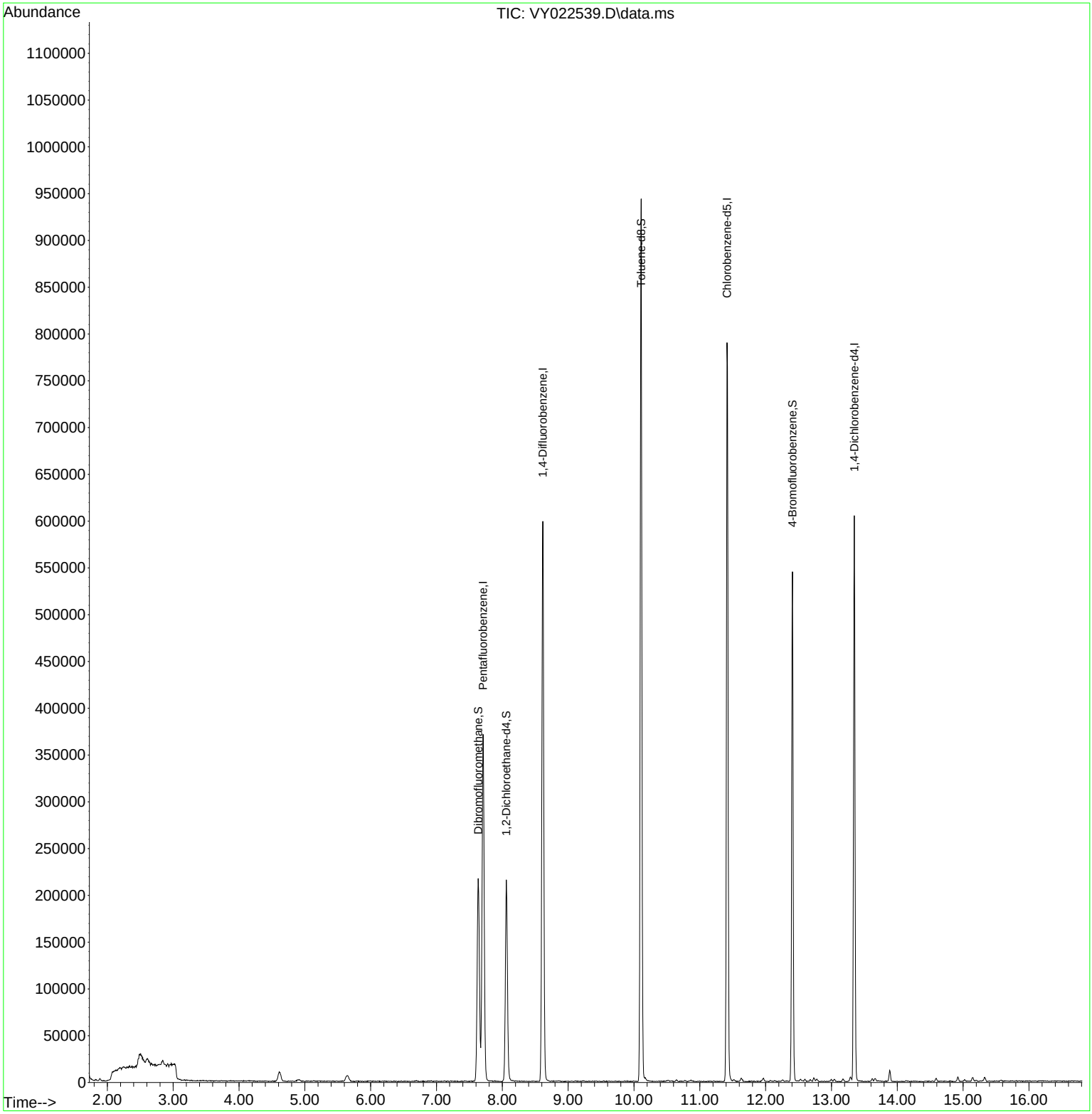
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	271205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	498185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	390593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	137326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159828	52.692	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.380%			
35) Dibromofluoromethane	7.634	113	150711	50.684	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.360%			
50) Toluene-d8	10.109	98	592665	49.327	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.660%			
62) 4-Bromofluorobenzene	12.408	95	149151	41.664	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.320%			
Target Compounds						Qvalue

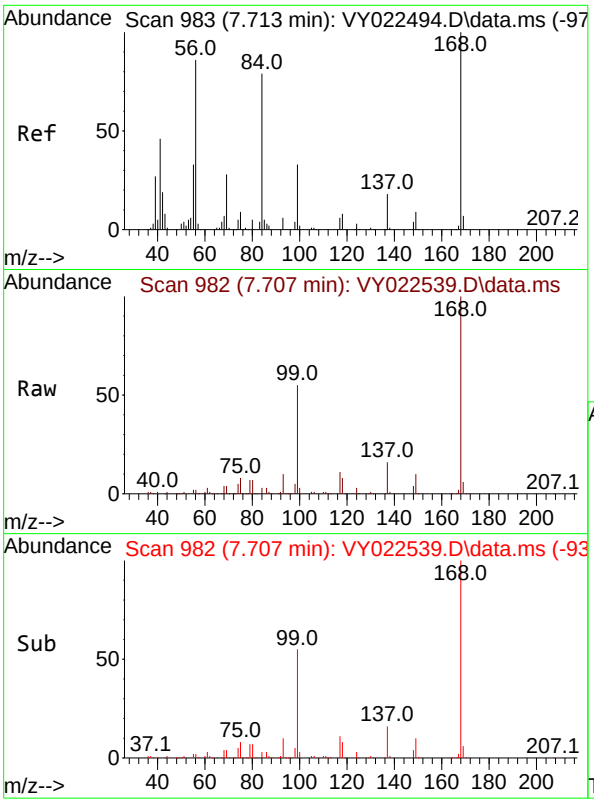
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Time: Jun 05 04:09:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration



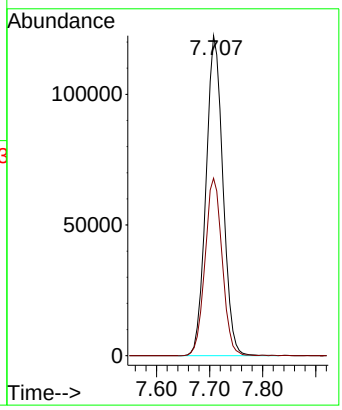


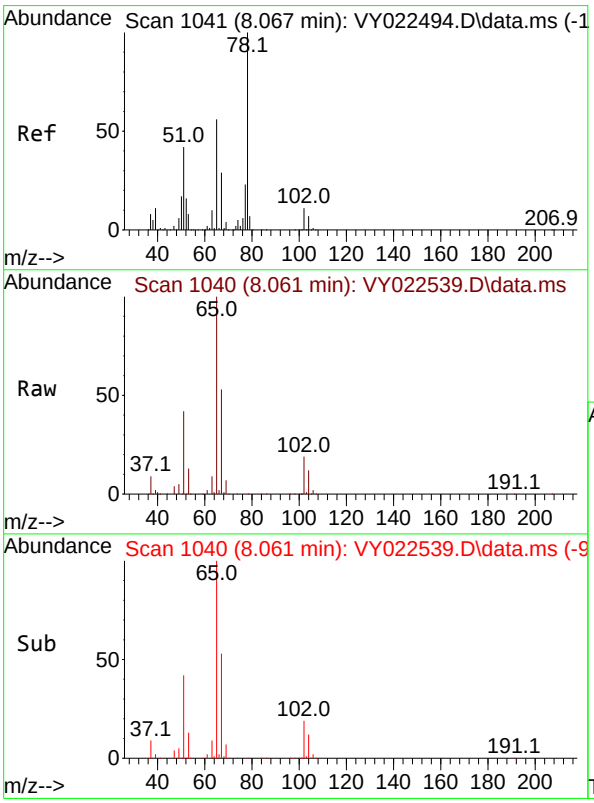
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion:168 Resp: 271205

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.3	66.5

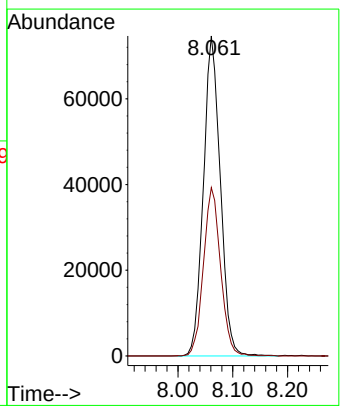


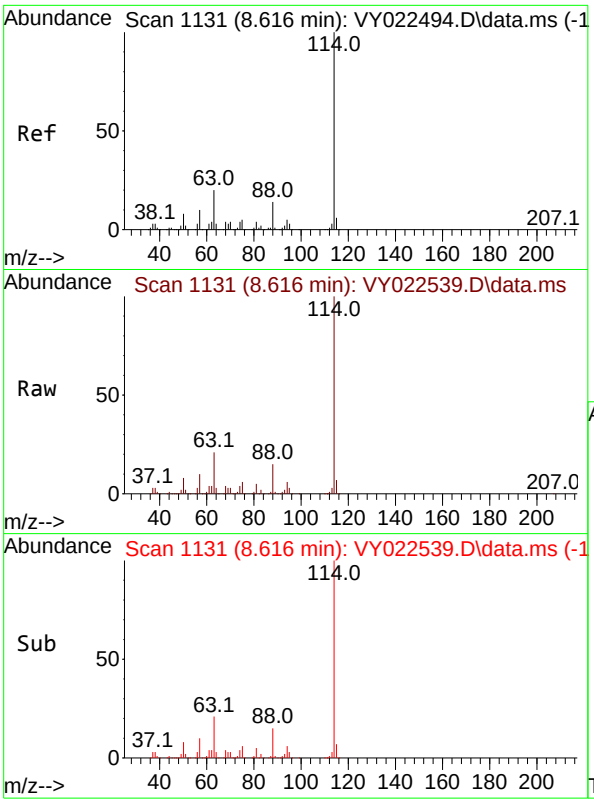


#33
1,2-Dichloroethane-d4
Concen: 52.692 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion: 65 Resp: 159828

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4



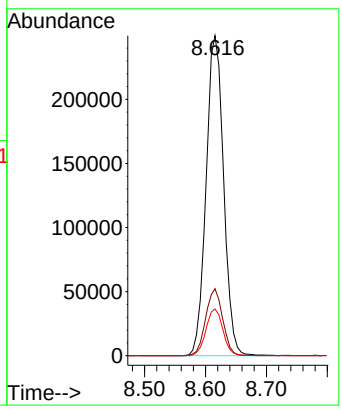


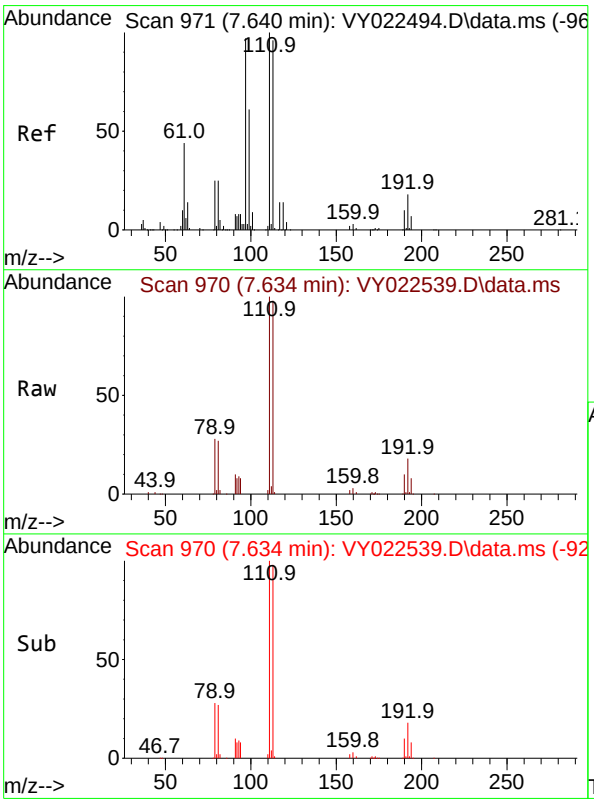
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion:114 Resp: 498185

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	14.6	0.0	27.8

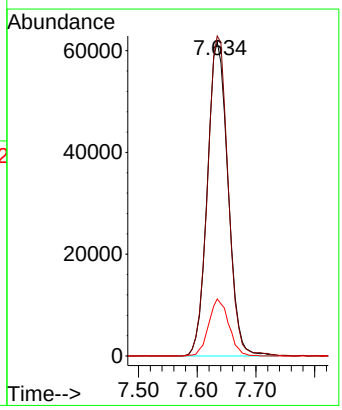


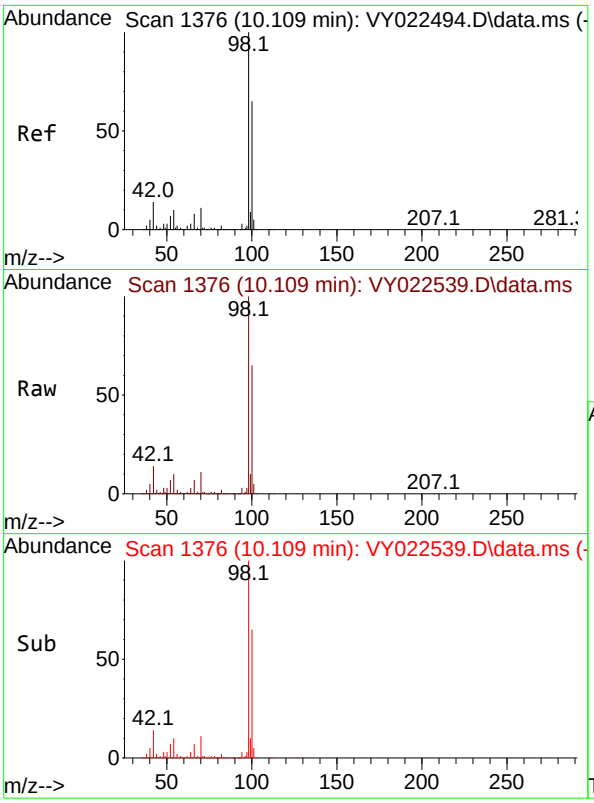


#35
Dibromofluoromethane
Concen: 50.684 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion:113 Resp: 150711

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.1	121.7
192	17.7	14.2	21.2



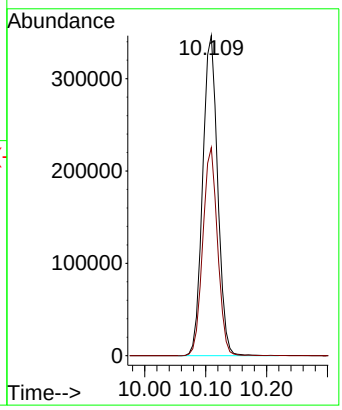


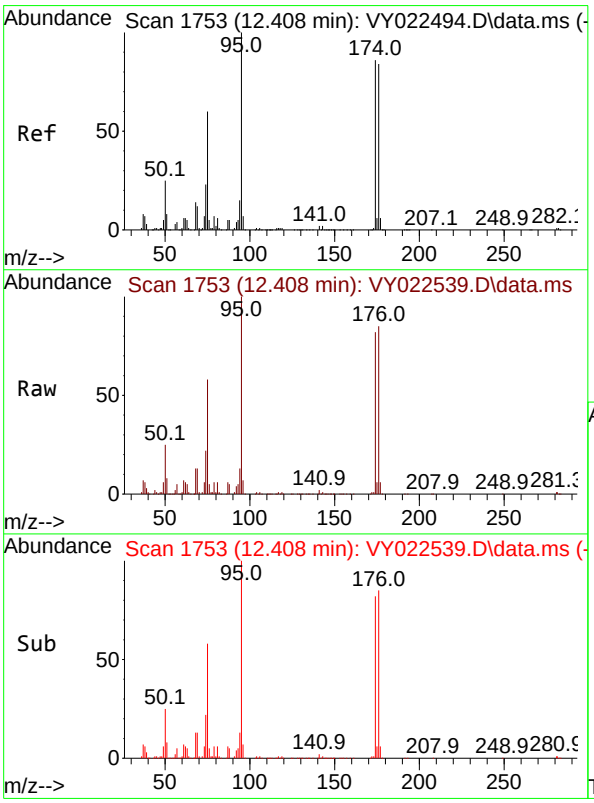
#50
Toluene-d8
Concen: 49.327 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion: 98 Resp: 592665

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0

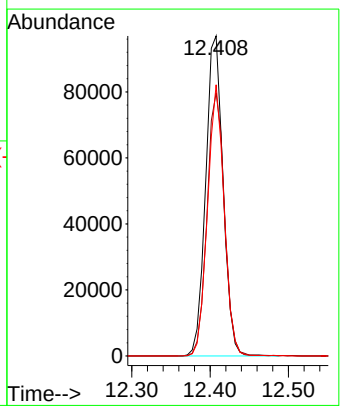


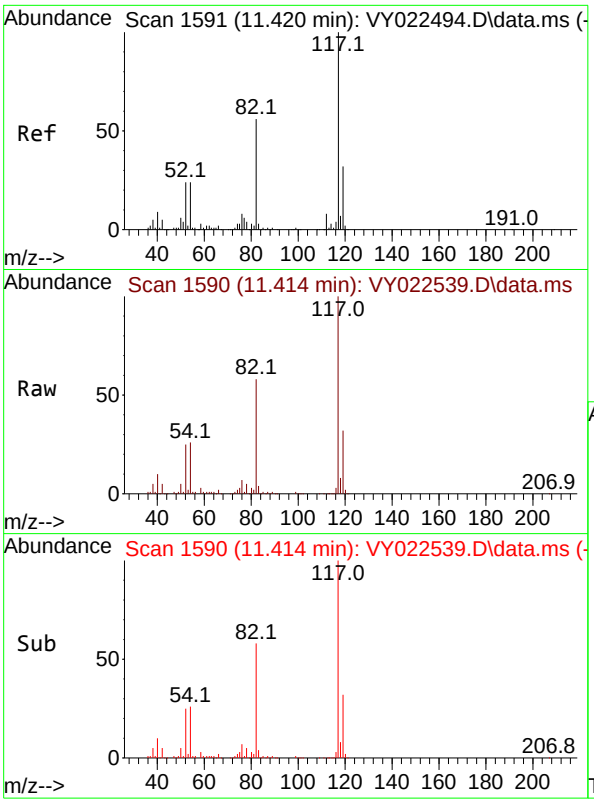


#62
4-Bromofluorobenzene
Concen: 41.664 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion: 95 Resp: 149151

Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	170.0
176	80.6	0.0	166.2



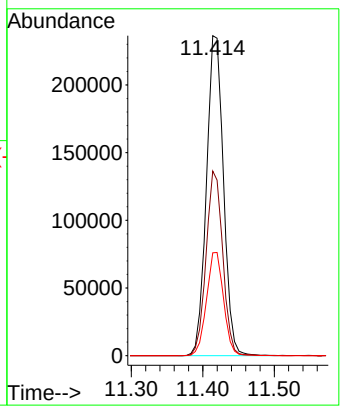


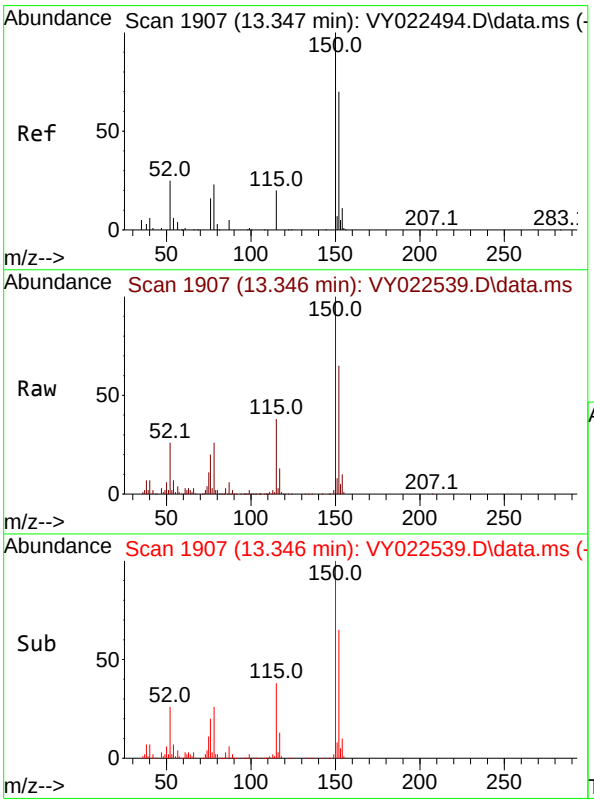
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion:117 Resp: 390593

Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	66.8
119	32.2	25.4	38.0

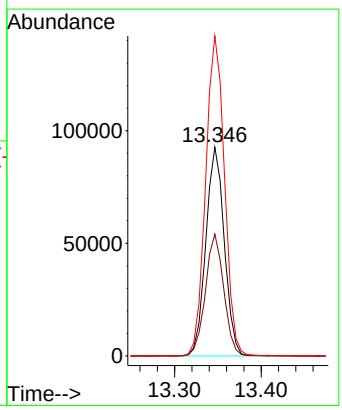




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion:152 Resp: 137326

Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.7
150	156.5	0.0	349.6



Sample Results: **VY022539.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

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\82Y060225S.M
Title : SW846 8260

Signal : TIC: VY022539.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	2.080	50	59	60	rBV3	8900	16705	1.03%	0.215%
2	4.610	464	474	486	rBV3	10253	32359	2.00%	0.416%
3	5.647	633	644	652	rBV6	6208	21172	1.31%	0.272%
4	7.634	959	970	976	rBV	216859	519690	32.09%	6.673%
5	7.707	976	982	995	rVB	370343	834319	51.51%	10.713%
6	8.061	1030	1040	1052	rBV	215799	474896	29.32%	6.098%
7	8.616	1122	1131	1150	rVB	598809	1189420	73.44%	15.273%
8	10.109	1367	1376	1385	rBV	943399	1619604	100.00%	20.797%
9	11.414	1583	1590	1603	rBV	789380	1299067	80.21%	16.681%
10	12.408	1745	1753	1764	rBV	544757	844373	52.13%	10.842%
11	13.346	1901	1907	1919	rVB	604325	917874	56.67%	11.786%
12	13.883	1990	1995	2001	rVB2	11753	18325	1.13%	0.235%

Sum of corrected areas: 7787804

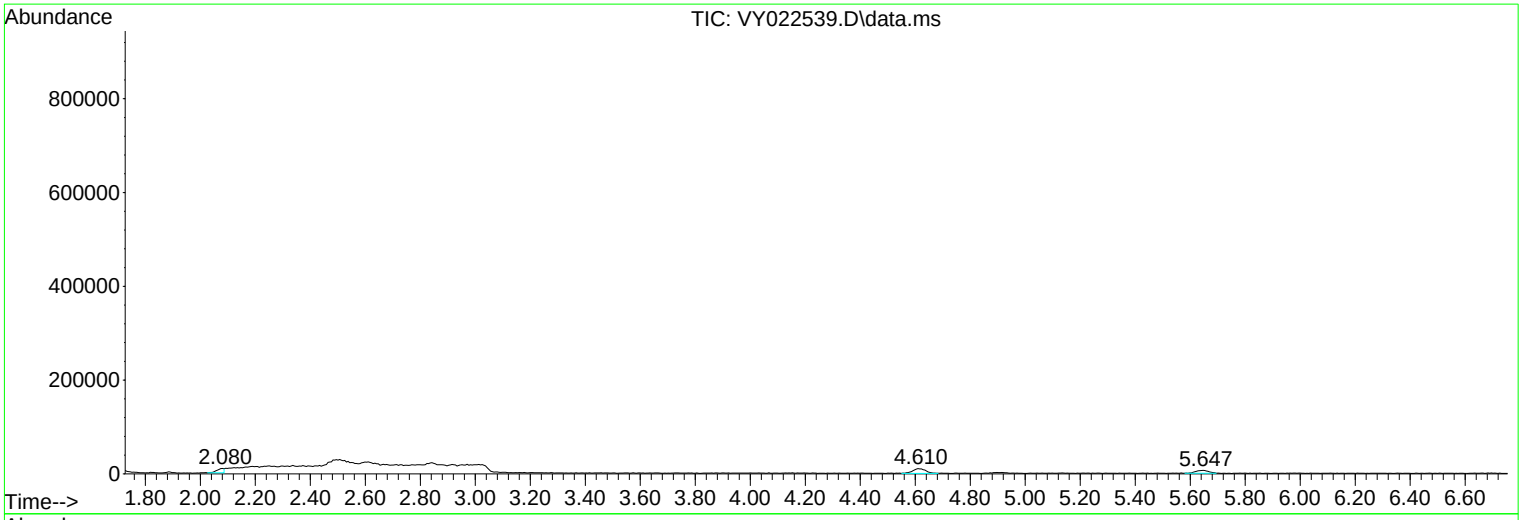
Sample Results: **VY022539.D**

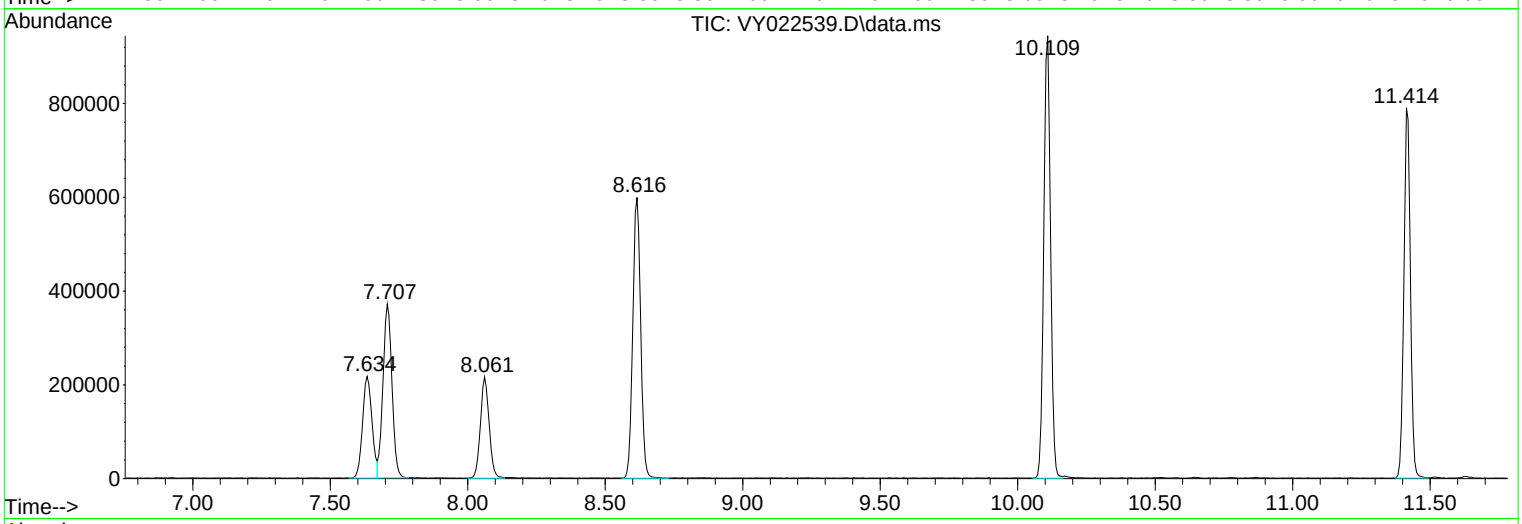
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

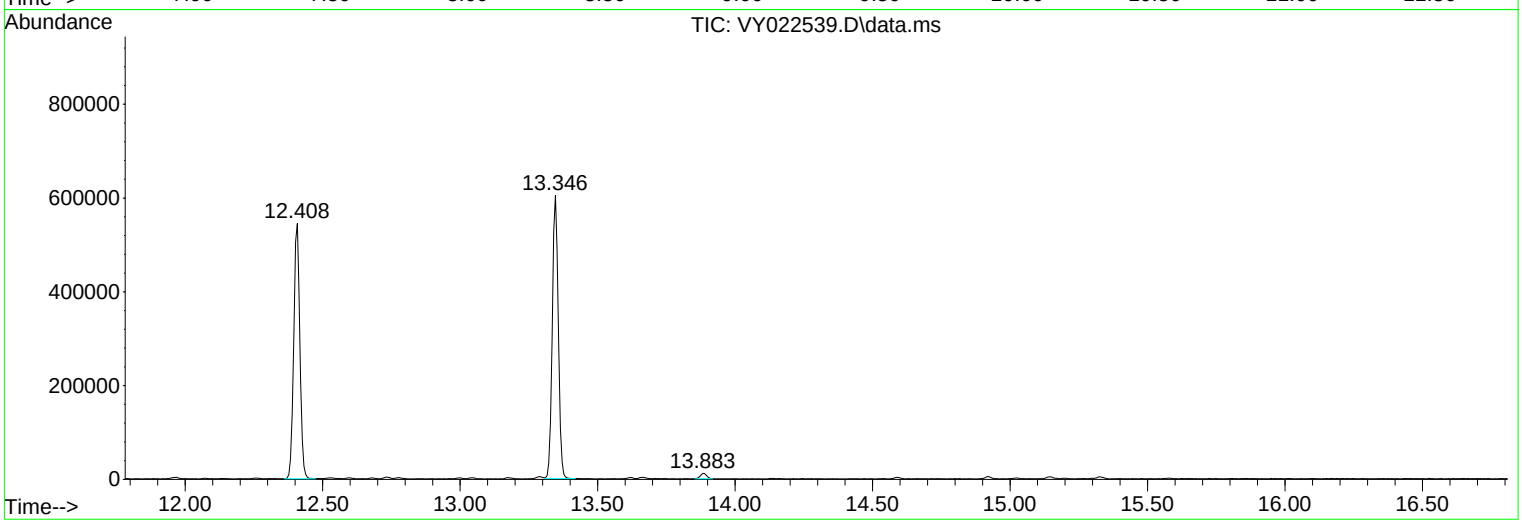
Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY022539.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.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_X\Data\VX060425\
Data File : VX046491.D
Acq On : 04 Jun 2025 11:27
Operator : JC/MD
Sample : VX0604WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 01:39:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	92897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	164481	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	139452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86820	50.130	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.260%			
35) Dibromofluoromethane	5.379	113	60723	51.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.540%			
50) Toluene-d8	8.647	98	193713	47.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.500%			
62) 4-Bromofluorobenzene	11.079	95	77214	49.102	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	22743	15.995	ug/l	99
3) Chloromethane	1.307	50	20855	15.125	ug/l	98
4) Vinyl Chloride	1.374	62	19920	15.523	ug/l	94
5) Bromomethane	1.599	94	9608	16.142	ug/l	100
6) Chloroethane	1.673	64	11730	17.122	ug/l	96
7) Trichlorofluoromethane	1.880	101	34089	17.974	ug/l	95
8) Diethyl Ether	2.130	74	11717	18.148	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	21471	18.294	ug/l	99
10) Methyl Iodide	2.447	142	20760	14.948	ug/l	99
11) Tert butyl alcohol	2.971	59	28971	119.170	ug/l	99
12) 1,1-Dichloroethene	2.313	96	18932	17.187	ug/l	97
13) Acrolein	2.233	56	29271	105.725	ug/l	98
14) Allyl chloride	2.660	41	40362	19.172	ug/l	96
15) Acrylonitrile	3.063	53	74090	106.582	ug/l	98
16) Acetone	2.380	43	73753	106.210	ug/l	99
17) Carbon Disulfide	2.508	76	33026	12.646	ug/l #	95
18) Methyl Acetate	2.703	43	44506	27.620	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	79431	20.568	ug/l	99
20) Methylene Chloride	2.782	84	23740	17.840	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	19363	17.479	ug/l	95
22) Diisopropyl ether	3.758	45	83789	20.604	ug/l	90
23) Vinyl Acetate	3.721	43	346082	96.761	ug/l	99
24) 1,1-Dichloroethane	3.605	63	44360	19.585	ug/l	99
25) 2-Butanone	4.556	43	111365	110.466	ug/l	97
26) 2,2-Dichloropropane	4.471	77	34526	19.475	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	26144	19.605	ug/l	97
28) Bromochloromethane	4.898	49	23833	21.860	ug/l	97
29) Tetrahydrofuran	5.007	42	69831	110.541	ug/l	99
30) Chloroform	5.093	83	47227	20.005	ug/l	97
31) Cyclohexane	5.465	56	34657	16.791	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	39783	19.440	ug/l	100
36) 1,1-Dichloropropene	5.690	75	27602	17.344	ug/l	98
37) Ethyl Acetate	4.721	43	39738	20.211	ug/l	99
38) Carbon Tetrachloride	5.672	117	32904	18.402	ug/l	95
39) Methylcyclohexane	7.373	83	33061	16.137	ug/l	98
40) Benzene	6.031	78	86835	18.629	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046491.D
Acq On : 04 Jun 2025 11:27
Operator : JC/MD
Sample : VX0604WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 01:39:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	23318	22.671	ug/l		98
42) 1,2-Dichloroethane	6.086	62	39852	19.809	ug/l		99
43) Isopropyl Acetate	6.342	43	63564	21.191	ug/l		99
44) Trichloroethene	7.123	130	20599	18.361	ug/l		97
45) 1,2-Dichloropropane	7.428	63	22961	19.810	ug/l		96
46) Dibromomethane	7.580	93	17290	18.913	ug/l		98
47) Bromodichloromethane	7.818	83	35372	19.645	ug/l		99
48) Methyl methacrylate	7.696	41	32412	21.158	ug/l		98
49) 1,4-Dioxane	7.659	88	13462	462.828	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	215594	108.282	ug/l		100
52) Toluene	8.714	92	54715	19.143	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	30645	19.148	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	34352	19.420	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	23114	20.509	ug/l		98
56) Ethyl methacrylate	9.116	69	37067	20.636	ug/l		97
57) 1,3-Dichloropropane	9.305	76	39627	19.578	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	97808	106.806	ug/l		99
59) 2-Hexanone	9.427	43	163451	110.961	ug/l		100
60) Dibromochloromethane	9.519	129	25342	20.474	ug/l		98
61) 1,2-Dibromoethane	9.610	107	23528	20.086	ug/l		100
64) Tetrachloroethene	9.269	164	18715	18.968	ug/l		95
65) Chlorobenzene	10.080	112	59399	19.461	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21063	20.209	ug/l		98
67) Ethyl Benzene	10.189	91	105678	19.642	ug/l		99
68) m/p-Xylenes	10.299	106	78322	39.802	ug/l		99
69) o-Xylene	10.640	106	39544	20.613	ug/l		99
70) Styrene	10.653	104	64399	20.492	ug/l		99
71) Bromoform	10.799	173	15687	20.047	ug/l	#	97
73) Isopropylbenzene	10.957	105	105573	21.209	ug/l		99
74) N-amyl acetate	10.842	43	53645	21.810	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	37218	21.336	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	32568m	21.162	ug/l		
77) Bromobenzene	11.195	156	23492	20.328	ug/l		99
78) n-propylbenzene	11.299	91	117360	20.277	ug/l		98
79) 2-Chlorotoluene	11.360	91	75768	20.296	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	85839	20.642	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9522	20.143	ug/l		99
82) 4-Chlorotoluene	11.451	91	83569	20.186	ug/l		98
83) tert-Butylbenzene	11.713	119	87673	20.930	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	86879	20.630	ug/l		100
85) sec-Butylbenzene	11.890	105	108045	21.008	ug/l		100
86) p-Isopropyltoluene	12.006	119	87255	20.553	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	42116	19.969	ug/l		98
88) 1,4-Dichlorobenzene	12.037	146	44193	20.518	ug/l		98
89) n-Butylbenzene	12.329	91	75030	20.149	ug/l		99
90) Hexachloroethane	12.536	117	14661	19.602	ug/l		96
91) 1,2-Dichlorobenzene	12.329	146	44415	20.986	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9196	23.797	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	25497	20.975	ug/l		97
94) Hexachlorobutadiene	13.719	225	10415	19.618	ug/l		96
95) Naphthalene	13.774	128	94780	21.259	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	25741	20.522	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046491.D
Acq On : 04 Jun 2025 11:27
Operator : JC/MD
Sample : VX0604WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 01:39:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

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

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

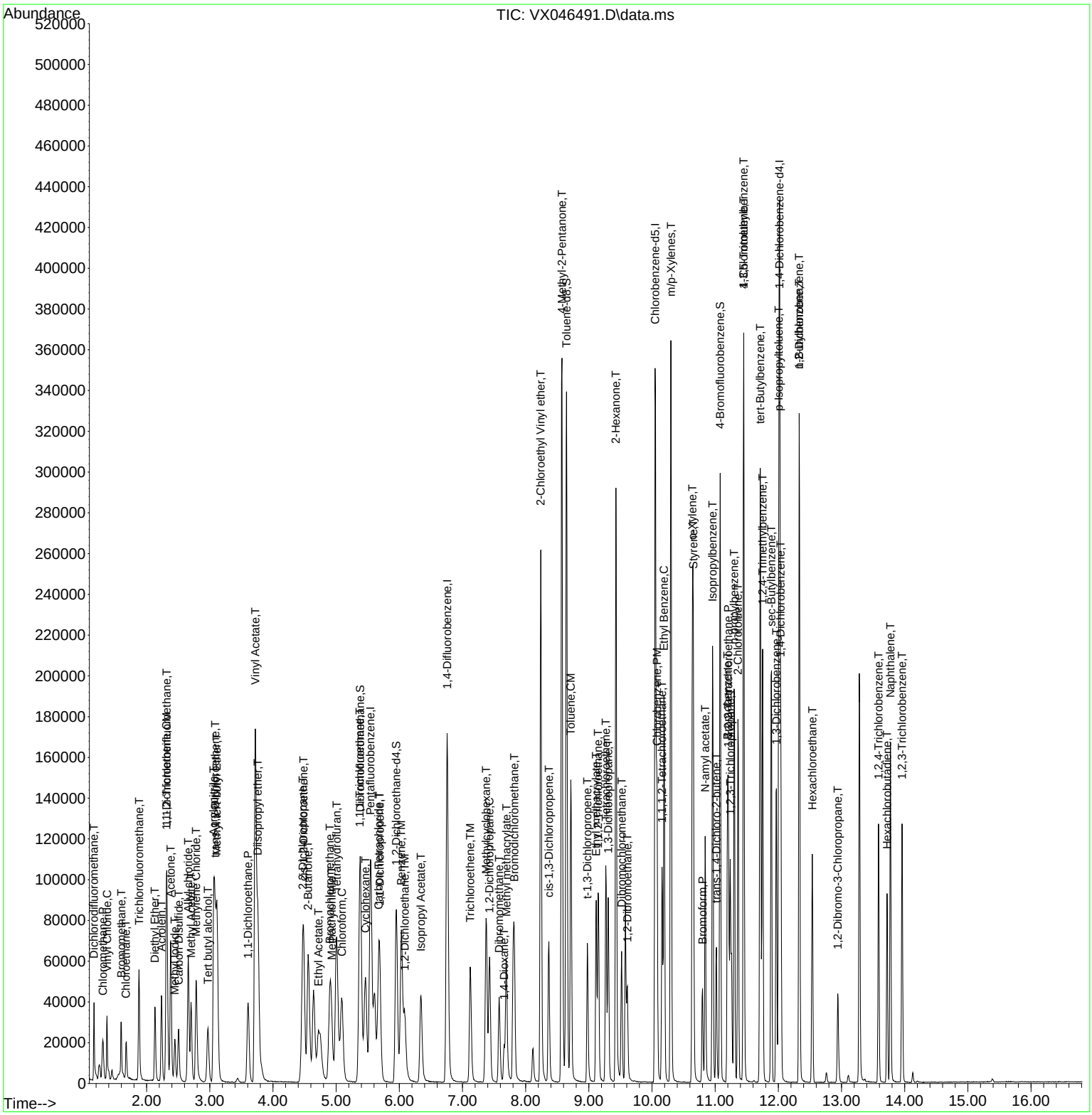
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046491.D
Acq On : 04 Jun 2025 11:27
Operator : JC/MD
Sample : VX0604WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 01:39:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	177182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	307142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	260223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	119650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106897	53.943	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.880%			
35) Dibromofluoromethane	7.634	113	97744	53.317	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.103	98	395544	53.397	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.800%			
62) 4-Bromofluorobenzene	12.402	95	114746	51.990	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35026	22.080	ug/l	90
3) Chloromethane	2.068	50	88146	18.809	ug/l	100
4) Vinyl Chloride	2.202	62	119787	22.034	ug/l	96
5) Bromomethane	2.592	94	110721	21.249	ug/l	98
6) Chloroethane	2.733	64	84104	22.539	ug/l	92
7) Trichlorofluoromethane	3.044	101	108660	23.544	ug/l	94
8) Diethyl Ether	3.452	74	22203	21.362	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	39953	20.554	ug/l	100
10) Methyl Iodide	4.001	142	37260	17.713	ug/l	98
11) Tert butyl alcohol	4.860	59	14189	100.248	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	39181	21.087	ug/l	98
13) Acrolein	3.653	56	18621	105.565	ug/l	99
14) Allyl chloride	4.379	41	59207	20.298	ug/l	100
15) Acrylonitrile	5.055	53	44556	101.220	ug/l	98
16) Acetone	3.867	43	35077	87.158	ug/l	94
17) Carbon Disulfide	4.104	76	121952	20.501	ug/l	99
18) Methyl Acetate	4.379	43	23786	19.959	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	105462	20.152	ug/l	100
20) Methylene Chloride	4.610	84	43768	19.146	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	42985	20.671	ug/l	95
22) Diisopropyl ether	6.019	45	135749	20.908	ug/l	98
23) Vinyl Acetate	5.958	43	382202	99.458	ug/l	99
24) 1,1-Dichloroethane	5.915	63	80929	21.158	ug/l	99
25) 2-Butanone	6.896	43	54351	93.626	ug/l	100
26) 2,2-Dichloropropane	6.884	77	68446	20.253	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	50930	21.189	ug/l	100
28) Bromochloromethane	7.244	49	34936	20.953	ug/l	99
29) Tetrahydrofuran	7.262	42	36518	97.534	ug/l	98
30) Chloroform	7.415	83	79864	21.080	ug/l	95
31) Cyclohexane	7.701	56	74481	19.559	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	71144	21.154	ug/l	99
36) 1,1-Dichloropropene	7.835	75	60956	20.487	ug/l	99
37) Ethyl Acetate	6.982	43	26561	20.018	ug/l	100
38) Carbon Tetrachloride	7.817	117	61082	20.012	ug/l	95
39) Methylcyclohexane	9.110	83	79839	19.967	ug/l	96
40) Benzene	8.079	78	182569	20.775	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.238	41	18097m	23.350	ug/l		
42) 1,2-Dichloroethane	8.152	62	48113	20.051	ug/l		99
43) Isopropyl Acetate	8.195	43	54608	19.056	ug/l		99
44) Trichloroethene	8.866	130	43493	20.250	ug/l		100
45) 1,2-Dichloropropane	9.140	63	43797	21.087	ug/l		99
46) Dibromomethane	9.231	93	23454	20.073	ug/l		98
47) Bromodichloromethane	9.420	83	61994	20.924	ug/l		97
48) Methyl methacrylate	9.219	41	25682	19.095	ug/l		99
49) 1,4-Dioxane	9.231	88	5502	397.467	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.000	43	133612	93.517	ug/l		98
52) Toluene	10.170	92	111969	20.274	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	54358	19.581	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	65573	20.292	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	28750	19.296	ug/l		91
56) Ethyl methacrylate	10.439	69	41087	19.080	ug/l		99
57) 1,3-Dichloropropane	10.719	76	52232	19.779	ug/l		95
58) 2-Chloroethyl Vinyl ether	9.707	63	96419	98.618	ug/l		100
59) 2-Hexanone	10.762	43	87540	91.614	ug/l		100
60) Dibromochloromethane	10.908	129	37312	19.706	ug/l		98
61) 1,2-Dibromoethane	11.018	107	27846	20.505	ug/l		96
64) Tetrachloroethene	10.646	164	46715	20.869	ug/l		97
65) Chlorobenzene	11.438	112	117493	20.404	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.518	131	38244	19.715	ug/l		98
67) Ethyl Benzene	11.518	91	210828	19.739	ug/l		100
68) m/p-Xylenes	11.627	106	157542	38.910	ug/l		99
69) o-Xylene	11.950	106	75325	19.843	ug/l		99
70) Styrene	11.969	104	122002	19.443	ug/l		99
71) Bromoform	12.133	173	19189	18.589	ug/l	#	96
73) Isopropylbenzene	12.255	105	194422	19.792	ug/l		100
74) N-amyl acetate	12.066	43	46408	18.723	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	30021	18.621	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	27817m	20.322	ug/l		
77) Bromobenzene	12.530	156	41454	19.998	ug/l		98
78) n-propylbenzene	12.591	91	237604	19.804	ug/l		98
79) 2-Chlorotoluene	12.676	91	128467	20.202	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	154233	19.999	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	10650	18.789	ug/l		98
82) 4-Chlorotoluene	12.773	91	129597	19.756	ug/l		98
83) tert-Butylbenzene	12.999	119	138927	20.071	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	154558	20.038	ug/l		100
85) sec-Butylbenzene	13.176	105	210444	19.851	ug/l		99
86) p-Isopropyltoluene	13.292	119	169354	19.381	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	83524	19.887	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	81311	19.960	ug/l		99
89) n-Butylbenzene	13.615	91	167479	20.202	ug/l		99
90) Hexachloroethane	13.877	117	33527	19.708	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	71253	19.982	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4574	19.486	ug/l		94
93) 1,2,4-Trichlorobenzene	14.919	180	41052	21.108	ug/l		97
94) Hexachlorobutadiene	15.023	225	23044	21.468	ug/l		97
95) Naphthalene	15.145	128	73656	19.736	ug/l		98
96) 1,2,3-Trichlorobenzene	15.328	180	34247	20.547	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

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

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

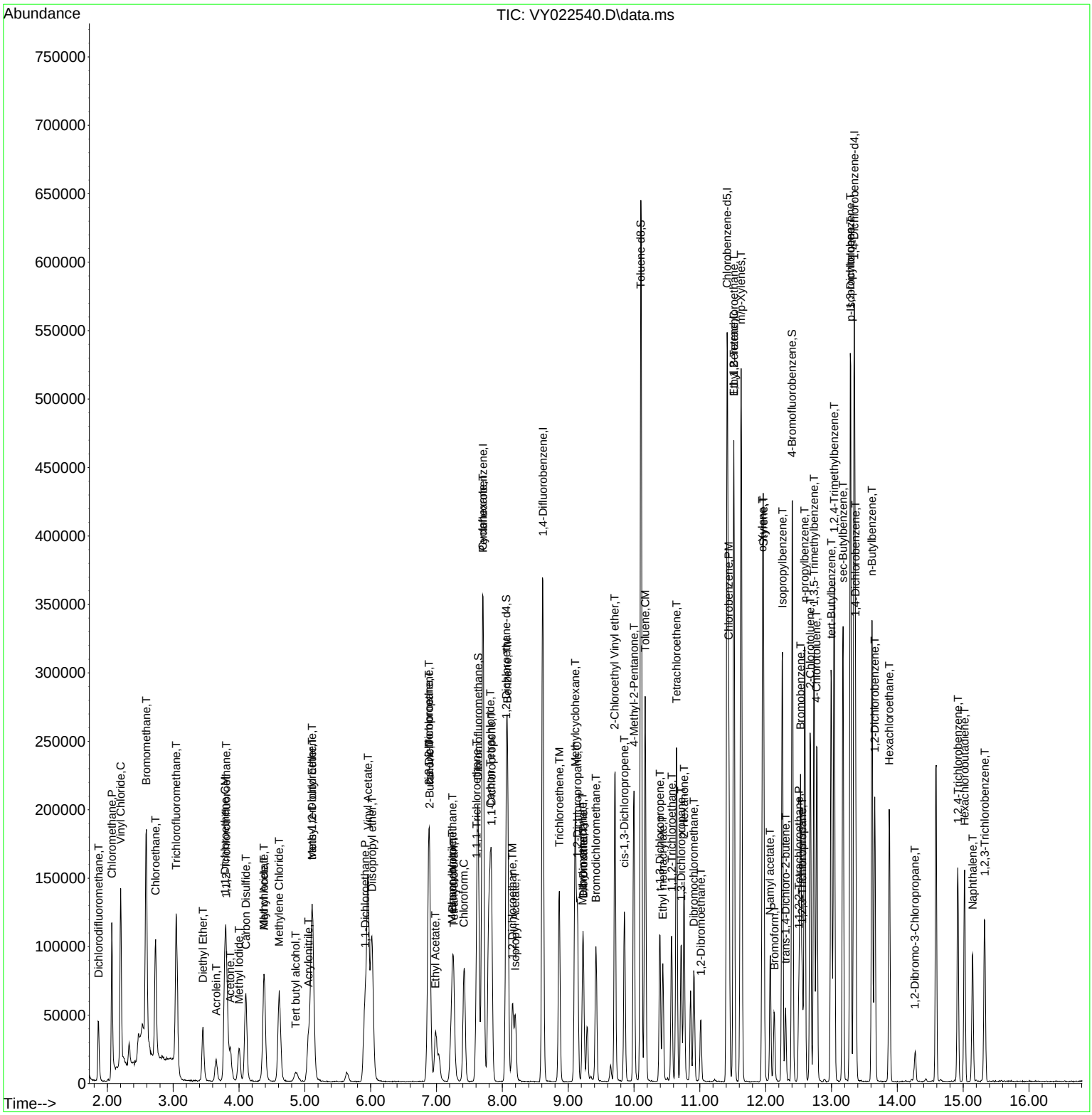
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 04:10:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046497.D
Acq On : 04 Jun 2025 13:52
Operator : JC/MD
Sample : VX0604WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 01:51:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	84483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152834	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	133225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81368	51.661	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.320%			
35) Dibromofluoromethane	5.385	113	57316	52.079	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.160%			
50) Toluene-d8	8.647	98	186769	49.031	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.060%			
62) 4-Bromofluorobenzene	11.079	95	75026	51.347	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.700%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	24632	19.049	ug/l	99
3) Chloromethane	1.307	50	23757	18.946	ug/l	97
4) Vinyl Chloride	1.374	62	21918	18.781	ug/l	98
5) Bromomethane	1.593	94	9220	17.033	ug/l	98
6) Chloroethane	1.672	64	15446	24.792	ug/l	94
7) Trichlorofluoromethane	1.880	101	35809	20.761	ug/l	97
8) Diethyl Ether	2.136	74	12725	21.673	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	21610	20.246	ug/l	97
10) Methyl Iodide	2.447	142	24073	19.060	ug/l	100
11) Tert butyl alcohol	2.971	59	27971	126.516	ug/l	99
12) 1,1-Dichloroethene	2.312	96	20333	20.297	ug/l	100
13) Acrolein	2.233	56	25349	100.678	ug/l	97
14) Allyl chloride	2.660	41	42621	22.262	ug/l	95
15) Acrylonitrile	3.062	53	73994	117.045	ug/l	99
16) Acetone	2.386	43	72770	115.231	ug/l	98
17) Carbon Disulfide	2.501	76	39956	16.824	ug/l	100
18) Methyl Acetate	2.703	43	45782	31.241	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	82120	23.382	ug/l	100
20) Methylene Chloride	2.782	84	24899	20.575	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	20553	20.402	ug/l	98
22) Diisopropyl ether	3.763	45	85964	23.245	ug/l	98
23) Vinyl Acetate	3.721	43	352257	108.297	ug/l	100
24) 1,1-Dichloroethane	3.605	63	45805	22.237	ug/l	98
25) 2-Butanone	4.562	43	110519	120.545	ug/l	99
26) 2,2-Dichloropropane	4.471	77	32995	20.465	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	26678	21.998	ug/l	98
28) Bromochloromethane	4.897	49	22848	23.044	ug/l	98
29) Tetrahydrofuran	5.013	42	69743	121.397	ug/l	99
30) Chloroform	5.092	83	48458	22.570	ug/l	97
31) Cyclohexane	5.458	56	39649	21.123	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	41875	22.500	ug/l	97
36) 1,1-Dichloropropene	5.690	75	30800	20.829	ug/l	99
37) Ethyl Acetate	4.721	43	40135	21.968	ug/l	98
38) Carbon Tetrachloride	5.678	117	33893	20.399	ug/l	97
39) Methylcyclohexane	7.379	83	37949	19.934	ug/l	92
40) Benzene	6.031	78	92846	21.436	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046497.D
Acq On : 04 Jun 2025 13:52
Operator : JC/MD
Sample : VX0604WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 01:51:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	24996	26.155	ug/l		95
42) 1,2-Dichloroethane	6.086	62	40404	21.614	ug/l		99
43) Isopropyl Acetate	6.342	43	64639	23.192	ug/l		99
44) Trichloroethene	7.123	130	22185	21.281	ug/l		96
45) 1,2-Dichloropropane	7.427	63	23770	22.070	ug/l		98
46) Dibromomethane	7.580	93	18288	21.529	ug/l		99
47) Bromodichloromethane	7.818	83	36336	21.718	ug/l		99
48) Methyl methacrylate	7.696	41	33430	23.486	ug/l		99
49) 1,4-Dioxane	7.659	88	12861	475.862	ug/l		100
51) 4-Methyl-2-Pentanone	8.574	43	220370	119.115	ug/l		99
52) Toluene	8.714	92	57666	21.713	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	30745	20.675	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	35234	21.437	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	23253	22.204	ug/l		96
56) Ethyl methacrylate	9.116	69	39616	23.736	ug/l		99
57) 1,3-Dichloropropane	9.305	76	41148	21.879	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	98765	116.070	ug/l		99
59) 2-Hexanone	9.427	43	168301	122.961	ug/l		99
60) Dibromochloromethane	9.518	129	24794	21.558	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23687	21.762	ug/l		96
64) Tetrachloroethene	9.269	164	19397	20.578	ug/l		94
65) Chlorobenzene	10.079	112	62199	21.331	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21656	21.749	ug/l		99
67) Ethyl Benzene	10.195	91	113326	22.048	ug/l		99
68) m/p-Xylenes	10.299	106	80924	43.046	ug/l		94
69) o-Xylene	10.640	106	41048	22.397	ug/l		97
70) Styrene	10.652	104	67392	22.447	ug/l		97
71) Bromoform	10.799	173	15427	20.636	ug/l	#	98
73) Isopropylbenzene	10.963	105	110318	22.550	ug/l		100
74) N-amyl acetate	10.841	43	55422	22.926	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	38648	22.544	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	32723m	21.634	ug/l		
77) Bromobenzene	11.195	156	24841	21.872	ug/l		99
78) n-propylbenzene	11.305	91	124223	21.838	ug/l		99
79) 2-Chlorotoluene	11.360	91	78907	21.507	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	92894	22.729	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	9297	20.011	ug/l		99
82) 4-Chlorotoluene	11.451	91	88804	21.826	ug/l		99
83) tert-Butylbenzene	11.713	119	92557	22.483	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	92688	22.395	ug/l		99
85) sec-Butylbenzene	11.890	105	111854	22.129	ug/l		99
86) p-Isopropyltoluene	12.006	119	93040	22.299	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	44995	21.707	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	44540	21.040	ug/l		98
89) n-Butylbenzene	12.329	91	79526	21.729	ug/l		98
90) Hexachloroethane	12.536	117	15772	21.457	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	46207	22.214	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9047	23.821	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	25914	21.691	ug/l		99
94) Hexachlorobutadiene	13.725	225	11422	21.891	ug/l		100
95) Naphthalene	13.774	128	102748	23.449	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	26637	21.608	ug/l		99

Sample Results: **VX046497.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046497.D
Acq On : 04 Jun 2025 13:52
Operator : JC/MD
Sample : VX0604WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 01:51:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

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

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

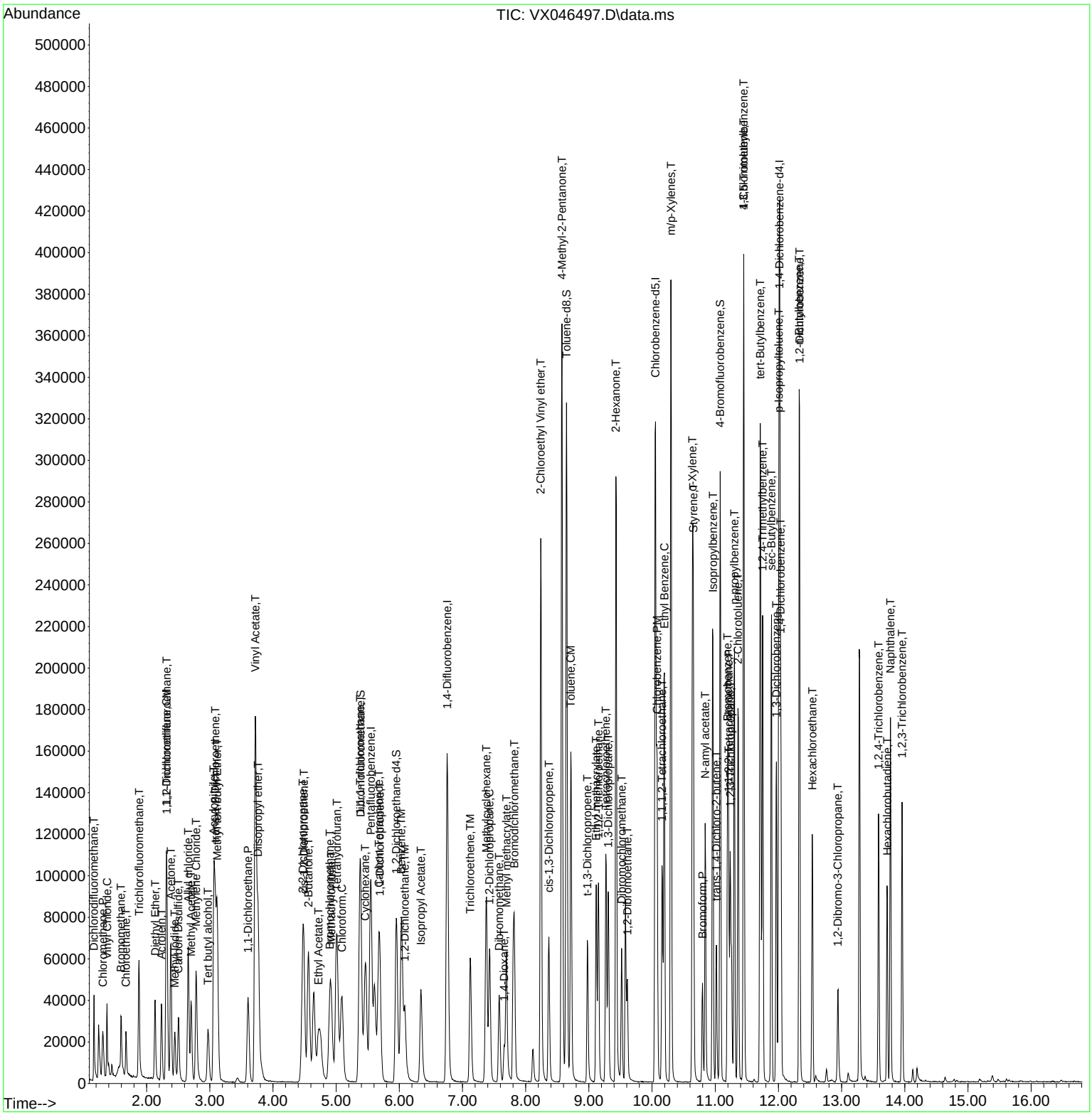
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
Data File : VX046497.D
Acq On : 04 Jun 2025 13:52
Operator : JC/MD
Sample : VX0604WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 05 01:51:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0604WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022541.D
Acq On : 04 Jun 2025 11:16
Operator : SY/MD
Sample : VY0604SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 04:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	179220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	309983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	260030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	119455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104473	52.120	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.240%			
35) Dibromofluoromethane	7.634	113	93335	50.445	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.900%			
50) Toluene-d8	10.103	98	376502	50.361	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.720%			
62) 4-Bromofluorobenzene	12.401	95	109073	48.967	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35284	21.990	ug/l	95
3) Chloromethane	2.068	50	88525	18.675	ug/l	99
4) Vinyl Chloride	2.202	62	124287	22.601	ug/l	100
5) Bromomethane	2.586	94	115662	21.944	ug/l	95
6) Chloroethane	2.726	64	87250	23.116	ug/l	99
7) Trichlorofluoromethane	3.043	101	112317	24.059	ug/l	95
8) Diethyl Ether	3.452	74	22123	21.043	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	41480	21.097	ug/l	98
10) Methyl Iodide	4.001	142	41715	19.605	ug/l	99
11) Tert butyl alcohol	4.872	59	16173	112.966	ug/l #	88
12) 1,1-Dichloroethene	3.787	96	39705	21.126	ug/l	95
13) Acrolein	3.647	56	19881	111.427	ug/l	97
14) Allyl chloride	4.385	41	60883	20.635	ug/l	100
15) Acrylonitrile	5.055	53	48823	109.653	ug/l	98
16) Acetone	3.866	43	40457	99.383	ug/l	91
17) Carbon Disulfide	4.104	76	127027	21.111	ug/l	99
18) Methyl Acetate	4.385	43	26588	22.056	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	114382	21.608	ug/l	97
20) Methylene Chloride	4.610	84	45844	19.826	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	45327	21.549	ug/l	93
22) Diisopropyl ether	6.018	45	139507	21.242	ug/l	98
23) Vinyl Acetate	5.958	43	415034	106.773	ug/l	98
24) 1,1-Dichloroethane	5.915	63	83510	21.585	ug/l	99
25) 2-Butanone	6.896	43	61284	104.368	ug/l	99
26) 2,2-Dichloropropane	6.884	77	69661	20.378	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	52045	21.407	ug/l	98
28) Bromochloromethane	7.244	49	34034	20.180	ug/l	98
29) Tetrahydrofuran	7.268	42	41613	109.878	ug/l	97
30) Chloroform	7.421	83	82942	21.644	ug/l	97
31) Cyclohexane	7.701	56	77602	20.147	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	72843	21.413	ug/l	99
36) 1,1-Dichloropropene	7.835	75	60454	20.132	ug/l	100
37) Ethyl Acetate	6.988	43	28333	21.157	ug/l	99
38) Carbon Tetrachloride	7.817	117	61931	20.104	ug/l	98
39) Methylcyclohexane	9.109	83	79347	19.662	ug/l	98
40) Benzene	8.079	78	185571	20.923	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022541.D
Acq On : 04 Jun 2025 11:16
Operator : SY/MD
Sample : VY0604SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 04:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	16324	20.869	ug/l		94
42) 1,2-Dichloroethane	8.158	62	50725	20.946	ug/l		99
43) Isopropyl Acetate	8.195	43	61020	21.098	ug/l		98
44) Trichloroethene	8.866	130	44269	20.422	ug/l		99
45) 1,2-Dichloropropane	9.140	63	44426	21.194	ug/l		98
46) Dibromomethane	9.231	93	24682	20.930	ug/l		100
47) Bromodichloromethane	9.420	83	62495	20.900	ug/l		94
48) Methyl methacrylate	9.219	41	28590	21.062	ug/l		100
49) 1,4-Dioxane	9.231	88	5823	416.801	ug/l		89
51) 4-Methyl-2-Pentanone	9.999	43	152107	105.486	ug/l		100
52) Toluene	10.170	92	114854	20.606	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	56768	20.262	ug/l		99
54) cis-1,3-Dichloropropene	9.853	75	67799	20.789	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	31778	21.133	ug/l		95
56) Ethyl methacrylate	10.438	69	44603	20.523	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57346	21.517	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	103545	104.936	ug/l		99
59) 2-Hexanone	10.762	43	98699	102.345	ug/l		100
60) Dibromochloromethane	10.908	129	38348	20.068	ug/l		99
61) 1,2-Dibromoethane	11.011	107	28215	20.587	ug/l		99
64) Tetrachloroethene	10.646	164	49080	21.942	ug/l		98
65) Chlorobenzene	11.438	112	121009	21.030	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	38613	19.920	ug/l		97
67) Ethyl Benzene	11.518	91	215923	20.231	ug/l		100
68) m/p-Xylenes	11.627	106	163650	40.448	ug/l		100
69) o-Xylene	11.950	106	77044	20.311	ug/l		99
70) Styrene	11.969	104	127477	20.330	ug/l		99
71) Bromoform	12.127	173	20119	19.504	ug/l	#	96
73) Isopropylbenzene	12.255	105	198789	20.270	ug/l		99
74) N-amyl acetate	12.066	43	52528	21.227	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.505	83	34485	21.424	ug/l		96
76) 1,2,3-Trichloropropane	12.554	75	29720m	21.747	ug/l		
77) Bromobenzene	12.530	156	43188	20.868	ug/l		98
78) n-propylbenzene	12.590	91	245680	20.510	ug/l		99
79) 2-Chlorotoluene	12.676	91	134165	21.133	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	156441	20.318	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.298	75	11467	20.263	ug/l		99
82) 4-Chlorotoluene	12.773	91	134743	20.574	ug/l		100
83) tert-Butylbenzene	12.993	119	145202	21.012	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	159935	20.768	ug/l		99
85) sec-Butylbenzene	13.170	105	213038	20.129	ug/l		100
86) p-Isopropyltoluene	13.292	119	173168	19.850	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	86314	20.585	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	85459	21.013	ug/l		99
89) n-Butylbenzene	13.615	91	171235	20.688	ug/l		99
90) Hexachloroethane	13.877	117	35034	20.628	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	75027	21.074	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5340	22.786	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	41161	21.199	ug/l		99
94) Hexachlorobutadiene	15.023	225	23069	21.526	ug/l		98
95) Naphthalene	15.139	128	81018	21.744	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	36181	21.743	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022541.D
Acq On : 04 Jun 2025 11:16
Operator : SY/MD
Sample : VY0604SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 04:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025

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

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

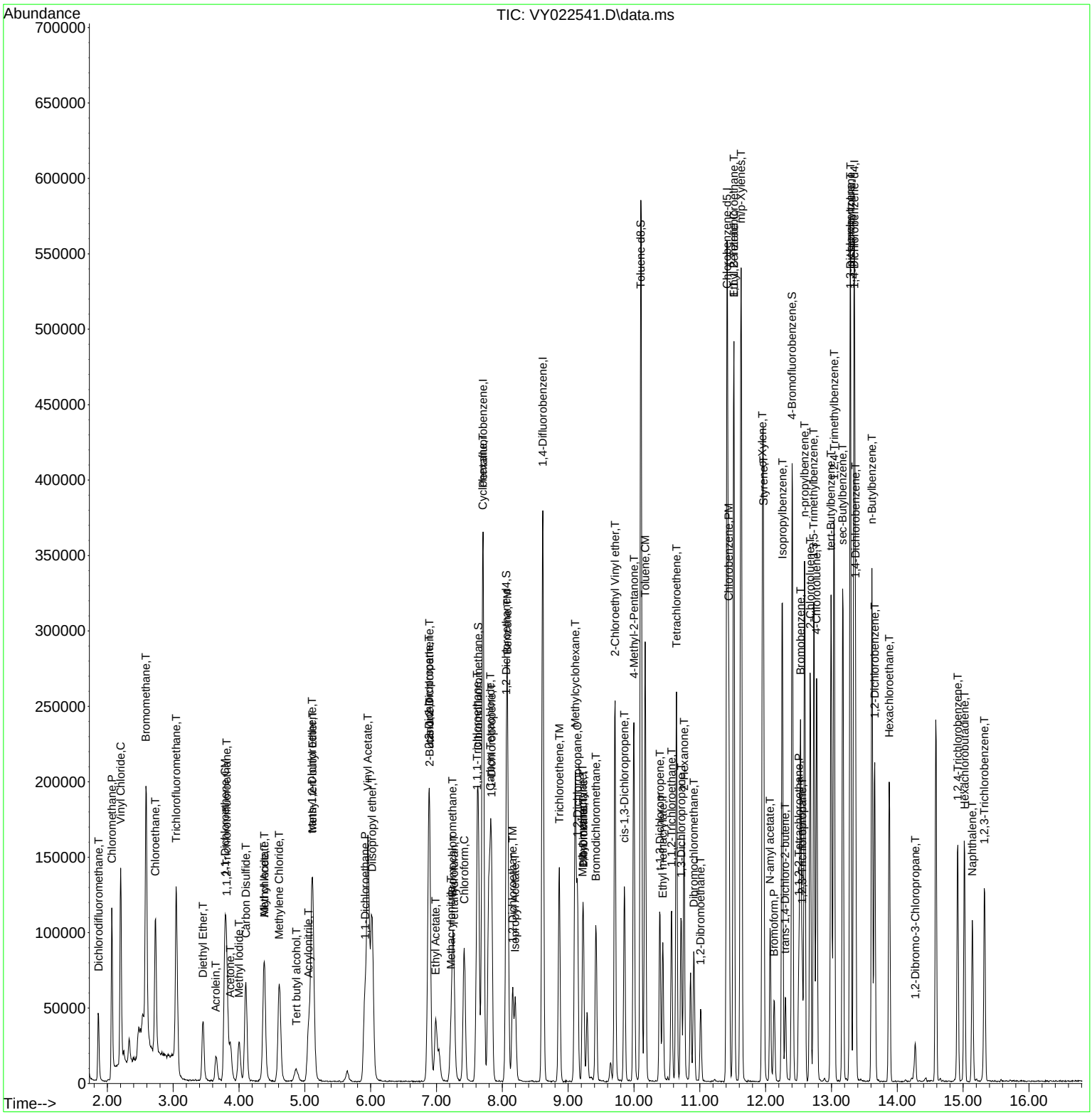
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022541.D
Acq On : 04 Jun 2025 11:16
Operator : SY/MD
Sample : VY0604SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 04:10:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 03 03:22:04 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
Supervised By :Semsettin Yesilyurt 06/05/2025



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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC020	VX046041.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:13 AM	MMDadoda	5/6/2025 12:42:46 PM	Peak Integrated by Software
VSTDICCC050	VX046042.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:18 AM	MMDadoda	5/6/2025 12:42:48 PM	Peak Integrated by Software
VSTDICC100	VX046043.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:22 AM	MMDadoda	5/6/2025 12:42:50 PM	Peak Integrated by Software
VSTDICC150	VX046044.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:27 AM	MMDadoda	5/6/2025 12:42:53 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC005	VX046046.D	Ethyl Acetate	JOHN	5/6/2025 9:53:32 AM	MMDadoda	5/6/2025 12:42:56 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	1,4-Dichlorobenzene	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Bromochloromethane	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Ethyl Acetate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICC001	VX046047.D	Methyl methacrylate	JOHN	5/6/2025 9:53:38 AM	MMDadoda	5/6/2025 12:41:35 PM	Peak Integrated by Software
VSTDICV050	VX046048.D	1,2,3-Trichloropropane	JOHN	5/6/2025 9:53:45 AM	MMDadoda	5/6/2025 12:41:37 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

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

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

Manual Integration Report

Sequence:	VX060425	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046488.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:44:18 PM	SAM	6/5/2025 4:47:19 PM	Peak Integrated by Software
VSTDCCC050	VX046488.D	Methacrylonitrile	MMDadoda	6/5/2025 4:44:18 PM	SAM	6/5/2025 4:47:19 PM	Peak Integrated by Software
VX0604WBS01	VX046491.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:44:20 PM	SAM	6/5/2025 4:47:20 PM	Peak Integrated by Software
VX0604WBSD01	VX046497.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:44:23 PM	SAM	6/5/2025 4:47:24 PM	Peak Integrated by Software
VSTDCCC050	VX046515.D	1,2,3-Trichloropropane	SAM	6/5/2025 4:47:29 PM	MMdadoda	6/6/2025 1:00:26 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022491.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	1,4-Dioxane	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC005	VY022491.D	Ethyl Acetate	SAM	6/3/2025 8:26:25 AM	MMDadoda	6/3/2025 2:38:13 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Dibromomethane	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC010	VY022492.D	Methacrylonitrile	SAM	6/3/2025 8:26:30 AM	MMDadoda	6/3/2025 2:38:15 PM	Peak Integrated by Software
VSTDICC020	VY022493.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:00 AM	MMDadoda	6/3/2025 2:38:17 PM	Peak Integrated by Software
VSTDICCC050	VY022494.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:05 AM	MMDadoda	6/3/2025 2:38:19 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC100	VY022495.D	Methacrylonitrile	SAM	6/3/2025 8:26:35 AM	MMDadoda	6/3/2025 2:38:20 PM	Peak Integrated by Software
VSTDICC150	VY022496.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:28:09 AM	MMDadoda	6/3/2025 2:38:22 PM	Peak Integrated by Software
VSTDICV050	VY022498.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:26:42 AM	MMDadoda	6/3/2025 2:38:25 PM	Peak Integrated by Software
VSTDCCC050	VY022509.D	1,2,3-Trichloropropane	SAM	6/3/2025 8:27:00 AM	MMDadoda	6/3/2025 2:38:29 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy060225	Instrument	MSVOA_y

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

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Manual Integration Report

Sequence:	vy060425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022538.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:43:30 PM	SAM	6/5/2025 4:46:48 PM	Peak Integrated by Software
VSTDCCC050	VY022538.D	Methacrylonitrile	MMDadoda	6/5/2025 4:43:30 PM	SAM	6/5/2025 4:46:48 PM	Peak Integrated by Software
VY0604SBS01	VY022540.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:43:28 PM	SAM	6/5/2025 4:46:49 PM	Peak Integrated by Software
VY0604SBS01	VY022540.D	Methacrylonitrile	MMDadoda	6/5/2025 4:43:28 PM	SAM	6/5/2025 4:46:49 PM	Peak Integrated by Software
VY0604SBSD01	VY022541.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:43:27 PM	SAM	6/5/2025 4:46:51 PM	Peak Integrated by Software
VSTDCCC050	VY022558.D	1,2,3-Trichloropropane	MMDadoda	6/5/2025 4:43:22 PM	SAM	6/5/2025 4:46:55 PM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046038.D	05 May 2025 09:37	JC/MD	Ok
2	VSTDICC001	VX046039.D	05 May 2025 10:49	JC/MD	Not Ok
3	VSTDICC005	VX046040.D	05 May 2025 11:12	JC/MD	Not Ok
4	VSTDICC020	VX046041.D	05 May 2025 11:35	JC/MD	Ok,M
5	VSTDICCC050	VX046042.D	05 May 2025 11:58	JC/MD	Ok,M
6	VSTDICC100	VX046043.D	05 May 2025 12:21	JC/MD	Ok,M
7	VSTDICC150	VX046044.D	05 May 2025 12:45	JC/MD	Ok,M
8	IBLK	VX046045.D	05 May 2025 13:08	JC/MD	Ok
9	VSTDICC005	VX046046.D	05 May 2025 16:04	JC/MD	Ok,M
10	VSTDICC001	VX046047.D	05 May 2025 16:27	JC/MD	Ok,M
11	VSTDICV050	VX046048.D	05 May 2025 16:50	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM		
SubDirectory	VX060425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134124
Initial Calibration Stds	
CCC	VP134125,VP134126
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046487.D	04 Jun 2025 09:43	JC/MD	Ok
2	VSTDCCC050	VX046488.D	04 Jun 2025 10:12	JC/MD	Ok,M
3	VX0604MBL01	VX046489.D	04 Jun 2025 10:40	JC/MD	Ok
4	VX0604WBL01	VX046490.D	04 Jun 2025 11:04	JC/MD	Ok
5	VX0604WBS01	VX046491.D	04 Jun 2025 11:27	JC/MD	Ok,M
6	Q2169-03DL	VX046492.D	04 Jun 2025 11:55	JC/MD	Ok
7	Q2168-08DL	VX046493.D	04 Jun 2025 12:18	JC/MD	Ok
8	Q2168-12DL	VX046494.D	04 Jun 2025 12:41	JC/MD	Ok
9	Q2169-01	VX046495.D	04 Jun 2025 13:05	JC/MD	Not Ok
10	Q2175-05	VX046496.D	04 Jun 2025 13:28	JC/MD	Ok
11	VX0604WBSD01	VX046497.D	04 Jun 2025 13:52	JC/MD	Ok,M
12	Q2200-01DL	VX046498.D	04 Jun 2025 14:15	JC/MD	Ok
13	Q2200-02	VX046499.D	04 Jun 2025 14:39	JC/MD	Ok
14	Q2200-05	VX046500.D	04 Jun 2025 15:02	JC/MD	Dilution
15	Q2175-06	VX046501.D	04 Jun 2025 15:26	JC/MD	Dilution
16	IBLK	VX046502.D	04 Jun 2025 15:50	JC/MD	Ok
17	IBLK	VX046503.D	04 Jun 2025 16:13	JC/MD	Ok
18	Q2200-03	VX046504.D	04 Jun 2025 16:37	JC/MD	Ok
19	Q2201-01	VX046505.D	04 Jun 2025 17:01	JC/MD	Ok
20	Q2198-05	VX046506.D	04 Jun 2025 17:25	JC/MD	Ok
21	IBLK	VX046507.D	04 Jun 2025 17:49	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM		
SubDirectory	VX060425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134124
Initial Calibration Stds	
CCC	VP134125,VP134126
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2200-01	VX046508.D	04 Jun 2025 18:12	JC/MD	Dilution
23	Q2200-05DL	VX046509.D	04 Jun 2025 18:36	JC/MD	Ok
24	Q2200-06	VX046510.D	04 Jun 2025 19:00	JC/MD	Ok
25	Q2175-06DL	VX046511.D	04 Jun 2025 19:24	JC/MD	Ok,M
26	VX0604MBS01	VX046512.D	04 Jun 2025 19:47	JC/MD	Ok,M
27	Q2168-11ME	VX046513.D	04 Jun 2025 20:11	JC/MD	Dilution
28	Q2168-07ME	VX046514.D	04 Jun 2025 20:35	JC/MD	Ok
29	VSTDCCC050	VX046515.D	04 Jun 2025 20:59	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022488.D	02 Jun 2025 08:31	SY/MD	Ok
2	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	SY/MD	Not Ok
3	VY0602SBL01	VY022490.D	02 Jun 2025 10:38	SY/MD	Not Ok
4	VSTDICC005	VY022491.D	02 Jun 2025 11:46	SY/MD	Ok,M
5	VSTDICC010	VY022492.D	02 Jun 2025 12:09	SY/MD	Ok,M
6	VSTDICC020	VY022493.D	02 Jun 2025 12:32	SY/MD	Ok,M
7	VSTDICCC050	VY022494.D	02 Jun 2025 12:54	SY/MD	Ok,M
8	VSTDICC100	VY022495.D	02 Jun 2025 13:17	SY/MD	Ok,M
9	VSTDICC150	VY022496.D	02 Jun 2025 13:39	SY/MD	Ok,M
10	VIBLK	VY022497.D	02 Jun 2025 14:03	SY/MD	Ok
11	VSTDICV050	VY022498.D	02 Jun 2025 14:59	SY/MD	Ok,M
12	VY0602SBL02	VY022499.D	02 Jun 2025 16:00	SY/MD	Ok
13	VY0602SBS01	VY022500.D	02 Jun 2025 16:24	SY/MD	Ok,M
14	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47	SY/MD	Ok,M
15	Q2160-02	VY022502.D	02 Jun 2025 17:10	SY/MD	Ok
16	Q2152-01	VY022503.D	02 Jun 2025 17:34	SY/MD	Not Ok
17	Q2153-01RE	VY022504.D	02 Jun 2025 17:57	SY/MD	Confirms
18	Q2147-02	VY022505.D	02 Jun 2025 18:21	SY/MD	Not Ok
19	Q2150-02	VY022506.D	02 Jun 2025 18:44	SY/MD	Ok
20	Q2150-05RE	VY022507.D	02 Jun 2025 19:08	SY/MD	Confirms
21	Q2161-01	VY022508.D	02 Jun 2025 19:31	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM				
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M		

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022509.D	02 Jun 2025 19:54	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM				
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022537.D	04 Jun 2025 08:48	SY/MD	Ok
2	VSTDCCC050	VY022538.D	04 Jun 2025 09:54	SY/MD	Ok,M
3	VY0604SBL01	VY022539.D	04 Jun 2025 10:24	SY/MD	Ok
4	VY0604SBS01	VY022540.D	04 Jun 2025 10:54	SY/MD	Ok,M
5	VY0604SBSD01	VY022541.D	04 Jun 2025 11:16	SY/MD	Ok,M
6	Q2126-03	VY022542.D	04 Jun 2025 11:53	SY/MD	Ok,M
7	Q2126-03	VY022543.D	04 Jun 2025 12:16	SY/MD	Ok,M
8	Q2168-03RE	VY022544.D	04 Jun 2025 12:39	SY/MD	Confirms
9	Q2182-01RE	VY022545.D	04 Jun 2025 13:03	SY/MD	Confirms
10	Q2195-01	VY022546.D	04 Jun 2025 13:26	SY/MD	ReRun
11	Q2194-01	VY022547.D	04 Jun 2025 13:50	SY/MD	Ok
12	Q2194-03	VY022548.D	04 Jun 2025 14:13	SY/MD	ReRun
13	Q2199-02	VY022549.D	04 Jun 2025 14:37	SY/MD	ReRun
14	Q2199-04	VY022550.D	04 Jun 2025 15:00	SY/MD	Not Ok
15	Q2199-06	VY022551.D	04 Jun 2025 15:24	SY/MD	Ok
16	Q2198-01	VY022552.D	04 Jun 2025 15:47	SY/MD	Ok
17	Q2198-03	VY022553.D	04 Jun 2025 16:11	SY/MD	Ok
18	Q2177-02	VY022554.D	04 Jun 2025 16:34	SY/MD	Ok
19	Q2177-04	VY022555.D	04 Jun 2025 16:58	SY/MD	Ok
20	Q2177-06	VY022556.D	04 Jun 2025 17:21	SY/MD	ReRun
21	VIBLK	VY022557.D	04 Jun 2025 17:45	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM				
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY022558.D	04 Jun 2025 18:30	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX050525

Review By	John Carlone	Review On	5/6/2025 9:53:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/6/2025 12:43:00 PM		
SubDirectory	VX050525	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP133811
Initial Calibration Stds	VP133832,VP133833,VP133834,VP133835,VP133836,VP133837
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP133838
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046038.D	05 May 2025 09:37		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046039.D	05 May 2025 10:49	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046040.D	05 May 2025 11:12	Not used	JC/MD	Not Ok
4	VSTDICC020	VSTDICC020	VX046041.D	05 May 2025 11:35		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046042.D	05 May 2025 11:58		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046043.D	05 May 2025 12:21		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046044.D	05 May 2025 12:45		JC/MD	Ok,M
8	IBLK	IBLK	VX046045.D	05 May 2025 13:08		JC/MD	Ok
9	VSTDICC005	VSTDICC005	VX046046.D	05 May 2025 16:04		JC/MD	Ok,M
10	VSTDICC001	VSTDICC001	VX046047.D	05 May 2025 16:27		JC/MD	Ok,M
11	VSTDICV050	ICVVX050525	VX046048.D	05 May 2025 16:50		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM		
SubDirectory	VX060425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134124
Initial Calibration Stds	
CCC	VP134125,VP134126
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	VX046487.D	04 Jun 2025 09:43		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046488.D	04 Jun 2025 10:12	pH#Lot#V12668	JC/MD	Ok,M
3	VX0604MBL01	VX0604MBL01	VX046489.D	04 Jun 2025 10:40		JC/MD	Ok
4	VX0604WBL01	VX0604WBL01	VX046490.D	04 Jun 2025 11:04		JC/MD	Ok
5	VX0604WBS01	VX0604WBS01	VX046491.D	04 Jun 2025 11:27	BS failed low for comp. #17	JC/MD	Ok,M
6	Q2169-03DL	303-PPR-2DL	VX046492.D	04 Jun 2025 11:55	vial B pH<2	JC/MD	Ok
7	Q2168-08DL	B3DL	VX046493.D	04 Jun 2025 12:18	vial B pH#5.0	JC/MD	Ok
8	Q2168-12DL	C2DL	VX046494.D	04 Jun 2025 12:41	vial B pH#5.0	JC/MD	Ok
9	Q2169-01	303-PPR-1	VX046495.D	04 Jun 2025 13:05	vial B pH<2;not req	JC/MD	Not Ok
10	Q2175-05	52525-B	VX046496.D	04 Jun 2025 13:28	vial A pH<2 foamy sample	JC/MD	Ok
11	VX0604WBSD01	VX0604WBSD01	VX046497.D	04 Jun 2025 13:52		JC/MD	Ok,M
12	Q2200-01DL	RMW-02B-66-060325D	VX046498.D	04 Jun 2025 14:15	vial A pH<2	JC/MD	Ok
13	Q2200-02	RMW-03B-90-060325	VX046499.D	04 Jun 2025 14:39	vial A pH<2	JC/MD	Ok
14	Q2200-05	MW-11B-37.5-060325	VX046500.D	04 Jun 2025 15:02	vial A pH<2 Need 200X	JC/MD	Dilution
15	Q2175-06	EGR-LIQUID	VX046501.D	04 Jun 2025 15:26	vial A pH<2 Need 2000X	JC/MD	Dilution
16	IBLK	IBLK	VX046502.D	04 Jun 2025 15:50		JC/MD	Ok
17	IBLK	IBLK	VX046503.D	04 Jun 2025 16:13		JC/MD	Ok
18	Q2200-03	EB01-060325	VX046504.D	04 Jun 2025 16:37	vial A pH<2 EB	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:44:40 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:48:33 PM		
SubDirectory	VX060425	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134124
Initial Calibration Stds	
CCC	VP134125,VP134126
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2201-01	MW-01-6.5-060325	VX046505.D	04 Jun 2025 17:01	vial A pH<2	JC/MD	Ok
20	Q2198-05	B-202-GW01	VX046506.D	04 Jun 2025 17:25	vial A pH<2	JC/MD	Ok
21	IBLK	IBLK	VX046507.D	04 Jun 2025 17:49		JC/MD	Ok
22	Q2200-01	RMW-02B-66-060325	VX046508.D	04 Jun 2025 18:12	vial B pH<2 Need 100X	JC/MD	Dilution
23	Q2200-05DL	MW-11B-37.5-060325D	VX046509.D	04 Jun 2025 18:36	vial B pH<2	JC/MD	Ok
24	Q2200-06	TB-01-060325	VX046510.D	04 Jun 2025 19:00	vial A pH<2 TB	JC/MD	Ok
25	Q2175-06DL	EGR-LIQUIDDL	VX046511.D	04 Jun 2025 19:24	vial B pH<2	JC/MD	Ok,M
26	VX0604MBS01	VX0604MBS01	VX046512.D	04 Jun 2025 19:47		JC/MD	Ok,M
27	Q2168-11ME	C2ME	VX046513.D	04 Jun 2025 20:11	Need 5X	JC/MD	Dilution
28	Q2168-07ME	B3ME	VX046514.D	04 Jun 2025 20:35		JC/MD	Ok
29	VSTDCCC050	VSTDCCC050EC	VX046515.D	04 Jun 2025 20:59		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022488.D	02 Jun 2025 08:31		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022489.D	02 Jun 2025 09:08	Need ICAL	SY/MD	Not Ok
3	VY0602SBL01	VY0602SBL01	VY022490.D	02 Jun 2025 10:38		SY/MD	Not Ok
4	VSTDICC005	VSTDICC005	VY022491.D	02 Jun 2025 11:46		SY/MD	Ok,M
5	VSTDICC010	VSTDICC010	VY022492.D	02 Jun 2025 12:09		SY/MD	Ok,M
6	VSTDICC020	VSTDICC020	VY022493.D	02 Jun 2025 12:32		SY/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VY022494.D	02 Jun 2025 12:54		SY/MD	Ok,M
8	VSTDICC100	VSTDICC100	VY022495.D	02 Jun 2025 13:17		SY/MD	Ok,M
9	VSTDICC150	VSTDICC150	VY022496.D	02 Jun 2025 13:39		SY/MD	Ok,M
10	VIBLK	VIBLK	VY022497.D	02 Jun 2025 14:03		SY/MD	Ok
11	VSTDICV050	ICVVY060225	VY022498.D	02 Jun 2025 14:59	Icv Fail For DOD For Com.# 18	SY/MD	Ok,M
12	VY0602SBL02	VY0602SBL02	VY022499.D	02 Jun 2025 16:00		SY/MD	Ok
13	VY0602SBS01	VY0602SBS01	VY022500.D	02 Jun 2025 16:24		SY/MD	Ok,M
14	VY0602SBSD01	VY0602SBSD01	VY022501.D	02 Jun 2025 16:47		SY/MD	Ok,M
15	Q2160-02	TP04-MHG-VOC	VY022502.D	02 Jun 2025 17:10	vial A	SY/MD	Ok
16	Q2152-01	OK-02-05292025	VY022503.D	02 Jun 2025 17:34	Not Purged,vial B	SY/MD	Not Ok
17	Q2153-01RE	TR-04-0592025RE	VY022504.D	02 Jun 2025 17:57	Surrogate Fail;Internal Standard Fail, vial B	SY/MD	Confirms

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060225

Review By	Mahesh Dadoda	Review On	6/3/2025 2:38:36 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/3/2025 2:39:16 PM		
SubDirectory	VY060225	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y060225S.M

STD. NAME	STD REF.#
Tune/Reschk	VP134084
Initial Calibration Stds	VP134085,VP134086,VP134087,VP134088,VP134089,VP134090
CCC	VP134092,VP134093
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134091
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2147-02	VOC	VY022505.D	02 Jun 2025 18:21	Not purge,vial B	SY/MD	Not Ok
19	Q2150-02	TP-42	VY022506.D	02 Jun 2025 18:44	vial B	SY/MD	Ok
20	Q2150-05RE	TP-47RE	VY022507.D	02 Jun 2025 19:08	Internal Standard Fail,vial B	SY/MD	Confirms
21	Q2161-01	B27-SOIL-SAMPLE	VY022508.D	02 Jun 2025 19:31	vial-B,Internal Standard Fail; Surrogate Fail	SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY022509.D	02 Jun 2025 19:54		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM		
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022537.D	04 Jun 2025 08:48		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022538.D	04 Jun 2025 09:54		SY/MD	Ok,M
3	VY0604SBL01	VY0604SBL01	VY022539.D	04 Jun 2025 10:24		SY/MD	Ok
4	VY0604SBS01	VY0604SBS01	VY022540.D	04 Jun 2025 10:54		SY/MD	Ok,M
5	VY0604SBSD01	VY0604SBSD01	VY022541.D	04 Jun 2025 11:16		SY/MD	Ok,M
6	Q2126-03	MDL-SOIL-03-QT2-202	VY022542.D	04 Jun 2025 11:53		SY/MD	Ok,M
7	Q2126-03	MDL-SOIL-03-QT2-202	VY022543.D	04 Jun 2025 12:16		SY/MD	Ok,M
8	Q2168-03RE	A3RE	VY022544.D	04 Jun 2025 12:39	vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
9	Q2182-01RE	OR-03-06022025RE	VY022545.D	04 Jun 2025 13:03	vial-B Internal Standard Fail	SY/MD	Confirms
10	Q2195-01	OK-01-060325	VY022546.D	04 Jun 2025 13:26	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q2194-01	COMP-12	VY022547.D	04 Jun 2025 13:50	vial-A	SY/MD	Ok
12	Q2194-03	COMP-13	VY022548.D	04 Jun 2025 14:13	vial-A Internal Standard Fail	SY/MD	ReRun
13	Q2199-02	ETGI-343	VY022549.D	04 Jun 2025 14:37	vial-A Internal Standard Fail	SY/MD	ReRun
14	Q2199-04	VNJ-231	VY022550.D	04 Jun 2025 15:00	vial-A Not purge	SY/MD	Not Ok
15	Q2199-06	72-11978	VY022551.D	04 Jun 2025 15:24	vial-A	SY/MD	Ok
16	Q2198-01	B-202-SB02	VY022552.D	04 Jun 2025 15:47	vial-A	SY/MD	Ok
17	Q2198-03	B-207-SB02	VY022553.D	04 Jun 2025 16:11	vial-A	SY/MD	Ok

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Daily Analysis Runlog For Sequence/QCBatch ID # VY060425

Review By	Mahesh Dadoda	Review On	6/5/2025 4:43:35 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/5/2025 4:47:03 PM		
SubDirectory	VY060425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134109
Initial Calibration Stds	
CCC	VP134110,VP134111,MDL VP134112,VP134113
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2177-02	B-187-SB01	VY022554.D	04 Jun 2025 16:34	vial-A	SY/MD	Ok
19	Q2177-04	B-187-SB02	VY022555.D	04 Jun 2025 16:58	vial-A	SY/MD	Ok
20	Q2177-06	B-202-SB01	VY022556.D	04 Jun 2025 17:21	vial-A Internal Standard Fail	SY/MD	ReRun
21	VIBLK	VIBLK	VY022557.D	04 Jun 2025 17:45		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY022558.D	04 Jun 2025 18:30		SY/MD	Ok,M

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LAB CHRONICLE

OrderID:	Q2198	**OrderDate:**	6/3/2025 2:31:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	N22,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2198-01	**B-202-SB02**	**SOIL**			**05/31/25**			**06/03/25**
			VOC-TCLVOA-10	8260D			06/04/25	
Q2198-02	**B-202-SB02**	**TCLP**			**05/31/25**			**06/03/25**
			TCLP VOA	8260D			06/09/25	
Q2198-03	**B-207-SB02**	**SOIL**			**06/01/25**			**06/03/25**
			VOC-TCLVOA-10	8260D			06/04/25	
Q2198-04	**B-207-SB02**	**TCLP**			**06/01/25**			**06/03/25**
			TCLP VOA	8260D			06/09/25	
Q2198-05	**B-202-GW01**	**Water**			**05/31/25**			**06/03/25**
			VOC-TCLVOA-10	8260-Low			06/04/25	