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.: Q2177

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**B-187-SB01**								
Q2177-02	B-187-SB01	SOIL	Dodecane	*	6.40	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Decane	*	11.5	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Cyclohexane, butyl-	*	4.40	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Naphthalene, decahydro-2-metl	*	6.50	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Cyclohexane, hexyl-	*	4.40	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Undecane, 2,6-dimethyl-	*	5.70	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Nonane, 4-methyl-	*	4.50	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Sulfurous acid, decyl 2-ethylhe	*	6.80	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	unknown14.950	*	4.70	J	0	0	ug/Kg
Q2177-02	B-187-SB01	SOIL	Carbonic acid, decyl prop-1-en-	*	6.70	J	0	0	ug/Kg
			Total Tics :		61.6				
			Total Concentration:		61.6				
Client ID:	**B-187-SB02**								
Q2177-04	B-187-SB02	SOIL	Acetone		66.4		5.90	31.2	ug/Kg
Q2177-04	B-187-SB02	SOIL	Carbon Disulfide		3.20	J	1.30	6.20	ug/Kg
Q2177-04	B-187-SB02	SOIL	2-Butanone		11.1	J	8.20	31.2	ug/Kg
Q2177-04	B-187-SB02	SOIL	Toluene		1.50	J	0.97	6.20	ug/Kg
			Total Voc :		82.2				
Q2177-04	B-187-SB02	SOIL	.alpha.-Pinene	*	62.5	J	0	0	ug/Kg
Q2177-04	B-187-SB02	SOIL	Benzene, 1-methyl-3-(1-methyl	*	62.5	J	0	0	ug/Kg
			Total Tics :		125				
			Total Concentration:		207				
Client ID:	**B-202-SB01**								
Q2177-06	B-202-SB01	SOIL	Carbon Disulfide		1.50	J	1.00	4.70	ug/Kg
Q2177-06	B-202-SB01	SOIL	Methylene Chloride		4.30	J	3.30	9.50	ug/Kg
			Total Voc :		5.80				
			Total Concentration:		5.80				
Client ID:	**EB05312025**								
Q2177-08	EB05312025	Water	Acetone		21.4		1.50	5.00	ug/L
Q2177-08	EB05312025	Water	2-Butanone		2.40	J	0.98	5.00	ug/L
			Total Voc :		23.8				
Q2177-08	EB05312025	Water	Hexadecane, 2,6,11,15-tetramet	*	6.50	J	0	0	ug/L
			Total Tics :		6.50				
			Total Concentration:		30.3				

SAMPLE DATA

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB00	SDG No.:	Q2177
Lab Sample ID:	Q2177-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.2
Sample Wt/Vol:	2.56 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
VY022534.D	1		06/03/25 19:42	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.50	U	2.50	10.9	ug/Kg
74-87-3	Chloromethane	2.50	U	2.50	10.9	ug/Kg
75-01-4	Vinyl Chloride	1.70	U	1.70	10.9	ug/Kg
74-83-9	Bromomethane	2.30	U	2.30	10.9	ug/Kg
75-00-3	Chloroethane	2.80	U	2.80	10.9	ug/Kg
75-69-4	Trichlorofluoromethane	2.60	U	2.60	10.9	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.30	U	2.30	10.9	ug/Kg
75-35-4	1,1-Dichloroethene	2.20	U	2.20	10.9	ug/Kg
67-64-1	Acetone	10.4	U	10.4	54.7	ug/Kg
75-15-0	Carbon Disulfide	2.30	U	2.30	10.9	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.60	U	1.60	10.9	ug/Kg
79-20-9	Methyl Acetate	3.40	U	3.40	10.9	ug/Kg
75-09-2	Methylene Chloride	7.70	U	7.70	21.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.90	U	1.90	10.9	ug/Kg
75-34-3	1,1-Dichloroethane	1.80	U	1.80	10.9	ug/Kg
110-82-7	Cyclohexane	1.70	U	1.70	10.9	ug/Kg
78-93-3	2-Butanone	14.3	U	14.3	54.7	ug/Kg
56-23-5	Carbon Tetrachloride	2.10	U	2.10	10.9	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.60	U	1.60	10.9	ug/Kg
74-97-5	Bromochloromethane	2.50	U	2.50	10.9	ug/Kg
67-66-3	Chloroform	1.80	U	1.80	10.9	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.00	U	2.00	10.9	ug/Kg
108-87-2	Methylcyclohexane	2.00	U	2.00	10.9	ug/Kg
71-43-2	Benzene	1.70	U	1.70	10.9	ug/Kg
107-06-2	1,2-Dichloroethane	1.70	U	1.70	10.9	ug/Kg
79-01-6	Trichloroethene	1.80	U	1.80	10.9	ug/Kg
78-87-5	1,2-Dichloropropane	2.00	U	2.00	10.9	ug/Kg
75-27-4	Bromodichloromethane	1.70	U	1.70	10.9	ug/Kg
108-10-1	4-Methyl-2-Pentanone	7.80	U	7.80	54.7	ug/Kg
108-88-3	Toluene	1.70	U	1.70	10.9	ug/Kg

Raw Data: **VY022534.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:	06/02/25
Client Sample ID:	B-187-SB00	SDG No.:	Q2177
Lab Sample ID:	Q2177-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.2
Sample Wt/Vol:	2.56 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
VY022534.D	1		06/03/25 19:42	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.40	U	1.40	10.9	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.40	U	1.40	10.9	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.00	U	2.00	10.9	ug/Kg
591-78-6	2-Hexanone	8.10	U	8.10	54.7	ug/Kg
124-48-1	Dibromochloromethane	1.90	U	1.90	10.9	ug/Kg
106-93-4	1,2-Dibromoethane	1.90	U	1.90	10.9	ug/Kg
127-18-4	Tetrachloroethene	2.30	U	2.30	10.9	ug/Kg
108-90-7	Chlorobenzene	2.00	U	2.00	10.9	ug/Kg
100-41-4	Ethyl Benzene	1.50	U	1.50	10.9	ug/Kg
179601-23-1	m/p-Xylenes	2.70	U	2.70	21.9	ug/Kg
95-47-6	o-Xylene	1.80	U	1.80	10.9	ug/Kg
100-42-5	Styrene	1.60	U	1.60	10.9	ug/Kg
75-25-2	Bromoform	1.90	U	1.90	10.9	ug/Kg
98-82-8	Isopropylbenzene	1.70	U	1.70	10.9	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.60	U	2.60	10.9	ug/Kg
541-73-1	1,3-Dichlorobenzene	3.70	U	3.70	10.9	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.40	U	3.40	10.9	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.20	U	3.20	10.9	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	U	4.00	10.9	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	6.50	U	6.50	10.9	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.00	U	7.00	10.9	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.8	*	70 (17) - 130 (146)	62%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	7.707			
540-36-3	1,4-Difluorobenzene	447000	8.616			
3114-55-4	Chlorobenzene-d5	314000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	80900	13.346			

Raw Data: **VY022534.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:	06/02/25
Client Sample ID:	B-187-SB00	SDG No.:	Q2177
Lab Sample ID:	Q2177-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.2
Sample Wt/Vol:	2.56 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
VY022534.D	1		06/03/25 19:42	VY060325

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:	05/31/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.2
Sample Wt/Vol:	7.42 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
VY022554.D	1		06/04/25 16:34	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.91	U	0.91	4.00	ug/Kg
74-87-3	Chloromethane	0.91	U	0.91	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.00	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.97	U	0.97	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	4.00	ug/Kg
67-64-1	Acetone	3.80	U	3.80	20.0	ug/Kg
75-15-0	Carbon Disulfide	0.85	U	0.85	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.00	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	4.00	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	4.00	ug/Kg
110-82-7	Cyclohexane	0.63	U	0.63	4.00	ug/Kg
78-93-3	2-Butanone	5.20	U	5.20	20.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.78	U	0.78	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	4.00	ug/Kg
74-97-5	Bromochloromethane	0.92	U	0.92	4.00	ug/Kg
67-66-3	Chloroform	0.67	U	0.67	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.00	ug/Kg
71-43-2	Benzene	0.63	U	0.63	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.63	U	0.63	4.00	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.73	U	0.73	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.62	U	0.62	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.0	ug/Kg
108-88-3	Toluene	0.62	U	0.62	4.00	ug/Kg

Raw Data: **VY022554.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:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.2
Sample Wt/Vol:	7.42 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
VY022554.D	1		06/04/25 16:34	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.50	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.74	U	0.74	4.00	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.0	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.70	U	0.70	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.84	U	0.84	4.00	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.00	ug/Kg
179601-23-1	m/p-Xylenes	0.99	U	0.99	8.00	ug/Kg
95-47-6	o-Xylene	0.66	U	0.66	4.00	ug/Kg
100-42-5	Styrene	0.57	U	0.57	4.00	ug/Kg
75-25-2	Bromoform	0.69	U	0.69	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.62	U	0.62	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.97	U	0.97	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.50	U	2.50	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		70 (17) - 130 (146)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	261000	7.707			
540-36-3	1,4-Difluorobenzene	475000	8.609			
3114-55-4	Chlorobenzene-d5	387000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY022554.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:	06/02/25
Client Sample ID:	B-187-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.2
Sample Wt/Vol:	7.42 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
VY022554.D	1		06/04/25 16:34	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
017301-94-9	Nonane, 4-methyl-	4.50	J		12.3	ug/Kg
000124-18-5	Decane	11.5	J		12.7	ug/Kg
001678-93-9	Cyclohexane, butyl-	4.40	J		13.2	ug/Kg
1000382-90-5	Carbonic acid, decyl prop-1-en-2-y	6.70	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	6.50	J		14.2	ug/Kg
000112-40-3	Dodecane	6.40	J		14.5	ug/Kg
017301-23-4	Undecane, 2,6-dimethyl-	5.70	J		14.6	ug/Kg
1000351-74-9	unknown14.950	4.70	J		14.9	ug/Kg
004292-75-5	Cyclohexane, hexyl-	4.40	J		15.1	ug/Kg
1000309-19-3	Sulfurous acid, decyl 2-ethylhexyl	6.80	J		15.1	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: **VY022555.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:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.8
Sample Wt/Vol:	6.37 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
VY022555.D	1		06/04/25 16:58	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.20	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.20	ug/Kg
75-01-4	Vinyl Chloride	0.99	U	0.99	6.20	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.20	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	6.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.50	U	1.50	6.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	6.20	ug/Kg
67-64-1	Acetone	66.4		5.90	31.2	ug/Kg
75-15-0	Carbon Disulfide	3.20	J	1.30	6.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.91	U	0.91	6.20	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.20	ug/Kg
75-09-2	Methylene Chloride	4.40	U	4.40	12.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.20	ug/Kg
75-34-3	1,1-Dichloroethane	1.00	U	1.00	6.20	ug/Kg
110-82-7	Cyclohexane	0.99	U	0.99	6.20	ug/Kg
78-93-3	2-Butanone	11.1	J	8.20	31.2	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.94	U	0.94	6.20	ug/Kg
74-97-5	Bromochloromethane	1.40	U	1.40	6.20	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	6.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.20	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.20	ug/Kg
71-43-2	Benzene	0.99	U	0.99	6.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.99	U	0.99	6.20	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.20	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.20	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	6.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	31.2	ug/Kg
108-88-3	Toluene	1.50	J	0.97	6.20	ug/Kg

Raw Data: **VY022555.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:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.8
Sample Wt/Vol:	6.37 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
VY022555.D	1		06/04/25 16:58	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.81	U	0.81	6.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	6.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.20	ug/Kg
591-78-6	2-Hexanone	4.60	U	4.60	31.2	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.20	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.20	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.20	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.20	ug/Kg
100-41-4	Ethyl Benzene	0.84	U	0.84	6.20	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	12.5	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.20	ug/Kg
100-42-5	Styrene	0.89	U	0.89	6.20	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.20	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	6.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	2.10	6.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.90	6.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	4.00	6.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.1	*	70 (17) - 130 (146)	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	7.707			
540-36-3	1,4-Difluorobenzene	498000	8.609			
3114-55-4	Chlorobenzene-d5	360000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	103000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY022555.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:	06/02/25
Client Sample ID:	B-187-SB02	SDG No.:	Q2177
Lab Sample ID:	Q2177-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	62.8
Sample Wt/Vol:	6.37 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
VY022555.D	1		06/04/25 16:58	VY060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000080-56-8	.alpha.-Pinene	62.5	J		12.3	ug/Kg
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	62.5	J		13.3	ug/Kg

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

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

Raw Data: **VY022568.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:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	6.18 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
VY022568.D	1		06/05/25 12:45	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.75	U	0.75	4.70	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.95	U	0.95	4.70	ug/Kg
67-64-1	Acetone	4.50	U	4.50	23.7	ug/Kg
75-15-0	Carbon Disulfide	1.50	J	1.00	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	4.70	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.70	ug/Kg
75-09-2	Methylene Chloride	4.30	J	3.30	9.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.81	U	0.81	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.76	U	0.76	4.70	ug/Kg
110-82-7	Cyclohexane	0.75	U	0.75	4.70	ug/Kg
78-93-3	2-Butanone	6.20	U	6.20	23.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.92	U	0.92	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	4.70	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	0.80	U	0.80	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	4.70	ug/Kg
71-43-2	Benzene	0.75	U	0.75	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
79-01-6	Trichloroethene	0.77	U	0.77	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.86	U	0.86	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.74	U	0.74	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	23.7	ug/Kg
108-88-3	Toluene	0.74	U	0.74	4.70	ug/Kg

Raw Data: **VY022568.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:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	6.18 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
VY022568.D	1		06/05/25 12:45	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.62	U	0.62	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.59	U	0.59	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	23.7	ug/Kg
124-48-1	Dibromochloromethane	0.82	U	0.82	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.83	U	0.83	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.99	U	0.99	4.70	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.50	ug/Kg
95-47-6	o-Xylene	0.78	U	0.78	4.70	ug/Kg
100-42-5	Styrene	0.67	U	0.67	4.70	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.74	U	0.74	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	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	499000	8.609			
3114-55-4	Chlorobenzene-d5	399000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.34			

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:	06/02/25
Client Sample ID:	B-202-SB01	SDG No.:	Q2177
Lab Sample ID:	Q2177-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.4
Sample Wt/Vol:	6.18 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
VY022568.D	1		06/05/25 12:45	VY060525

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: **VX046454.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:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	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
VX046454.D	1		06/02/25 19:06	VX060225

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	21.4		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	2.40	J	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

Raw Data: **VX046454.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:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	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
VX046454.D	1		06/02/25 19:06	VX060225

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	51.9		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	50.3		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	65900	5.544			
540-36-3	1,4-Difluorobenzene	131000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	55900	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX046454.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:	06/02/25
Client Sample ID:	EB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-08	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
VX046454.D	1		06/02/25 19:06	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000504-44-9	Hexadecane, 2,6,11,15-tetramethyl-	6.50	J		13.5	ug/L

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

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

Raw Data: **VX046444.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:	06/02/25
Client Sample ID:	TB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-09	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
VX046444.D	1		06/02/25 14:47	VX060225

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	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	0.14	U	0.14	1.00	ug/L

Raw Data: **VX046444.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:	06/02/25
Client Sample ID:	TB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-09	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
VX046444.D	1		06/02/25 14:47	VX060225

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	55.7		70 (74) - 130 (125)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	60000	5.544			
540-36-3	1,4-Difluorobenzene	122000	6.757			
3114-55-4	Chlorobenzene-d5	117000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	49200	12.018			

Raw Data: **VX046444.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:	06/02/25
Client Sample ID:	TB05312025	SDG No.:	Q2177
Lab Sample ID:	Q2177-09	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
VX046444.D	1		06/02/25 14:47	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q2177-01	B-187-SB00	1,2-Dichloroethane-d4	50	48.3	97		70 (63)	130 (155)
		Dibromofluoromethane	50	51.7	103		70 (70)	130 (134)
		Toluene-d8	50	48.7	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	30.8	62	*	70 (17)	130 (146)
Q2177-02	B-187-SB01	1,2-Dichloroethane-d4	50	52.2	104		70 (63)	130 (155)
		Dibromofluoromethane	50	51.2	102		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.8	86		70 (17)	130 (146)
Q2177-04	B-187-SB02	1,2-Dichloroethane-d4	50	52.0	104		70 (63)	130 (155)
		Dibromofluoromethane	50	52.1	104		70 (70)	130 (134)
		Toluene-d8	50	49.7	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	33.1	66	*	70 (17)	130 (146)
Q2177-06	B-202-SB01	1,2-Dichloroethane-d4	50	49.9	100		70 (63)	130 (155)
		Dibromofluoromethane	50	49.5	99		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	41.7	83		70 (17)	130 (146)
VY0603SBL01	VY0603SBL01	1,2-Dichloroethane-d4	50	53.5	107		70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102		70 (70)	130 (134)
		Toluene-d8	50	49.9	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.0	84		70 (17)	130 (146)
VY0603SBS01	VY0603SBS01	1,2-Dichloroethane-d4	50	50.0	100		70 (63)	130 (155)
		Dibromofluoromethane	50	51.0	102		70 (70)	130 (134)
		Toluene-d8	50	51.5	103		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.0	98		70 (17)	130 (146)
VY0603SBSD01	VY0603SBSD01	1,2-Dichloroethane-d4	50	50.7	101		70 (63)	130 (155)
		Dibromofluoromethane	50	51.5	103		70 (70)	130 (134)
		Toluene-d8	50	52.6	105		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.1	100		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)
VY0605SBL01	VY0605SBL01	1,2-Dichloroethane-d4	50	51.7	103		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	49.6	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.7	81		70 (17)	130 (146)
VY0605SBS01	VY0605SBS01	1,2-Dichloroethane-d4	50	49.6	99		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	50.5	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.3	97		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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2177-08	EB05312025	1,2-Dichloroethane-d4	50	51.9	104	70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98	70 (75)	130 (124)
		Toluene-d8	50	50.3	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.1	106	70 (77)	130 (121)
Q2177-09	TB05312025	1,2-Dichloroethane-d4	50	55.7	111	70 (74)	130 (125)
		Dibromofluoromethane	50	51.7	103	70 (75)	130 (124)
		Toluene-d8	50	50.1	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.4	103	70 (77)	130 (121)
VX0602WBL01	VX0602WBL01	1,2-Dichloroethane-d4	50	53.9	108	70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103	70 (75)	130 (124)
		Toluene-d8	50	50.9	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.8	102	70 (77)	130 (121)
VX0602WBS01	VX0602WBS01	1,2-Dichloroethane-d4	50	49.5	99	70 (74)	130 (125)
		Dibromofluoromethane	50	51.6	103	70 (75)	130 (124)
		Toluene-d8	50	49.2	98	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.8	100	70 (77)	130 (121)
VX0602WBSD0	VX0602WBSD01	1,2-Dichloroethane-d4	50	50.1	100	70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101	70 (75)	130 (124)
		Toluene-d8	50	48.3	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100	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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046436.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0602WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			40 (69)	160 (116)	
	Chloromethane	20	16.8	ug/L	84			40 (65)	160 (116)	
	Vinyl chloride	20	16.8	ug/L	84			70 (65)	130 (117)	
	Bromomethane	20	17.0	ug/L	85			40 (58)	160 (125)	
	Chloroethane	20	18.7	ug/L	94			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.5	ug/L	93			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.3	ug/L	92			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	14.3	ug/L	72			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.2	ug/L	101			70 (78)	130 (114)	
	Methyl Acetate	20	26.5	ug/L	133		*	70 (67)	130 (125)	
	Methylene Chloride	20	18.0	ug/L	90			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.0	ug/L	90			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.2	ug/L	101			70 (78)	130 (112)	
	Cyclohexane	20	17.6	ug/L	88			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.6	ug/L	98			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.6	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	23.3	ug/L	117			70 (70)	130 (124)	
	Chloroform	20	20.5	ug/L	103			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			70 (80)	130 (108)	
	Methylcyclohexane	20	17.3	ug/L	86			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.7	ug/L	104			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.4	ug/L	107			70 (83)	130 (111)	
	Bromodichloromethane	20	21.5	ug/L	108			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	19.9	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.3	ug/L	106			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	21.4	ug/L	107			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.4	ug/L	102			70 (81)	130 (110)	
	Tetrachloroethene	20	19.3	ug/L	97			70 (67)	130 (123)	
	Chlorobenzene	20	19.6	ug/L	98			70 (82)	130 (109)	
	Ethyl Benzene	20	19.8	ug/L	99			70 (83)	130 (109)	
	m/p-Xylenes	40	39.6	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	20.3	ug/L	102			70 (83)	130 (109)	
	Styrene	20	21.0	ug/L	105			70 (80)	130 (111)	
	Bromoform	20	20.7	ug/L	104			70 (79)	130 (109)	
	Isopropylbenzene	20	20.6	ug/L	103			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/L	103			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	20.4	ug/L	102			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046436.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0602WBS01	1,2-Dibromo-3-Chloropropane	20	21.8	ug/L	109			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	20.3	ug/L	102			70 (76)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046437.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0602WBSD01	Dichlorodifluoromethane	20	17.2	ug/L	86	0		40 (69)	160 (116)	20 (20)
	Chloromethane	20	16.9	ug/L	85	1		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	16.6	ug/L	83	1		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.2	ug/L	86	1		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.3	ug/L	92	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.1	ug/L	91	2		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96	3		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	18.0	ug/L	90	2		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	0		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	14.0	ug/L	70	3		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.9	ug/L	104	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	27.2	ug/L	136	2	*	70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	18.8	ug/L	94	4		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	2		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	20.2	ug/L	101	0		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	17.6	ug/L	88	0		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.3	ug/L	97	1		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	23.6	ug/L	118	1		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.8	ug/L	104	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.7	ug/L	99	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.2	ug/L	86	0		70 (72)	130 (115)	20 (20)
	Benzene	20	19.7	ug/L	99	0		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	20.8	ug/L	104	0		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.3	ug/L	97	1		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	20.9	ug/L	104	3		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	20.8	ug/L	104	4		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		40 (74)	160 (118)	20 (20)
	Toluene	20	19.9	ug/L	100	0		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.9	ug/L	100	1		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.2	ug/L	101	0		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	21.6	ug/L	108	2		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	21.5	ug/L	108	1		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.8	ug/L	104	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.4	ug/L	92	5		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.7	ug/L	99	1		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	19.9	ug/L	100	1		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	40.2	ug/L	101	2		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.6	ug/L	103	1		70 (83)	130 (109)	20 (20)
	Styrene	20	20.9	ug/L	104	1		70 (80)	130 (111)	20 (20)
	Bromoform	20	20.8	ug/L	104	0		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.2	ug/L	101	2		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	21.5	ug/L	108	5		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.1	ug/L	101	1		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.9	ug/L	100	1		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	21.0	ug/L	105	3		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX046437.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0602WBSD01	1,2-Dibromo-3-Chloropropane	20	21.6	ug/L	108	1		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.6	ug/L	98	4		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	20.5	ug/L	103	1		70 (76)	130 (114)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0603SBS01	Dichlorodifluoromethane	20	22.1	ug/Kg	111			40 (64)	160 (136)	
	Chloromethane	20	18.4	ug/Kg	92			40 (52)	160 (151)	
	Vinyl chloride	20	20.8	ug/Kg	104			70 (56)	130 (148)	
	Bromomethane	20	20.2	ug/Kg	101			40 (58)	160 (141)	
	Chloroethane	20	21.3	ug/Kg	106			40 (69)	160 (130)	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	140	ug/Kg	140			40 (40)	160 (171)	
	Carbon disulfide	20	20.8	ug/Kg	104			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			70 (77)	130 (129)	
	Methyl Acetate	20	20.6	ug/Kg	103			70 (69)	130 (149)	
	Methylene Chloride	20	18.5	ug/Kg	93			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Cyclohexane	20	20.2	ug/Kg	101			70 (76)	130 (122)	
	2-Butanone	100	120	ug/Kg	120			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.2	ug/Kg	101			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	Bromochloromethane	20	21.3	ug/Kg	106			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	19.8	ug/Kg	99			70 (77)	130 (123)	
	Benzene	20	20.7	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			70 (81)	130 (126)	
	Trichloroethene	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	Bromodichloromethane	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	96.0	ug/Kg	96			40 (70)	160 (135)	
	Toluene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	19.8	ug/Kg	99			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			70 (80)	130 (125)	
	Tetrachloroethene	20	21.2	ug/Kg	106			70 (83)	130 (125)	
	Chlorobenzene	20	20.3	ug/Kg	102			70 (84)	130 (122)	
	Ethyl Benzene	20	20.3	ug/Kg	102			70 (82)	130 (124)	
	m/p-Xylenes	40	40.2	ug/Kg	101			70 (83)	130 (124)	
	o-Xylene	20	20.0	ug/Kg	100			70 (83)	130 (123)	
	Styrene	20	19.9	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	20	18.6	ug/Kg	93			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0603SBS01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/Kg	95			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.8	ug/Kg	94			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0603SBSD01	Dichlorodifluoromethane	20	22.4	ug/Kg	112	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	22.2	ug/Kg	111	19		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	22.2	ug/Kg	111	7		70 (56)	130 (148)	30 (20)
	Bromomethane	20	21.2	ug/Kg	106	5		40 (58)	160 (141)	30 (20)
	Chloroethane	20	21.6	ug/Kg	108	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.2	ug/Kg	106	5		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	21.7	ug/Kg	109	3		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	15		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	21.3	ug/Kg	106	2		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103	1		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.5	ug/Kg	98	5		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.3	ug/Kg	97	4		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104	1		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.1	ug/Kg	106	0		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.7	ug/Kg	99	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	9		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.9	ug/Kg	104	3		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.4	ug/Kg	107	4		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.8	ug/Kg	104	2		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	21.2	ug/Kg	106	0		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.3	ug/Kg	102	3		70 (77)	130 (123)	30 (20)
	Benzene	20	21.0	ug/Kg	105	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.0	ug/Kg	105	3		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.5	ug/Kg	108	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.7	ug/Kg	104	0		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.0	ug/Kg	105	1		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	96.9	ug/Kg	97	1		40 (70)	160 (135)	30 (20)
	Toluene	20	20.5	ug/Kg	103	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	0		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	98.4	ug/Kg	98	12		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.2	ug/Kg	101	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.0	ug/Kg	100	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.3	ug/Kg	106	0		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.1	ug/Kg	106	4		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.8	ug/Kg	104	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	41.3	ug/Kg	103	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.7	ug/Kg	104	4		70 (83)	130 (123)	30 (20)
	Styrene	20	20.6	ug/Kg	103	3		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.9	ug/Kg	100	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.1	ug/Kg	106	5		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.0	ug/Kg	100	7		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103	6		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	4		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	5		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0603SBSD01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97	2		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.9	ug/Kg	104	10		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.3	ug/Kg	102	5		70 (70)	130 (137)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

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.: Q2177

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.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0605SBS01	Dichlorodifluoromethane	20	21.6	ug/Kg	108			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (52)	160 (151)	
	Vinyl chloride	20	24.1	ug/Kg	121			70 (56)	130 (148)	
	Bromomethane	20	23.0	ug/Kg	115			40 (58)	160 (141)	
	Chloroethane	20	24.2	ug/Kg	121			40 (69)	160 (130)	
	Trichlorofluoromethane	20	25.7	ug/Kg	129			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			70 (81)	130 (123)	
	1,1-Dichloroethene	20	21.2	ug/Kg	106			70 (79)	130 (121)	
	Acetone	100	94.2	ug/Kg	94			40 (40)	160 (171)	
	Carbon disulfide	20	20.7	ug/Kg	104			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102			70 (77)	130 (129)	
	Methyl Acetate	20	19.1	ug/Kg	96			70 (69)	130 (149)	
	Methylene Chloride	20	21.5	ug/Kg	108			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.4	ug/Kg	107			70 (82)	130 (123)	
	Cyclohexane	20	20.0	ug/Kg	100			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.7	ug/Kg	104			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	20.0	ug/Kg	100			70 (80)	130 (127)	
	Chloroform	20	21.2	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.0	ug/Kg	105			70 (80)	130 (126)	
	Methylcyclohexane	20	20.0	ug/Kg	100			70 (77)	130 (123)	
	Benzene	20	20.9	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.9	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	Bromodichloromethane	20	20.8	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	97.2	ug/Kg	97			40 (70)	160 (135)	
	Toluene	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.4	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			70 (82)	130 (125)	
	2-Hexanone	100	95.8	ug/Kg	96			40 (66)	160 (138)	
	Dibromochloromethane	20	20.1	ug/Kg	101			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			70 (80)	130 (125)	
	Tetrachloroethene	20	20.4	ug/Kg	102			70 (83)	130 (125)	
	Chlorobenzene	20	20.8	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	20.2	ug/Kg	101			70 (82)	130 (124)	
	m/p-Xylenes	40	39.9	ug/Kg	100			70 (83)	130 (124)	
	o-Xylene	20	20.1	ug/Kg	101			70 (83)	130 (123)	
	Styrene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	19.9	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	20	20.9	ug/Kg	104			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.6	ug/Kg	103			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.2	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2177

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY022562.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0605SBS01	1,2-Dibromo-3-Chloropropane	20	18.2	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.4	ug/Kg	97			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0602WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046435.D Lab Sample ID: VX0602WBL01

Date Analyzed: 06/02/2025 Time Analyzed: 11:14

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
VX0602WBS01	VX0602WBS01	VX046436.D	06/02/2025
VX0602WBSD01	VX0602WBSD01	VX046437.D	06/02/2025
TB05312025	Q2177-09	VX046444.D	06/02/2025
EB05312025	Q2177-08	VX046454.D	06/02/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0603SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022512.D Lab Sample ID: VY0603SBL01

Date Analyzed: 06/03/2025 Time Analyzed: 10:40

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
VY0603SBS01	VY0603SBS01	VY022513.D	06/03/2025
VY0603SBSD01	VY0603SBSD01	VY022514.D	06/03/2025
B-187-SB00	Q2177-01	VY022534.D	06/03/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0604SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

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
B-187-SB01	Q2177-02	VY022554.D	06/04/2025
B-187-SB02	Q2177-04	VY022555.D	06/04/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0605SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022561.D Lab Sample ID: VY0605SBL01

Date Analyzed: 06/05/2025 Time Analyzed: 09:11

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
VY0605SBS01	VY0605SBS01	VY022562.D	06/05/2025
B-202-SB01	Q2177-06	VY022568.D	06/05/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046432.D BFB Injection Date: 06/02/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:42

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	55.8
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	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	67.7
175	5.0 - 9.0% of mass 174	5.5 (8.1) 1
176	95.0 - 101.0% of mass 174	66.8 (98.6) 1
177	5.0 - 9.0% of mass 176	4.2 (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	VX046433.D	06/02/2025	10:21
VX0602WBL01	VX0602WBL01	VX046435.D	06/02/2025	11:14
VX0602WBS01	VX0602WBS01	VX046436.D	06/02/2025	11:37
VX0602WBSD01	VX0602WBSD01	VX046437.D	06/02/2025	12:04
TB05312025	Q2177-09	VX046444.D	06/02/2025	14:47
EB05312025	Q2177-08	VX046454.D	06/02/2025	19:06

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022510.D BFB Injection Date: 06/03/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:03

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	26
75	30.0 - 60.0% of mass 95	59.1
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 (1.4) 1
174	50.0 - 100.0% of mass 95	82.6
175	5.0 - 9.0% of mass 174	6.2 (7.6) 1
176	95.0 - 101.0% of mass 174	79.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (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	VY022511.D	06/03/2025	10:03
VY0603SBL01	VY0603SBL01	VY022512.D	06/03/2025	10:40
VY0603SBS01	VY0603SBS01	VY022513.D	06/03/2025	11:15
VY0603SBSD01	VY0603SBSD01	VY022514.D	06/03/2025	11:38
B-187-SB00	Q2177-01	VY022534.D	06/03/2025	19:42

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

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
B-187-SB01	Q2177-02	VY022554.D	06/04/2025	16:34
B-187-SB02	Q2177-04	VY022555.D	06/04/2025	16:58

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022559.D BFB Injection Date: 06/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:08

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	25.2
75	30.0 - 60.0% of mass 95	58.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.5 (7.9) 1
176	95.0 - 101.0% of mass 174	80.9 (97.1) 1
177	5.0 - 9.0% of mass 176	5.2 (6.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022560.D	06/05/2025	08:40
VY0605SBL01	VY0605SBL01	VY022561.D	06/05/2025	09:11
VY0605SBS01	VY0605SBS01	VY022562.D	06/05/2025	09:41
B-202-SB01	Q2177-06	VY022568.D	06/05/2025	12:45

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046433.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_X Time Analyzed: 10:21

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	91247	5.54	155497	6.75	135003	10.05
UPPER LIMIT	182494	6.038	310994	7.251	270006	10.549
LOWER LIMIT	45623.5	5.038	77748.5	6.251	67501.5	9.549
EPA SAMPLE NO.						
EB05312025	65892	5.54	131320	6.76	124794	10.06
TB05312025	60024	5.54	122332	6.76	117285	10.05
VX0602WBL01	66983	5.54	131566	6.76	125222	10.05
VX0602WBS01	88536	5.54	152496	6.76	133074	10.05
VX0602WBSD01	82810	5.54	146139	6.76	127160	10.05

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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VX046433.D Date Analyzed: 06/02/2025

Instrument ID: MSVOA_X Time Analyzed: 10:21

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

	IS4 AREA #	RT #				
12 HOUR STD	65264	12.018				
UPPER LIMIT	130528	12.518				
LOWER LIMIT	32632	11.518				
EPA SAMPLE NO.						
EB05312025	55855	12.02				
TB05312025	49224	12.02				
VX0602WBL01	51823	12.02				
VX0602WBS01	62985	12.02				
VX0602WBSD01	61222	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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022511.D Date Analyzed: 06/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:03

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	187797	7.71	325302	8.62	276655	11.42
UPPER LIMIT	375594	8.213	650604	9.115	553310	11.92
LOWER LIMIT	93898.5	7.213	162651	8.115	138328	10.92
EPA SAMPLE NO.						
B-187-SB00	249503	7.71	446768	8.62	313918	11.41
VY0603SBL01	287398	7.71	534399	8.62	428748	11.42
VY0603SBS01	197612	7.71	337632	8.62	284268	11.42
VY0603SBSD01	196295	7.71	333757	8.62	277257	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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022511.D Date Analyzed: 06/03/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:03

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

	IS4 AREA #	RT #				
12 HOUR STD	130385	13.346				
UPPER LIMIT	260770	13.846				
LOWER LIMIT	65192.5	12.846				
EPA SAMPLE NO.						
B-187-SB00	80935	13.35				
VY0603SBL01	155262	13.35				
VY0603SBS01	131961	13.35				
VY0603SBSD01	127082	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

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-187-SB01	261314	7.71	474753	8.61	386745	11.41
B-187-SB02	280753	7.71	497958	8.61	360175	11.41
VY0604SBL01	271205	7.71	498185	8.62	390593	11.41
VY0604SBS01	177182	7.71	307142	8.62	260223	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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

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-187-SB01	144573	13.35				
B-187-SB02	103121	13.34				
VY0604SBL01	137326	13.35				
VY0604SBS01	119650	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022560.D Date Analyzed: 06/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

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	179733	7.71	304462	8.62	260955	11.41
UPPER LIMIT	359466	8.207	608924	9.116	521910	11.914
LOWER LIMIT	89866.5	7.207	152231	8.116	130478	10.914
EPA SAMPLE NO.						
B-202-SB01	270828	7.71	498576	8.61	399252	11.41
VY0605SBL01	260317	7.71	481555	8.61	383268	11.41
VY0605SBS01	185960	7.71	319893	8.62	265176	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.: Q2177 SAS No.: Q2177 SDG NO.: Q2177

Lab File ID: VY022560.D Date Analyzed: 06/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:40

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

	IS4 AREA #	RT #				
12 HOUR STD	122317	13.346				
UPPER LIMIT	244634	13.846				
LOWER LIMIT	61158.5	12.846				
EPA SAMPLE NO.						
B-202-SB01	144715	13.34				
VY0605SBL01	134444	13.35				
VY0605SBS01	121174	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: **VX046435.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:	VX0602WBL01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBL01	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
VX046435.D	1		06/02/25 11:14	VX060225

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

Raw Data: **VX046435.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:	VX0602WBL01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBL01	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
VX046435.D	1		06/02/25 11:14	VX060225

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	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	67000	5.544			
540-36-3	1,4-Difluorobenzene	132000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51800	12.018			

Raw Data: **VX046435.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:	VX0602WBL01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBL01	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
VX046435.D	1		06/02/25 11:14	VX060225

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:	VY0603SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBL01	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
VY022512.D	1		06/03/25 10:40	VY060325

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0603SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBL01	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
VY022512.D	1		06/03/25 10:40	VY060325

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	53.5		70 (63) - 130 (155)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		70 (17) - 130 (146)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	287000	7.713			
540-36-3	1,4-Difluorobenzene	534000	8.616			
3114-55-4	Chlorobenzene-d5	429000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	155000	13.346			

Raw Data: **VY022512.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:	VY0603SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBL01	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
VY022512.D	1		06/03/25 10:40	VY060325

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.:	Q2177
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

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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.:	Q2177
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**

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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.:	Q2177
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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBL01	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
VY022561.D	1		06/05/25 09:11	VY060525

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0605SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBL01	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
VY022561.D	1		06/05/25 09:11	VY060525

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	51.7		70 (63) - 130 (155)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.7		70 (17) - 130 (146)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	260000	7.707			
540-36-3	1,4-Difluorobenzene	482000	8.609			
3114-55-4	Chlorobenzene-d5	383000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	134000	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:	VY0605SBL01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBL01	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
VY022561.D	1		06/05/25 09:11	VY060525

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: **VX046436.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:	VX0602WBS01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBS01	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
VX046436.D	1		06/02/25 11:37	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.22	1.00	ug/L
74-87-3	Chloromethane	16.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.8		0.26	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	5.00	ug/L
75-00-3	Chloroethane	18.7		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.3		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	26.5		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		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	23.3		0.22	1.00	ug/L
67-66-3	Chloroform	20.5		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.3		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.9		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:	VX0602WBS01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBS01	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
VX046436.D	1		06/02/25 11:37	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.6		0.24	2.00	ug/L
95-47-6	o-Xylene	20.3		0.12	1.00	ug/L
100-42-5	Styrene	21.0		0.15	1.00	ug/L
75-25-2	Bromoform	20.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.5		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	19.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.3		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	88500	5.544			
540-36-3	1,4-Difluorobenzene	152000	6.757			
3114-55-4	Chlorobenzene-d5	133000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63000	12.018			

Raw Data: **VX046436.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:	VX0602WBS01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBS01	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
VX046436.D	1		06/02/25 11:37	VX060225

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:	VY0603SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBS01	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
VY022513.D	1		06/03/25 11:15	VY060325

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	18.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		1.00	5.00	ug/Kg
67-64-1	Acetone	140		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.2		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	120		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	21.3		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	19.8		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		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:	VY0603SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBS01	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
VY022513.D	1		06/03/25 11:15	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.6		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		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	19.4		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	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		70 (17) - 130 (146)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	7.707			
540-36-3	1,4-Difluorobenzene	338000	8.615			
3114-55-4	Chlorobenzene-d5	284000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.346			

Raw Data: **VY022513.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:	VY0603SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBS01	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
VY022513.D	1		06/03/25 11:15	VY060325

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:	VY0604SBS01	SDG No.:	Q2177
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

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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.:	Q2177
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**

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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.:	Q2177
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:	VY0605SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBS01	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
VY022562.D	1		06/05/25 09:41	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	24.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	25.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.2		1.00	5.00	ug/Kg
67-64-1	Acetone	94.2		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		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	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.2		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.0		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	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.9		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.8		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	97.2		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		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:	VY0605SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBS01	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
VY022562.D	1		06/05/25 09:41	VY060525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.4		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	95.8		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.8		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	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.9		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.2		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		70 (63) - 130 (155)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (17) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	7.707			
540-36-3	1,4-Difluorobenzene	320000	8.616			
3114-55-4	Chlorobenzene-d5	265000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	121000	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:	VY0605SBS01	SDG No.:	Q2177
Lab Sample ID:	VY0605SBS01	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
VY022562.D	1		06/05/25 09:41	VY060525

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: **VX046437.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:	VX0602WBSD01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBSD01	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
VX046437.D	1		06/02/25 12:04	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.2		0.22	1.00	ug/L
74-87-3	Chloromethane	16.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.26	1.00	ug/L
74-83-9	Bromomethane	17.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.0		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	14.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	27.2		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.8		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.6		0.22	1.00	ug/L
67-66-3	Chloroform	20.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.2		0.16	1.00	ug/L
71-43-2	Benzene	19.7		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.9		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:	VX0602WBSD01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBSD01	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
VX046437.D	1		06/02/25 12:04	VX060225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.4		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.2		0.24	2.00	ug/L
95-47-6	o-Xylene	20.6		0.12	1.00	ug/L
100-42-5	Styrene	20.9		0.15	1.00	ug/L
75-25-2	Bromoform	20.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		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	21.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.6		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	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82800	5.544			
540-36-3	1,4-Difluorobenzene	146000	6.757			
3114-55-4	Chlorobenzene-d5	127000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	61200	12.018			

Raw Data: **VX046437.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:	VX0602WBSD01	SDG No.:	Q2177
Lab Sample ID:	VX0602WBSD01	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
VX046437.D	1		06/02/25 12:04	VX060225

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:	VY0603SBSD01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBSD01	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
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.2		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.6		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.7		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		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	20.8		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	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	21.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.9		3.60	25.0	ug/Kg
108-88-3	Toluene	20.5		0.78	5.00	ug/Kg

Raw Data: **VY022514.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:	VY0603SBSD01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBSD01	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
VY022514.D	1		06/03/25 11:38	VY060325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.2		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.9		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.0		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.9		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.9		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.3		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	52.6		70 (74) - 130 (123)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	7.707			
540-36-3	1,4-Difluorobenzene	334000	8.616			
3114-55-4	Chlorobenzene-d5	277000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.346			

Raw Data: **VY022514.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:	VY0603SBSD01	SDG No.:	Q2177
Lab Sample ID:	VY0603SBSD01	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
VY022514.D	1		06/03/25 11:38	VY060325

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,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_X Calibration Date/Time: 06/02/2025 10:21

Lab File ID: VX046433.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	0.849		10.98	20
Chloromethane	0.742	0.817	0.1	10.11	20
Vinyl Chloride	0.691	0.734		6.22	20
Bromomethane	0.320	0.335		4.69	20
Chloroethane	0.369	0.412		11.65	20
Trichlorofluoromethane	1.021	1.136		11.26	20
1,1,2-Trichlorotrifluoroethane	0.632	0.722		14.24	20
1,1-Dichloroethene	0.593	0.650		9.61	20
Acetone	0.374	0.439		17.38	20
Carbon Disulfide	1.406	1.520		8.11	20
Methyl tert-butyl Ether	2.079	2.353		13.18	20
Methyl Acetate	0.867	1.189		37.14	20
Methylene Chloride	0.716	0.757		5.73	20
trans-1,2-Dichloroethene	0.596	0.645		8.22	20
1,1-Dichloroethane	1.219	1.379	0.1	13.13	20
Cyclohexane	1.111	1.177		5.94	20
2-Butanone	0.543	0.604		11.23	20
Carbon Tetrachloride	0.544	0.625		14.89	20
cis-1,2-Dichloroethene	0.718	0.805		12.12	20
Bromochloromethane	0.587	0.610		3.92	20
Chloroform	1.271	1.419		11.64	20
1,1,1-Trichloroethane	1.101	1.237		12.35	20
Methylcyclohexane	0.623	0.681		9.31	20
Benzene	1.417	1.575		11.15	20
1,2-Dichloroethane	0.612	0.699		14.22	20
Trichloroethene	0.341	0.385		12.9	20
1,2-Dichloropropane	0.352	0.411		16.76	20
Bromodichloromethane	0.547	0.648		18.46	20
4-Methyl-2-Pentanone	0.605	0.682		12.73	20
Toluene	0.869	0.958		10.24	20
t-1,3-Dichloropropene	0.487	0.591		21.35	20
cis-1,3-Dichloropropene	0.538	0.646		20.07	20
1,1,2-Trichloroethane	0.343	0.382		11.37	20
2-Hexanone	0.448	0.509		13.62	20
Dibromochloromethane	0.376	0.460		22.34	20
1,2-Dibromoethane	0.356	0.395		10.95	20
Tetrachloroethene	0.354	0.389		9.89	20
Chlorobenzene	1.094	1.197	0.3	9.41	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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_X Calibration Date/Time: 06/02/2025 10:21

Lab File ID: VX046433.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	2.190		13.53	20
m/p-Xylenes	0.706	0.792		12.18	20
o-Xylene	0.688	0.779		13.23	20
Styrene	1.127	1.328		17.83	20
Bromoform	0.281	0.340	0.1	21	20
Isopropylbenzene	3.893	4.366		12.15	20
1,1,2,2-Tetrachloroethane	1.364	1.417	0.3	3.89	20
1,3-Dichlorobenzene	1.649	1.823		10.55	20
1,4-Dichlorobenzene	1.684	1.827		8.49	20
1,2-Dichlorobenzene	1.655	1.818		9.85	20
1,2-Dibromo-3-Chloropropane	0.302	0.337		11.59	20
1,2,4-Trichlorobenzene	0.951	1.078		13.35	20
1,2,3-Trichlorobenzene	0.981	1.103		12.44	20
1,2-Dichloroethane-d4	0.932	0.936		0.43	20
Dibromofluoromethane	0.360	0.394		9.44	20
Toluene-d8	1.246	1.254		0.64	20
4-Bromofluorobenzene	0.478	0.507		6.07	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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/03/2025 10:03

Lab File ID: VY022511.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	0.404		-9.82	20
Chloromethane	1.322	1.316	0.1	-0.45	20
Vinyl Chloride	1.534	1.560		1.7	20
Bromomethane	1.470	1.393		-5.24	20
Chloroethane	1.053	1.102		4.65	20
Trichlorofluoromethane	1.302	1.272		-2.3	20
1,1,2-Trichlorotrifluoroethane	0.549	0.523		-4.74	20
1,1-Dichloroethene	0.524	0.513		-2.1	20
Acetone	0.114	0.097		-14.91	20
Carbon Disulfide	1.679	1.680		0.06	20
Methyl tert-butyl Ether	1.477	1.494		1.15	20
Methyl Acetate	0.336	0.372		10.71	20
Methylene Chloride	0.645	0.579		-10.23	20
trans-1,2-Dichloroethene	0.587	0.598		1.87	20
1,1-Dichloroethane	1.079	1.105	0.1	2.41	20
Cyclohexane	1.075	0.985		-8.37	20
2-Butanone	0.164	0.160		-2.44	20
Carbon Tetrachloride	0.497	0.487		-2.01	20
cis-1,2-Dichloroethene	0.678	0.701		3.39	20
Bromochloromethane	0.471	0.559		18.68	20
Chloroform	1.069	1.105		3.37	20
1,1,1-Trichloroethane	0.949	0.968		2	20
Methylcyclohexane	0.651	0.616		-5.38	20
Benzene	1.431	1.436		0.35	20
1,2-Dichloroethane	0.391	0.395		1.02	20
Trichloroethene	0.350	0.343		-2	20
1,2-Dichloropropane	0.338	0.343		1.48	20
Bromodichloromethane	0.482	0.494		2.49	20
4-Methyl-2-Pentanone	0.233	0.236		1.29	20
Toluene	0.899	0.901		0.22	20
t-1,3-Dichloropropene	0.452	0.460		1.77	20
cis-1,3-Dichloropropene	0.526	0.531		0.95	20
1,1,2-Trichloroethane	0.243	0.243		0	20
2-Hexanone	0.156	0.155		-0.64	20
Dibromochloromethane	0.308	0.312		1.3	20
1,2-Dibromoethane	0.221	0.225		1.81	20
Tetrachloroethene	0.430	0.422		-1.86	20
Chlorobenzene	1.106	1.118	0.3	1.09	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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/03/2025 10:03

Lab File ID: VY022511.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	2.059		0.34	20
m/p-Xylenes	0.778	0.765		-1.67	20
o-Xylene	0.729	0.713		-2.19	20
Styrene	1.206	1.220		1.16	20
Bromoform	0.198	0.195	0.1	-1.51	20
Isopropylbenzene	4.105	4.015		-2.19	20
1,1,2,2-Tetrachloroethane	0.674	0.669	0.3	-0.74	20
1,3-Dichlorobenzene	1.755	1.733		-1.25	20
1,4-Dichlorobenzene	1.702	1.659		-2.53	20
1,2-Dichlorobenzene	1.490	1.467		-1.54	20
1,2-Dibromo-3-Chloropropane	0.098	0.103		5.1	20
1,2,4-Trichlorobenzene	0.813	0.835		2.71	20
1,2,3-Trichlorobenzene	0.697	0.701		0.57	20
1,2-Dichloroethane-d4	0.559	0.576		3.04	20
Dibromofluoromethane	0.298	0.300		0.67	20
Toluene-d8	1.206	1.224		1.49	20
4-Bromofluorobenzene	0.359	0.354		-1.39	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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

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.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/05/2025 08:40

Lab File ID: VY022560.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	0.407		-9.15	20
Chloromethane	1.322	1.167	0.1	-11.73	20
Vinyl Chloride	1.534	1.704		11.08	20
Bromomethane	1.470	1.259		-14.35	20
Chloroethane	1.053	1.178		11.87	20
Trichlorofluoromethane	1.302	1.466		12.6	20
1,1,2-Trichlorotrifluoroethane	0.549	0.546		-0.55	20
1,1-Dichloroethene	0.524	0.529		0.95	20
Acetone	0.114	0.119		4.39	20
Carbon Disulfide	1.679	1.678		-0.06	20
Methyl tert-butyl Ether	1.477	1.489		0.81	20
Methyl Acetate	0.336	0.321		-4.46	20
Methylene Chloride	0.645	0.623		-3.41	20
trans-1,2-Dichloroethene	0.587	0.597		1.7	20
1,1-Dichloroethane	1.079	1.131	0.1	4.82	20
Cyclohexane	1.075	1.015		-5.58	20
2-Butanone	0.164	0.168		2.44	20
Carbon Tetrachloride	0.497	0.510		2.62	20
cis-1,2-Dichloroethene	0.678	0.708		4.43	20
Bromochloromethane	0.471	0.484		2.76	20
Chloroform	1.069	1.129		5.61	20
1,1,1-Trichloroethane	0.949	1.003		5.69	20
Methylcyclohexane	0.651	0.658		1.08	20
Benzene	1.431	1.500		4.82	20
1,2-Dichloroethane	0.391	0.402		2.81	20
Trichloroethene	0.350	0.367		4.86	20
1,2-Dichloropropane	0.338	0.353		4.44	20
Bromodichloromethane	0.482	0.512		6.22	20
4-Methyl-2-Pentanone	0.233	0.240		3	20
Toluene	0.899	0.944		5.01	20
t-1,3-Dichloropropene	0.452	0.472		4.43	20
cis-1,3-Dichloropropene	0.526	0.554		5.32	20
1,1,2-Trichloroethane	0.243	0.250		2.88	20
2-Hexanone	0.156	0.159		1.92	20
Dibromochloromethane	0.308	0.322		4.55	20
1,2-Dibromoethane	0.221	0.225		1.81	20
Tetrachloroethene	0.430	0.480		11.63	20
Chlorobenzene	1.106	1.148	0.3	3.8	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.: Q2177 SAS No.: Q2177 SDG No.: Q2177

Instrument ID: MSVOA_Y Calibration Date/Time: 06/05/2025 08:40

Lab File ID: VY022560.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	2.148		4.68	20
m/p-Xylenes	0.778	0.814		4.63	20
o-Xylene	0.729	0.760		4.25	20
Styrene	1.206	1.279		6.05	20
Bromoform	0.198	0.198	0.1	0	20
Isopropylbenzene	4.105	4.258		3.73	20
1,1,2,2-Tetrachloroethane	0.674	0.657	0.3	-2.52	20
1,3-Dichlorobenzene	1.755	1.819		3.65	20
1,4-Dichlorobenzene	1.702	1.768		3.88	20
1,2-Dichlorobenzene	1.490	1.543		3.56	20
1,2-Dibromo-3-Chloropropane	0.098	0.104		6.12	20
1,2,4-Trichlorobenzene	0.813	0.903		11.07	20
1,2,3-Trichlorobenzene	0.697	0.752		7.89	20
1,2-Dichloroethane-d4	0.559	0.564		0.89	20
Dibromofluoromethane	0.298	0.302		1.34	20
Toluene-d8	1.206	1.228		1.82	20
4-Bromofluorobenzene	0.359	0.364		1.39	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\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Time: Jun 04 04:18:01 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	249503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134811	48.310	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.620%			
35) Dibromofluoromethane	7.634	113	137946	51.730	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.460%			
50) Toluene-d8	10.103	98	524997	48.723	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.440%			
62) 4-Bromofluorobenzene	12.402	95	98946	30.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 61.640%			

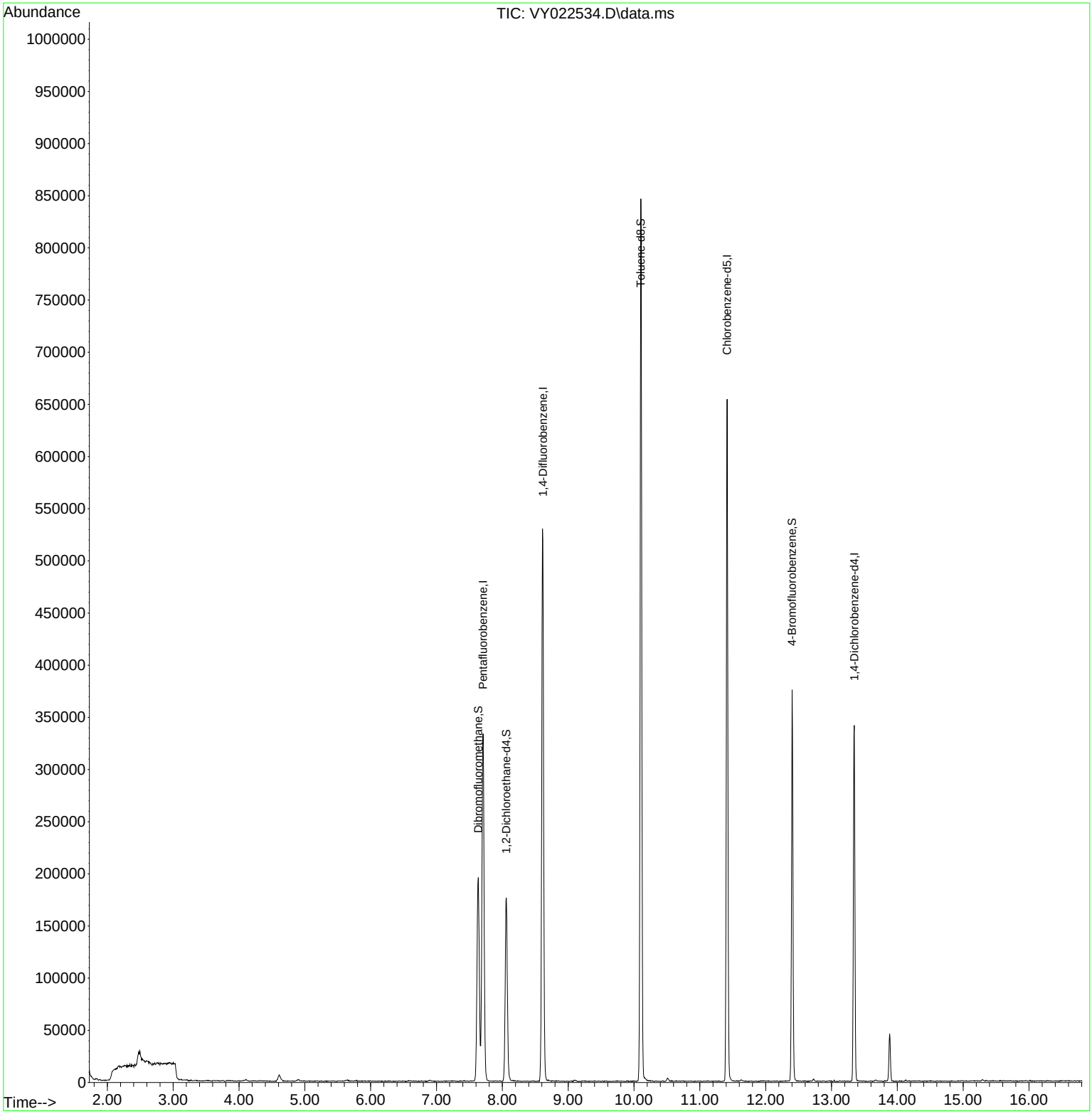
Target Compounds Qvalue

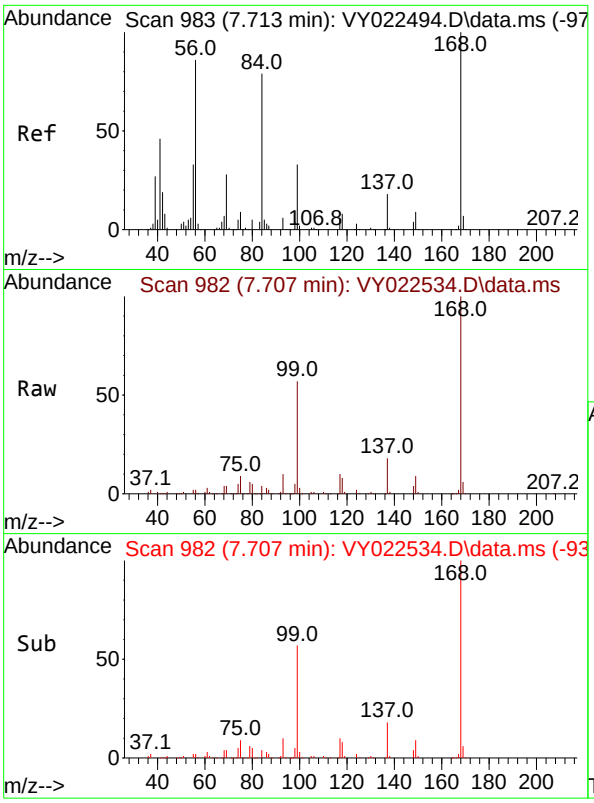
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Quant Time: Jun 04 04:18:01 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



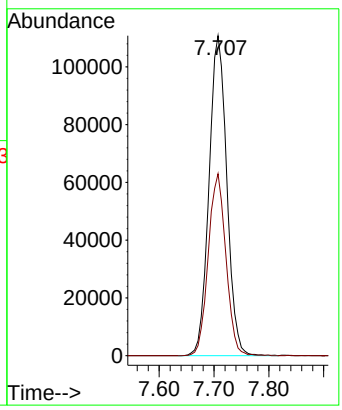


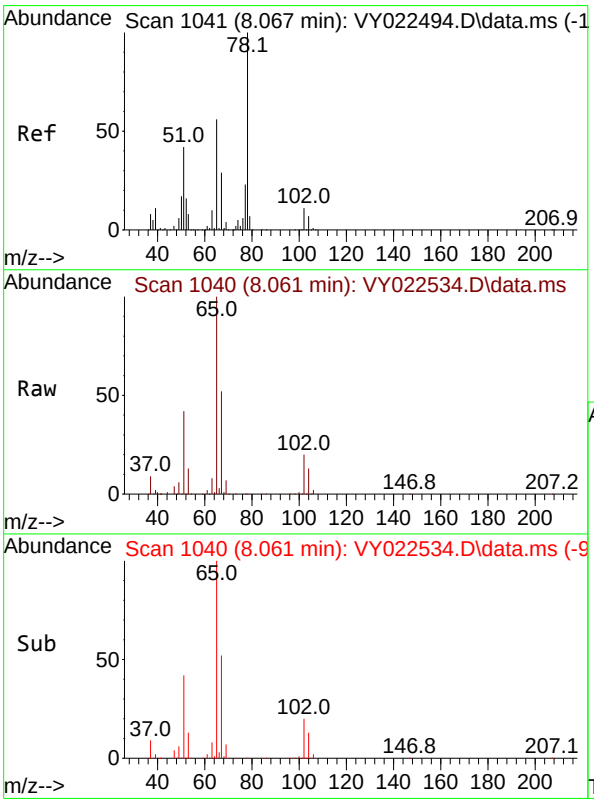
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion:168 Resp: 249503

Ion	Ratio	Lower	Upper
168	100		
99	56.9	44.3	66.5

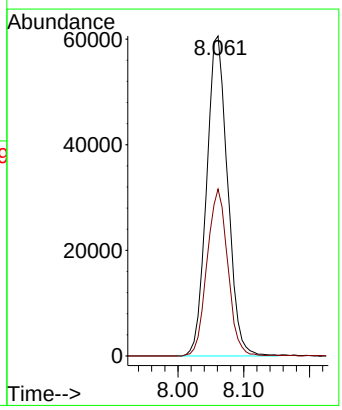


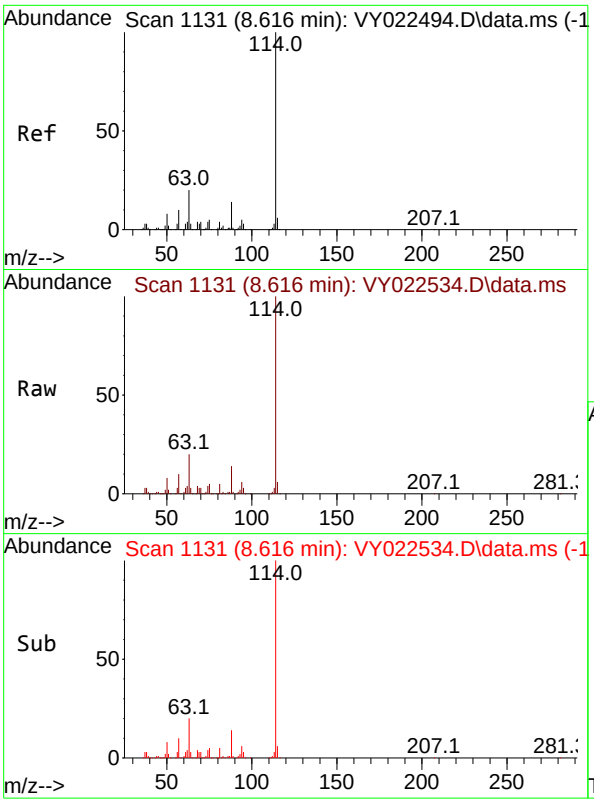


#33
1,2-Dichloroethane-d4
Concen: 48.310 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 65 Resp: 134811

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.4



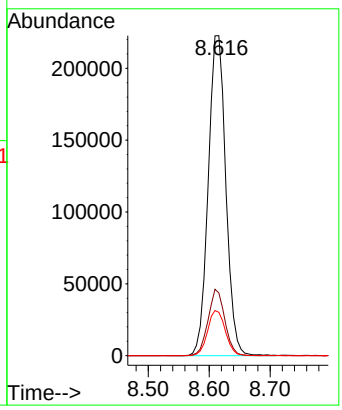


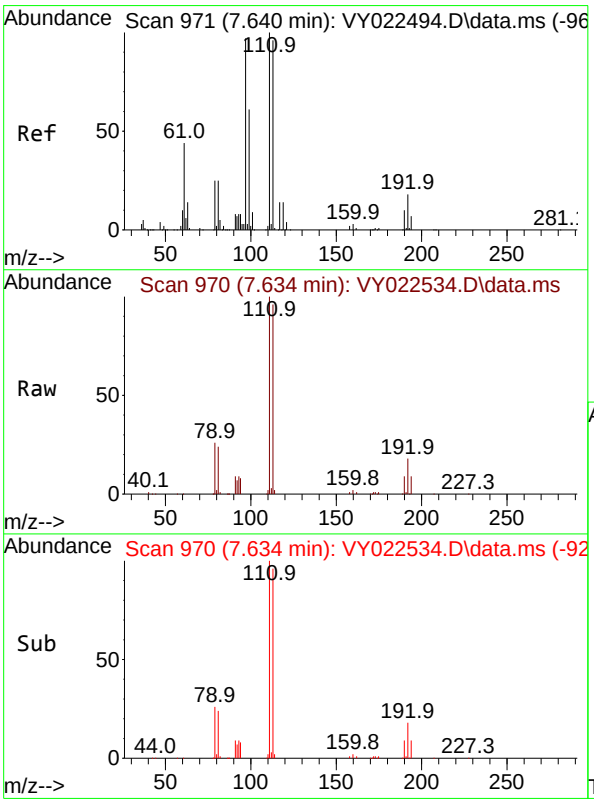
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion:114 Resp: 446768

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	13.6	0.0	27.8

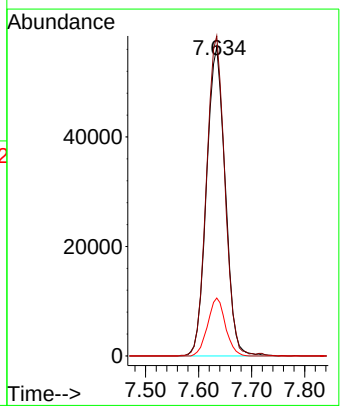


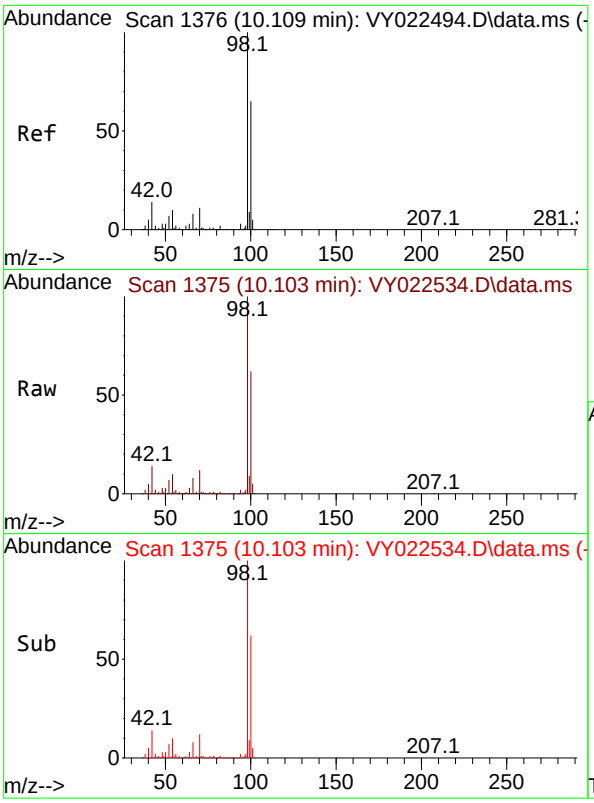


#35
Dibromofluoromethane
Concen: 51.730 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion:113 Resp: 137946

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	17.9	14.2	21.2



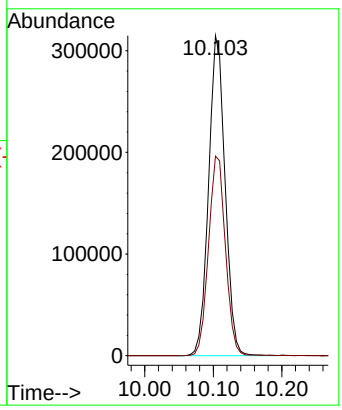


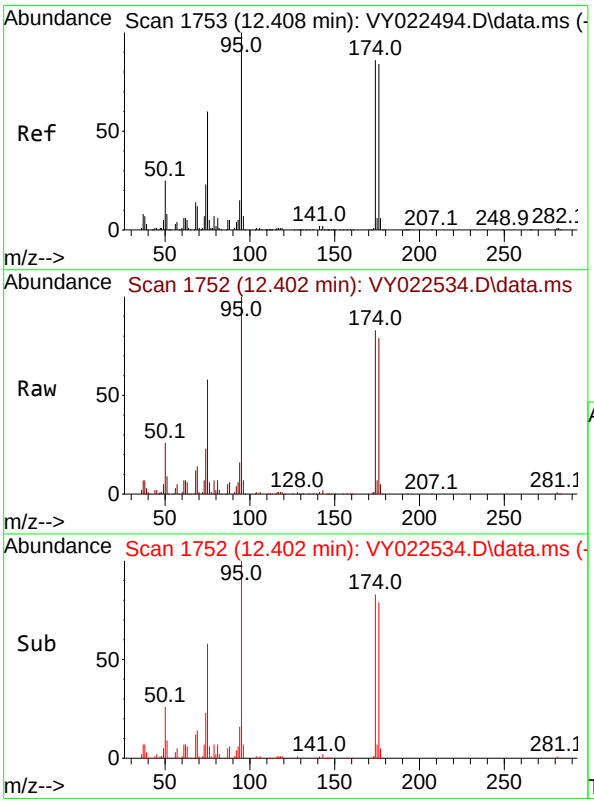
#50
Toluene-d8
Concen: 48.723 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion: 98 Resp: 524997

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.0

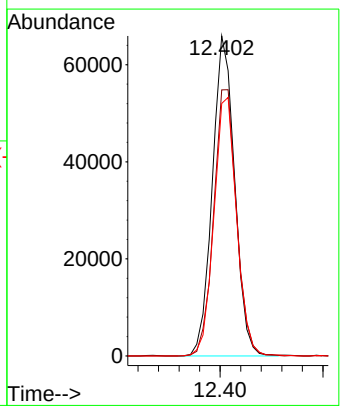


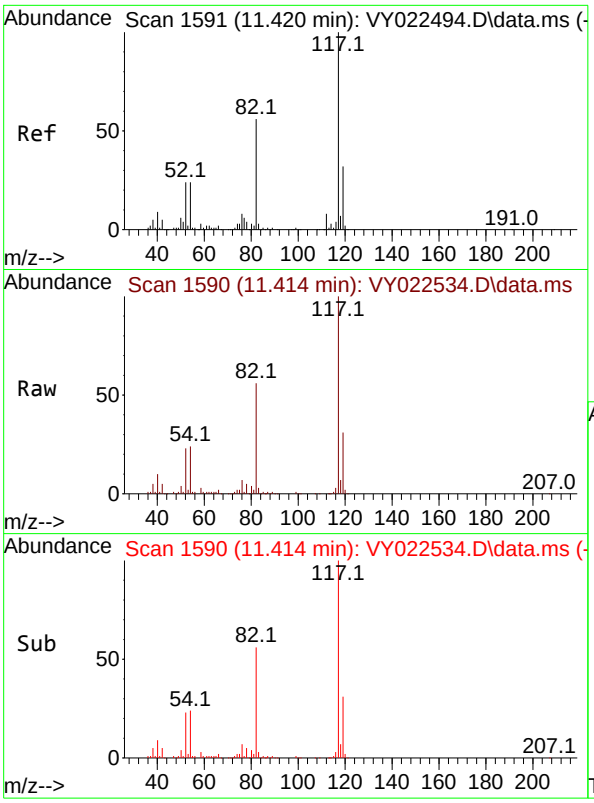


#62
4-Bromofluorobenzene
Concen: 30.820 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 95 Resp: 98946

Ion	Ratio	Lower	Upper
95	100		
174	85.6	0.0	170.0
176	82.5	0.0	166.2



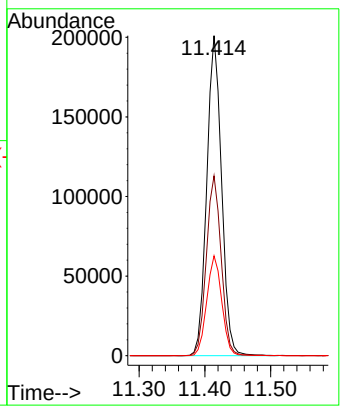


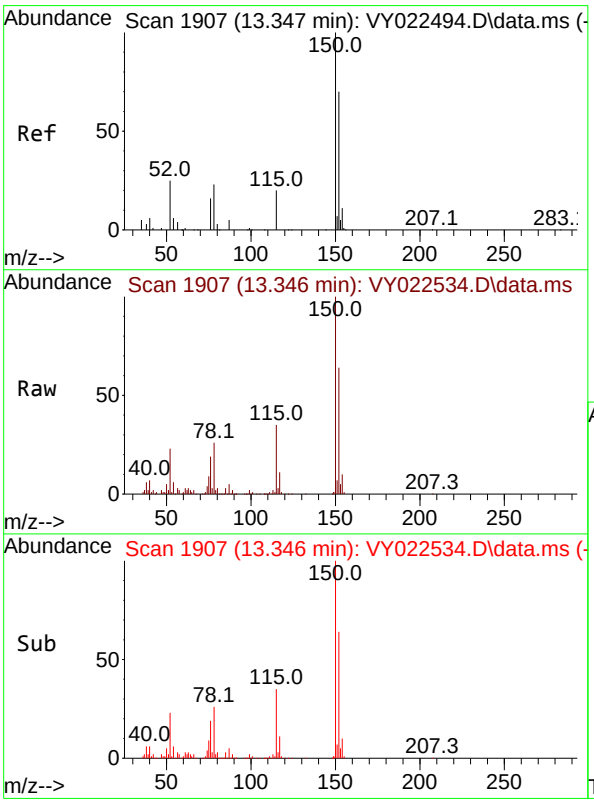
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion:117 Resp: 313918

Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.6	66.8
119	31.2	25.4	38.0

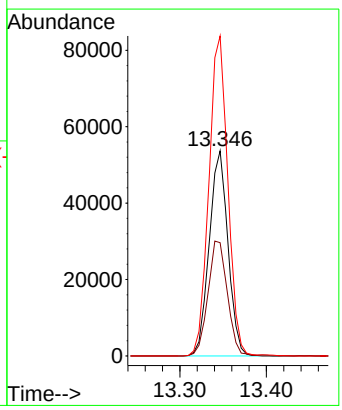




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion:152 Resp: 80935

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.7
150	157.2	0.0	349.6



Sample Results: **VY022534.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

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: VY022534.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.123	51	66	67	rBV4	10980	43389	3.03%	0.676%
2	2.477	119	124	125	rBV3	11864	18153	1.27%	0.283%
3	4.610	466	474	484	rBV5	6431	19534	1.36%	0.304%
4	7.634	959	970	976	rBV	195026	479471	33.46%	7.471%
5	7.707	976	982	993	rVB	332337	753188	52.57%	11.737%
6	8.061	1031	1040	1052	rBV	175823	397045	27.71%	6.187%
7	8.610	1122	1130	1141	rBV	529629	1058403	73.87%	16.493%
8	10.103	1368	1375	1390	rBV	845479	1432795	100.00%	22.327%
9	11.414	1583	1590	1605	rVB	653434	1031616	72.00%	16.075%
10	12.402	1745	1752	1764	rVB	375110	573480	40.03%	8.936%
11	13.346	1900	1907	1914	rBV	341030	537377	37.51%	8.374%
12	13.883	1988	1995	2001	rVB2	45332	73002	5.10%	1.138%

Sum of corrected areas: 6417453

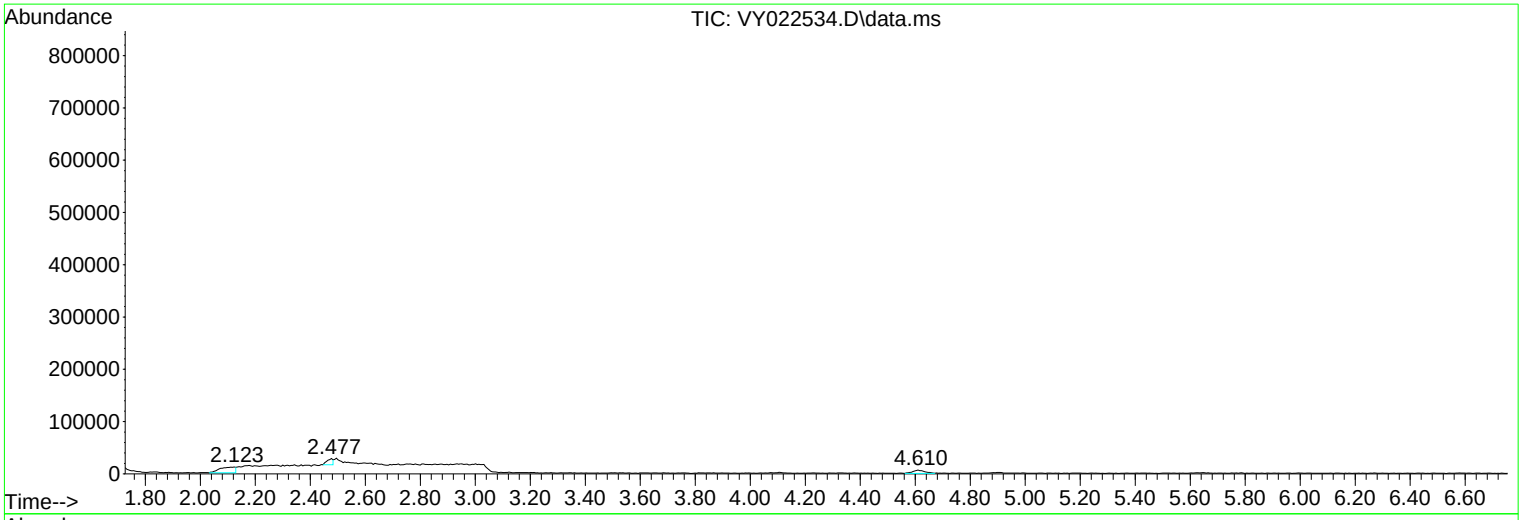
Sample Results: **VY022534.D**

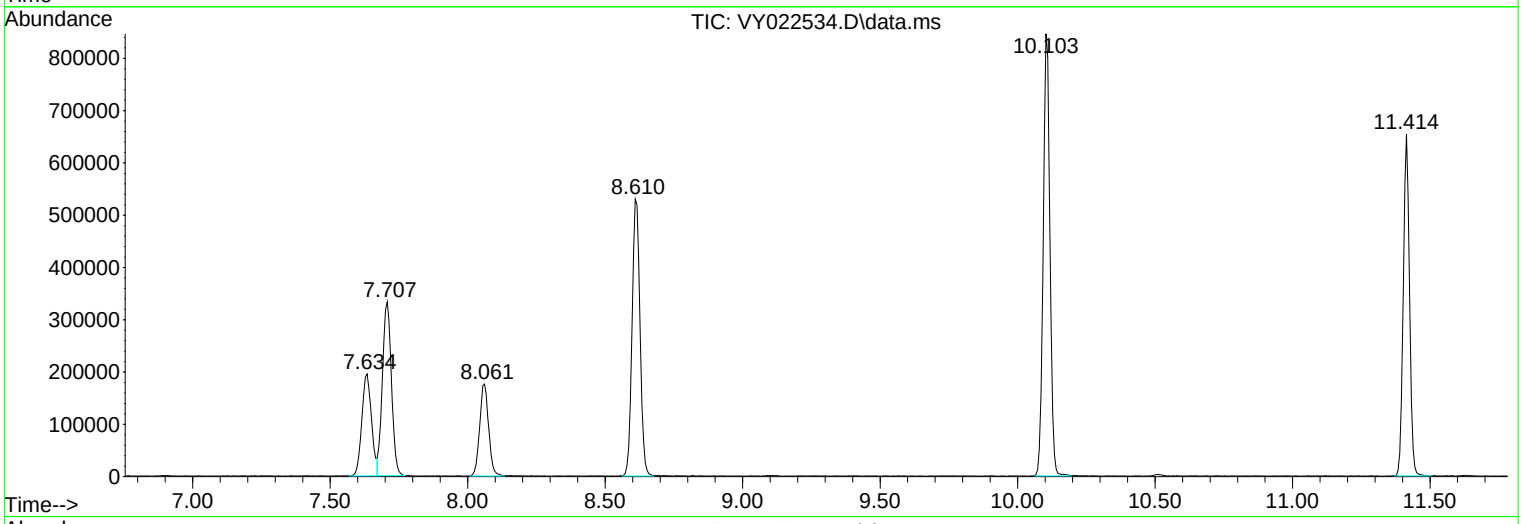
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

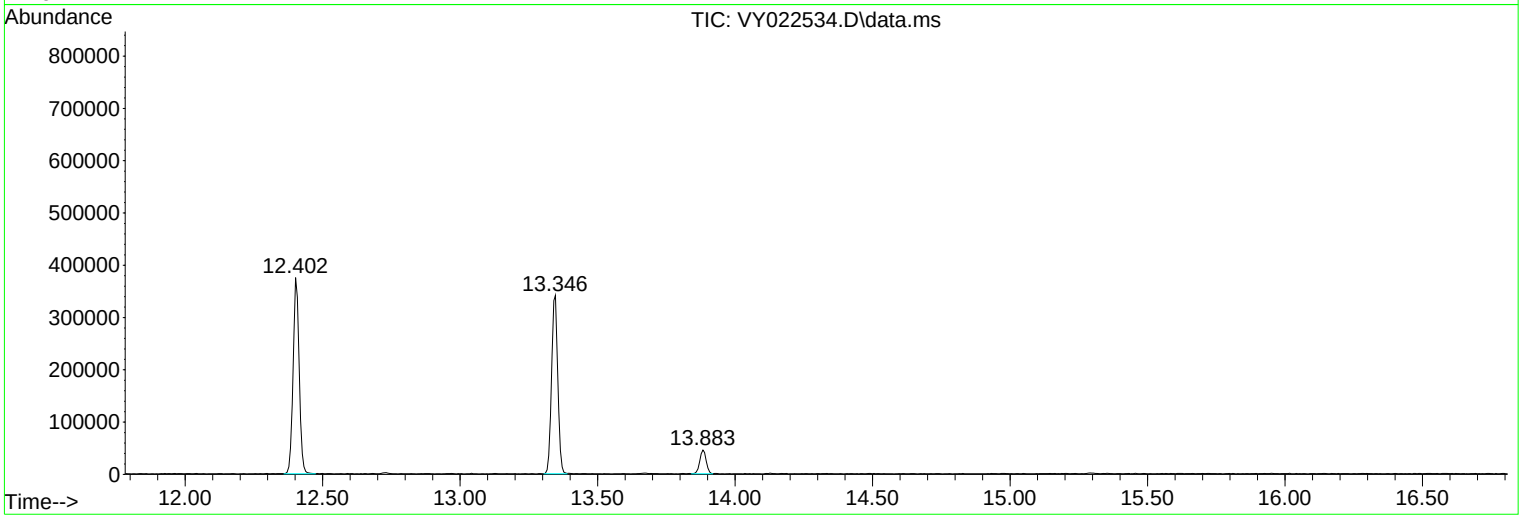
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

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\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

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\VY060325\
Data File : VY022534.D
Acq On : 03 Jun 2025 19:42
Operator : SY/MD
Sample : Q2177-01
Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

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_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Time: Jun 05 04:18:18 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	261314	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	474753	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	386745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	152512	52.183	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.360%			
35) Dibromofluoromethane	7.634	113	144981	51.163	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.320%			
50) Toluene-d8	10.103	98	570663	49.840	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.680%			
62) 4-Bromofluorobenzene	12.401	95	146159	42.843	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.680%			

Target Compounds Qvalue

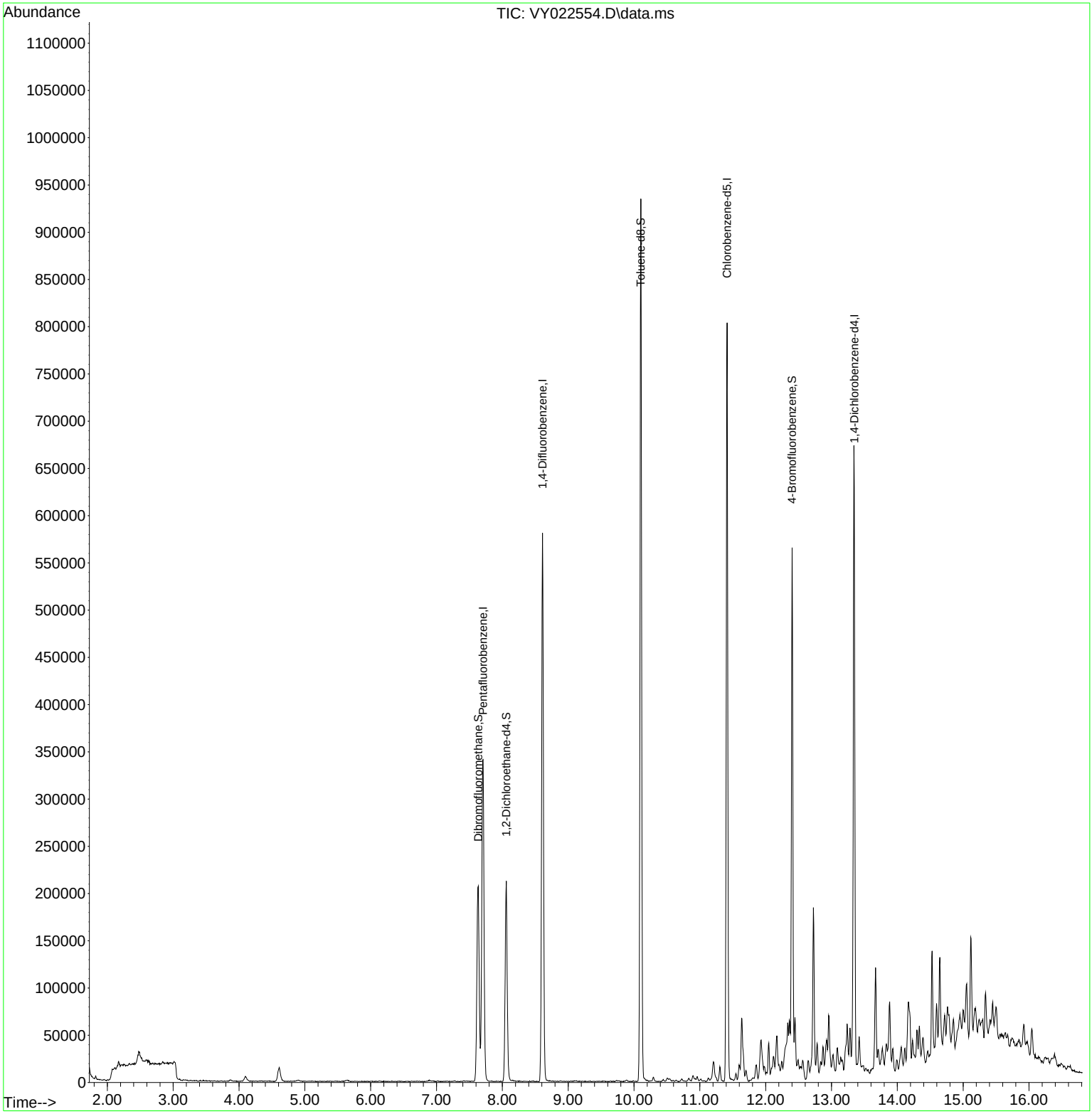
(#) = qualifier out of range (m) = manual integration (+) = signals summed

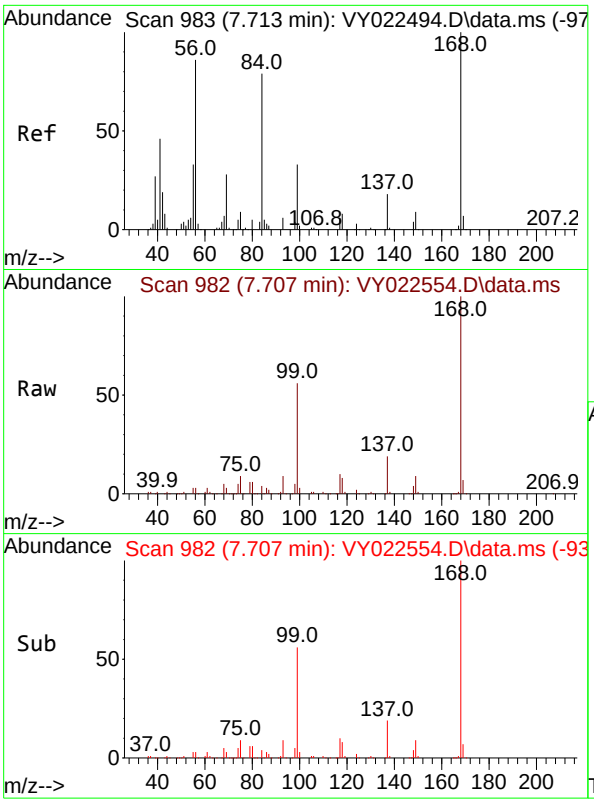
Sample Results: **VY022554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Quant Time: Jun 05 04:18:18 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



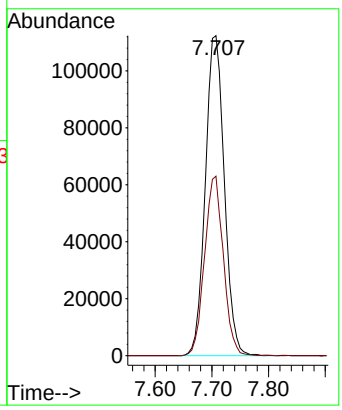


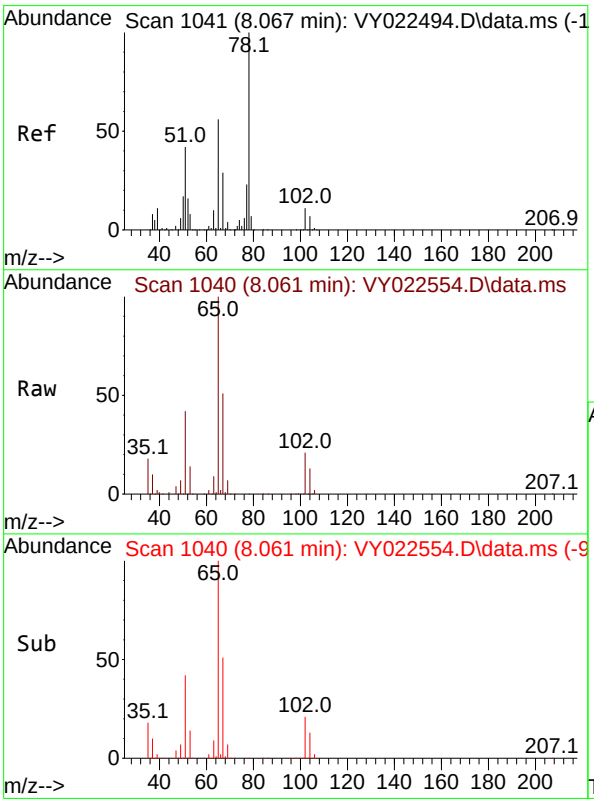
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion:168 Resp: 261314

Ion	Ratio	Lower	Upper
168	100		
99	56.1	44.3	66.5

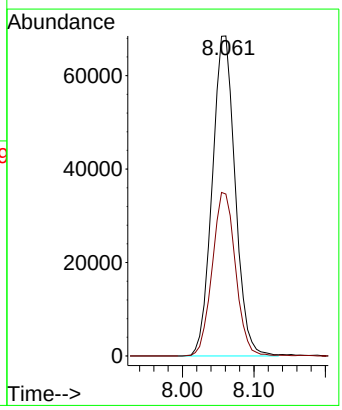


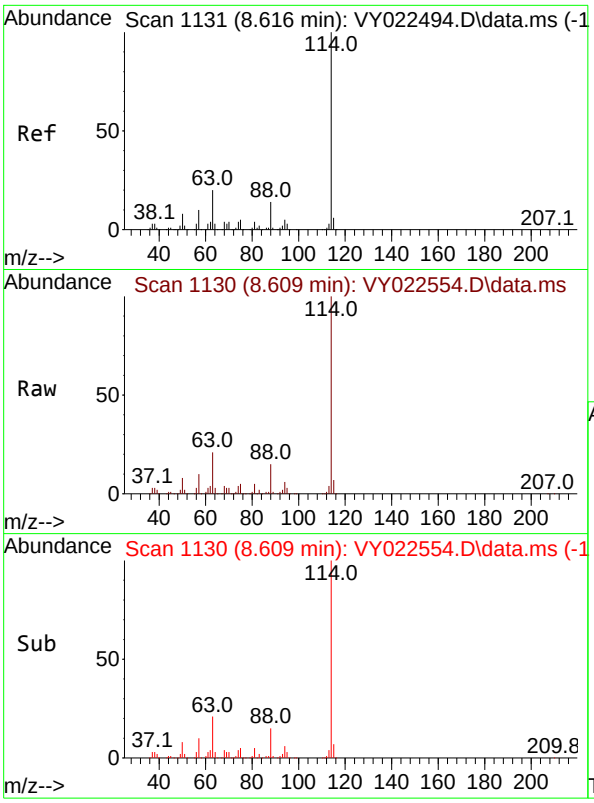


#33
1,2-Dichloroethane-d4
Concen: 52.183 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 65 Resp: 152512

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



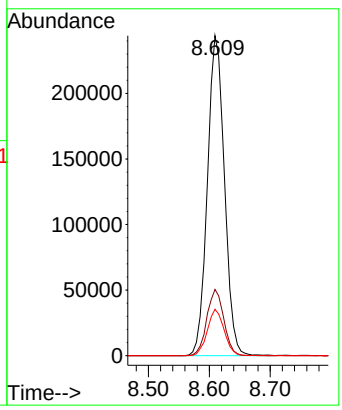


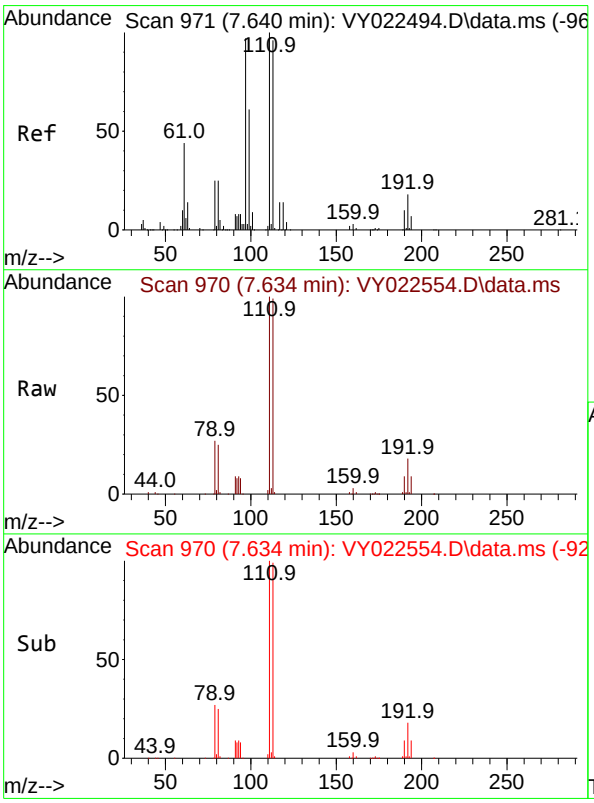
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion:114 Resp: 474753

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	14.5	0.0	27.8

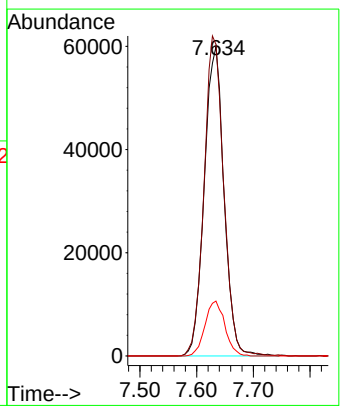


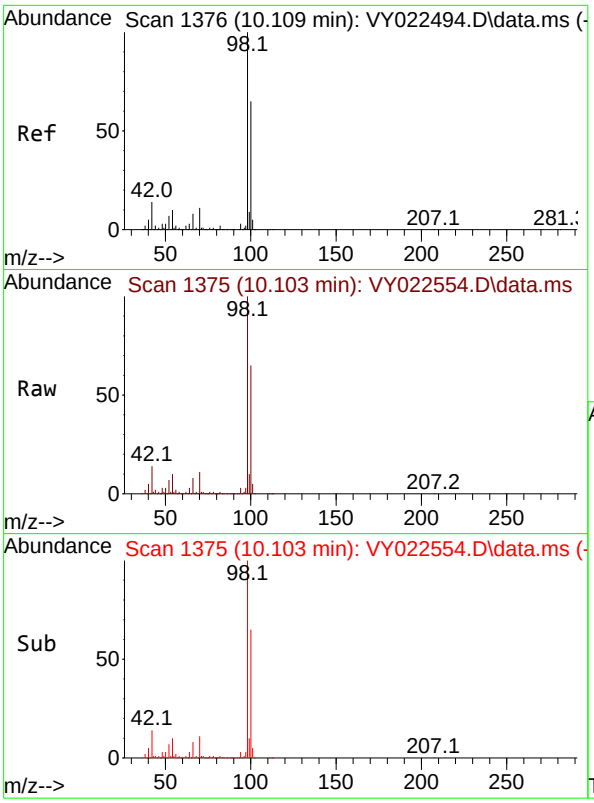


#35
Dibromofluoromethane
Concen: 51.163 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion:113 Resp: 144981

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	17.9	14.2	21.2



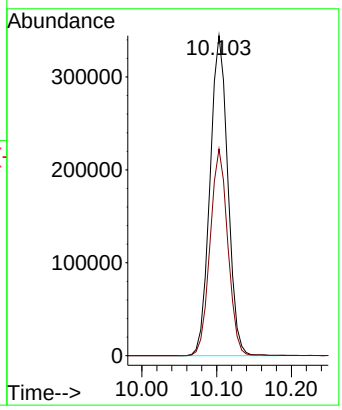


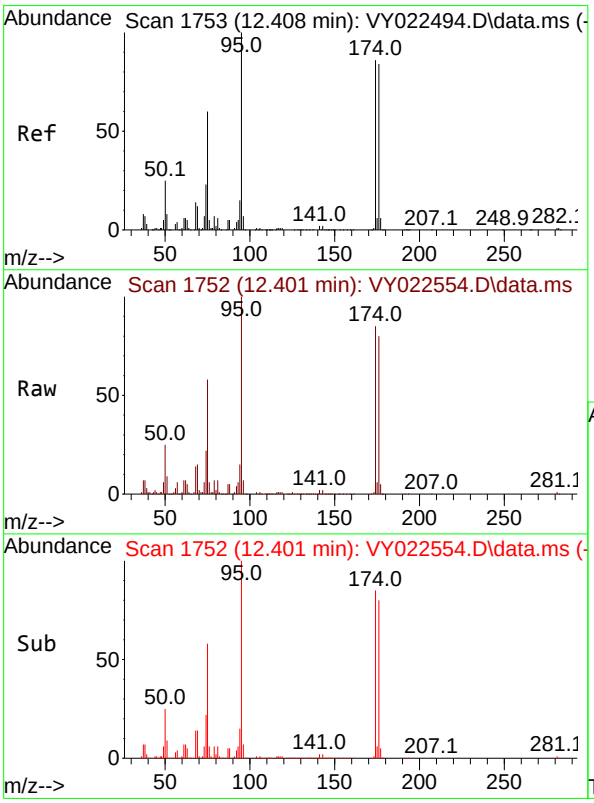
#50
Toluene-d8
Concen: 49.840 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion: 98 Resp: 570663

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.4	77.0

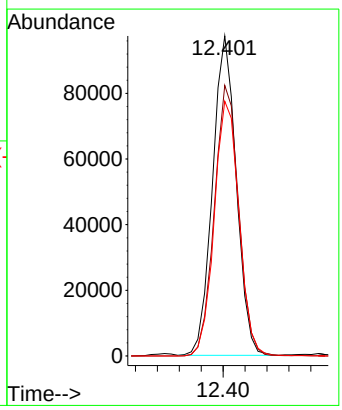


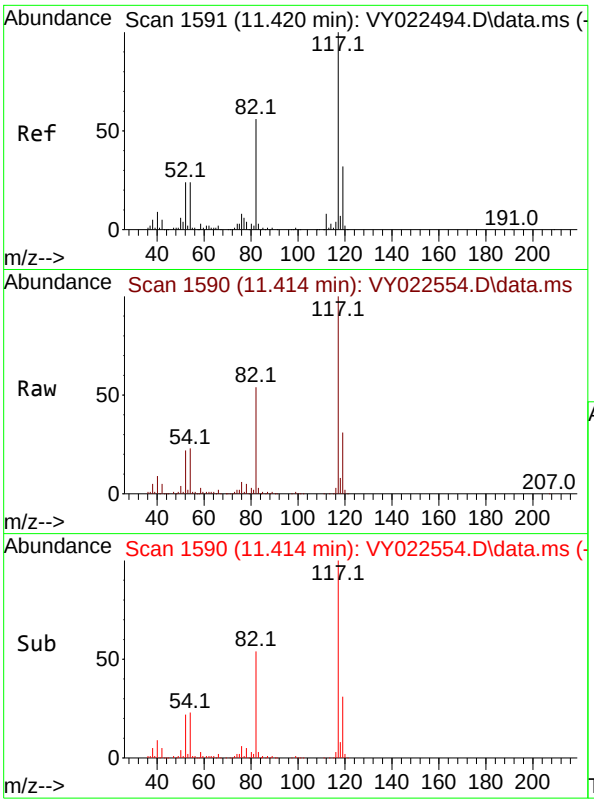


#62
4-Bromofluorobenzene
Concen: 42.843 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion: 95 Resp: 146159

Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	170.0
176	83.4	0.0	166.2



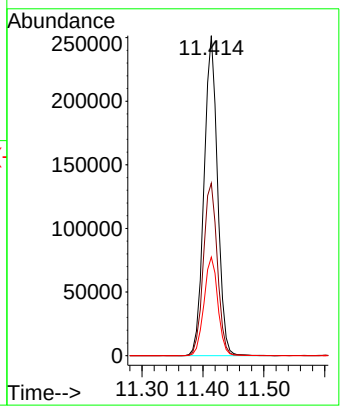


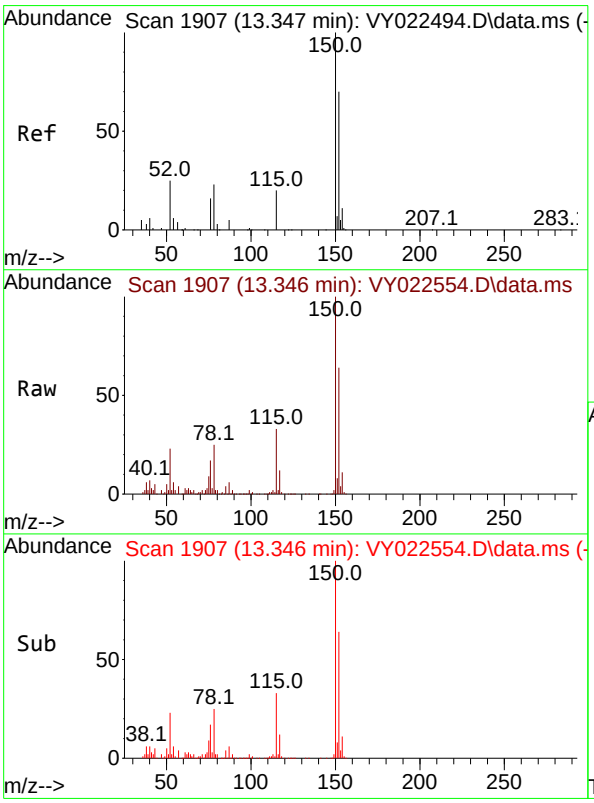
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

Tgt Ion:117 Resp: 386745

Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	66.8
119	30.8	25.4	38.0

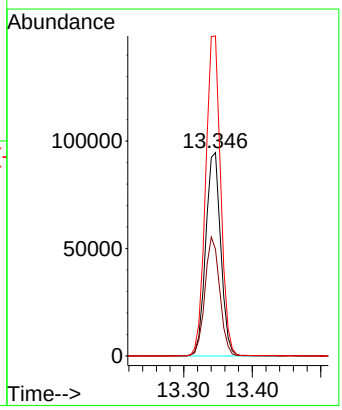




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022554.D
Acq: 04 Jun 2025 16:34

Tgt Ion:152 Resp: 144573

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	157.4	0.0	349.6



Sample Results: **VY022554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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

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

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

Signal : TIC: VY022554.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV5	11140	24531	1.57%	0.211%
2	4.610	464	474	488	rVB3	14744	44240	2.84%	0.380%
3	7.634	959	970	975	rBV	206595	498552	31.98%	4.285%
4	7.707	975	982	997	rVB	340662	801743	51.43%	6.891%
5	8.061	1031	1040	1052	rBV	212029	455536	29.22%	3.915%
6	8.609	1121	1130	1140	rBV	580880	1130879	72.55%	9.720%
7	10.103	1364	1375	1383	rBV	934383	1558851	100.00%	13.398%
8	11.206	1546	1556	1567	rVB4	20396	52024	3.34%	0.447%
9	11.304	1567	1572	1577	rBV2	15091	23227	1.49%	0.200%
10	11.414	1582	1590	1599	rBV	802989	1273247	81.68%	10.943%
11	11.597	1615	1620	1623	rVV2	16736	30137	1.93%	0.259%
12	11.633	1623	1626	1634	rVV2	66387	137883	8.85%	1.185%
13	11.700	1634	1637	1643	rVB3	11495	19584	1.26%	0.168%
14	11.859	1658	1663	1667	rVB2	14577	24107	1.55%	0.207%
15	11.932	1667	1675	1681	rBV4	40994	106263	6.82%	0.913%
16	12.048	1690	1694	1697	rVV	34356	47408	3.04%	0.407%
17	12.121	1697	1706	1709	rVV6	19439	44909	2.88%	0.386%
18	12.170	1709	1714	1718	rVV3	40281	77228	4.95%	0.664%
19	12.243	1722	1726	1729	rVV4	11936	18431	1.18%	0.158%
20	12.334	1729	1741	1743	rVV4	51577	144724	9.28%	1.244%
21	12.359	1743	1745	1748	rVV	53733	83205	5.34%	0.715%
22	12.401	1748	1752	1757	rVV	552978	849260	54.48%	7.299%
23	12.444	1757	1759	1763	rVV3	54923	69546	4.46%	0.598%
24	12.560	1776	1778	1785	rVB4	20163	35171	2.26%	0.302%
25	12.645	1785	1792	1796	rBV4	19797	39997	2.57%	0.344%
26	12.724	1796	1805	1811	rVV2	177738	298837	19.17%	2.568%
27	12.779	1811	1814	1819	rVB2	31705	47907	3.07%	0.412%
28	12.834	1819	1823	1825	rBV4	11662	16660	1.07%	0.143%
29	12.871	1825	1829	1832	rVV3	25597	40010	2.57%	0.344%
30	12.926	1832	1838	1840	rVV5	31415	62610	4.02%	0.538%
31	12.956	1840	1843	1850	rVV2	55717	94055	6.03%	0.808%
32	13.023	1850	1854	1860	rVB4	17368	29632	1.90%	0.255%
33	13.090	1860	1865	1870	rBV2	24635	46354	2.97%	0.398%
34	13.237	1880	1889	1893	rBV3	48915	113643	7.29%	0.977%
35	13.279	1893	1896	1899	rVV2	43580	65175	4.18%	0.560%
36	13.340	1899	1906	1913	rVV	659055	1039417	66.68%	8.934%

Sample Results: **VY022554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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

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

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

37	13.419	1915	1919	1926	rVB4	32135	46963	3.01%	0.404%
38	13.669	1954	1960	1964	rVV3	109043	172783	11.08%	1.485%
39	13.712	1964	1967	1971	rVV3	19330	28787	1.85%	0.247%
40	13.773	1971	1977	1982	rVB5	18984	33753	2.17%	0.290%
41	13.834	1982	1987	1989	rBV3	21933	38865	2.49%	0.334%
42	13.883	1990	1995	2000	rVB2	62906	102498	6.58%	0.881%
43	13.932	2000	2003	2009	rVB3	23841	34981	2.24%	0.301%
44	13.993	2009	2013	2017	rBV3	11949	20100	1.29%	0.173%
45	14.060	2017	2024	2029	rBV7	23448	51061	3.28%	0.439%
46	14.114	2029	2033	2036	rBV5	18100	26573	1.70%	0.228%
47	14.169	2036	2042	2049	rBV7	62400	168087	10.78%	1.445%
48	14.230	2049	2052	2059	rBV5	19264	28086	1.80%	0.241%
49	14.297	2059	2063	2066	rBV4	29262	39486	2.53%	0.339%
50	14.334	2066	2069	2073	rVB3	31688	41695	2.67%	0.358%
51	14.389	2073	2078	2084	rVB6	26367	54926	3.52%	0.472%
52	14.462	2086	2090	2093	rBV6	11209	19240	1.23%	0.165%
53	14.529	2096	2101	2107	rBV2	110184	167222	10.73%	1.437%
54	14.596	2107	2112	2115	rBV3	46165	68573	4.40%	0.589%
55	14.645	2115	2120	2127	rVB2	92167	147770	9.48%	1.270%
56	14.718	2127	2132	2135	rBV5	30858	55734	3.58%	0.479%
57	14.761	2135	2139	2142	rBV5	30310	48718	3.13%	0.419%
58	14.852	2151	2154	2158	rVB6	30620	45754	2.94%	0.393%
59	14.950	2158	2170	2174	rBV9	35666	122046	7.83%	1.049%
60	14.998	2175	2178	2182	rVV5	33250	65105	4.18%	0.560%
61	15.053	2182	2187	2192	rVV3	58248	113337	7.27%	0.974%
62	15.114	2192	2197	2203	rVV2	105952	175391	11.25%	1.507%
63	15.187	2203	2209	2214	rVB8	25654	64366	4.13%	0.553%
64	15.340	2230	2234	2241	rBV3	47937	86273	5.53%	0.741%
65	15.450	2249	2252	2255	rVB3	24812	28555	1.83%	0.245%
66	15.919	2325	2329	2334	rVB2	21239	34219	2.20%	0.294%
67	16.041	2345	2349	2357	rVB2	30379	59074	3.79%	0.508%

Sum of corrected areas: 11635004

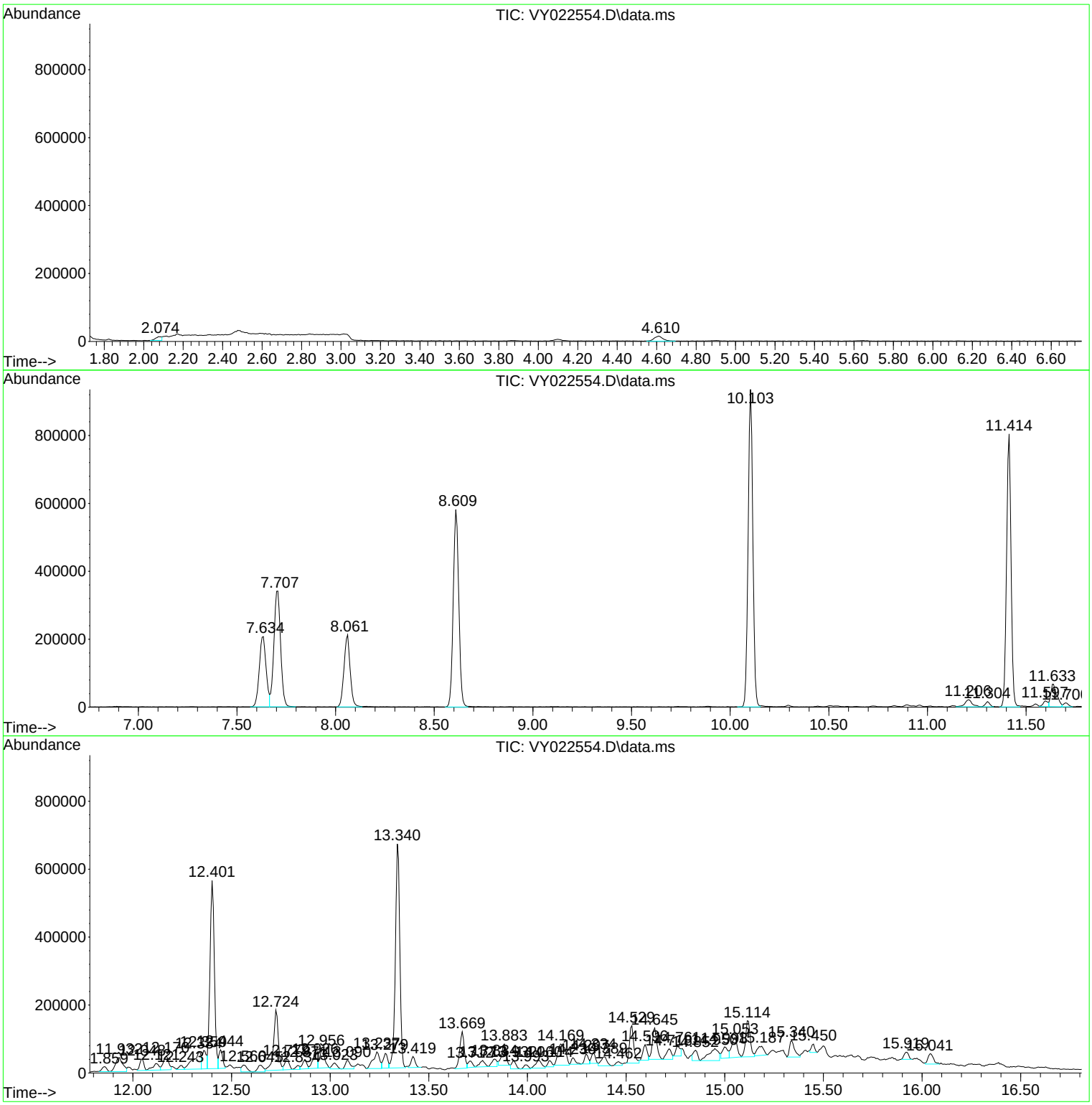
Sample Results: **VY022554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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 : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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

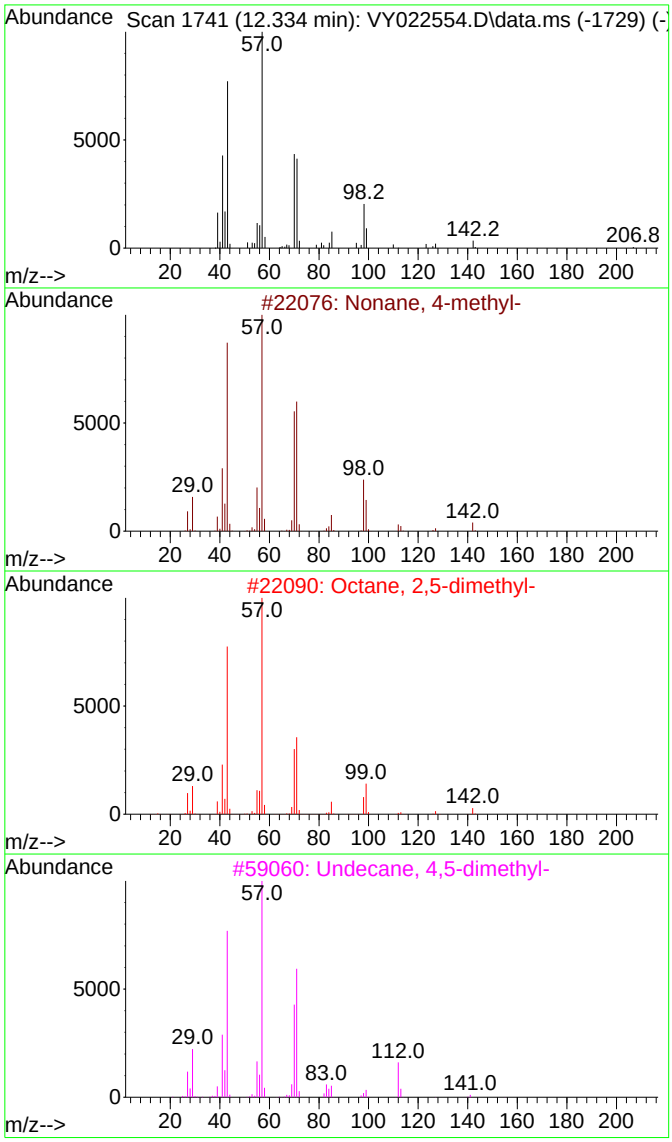
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

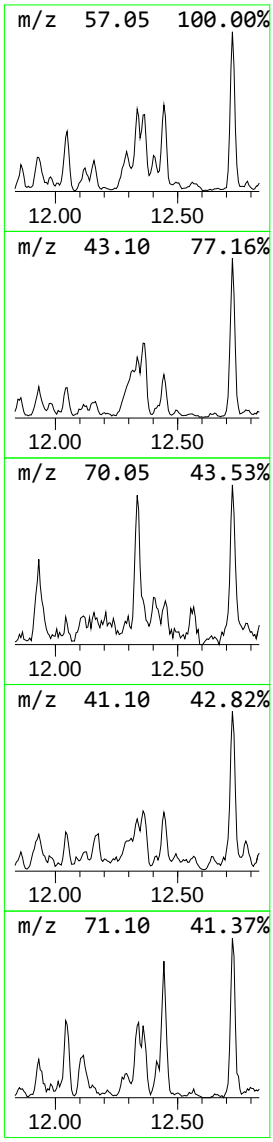
****

Peak Number 1 Nonane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.334	5.68 ug/l	144724	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	91
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	74
3	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	64
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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

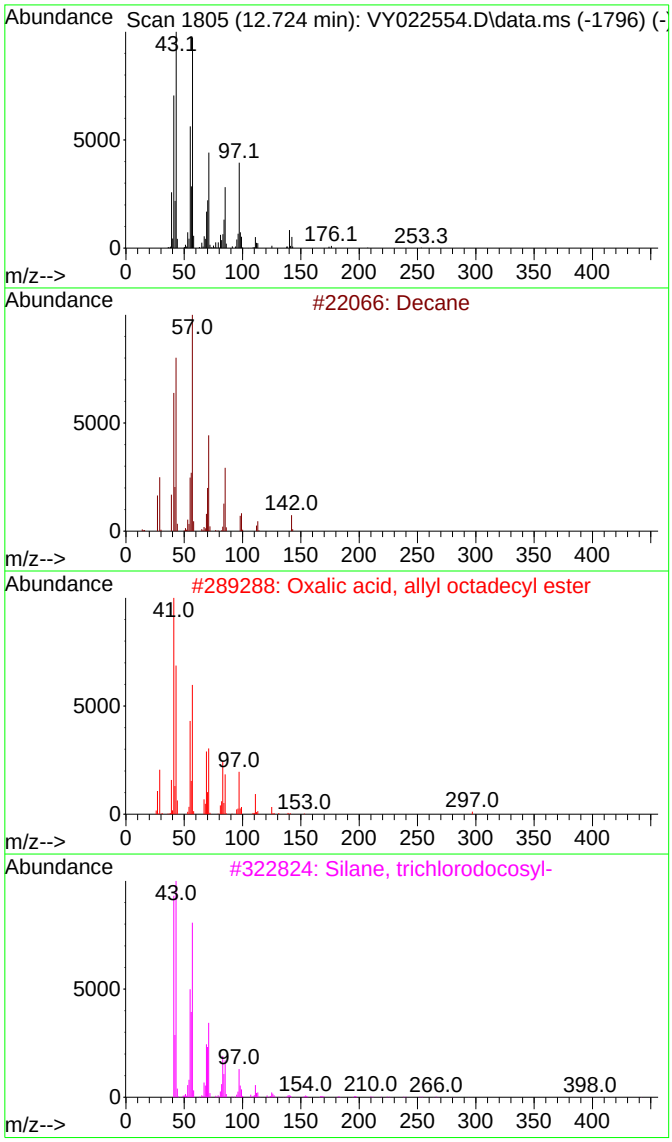
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

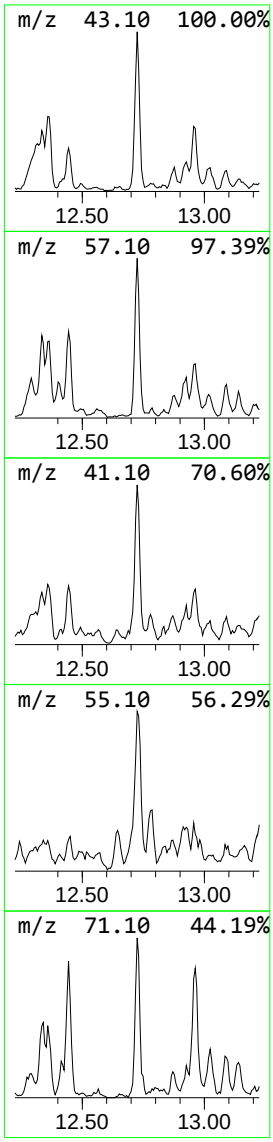
****

Peak Number 2 Decane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.725	14.38 ug/l	298837	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	89
2	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	59
3	Silane, trichlorodocosyl-	442	C22H45Cl3Si	007325-84-0	47
4	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	38
5	Oxalic acid, heptyl isohexyl ester	272	C15H28O4	1000309-33-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

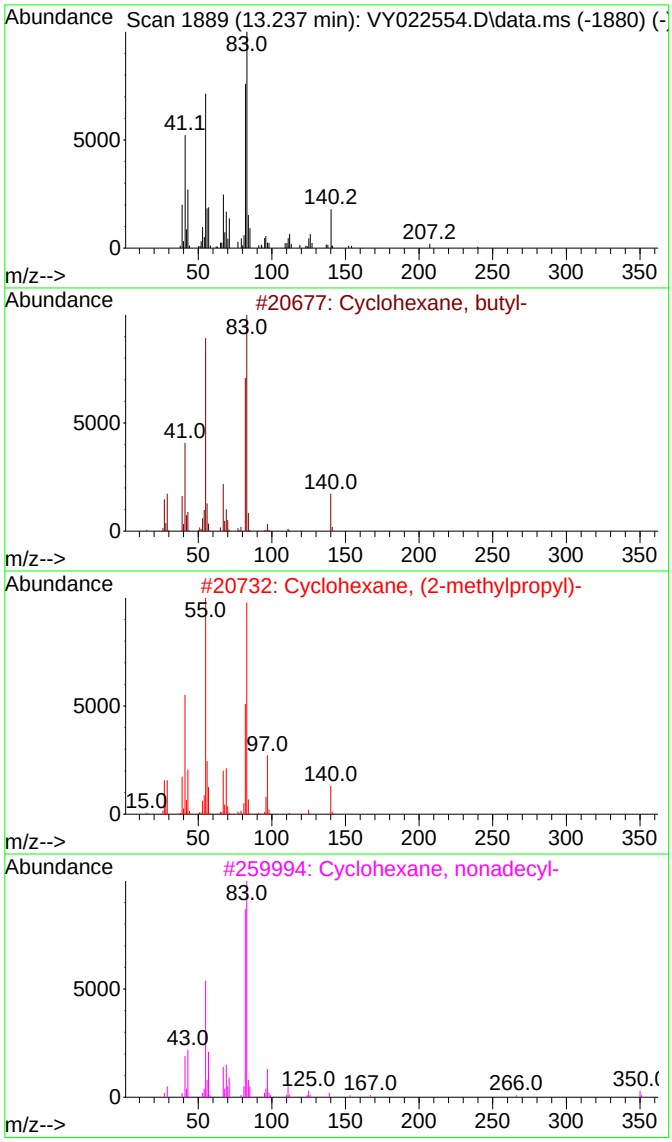
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

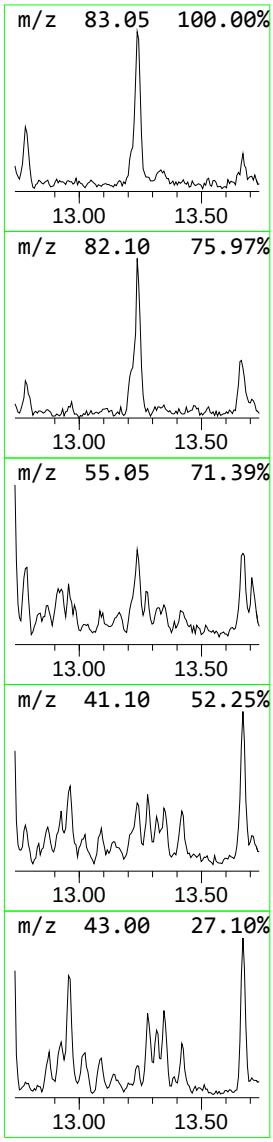
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.237	5.47 ug/l	113643	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	80
3	Cyclohexane, nonadecyl-	350	C25H50	022349-03-7	80
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	80
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72





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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On    : 04 Jun 2025  16:34
Operator  : SY/MD
Sample    : Q2177-02
Misc      : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial  : 18   Sample Multiplier: 1

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
```

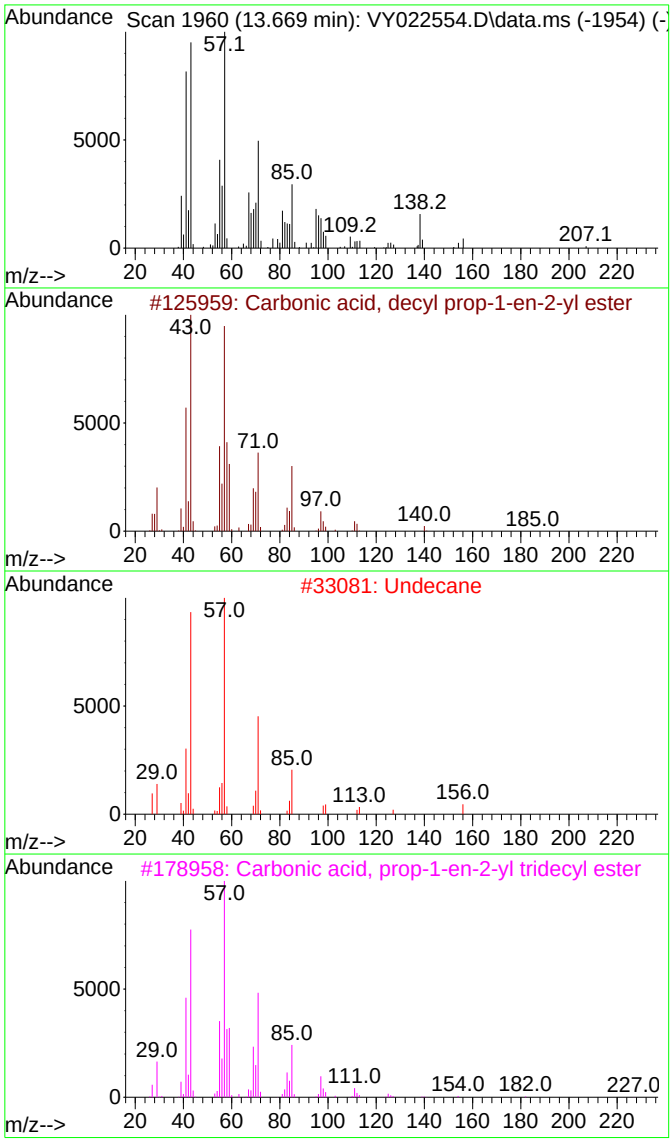
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

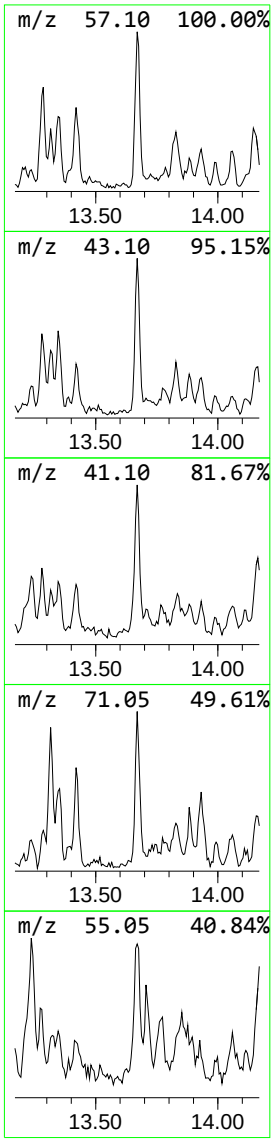
****

Peak Number 4 Carbonic acid, decyl prop-1... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.669	8.31 ug/l	172783	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, decyl prop-1-en-2...	242	C14H26O3	1000382-90-5	58
2	Undecane	156	C11H24	001120-21-4	55
3	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	52
4	Carbonic acid, nonyl prop-1-en-2...	228	C13H24O3	1000382-53-9	52
5	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	52





Sample Results: **VY022554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

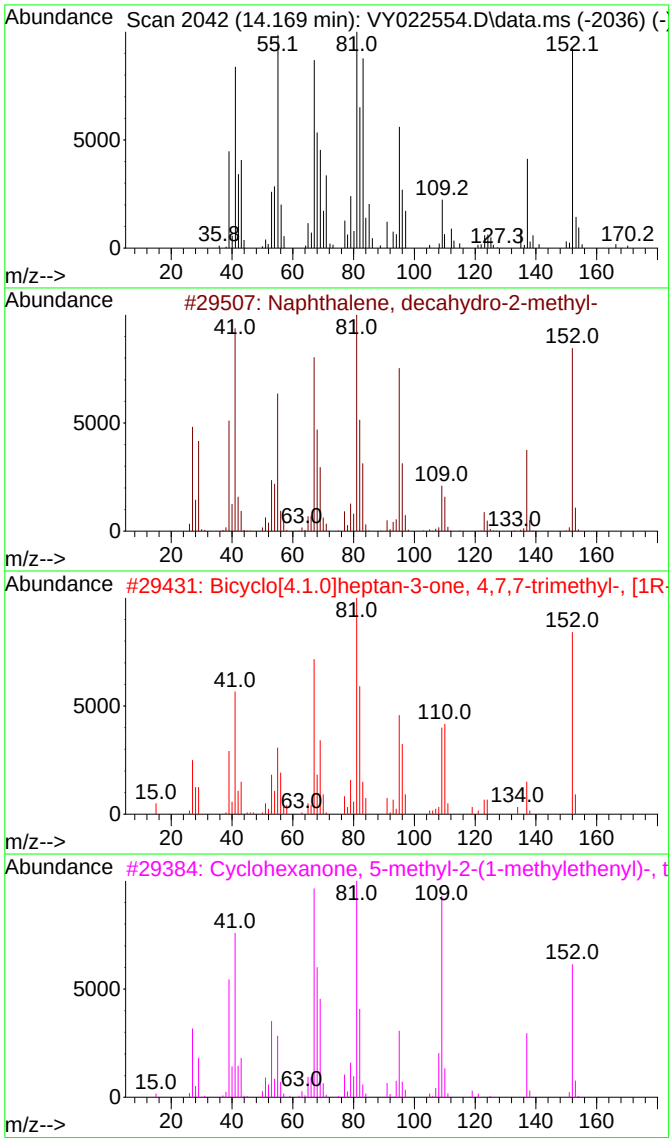
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

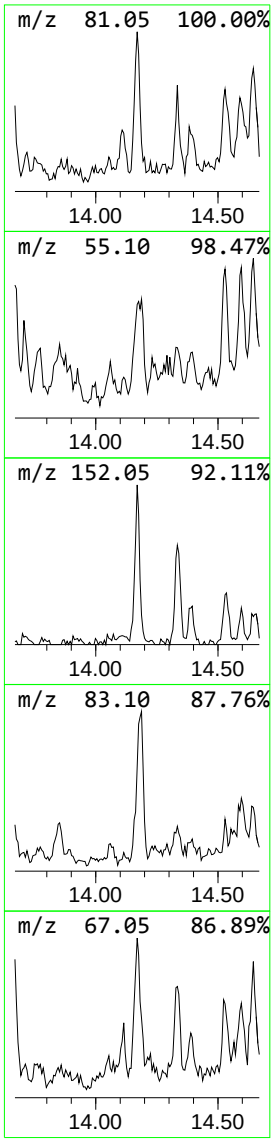
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	8.09 ug/l	168087	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	83
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	029606-79-9	60
4	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	58
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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

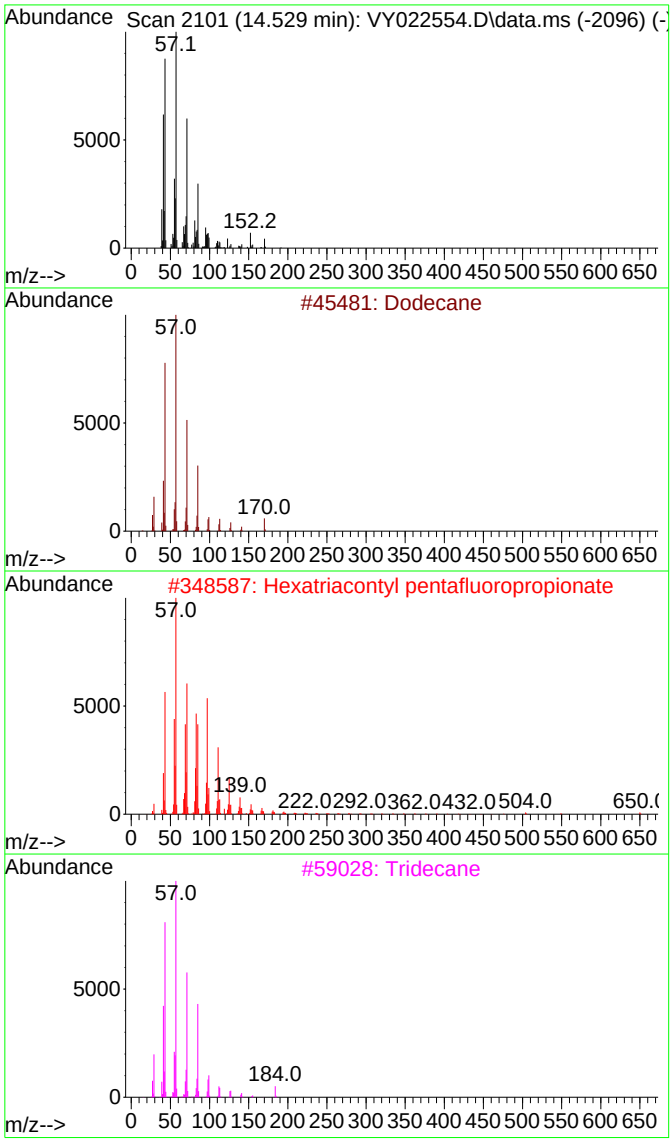
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

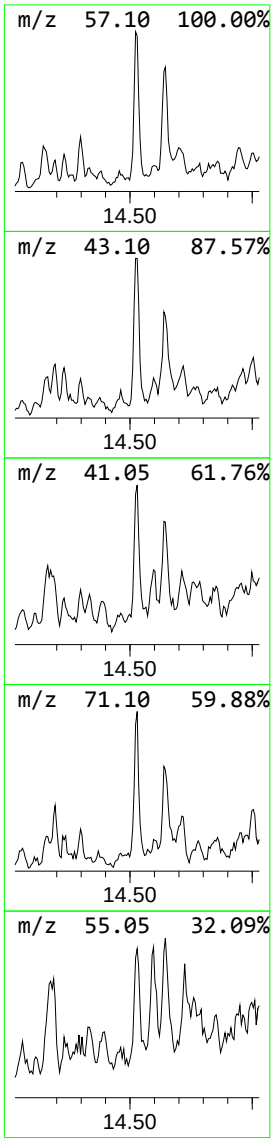
****

Peak Number 6 Dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	8.04 ug/l	167222	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	76
2	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	64
3	Tridecane	184	C13H28	000629-50-5	59
4	Hexadecane	226	C16H34	000544-76-3	58
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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

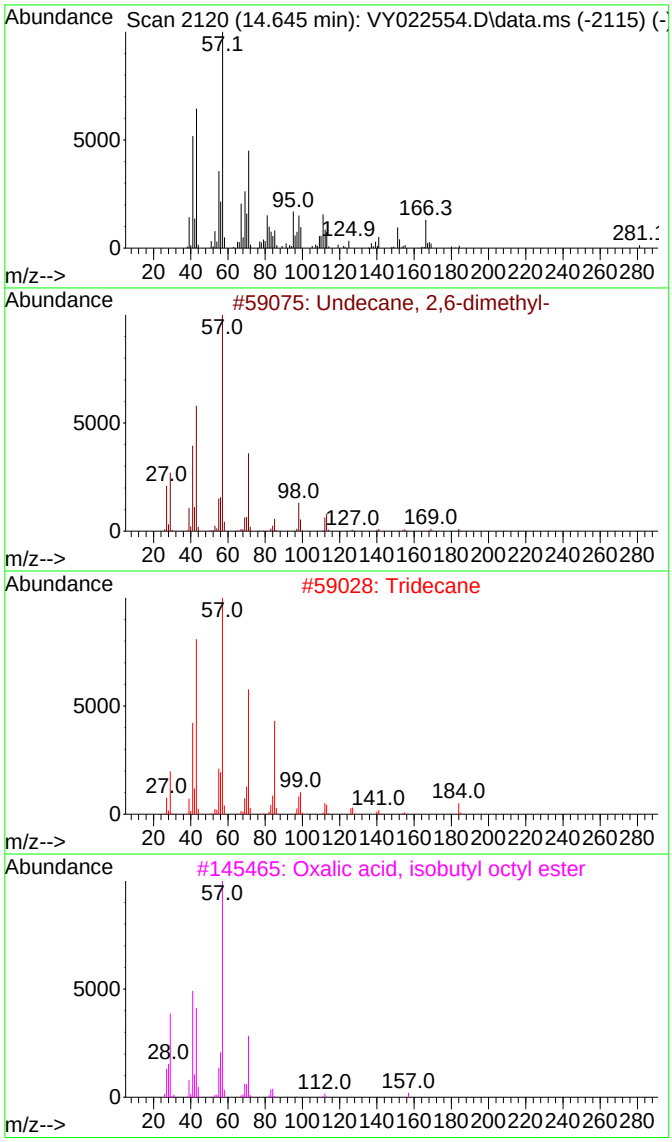
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

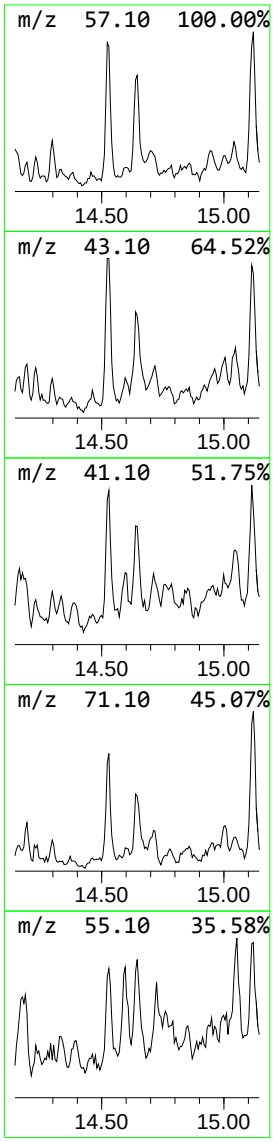
****

Peak Number 7 Undecane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	7.11 ug/l	147770	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	60
2	Tridecane	184	C13H28	000629-50-5	47
3	Oxalic acid, isobutyl octyl ester	258	C14H26O4	1000309-37-3	38
4	Heptadecane	240	C17H36	000629-78-7	38
5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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

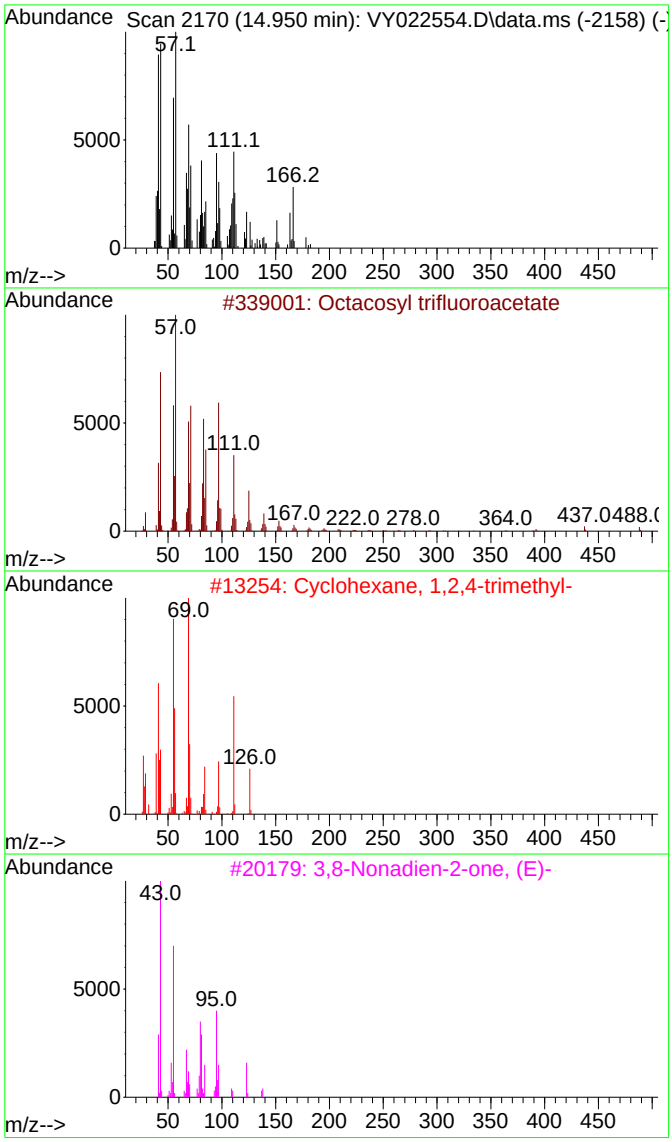
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

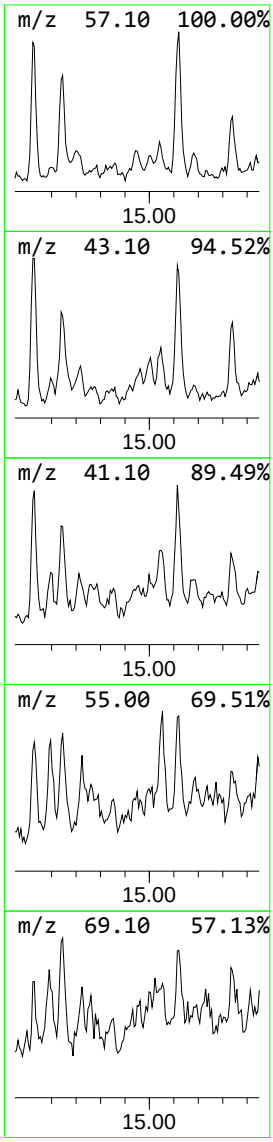
****

Peak Number 8 unknown14.950 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.950	5.87 ug/l	122046	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	27
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	25
3	3,8-Nonadien-2-one, (E)-	138	C9H14O	055282-90-1	25
4	1-Hexene-3,5-dione	112	C6H8O2	052204-69-0	18
5	Cyclohexane, (1,2-dimethylbutyl)-	168	C12H24	061142-37-8	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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

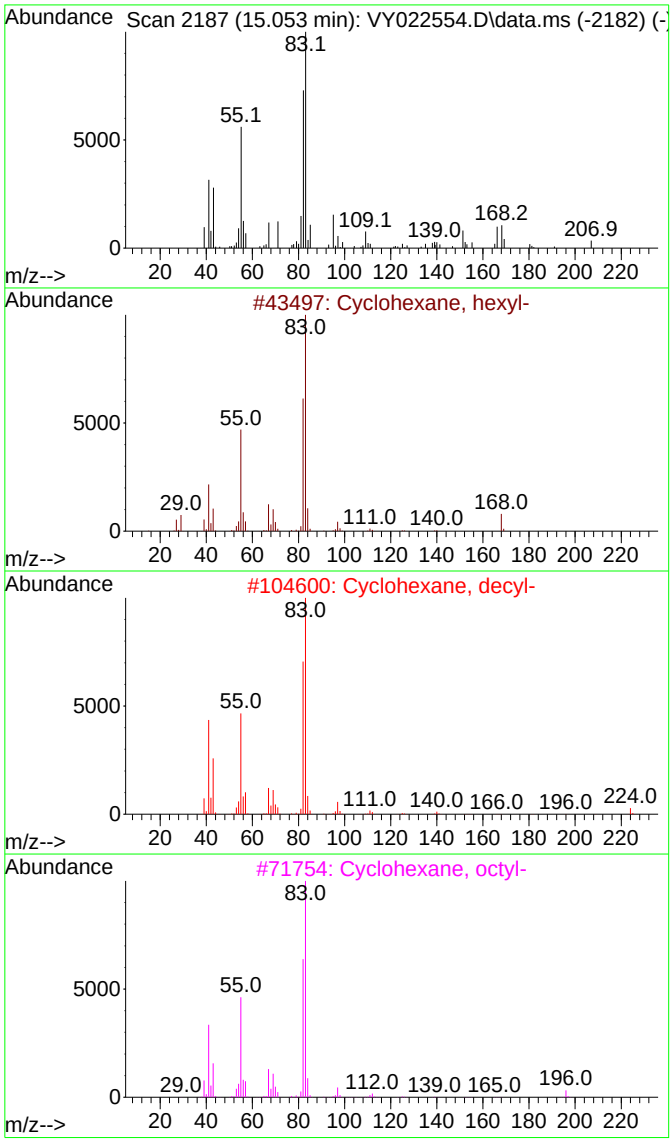
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

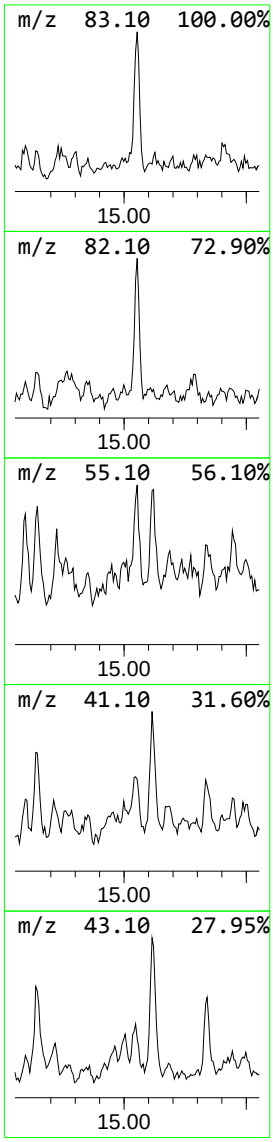
****

Peak Number 9 Cyclohexane, hexyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.053	5.45 ug/l	113337	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
2	Cyclohexane, decyl-	224	C16H32	001795-16-0	50
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	50
4	Acetamide, n-propyl-2-(4H-[1,2,4...	168	C7H12N4O	1000302-15-8	47
5	2H-Quinolizine-1-methanol, octah...	169	C10H19NO	000486-70-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

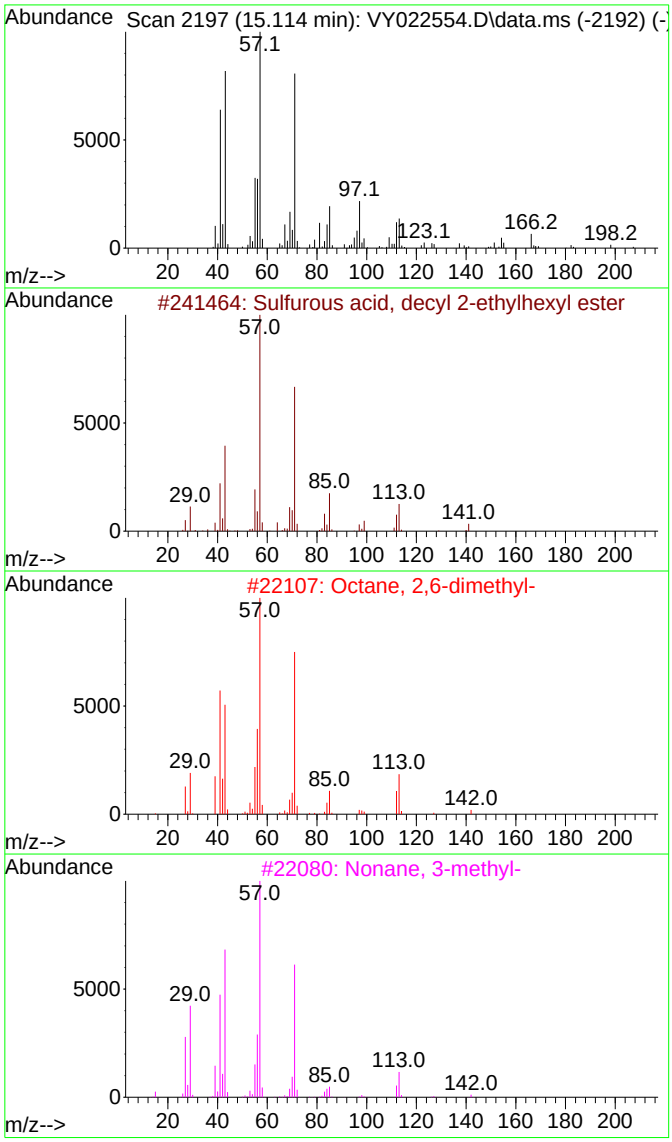
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

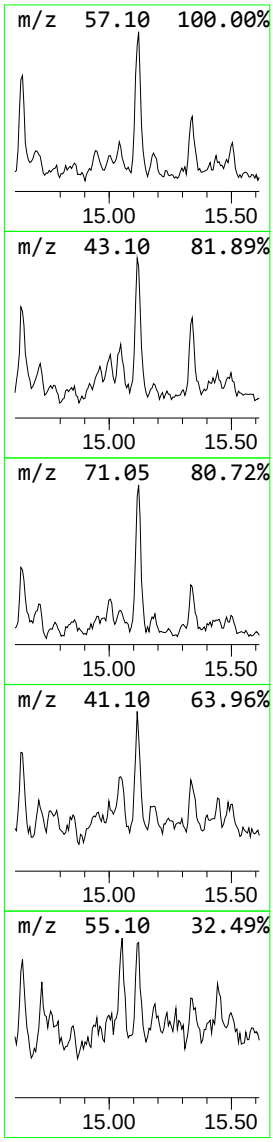
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Sulfurous acid, decyl 2-eth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.114	8.44 ug/l	175391	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	59
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	59
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	53
4	3-Bromooctane	192	C8H17Br	000999-64-4	49
5	Octane, 2-bromo-	192	C8H17Br	000557-35-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022554.D
Acq On : 04 Jun 2025 16:34
Operator : SY/MD
Sample : Q2177-02
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB01

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
Nonane, 4-methyl-	12.334	5.7	ug/l	144724	3	11.414	1273250	50.0
Decane	12.725	14.4	ug/l	298837	4	13.346	1039420	50.0
Cyclohexane, bu...	13.237	5.5	ug/l	113643	4	13.346	1039420	50.0
Carbonic acid, ...	13.669	8.3	ug/l	172783	4	13.346	1039420	50.0
Naphthalene, de...	14.169	8.1	ug/l	168087	4	13.346	1039420	50.0
Dodecane	14.529	8.0	ug/l	167222	4	13.346	1039420	50.0
Undecane, 2,6-d...	14.645	7.1	ug/l	147770	4	13.346	1039420	50.0
unknown14.950	14.950	5.9	ug/l	122046	4	13.346	1039420	50.0
Cyclohexane, he...	15.053	5.5	ug/l	113337	4	13.346	1039420	50.0
Sulfurous acid,...	15.114	8.4	ug/l	175391	4	13.346	1039420	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Time: Jun 05 04:18:40 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

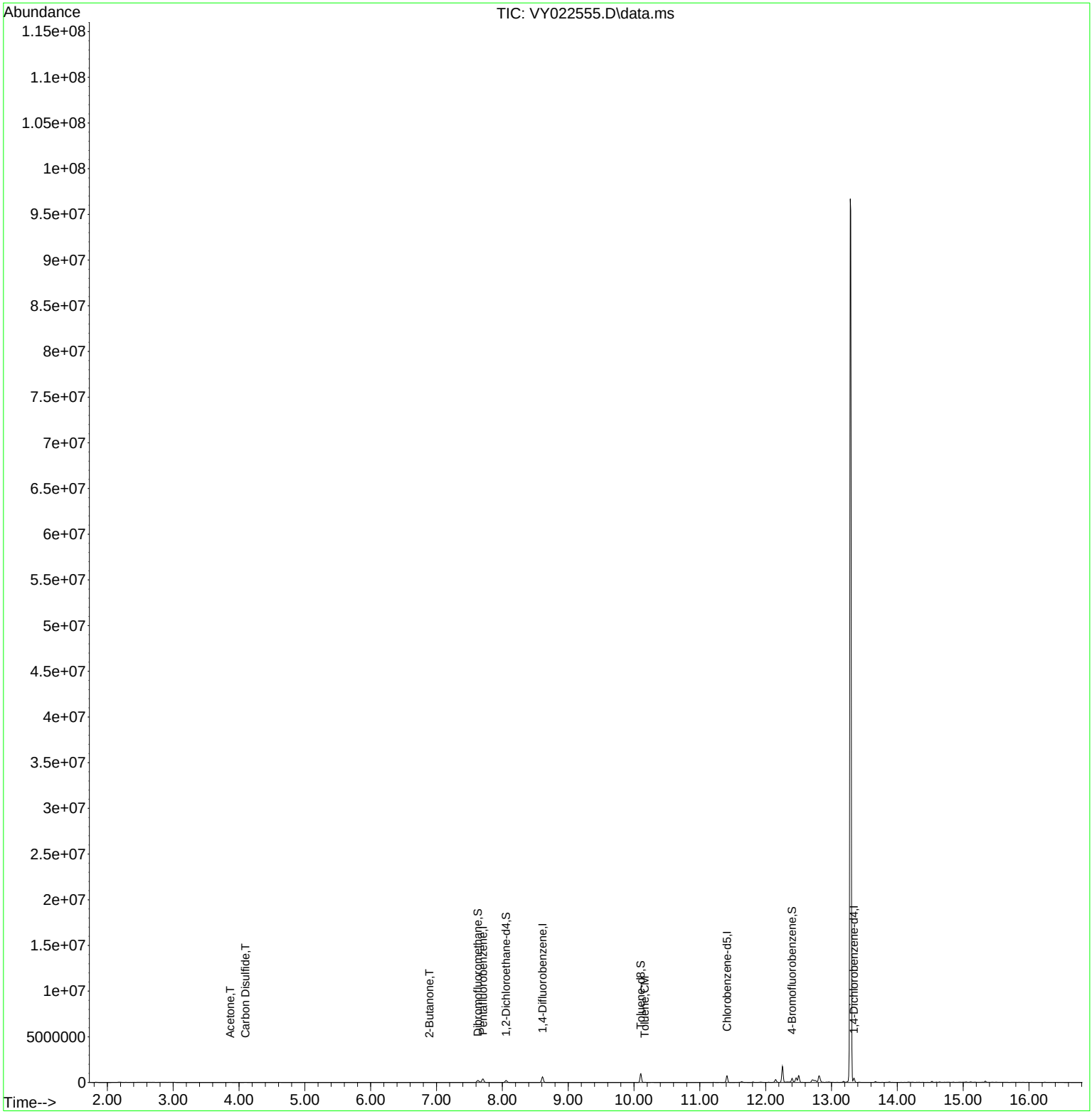
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	7.707	168	280753	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	8.609	114	497958	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.414	117	360175	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	103121	50.000	ug/l	#	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.055	65	163448	52.052	ug/l		-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.100%				
35) Dibromofluoromethane	7.628	113	154902	52.117	ug/l		-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.240%				
50) Toluene-d8	10.103	98	596438	49.663	ug/l		0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.320%				
62) 4-Bromofluorobenzene	12.401	95	118458	33.105	ug/l		0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 66.200%				
Target Compounds							Qvalue
16) Acetone	3.866	43	33897	53.155	ug/l		97
17) Carbon Disulfide	4.098	76	24493	2.598	ug/l		98
25) 2-Butanone	6.890	43	8145	8.855	ug/l	#	82
52) Toluene	10.164	92	10437	1.166	ug/l		99

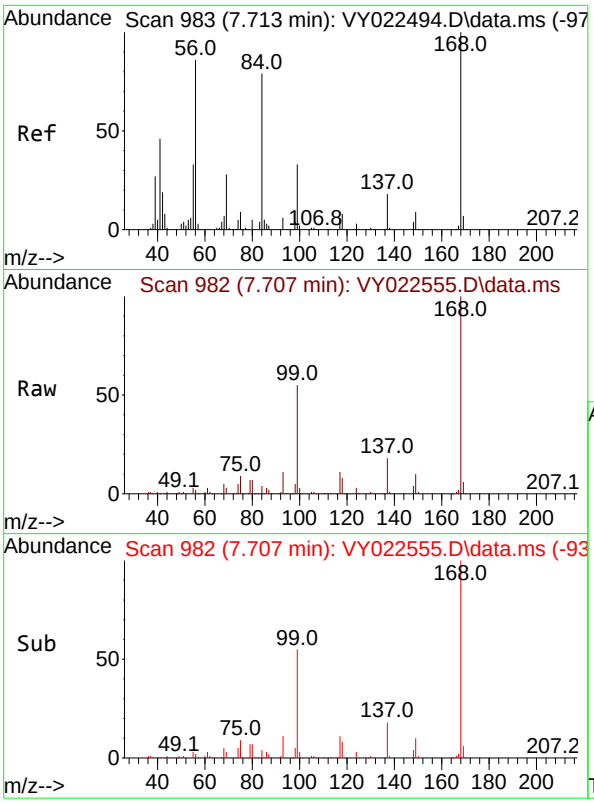
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Quant Time: Jun 05 04:18:40 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



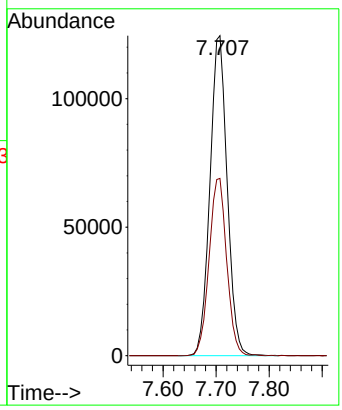


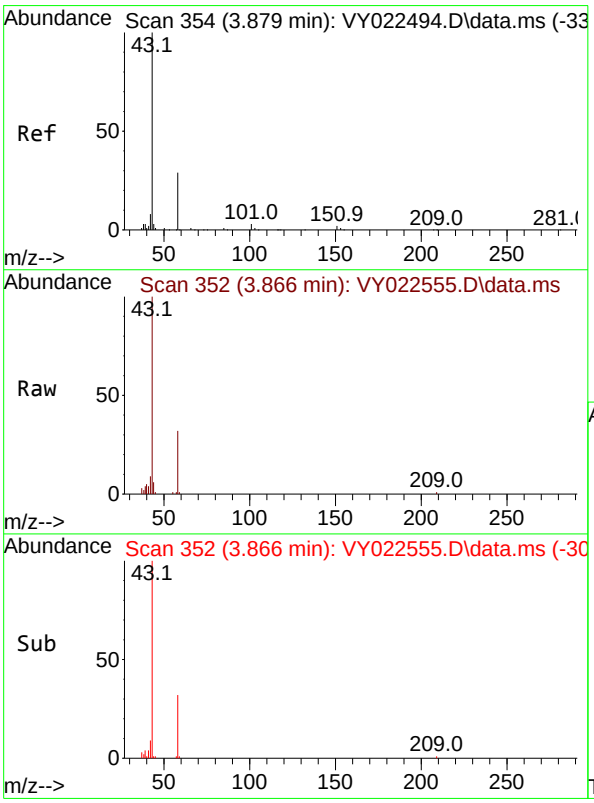
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion:168 Resp: 280753

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.3	66.5

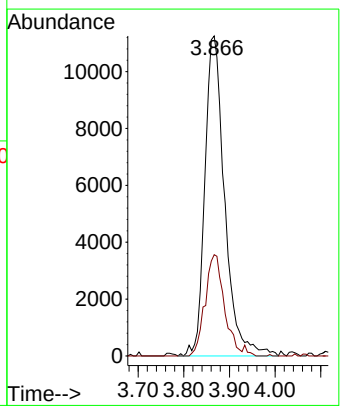


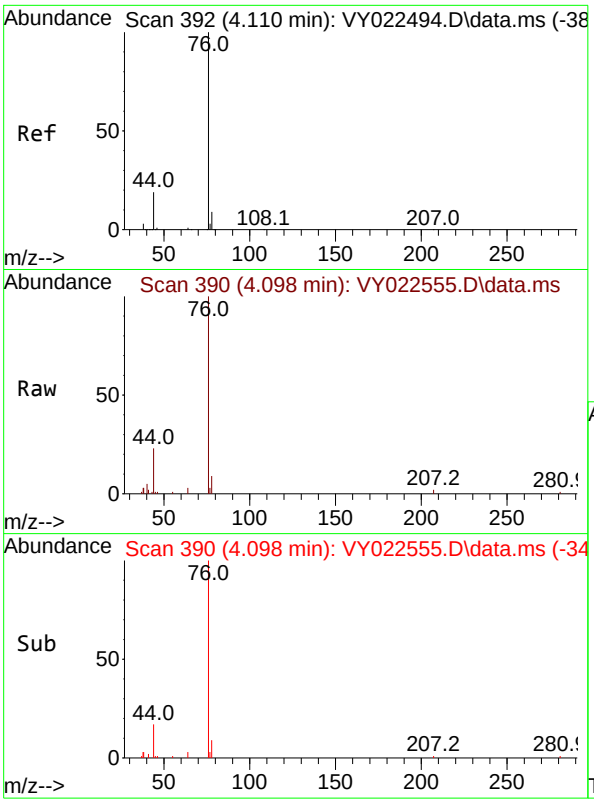


#16
Acetone
Concen: 53.155 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 43 Resp: 33897

Ion	Ratio	Lower	Upper
43	100		
58	31.6	24.0	36.0



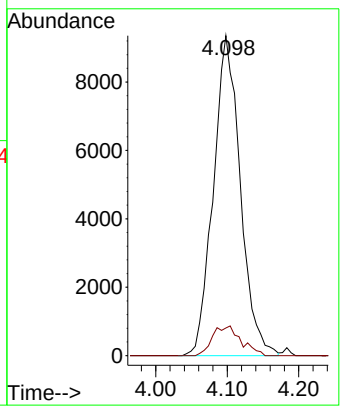


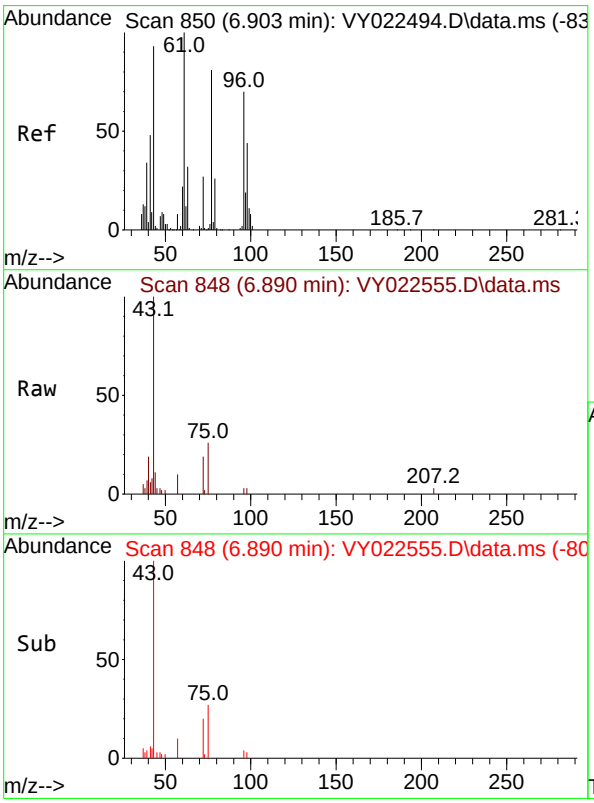
#17
Carbon Disulfide
Concen: 2.598 ug/l
RT: 4.098 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion: 76 Resp: 24493

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.2

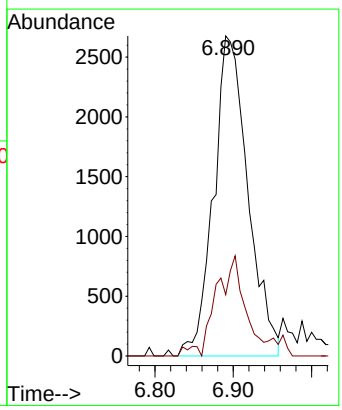


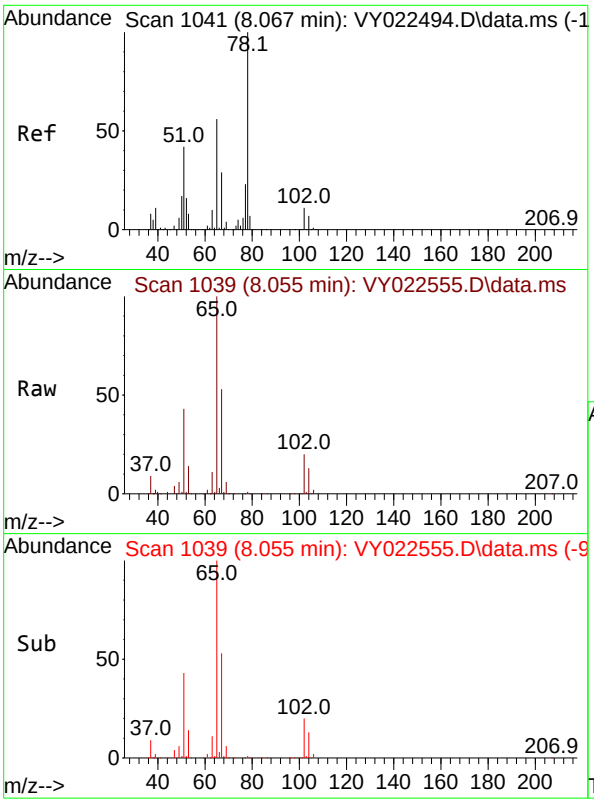


#25
2-Butanone
Concen: 8.855 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 43 Resp: 8145

Ion	Ratio	Lower	Upper
43	100		
72	19.2	22.9	34.3#



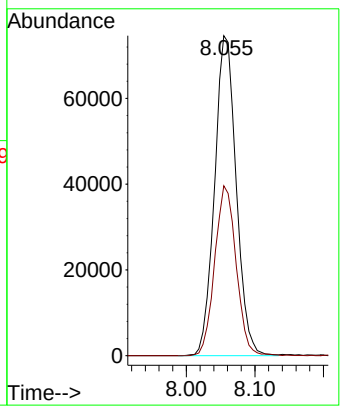


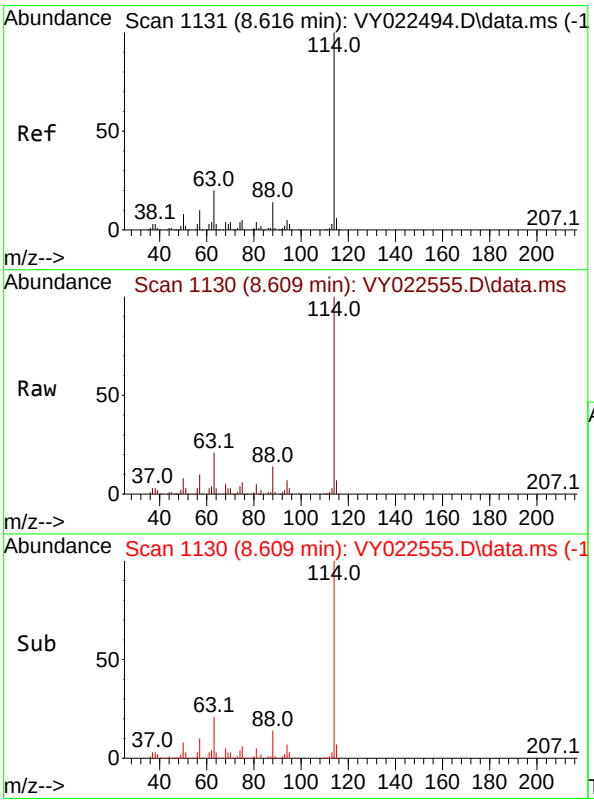
#33
1,2-Dichloroethane-d4
Concen: 52.052 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion: 65 Resp: 163448

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	103.4

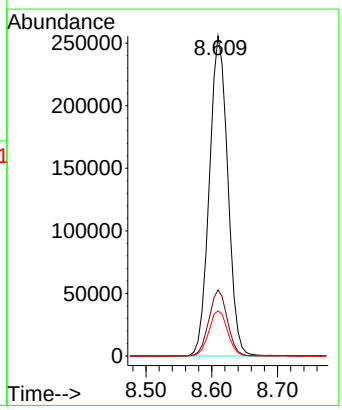


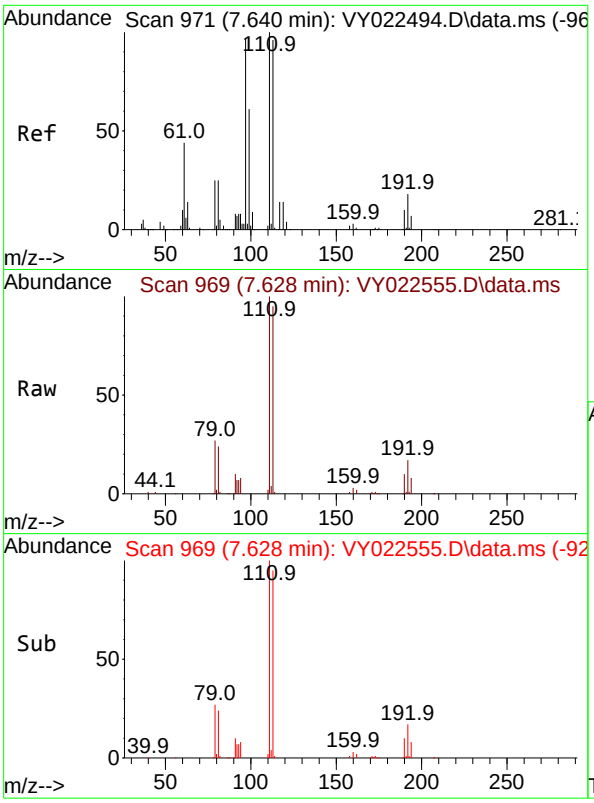


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion:114 Resp: 497958

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	14.1	0.0	27.8



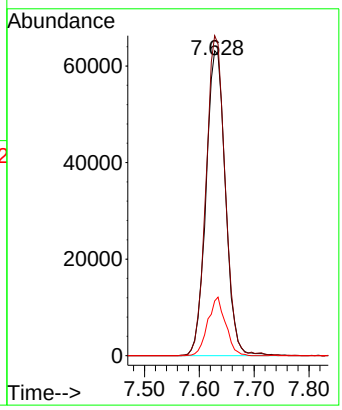


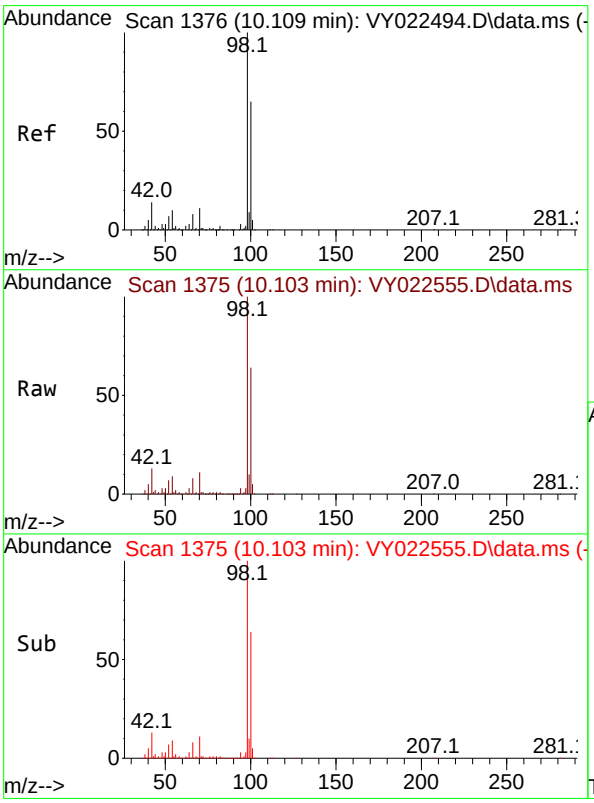
#35
Dibromofluoromethane
Concen: 52.117 ug/l
RT: 7.628 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion:113 Resp: 154902

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	17.7	14.2	21.2

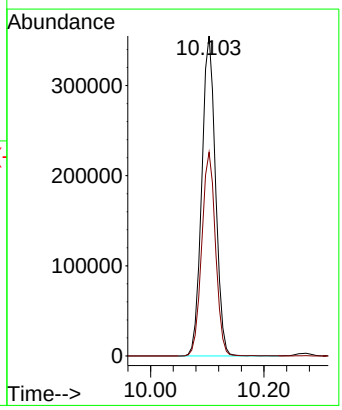


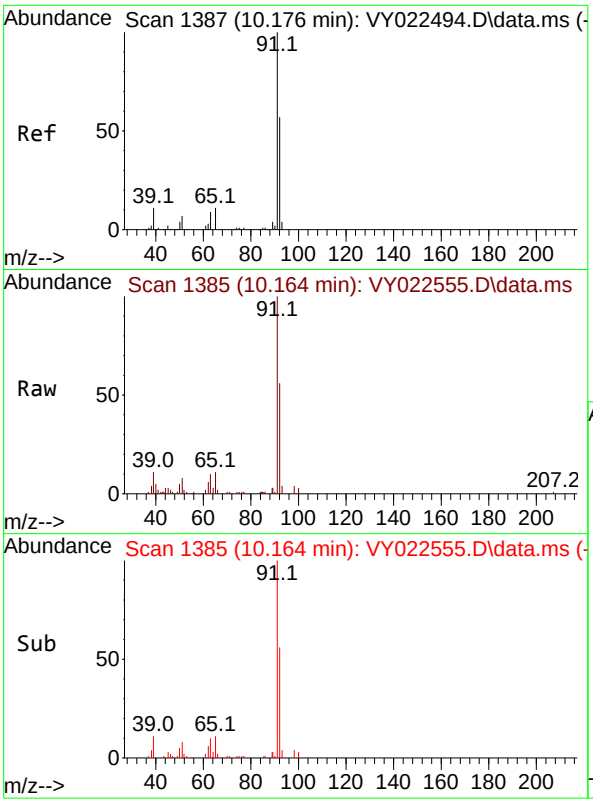


#50
Toluene-d8
Concen: 49.663 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 98 Resp: 596438

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0



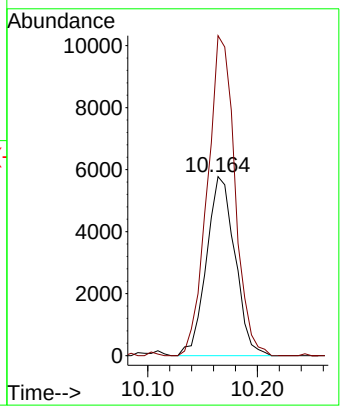


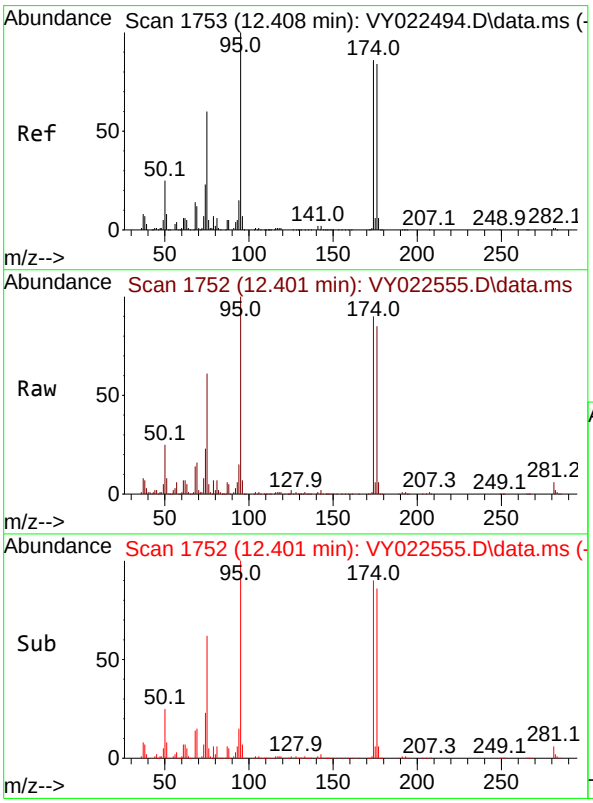
#52
Toluene
Concen: 1.166 ug/l
RT: 10.164 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion: 92 Resp: 10437

Ion	Ratio	Lower	Upper
92	100		
91	172.7	139.0	208.4

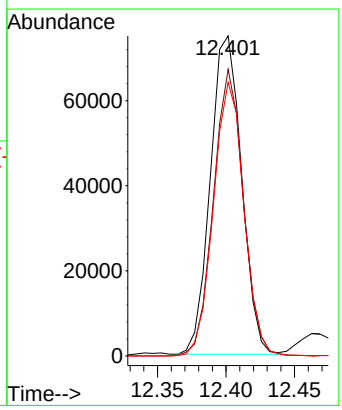


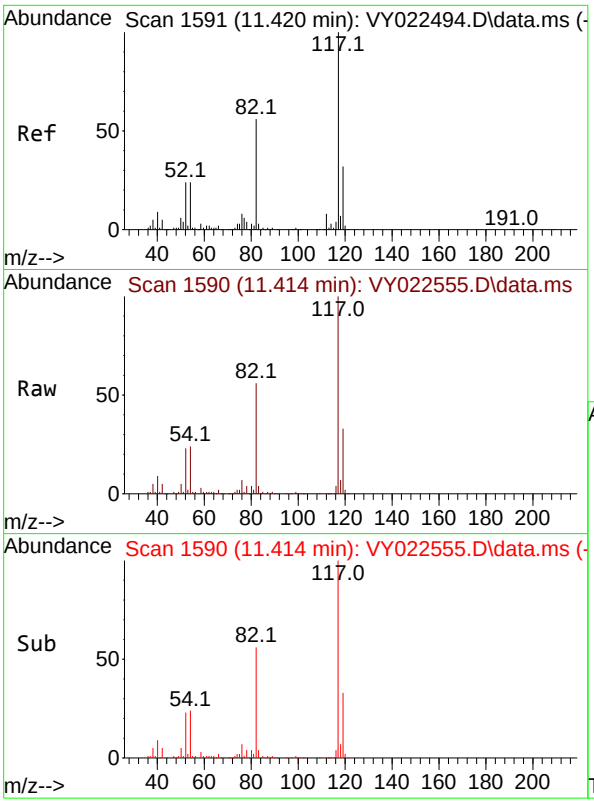


#62
4-Bromofluorobenzene
Concen: 33.105 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 95 Resp: 118458

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	170.0
176	83.9	0.0	166.2



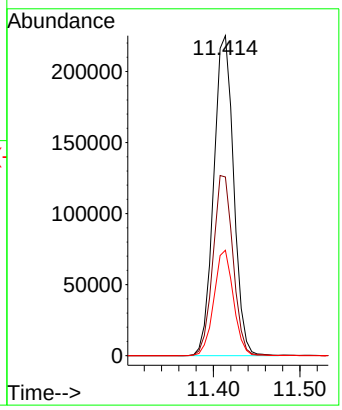


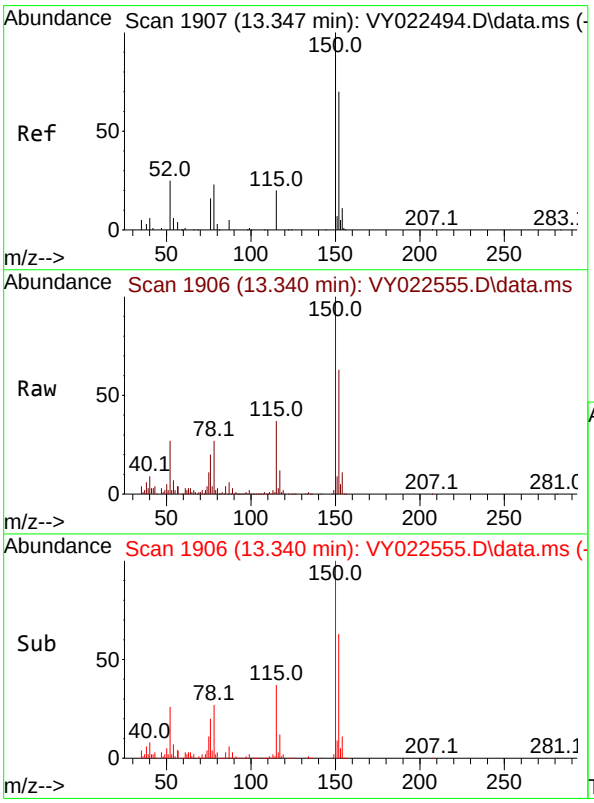
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

Tgt Ion:117 Resp: 360175

Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.6	66.8
119	33.0	25.4	38.0

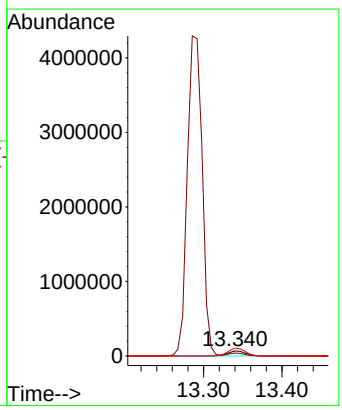




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion:152 Resp: 103121

Ion	Ratio	Lower	Upper
152	100		
115	0.0	28.9	86.7#
150	154.6	0.0	349.6



Sample Results: **VY022555.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-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: VY022555.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	10.103	1367	1375	1382	rBV	956430	1628455	1.17%	1.133%
2	12.255	1721	1728	1734	rBV	1744031	2666821	1.91%	1.855%
3	13.285	1885	1897	1903	rBV	96671722	139482274	100.00%	97.013%

Sum of corrected areas: 143777550

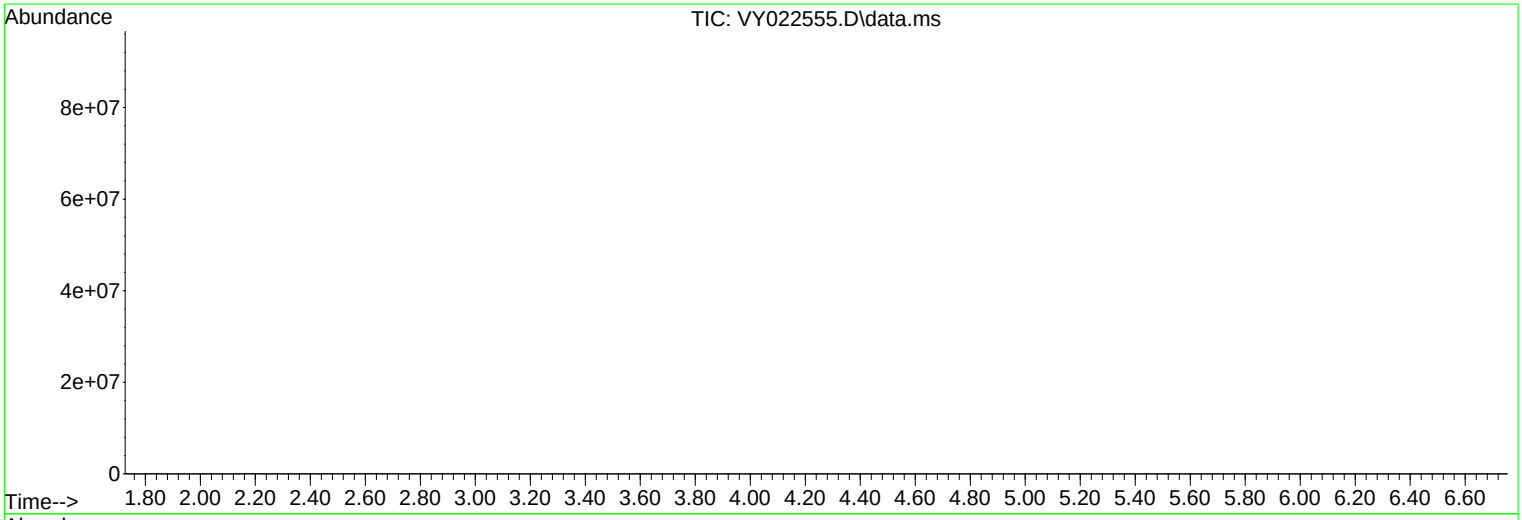
Sample Results: **VY022555.D**

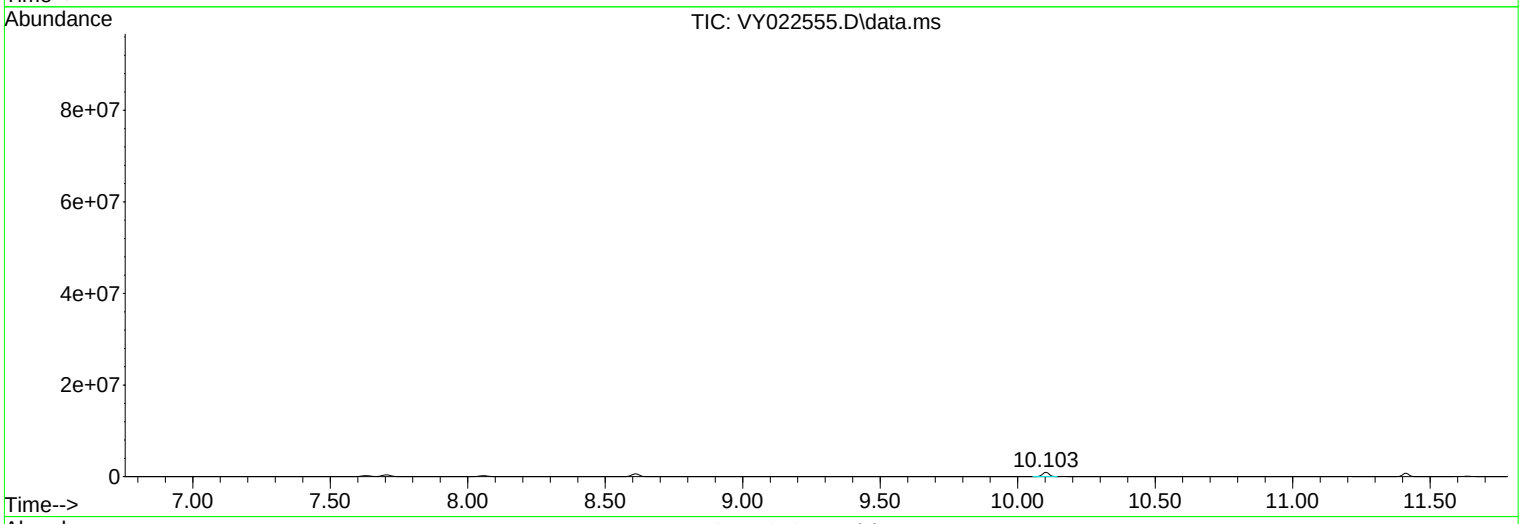
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

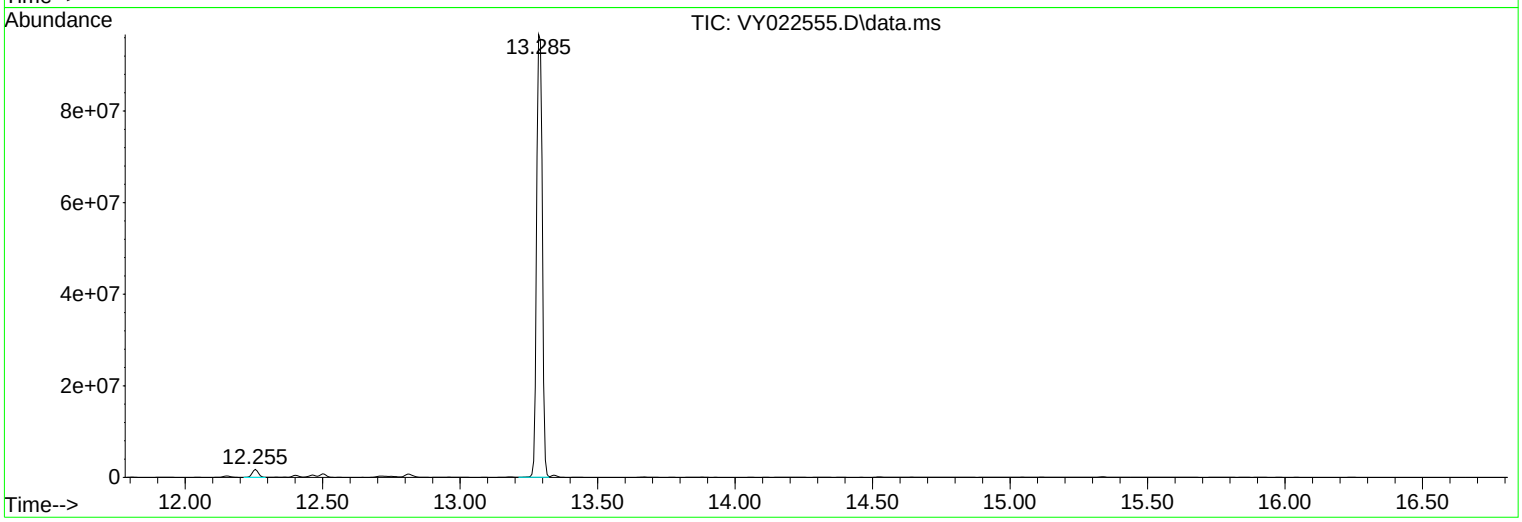
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

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 : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

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

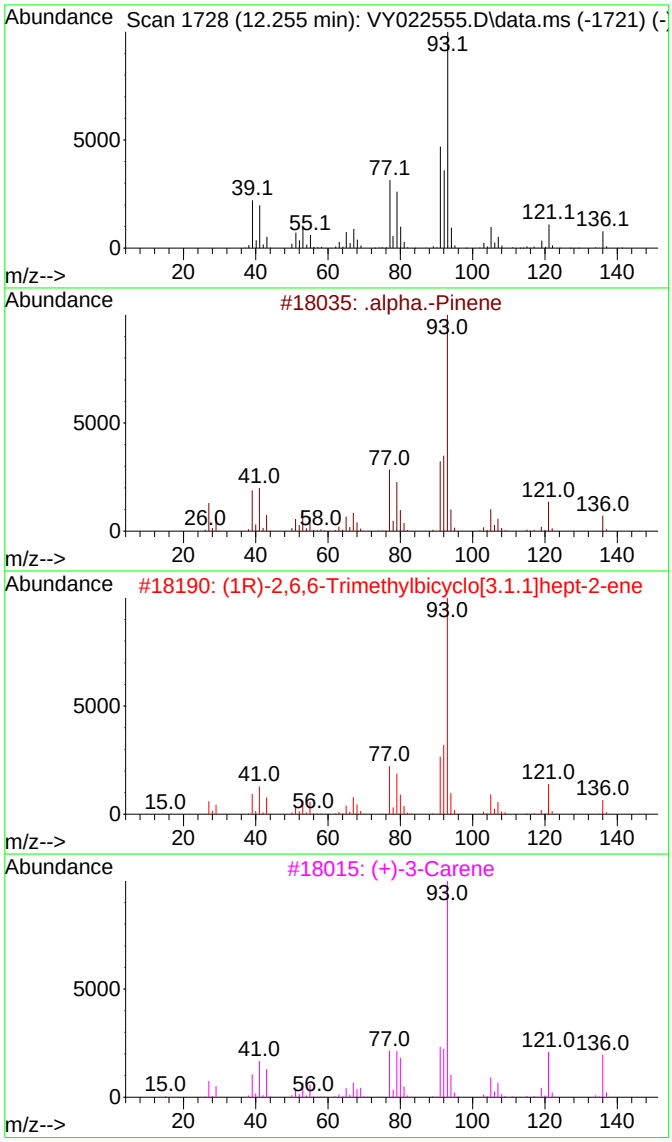
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

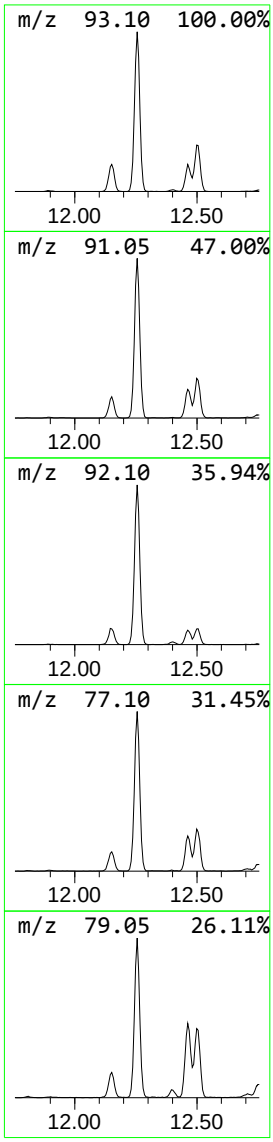
****

Peak Number 1 .alpha.-Pinene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.255	50.00 ug/l	2666820	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	94
3	(+)-3-Carene	136	C10H16	000498-15-7	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
5	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

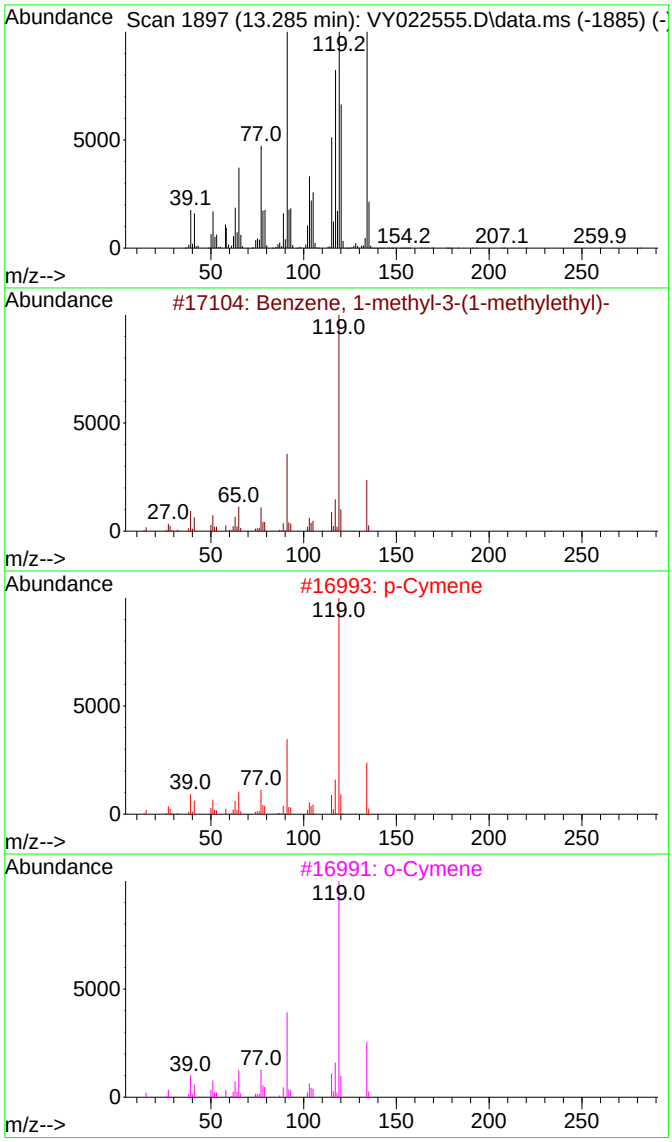
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
Quant Title : SW846 8260

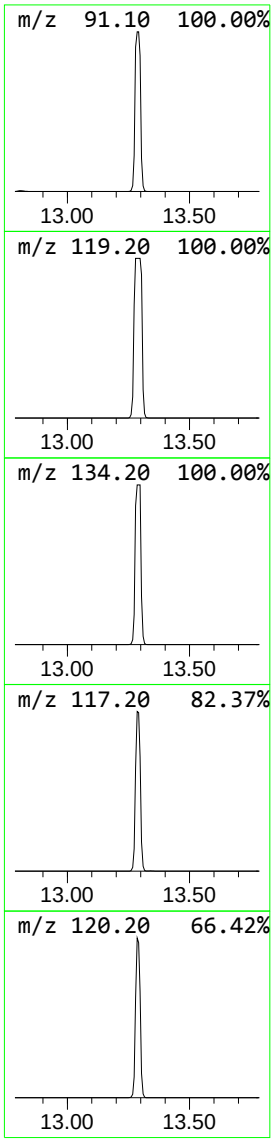
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-methyl-3-(1-meth... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.285	50.00 ug/l	139482000	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
2	p-Cymene	134	C10H14	000099-87-6	76
3	o-Cymene	134	C10H14	000527-84-4	62
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022555.D
Acq On : 04 Jun 2025 16:58
Operator : SY/MD
Sample : Q2177-04
Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-187-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
.alpha.-Pinene	12.255	50.0	ug/l	2666820	3	11.414	2666820	50.0
Benzene, 1-meth...	13.285	50.0	ug/l	139482000	4	13.340	139482000	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Time: Jun 06 01:23:26 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

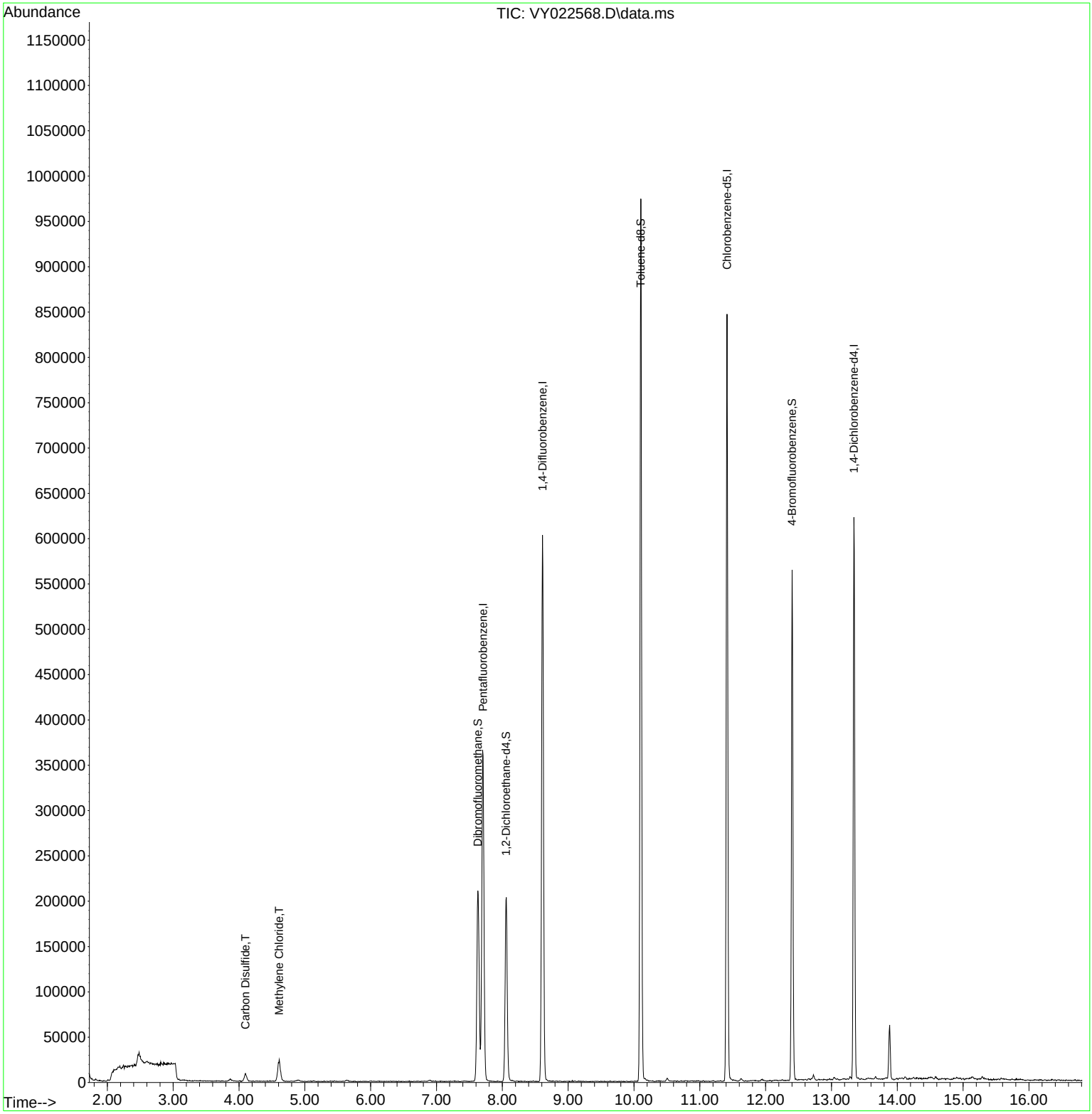
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	270828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	498576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	399252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	144715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	151083	49.878	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.760%		
35) Dibromofluoromethane	7.628	113	147294	49.496	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.000%		
50) Toluene-d8	10.103	98	599125	49.825	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.660%		
62) 4-Bromofluorobenzene	12.401	95	149446	41.713	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.420%		
Target Compounds						Qvalue
17) Carbon Disulfide	4.098	76	14692	1.616	ug/l	99
20) Methylene Chloride	4.610	84	15819	4.527	ug/l	95

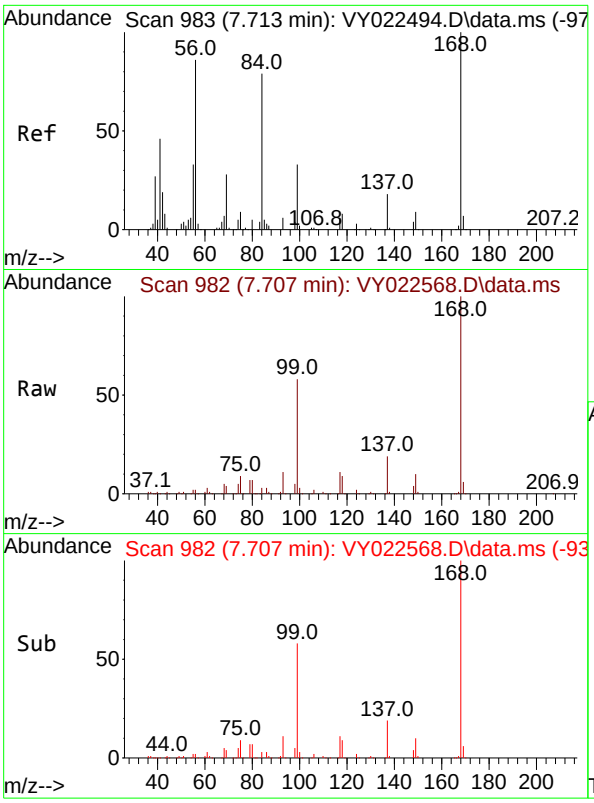
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Quant Time: Jun 06 01:23:26 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



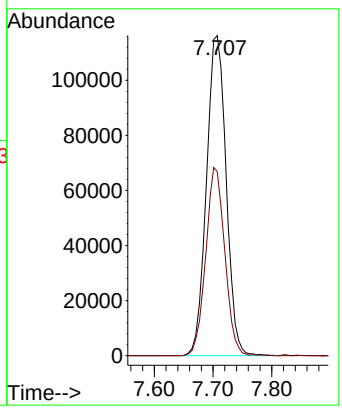


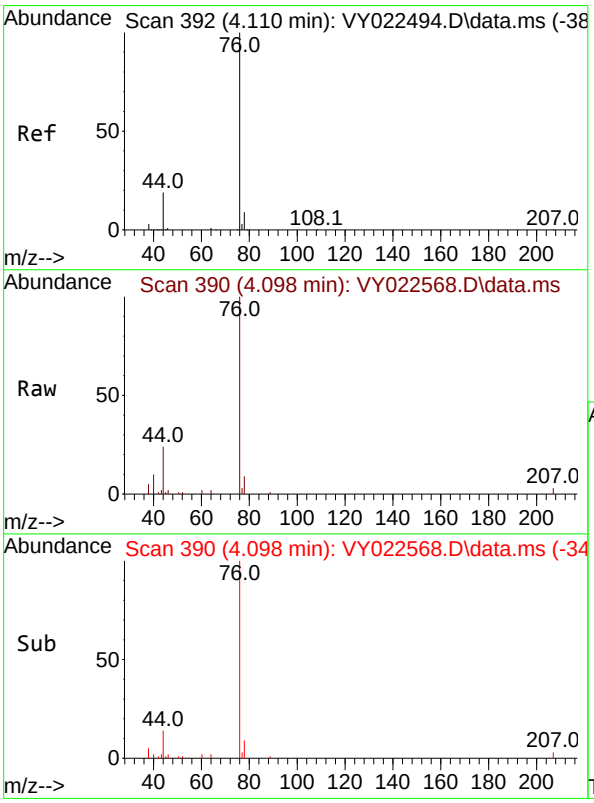
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion:168 Resp: 270828

Ion	Ratio	Lower	Upper
168	100		
99	57.5	44.3	66.5

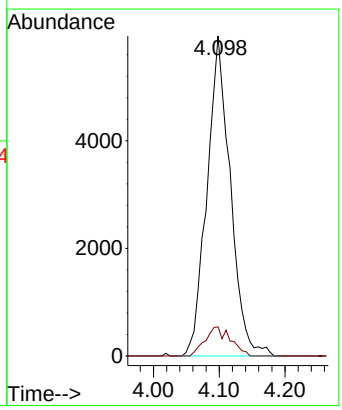


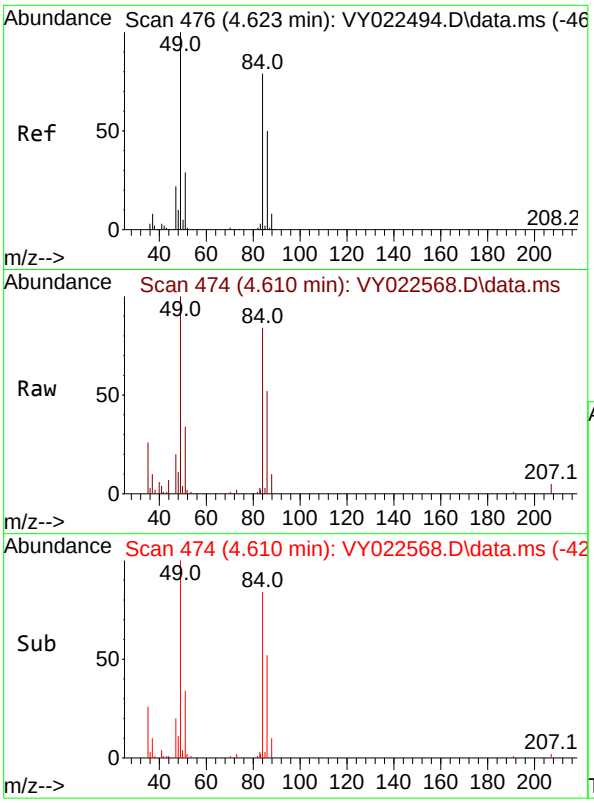


#17
Carbon Disulfide
Concen: 1.616 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 76 Resp: 14692

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2



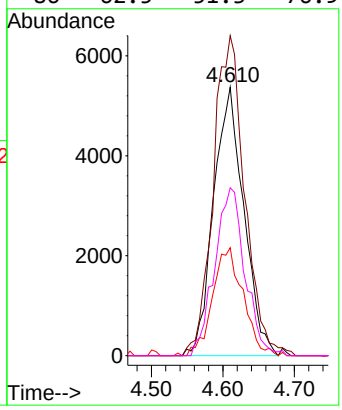


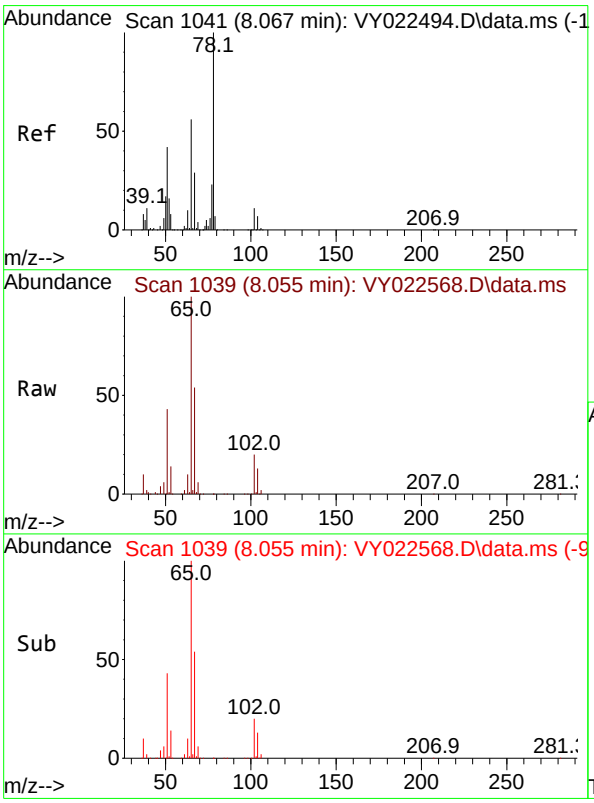
#20
Methylene Chloride
Concen: 4.527 ug/l
RT: 4.610 min Scan# 4
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion: 84 Resp: 15819

Ion	Ratio	Lower	Upper
84	100		
49	119.2	101.9	152.9
51	40.2	29.8	44.8
86	62.5	51.3	76.9

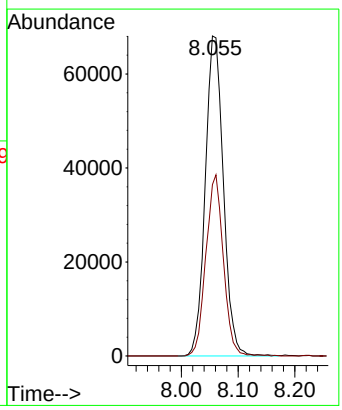


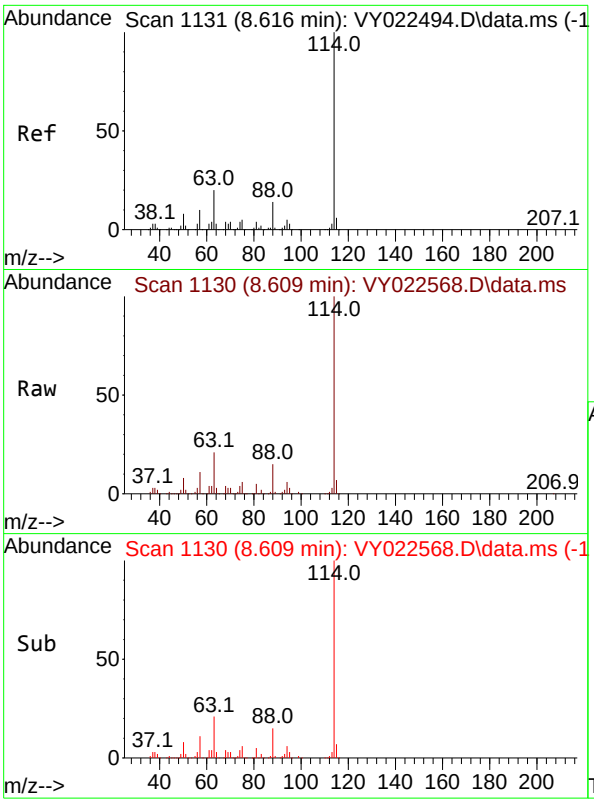


#33
1,2-Dichloroethane-d4
Concen: 49.878 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 65 Resp: 151083

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	103.4



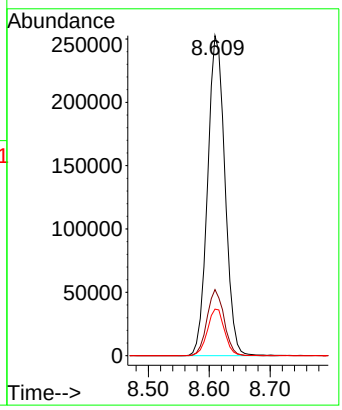


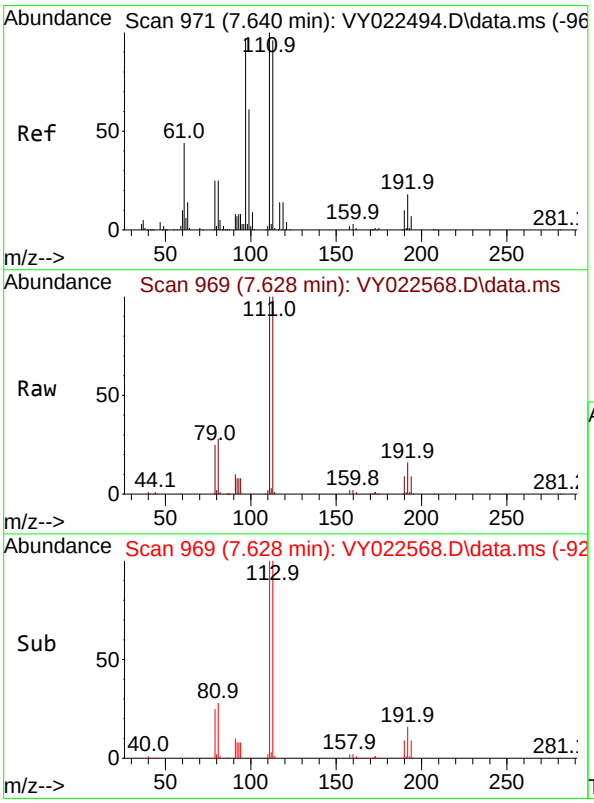
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion:114 Resp: 498576

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.8
88	14.5	0.0	27.8

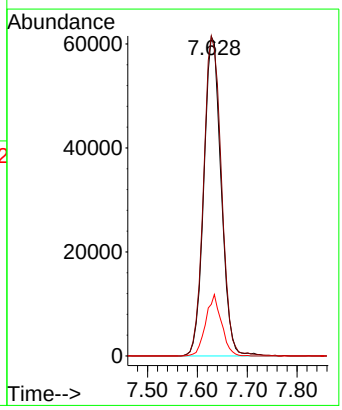


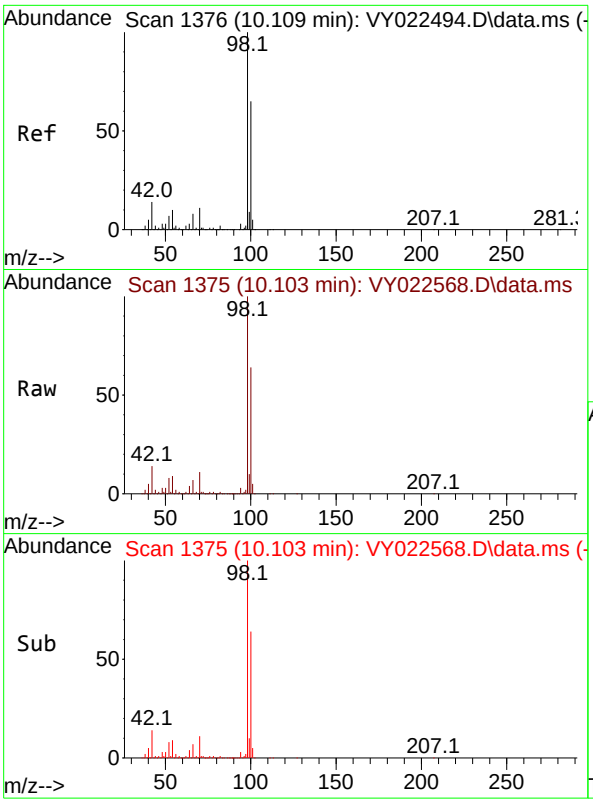


#35
Dibromofluoromethane
Concen: 49.496 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion:113 Resp: 147294

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.1	121.7
192	17.6	14.2	21.2



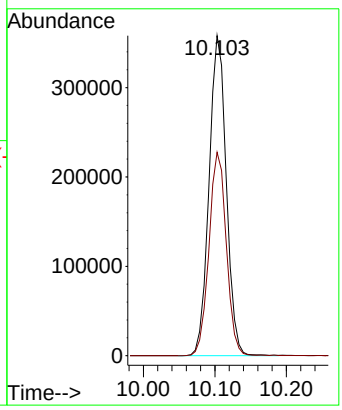


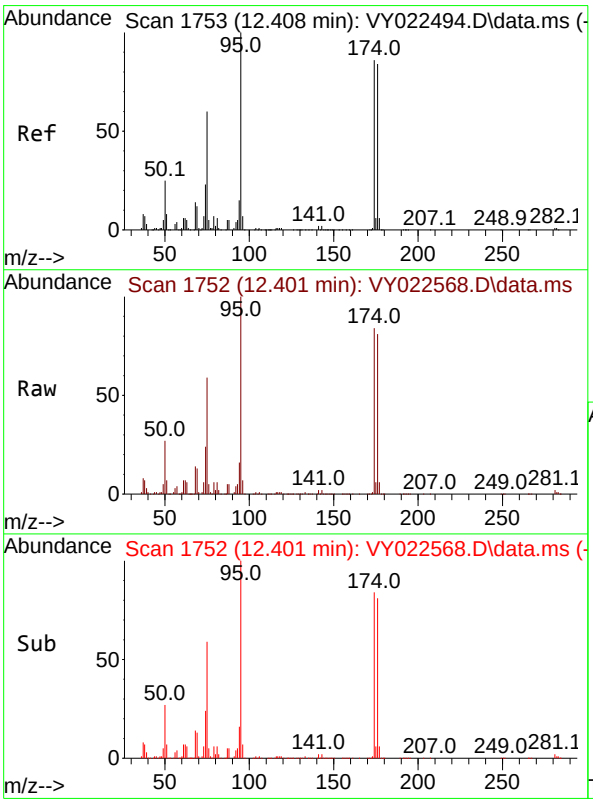
#50
Toluene-d8
Concen: 49.825 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion: 98 Resp: 599125

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.4	77.0

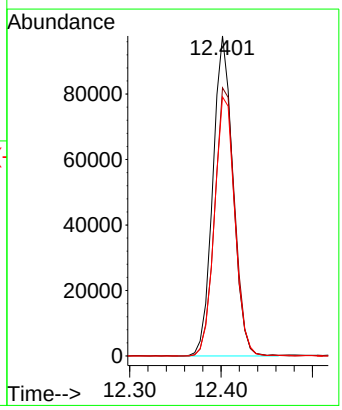


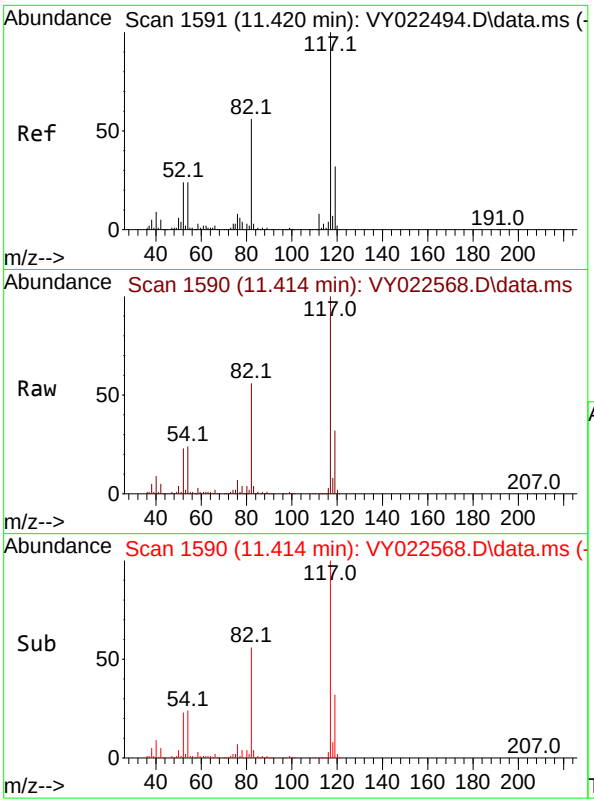


#62
4-Bromofluorobenzene
Concen: 41.713 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion: 95 Resp: 149446

Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	170.0
176	81.9	0.0	166.2



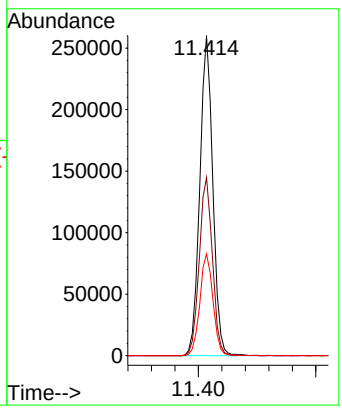


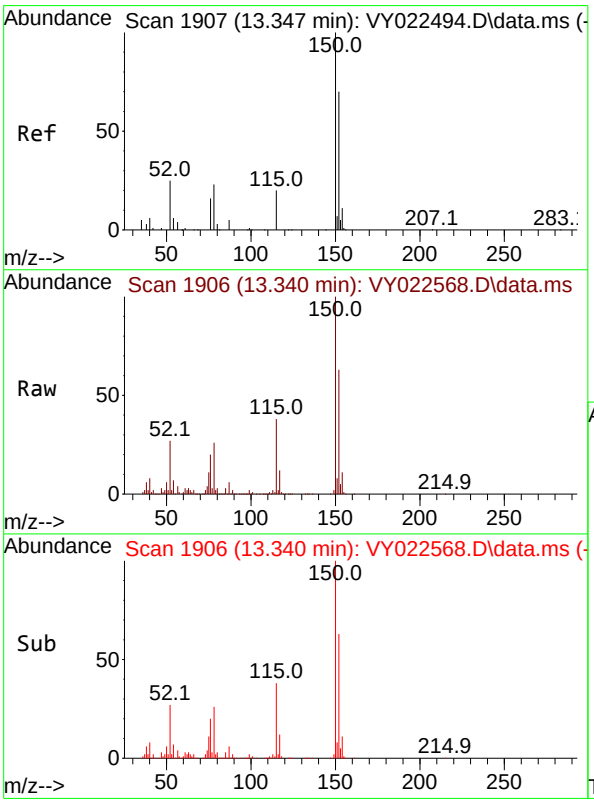
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

Tgt Ion:117 Resp: 399252

Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	66.8
119	31.8	25.4	38.0

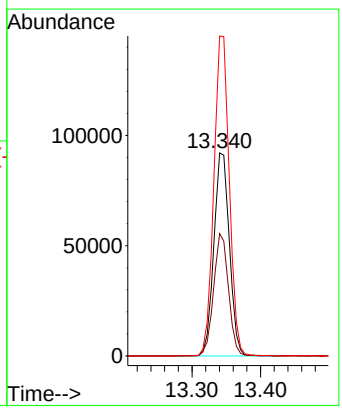




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022568.D
Acq: 05 Jun 2025 12:45

Tgt Ion:152 Resp: 144715

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.7
150	156.2	0.0	349.6



Sample Results: **VY022568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

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

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

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

Signal : TIC: VY022568.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.098	50	62	63	rBV2	12107	31327	1.91%	0.389%
2	2.483	117	125	130	rBV2	15250	44894	2.74%	0.557%
3	4.098	380	390	398	rBV2	8817	23415	1.43%	0.290%
4	4.610	461	474	485	rBV2	23996	68958	4.21%	0.855%
5	7.628	959	969	975	rBV2	210194	508397	31.03%	6.307%
6	7.701	975	981	996	rVB	365024	838537	51.18%	10.402%
7	8.061	1030	1040	1051	rBV	203093	452140	27.60%	5.609%
8	8.609	1120	1130	1140	rBV	602926	1191758	72.74%	14.784%
9	10.103	1367	1375	1384	rBV	973626	1638406	100.00%	20.324%
10	11.414	1582	1590	1604	rBV	845984	1329390	81.14%	16.491%
11	12.401	1744	1752	1760	rBV	563319	885116	54.02%	10.980%
12	13.340	1900	1906	1914	rBV	619255	953550	58.20%	11.829%
13	13.883	1989	1995	2001	rVB	59885	95401	5.82%	1.183%

Sum of corrected areas: 8061289

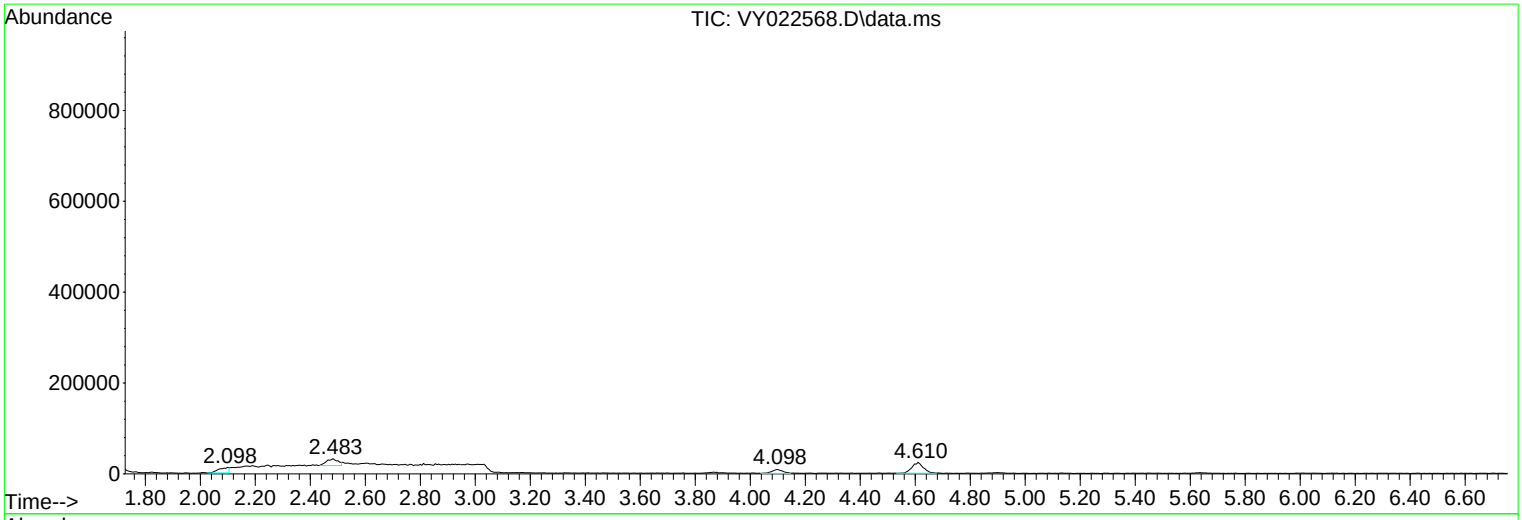
Sample Results: **VY022568.D**

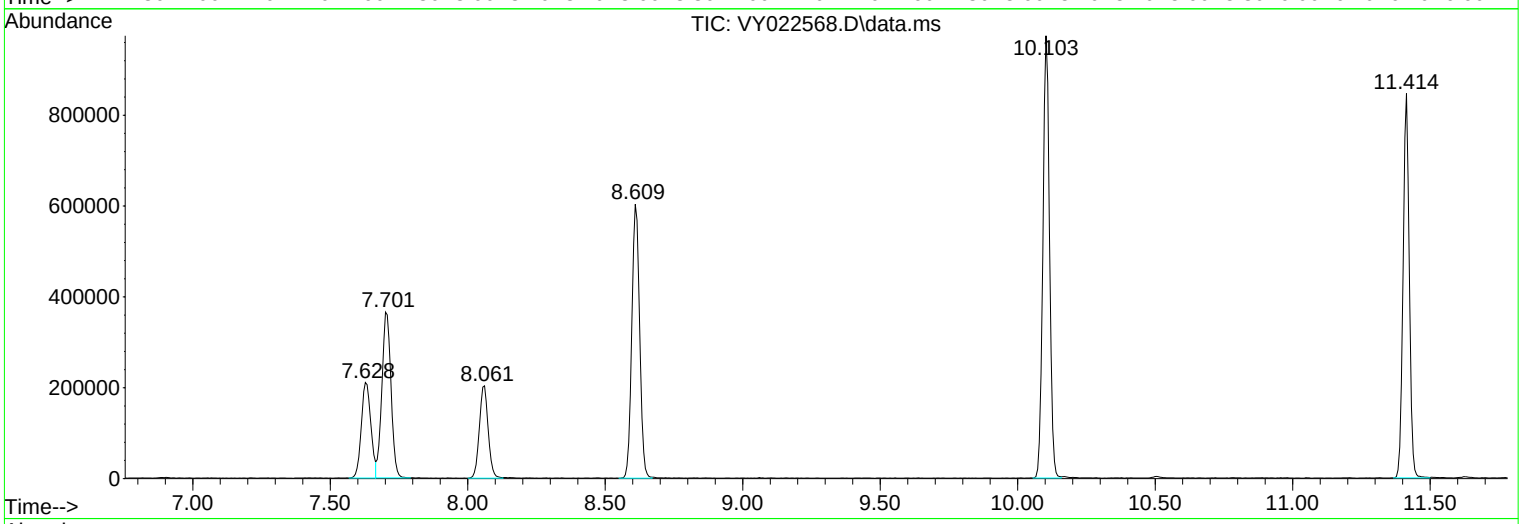
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

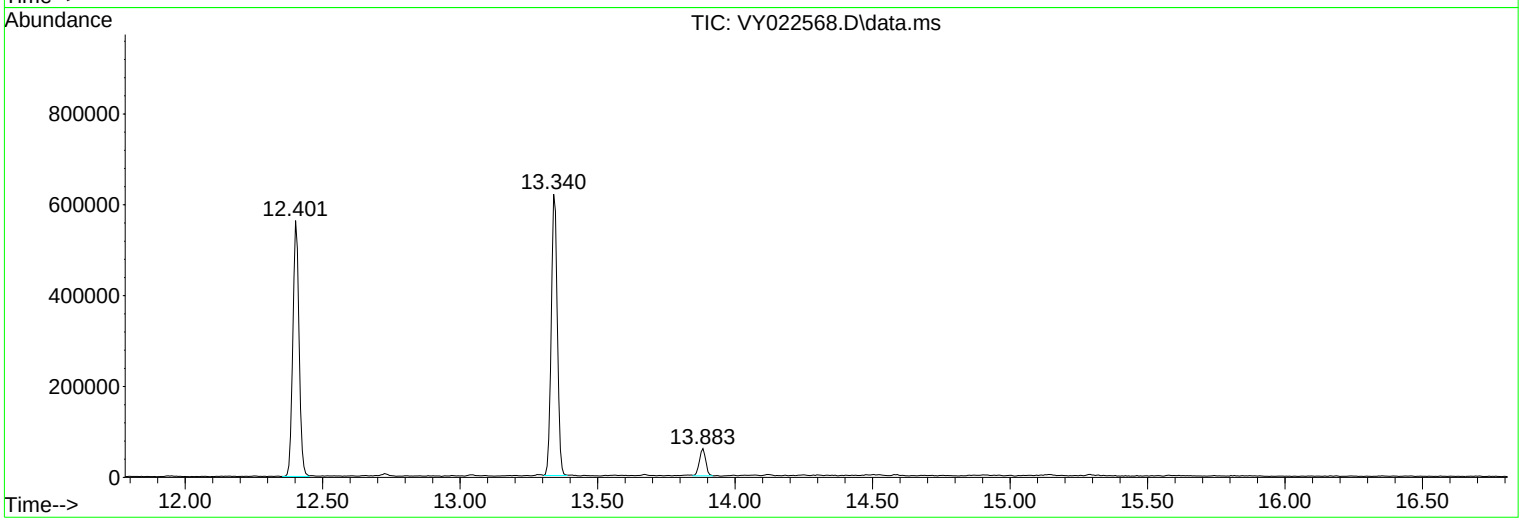
Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

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: **VY022568.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

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\VY060525\
Data File : VY022568.D
Acq On : 05 Jun 2025 12:45
Operator : SY/MD
Sample : Q2177-06
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-202-SB01

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\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Quant Time: Jun 03 01:36:13 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	5.544	168	65892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131320	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	55855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	63761	51.904	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.800%			
35) Dibromofluoromethane	5.379	113	46419	49.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.180%			
50) Toluene-d8	8.647	98	164764	50.340	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.680%			
62) 4-Bromofluorobenzene	11.079	95	66656	53.092	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.180%			
Target Compounds						Qvalue
16) Acetone	2.380	43	10525	21.369	ug/l	98
25) 2-Butanone	4.593	43	1719	2.404	ug/l	91

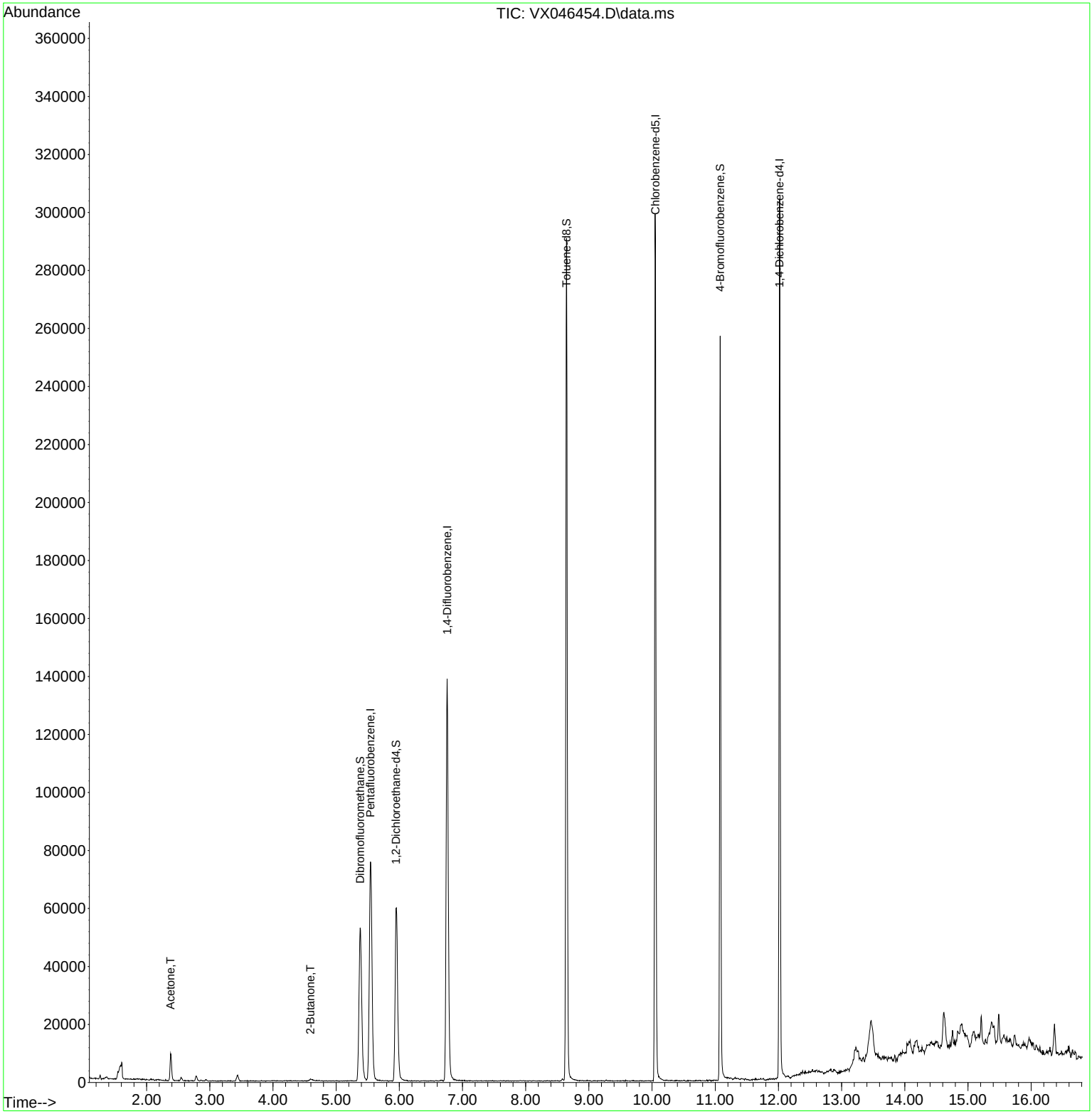
(#) = qualifier out of range (m) = manual integration (+) = signals summed

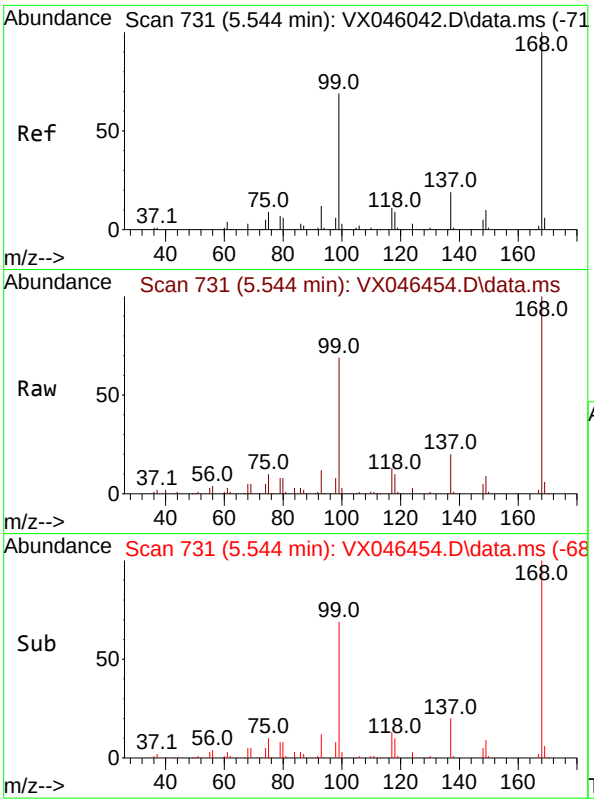
Sample Results: **VX046454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Quant Time: Jun 03 01:36:13 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



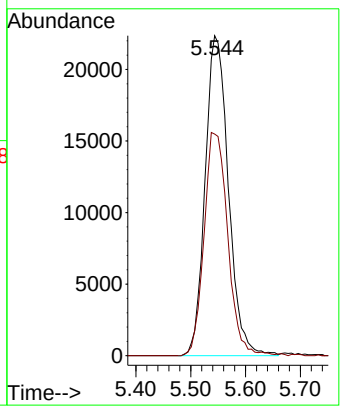


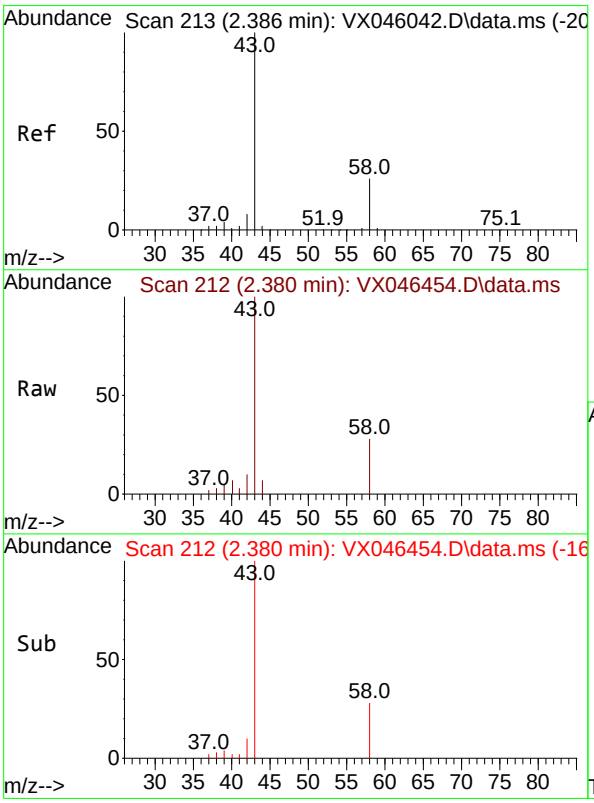
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion:168 Resp: 65892

Ion	Ratio	Lower	Upper
168	100		
99	69.3	54.9	82.3

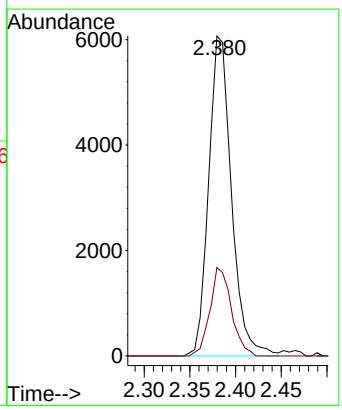


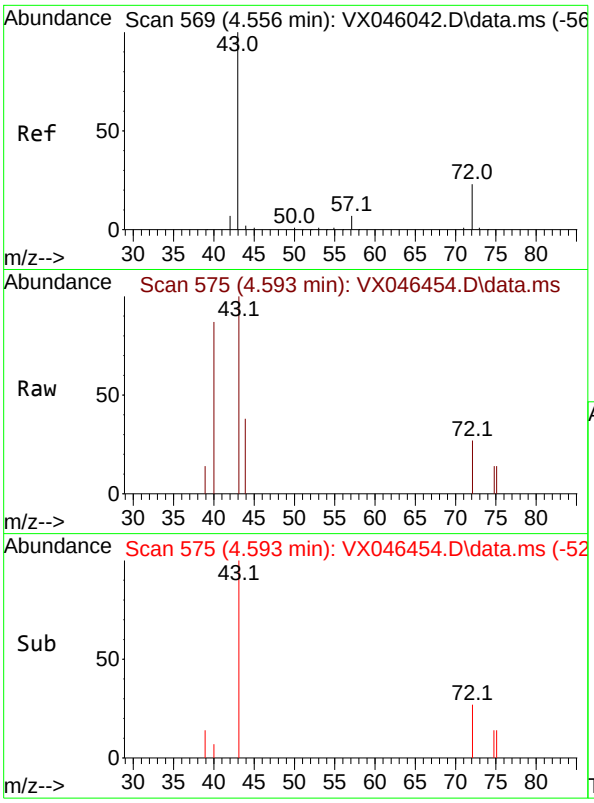


#16
Acetone
Concen: 21.369 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion: 43 Resp: 10525

Ion	Ratio	Lower	Upper
43	100		
58	27.6	21.2	31.8



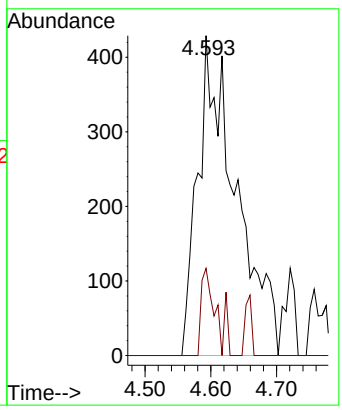


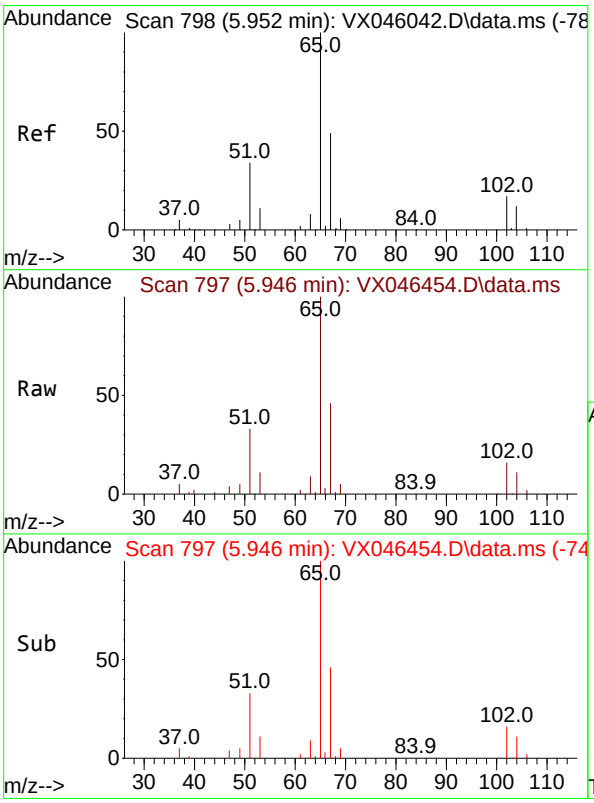
#25
2-Butanone
Concen: 2.404 ug/l
RT: 4.593 min Scan# 5
Delta R.T. 0.036 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion: 43 Resp: 1719

Ion	Ratio	Lower	Upper
43	100		
72	27.3	18.4	27.6

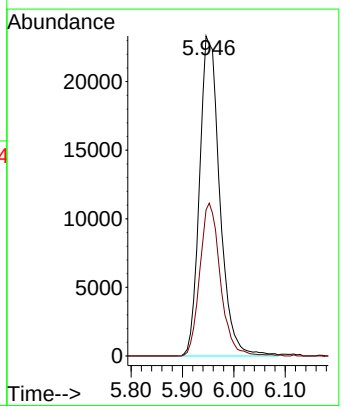


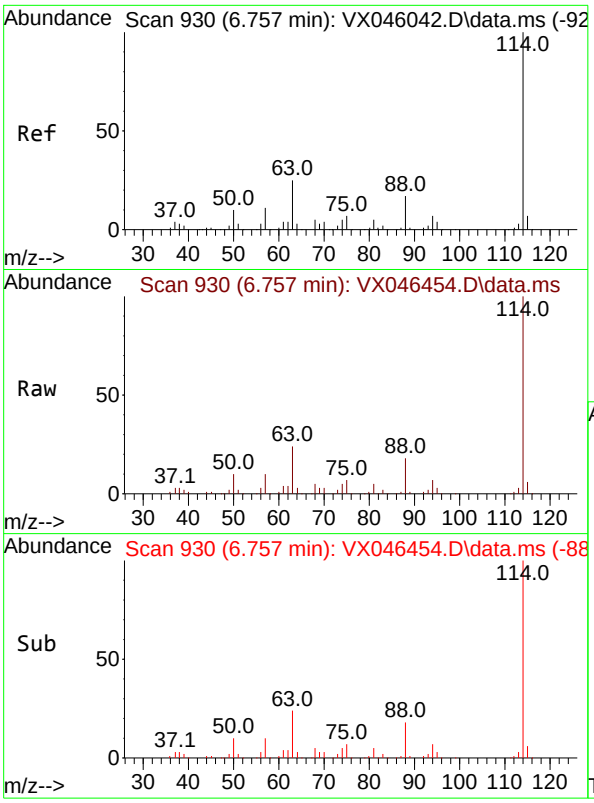


#33
1,2-Dichloroethane-d4
Concen: 51.904 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion: 65 Resp: 63761

Ion	Ratio	Lower	Upper
65	100		
67	48.5	0.0	99.0



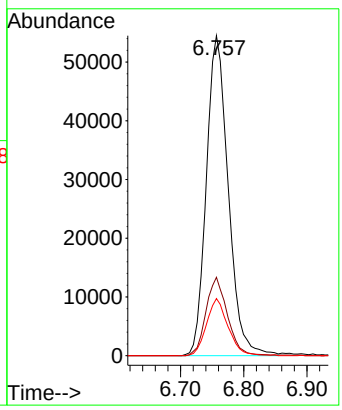


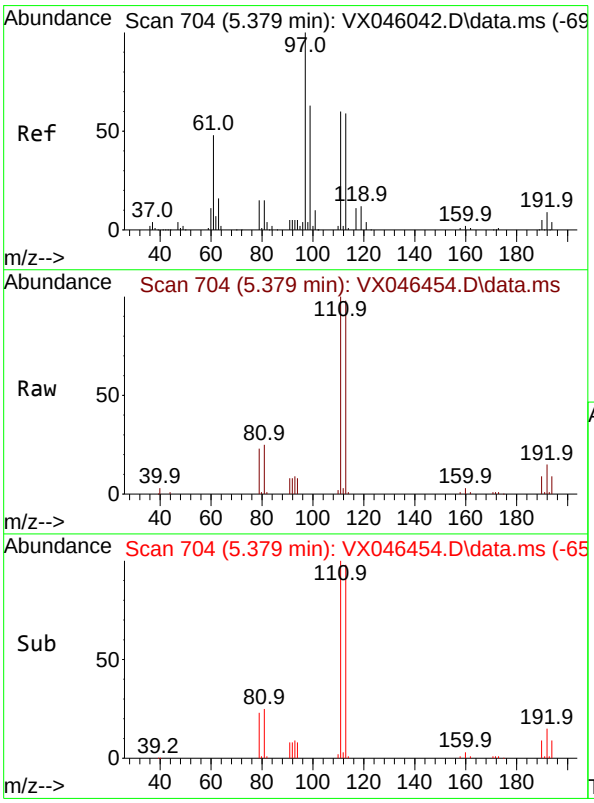
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion:114 Resp: 131320

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	49.2
88	17.8	0.0	33.6

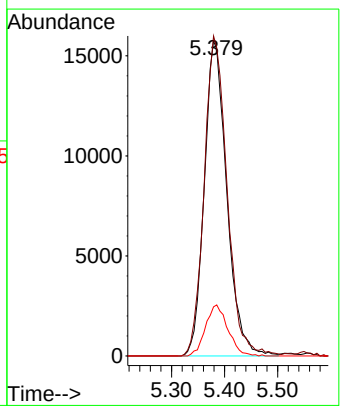


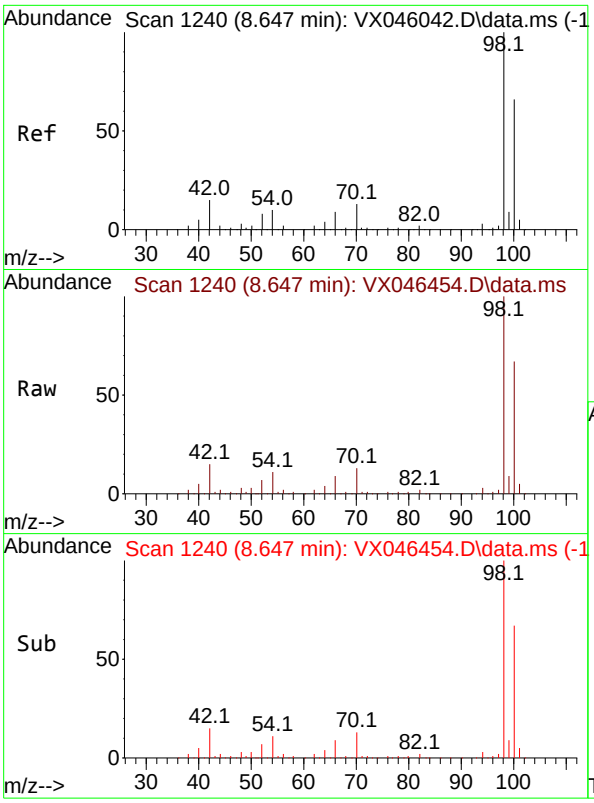


#35
Dibromofluoromethane
Concen: 49.087 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion:113 Resp: 46419

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	16.1	13.3	19.9



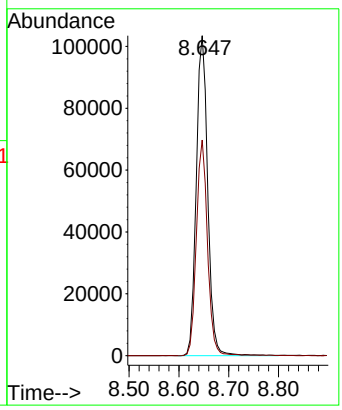


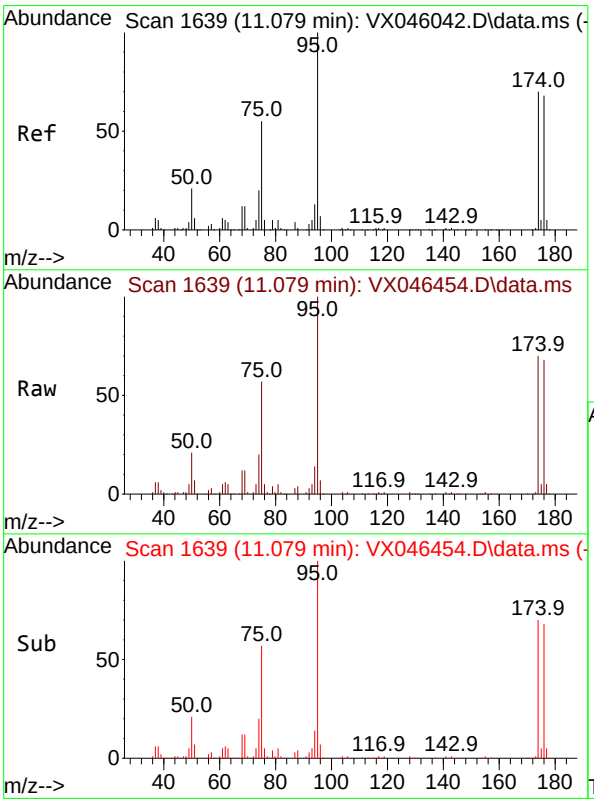
#50
Toluene-d8
Concen: 50.340 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion: 98 Resp: 164764

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.5	80.3

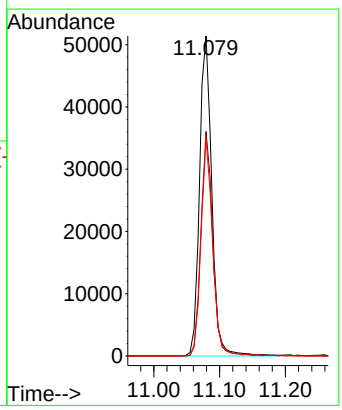


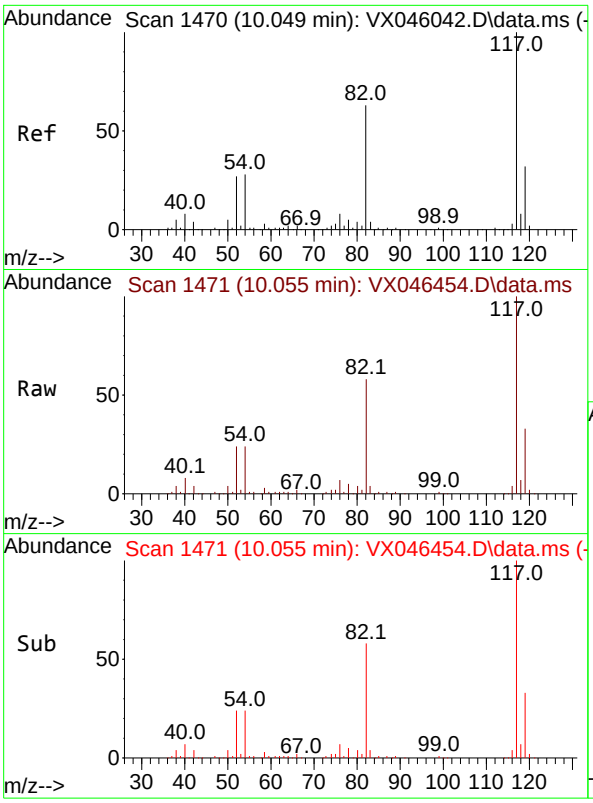


#62
4-Bromofluorobenzene
Concen: 53.092 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion: 95 Resp: 66656

Ion	Ratio	Lower	Upper
95	100		
174	67.3	0.0	135.8
176	64.5	0.0	131.4



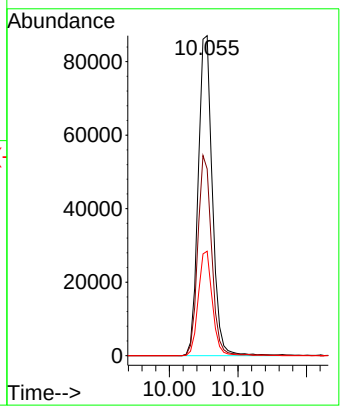


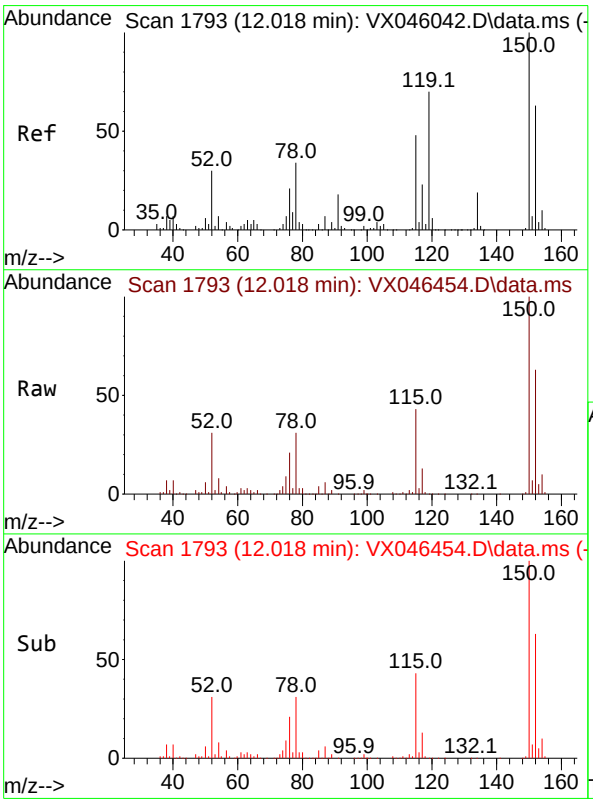
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

Tgt Ion:117 Resp: 124794

Ion	Ratio	Lower	Upper
117	100		
82	58.4	50.6	76.0
119	32.7	25.8	38.6

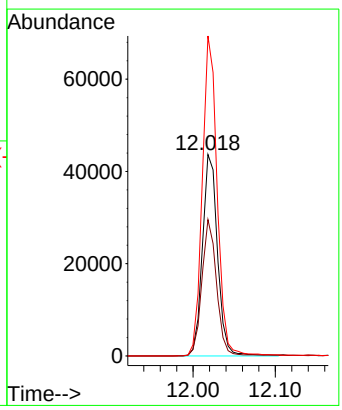




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046454.D
Acq: 02 Jun 2025 19:06

Tgt Ion:152 Resp: 55855

Ion	Ratio	Lower	Upper
152	100		
115	66.8	46.9	140.7
150	156.7	0.0	351.0



Sample Results: **VX046454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

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: VX046454.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.587	76	82	83	rVV4	4769	10017	2.19%	0.376%
2	1.605	83	85	92	rVB4	5733	6592	1.44%	0.248%
3	2.380	205	212	220	rBV	9428	16520	3.61%	0.621%
4	3.440	380	386	392	rVB2	2157	4607	1.01%	0.173%
5	5.379	694	704	720	rBV	52819	157562	34.42%	5.919%
6	5.544	720	731	743	rBV	75336	218080	47.64%	8.192%
7	5.952	788	798	815	rBV	59788	166913	36.46%	6.270%
8	6.757	920	930	946	rBV	138703	333333	72.82%	12.522%
9	8.647	1233	1240	1250	rBV	290401	457769	100.00%	17.196%
10	10.049	1465	1470	1479	rBV	298916	422160	92.22%	15.858%
11	11.079	1634	1639	1650	rBV	256571	325232	71.05%	12.217%
12	12.018	1788	1793	1803	rBV	303082	378888	82.77%	14.233%
13	13.183	1974	1984	1985	rBV9	3932	8858	1.94%	0.333%
14	13.469	2020	2031	2042	rVB5	11821	49228	10.75%	1.849%
15	14.621	2214	2220	2231	rVB6	12142	34804	7.60%	1.307%
16	14.755	2238	2242	2246	rBV7	5641	7906	1.73%	0.297%
17	14.841	2253	2256	2260	rBV6	3381	6772	1.48%	0.254%
18	15.213	2314	2317	2325	rVB5	9748	13676	2.99%	0.514%
19	15.487	2359	2362	2369	rVB4	10086	14776	3.23%	0.555%
20	15.743	2400	2404	2408	rVB7	3505	5935	1.30%	0.223%
21	16.371	2501	2507	2512	rVB3	10210	17624	3.85%	0.662%
22	16.657	2549	2554	2558	rBV7	2622	4804	1.05%	0.180%

Sum of corrected areas: 2662056

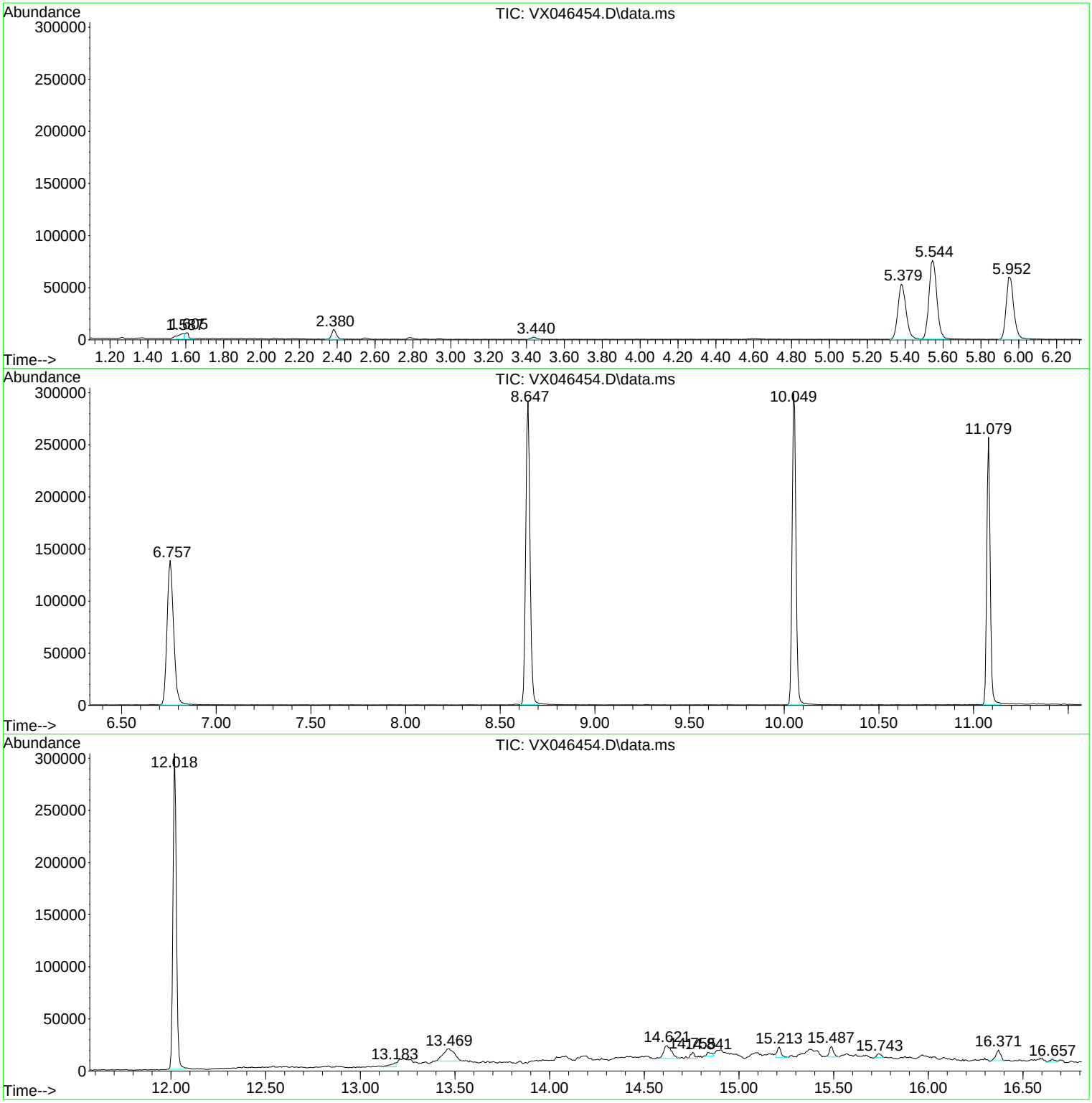
Sample Results: **VX046454.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

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\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

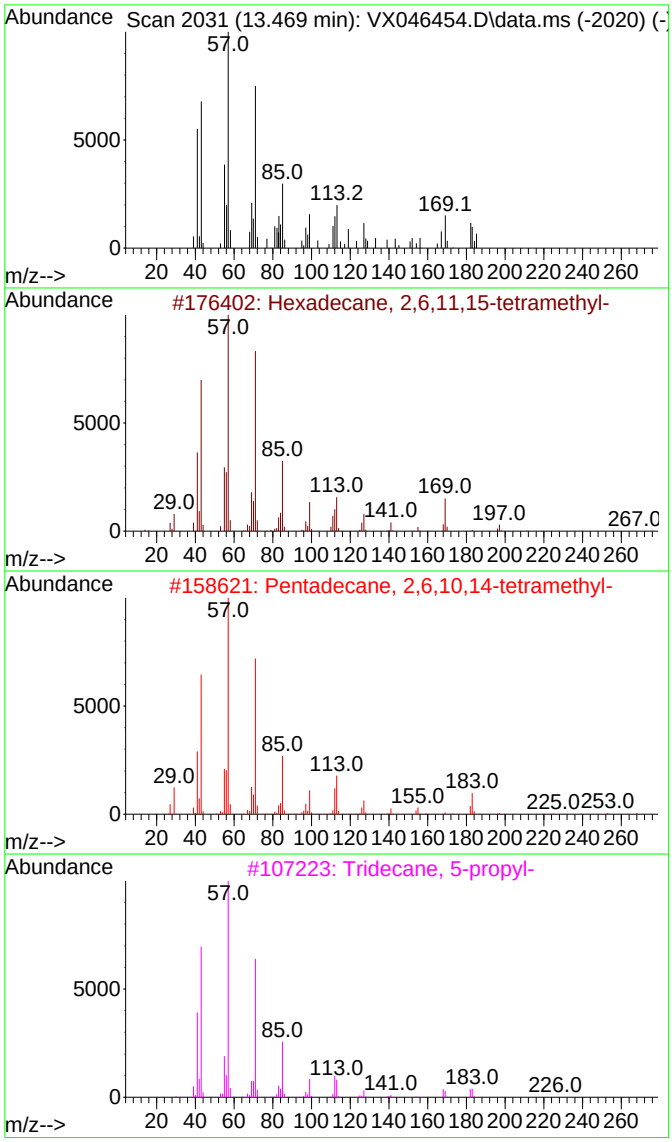
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260

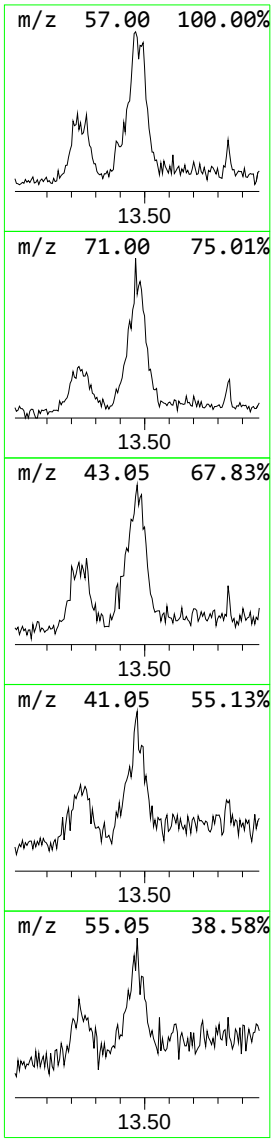
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Hexadecane, 2,6,11,15-tetra... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	6.50 ug/l	49228	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	80
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80
3	Tridecane, 5-propyl-	226	C16H34	055045-11-9	72
4	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	72
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046454.D
Acq On : 02 Jun 2025 19:06
Operator : JC/MD
Sample : Q2177-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB05312025

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Hexadecane, 2,6...	13.469	6.5	ug/l	49228	4	12.018	378888	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Time: Jun 03 01:30:41 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	5.544	168	60024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	122332	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	49224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62292	55.666	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.340%			
35) Dibromofluoromethane	5.379	113	45512	51.664	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.320%			
50) Toluene-d8	8.647	98	152857	50.134	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.260%			
62) 4-Bromofluorobenzene	11.079	95	60133	51.416	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.840%			

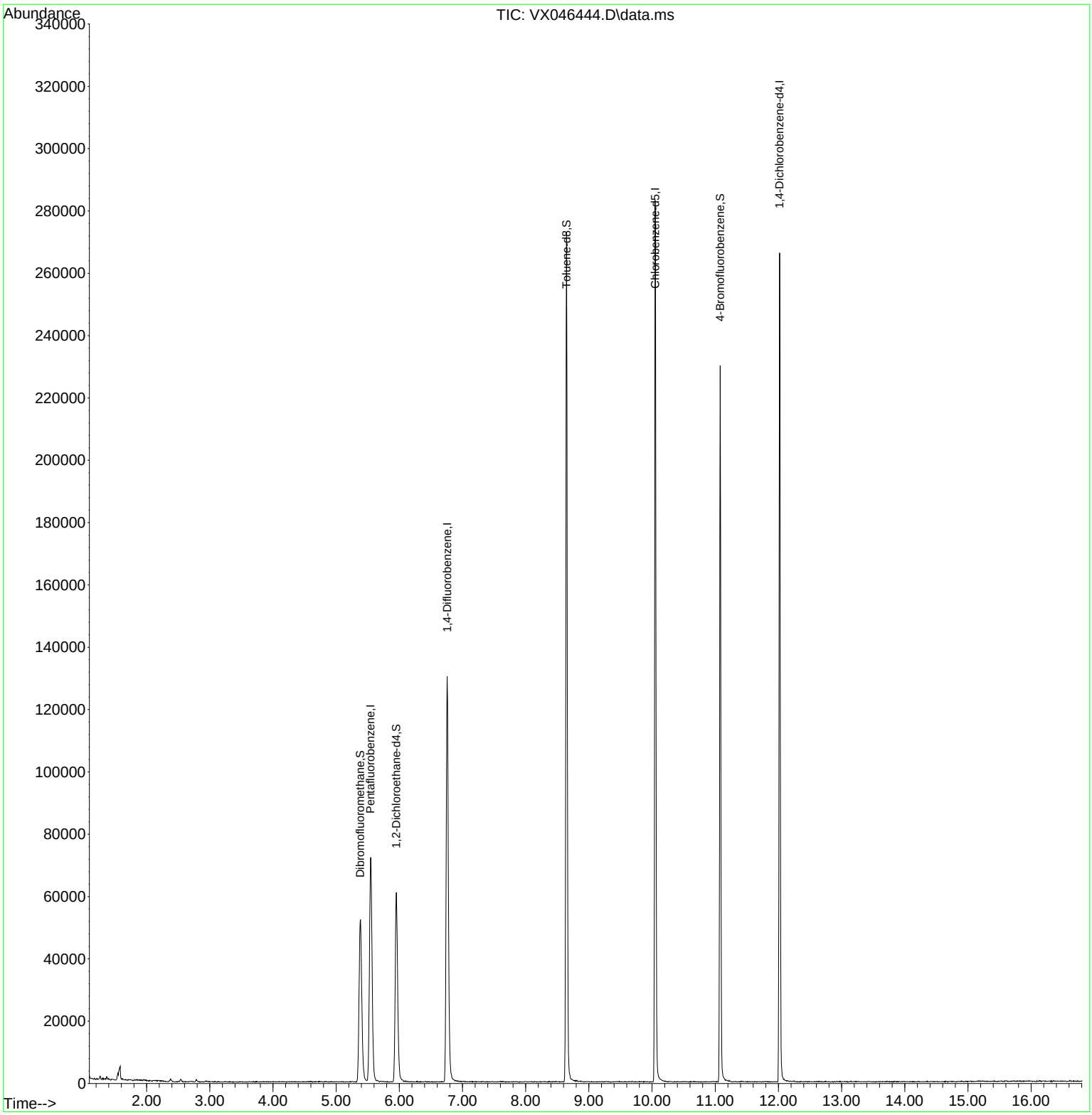
Target Compounds Qvalue

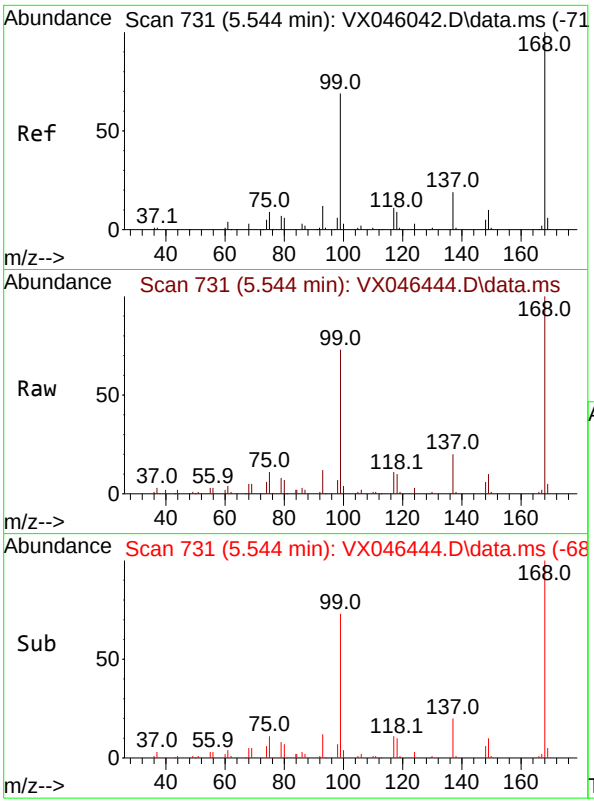
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Quant Time: Jun 03 01:30:41 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



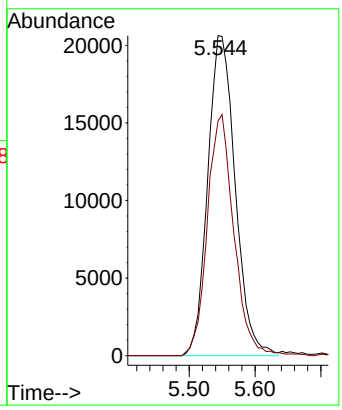


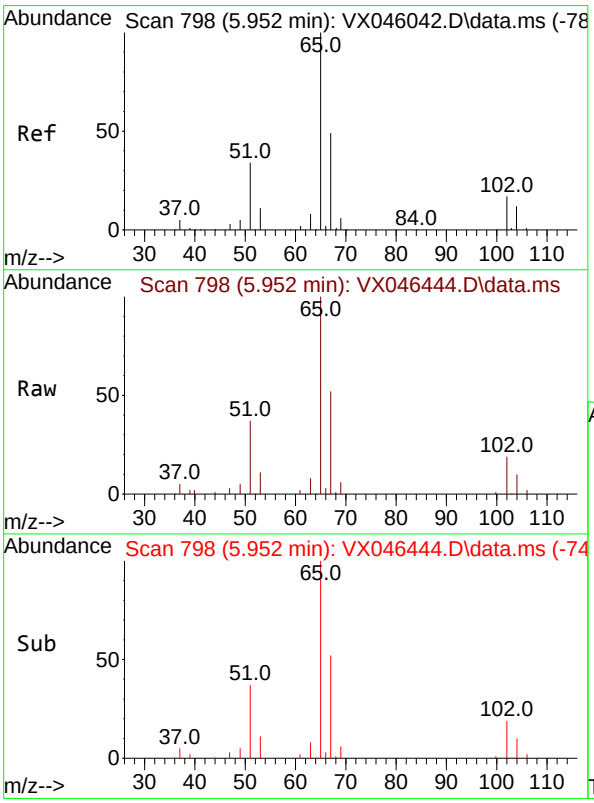
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion:168 Resp: 60024

Ion	Ratio	Lower	Upper
168	100		
99	73.3	54.9	82.3

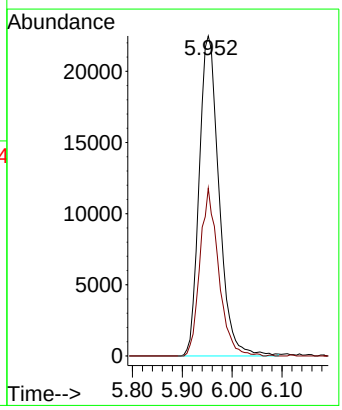


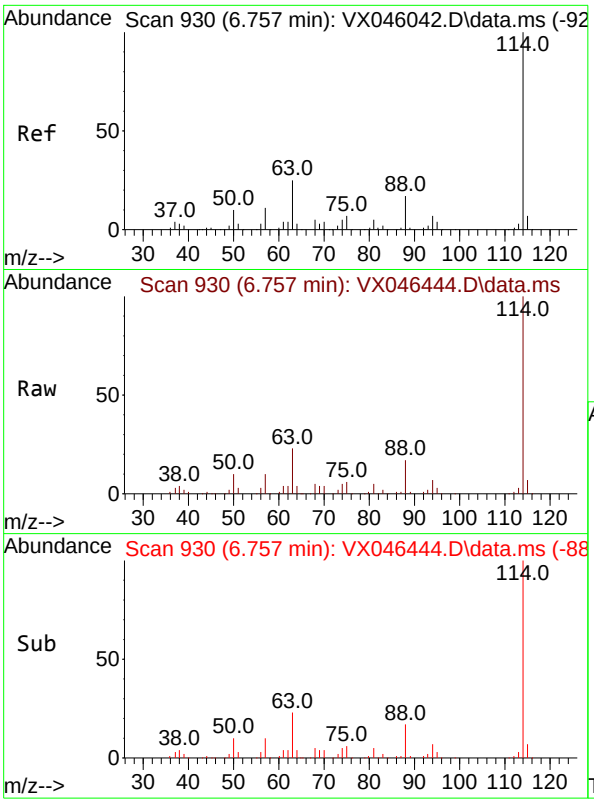


#33
1,2-Dichloroethane-d4
Concen: 55.666 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion: 65 Resp: 62292

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	99.0



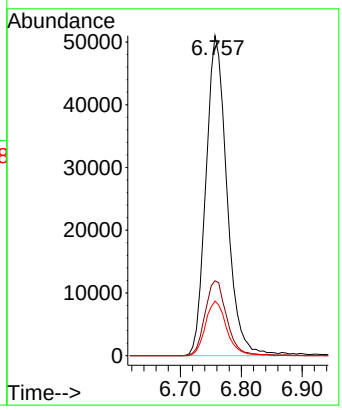


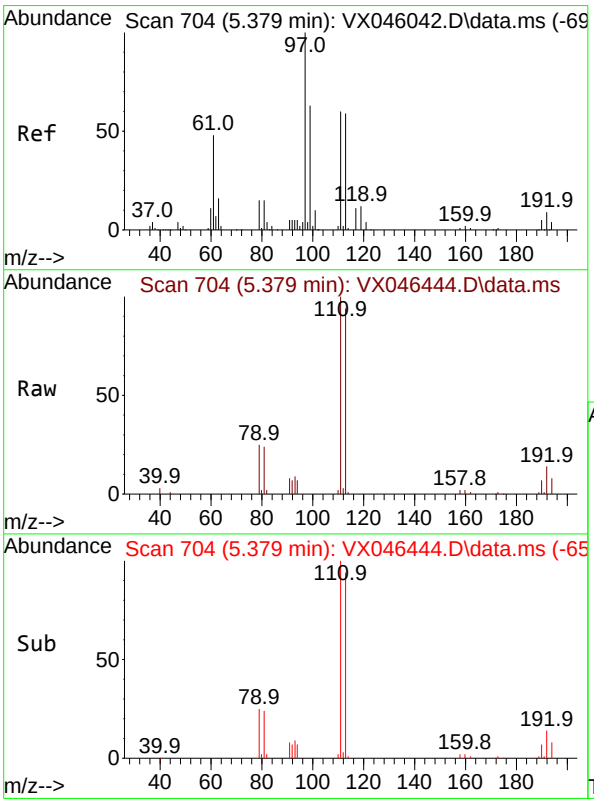
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion:114 Resp: 122332

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	49.2
88	17.1	0.0	33.6

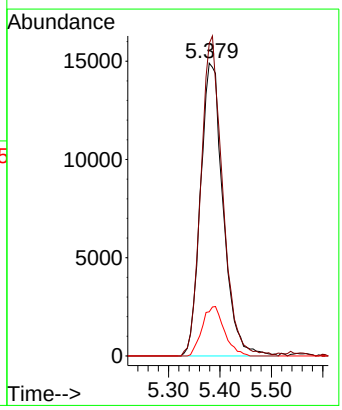


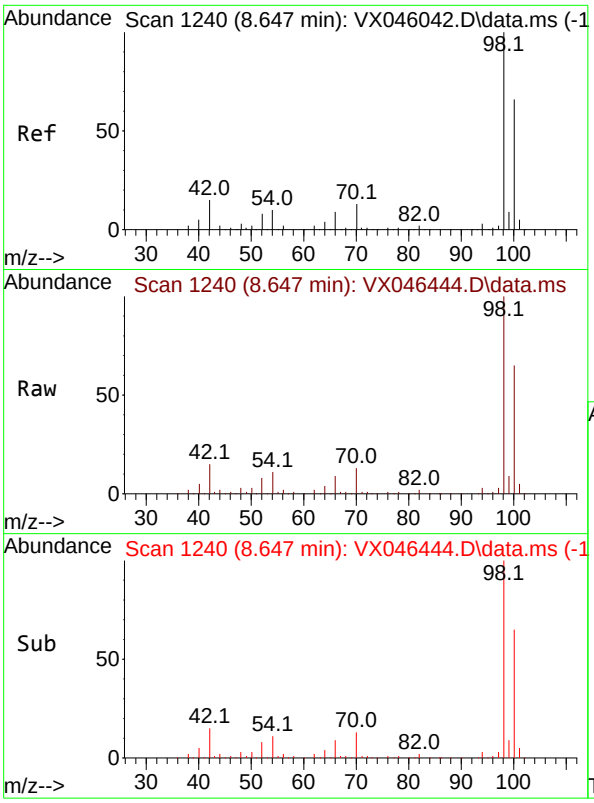


#35
Dibromofluoromethane
Concen: 51.664 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion:113 Resp: 45512

Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.1	124.7
192	16.6	13.3	19.9



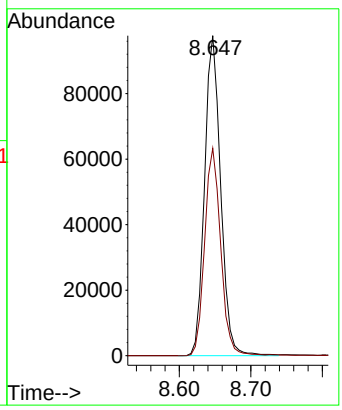


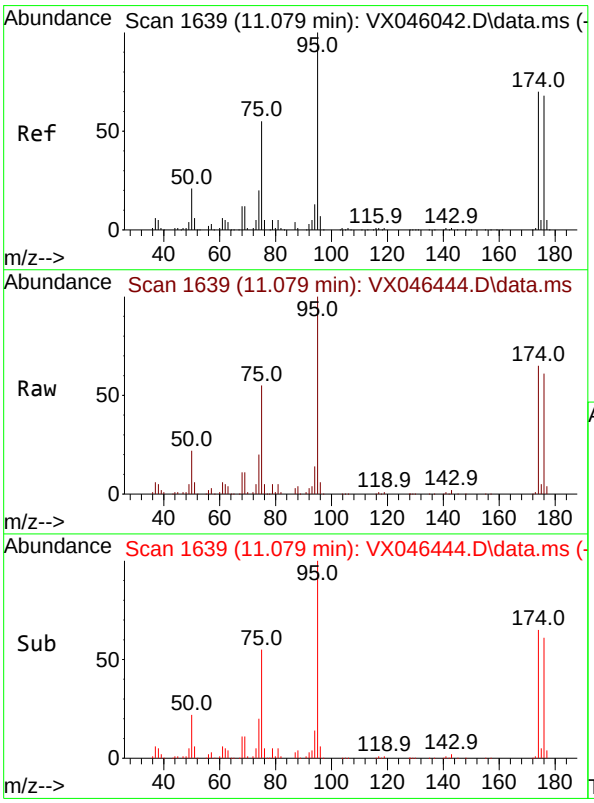
#50
Toluene-d8
Concen: 50.134 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion: 98 Resp: 152857

Ion	Ratio	Lower	Upper
98	100		
100	64.5	53.5	80.3

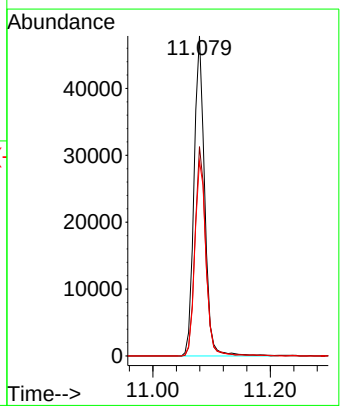


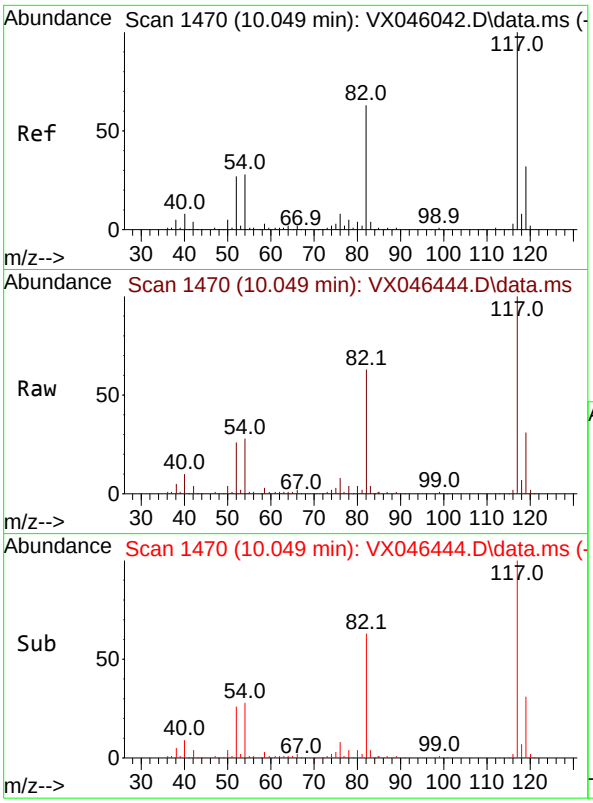


#62
4-Bromofluorobenzene
Concen: 51.416 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion: 95 Resp: 60133

Ion	Ratio	Lower	Upper
95	100		
174	66.0	0.0	135.8
176	63.7	0.0	131.4



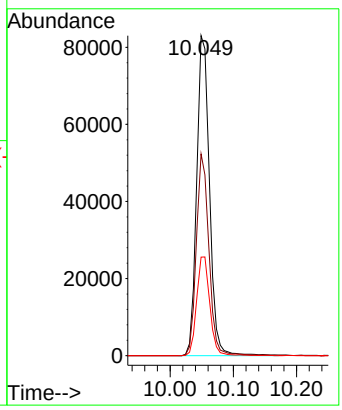


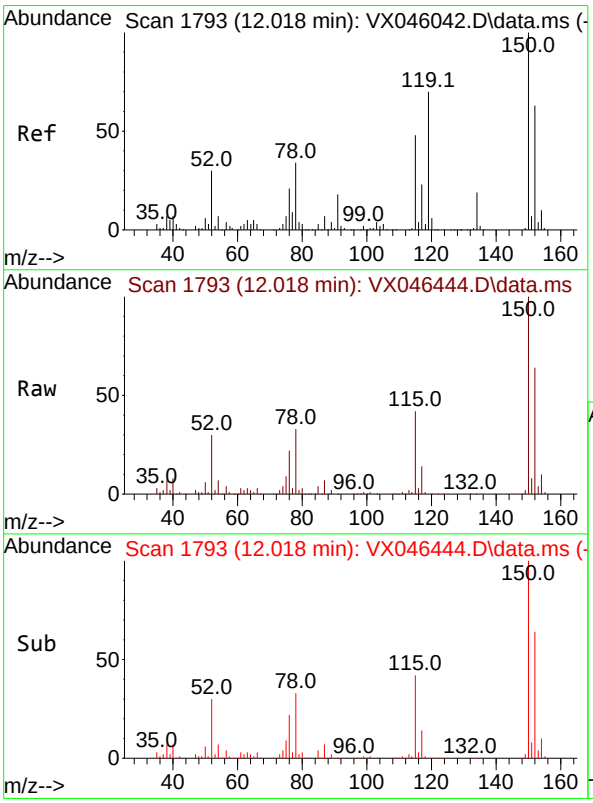
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

Tgt Ion:117 Resp: 117285

Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.6	76.0
119	30.8	25.8	38.6

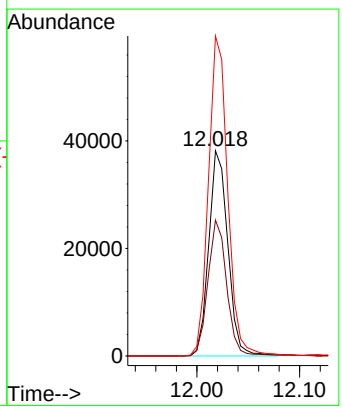




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046444.D
Acq: 02 Jun 2025 14:47

Tgt Ion:152 Resp: 49224

Ion	Ratio	Lower	Upper
152	100		
115	65.5	46.9	140.7
150	157.2	0.0	351.0



Sample Results: **VX046444.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

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: VX046444.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.581	76	81	85	rVB4	4182	6832	1.58%	0.297%
2	5.385	695	705	722	rBV2	52089	155617	36.10%	6.767%
3	5.550	722	732	745	rVV	71622	202319	46.93%	8.798%
4	5.952	788	798	817	rBV	60779	162795	37.76%	7.080%
5	6.757	921	930	950	rBV	130097	314504	72.95%	13.677%
6	8.647	1233	1240	1252	rBV	272823	431100	100.00%	18.748%
7	10.049	1465	1470	1494	rBV	282853	397135	92.12%	17.271%
8	11.079	1634	1639	1652	rBV	229882	291495	67.62%	12.677%
9	12.018	1788	1793	1804	rBV	266070	337688	78.33%	14.685%

Sum of corrected areas: 2299485

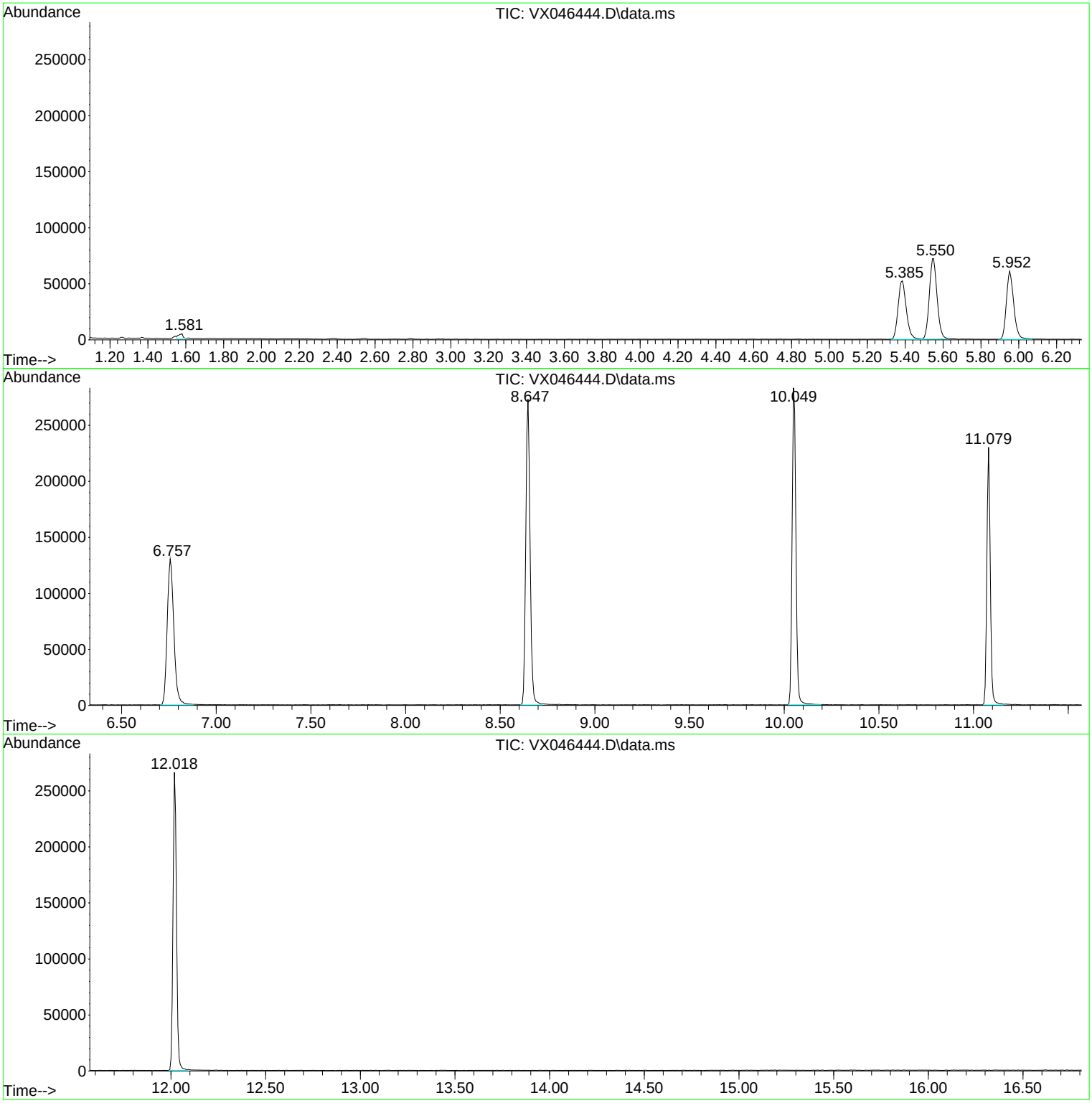
Sample Results: **VX046444.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

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\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046444.D
Acq On : 02 Jun 2025 14:47
Operator : JC/MD
Sample : Q2177-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB05312025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Time: Jun 03 01:26:04 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	5.544	168	66983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	131566	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	51823	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67353	53.935	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.880%			
35) Dibromofluoromethane	5.379	113	48903	51.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	8.647	98	166762	50.856	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.720%			
62) 4-Bromofluorobenzene	11.079	95	63842	50.756	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.520%			

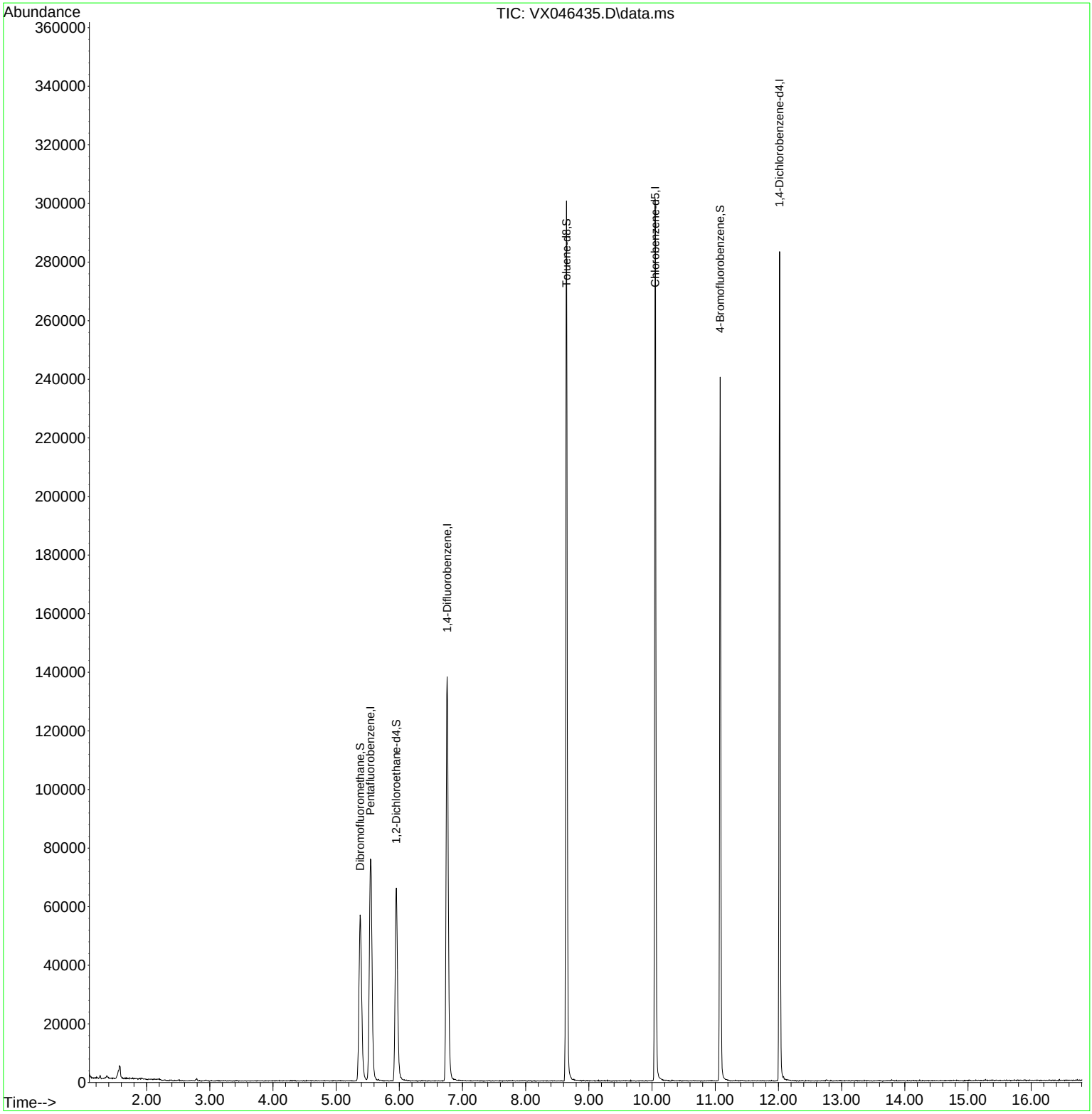
Target Compounds Qvalue

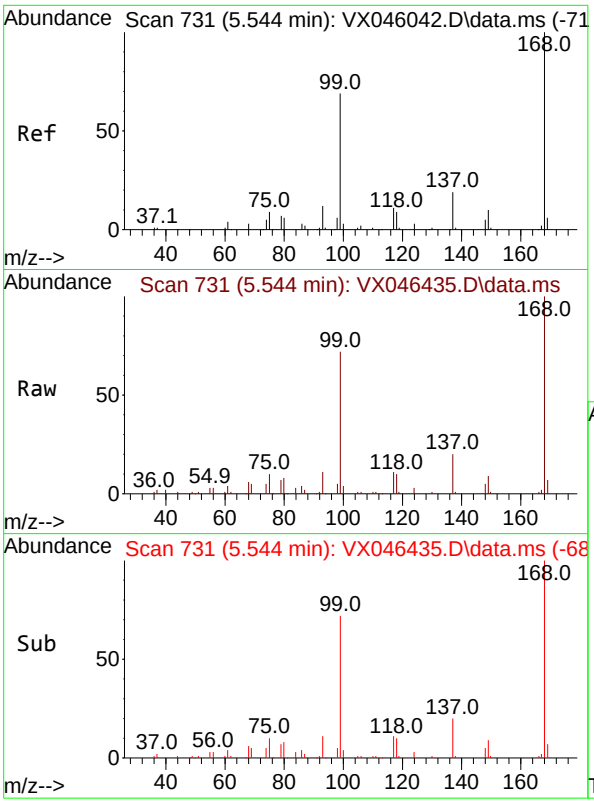
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Quant Time: Jun 03 01:26:04 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



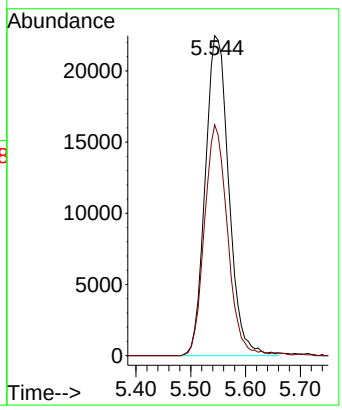


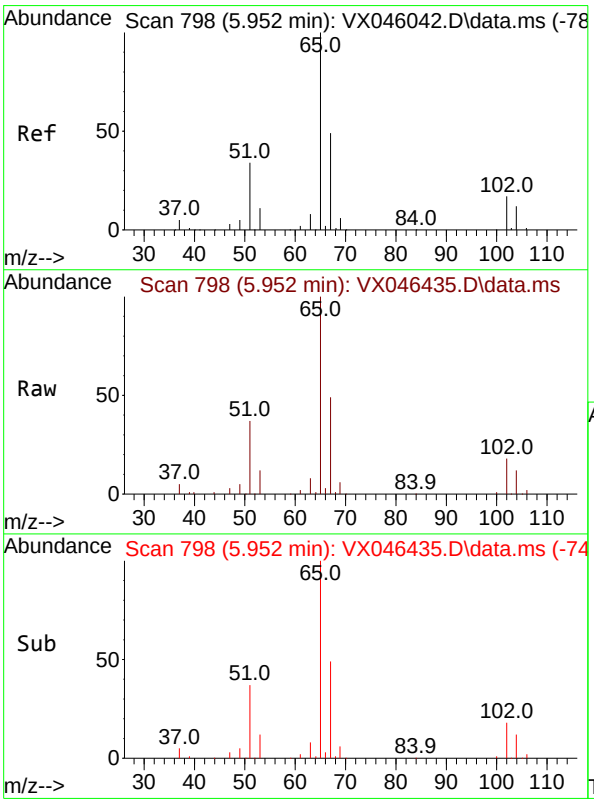
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion:168 Resp: 66983

Ion	Ratio	Lower	Upper
168	100		
99	72.2	54.9	82.3

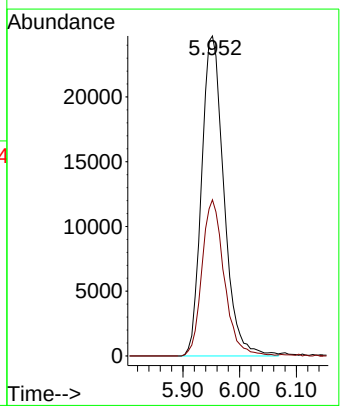


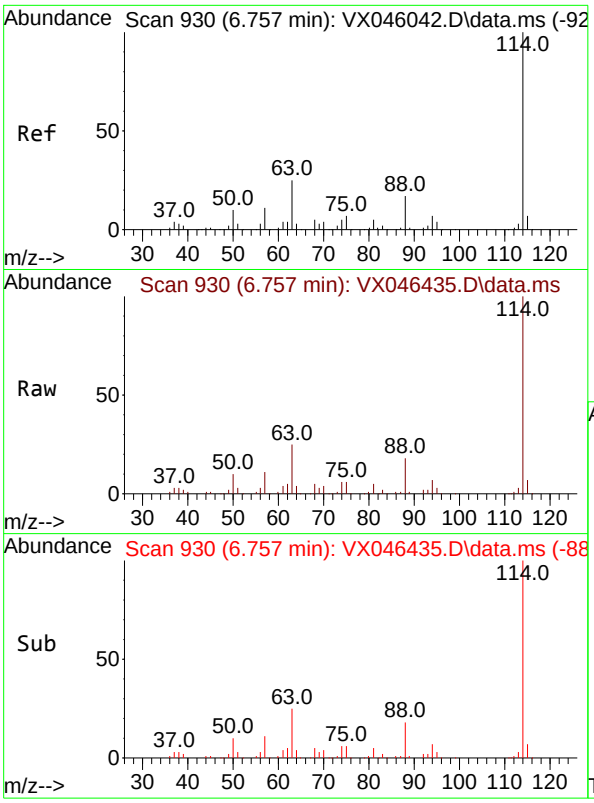


#33
1,2-Dichloroethane-d4
Concen: 53.935 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion: 65 Resp: 67353

Ion	Ratio	Lower	Upper
65	100		
67	48.7	0.0	99.0



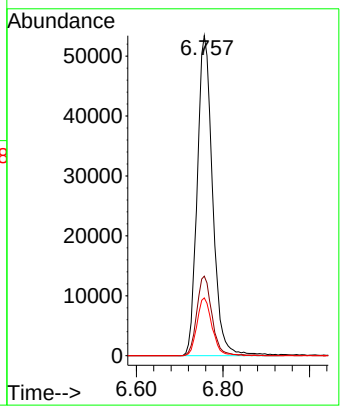


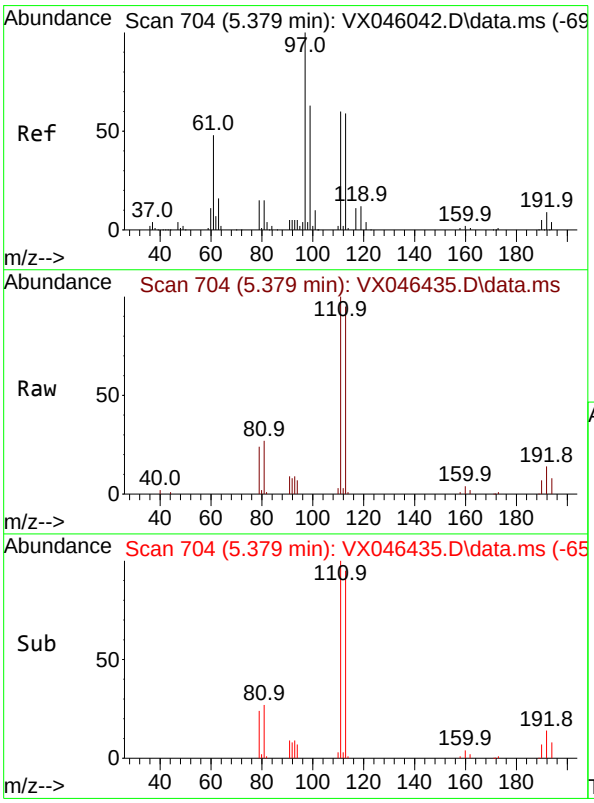
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion:114 Resp: 131566

Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	49.2
88	18.0	0.0	33.6

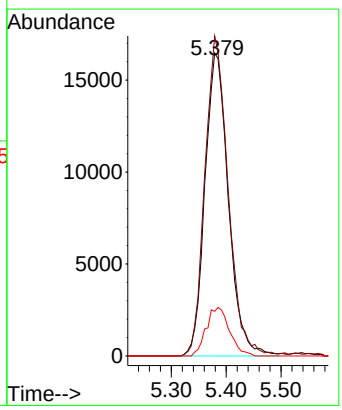


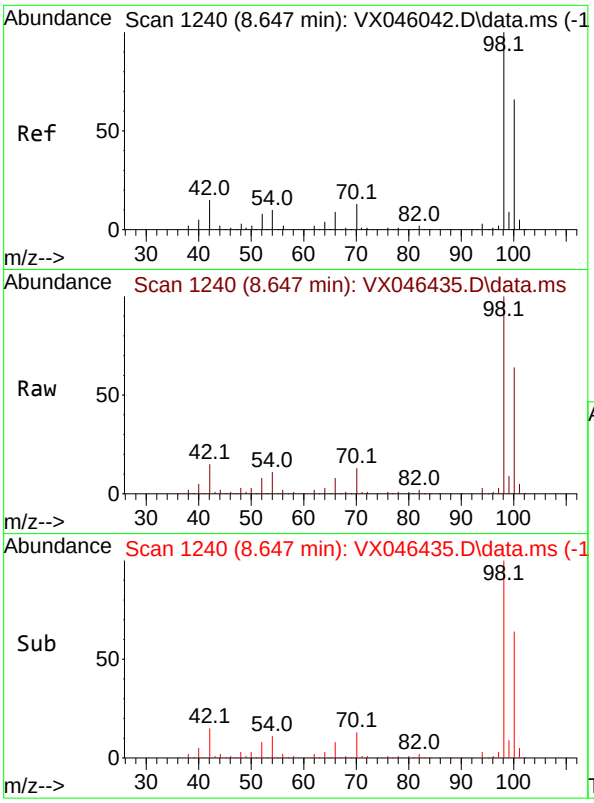


#35
Dibromofluoromethane
Concen: 51.617 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion:113 Resp: 48903

Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.1	124.7
192	15.9	13.3	19.9



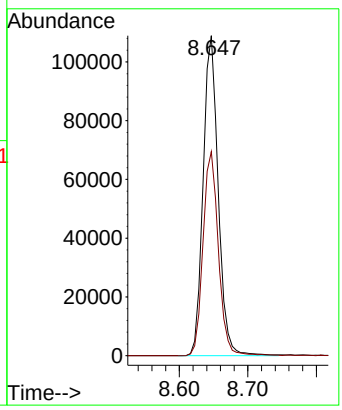


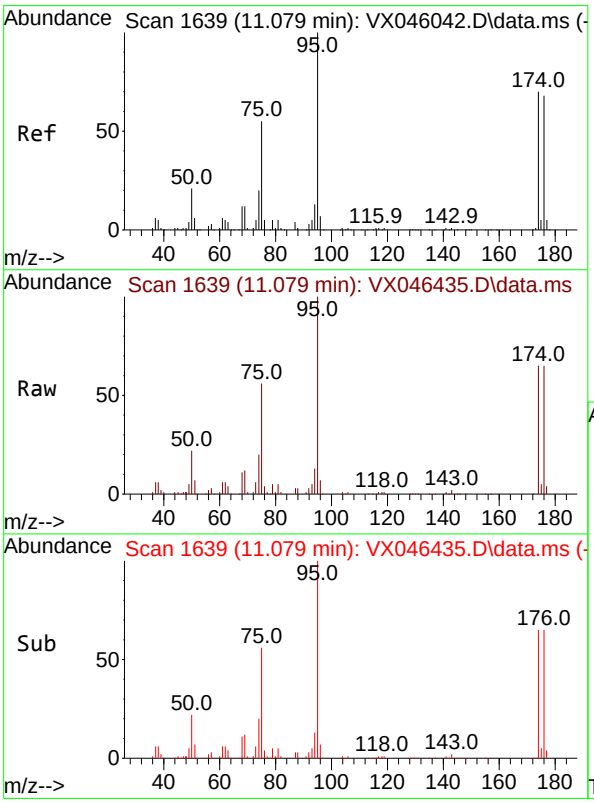
#50
Toluene-d8
Concen: 50.856 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion: 98 Resp: 166762

Ion	Ratio	Lower	Upper
98	100		
100	65.0	53.5	80.3

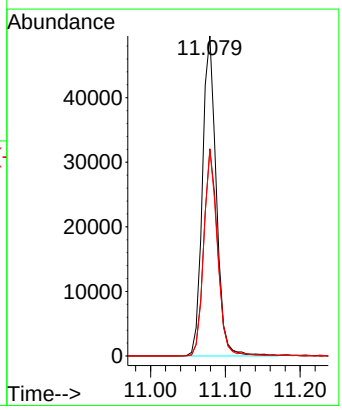


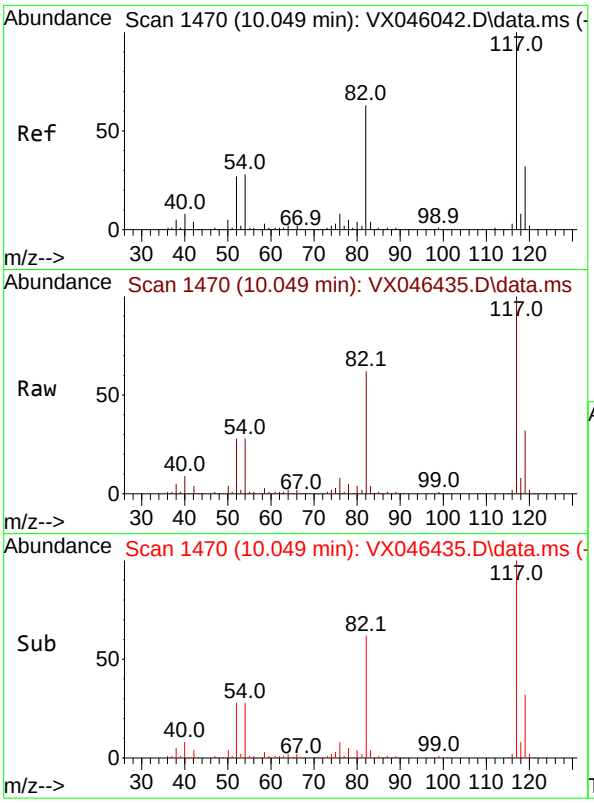


#62
4-Bromofluorobenzene
Concen: 50.756 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion: 95 Resp: 63842

Ion	Ratio	Lower	Upper
95	100		
174	65.0	0.0	135.8
176	63.5	0.0	131.4



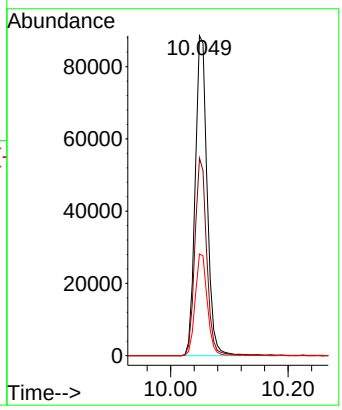


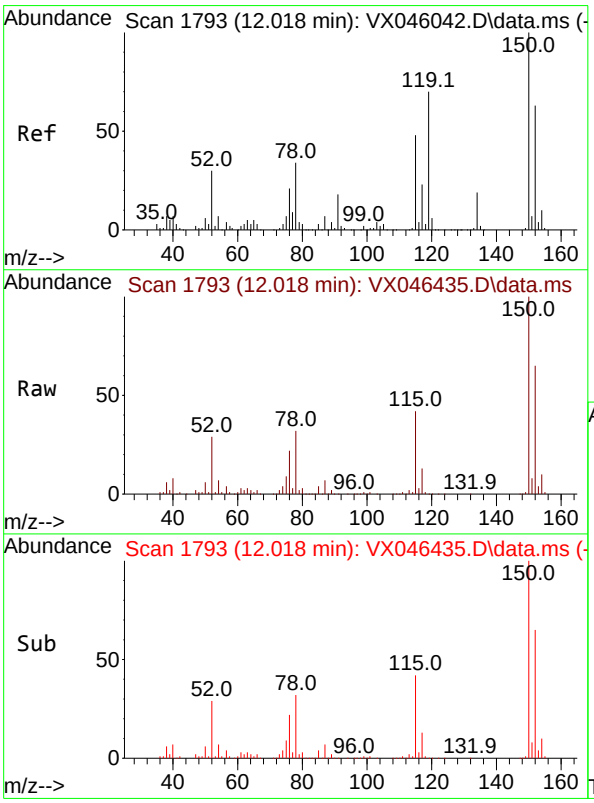
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

Tgt Ion:117 Resp: 125222

Ion	Ratio	Lower	Upper
117	100		
82	61.7	50.6	76.0
119	31.8	25.8	38.6

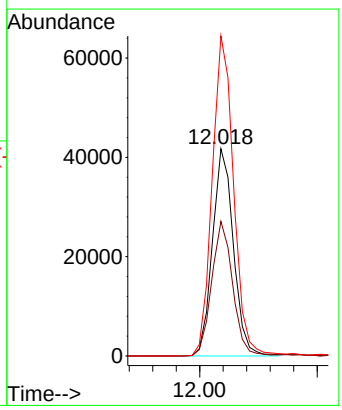




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046435.D
Acq: 02 Jun 2025 11:14

Tgt Ion:152 Resp: 51823

Ion	Ratio	Lower	Upper
152	100		
115	65.6	46.9	140.7
150	158.1	0.0	351.0



Sample Results: **VX046435.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

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: VX046435.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.569	70	79	89	rVB4	4419	11721	2.49%	0.475%
2	5.379	694	704	721	rBV2	56697	167416	35.57%	6.784%
3	5.544	721	731	748	rVB2	75422	224586	47.72%	9.101%
4	5.952	789	798	809	rBV	65914	174073	36.99%	7.054%
5	6.757	921	930	943	rBV	137900	335539	71.30%	13.597%
6	8.647	1233	1240	1257	rBV	300448	470614	100.00%	19.071%
7	10.049	1465	1470	1489	rBV	300854	422138	89.70%	17.106%
8	11.079	1634	1639	1653	rBV	240111	308193	65.49%	12.489%
9	12.018	1788	1793	1802	rBV	283015	353466	75.11%	14.323%

Sum of corrected areas: 2467746

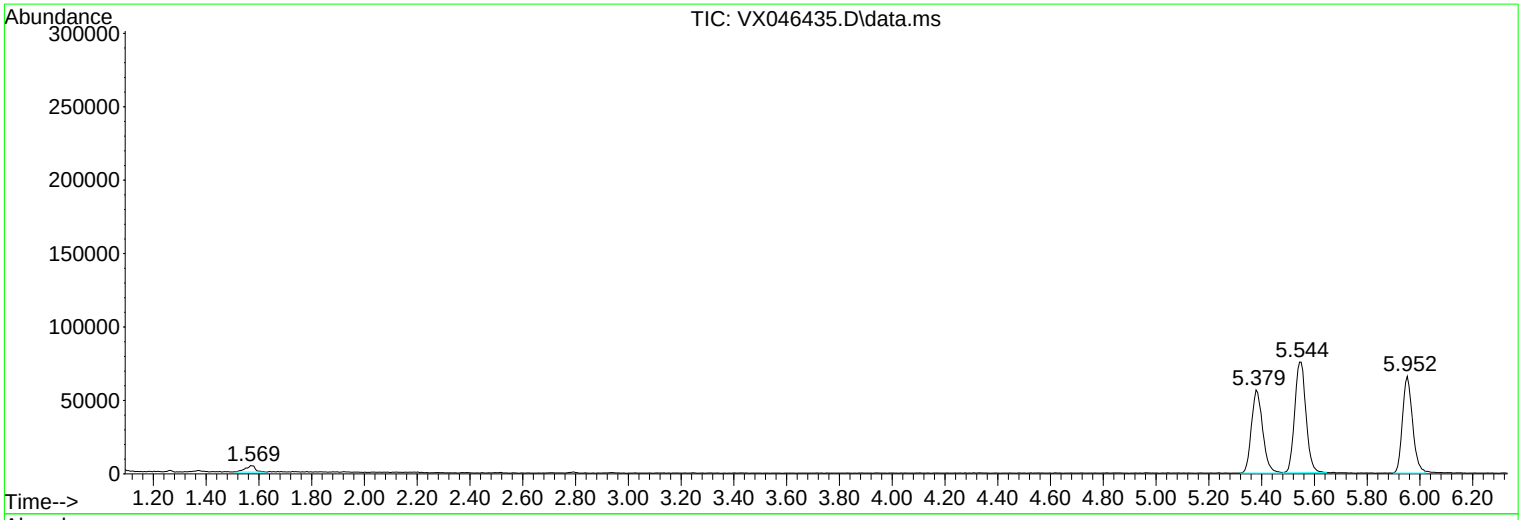
Sample Results: **VX046435.D**

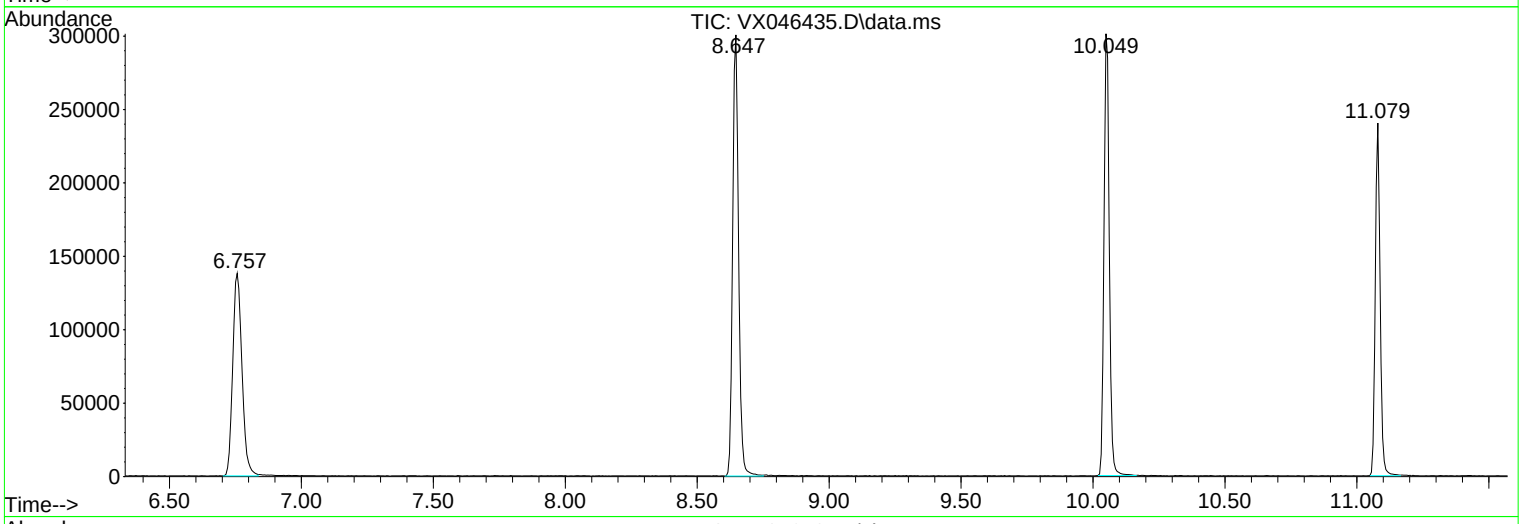
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

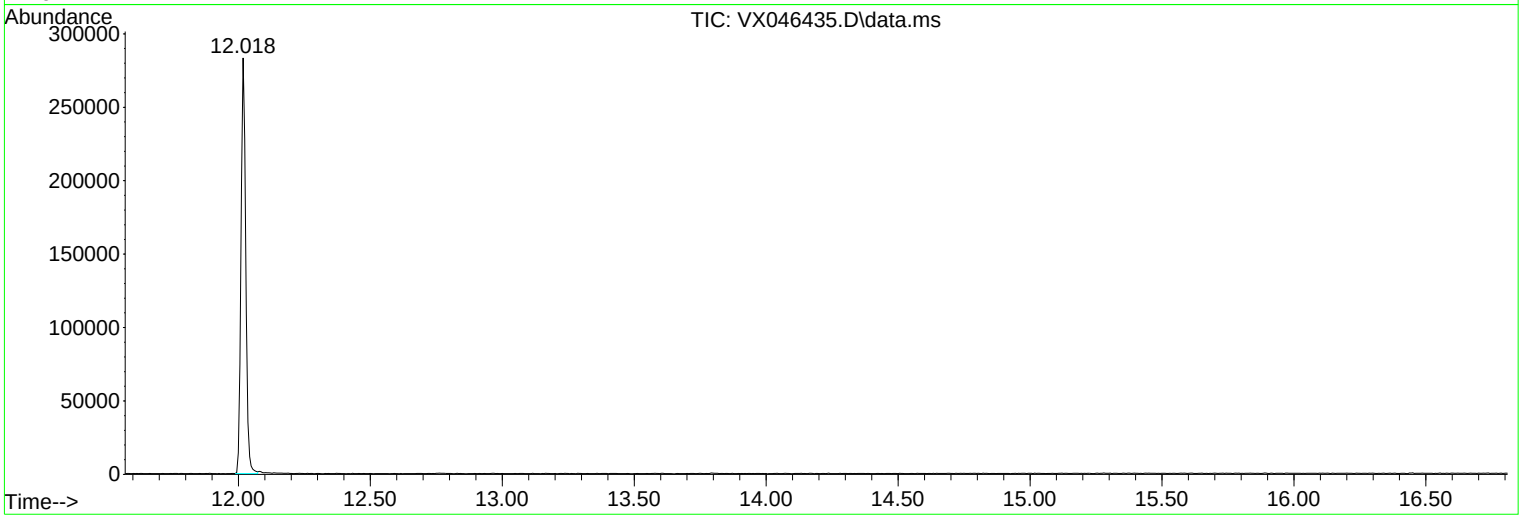
Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

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







Sample Results: **VX046435.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046435.D
Acq On : 02 Jun 2025 11:14
Operator : JC/MD
Sample : VX0602WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0602WBL01

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\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Time: Jun 04 04:08:54 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	7.713	168	287398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	534399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	428748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	155262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171949	53.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.980%			
35) Dibromofluoromethane	7.640	113	162497	50.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.880%			
50) Toluene-d8	10.109	98	643614	49.937	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.408	95	161263	41.994	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 83.980%			

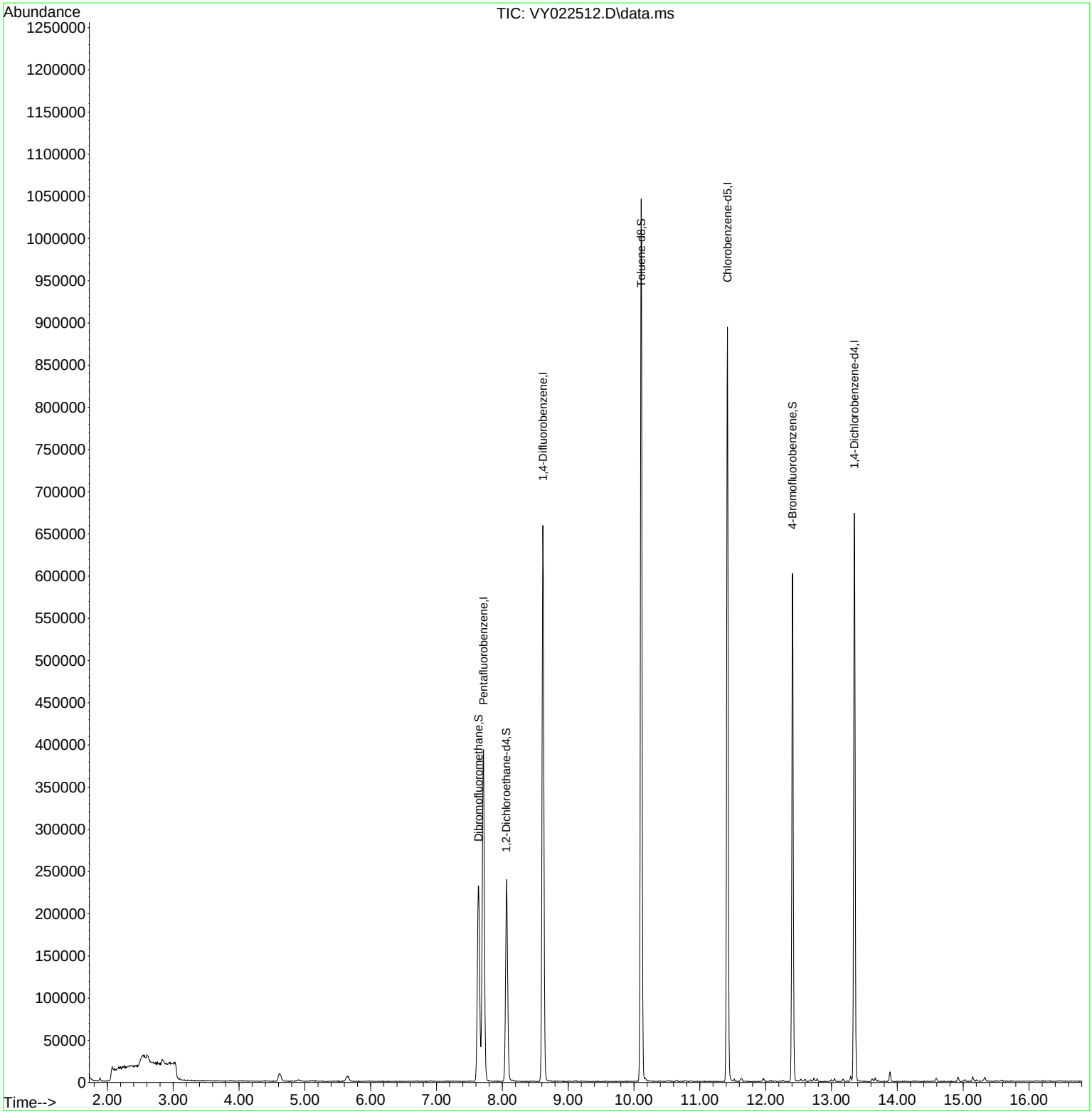
Target Compounds Qvalue

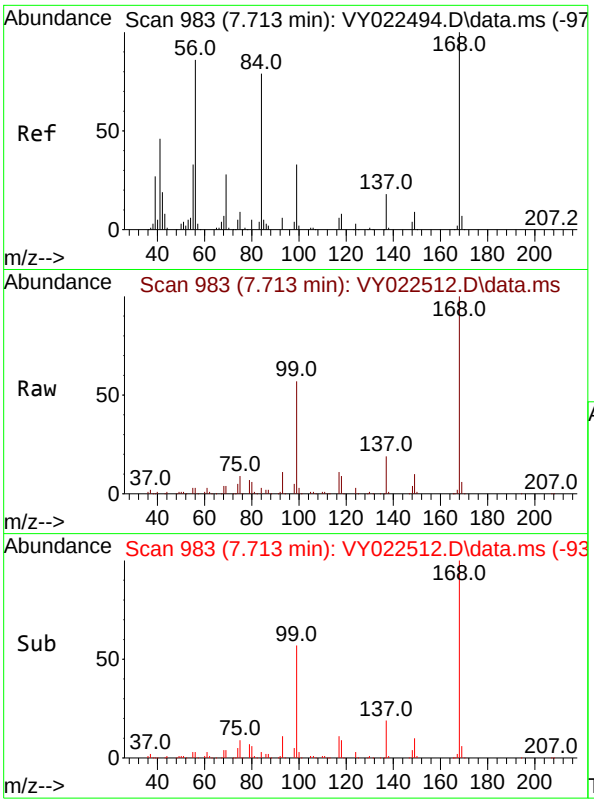
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Quant Time: Jun 04 04:08:54 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



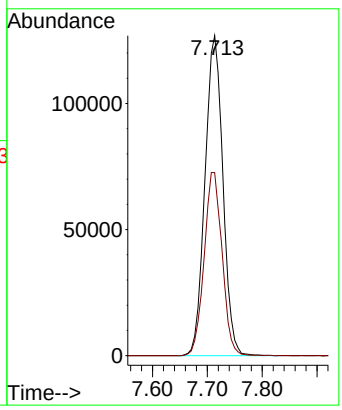


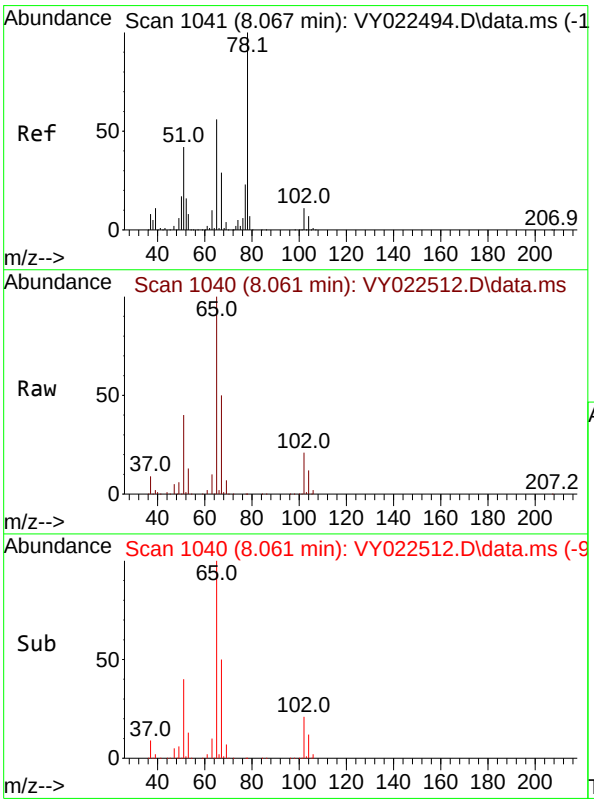
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:168 Resp: 287398

Ion	Ratio	Lower	Upper
168	100		
99	57.2	44.3	66.5

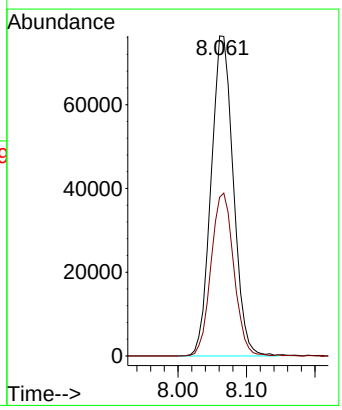


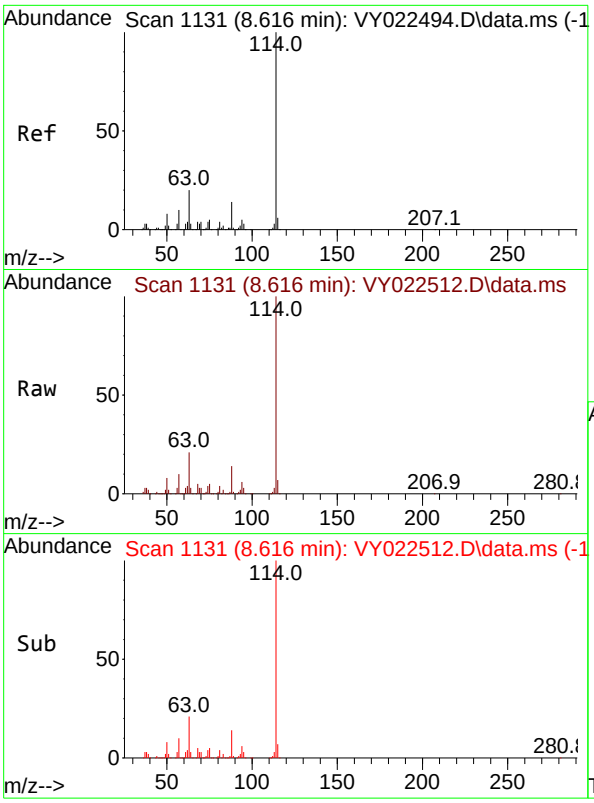


#33
1,2-Dichloroethane-d4
Concen: 53.494 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion: 65 Resp: 171949

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



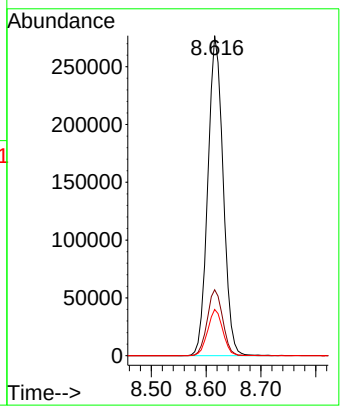


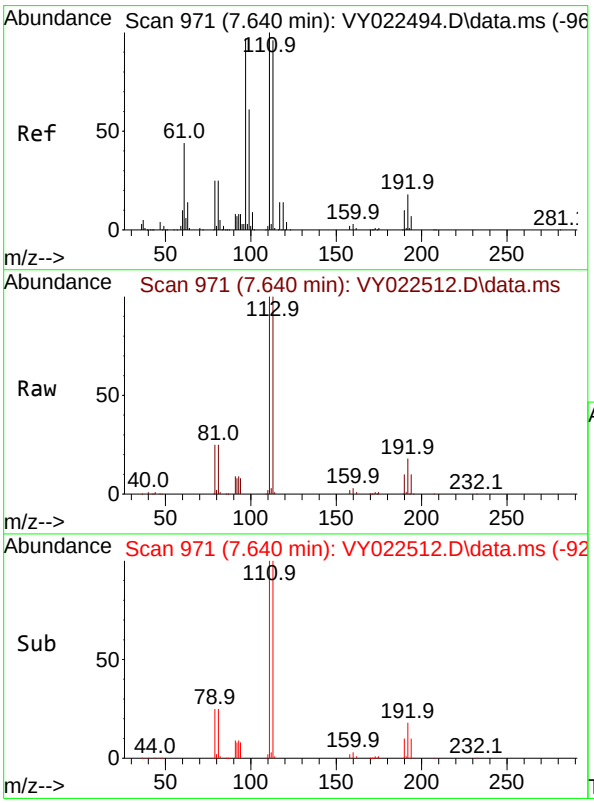
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:114 Resp: 534399

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.4	0.0	27.8

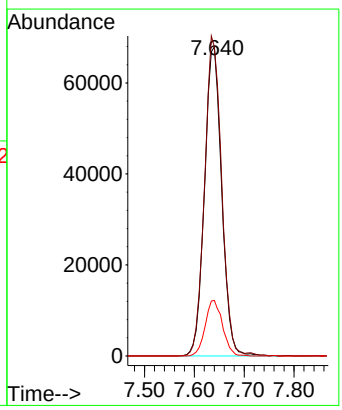


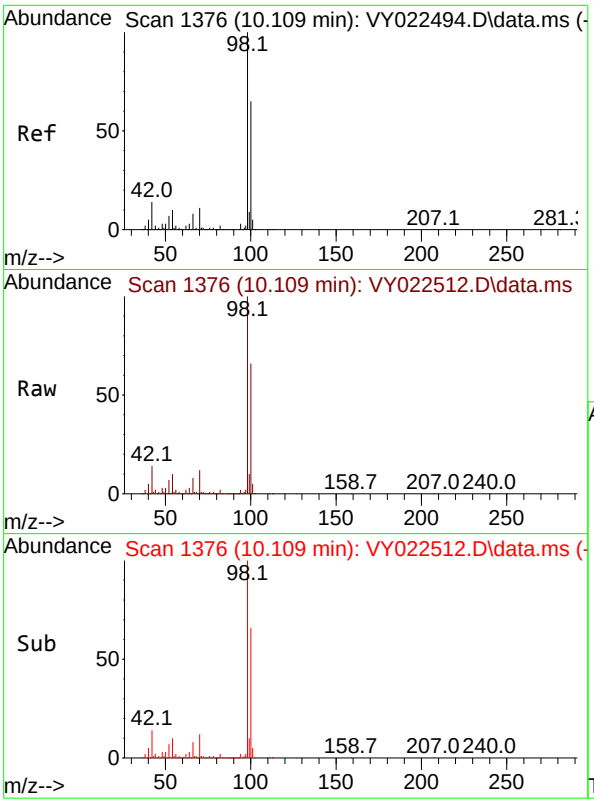


#35
Dibromofluoromethane
Concen: 50.944 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion:113 Resp: 162497

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.1	121.7
192	18.1	14.2	21.2



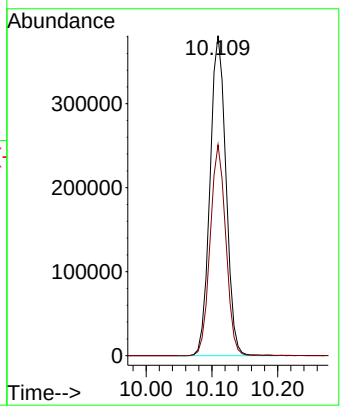


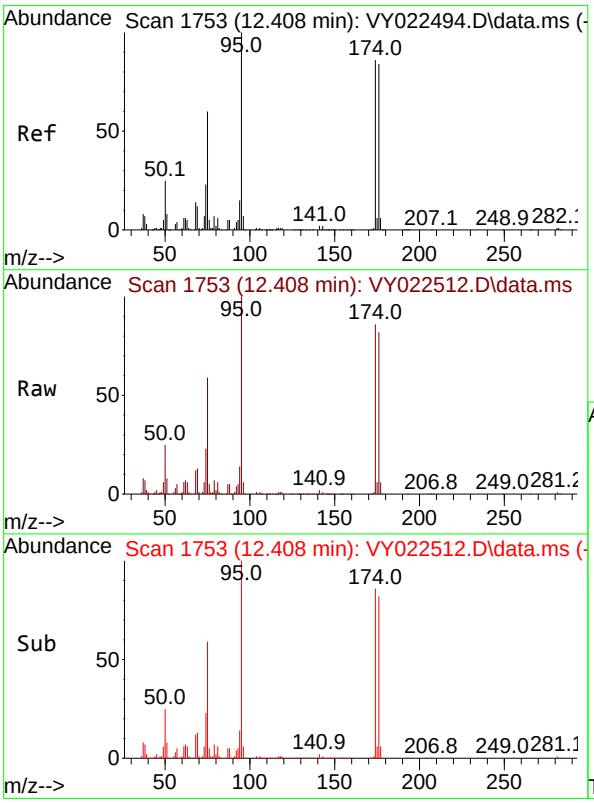
#50
Toluene-d8
Concen: 49.937 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion: 98 Resp: 643614

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0

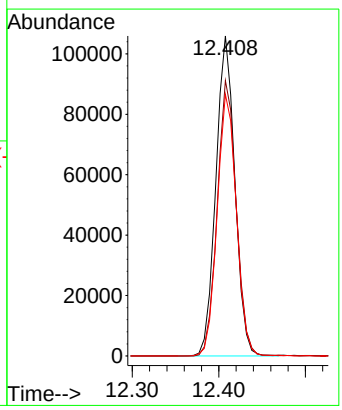


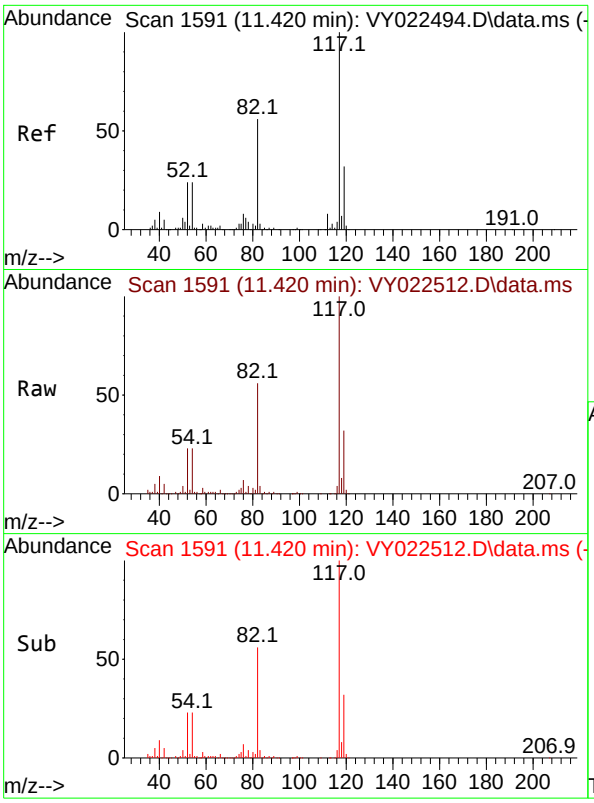


#62
4-Bromofluorobenzene
Concen: 41.994 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion: 95 Resp: 161263

Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	170.0
176	82.5	0.0	166.2



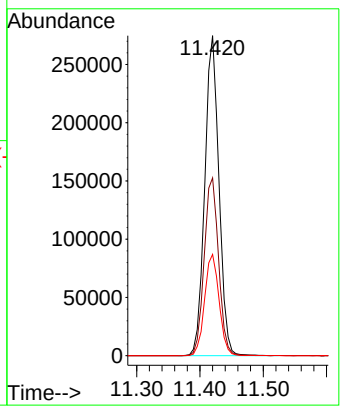


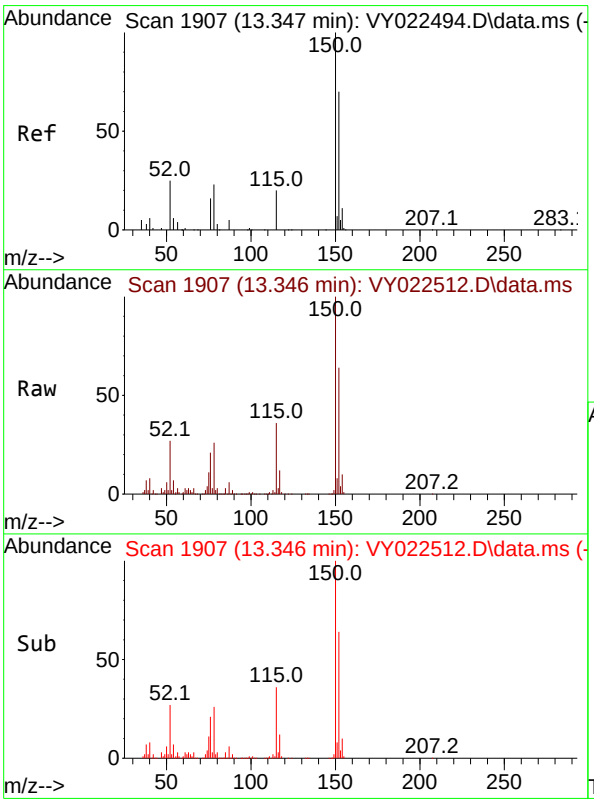
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

Tgt Ion:117 Resp: 428748

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	66.8
119	31.6	25.4	38.0

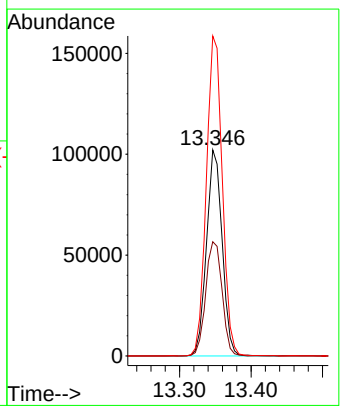




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022512.D
Acq: 03 Jun 2025 10:40

Tgt Ion:152 Resp: 155262

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.9	86.7
150	158.0	0.0	349.6



Sample Results: **VY022512.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

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: VY022512.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	61	rBV4	16308	35746	2.03%	0.419%
2	2.525	124	132	134	rBV6	11508	28540	1.62%	0.335%
3	4.616	465	475	487	rBV5	9205	28836	1.64%	0.338%
4	5.647	635	644	656	rVB5	6196	19866	1.13%	0.233%
5	7.634	960	970	976	rBV	231701	558773	31.74%	6.557%
6	7.713	976	983	993	rVB	392129	893359	50.75%	10.483%
7	8.067	1030	1041	1053	rBV	239523	514607	29.23%	6.039%
8	8.616	1122	1131	1143	rBV	658828	1278696	72.63%	15.005%
9	10.109	1367	1376	1385	rBV	1045962	1760453	100.00%	20.658%
10	11.420	1583	1591	1603	rBV	894137	1423227	80.84%	16.700%
11	12.408	1741	1753	1760	rBV	602384	930697	52.87%	10.921%
12	13.346	1901	1907	1916	rVB	672428	1031179	58.57%	12.100%
13	13.889	1990	1996	2003	rBV	11170	18100	1.03%	0.212%

Sum of corrected areas: 8522079

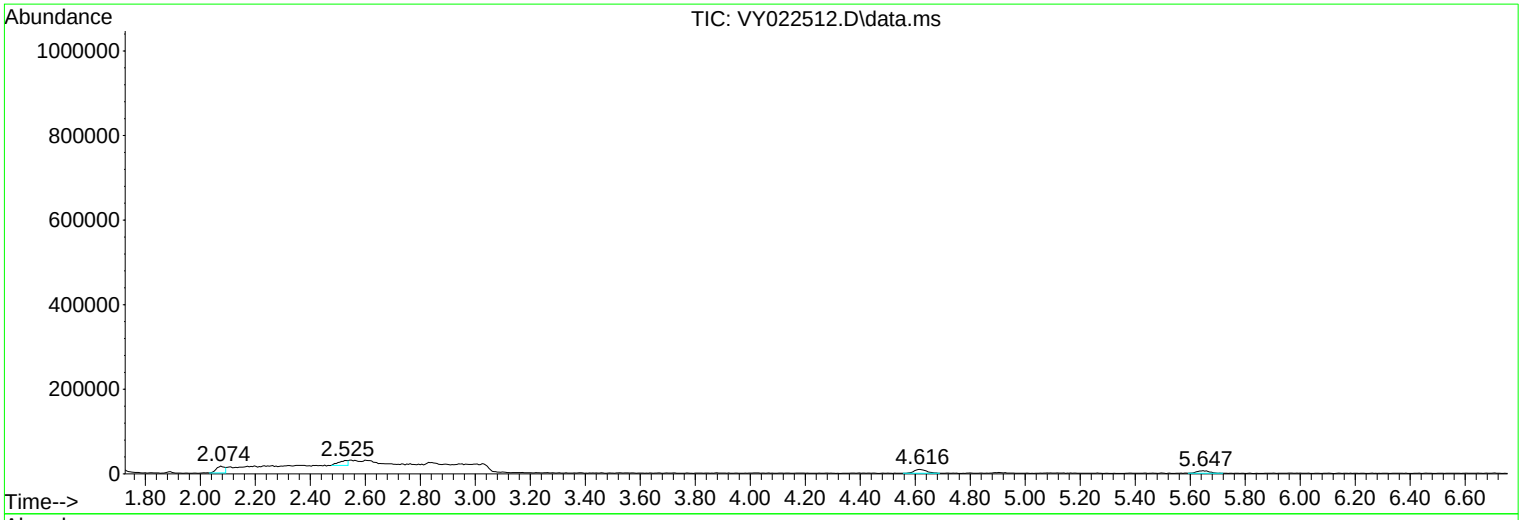
Sample Results: **VY022512.D**

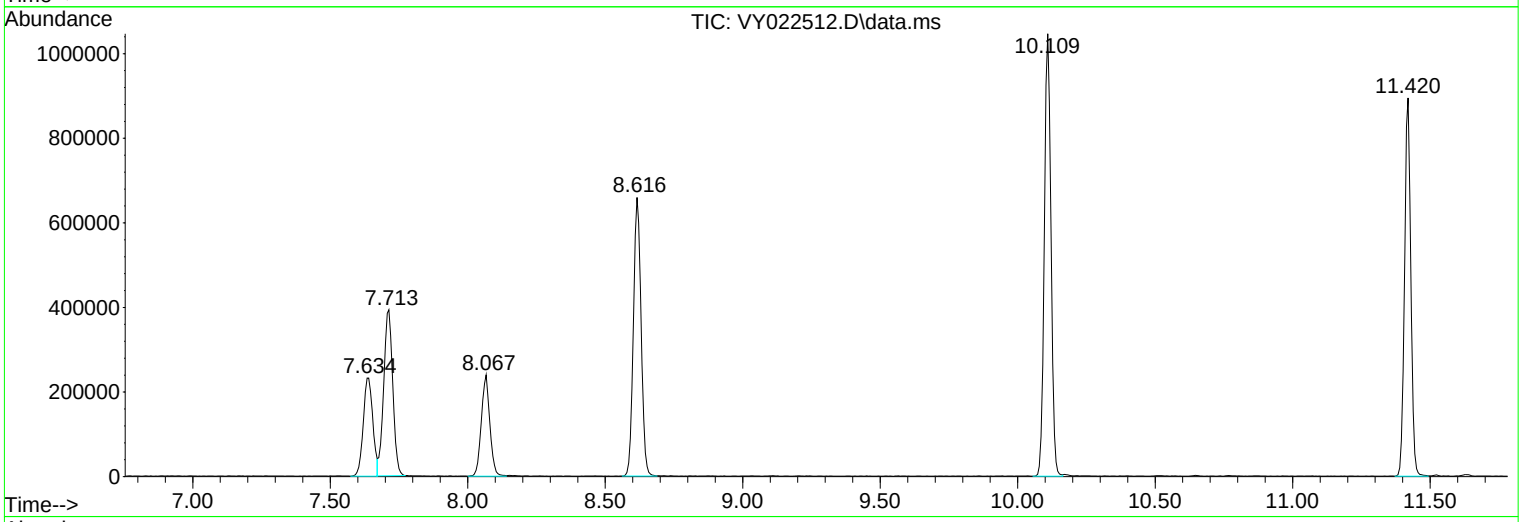
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

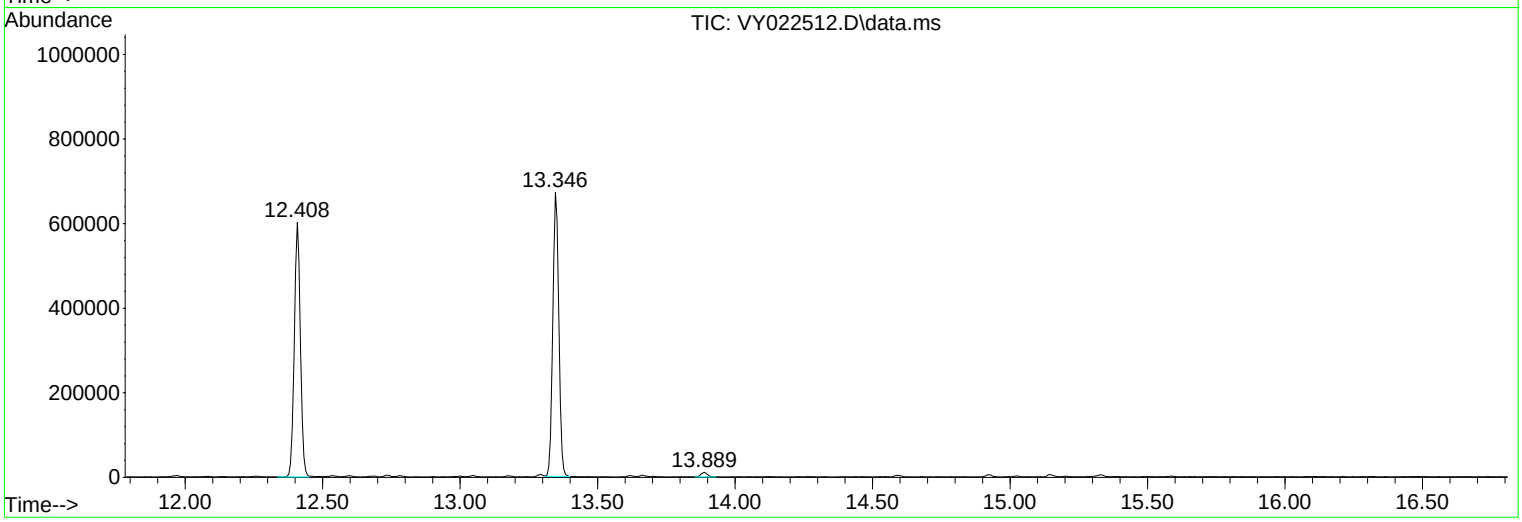
Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

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: **VY022512.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

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\VY060325\
Data File : VY022512.D
Acq On : 03 Jun 2025 10:40
Operator : SY/MD
Sample : VY0603SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0603SBL01

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_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

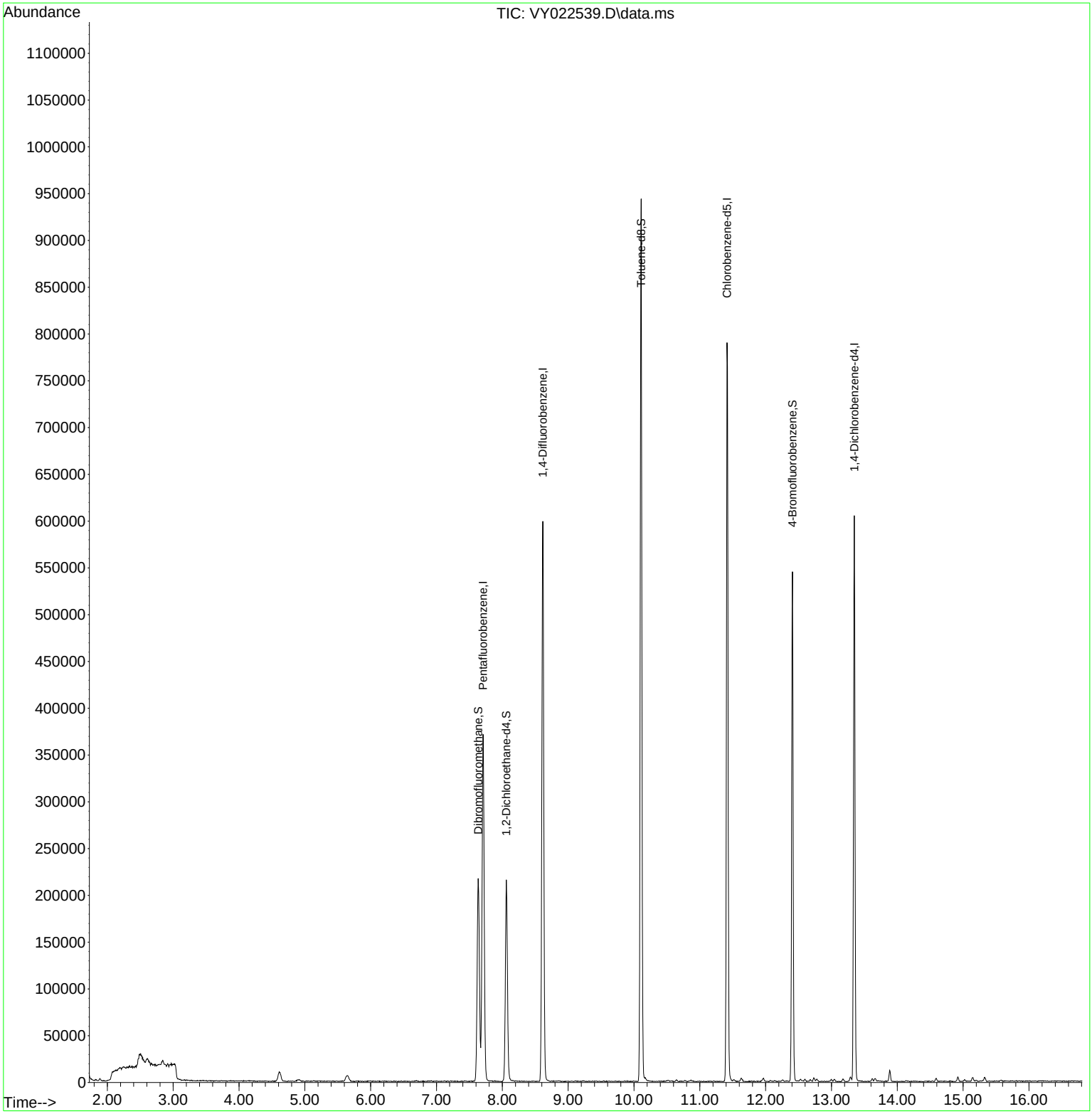
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	271205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	498185	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	390593	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	137326	50.000	ug/l	0.00
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

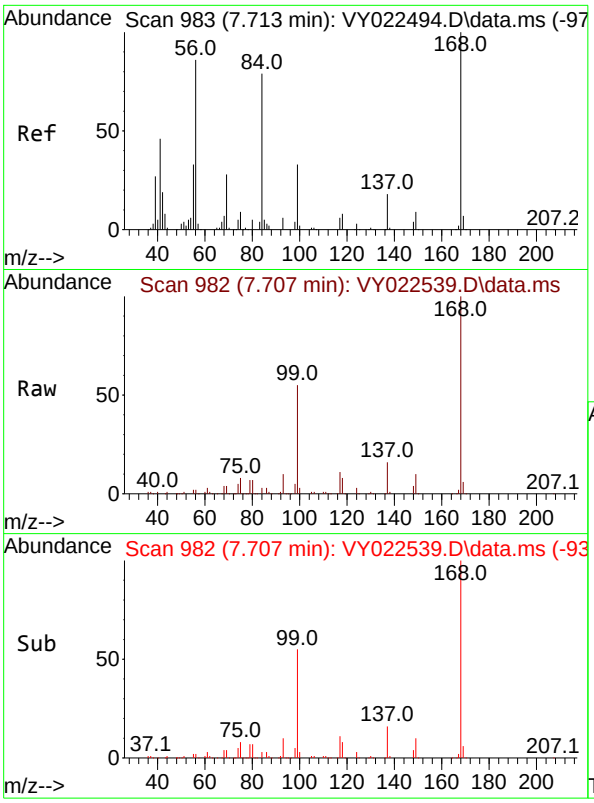
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



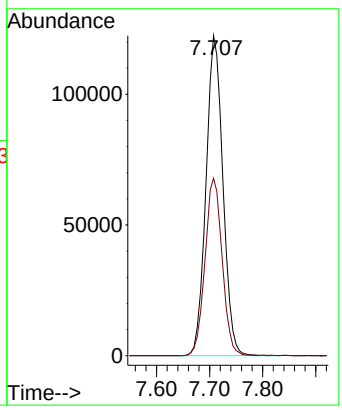


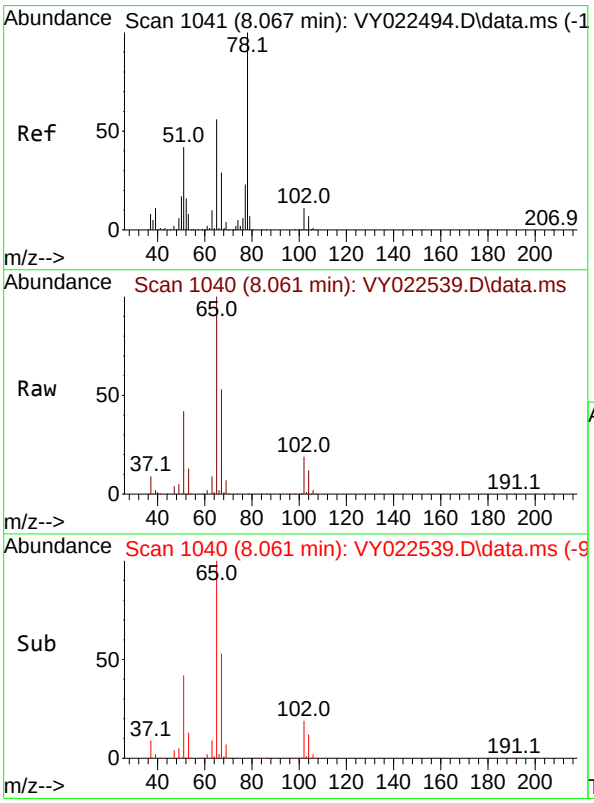
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion:168 Resp: 271205

Ion	Ratio	Lower	Upper
168	100		
99	55.5	44.3	66.5

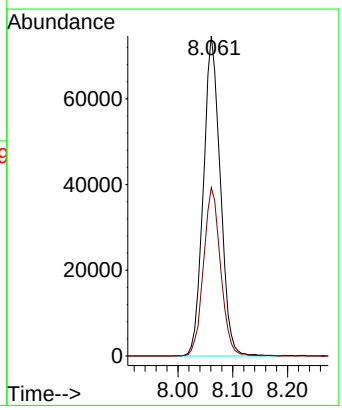


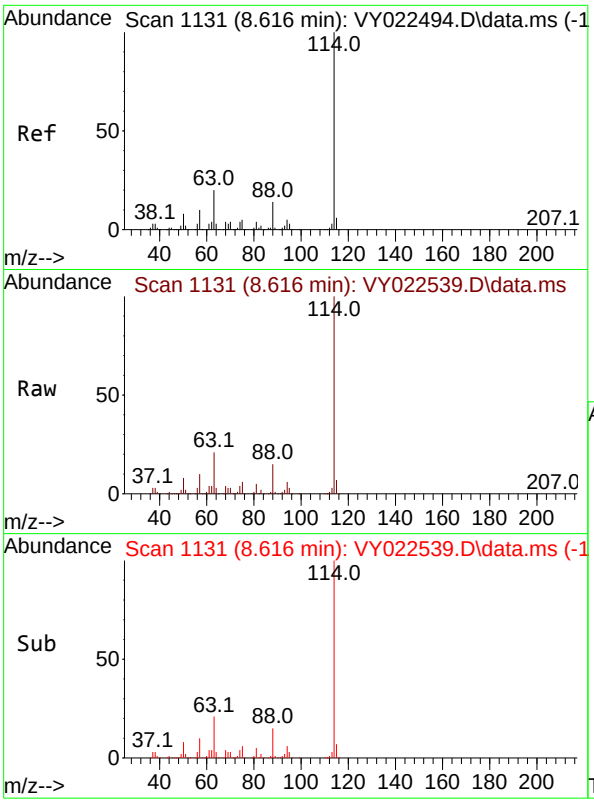


#33
1,2-Dichloroethane-d4
Concen: 52.692 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Tgt Ion: 65 Resp: 159828

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4



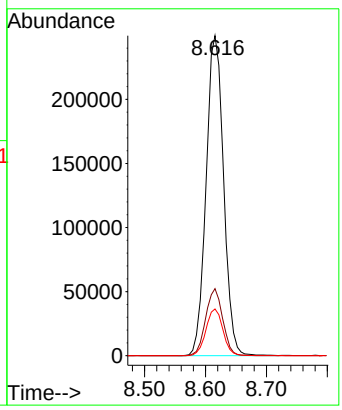


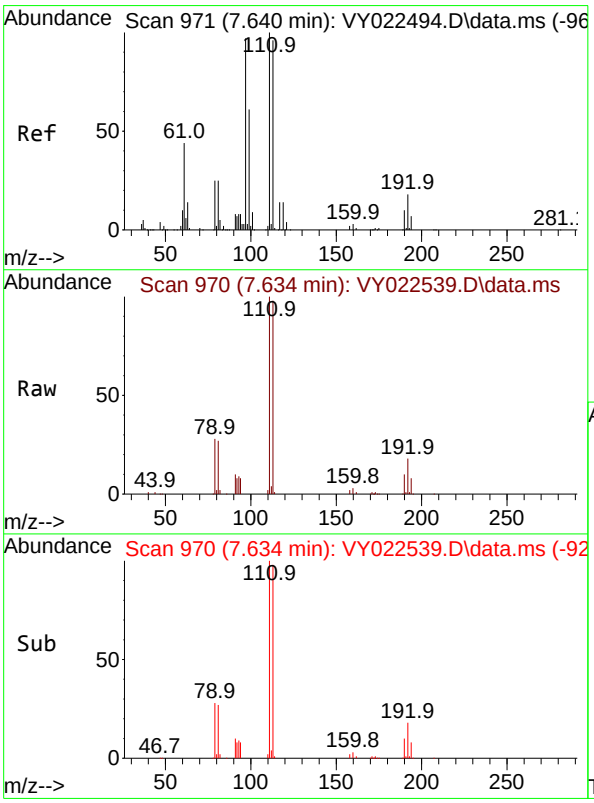
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

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

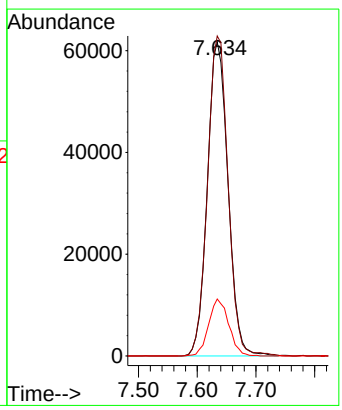


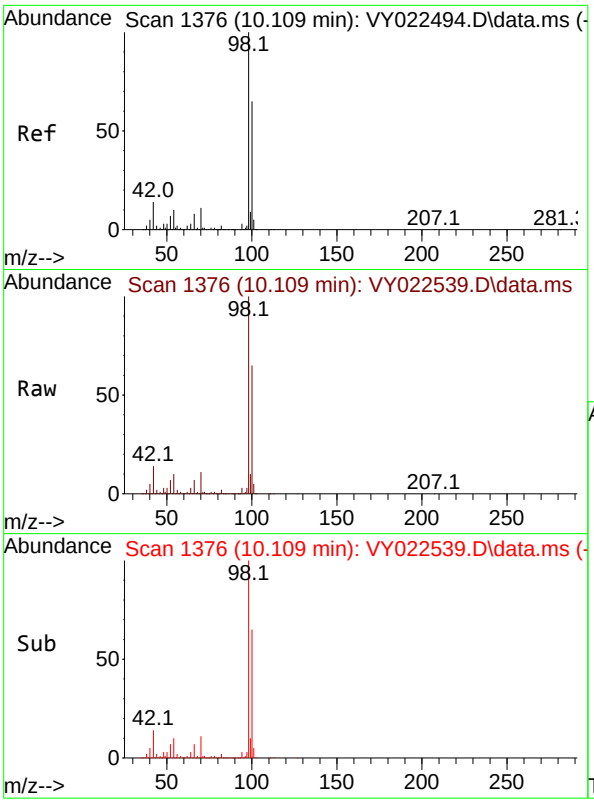


#35
Dibromofluoromethane
Concen: 50.684 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

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



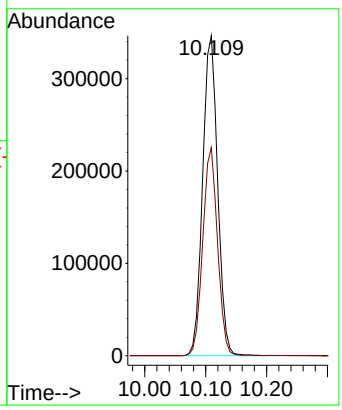


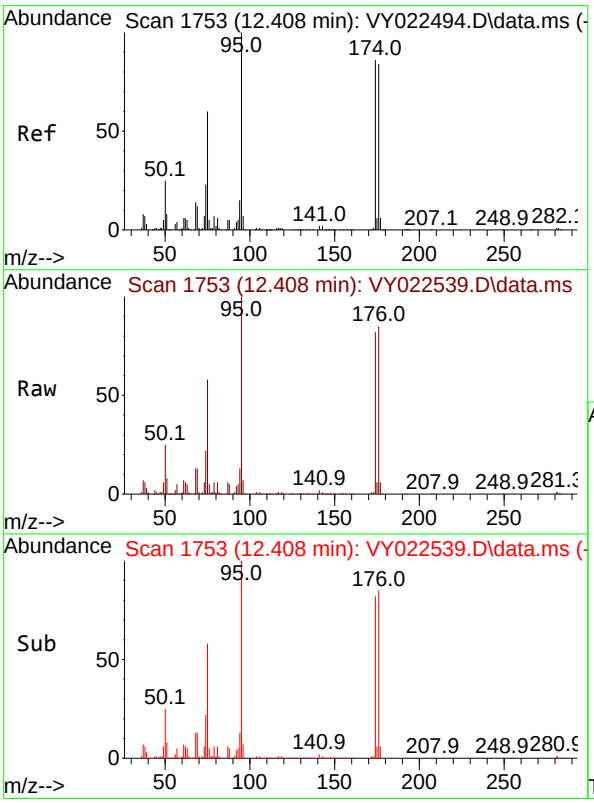
#50
Toluene-d8
Concen: 49.327 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

Tgt Ion: 98 Resp: 592665

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0

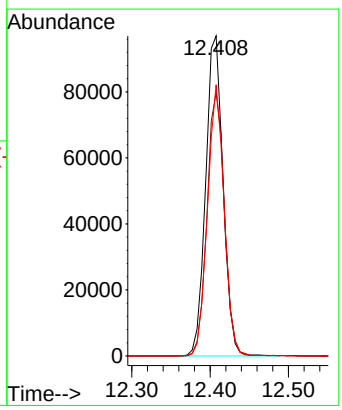


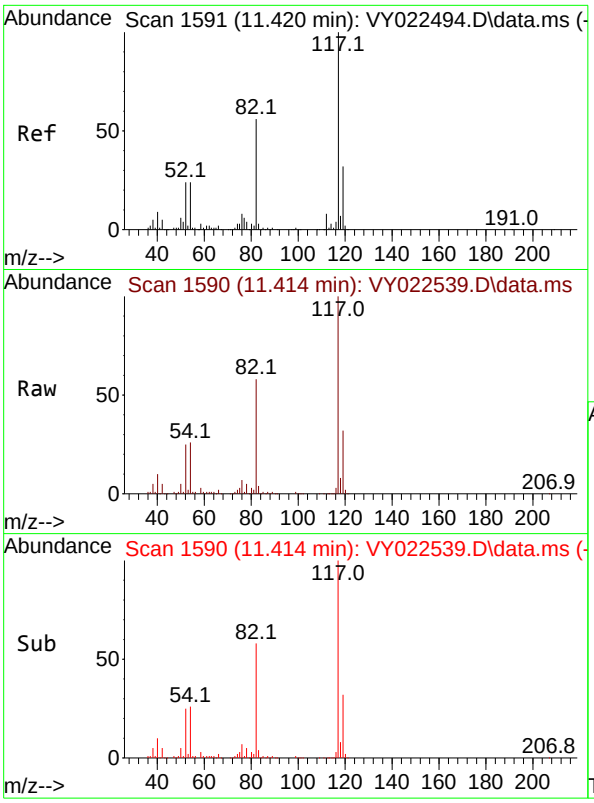


#62
4-Bromofluorobenzene
Concen: 41.664 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

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



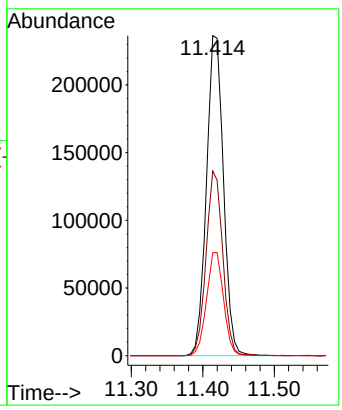


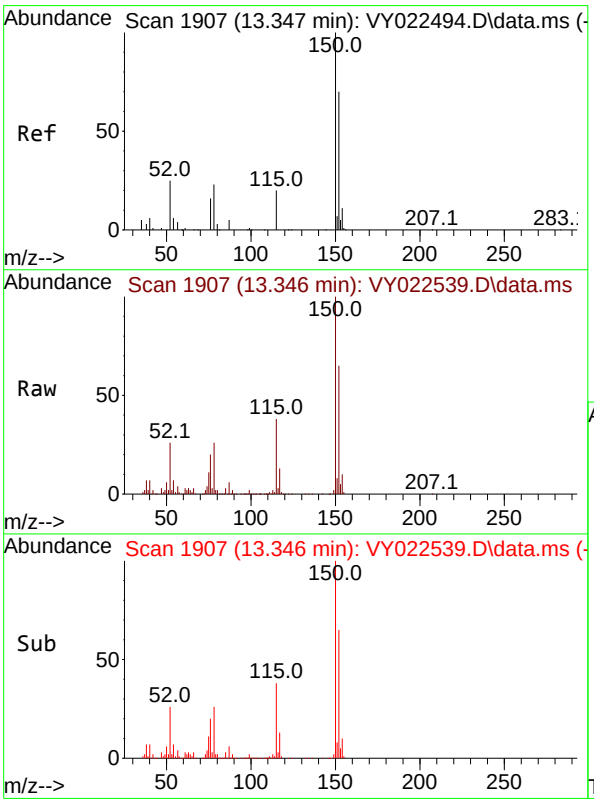
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

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

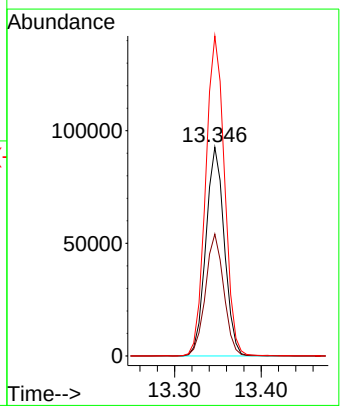




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022539.D
Acq: 04 Jun 2025 10:24

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

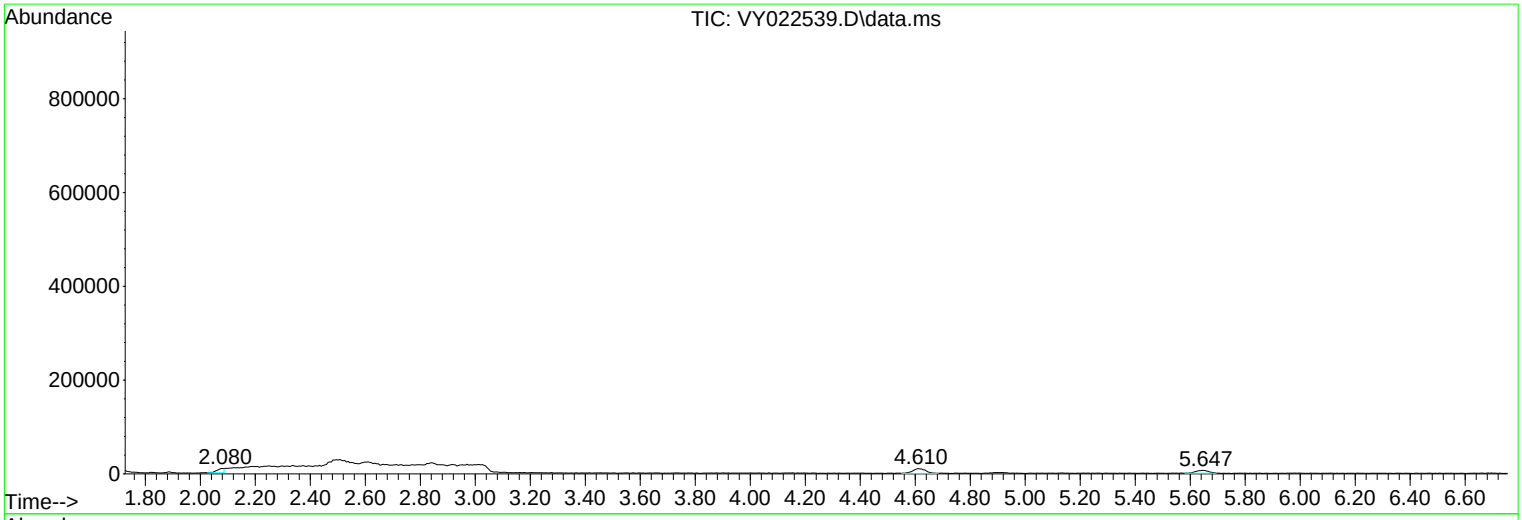
Sample Results: **VY022539.D**

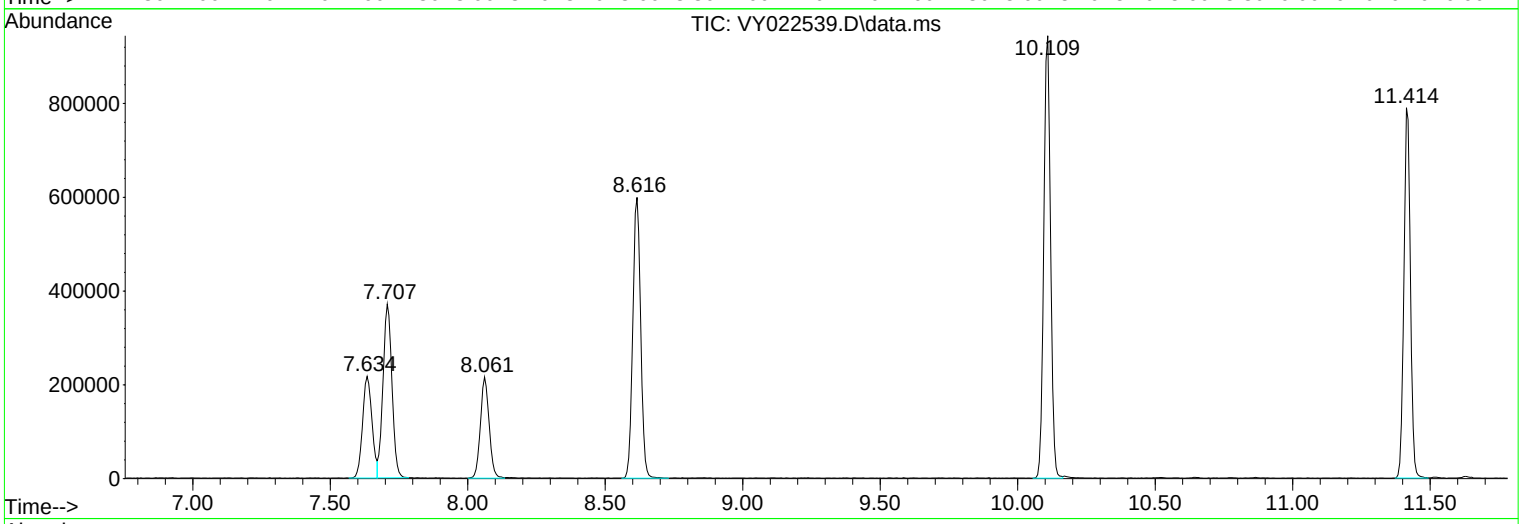
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022539.D
Acq On : 04 Jun 2025 10:24
Operator : SY/MD
Sample : VY0604SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

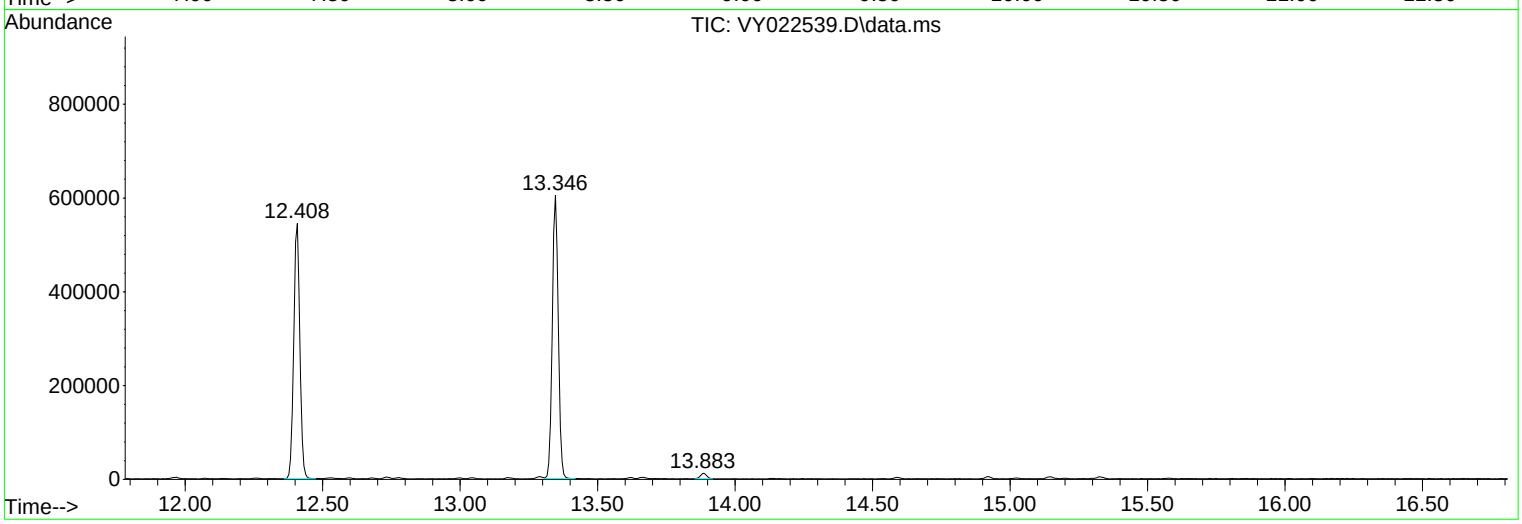
Instrument :
MSVOA_Y
ClientSampleId :
VY0604SBL01

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_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Time: Jun 06 01:19:31 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

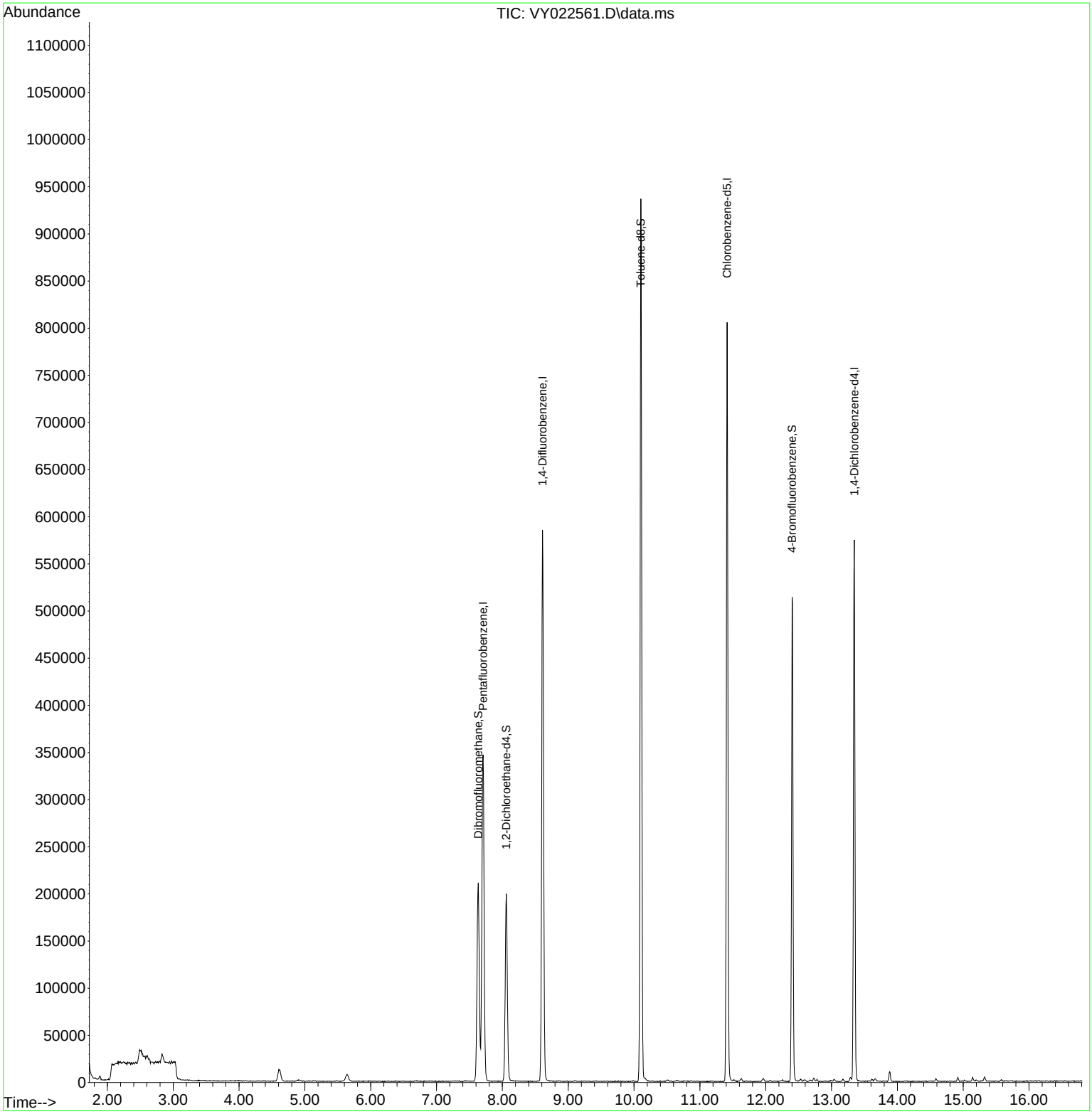
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	260317	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	481555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	383268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	134444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	150403	51.658	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.320%			
35) Dibromofluoromethane	7.634	113	144501	50.273	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.540%			
50) Toluene-d8	10.103	98	576294	49.621	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.240%			
62) 4-Bromofluorobenzene	12.401	95	140831	40.698	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.400%			
Target Compounds						Qvalue

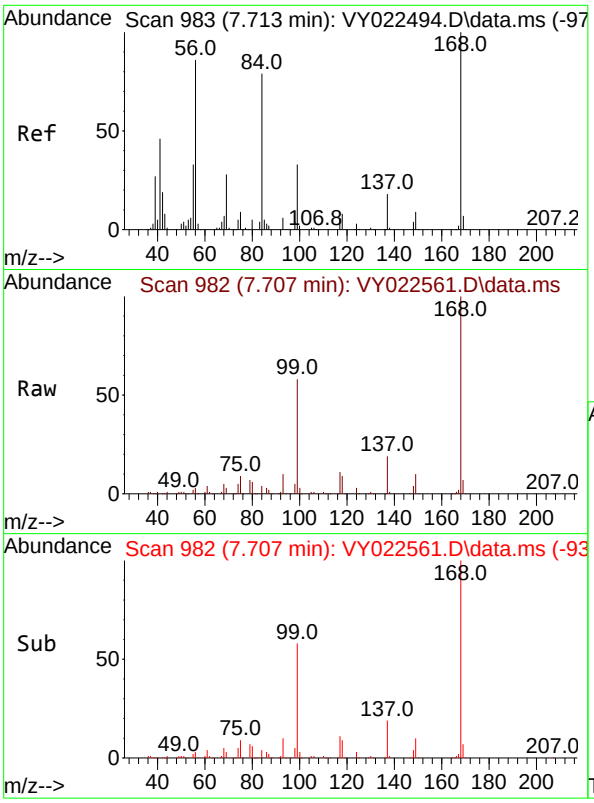
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Quant Time: Jun 06 01:19:31 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



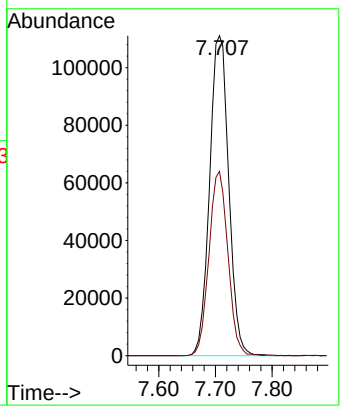


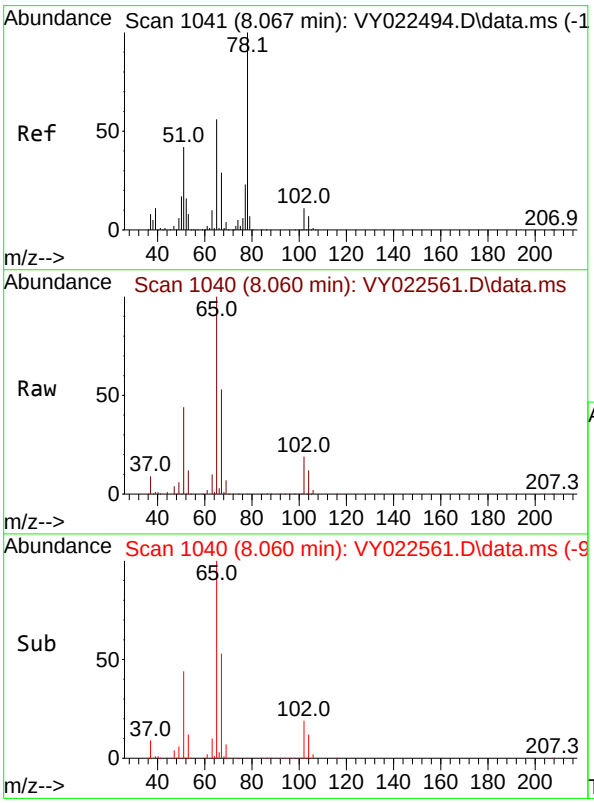
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion:168 Resp: 260317

Ion	Ratio	Lower	Upper
168	100		
99	57.6	44.3	66.5

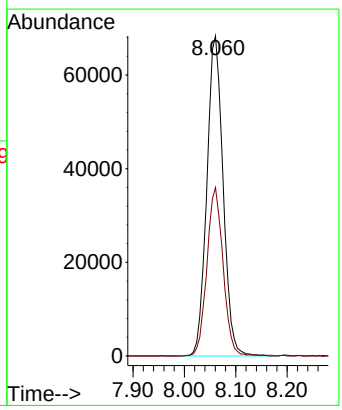


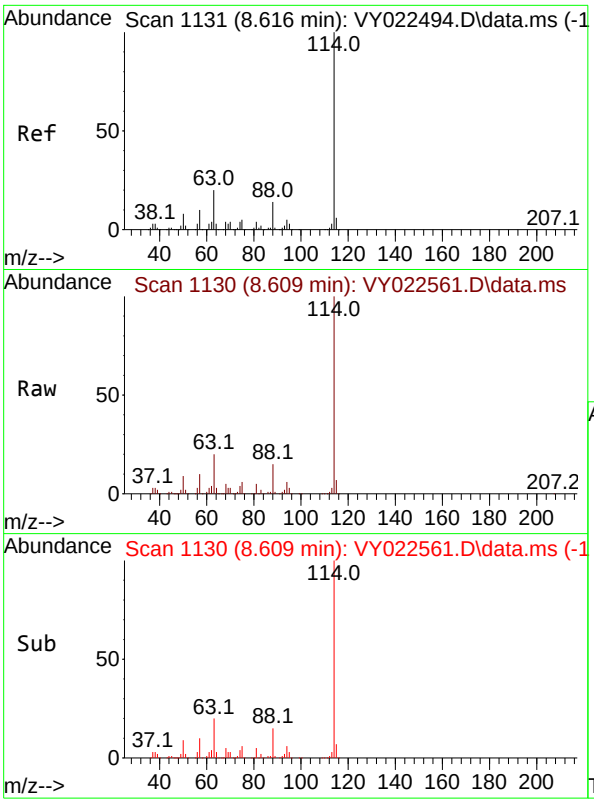


#33
1,2-Dichloroethane-d4
Concen: 51.658 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion: 65 Resp: 150403

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	103.4



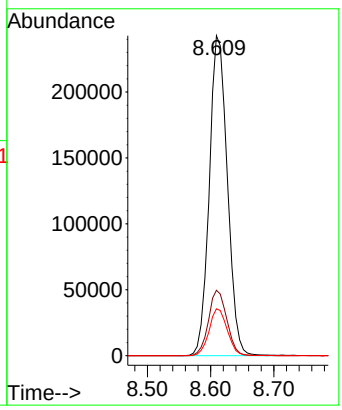


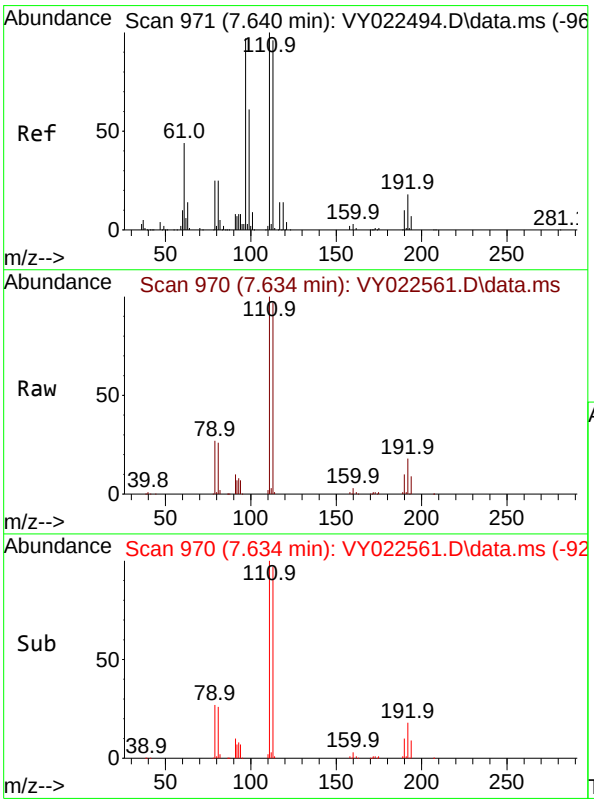
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion:114 Resp: 481555

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	14.7	0.0	27.8

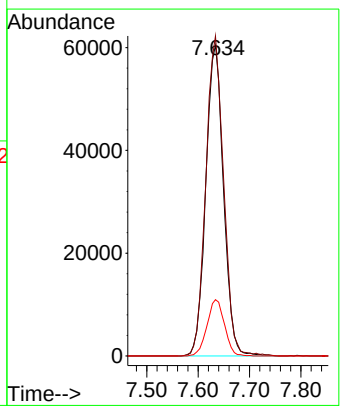


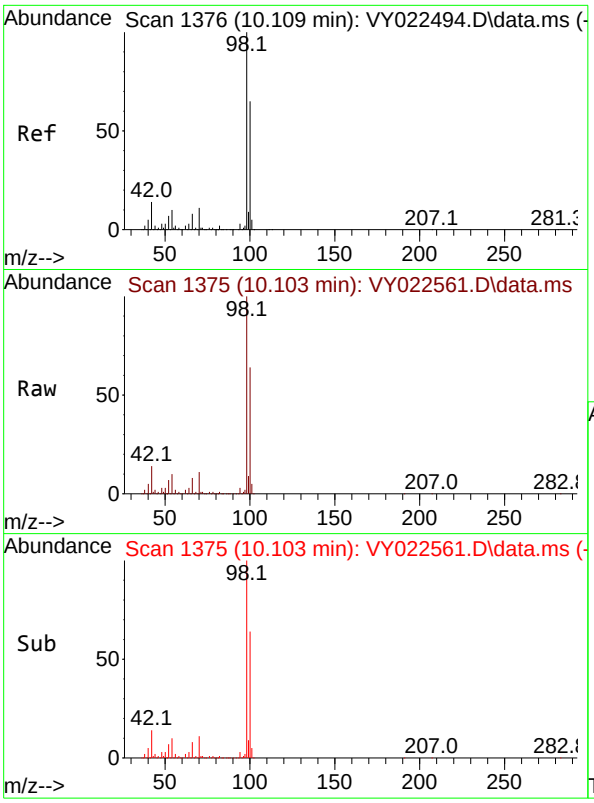


#35
Dibromofluoromethane
Concen: 50.273 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion:113 Resp: 144501

Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.1	121.7
192	17.9	14.2	21.2



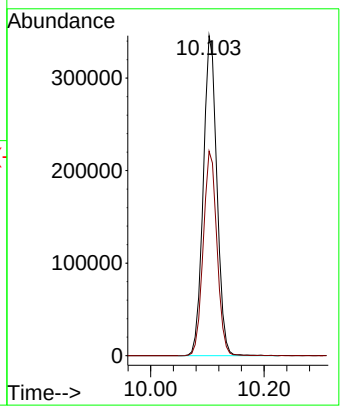


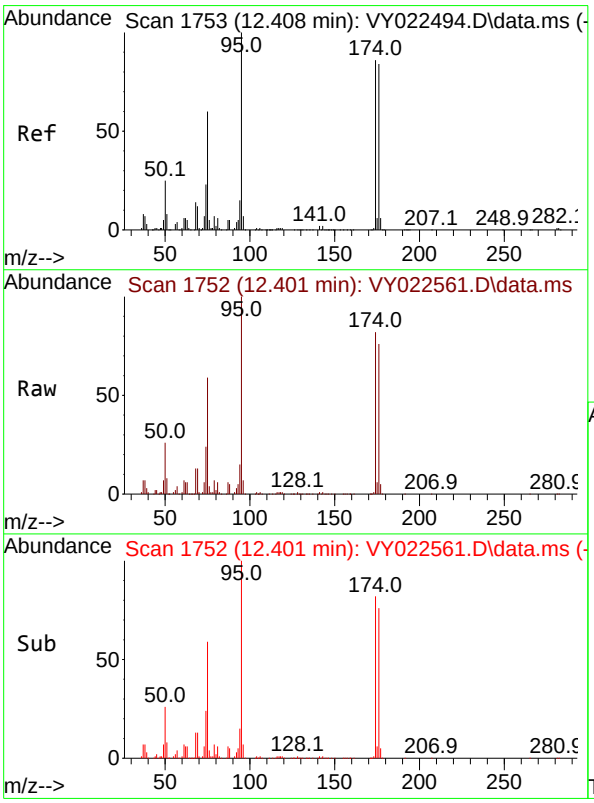
#50
Toluene-d8
Concen: 49.621 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion: 98 Resp: 576294

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0

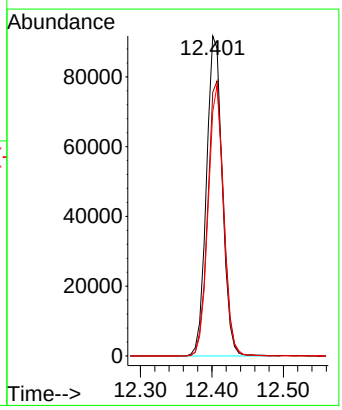


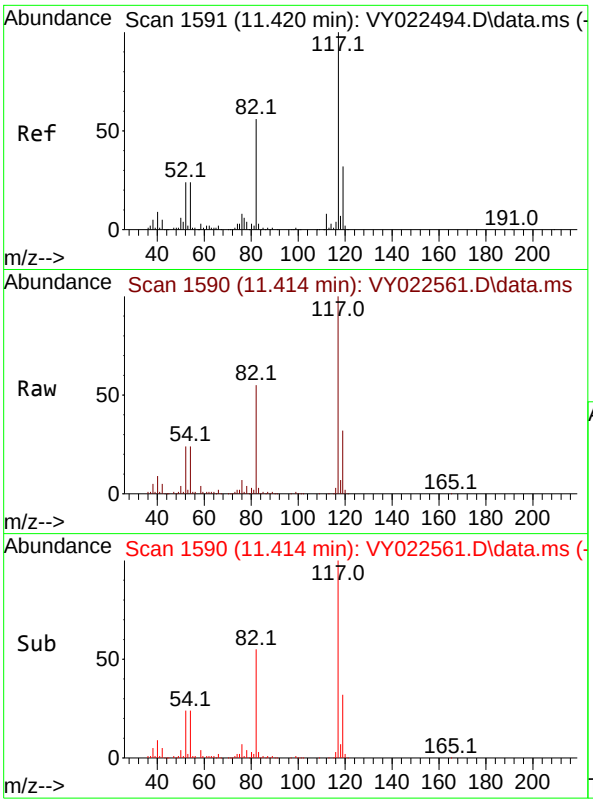


#62
4-Bromofluorobenzene
Concen: 40.698 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion: 95 Resp: 140831

Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	170.0
176	82.7	0.0	166.2



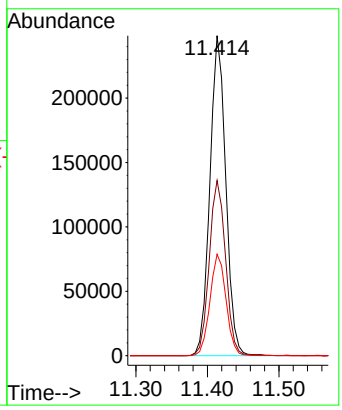


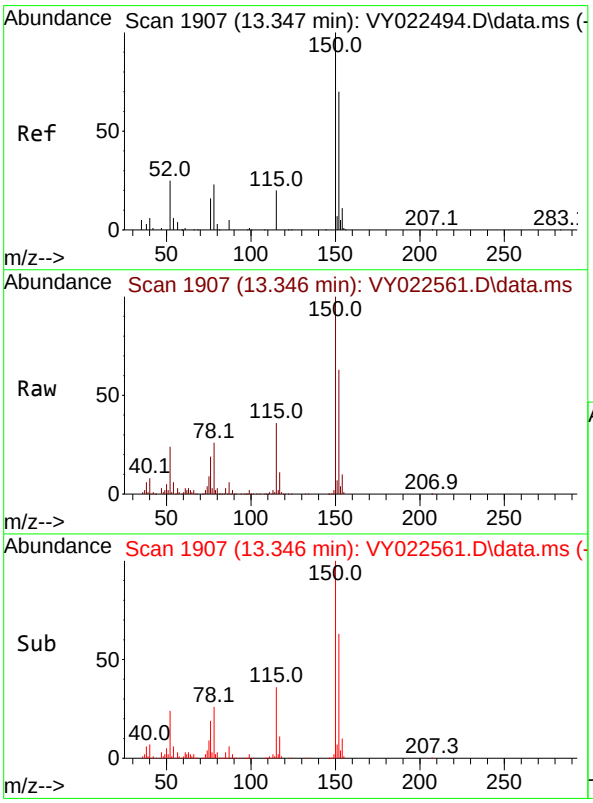
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.007 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

Tgt Ion:117 Resp: 383268

Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	66.8
119	31.7	25.4	38.0

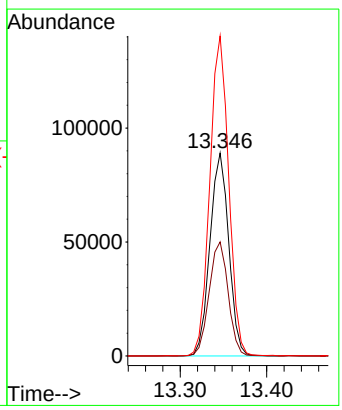




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022561.D
Acq: 05 Jun 2025 09:11

Tgt Ion:152 Resp: 134444

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.9	86.7
150	157.8	0.0	349.6



Sample Results: **VY022561.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

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: VY022561.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	51	58	59	rBV	17257	31022	1.97%	0.408%
2	2.830	178	182	190	rVB7	9157	18591	1.18%	0.245%
3	4.604	465	473	488	rVB2	12680	39721	2.52%	0.523%
4	5.640	630	643	655	rVB5	7470	24716	1.57%	0.325%
5	7.634	958	970	976	rBV	210718	507968	32.20%	6.686%
6	7.707	976	982	1001	rVB	346227	805083	51.03%	10.596%
7	8.060	1030	1040	1052	rBV	198975	443774	28.13%	5.841%
8	8.609	1120	1130	1142	rBV	584428	1154841	73.20%	15.200%
9	10.103	1367	1375	1385	rBV	936357	1577717	100.00%	20.765%
10	11.414	1583	1590	1603	rBV	804473	1265723	80.22%	16.659%
11	12.401	1744	1752	1762	rBV	514154	817173	51.79%	10.755%
12	13.346	1900	1907	1917	rVB	573759	892925	56.60%	11.752%
13	13.883	1989	1995	2001	rBV2	10530	18622	1.18%	0.245%

Sum of corrected areas: 7597876

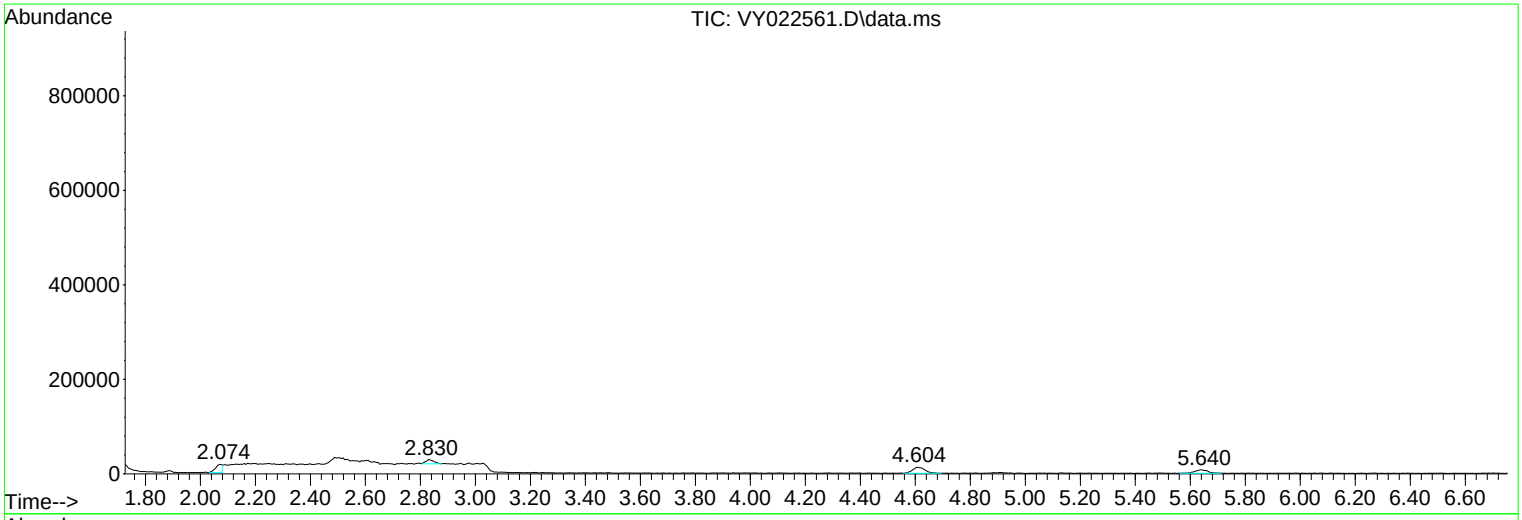
Sample Results: **VY022561.D**

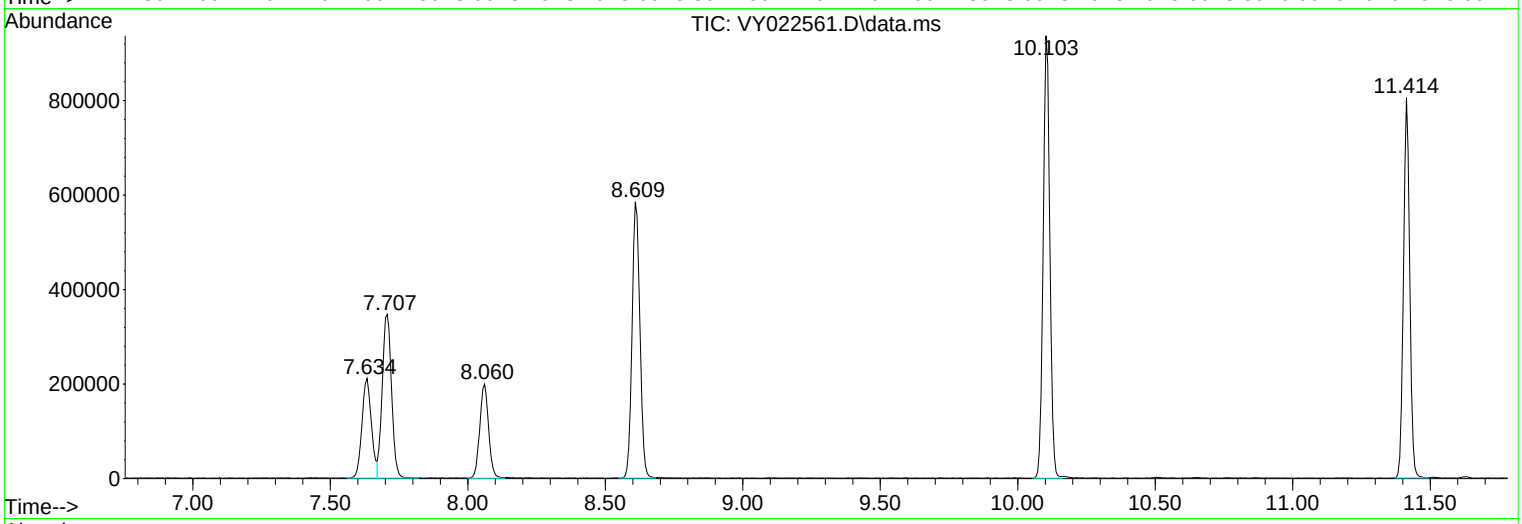
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

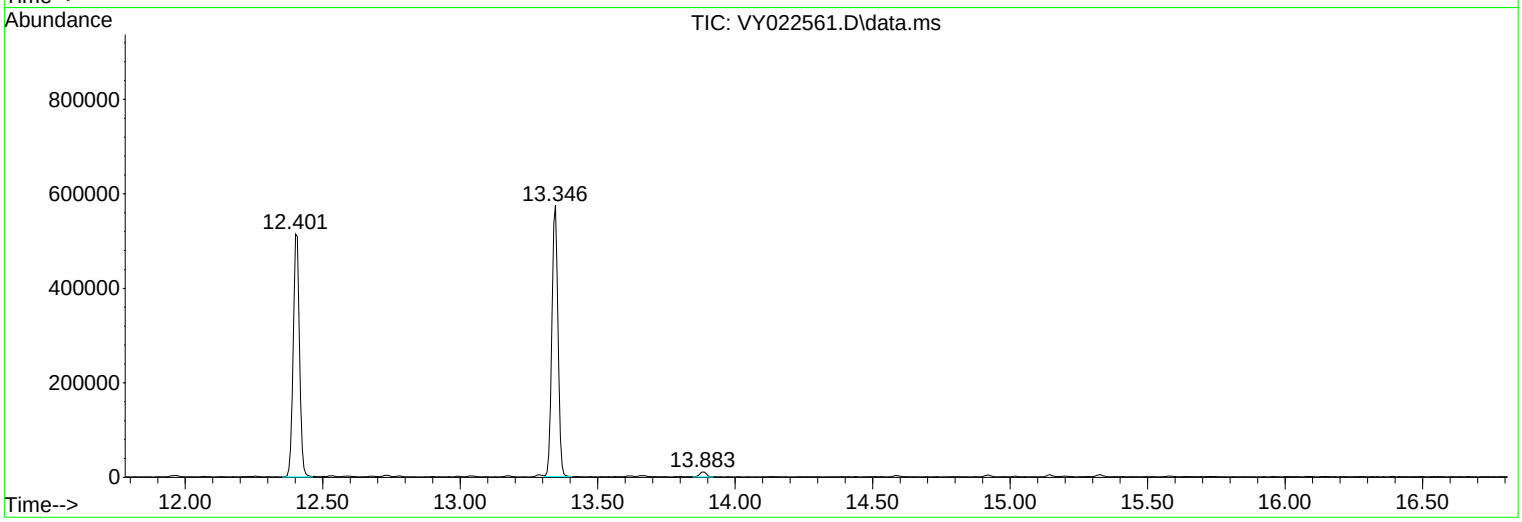
Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

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\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

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\VY060525\
Data File : VY022561.D
Acq On : 05 Jun 2025 09:11
Operator : SY/MD
Sample : VY0605SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0605SBL01

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\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 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 :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	88536	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152496	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	133074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	81779	49.545	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.100%			
35) Dibromofluoromethane	5.379	113	56635	51.574	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.140%			
50) Toluene-d8	8.647	98	186909	49.176	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.360%			
62) 4-Bromofluorobenzene	11.079	95	72578	49.782	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	23506	17.346	ug/l	98
3) Chloromethane	1.307	50	22102	16.819	ug/l	97
4) Vinyl Chloride	1.374	62	20532	16.788	ug/l	100
5) Bromomethane	1.599	94	9622	16.962	ug/l	95
6) Chloroethane	1.672	64	12240	18.747	ug/l	100
7) Trichlorofluoromethane	1.880	101	33475	18.520	ug/l	99
8) Diethyl Ether	2.136	74	11538	18.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	20773	18.571	ug/l	96
10) Methyl Iodide	2.447	142	21976	16.603	ug/l	98
11) Tert butyl alcohol	2.971	59	24392	105.277	ug/l	99
12) 1,1-Dichloroethene	2.313	96	19219	18.307	ug/l	95
13) Acrolein	2.233	56	18773	71.147	ug/l	99
14) Allyl chloride	2.660	41	39924	19.898	ug/l	97
15) Acrylonitrile	3.062	53	69682	105.178	ug/l	99
16) Acetone	2.380	43	68714	103.827	ug/l	98
17) Carbon Disulfide	2.508	76	35508	14.267	ug/l	98
18) Methyl Acetate	2.703	43	40636	26.460	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	74489	20.238	ug/l	100
20) Methylene Chloride	2.788	84	22771	17.955	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	18972	17.970	ug/l	98
22) Diisopropyl ether	3.757	45	80074	20.661	ug/l	92
23) Vinyl Acetate	3.721	43	329548	96.677	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43497	20.150	ug/l	97
25) 2-Butanone	4.556	43	102193	106.362	ug/l	100
26) 2,2-Dichloropropane	4.465	77	33061	19.568	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	24850	19.552	ug/l	99
28) Bromochloromethane	4.897	49	24218	23.308	ug/l	97
29) Tetrahydrofuran	5.001	42	61963	102.917	ug/l	99
30) Chloroform	5.086	83	46046	20.465	ug/l	98
31) Cyclohexane	5.464	56	34651	17.615	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	39441	20.222	ug/l	99
36) 1,1-Dichloropropene	5.690	75	28111	19.052	ug/l	98
37) Ethyl Acetate	4.715	43	34443	18.894	ug/l	99
38) Carbon Tetrachloride	5.666	117	32524	19.619	ug/l	99
39) Methylcyclohexane	7.373	83	32861	17.300	ug/l	95
40) Benzene	6.031	78	85438	19.769	ug/l	98

Sample Results: **VX046436.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 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 :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20917	21.935	ug/l		97
42) 1,2-Dichloroethane	6.086	62	38577	20.682	ug/l		99
43) Isopropyl Acetate	6.342	43	58295	20.962	ug/l		99
44) Trichloroethene	7.123	130	19980	19.209	ug/l		90
45) 1,2-Dichloropropane	7.427	63	22983	21.387	ug/l		100
46) Dibromomethane	7.580	93	17464	20.605	ug/l		99
47) Bromodichloromethane	7.818	83	35845	21.473	ug/l		96
48) Methyl methacrylate	7.690	41	29517	20.783	ug/l		98
49) 1,4-Dioxane	7.659	88	11669	432.714	ug/l		96
51) 4-Methyl-2-Pentanone	8.568	43	202459	109.676	ug/l		98
52) Toluene	8.714	92	52805	19.926	ug/l		97
53) t-1,3-Dichloropropene	8.976	75	29318	19.759	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	33195	20.241	ug/l		97
55) 1,1,2-Trichloroethane	9.147	97	22250	21.294	ug/l		94
56) Ethyl methacrylate	9.116	69	34831	20.915	ug/l		98
57) 1,3-Dichloropropane	9.305	76	38891	20.724	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	93203	109.776	ug/l		99
59) 2-Hexanone	9.427	43	148658	108.850	ug/l		100
60) Dibromochloromethane	9.519	129	24578	21.418	ug/l		98
61) 1,2-Dibromoethane	9.604	107	22104	20.353	ug/l		99
64) Tetrachloroethene	9.269	164	18215	19.346	ug/l		97
65) Chlorobenzene	10.073	112	57059	19.590	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	20532	20.644	ug/l		98
67) Ethyl Benzene	10.189	91	101823	19.832	ug/l		100
68) m/p-Xylenes	10.299	106	74323	39.580	ug/l		97
69) o-Xylene	10.640	106	37109	20.271	ug/l		97
70) Styrene	10.653	104	62853	20.959	ug/l		99
71) Bromoform	10.799	173	15441	20.679	ug/l	#	98
73) Isopropylbenzene	10.957	105	101234	20.645	ug/l		100
74) N-amyl acetate	10.842	43	48849	20.160	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	35209	20.490	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	30830m	20.335	ug/l		
77) Bromobenzene	11.195	156	22658	19.903	ug/l		97
78) n-propylbenzene	11.299	91	115685	20.290	ug/l		100
79) 2-Chlorotoluene	11.360	91	72338	19.670	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	83916	20.484	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9016	19.361	ug/l		95
82) 4-Chlorotoluene	11.451	91	83537	20.483	ug/l		100
83) tert-Butylbenzene	11.713	119	84788	20.548	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	82965	19.999	ug/l		98
85) sec-Butylbenzene	11.890	105	104197	20.566	ug/l		99
86) p-Isopropyltoluene	12.006	119	84743	20.263	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	41522	19.985	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	41955	19.773	ug/l		98
89) n-Butylbenzene	12.329	91	72058	19.643	ug/l		100
90) Hexachloroethane	12.536	117	14875	20.189	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	42513	20.391	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8304	21.814	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	22410	18.714	ug/l		97
94) Hexachlorobutadiene	13.719	225	10496	20.069	ug/l		98
95) Naphthalene	13.774	128	86022	19.586	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	25111	20.323	ug/l		97

Sample Results: **VX046436.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 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 :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

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

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

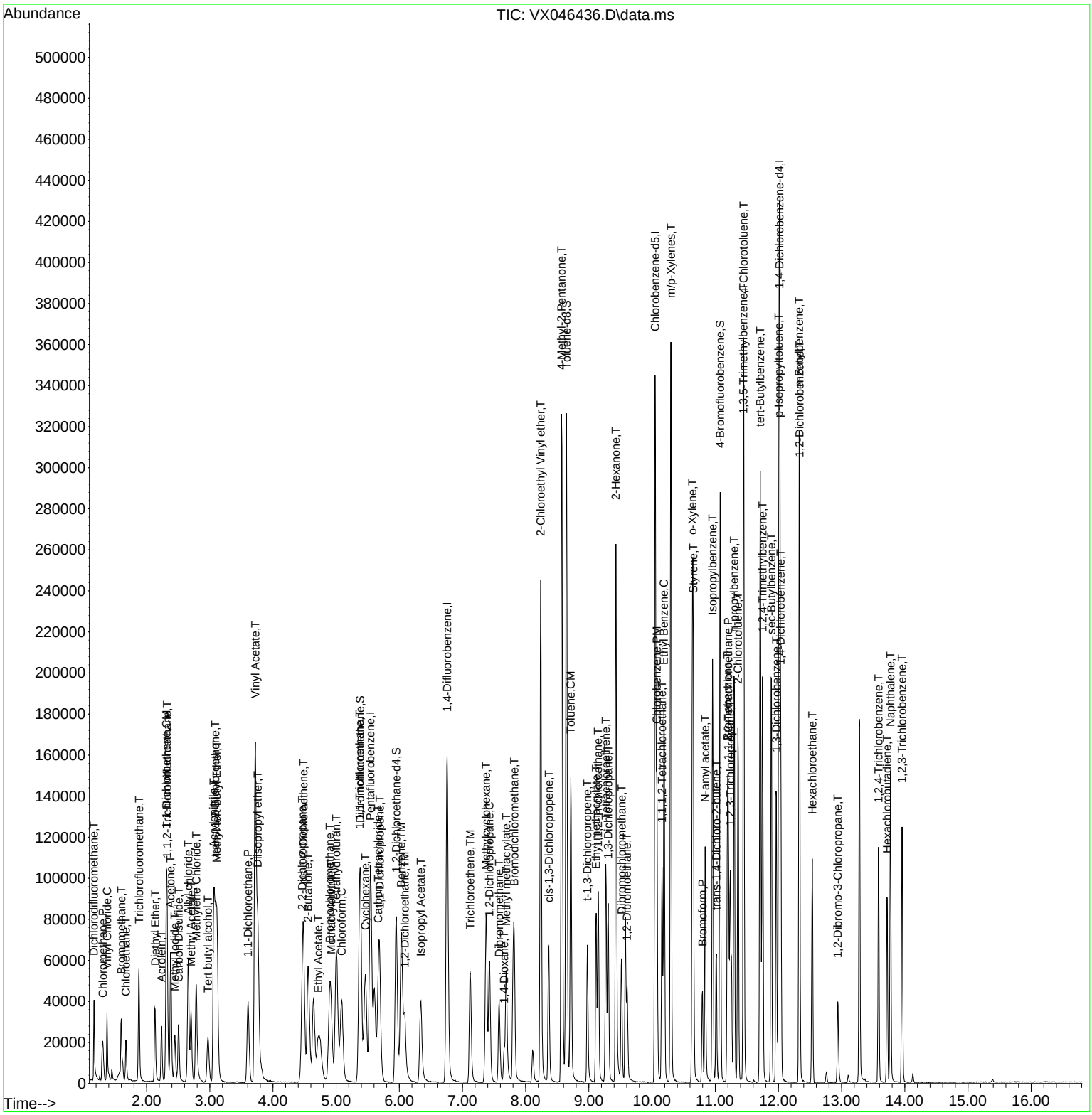
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046436.D
Acq On : 02 Jun 2025 11:37
Operator : JC/MD
Sample : VX0602WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 03 01:26:27 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 :
VX0602WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 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 :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	197612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	337632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	131961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	110445	49.971	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.940%			
35) Dibromofluoromethane	7.634	113	102818	51.020	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.040%			
50) Toluene-d8	10.109	98	418973	51.452	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.900%			
62) 4-Bromofluorobenzene	12.407	95	118916	49.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39051	22.073	ug/l	95
3) Chloromethane	2.074	50	96334	18.431	ug/l	98
4) Vinyl Chloride	2.208	62	126140	20.803	ug/l	96
5) Bromomethane	2.592	94	117107	20.151	ug/l	98
6) Chloroethane	2.732	64	88804	21.338	ug/l	96
7) Trichlorofluoromethane	3.049	101	114182	22.182	ug/l	99
8) Diethyl Ether	3.458	74	24346	21.002	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	46051	21.242	ug/l	99
10) Methyl Iodide	4.007	142	43818	18.677	ug/l	100
11) Tert butyl alcohol	4.872	59	15349	97.233	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	43949	21.208	ug/l	95
13) Acrolein	3.653	56	20560	104.508	ug/l	97
14) Allyl chloride	4.391	41	67413	20.722	ug/l	98
15) Acrylonitrile	5.067	53	48448	98.683	ug/l	98
16) Acetone	3.872	43	64637	144.004	ug/l	97
17) Carbon Disulfide	4.110	76	138205	20.831	ug/l	100
18) Methyl Acetate	4.391	43	27356	20.581	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	118612	20.321	ug/l	96
20) Methylene Chloride	4.616	84	47160	18.497	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	47664	20.551	ug/l	98
22) Diisopropyl ether	6.018	45	150165	20.737	ug/l	95
23) Vinyl Acetate	5.963	43	425369	99.247	ug/l	100
24) 1,1-Dichloroethane	5.921	63	90453	21.203	ug/l	98
25) 2-Butanone	6.902	43	76024	117.421	ug/l	90
26) 2,2-Dichloropropane	6.884	77	81323	21.575	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	55057	20.538	ug/l	97
28) Bromochloromethane	7.244	49	39559	21.273	ug/l	96
29) Tetrahydrofuran	7.262	42	40474	96.924	ug/l	100
30) Chloroform	7.427	83	88966	21.055	ug/l	94
31) Cyclohexane	7.701	56	85871	20.219	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	79604	21.222	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66890	20.451	ug/l	99
37) Ethyl Acetate	6.994	43	28280	19.388	ug/l	97
38) Carbon Tetrachloride	7.817	117	67799	20.206	ug/l	95
39) Methylcyclohexane	9.109	83	87053	19.805	ug/l	98
40) Benzene	8.085	78	200164	20.720	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 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 :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	15933	18.701	ug/l		96
42) 1,2-Dichloroethane	8.158	62	53923	20.443	ug/l		99
43) Isopropyl Acetate	8.201	43	60985	19.359	ug/l	#	87
44) Trichloroethene	8.865	130	50394	21.344	ug/l		95
45) 1,2-Dichloropropane	9.146	63	47626	20.860	ug/l		99
46) Dibromomethane	9.231	93	24877	19.368	ug/l		97
47) Bromodichloromethane	9.426	83	67673	20.778	ug/l		95
48) Methyl methacrylate	9.225	41	27658	18.707	ug/l		96
49) 1,4-Dioxane	9.237	88	5752	378.003	ug/l	#	89
51) 4-Methyl-2-Pentanone	9.999	43	150751	95.984	ug/l		100
52) Toluene	10.170	92	122301	20.145	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	60125	19.703	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	73109	20.581	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	33009	20.154	ug/l		95
56) Ethyl methacrylate	10.438	69	44052	18.609	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57905	19.947	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.713	63	104791	97.502	ug/l		99
59) 2-Hexanone	10.761	43	113080	107.655	ug/l		99
60) Dibromochloromethane	10.908	129	41162	19.776	ug/l		99
61) 1,2-Dibromoethane	11.017	107	30056	20.134	ug/l		95
64) Tetrachloroethene	10.646	164	51847	21.203	ug/l		99
65) Chlorobenzene	11.444	112	127590	20.283	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.517	131	42827	20.210	ug/l		99
67) Ethyl Benzene	11.517	91	236274	20.251	ug/l		99
68) m/p-Xylenes	11.627	106	177595	40.152	ug/l		99
69) o-Xylene	11.956	106	83043	20.025	ug/l		99
70) Styrene	11.969	104	136395	19.898	ug/l		99
71) Bromoform	12.133	173	21024	18.644	ug/l	#	99
73) Isopropylbenzene	12.255	105	218088	20.130	ug/l		100
74) N-amyl acetate	12.072	43	51955	19.006	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33056	18.590	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	27133m	17.973	ug/l		
77) Bromobenzene	12.529	156	44250	19.355	ug/l		95
78) n-propylbenzene	12.596	91	268379	20.282	ug/l		100
79) 2-Chlorotoluene	12.682	91	140839	20.082	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	169137	19.885	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	12442	19.903	ug/l		92
82) 4-Chlorotoluene	12.779	91	144089	19.916	ug/l		100
83) tert-Butylbenzene	12.999	119	155396	20.356	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	167992	19.747	ug/l		100
85) sec-Butylbenzene	13.176	105	234207	20.032	ug/l		100
86) p-Isopropyltoluene	13.291	119	188849	19.596	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	89632	19.350	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	89737	19.974	ug/l		100
89) n-Butylbenzene	13.615	91	183570	20.077	ug/l		100
90) Hexachloroethane	13.883	117	38158	20.338	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	77708	19.759	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4880	18.850	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	40402	18.836	ug/l		97
94) Hexachlorobutadiene	15.023	225	23265	19.652	ug/l		99
95) Naphthalene	15.145	128	74961	18.211	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	35695	19.418	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 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 :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

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

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

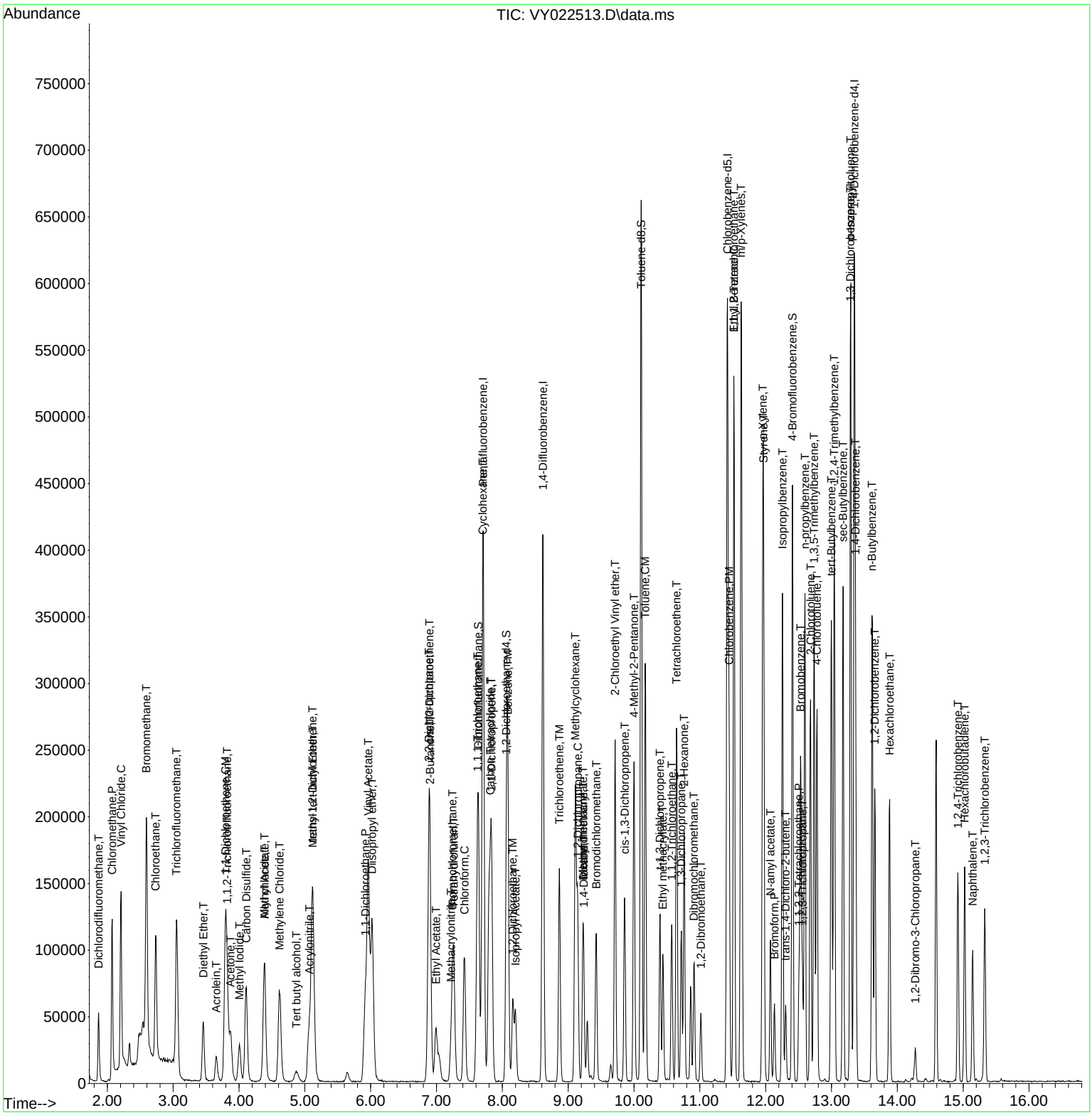
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022513.D
Acq On : 03 Jun 2025 11:15
Operator : SY/MD
Sample : VY0603SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 04 04:09:14 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 :
VY0603SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



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

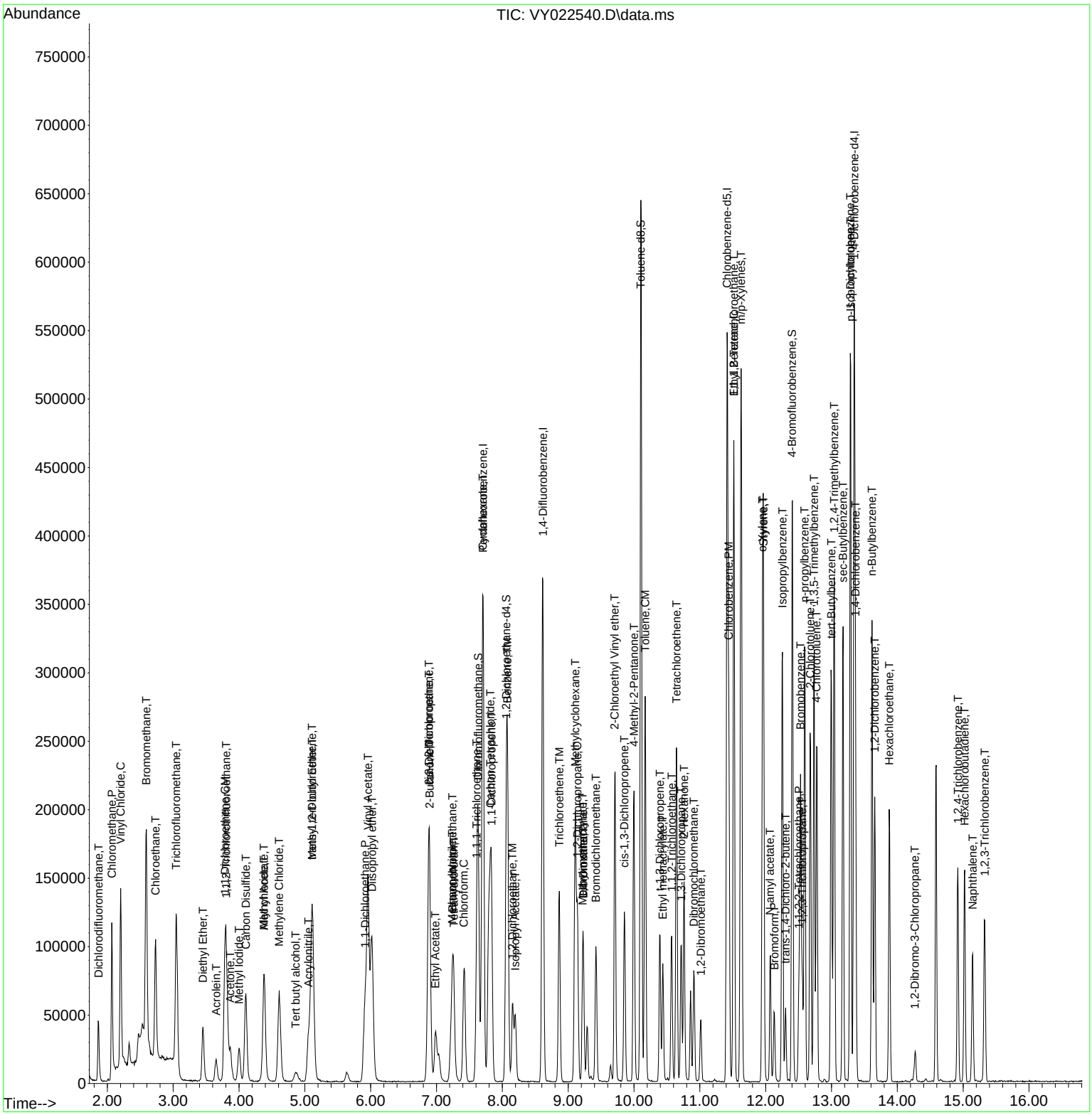
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
Data File : VY022540.D
Acq On : 04 Jun 2025 10:54
Operator : SY/MD
Sample : VY0604SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 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 :
VY0605SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	185960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	319893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	265176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	121174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	103268	49.651	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.300%			
35) Dibromofluoromethane	7.634	113	96100	50.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.660%			
50) Toluene-d8	10.103	98	389337	50.464	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.920%			
62) 4-Bromofluorobenzene	12.401	95	110996	48.286	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35934	21.583	ug/l	98
3) Chloromethane	2.068	50	97474	19.818	ug/l	98
4) Vinyl Chloride	2.202	62	137361	24.074	ug/l	100
5) Bromomethane	2.586	94	125584	22.963	ug/l	97
6) Chloroethane	2.732	64	94921	24.237	ug/l	97
7) Trichlorofluoromethane	3.043	101	124470	25.696	ug/l	95
8) Diethyl Ether	3.452	74	22768	20.872	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	42895	21.026	ug/l	99
10) Methyl Iodide	4.001	142	38996	17.663	ug/l	99
11) Tert butyl alcohol	4.866	59	15000	100.976	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	41284	21.170	ug/l	96
13) Acrolein	3.653	56	17449	94.252	ug/l	98
14) Allyl chloride	4.372	41	62719	20.487	ug/l	98
15) Acrylonitrile	5.055	53	45665	98.843	ug/l	98
16) Acetone	3.873	43	39774	94.164	ug/l	98
17) Carbon Disulfide	4.104	76	129036	20.668	ug/l	99
18) Methyl Acetate	4.391	43	23837	19.057	ug/l	97
19) Methyl tert-butyl Ether	5.110	73	112178	20.423	ug/l	94
20) Methylene Chloride	4.610	84	51654	21.529	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	46025	21.088	ug/l	94
22) Diisopropyl ether	6.018	45	142095	20.852	ug/l	97
23) Vinyl Acetate	5.957	43	408238	101.218	ug/l	99
24) 1,1-Dichloroethane	5.909	63	85887	21.395	ug/l	99
25) 2-Butanone	6.896	43	61458	100.871	ug/l	94
26) 2,2-Dichloropropane	6.884	77	74884	21.112	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	53578	21.239	ug/l	99
28) Bromochloromethane	7.238	49	34931	19.961	ug/l	99
29) Tetrahydrofuran	7.262	42	38399	97.717	ug/l	98
30) Chloroform	7.421	83	84488	21.248	ug/l	96
31) Cyclohexane	7.701	56	79881	19.987	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	74288	21.046	ug/l	97
36) 1,1-Dichloropropene	7.835	75	63932	20.630	ug/l	99
37) Ethyl Acetate	6.982	43	28467	20.599	ug/l	98
38) Carbon Tetrachloride	7.817	117	65817	20.703	ug/l	97
39) Methylcyclohexane	9.109	83	83418	20.031	ug/l	97
40) Benzene	8.079	78	191373	20.908	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 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 :
VY0605SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	13605	16.854	ug/l		87
42) 1,2-Dichloroethane	8.158	62	52311	20.932	ug/l		99
43) Isopropyl Acetate	8.201	43	59989	20.099	ug/l		100
44) Trichloroethene	8.866	130	46117	20.615	ug/l		94
45) 1,2-Dichloropropane	9.140	63	45262	20.924	ug/l		99
46) Dibromomethane	9.231	93	24460	20.099	ug/l		99
47) Bromodichloromethane	9.420	83	64131	20.783	ug/l		100
48) Methyl methacrylate	9.219	41	26124	18.649	ug/l		98
49) 1,4-Dioxane	9.231	88	5680	393.970	ug/l		88
51) 4-Methyl-2-Pentanone	9.999	43	144633	97.196	ug/l		98
52) Toluene	10.170	92	118135	20.538	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	56828	19.655	ug/l		96
54) cis-1,3-Dichloropropene	9.853	75	68811	20.445	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	30617	19.730	ug/l		96
56) Ethyl methacrylate	10.438	69	42048	18.748	ug/l		96
57) 1,3-Dichloropropane	10.713	76	54317	19.749	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	99909	98.114	ug/l		99
59) 2-Hexanone	10.755	43	95337	95.797	ug/l		98
60) Dibromochloromethane	10.908	129	39626	20.094	ug/l		98
61) 1,2-Dibromoethane	11.011	107	28445	20.112	ug/l		98
64) Tetrachloroethene	10.646	164	46452	20.364	ug/l		98
65) Chlorobenzene	11.438	112	122017	20.794	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	39130	19.795	ug/l		96
67) Ethyl Benzene	11.517	91	220134	20.226	ug/l		97
68) m/p-Xylenes	11.627	106	164620	39.899	ug/l		100
69) o-Xylene	11.950	106	77686	20.082	ug/l		100
70) Styrene	11.969	104	126313	19.754	ug/l		98
71) Bromoform	12.127	173	20908	19.876	ug/l	#	98
73) Isopropylbenzene	12.249	105	207625	20.870	ug/l		99
74) N-amyl acetate	12.072	43	48535	19.335	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	33569	20.559	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	28455m	20.526	ug/l		
77) Bromobenzene	12.529	156	41906	19.961	ug/l		99
78) n-propylbenzene	12.590	91	249452	20.530	ug/l		100
79) 2-Chlorotoluene	12.676	91	131777	20.462	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	158482	20.291	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	10424	18.159	ug/l		95
82) 4-Chlorotoluene	12.773	91	133141	20.041	ug/l		99
83) tert-Butylbenzene	12.993	119	146274	20.867	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	158008	20.227	ug/l		100
85) sec-Butylbenzene	13.176	105	220482	20.537	ug/l		100
86) p-Isopropyltoluene	13.292	119	175127	19.790	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	86453	20.325	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	83523	20.246	ug/l		99
89) n-Butylbenzene	13.615	91	170632	20.323	ug/l		100
90) Hexachloroethane	13.877	117	36555	21.218	ug/l		99
91) 1,2-Dichlorobenzene	13.657	146	70965	19.651	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4326	18.198	ug/l		92
93) 1,2,4-Trichlorobenzene	14.919	180	38134	19.361	ug/l		98
94) Hexachlorobutadiene	15.023	225	21255	19.552	ug/l		100
95) Naphthalene	15.139	128	69356	18.350	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	32110	19.023	ug/l		98

Sample Results: **VY022562.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 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 :
VY0605SBS01

Manual Integrations APPROVED

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

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

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

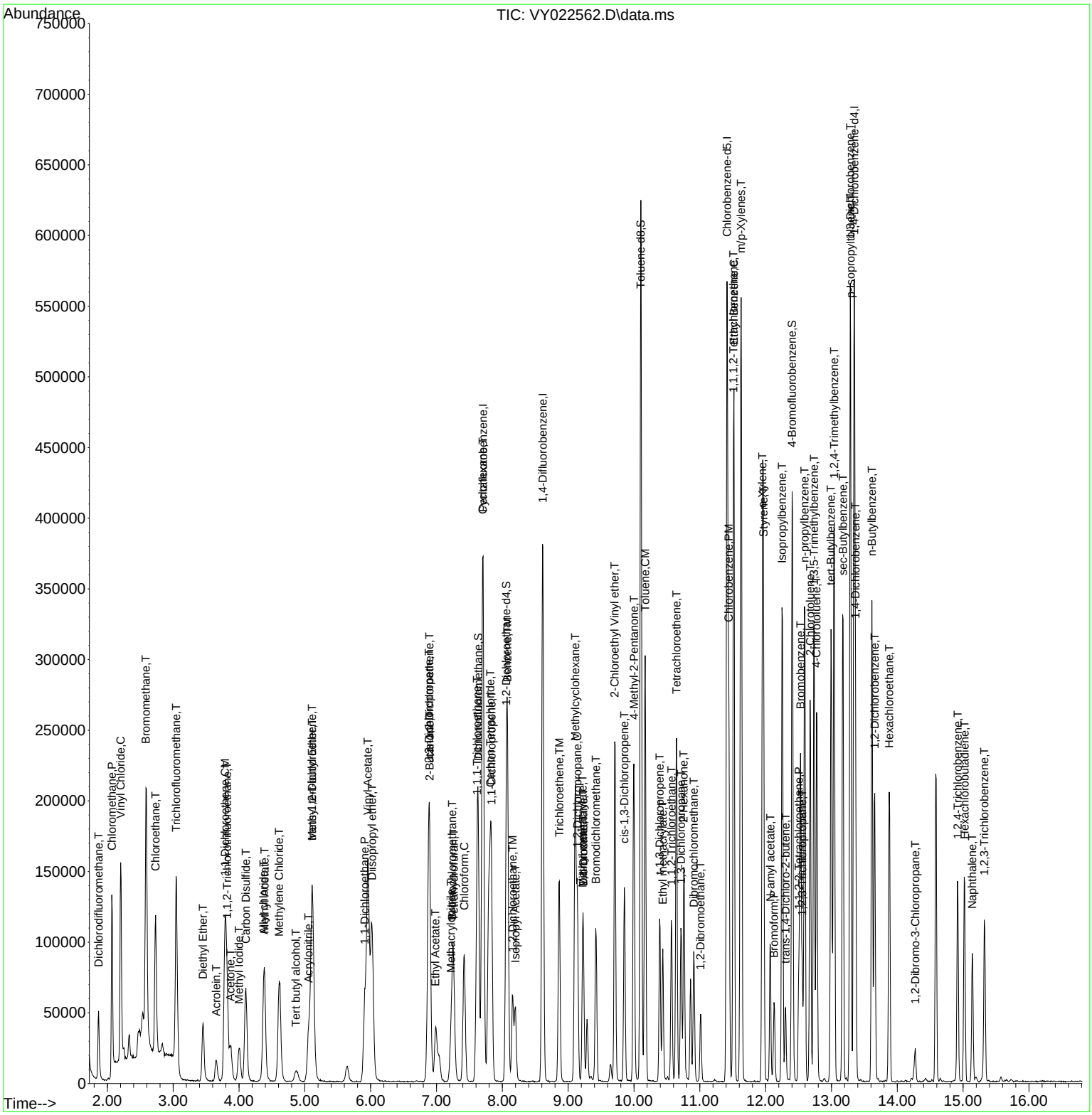
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
Data File : VY022562.D
Acq On : 05 Jun 2025 09:41
Operator : SY/MD
Sample : VY0605SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 01:19:52 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 :
VY0605SBS01

Manual Integrations APPROVED

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 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 :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	82810	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	146139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61222	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77318	50.081	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.160%			
35) Dibromofluoromethane	5.379	113	53402	50.745	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.500%			
50) Toluene-d8	8.647	98	175829	48.274	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.540%			
62) 4-Bromofluorobenzene	11.079	95	69734	49.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	21746	17.157	ug/l	96
3) Chloromethane	1.300	50	20739	16.873	ug/l	98
4) Vinyl Chloride	1.374	62	19031	16.636	ug/l	98
5) Bromomethane	1.593	94	9131	17.210	ug/l	96
6) Chloroethane	1.672	64	11190	18.324	ug/l	94
7) Trichlorofluoromethane	1.880	101	30644	18.126	ug/l	98
8) Diethyl Ether	2.130	74	11118	19.318	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	20067	19.180	ug/l	98
10) Methyl Iodide	2.447	142	21463	17.337	ug/l	99
11) Tert butyl alcohol	2.977	59	24436	112.760	ug/l	100
12) 1,1-Dichloroethene	2.312	96	17640	17.965	ug/l	98
13) Acrolein	2.233	56	15917	64.494	ug/l	98
14) Allyl chloride	2.654	41	37372	19.914	ug/l	95
15) Acrylonitrile	3.062	53	67541	108.996	ug/l	98
16) Acetone	2.380	43	64858	104.777	ug/l	98
17) Carbon Disulfide	2.501	76	32688	14.042	ug/l	100
18) Methyl Acetate	2.703	43	39060	27.193	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	71829	20.865	ug/l	98
20) Methylene Chloride	2.782	84	22268	18.772	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	18157	18.387	ug/l	98
22) Diisopropyl ether	3.757	45	77571	21.399	ug/l	99
23) Vinyl Acetate	3.715	43	315651	99.003	ug/l	99
24) 1,1-Dichloroethane	3.605	63	40837	20.226	ug/l	98
25) 2-Butanone	4.556	43	98209	109.283	ug/l	100
26) 2,2-Dichloropropane	4.458	77	31191	19.737	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23607	19.859	ug/l	99
28) Bromochloromethane	4.891	49	22980	23.645	ug/l	97
29) Tetrahydrofuran	5.007	42	60045	106.628	ug/l	99
30) Chloroform	5.086	83	43797	20.812	ug/l	97
31) Cyclohexane	5.458	56	32380	17.599	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	35925	19.693	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26070	18.438	ug/l	99
37) Ethyl Acetate	4.708	43	35515	20.330	ug/l	99
38) Carbon Tetrachloride	5.665	117	30583	19.250	ug/l	99
39) Methylcyclohexane	7.373	83	31246	17.165	ug/l	95
40) Benzene	6.031	78	81525	19.685	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 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 :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	20414	22.339	ug/l		97
42) 1,2-Dichloroethane	6.086	62	37186	20.804	ug/l		99
43) Isopropyl Acetate	6.336	43	57875	21.716	ug/l		98
44) Trichloroethene	7.123	130	19271	19.333	ug/l		98
45) 1,2-Dichloropropane	7.427	63	21507	20.884	ug/l		95
46) Dibromomethane	7.580	93	16653	20.503	ug/l		98
47) Bromodichloromethane	7.818	83	33339	20.840	ug/l		98
48) Methyl methacrylate	7.690	41	29111	21.388	ug/l		99
49) 1,4-Dioxane	7.659	88	11361	439.619	ug/l		97
51) 4-Methyl-2-Pentanone	8.567	43	197330	111.548	ug/l		99
52) Toluene	8.714	92	50495	19.884	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	28257	19.872	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	31769	20.214	ug/l		94
55) 1,1,2-Trichloroethane	9.147	97	21613	21.584	ug/l		98
56) Ethyl methacrylate	9.116	69	33611	21.060	ug/l		98
57) 1,3-Dichloropropane	9.305	76	37495	20.850	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	91268	112.173	ug/l		99
59) 2-Hexanone	9.427	43	148362	113.359	ug/l		98
60) Dibromochloromethane	9.518	129	23696	21.547	ug/l		97
61) 1,2-Dibromoethane	9.610	107	21686	20.837	ug/l		95
64) Tetrachloroethene	9.269	164	16548	18.393	ug/l		95
65) Chlorobenzene	10.073	112	54830	19.700	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19447	20.462	ug/l		94
67) Ethyl Benzene	10.189	91	97860	19.947	ug/l		97
68) m/p-Xylenes	10.299	106	72052	40.155	ug/l		99
69) o-Xylene	10.640	106	36064	20.616	ug/l		99
70) Styrene	10.652	104	59838	20.881	ug/l		99
71) Bromoform	10.799	173	14851	20.813	ug/l	#	100
73) Isopropylbenzene	10.957	105	96376	20.220	ug/l		100
74) N-amyl acetate	10.841	43	48582	20.627	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	35883	21.483	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30157m	20.464	ug/l		
77) Bromobenzene	11.195	156	21867	19.761	ug/l		98
78) n-propylbenzene	11.299	91	110640	19.964	ug/l		99
79) 2-Chlorotoluene	11.360	91	70031	19.591	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	81777	20.537	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	8400	18.558	ug/l		91
82) 4-Chlorotoluene	11.451	91	79959	20.171	ug/l		100
83) tert-Butylbenzene	11.713	119	82089	20.466	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	81564	20.227	ug/l		100
85) sec-Butylbenzene	11.890	105	100143	20.335	ug/l		100
86) p-Isopropyltoluene	12.006	119	83098	20.442	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	40612	20.110	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	41136	19.945	ug/l		98
89) n-Butylbenzene	12.329	91	71109	19.942	ug/l		99
90) Hexachloroethane	12.536	117	13973	19.511	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	42614	21.028	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7991	21.596	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	22846	19.628	ug/l		100
94) Hexachlorobutadiene	13.725	225	10419	20.495	ug/l		98
95) Naphthalene	13.774	128	83641	19.592	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	24644	20.519	ug/l		99

Sample Results: **VX046437.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 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 :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025

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

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

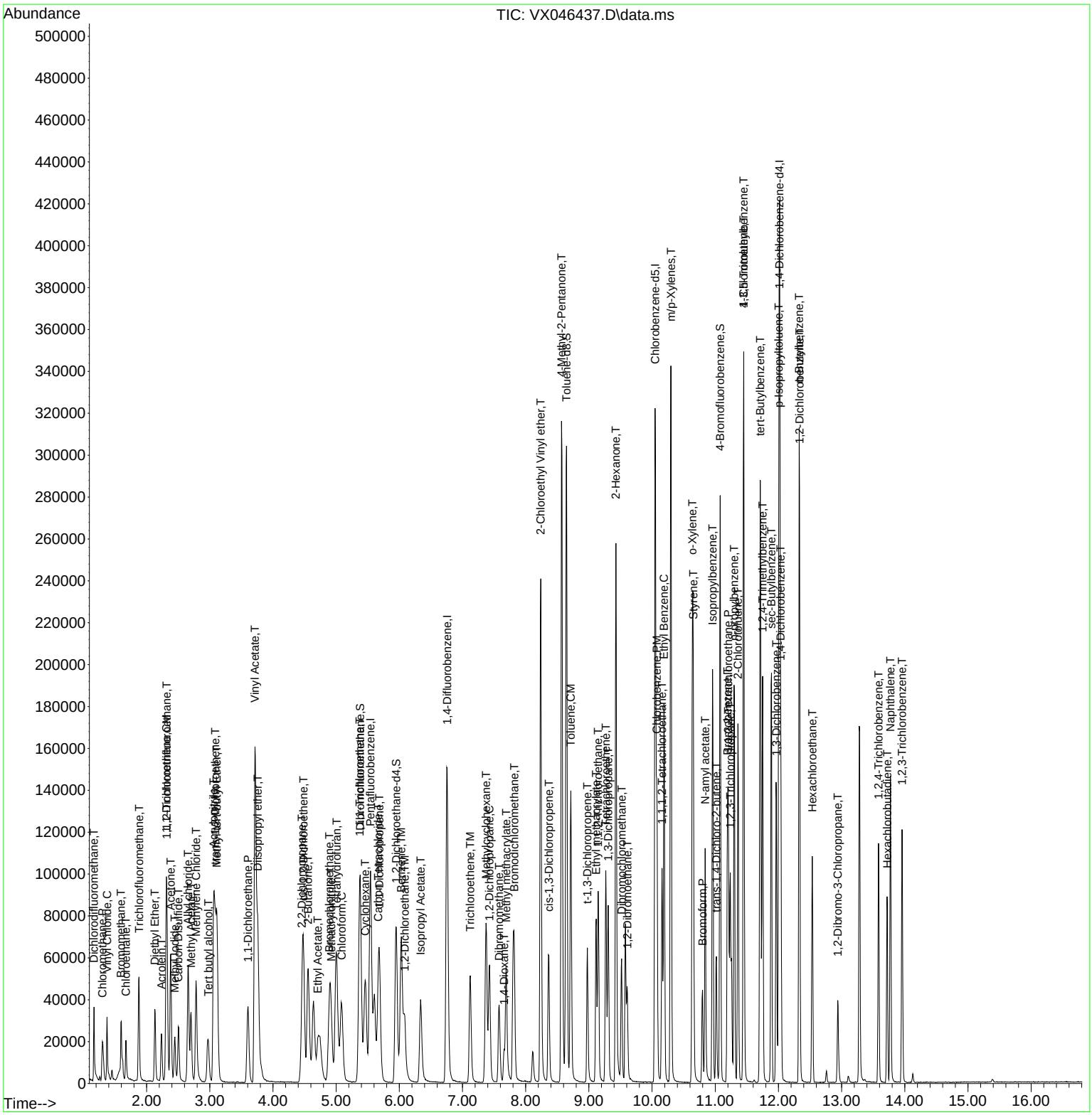
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
Data File : VX046437.D
Acq On : 02 Jun 2025 12:04
Operator : JC/MD
Sample : VX0602WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 03 01:27:27 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 :
VX0602WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/03/2025
Supervised By :Mahesh Dadoda 06/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 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 :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	196295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333757	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	111211	50.655	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.320%			
35) Dibromofluoromethane	7.634	113	102540	51.473	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.940%			
50) Toluene-d8	10.109	98	423577	52.622	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.240%			
62) 4-Bromofluorobenzene	12.408	95	120123	50.086	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39450	22.448	ug/l	92
3) Chloromethane	2.068	50	115283	22.204	ug/l	98
4) Vinyl Chloride	2.202	62	133679	22.195	ug/l	98
5) Bromomethane	2.592	94	122385	21.200	ug/l	99
6) Chloroethane	2.732	64	89448	21.637	ug/l	96
7) Trichlorofluoromethane	3.049	101	108350	21.191	ug/l	98
8) Diethyl Ether	3.458	74	24283	21.088	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	43506	20.203	ug/l	97
10) Methyl Iodide	4.007	142	46266	19.853	ug/l	100
11) Tert butyl alcohol	4.872	59	16220	103.440	ug/l #	73
12) 1,1-Dichloroethene	3.787	96	44732	21.731	ug/l	97
13) Acrolein	3.659	56	20248	103.612	ug/l	95
14) Allyl chloride	4.385	41	66730	20.650	ug/l	98
15) Acrylonitrile	5.055	53	47639	97.686	ug/l	96
16) Acetone	3.879	43	51428	115.345	ug/l	98
17) Carbon Disulfide	4.104	76	140692	21.348	ug/l	99
18) Methyl Acetate	4.391	43	25743	19.498	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	118588	20.454	ug/l	97
20) Methylene Chloride	4.616	84	48900	19.308	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	48144	20.897	ug/l	98
22) Diisopropyl ether	6.018	45	152316	21.175	ug/l	99
23) Vinyl Acetate	5.964	43	430636	101.150	ug/l	99
24) 1,1-Dichloroethane	5.915	63	89303	21.074	ug/l	98
25) 2-Butanone	6.896	43	69185	107.575	ug/l	99
26) 2,2-Dichloropropane	6.890	77	80364	21.464	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	57093	21.440	ug/l	99
28) Bromochloromethane	7.250	49	38497	20.841	ug/l	99
29) Tetrahydrofuran	7.262	42	39069	94.187	ug/l	97
30) Chloroform	7.421	83	90558	21.576	ug/l	98
31) Cyclohexane	7.707	56	83149	19.710	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78839	21.159	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67396	20.845	ug/l	100
37) Ethyl Acetate	6.988	43	29632	20.551	ug/l	99
38) Carbon Tetrachloride	7.817	117	69195	20.862	ug/l	97
39) Methylcyclohexane	9.109	83	88301	20.323	ug/l	98
40) Benzene	8.079	78	200930	21.041	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 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 :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41)	Methacrylonitrile	7.219	41	15352m	18.228	ug/l		
42)	1,2-Dichloroethane	8.164	62	54776	21.007	ug/l		98
43)	Isopropyl Acetate	8.201	43	61432	19.728	ug/l		98
44)	Trichloroethene	8.866	130	50293	21.548	ug/l		90
45)	1,2-Dichloropropane	9.140	63	46638	20.665	ug/l		99
46)	Dibromomethane	9.231	93	25459	20.051	ug/l		98
47)	Bromodichloromethane	9.420	83	67575	20.989	ug/l		100
48)	Methyl methacrylate	9.225	41	28959	19.815	ug/l		98
49)	1,4-Dioxane	9.237	88	5727	380.729	ug/l		95
51)	4-Methyl-2-Pentanone	9.999	43	150410	96.879	ug/l		100
52)	Toluene	10.170	92	123263	20.539	ug/l		96
53)	t-1,3-Dichloropropene	10.396	75	60064	19.911	ug/l		94
54)	cis-1,3-Dichloropropene	9.859	75	71904	20.477	ug/l		99
55)	1,1,2-Trichloroethane	10.573	97	33397	20.628	ug/l		92
56)	Ethyl methacrylate	10.438	69	45653	19.510	ug/l		98
57)	1,3-Dichloropropane	10.719	76	58164	20.269	ug/l		100
58)	2-Chloroethyl Vinyl ether	9.713	63	110692	104.188	ug/l		99
59)	2-Hexanone	10.762	43	102187	98.414	ug/l		99
60)	Dibromochloromethane	10.908	129	41567	20.203	ug/l		100
61)	1,2-Dibromoethane	11.018	107	29473	19.973	ug/l		98
64)	Tetrachloroethene	10.646	164	50817	21.307	ug/l		96
65)	Chlorobenzene	11.438	112	129702	21.140	ug/l		97
66)	1,1,1,2-Tetrachloroethane	11.517	131	43105	20.856	ug/l		99
67)	Ethyl Benzene	11.517	91	236352	20.770	ug/l		99
68)	m/p-Xylenes	11.627	106	178031	41.269	ug/l		99
69)	o-Xylene	11.956	106	83649	20.682	ug/l		100
70)	Styrene	11.969	104	137611	20.583	ug/l		99
71)	Bromoform	12.133	173	21869	19.883	ug/l	#	99
73)	Isopropylbenzene	12.255	105	220201	21.105	ug/l		100
74)	N-amyl acetate	12.072	43	52673	20.008	ug/l		99
75)	1,1,2,2-Tetrachloroethane	12.505	83	34208	19.977	ug/l		99
76)	1,2,3-Trichloropropane	12.554	75	26292m	18.084	ug/l		
77)	Bromobenzene	12.529	156	46055	20.918	ug/l		100
78)	n-propylbenzene	12.597	91	269951	21.184	ug/l		99
79)	2-Chlorotoluene	12.682	91	142085	21.037	ug/l		99
80)	1,3,5-Trimethylbenzene	12.737	105	170919	20.866	ug/l		98
81)	trans-1,4-Dichloro-2-b...	12.304	75	11460	19.036	ug/l		95
82)	4-Chlorotoluene	12.779	91	141886	20.364	ug/l		96
83)	tert-Butylbenzene	12.999	119	156660	21.309	ug/l		99
84)	1,2,4-Trimethylbenzene	13.042	105	170782	20.846	ug/l		99
85)	sec-Butylbenzene	13.176	105	235402	20.907	ug/l		99
86)	p-Isopropyltoluene	13.292	119	190486	20.525	ug/l		99
87)	1,3-Dichlorobenzene	13.285	146	91645	20.544	ug/l		98
88)	1,4-Dichlorobenzene	13.365	146	89601	20.709	ug/l		99
89)	n-Butylbenzene	13.615	91	189125	21.478	ug/l		99
90)	Hexachloroethane	13.877	117	38174	21.128	ug/l		100
91)	1,2-Dichlorobenzene	13.657	146	79301	20.938	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.273	75	4844	19.429	ug/l		95
93)	1,2,4-Trichlorobenzene	14.919	180	43264	20.945	ug/l		99
94)	Hexachlorobutadiene	15.023	225	23654	20.747	ug/l		99
95)	Naphthalene	15.145	128	76972	19.418	ug/l		99
96)	1,2,3-Trichlorobenzene	15.328	180	35926	20.294	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 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 :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025

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

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

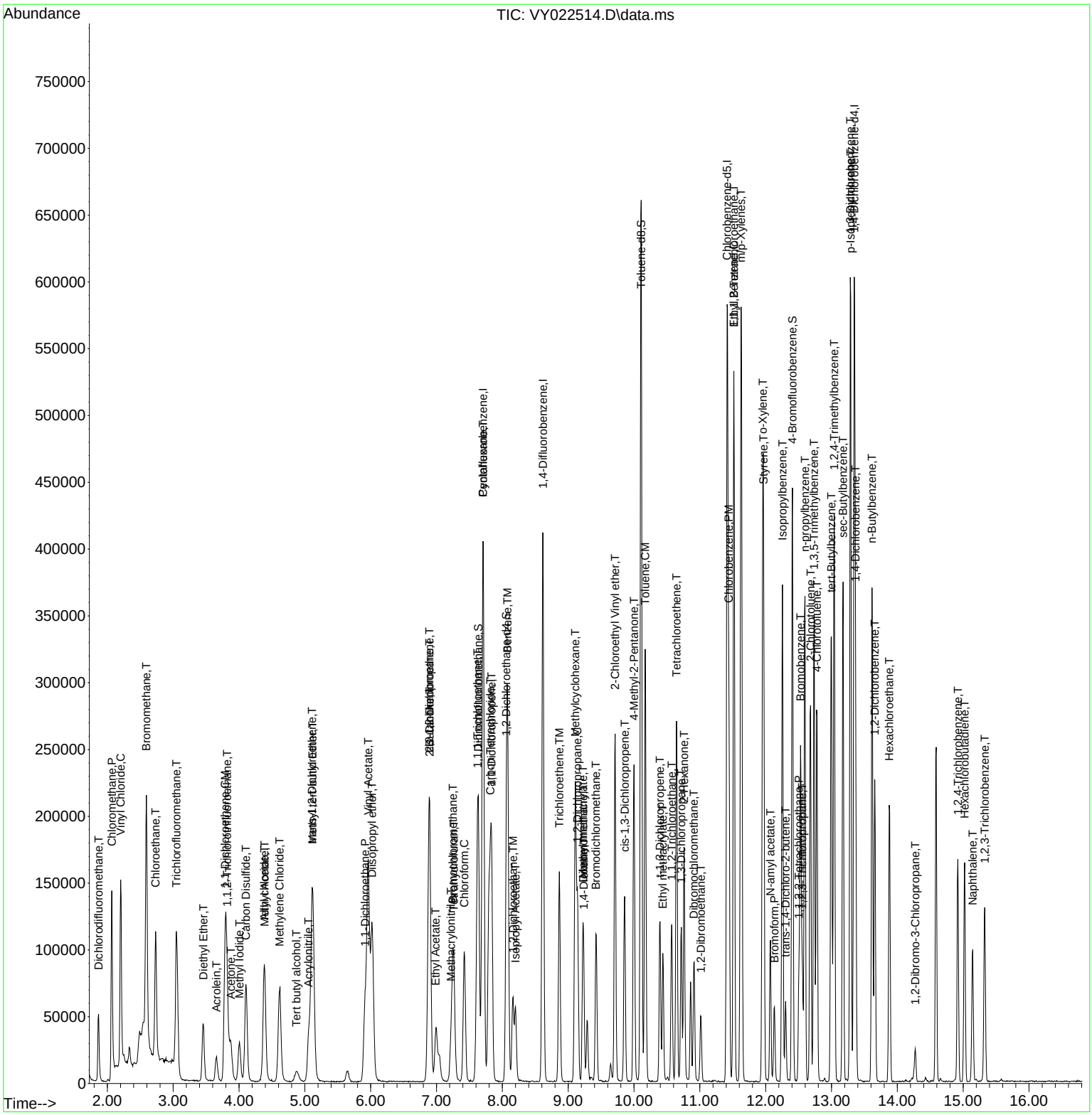
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
Data File : VY022514.D
Acq On : 03 Jun 2025 11:38
Operator : SY/MD
Sample : VY0603SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 04 04:10:06 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 :
VY0603SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/04/2025
Supervised By :Semsettin Yesilyurt 06/04/2025



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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

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Manual Integration Report

Sequence:	VX050525	Instrument	MSVOA_x

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

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Manual Integration Report

Sequence:	VX060225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046433.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:35:42 AM	MMDadoda	6/3/2025 2:37:30 PM	Peak Integrated by Software
VX0602WBS01	VX046436.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:35:46 AM	MMDadoda	6/3/2025 2:37:32 PM	Peak Integrated by Software
VX0602WBSD01	VX046437.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:35:50 AM	MMDadoda	6/3/2025 2:37:33 PM	Peak Integrated by Software
VSTDCCC050	VX046458.D	1,2,3-Trichloropropane	JOHN	6/3/2025 9:36:15 AM	MMDadoda	6/3/2025 2:37:49 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
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:	vy060325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022511.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:50 PM	Sam	6/4/2025 4:23:21 PM	Peak Integrated by Software
VSTDCCC050	VY022511.D	Methacrylonitrile	MMDadoda	6/4/2025 4:20:50 PM	Sam	6/4/2025 4:23:21 PM	Peak Integrated by Software
VY0603SBS01	VY022513.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:55 PM	Sam	6/4/2025 4:23:24 PM	Peak Integrated by Software
VY0603SBSD01	VY022514.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:20:57 PM	Sam	6/4/2025 4:23:29 PM	Peak Integrated by Software
VY0603SBSD01	VY022514.D	Methacrylonitrile	MMDadoda	6/4/2025 4:20:57 PM	Sam	6/4/2025 4:23:29 PM	Peak Integrated by Software
VSTDCCC050	VY022536.D	1,2,3-Trichloropropane	MMDadoda	6/4/2025 4:21:00 PM	Sam	6/4/2025 4:23:33 PM	Peak Integrated by Software
VSTDCCC050	VY022536.D	Methacrylonitrile	MMDadoda	6/4/2025 4:21:00 PM	Sam	6/4/2025 4:23:33 PM	Peak Integrated by Software

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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
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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Manual Integration Report

Sequence:	VY060525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022560.D	1,2,3-Trichloropropane	MMDadoda	6/6/2025 5:55:22 PM	Sam	6/6/2025 5:55:58 PM	Peak Integrated by Software
VSTDCCC050	VY022560.D	Methacrylonitrile	MMDadoda	6/6/2025 5:55:22 PM	Sam	6/6/2025 5:55:58 PM	Peak Integrated by Software
VY0605SBS01	VY022562.D	1,2,3-Trichloropropane	MMDadoda	6/6/2025 5:55:23 PM	Sam	6/6/2025 5:56:00 PM	Peak Integrated by Software
VSTDCCC050	VY022585.D	1,2,3-Trichloropropane	MMDadoda	6/6/2025 5:55:26 PM	Sam	6/6/2025 5:56:03 PM	Peak Integrated by Software
VSTDCCC050	VY022585.D	Methacrylonitrile	MMDadoda	6/6/2025 5:55:26 PM	Sam	6/6/2025 5:56:03 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 # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046432.D	02 Jun 2025 09:42	JC/MD	Ok
2	VSTDCCC050	VX046433.D	02 Jun 2025 10:21	JC/MD	Ok,M
3	VX0602MBL01	VX046434.D	02 Jun 2025 10:51	JC/MD	Ok
4	VX0602WBL01	VX046435.D	02 Jun 2025 11:14	JC/MD	Ok
5	VX0602WBS01	VX046436.D	02 Jun 2025 11:37	JC/MD	Ok,M
6	VX0602WBSD01	VX046437.D	02 Jun 2025 12:04	JC/MD	Ok,M
7	IBLK	VX046438.D	02 Jun 2025 12:27	JC/MD	Ok
8	Q2164-01	VX046439.D	02 Jun 2025 12:50	JC/MD	Ok
9	Q2164-02	VX046440.D	02 Jun 2025 13:14	JC/MD	Ok
10	Q2164-03	VX046441.D	02 Jun 2025 13:37	JC/MD	Ok
11	Q2164-04	VX046442.D	02 Jun 2025 14:00	JC/MD	Ok
12	Q2177-08	VX046443.D	02 Jun 2025 14:23	JC/MD	ReRun
13	Q2177-09	VX046444.D	02 Jun 2025 14:47	JC/MD	Ok
14	Q2157-01	VX046445.D	02 Jun 2025 15:36	JC/MD	Ok
15	VX0602MBS01	VX046446.D	02 Jun 2025 15:59	JC/MD	Ok,M
16	VX0602MBSD01	VX046447.D	02 Jun 2025 16:22	JC/MD	Ok,M
17	Q2155-01	VX046448.D	02 Jun 2025 16:46	JC/MD	Not Ok
18	Q2155-02	VX046449.D	02 Jun 2025 17:09	JC/MD	Not Ok
19	Q2161-01	VX046450.D	02 Jun 2025 17:32	JC/MD	Ok
20	Q2161-02	VX046451.D	02 Jun 2025 17:56	JC/MD	Ok
21	IBLK	VX046452.D	02 Jun 2025 18:19	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VX046453.D	02 Jun 2025 18:42	JC/MD	Ok
23	Q2177-08	VX046454.D	02 Jun 2025 19:06	JC/MD	Ok
24	Q2169-01	VX046455.D	02 Jun 2025 19:29	JC/MD	Not Ok
25	Q2169-03	VX046456.D	02 Jun 2025 19:52	JC/MD	Not Ok
26	Q2155-01	VX046457.D	02 Jun 2025 20:39	JC/MD	Not Ok
27	VSTDCCC050	VX046458.D	02 Jun 2025 21:03	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	Not 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 # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM				
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
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	VY022510.D	03 Jun 2025 09:03	SY/MD	Ok
2	VSTDCCC050	VY022511.D	03 Jun 2025 10:03	SY/MD	Ok,M
3	VY0603SBL01	VY022512.D	03 Jun 2025 10:40	SY/MD	Ok
4	VY0603SBS01	VY022513.D	03 Jun 2025 11:15	SY/MD	Ok,M
5	VY0603SBSD01	VY022514.D	03 Jun 2025 11:38	SY/MD	Ok,M
6	Q2155-01	VY022515.D	03 Jun 2025 12:17	SY/MD	Ok
7	Q2155-02	VY022516.D	03 Jun 2025 12:40	SY/MD	Ok,M
8	Q2185-02	VY022517.D	03 Jun 2025 13:04	SY/MD	Ok
9	Q2185-06	VY022518.D	03 Jun 2025 13:27	SY/MD	Ok
10	Q2172-02	VY022519.D	03 Jun 2025 13:51	SY/MD	Ok
11	Q2168-03	VY022520.D	03 Jun 2025 14:14	SY/MD	ReRun
12	Q2168-07	VY022521.D	03 Jun 2025 14:38	SY/MD	Dilution
13	Q2168-11	VY022522.D	03 Jun 2025 15:01	SY/MD	Dilution
14	Q2182-01	VY022523.D	03 Jun 2025 15:24	SY/MD	ReRun
15	Q2162-01	VY022524.D	03 Jun 2025 15:48	SY/MD	Ok
16	Q2161-02	VY022525.D	03 Jun 2025 16:11	SY/MD	Not Ok
17	Q2176-01	VY022526.D	03 Jun 2025 16:35	SY/MD	Ok
18	Q2176-02	VY022527.D	03 Jun 2025 16:58	SY/MD	Ok
19	Q2176-03	VY022528.D	03 Jun 2025 17:22	SY/MD	Ok
20	Q2176-04	VY022529.D	03 Jun 2025 17:45	SY/MD	Ok
21	Q2176-05	VY022530.D	03 Jun 2025 18:09	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM				
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2176-06	VY022531.D	03 Jun 2025 18:32	SY/MD	Ok
23	Q2176-07	VY022532.D	03 Jun 2025 18:56	SY/MD	Ok
24	Q2176-08	VY022533.D	03 Jun 2025 19:19	SY/MD	Ok
25	Q2177-01	VY022534.D	03 Jun 2025 19:42	SY/MD	Ok
26	VIBLK	VY022535.D	03 Jun 2025 20:06	SY/MD	Ok
27	VSTDCCC050	VY022536.D	03 Jun 2025 20:51	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_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM				
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
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	VY022559.D	05 Jun 2025 08:08	SY/MD	Ok
2	VSTDCCC050	VY022560.D	05 Jun 2025 08:40	SY/MD	Ok,M
3	VY0605SBL01	VY022561.D	05 Jun 2025 09:11	SY/MD	Ok
4	VY0605SBS01	VY022562.D	05 Jun 2025 09:41	SY/MD	Ok,M
5	VY0605SBSD01	VY022563.D	05 Jun 2025 10:31	SY/MD	Ok,M
6	Q2199-02RE	VY022564.D	05 Jun 2025 11:12	SY/MD	Confirms
7	Q2199-06	VY022565.D	05 Jun 2025 11:35	SY/MD	Not Ok
8	Q2194-03	VY022566.D	05 Jun 2025 11:59	SY/MD	Ok
9	Q2195-01RE	VY022567.D	05 Jun 2025 12:22	SY/MD	Confirms
10	Q2177-06	VY022568.D	05 Jun 2025 12:45	SY/MD	Ok
11	Q2219-01	VY022569.D	05 Jun 2025 13:09	SY/MD	ReRun
12	Q2214-01	VY022570.D	05 Jun 2025 13:33	SY/MD	Not Ok
13	Q2224-01	VY022571.D	05 Jun 2025 13:56	SY/MD	ReRun
14	Q2208-02	VY022572.D	05 Jun 2025 14:20	SY/MD	ReRun
15	Q2208-11	VY022573.D	05 Jun 2025 14:44	SY/MD	ReRun
16	Q2208-20	VY022574.D	05 Jun 2025 15:07	SY/MD	ReRun
17	Q2208-29	VY022575.D	05 Jun 2025 15:31	SY/MD	ReRun
18	Q2207-02	VY022576.D	05 Jun 2025 15:55	SY/MD	ReRun
19	Q2207-11	VY022577.D	05 Jun 2025 16:19	SY/MD	ReRun
20	Q2207-20	VY022578.D	05 Jun 2025 16:42	SY/MD	ReRun
21	Q2207-29	VY022579.D	05 Jun 2025 17:06	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM				
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2207-38	VY022580.D	05 Jun 2025 17:30	SY/MD	ReRun
23	Q2225-01	VY022581.D	05 Jun 2025 17:54	SY/MD	ReRun
24	Q2226-02	VY022582.D	05 Jun 2025 18:17	SY/MD	ReRun
25	Q2227-02	VY022583.D	05 Jun 2025 18:41	SY/MD	ReRun
26	VIBLK	VY022584.D	05 Jun 2025 19:05	SY/MD	Ok
27	VSTDCCC050	VY022585.D	05 Jun 2025 19:51	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 # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
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	VX046432.D	02 Jun 2025 09:42		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046433.D	02 Jun 2025 10:21	pH#Lot#V12668	JC/MD	Ok,M
3	VX0602MBL01	VX0602MBL01	VX046434.D	02 Jun 2025 10:51		JC/MD	Ok
4	VX0602WBL01	VX0602WBL01	VX046435.D	02 Jun 2025 11:14		JC/MD	Ok
5	VX0602WBS01	VX0602WBS01	VX046436.D	02 Jun 2025 11:37		JC/MD	Ok,M
6	VX0602WBSD01	VX0602WBSD01	VX046437.D	02 Jun 2025 12:04		JC/MD	Ok,M
7	IBLK	IBLK	VX046438.D	02 Jun 2025 12:27		JC/MD	Ok
8	Q2164-01	STORAGE-BLANK-SO	VX046439.D	02 Jun 2025 12:50	vial A pH<2	JC/MD	Ok
9	Q2164-02	STORAGE-BLANK-WA	VX046440.D	02 Jun 2025 13:14	vial A pH<2	JC/MD	Ok
10	Q2164-03	STORAGE-BLANK-WA	VX046441.D	02 Jun 2025 13:37	vial A pH<2	JC/MD	Ok
11	Q2164-04	STORAGE-BLANK-SA	VX046442.D	02 Jun 2025 14:00	vial A pH<2	JC/MD	Ok
12	Q2177-08	EB05312025	VX046443.D	02 Jun 2025 14:23	vial A pH<2 EB;Hit of comp.#16	JC/MD	ReRun
13	Q2177-09	TB05312025	VX046444.D	02 Jun 2025 14:47	vial A pH<2 TB	JC/MD	Ok
14	Q2157-01	291	VX046445.D	02 Jun 2025 15:36	cloth material	JC/MD	Ok
15	VX0602MBS01	VX0602MBS01	VX046446.D	02 Jun 2025 15:59		JC/MD	Ok,M
16	VX0602MBSD01	VX0602MBSD01	VX046447.D	02 Jun 2025 16:22		JC/MD	Ok,M
17	Q2155-01	446	VX046448.D	02 Jun 2025 16:46	Need Straight Run	JC/MD	Not Ok
18	Q2155-02	447-SOLID	VX046449.D	02 Jun 2025 17:09	Need Soil Run	JC/MD	Not Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060225

Review By	John Carlone	Review On	6/3/2025 9:49:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/3/2025 2:37:54 PM		
SubDirectory	VX060225	HP Acquire Method		HP Processing Method	82X050525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134094
Initial Calibration Stds	
CCC	VP134095,VP134096
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2161-01	B27-SOIL-SAMPLE	VX046450.D	02 Jun 2025 17:32		JC/MD	Ok
20	Q2161-02	B28-SOIL-SAMPLE	VX046451.D	02 Jun 2025 17:56	Need Soil Run	JC/MD	Ok
21	IBLK	IBLK	VX046452.D	02 Jun 2025 18:19		JC/MD	Ok
22	IBLK	IBLK	VX046453.D	02 Jun 2025 18:42		JC/MD	Ok
23	Q2177-08	EB05312025	VX046454.D	02 Jun 2025 19:06	vial B pH<2	JC/MD	Ok
24	Q2169-01	303-PPR-1	VX046455.D	02 Jun 2025 19:29	Need Straight Run	JC/MD	Not Ok
25	Q2169-03	303-PPR-2	VX046456.D	02 Jun 2025 19:52	Need Straight Run	JC/MD	Not Ok
26	Q2155-01	446	VX046457.D	02 Jun 2025 20:39	Need Soil Run	JC/MD	Not Ok
27	VSTDCCC050	VSTDCCC050EC	VX046458.D	02 Jun 2025 21:03		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 Not purge	SY/MD	Not 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 # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
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	VY022510.D	03 Jun 2025 09:03		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022511.D	03 Jun 2025 10:03		SY/MD	Ok,M
3	VY0603SBL01	VY0603SBL01	VY022512.D	03 Jun 2025 10:40		SY/MD	Ok
4	VY0603SBS01	VY0603SBS01	VY022513.D	03 Jun 2025 11:15		SY/MD	Ok,M
5	VY0603SBSD01	VY0603SBSD01	VY022514.D	03 Jun 2025 11:38		SY/MD	Ok,M
6	Q2155-01	446	VY022515.D	03 Jun 2025 12:17	vial-A	SY/MD	Ok
7	Q2155-02	447-SOLID	VY022516.D	03 Jun 2025 12:40	vial-A	SY/MD	Ok,M
8	Q2185-02	TP02-MHB-VOC	VY022517.D	03 Jun 2025 13:04	vial-A	SY/MD	Ok
9	Q2185-06	TP01-MHA-VOC	VY022518.D	03 Jun 2025 13:27	vial-A	SY/MD	Ok
10	Q2172-02	TP06-MHQ-VOC	VY022519.D	03 Jun 2025 13:51	vial-A	SY/MD	Ok
11	Q2168-03	A3	VY022520.D	03 Jun 2025 14:14	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
12	Q2168-07	B3	VY022521.D	03 Jun 2025 14:38	vial-A Need MeOH;Internal Standard Fail	SY/MD	Dilution
13	Q2168-11	C2	VY022522.D	03 Jun 2025 15:01	vial-A Need MeOH;Internal Standard Fail	SY/MD	Dilution
14	Q2182-01	OR-03-06022025	VY022523.D	03 Jun 2025 15:24	vial-A Internal Standard Fail	SY/MD	ReRun
15	Q2162-01	BP-VPB-182-GW-580-5	VY022524.D	03 Jun 2025 15:48	vial-A	SY/MD	Ok
16	Q2161-02	B28-SOIL-SAMPLE	VY022525.D	03 Jun 2025 16:11	vial-B Not purge	SY/MD	Not Ok
17	Q2176-01	TP-46	VY022526.D	03 Jun 2025 16:35	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060325

Review By	Mahesh Dadoda	Review On	6/4/2025 4:21:05 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/4/2025 4:23:38 PM		
SubDirectory	VY060325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134097
Initial Calibration Stds	
CCC	VP134098,VP134099
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2176-02	TP-56	VY022527.D	03 Jun 2025 16:58	vial-A	SY/MD	Ok
19	Q2176-03	TP-25	VY022528.D	03 Jun 2025 17:22	vial-A	SY/MD	Ok
20	Q2176-04	TP-26	VY022529.D	03 Jun 2025 17:45	vial-A	SY/MD	Ok
21	Q2176-05	TP-28	VY022530.D	03 Jun 2025 18:09	vial-A	SY/MD	Ok
22	Q2176-06	TP-27	VY022531.D	03 Jun 2025 18:32	vial-A	SY/MD	Ok
23	Q2176-07	TP-31	VY022532.D	03 Jun 2025 18:56	vial-A	SY/MD	Ok
24	Q2176-08	TP-65	VY022533.D	03 Jun 2025 19:19	vial-A	SY/MD	Ok
25	Q2177-01	B-187-SB00	VY022534.D	03 Jun 2025 19:42	vial-A	SY/MD	Ok
26	VIBLK	VIBLK	VY022535.D	03 Jun 2025 20:06		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VY022536.D	03 Jun 2025 20:51		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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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	

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

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM		
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
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	VY022559.D	05 Jun 2025 08:08		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022560.D	05 Jun 2025 08:40		SY/MD	Ok,M
3	VY0605SBL01	VY0605SBL01	VY022561.D	05 Jun 2025 09:11		SY/MD	Ok
4	VY0605SBS01	VY0605SBS01	VY022562.D	05 Jun 2025 09:41		SY/MD	Ok,M
5	VY0605SBSD01	VY0605SBSD01	VY022563.D	05 Jun 2025 10:31		SY/MD	Ok,M
6	Q2199-02RE	ETGI-343RE	VY022564.D	05 Jun 2025 11:12	vial-B Internal Standard Fail; Surrogate Fail	SY/MD	Confirms
7	Q2199-06	72-11978	VY022565.D	05 Jun 2025 11:35	vial-B Already analyzed	SY/MD	Not Ok
8	Q2194-03	COMP-13	VY022566.D	05 Jun 2025 11:59	vial-B	SY/MD	Ok
9	Q2195-01RE	OK-01-060325RE	VY022567.D	05 Jun 2025 12:22	Internal Standard Fail	SY/MD	Confirms
10	Q2177-06	B-202-SB01	VY022568.D	05 Jun 2025 12:45	vial-B	SY/MD	Ok
11	Q2219-01	72-11995	VY022569.D	05 Jun 2025 13:09	vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
12	Q2214-01	RBR251425	VY022570.D	05 Jun 2025 13:33	vial-A NOT purged	SY/MD	Not Ok
13	Q2224-01	EO-01-06042025	VY022571.D	05 Jun 2025 13:56	vial-A Internal Standard Fail	SY/MD	ReRun
14	Q2208-02	BU-703-VOC-06	VY022572.D	05 Jun 2025 14:20	vial-A Internal Standard Fail	SY/MD	ReRun
15	Q2208-11	BU-703-VOC-07	VY022573.D	05 Jun 2025 14:44	vial-A Internal Standard Fail	SY/MD	ReRun
16	Q2208-20	BU-703-VOC-08	VY022574.D	05 Jun 2025 15:07	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q2208-29	BU-703-VOC-09	VY022575.D	05 Jun 2025 15:31	vial-A Internal Standard Fail	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY060525

Review By	Mahesh Dadoda	Review On	6/6/2025 5:55:27 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/6/2025 5:56:08 PM		
SubDirectory	VY060525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y060225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134127
Initial Calibration Stds	
CCC	VP134128,VP134129
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2207-02	BU-703-VOC-01	VY022576.D	05 Jun 2025 15:55	vial-A Internal Standard Fail	SY/MD	ReRun
19	Q2207-11	BU-703-VOC-02	VY022577.D	05 Jun 2025 16:19	vial-A Internal Standard Fail	SY/MD	ReRun
20	Q2207-20	BU-703-VOC-03	VY022578.D	05 Jun 2025 16:42	vial-A Internal Standard Fail	SY/MD	ReRun
21	Q2207-29	BU-703-VOC-04	VY022579.D	05 Jun 2025 17:06	vial-A Internal Standard Fail	SY/MD	ReRun
22	Q2207-38	BU-703-VOC-05	VY022580.D	05 Jun 2025 17:30	vial-A Internal Standard Fail	SY/MD	ReRun
23	Q2225-01	SU-03-06042025	VY022581.D	05 Jun 2025 17:54	vial-A Internal Standard Fail	SY/MD	ReRun
24	Q2226-02	TP06-MHI-VOC	VY022582.D	05 Jun 2025 18:17	vial-A Internal Standard Fail	SY/MD	ReRun
25	Q2227-02	TP07-MHH-VOC	VY022583.D	05 Jun 2025 18:41	vial-A Internal Standard Fail	SY/MD	ReRun
26	VIBLK	VIBLK	VY022584.D	05 Jun 2025 19:05		SY/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VY022585.D	05 Jun 2025 19:51		SY/MD	Ok,M

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LAB CHRONICLE

OrderID:	Q2177	**OrderDate:**	6/2/2025 11:19:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2177-01	**B-187-SB00**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/03/25	
Q2177-02	**B-187-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/04/25	
Q2177-03	**B-187-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-04	**B-187-SB02**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/04/25	
Q2177-05	**B-187-SB02**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-06	**B-202-SB01**	**SOIL**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260D			06/05/25	
Q2177-07	**B-202-SB01**	**TCLP**			**05/31/25**			**06/02/25**
			TCLP VOA	8260D			06/03/25	
Q2177-08	**EB05312025**	**Water**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260-Low			06/02/25	
Q2177-09	**TB05312025**	**Water**			**05/31/25**			**06/02/25**
			VOC-TCLVOA-10	8260-Low			06/02/25	