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

Hit Summary Sheet
SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**B-158-SB02**							
Q1744-03	B-158-SB02	SOIL	Acetone	340		7.90	41.8	ug/Kg
Q1744-03	B-158-SB02	SOIL	2-Butanone	84.8		10.9	41.8	ug/Kg
			Total Voc :	425				
			Total Concentration:	425				

SAMPLE DATA

Raw Data: **VY021835.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
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
VY021835.D	1		04/10/25 14:03	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.80	U	0.80	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.75	U	0.75	3.70	ug/Kg
67-64-1	Acetone	3.50	U	3.50	18.7	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	3.70	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.86	U	0.86	3.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.70	U	0.70	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.7	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

Raw Data: **VY021835.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
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
VY021835.D	1		04/10/25 14:03	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	18.7	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	7.50	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		70 (63) - 130 (155)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.5		70 (38) - 130 (136)	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.713			
540-36-3	1,4-Difluorobenzene	410000	8.616			
3114-55-4	Chlorobenzene-d5	351000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	126000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB01	SDG No.:	Q1744
Lab Sample ID:	Q1744-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90
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
VY021835.D	1		04/10/25 14:03	VY041025

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:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	56
Sample Wt/Vol:	5.34 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
VY021836.D	1		04/10/25 14:26	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	8.40	ug/Kg
74-87-3	Chloromethane	1.90	U	1.90	8.40	ug/Kg
75-01-4	Vinyl Chloride	1.30	U	1.30	8.40	ug/Kg
74-83-9	Bromomethane	1.80	U	1.80	8.40	ug/Kg
75-00-3	Chloroethane	2.10	U	2.10	8.40	ug/Kg
75-69-4	Trichlorofluoromethane	2.00	U	2.00	8.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.80	U	1.80	8.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.70	U	1.70	8.40	ug/Kg
67-64-1	Acetone	340		7.90	41.8	ug/Kg
75-15-0	Carbon Disulfide	1.80	U	1.80	8.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.20	U	1.20	8.40	ug/Kg
79-20-9	Methyl Acetate	2.60	U	2.60	8.40	ug/Kg
75-09-2	Methylene Chloride	5.90	U	5.90	16.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.40	U	1.40	8.40	ug/Kg
75-34-3	1,1-Dichloroethane	1.30	U	1.30	8.40	ug/Kg
110-82-7	Cyclohexane	1.30	U	1.30	8.40	ug/Kg
78-93-3	2-Butanone	84.8		10.9	41.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.60	U	1.60	8.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.30	U	1.30	8.40	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	8.40	ug/Kg
67-66-3	Chloroform	1.40	U	1.40	8.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.60	U	1.60	8.40	ug/Kg
108-87-2	Methylcyclohexane	1.50	U	1.50	8.40	ug/Kg
71-43-2	Benzene	1.30	U	1.30	8.40	ug/Kg
107-06-2	1,2-Dichloroethane	1.30	U	1.30	8.40	ug/Kg
79-01-6	Trichloroethene	1.40	U	1.40	8.40	ug/Kg
78-87-5	1,2-Dichloropropane	1.50	U	1.50	8.40	ug/Kg
75-27-4	Bromodichloromethane	1.30	U	1.30	8.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.00	U	6.00	41.8	ug/Kg
108-88-3	Toluene	1.30	U	1.30	8.40	ug/Kg

Raw Data: **VY021836.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	56
Sample Wt/Vol:	5.34 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
VY021836.D	1		04/10/25 14:26	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.10	U	1.10	8.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.00	U	1.00	8.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.50	U	1.50	8.40	ug/Kg
591-78-6	2-Hexanone	6.20	U	6.20	41.8	ug/Kg
124-48-1	Dibromochloromethane	1.50	U	1.50	8.40	ug/Kg
106-93-4	1,2-Dibromoethane	1.50	U	1.50	8.40	ug/Kg
127-18-4	Tetrachloroethene	1.80	U	1.80	8.40	ug/Kg
108-90-7	Chlorobenzene	1.50	U	1.50	8.40	ug/Kg
100-41-4	Ethyl Benzene	1.10	U	1.10	8.40	ug/Kg
179601-23-1	m/p-Xylenes	2.10	U	2.10	16.7	ug/Kg
95-47-6	o-Xylene	1.40	U	1.40	8.40	ug/Kg
100-42-5	Styrene	1.20	U	1.20	8.40	ug/Kg
75-25-2	Bromoform	1.40	U	1.40	8.40	ug/Kg
98-82-8	Isopropylbenzene	1.30	U	1.30	8.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.00	U	2.00	8.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.90	U	2.90	8.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.60	U	2.60	8.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.40	U	2.40	8.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3.10	U	3.10	8.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	5.00	8.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.30	U	5.30	8.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		70 (63) - 130 (155)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.6		70 (38) - 130 (136)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	222000	7.707			
540-36-3	1,4-Difluorobenzene	408000	8.616			
3114-55-4	Chlorobenzene-d5	346000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.346			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	04/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/07/25
Client Sample ID:	B-158-SB02	SDG No.:	Q1744
Lab Sample ID:	Q1744-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	56
Sample Wt/Vol:	5.34 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
VY021836.D	1		04/10/25 14:26	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

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

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1744-01	B-158-SB01	1,2-Dichloroethane-d4	50	57.3	115	70 (63)	130 (155)
		Dibromofluoromethane	50	52.6	105	70 (70)	130 (134)
		Toluene-d8	50	49.1	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.5	81	70 (38)	130 (136)
Q1744-03	B-158-SB02	1,2-Dichloroethane-d4	50	55.9	112	70 (63)	130 (155)
		Dibromofluoromethane	50	52.6	105	70 (70)	130 (134)
		Toluene-d8	50	49.1	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.6	75	70 (38)	130 (136)
VY0410SBL01	VY0410SBL01	1,2-Dichloroethane-d4	50	46.6	93	70 (63)	130 (155)
		Dibromofluoromethane	50	49.9	100	70 (70)	130 (134)
		Toluene-d8	50	48.5	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	38.3	77	70 (38)	130 (136)
VY0410SBS01	VY0410SBS01	1,2-Dichloroethane-d4	50	49.2	98	70 (63)	130 (155)
		Dibromofluoromethane	50	53.4	107	70 (70)	130 (134)
		Toluene-d8	50	54.3	109	70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.3	107	70 (38)	130 (136)
VY0410SBSD01	VY0410SBSD01	1,2-Dichloroethane-d4	50	48.5	97	70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102	70 (70)	130 (134)
		Toluene-d8	50	51.4	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.7	101	70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021828.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0410SBS01	Dichlorodifluoromethane	20	18.4	ug/Kg	92			40 (64)	160 (136)	
	Chloromethane	20	19.9	ug/Kg	100			40 (70)	160 (130)	
	Vinyl chloride	20	19.2	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	19.0	ug/Kg	95			40 (58)	160 (141)	
	Chloroethane	20	19.3	ug/Kg	97			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.0	ug/Kg	100			70 (79)	130 (121)	
	Acetone	100	92.0	ug/Kg	92			40 (60)	160 (131)	
	Carbon disulfide	20	18.6	ug/Kg	93			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	17.4	ug/Kg	87			70 (77)	130 (129)	
	Methyl Acetate	20	18.0	ug/Kg	90			70 (69)	130 (149)	
	Methylene Chloride	20	20.7	ug/Kg	104			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	Cyclohexane	20	18.4	ug/Kg	92			70 (76)	130 (122)	
	2-Butanone	100	87.3	ug/Kg	87			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.6	ug/Kg	103			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	Bromochloromethane	20	19.5	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101			70 (80)	130 (126)	
	Methylcyclohexane	20	19.6	ug/Kg	98			70 (77)	130 (123)	
	Benzene	20	20.4	ug/Kg	102			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.7	ug/Kg	104			70 (83)	130 (122)	
	Bromodichloromethane	20	20.4	ug/Kg	102			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	85.8	ug/Kg	86			40 (70)	160 (135)	
	Toluene	20	21.0	ug/Kg	105			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	86.4	ug/Kg	86			40 (66)	160 (138)	
	Dibromochloromethane	20	20.1	ug/Kg	101			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	20.9	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	20.6	ug/Kg	103			70 (84)	130 (122)	
	Ethyl Benzene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	m/p-Xylenes	40	42.1	ug/Kg	105			70 (83)	130 (124)	
	o-Xylene	20	20.4	ug/Kg	102			70 (83)	130 (123)	
	Styrene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	Bromoform	20	19.5	ug/Kg	98			70 (75)	130 (127)	
	Isopropylbenzene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/Kg	91			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021828.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0410SBS01	1,2-Dibromo-3-Chloropropane	20	17.6	ug/Kg	88			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.6	ug/Kg	98			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021829.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0410SBSD01	Dichlorodifluoromethane	20	18.2	ug/Kg	91	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.7	ug/Kg	99	1		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.6	ug/Kg	93	3		70 (72)	130 (129)	30 (20)
	Bromomethane	20	18.7	ug/Kg	94	1		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.1	ug/Kg	96	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.3	ug/Kg	97	0		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100	3		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	18.8	ug/Kg	94	6		70 (79)	130 (121)	30 (20)
	Acetone	100	94.7	ug/Kg	95	3		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	18.3	ug/Kg	92	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	18.7	ug/Kg	94	8		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.8	ug/Kg	104	14		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	20.0	ug/Kg	100	4		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.3	ug/Kg	97	1		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.9	ug/Kg	100	2		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	18.1	ug/Kg	91	1		70 (76)	130 (122)	30 (20)
	2-Butanone	100	92.4	ug/Kg	92	6		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.1	ug/Kg	101	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	19.3	ug/Kg	97	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	19.3	ug/Kg	97	1		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.1	ug/Kg	101	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99	2		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.1	ug/Kg	96	2		70 (77)	130 (123)	30 (20)
	Benzene	20	20.3	ug/Kg	102	0		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.0	ug/Kg	100	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.5	ug/Kg	103	0		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.3	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.6	ug/Kg	103	1		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	96.0	ug/Kg	96	11		40 (70)	160 (135)	30 (20)
	Toluene	20	20.7	ug/Kg	104	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.1	ug/Kg	96	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104	4		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	94.7	ug/Kg	95	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.8	ug/Kg	104	3		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.9	ug/Kg	100	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.6	ug/Kg	103	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.1	ug/Kg	101	2		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.9	ug/Kg	100	3		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.6	ug/Kg	102	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.2	ug/Kg	101	1		70 (83)	130 (123)	30 (20)
	Styrene	20	20.3	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.2	ug/Kg	101	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.1	ug/Kg	96	3		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	18.6	ug/Kg	93	2		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100	3		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101	2		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101	1		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1744

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY021829.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0410SBSD01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98	11		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.7	ug/Kg	104	3		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	21.0	ug/Kg	105	7		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0410SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: VY021827.D Lab Sample ID: VY0410SBL01

Date Analyzed: 04/10/2025 Time Analyzed: 10:28

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
VY0410SBS01	VY0410SBS01	VY021828.D	04/10/2025
VY0410SBSD01	VY0410SBSD01	VY021829.D	04/10/2025
B-158-SB01	Q1744-01	VY021835.D	04/10/2025
B-158-SB02	Q1744-03	VY021836.D	04/10/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: VY021655.D BFB Injection Date: 03/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:23

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	20.4
75	30.0 - 60.0% of mass 95	53
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	1.7 (2) 1
174	50.0 - 100.0% of mass 95	86.7
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.9 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021656.D	03/27/2025	10:08
VSTDICC010	VSTDICC010	VY021657.D	03/27/2025	10:31
VSTDICC020	VSTDICC020	VY021658.D	03/27/2025	10:54
VSTDICCC050	VSTDICCC050	VY021659.D	03/27/2025	11:16
VSTDICC100	VSTDICC100	VY021660.D	03/27/2025	11:39
VSTDICC150	VSTDICC150	VY021661.D	03/27/2025	12:02

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: VY021825.D BFB Injection Date: 04/10/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:34

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	20.3
75	30.0 - 60.0% of mass 95	54.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	6.7 (8.2) 1
176	95.0 - 101.0% of mass 174	78.2 (95.7) 1
177	5.0 - 9.0% of mass 176	5.1 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021826.D	04/10/2025	09:51
VY0410SBL01	VY0410SBL01	VY021827.D	04/10/2025	10:28
VY0410SBS01	VY0410SBS01	VY021828.D	04/10/2025	10:59
VY0410SBSD01	VY0410SBSD01	VY021829.D	04/10/2025	11:22
B-158-SB01	Q1744-01	VY021835.D	04/10/2025	14:03
B-158-SB02	Q1744-03	VY021836.D	04/10/2025	14:26

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: VY021826.D Date Analyzed: 04/10/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:51

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	208417	7.71	315600	8.62	284701	11.42
UPPER LIMIT	416834	8.213	631200	9.122	569402	11.92
LOWER LIMIT	104209	7.213	157800	8.122	142351	10.92
EPA SAMPLE NO.						
B-158-SB01	219582	7.71	409739	8.62	351379	11.42
B-158-SB02	221830	7.71	407665	8.62	345604	11.42
VY0410SBL01	241941	7.71	436661	8.62	362482	11.42
VY0410SBS01	202932	7.71	310477	8.62	276303	11.42
VY0410SBSD01	207811	7.71	318832	8.62	284393	11.42

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.: Q1744 SAS No.: Q1744 SDG NO.: Q1744

Lab File ID: VY021826.D Date Analyzed: 04/10/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:51

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

	IS4 AREA #	RT #				
12 HOUR STD	147243	13.353				
UPPER LIMIT	294486	13.853				
LOWER LIMIT	73621.5	12.853				
EPA SAMPLE NO.						
B-158-SB01	126397	13.35				
B-158-SB02	111730	13.35				
VY0410SBL01	131635	13.35				
VY0410SBS01	144045	13.35				
VY0410SBSD01	148690	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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0410SBL01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021827.D	1		04/10/25 10:28	VY041025

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

Raw Data: **VY021827.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:	VY0410SBL01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021827.D	1		04/10/25 10:28	VY041025

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	46.6		70 (63) - 130 (155)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	38.3		70 (38) - 130 (136)	77%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	242000	7.713			
540-36-3	1,4-Difluorobenzene	437000	8.616			
3114-55-4	Chlorobenzene-d5	362000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	132000	13.352			

Raw Data: **VY021827.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:	VY0410SBL01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021827.D	1		04/10/25 10:28	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0410SBS01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021828.D	1		04/10/25 10:59	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.0		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.4		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	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	92.0		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	17.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.7		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.6		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.4		0.79	5.00	ug/Kg
78-93-3	2-Butanone	87.3		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.7		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.0		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.7		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	85.8		3.60	25.0	ug/Kg
108-88-3	Toluene	21.0		0.78	5.00	ug/Kg

Raw Data: **VY021828.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:	VY0410SBS01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021828.D	1		04/10/25 10:59	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	86.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.6		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.1		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.82	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.3		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.6		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	54.3		70 (74) - 130 (123)	109%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		70 (38) - 130 (136)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	7.713			
540-36-3	1,4-Difluorobenzene	310000	8.616			
3114-55-4	Chlorobenzene-d5	276000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.353			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0410SBS01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021828.D	1		04/10/25 10:59	VY041025

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:	VY0410SBSD01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021829.D	1		04/10/25 11:22	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.2		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	18.7		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.8		1.00	5.00	ug/Kg
67-64-1	Acetone	94.7		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.3		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.7		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.8		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.9		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	92.4		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.7		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		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	20.7		0.78	5.00	ug/Kg

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

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0410SBSD01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021829.D	1		04/10/25 11:22	VY041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	94.7		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.6		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.1		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	19.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		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	20.7		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	208000	7.707			
540-36-3	1,4-Difluorobenzene	319000	8.615			
3114-55-4	Chlorobenzene-d5	284000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	149000	13.346			

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

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0410SBSD01	SDG No.:	Q1744
Lab Sample ID:	VY0410SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021829.D	1		04/10/25 11:22	VY041025

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.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.4
Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.6
Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.5
Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.9
Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.5
Trichlorofluoromethane	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.5
1,1,2-Trichlorotrifluoroethane	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.4
1,1-Dichloroethene	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.2
Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.3
Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.4
Methyl tert-butyl Ether	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.9
Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	11
Methylene Chloride	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.8
trans-1,2-Dichloroethene	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.3
1,1-Dichloroethane	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.3
Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.1
2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.9
Carbon Tetrachloride	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.9
cis-1,2-Dichloroethene	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.3
Bromochloromethane	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.3
Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.9
1,1,1-Trichloroethane	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.3
Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.5
Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.6
1,2-Dichloroethane	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.1
Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.4
1,2-Dichloropropane	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.2
Bromodichloromethane	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6
4-Methyl-2-Pentanone	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.9
Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3

* 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.

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.5
cis-1,3-Dichloropropene	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.6
1,1,2-Trichloroethane	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.9
2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.2
Dibromochloromethane	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.1
1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.3
Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.3
Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.3
Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.9
m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.2
o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.4
Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.8
Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.4
Isopropylbenzene	3.628	3.701	3.582	3.826	3.843	3.702	3.714	2.8
1,1,2,2-Tetrachloroethane	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.1
1,3-Dichlorobenzene	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.2
1,4-Dichlorobenzene	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.2
1,2-Dichlorobenzene	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.9
1,2-Dibromo-3-Chloropropane	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.6
1,2,4-Trichlorobenzene	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.6
1,2,3-Trichlorobenzene	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.1
1,2-Dichloroethane-d4	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.5
Dibromofluoromethane	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7
Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.1
4-Bromofluorobenzene	0.447	0.410	0.378	0.439	0.424	0.407	0.417	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.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: MSVOA_Y Calibration Date/Time: 04/10/2025 09:51

Lab File ID: VY021826.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.473		-8.69	20
Chloromethane	0.729	0.722	0.1	-0.96	20
Vinyl Chloride	0.824	0.777		-5.7	20
Bromomethane	0.562	0.510		-9.25	20
Chloroethane	0.539	0.515		-4.45	20
Trichlorofluoromethane	1.056	0.995		-5.78	20
1,1,2-Trichlorotrifluoroethane	0.557	0.548		-1.62	20
1,1-Dichloroethene	0.524	0.521		-0.57	20
Acetone	0.111	0.105		-5.41	20
Carbon Disulfide	1.727	1.642		-4.92	20
Methyl tert-butyl Ether	1.306	1.226		-6.13	20
Methyl Acetate	0.275	0.298		8.36	20
Methylene Chloride	0.626	0.577		-7.83	20
trans-1,2-Dichloroethene	0.577	0.585		1.39	20
1,1-Dichloroethane	1.049	1.074	0.1	2.38	20
Cyclohexane	0.956	0.885		-7.43	20
2-Butanone	0.158	0.140		-11.39	20
Carbon Tetrachloride	0.566	0.596		5.3	20
cis-1,2-Dichloroethene	0.649	0.671		3.39	20
Bromochloromethane	0.442	0.448		1.36	20
Chloroform	1.091	1.115		2.2	20
1,1,1-Trichloroethane	0.986	1.001		1.52	20
Methylcyclohexane	0.590	0.615		4.24	20
Benzene	1.479	1.589		7.44	20
1,2-Dichloroethane	0.417	0.422		1.2	20
Trichloroethene	0.377	0.407		7.96	20
1,2-Dichloropropane	0.350	0.377		7.71	20
Bromodichloromethane	0.523	0.551		5.35	20
4-Methyl-2-Pentanone	0.230	0.211		-8.26	20
Toluene	0.923	1.022		10.73	20
t-1,3-Dichloropropene	0.465	0.471		1.29	20
cis-1,3-Dichloropropene	0.548	0.564		2.92	20
1,1,2-Trichloroethane	0.260	0.265		1.92	20
2-Hexanone	0.153	0.145		-5.23	20
Dibromochloromethane	0.355	0.370		4.22	20
1,2-Dibromoethane	0.244	0.244		0	20
Tetrachloroethene	0.455	0.482		5.93	20
Chlorobenzene	1.146	1.216	0.3	6.11	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.: Q1744 SAS No.: Q1744 SDG No.: Q1744

Instrument ID: MSVOA_Y Calibration Date/Time: 04/10/2025 09:51

Lab File ID: VY021826.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.965	2.166		10.23	20
m/p-Xylenes	0.753	0.846		12.35	20
o-Xylene	0.695	0.776		11.65	20
Styrene	1.158	1.305		12.69	20
Bromoform	0.232	0.227	0.1	-2.15	20
Isopropylbenzene	3.714	3.986		7.32	20
1,1,2,2-Tetrachloroethane	0.668	0.605	0.3	-9.43	20
1,3-Dichlorobenzene	1.757	1.868		6.32	20
1,4-Dichlorobenzene	1.736	1.812		4.38	20
1,2-Dichlorobenzene	1.529	1.605		4.97	20
1,2-Dibromo-3-Chloropropane	0.103	0.091		-11.65	20
1,2,4-Trichlorobenzene	0.829	0.913		10.13	20
1,2,3-Trichlorobenzene	0.707	0.777		9.9	20
1,2-Dichloroethane-d4	0.542	0.533		-1.66	20
Dibromofluoromethane	0.324	0.356		9.88	20
Toluene-d8	1.234	1.384		12.16	20
4-Bromofluorobenzene	0.417	0.462		10.79	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\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Quant Time: Apr 11 01:50:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

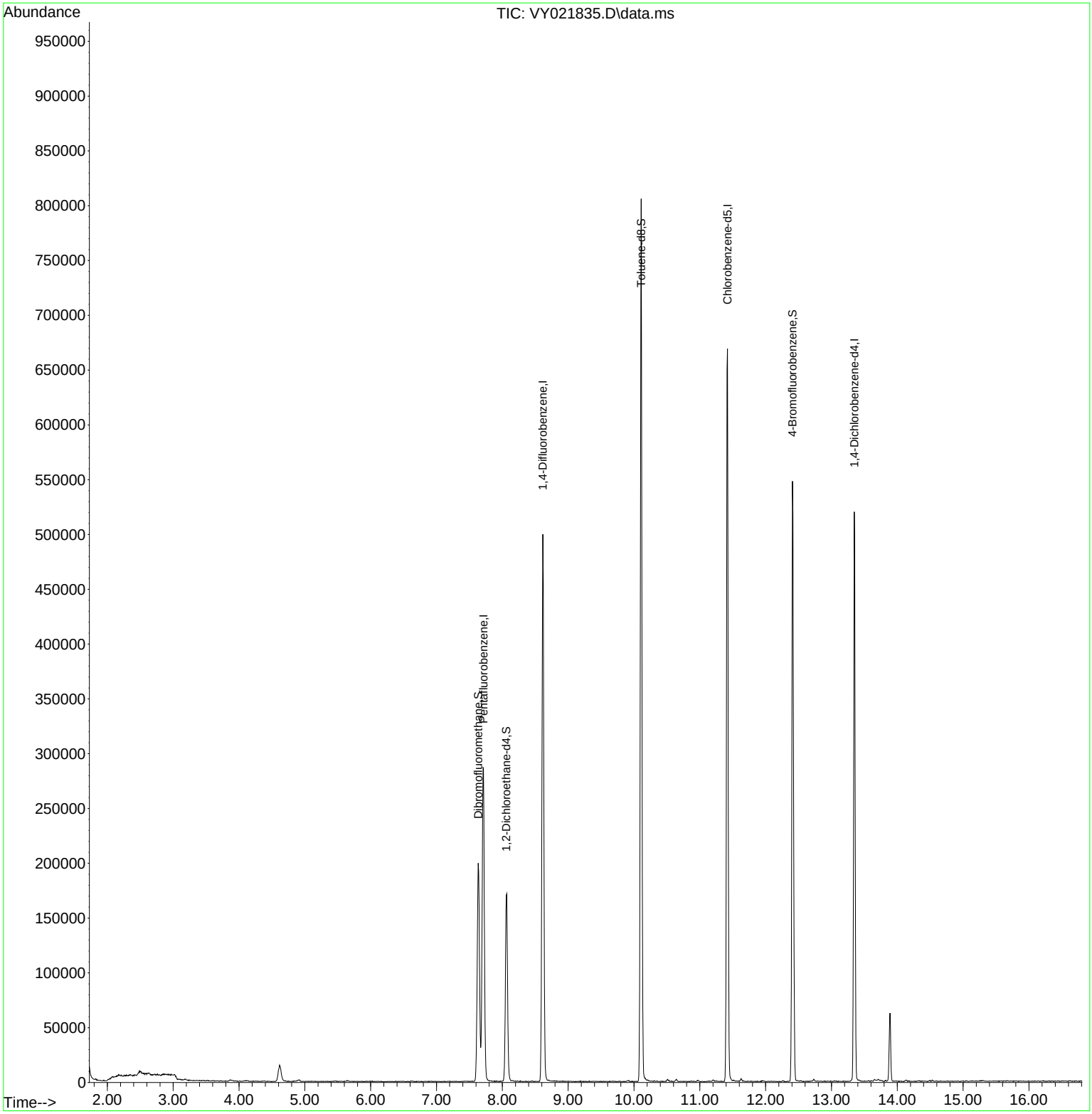
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	219582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	409739	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	351379	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	126397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136380	57.324	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.640%			
35) Dibromofluoromethane	7.634	113	139811	52.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.200%			
50) Toluene-d8	10.109	98	496263	49.079	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.160%			
62) 4-Bromofluorobenzene	12.408	95	138498	40.494	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.980%			
Target Compounds						Qvalue

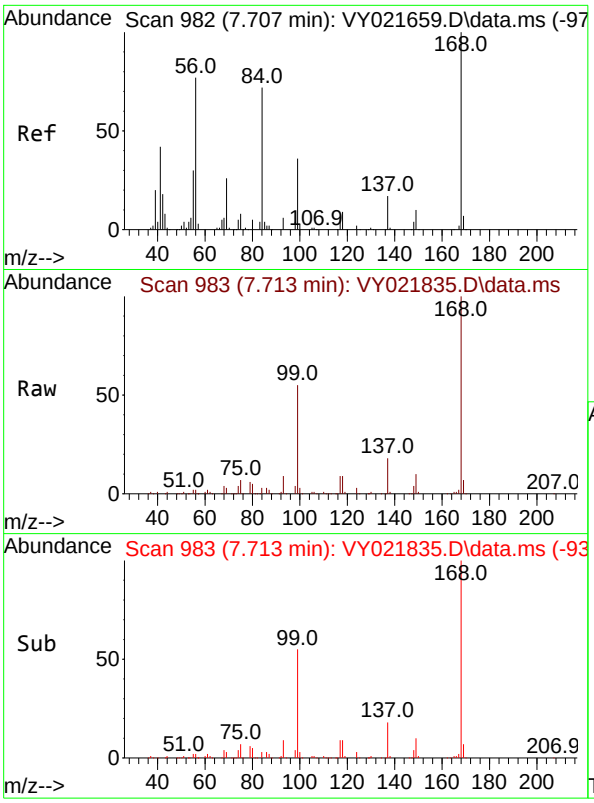
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Quant Time: Apr 11 01:50:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



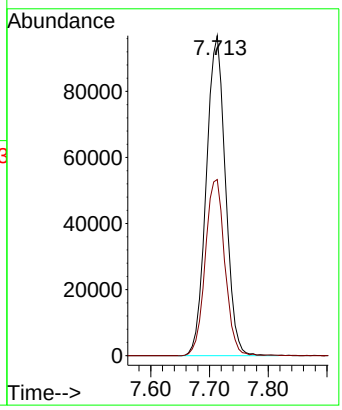


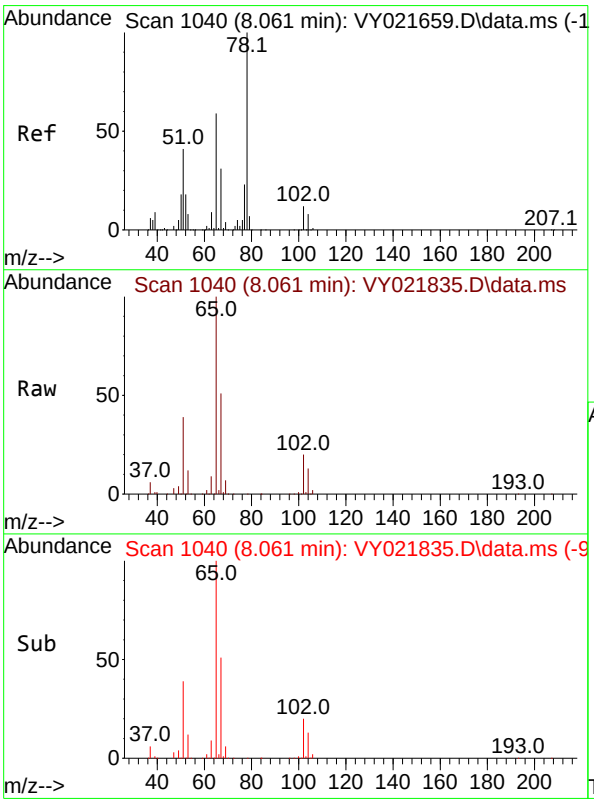
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Tgt Ion:168 Resp: 219582

Ion	Ratio	Lower	Upper
168	100		
99	55.0	46.7	70.1

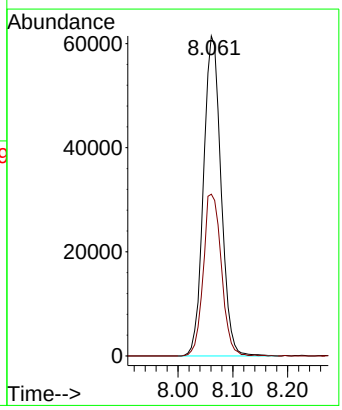


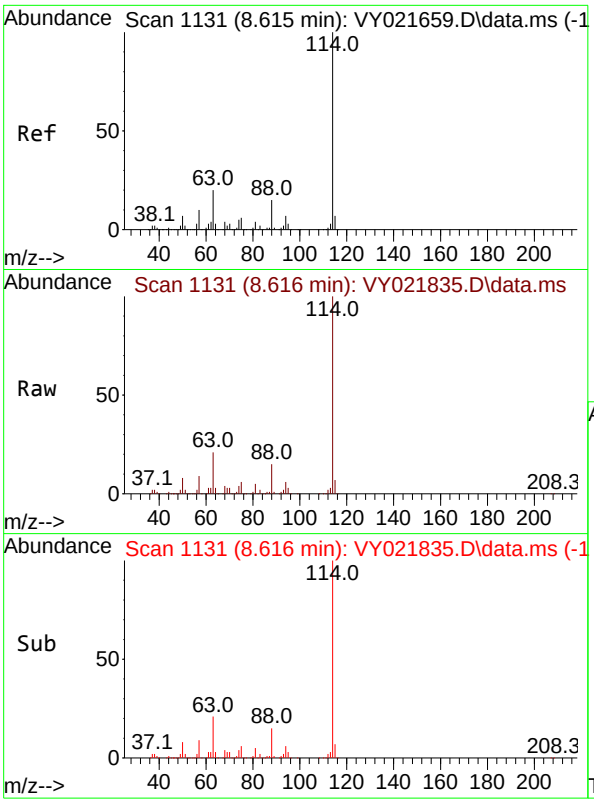


#33
1,2-Dichloroethane-d4
Concen: 57.324 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Tgt Ion: 65 Resp: 136380

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6



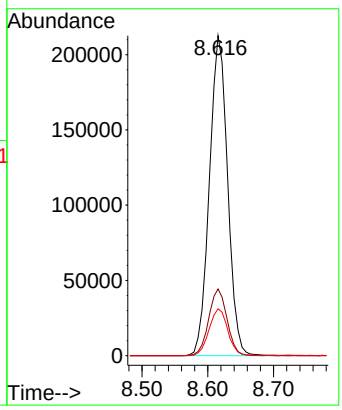


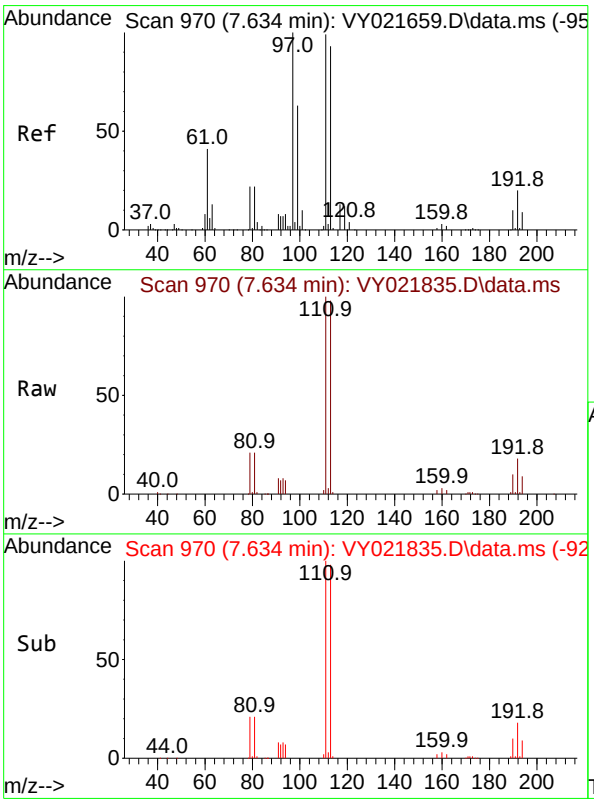
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Tgt Ion:114 Resp: 409739

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.2
88	14.6	0.0	29.8

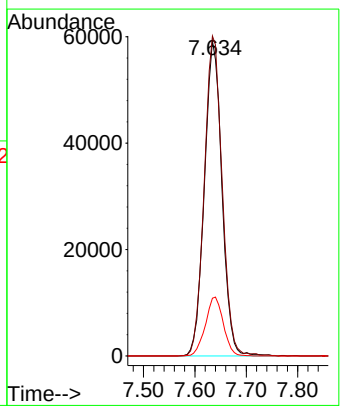


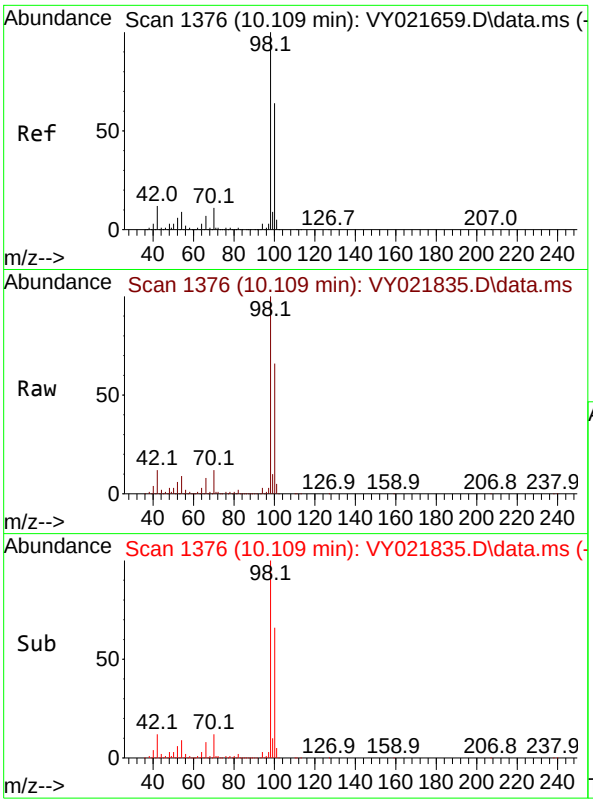


#35
Dibromofluoromethane
Concen: 52.602 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Tgt Ion:113 Resp: 139811

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.2	16.2	24.4



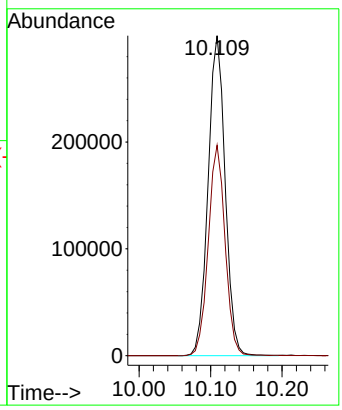


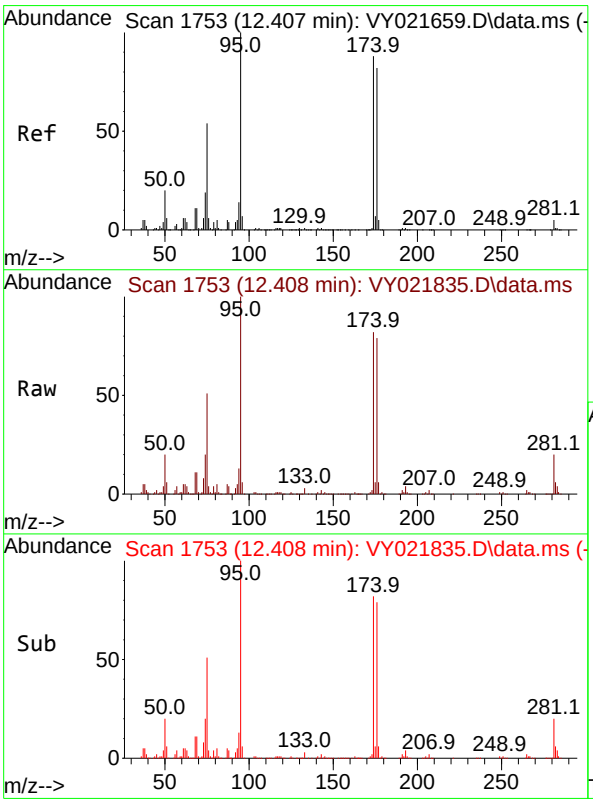
#50
Toluene-d8
Concen: 49.079 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Tgt Ion: 98 Resp: 496263

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

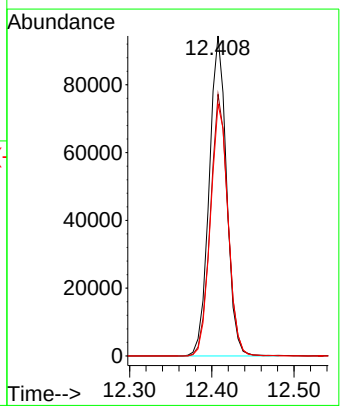


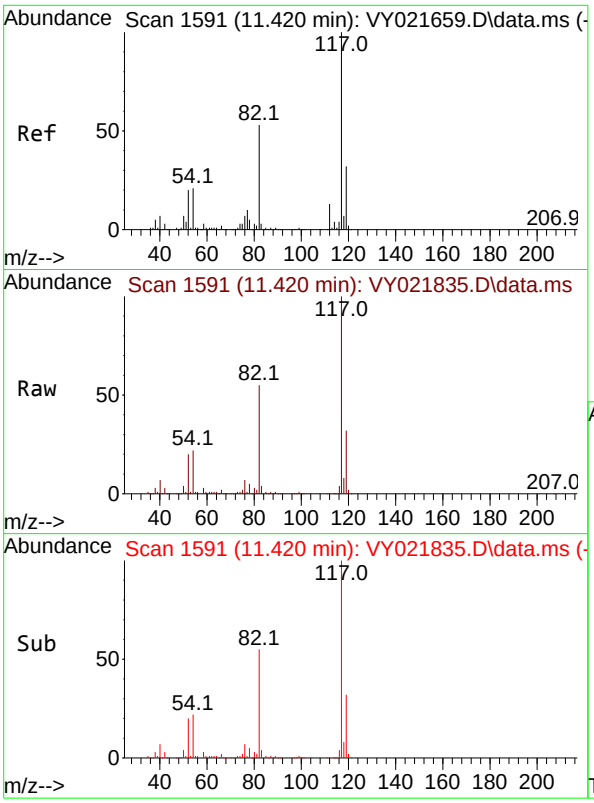


#62
4-Bromofluorobenzene
Concen: 40.494 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Tgt Ion: 95 Resp: 138498

Ion	Ratio	Lower	Upper
95	100		
174	81.8	0.0	170.8
176	80.0	0.0	162.0



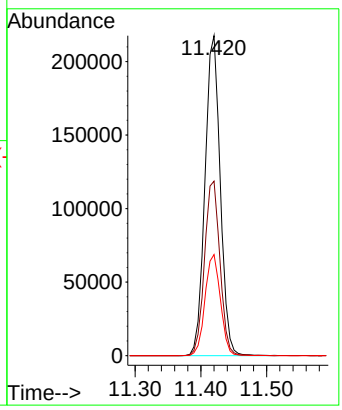


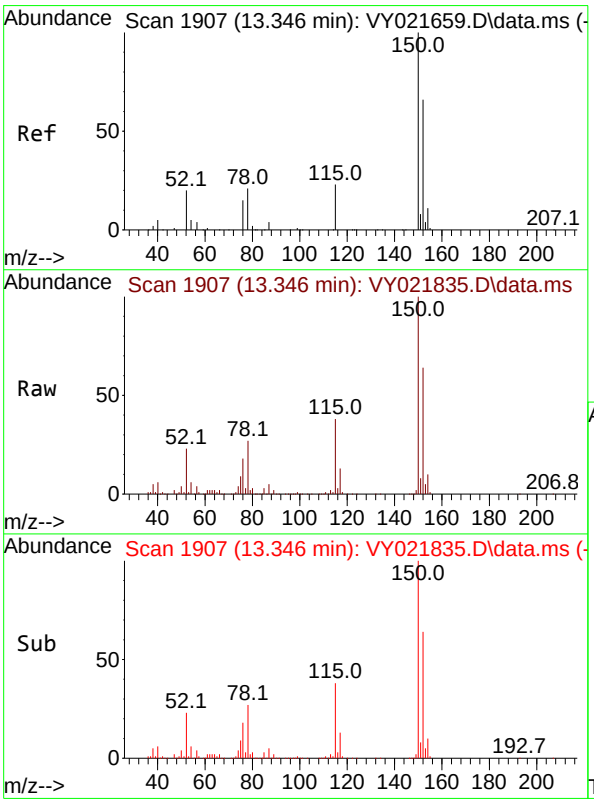
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Tgt Ion:117 Resp: 351379

Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.8	64.2
119	31.6	25.7	38.5

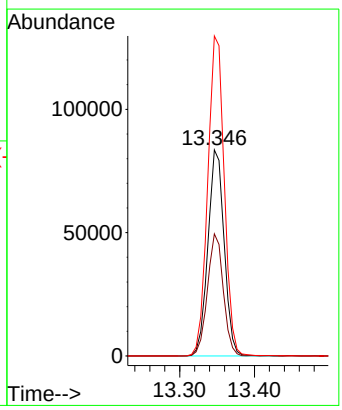




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021835.D
Acq: 10 Apr 2025 14:03

Tgt Ion:152 Resp: 126397

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.8	86.5
150	157.9	0.0	348.4



Sample Results: **VY021835.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021835.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	4.616	464	475	487	rBV	14867	47330	3.53%	0.692%
2	7.634	959	970	976	rBV	199139	474119	35.37%	6.932%
3	7.707	976	982	997	rVB	286217	670845	50.05%	9.809%
4	8.067	1031	1041	1052	rBV	170915	385357	28.75%	5.635%
5	8.616	1123	1131	1143	rBV	499187	973174	72.61%	14.230%
6	10.109	1367	1376	1389	rBV	805486	1340293	100.00%	19.597%
7	11.420	1582	1591	1603	rBV	668603	1103309	82.32%	16.132%
8	12.408	1746	1753	1763	rBV2	547480	956899	71.39%	13.992%
9	13.346	1896	1907	1916	rBV	519541	788395	58.82%	11.528%
10	13.889	1988	1996	2003	rVB2	62237	99390	7.42%	1.453%

Sum of corrected areas: 6839111

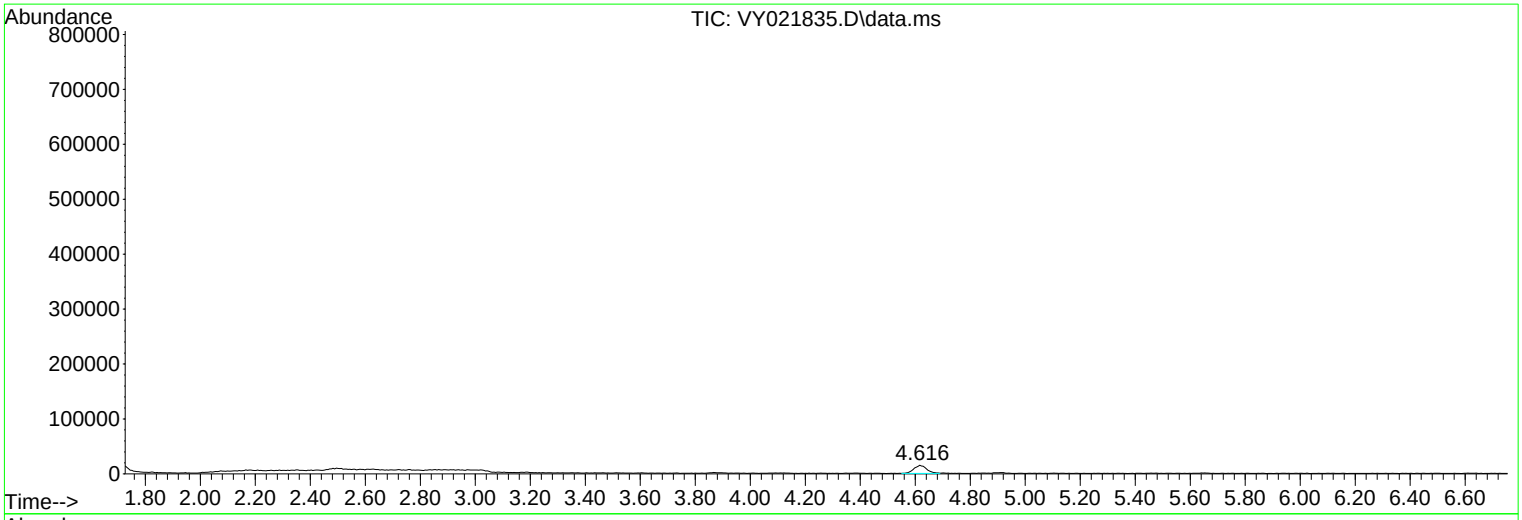
Sample Results: **VY021835.D**

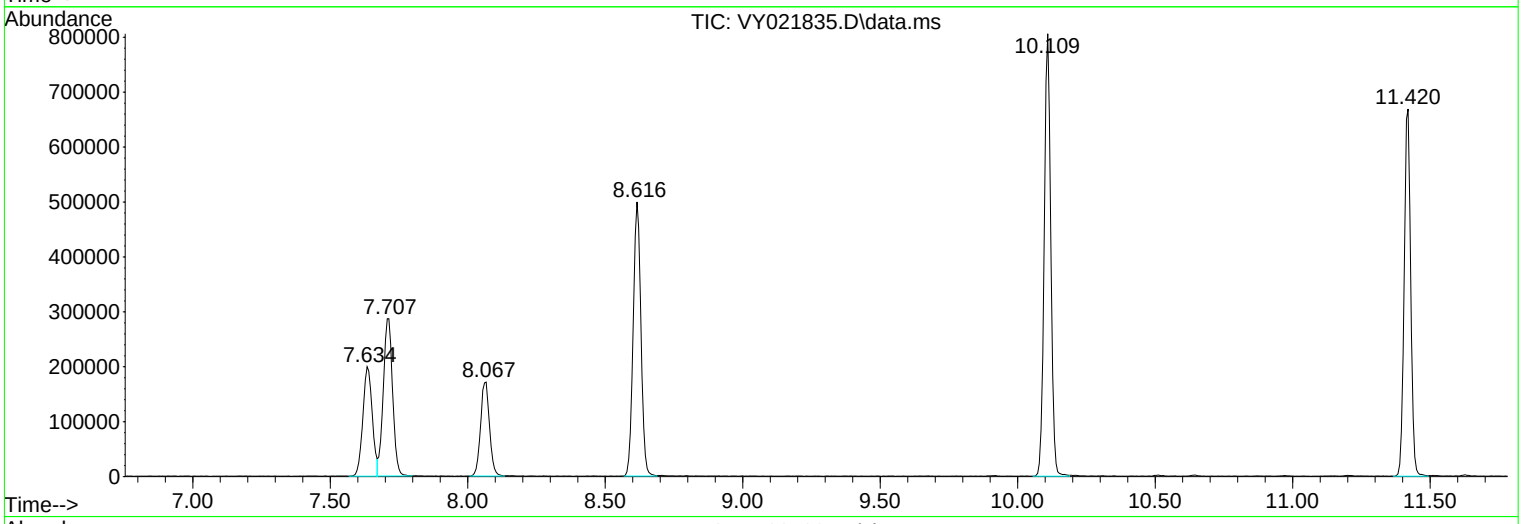
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

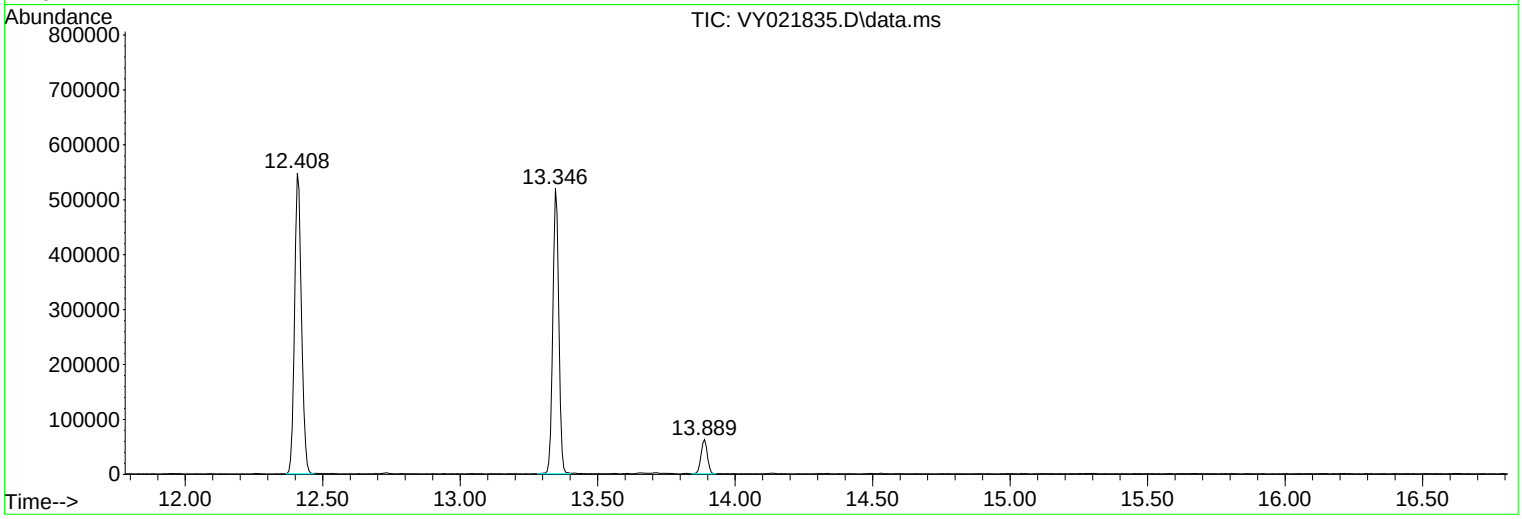
Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY041025\
Data File : VY021835.D
Acq On : 10 Apr 2025 14:03
Operator : SY/MD
Sample : Q1744-01
Misc : 7.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY041025\
Data File : VY021836.D
Acq On : 10 Apr 2025 14:26
Operator : SY/MD
Sample : Q1744-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Quant Time: Apr 11 01:50:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

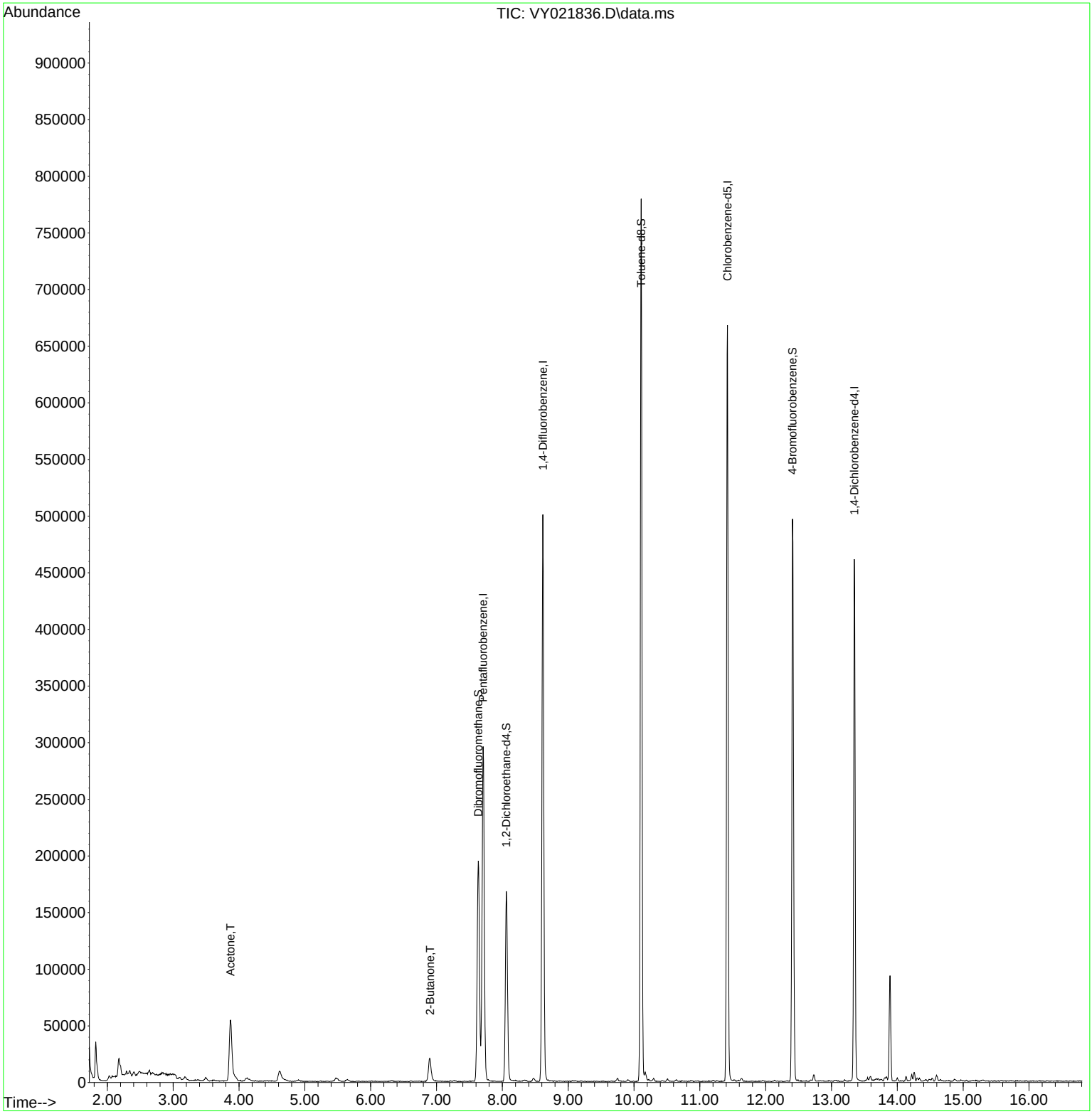
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	221830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	407665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	345604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	111730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134386	55.913	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.820%			
35) Dibromofluoromethane	7.634	113	139096	52.599	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.200%			
50) Toluene-d8	10.109	98	494435	49.147	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.300%			
62) 4-Bromofluorobenzene	12.408	95	127916	37.591	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.180%			
Target Compounds						Qvalue
16) Acetone	3.873	43	100429	204.168	ug/l	98
25) 2-Butanone	6.902	43	35647	50.737	ug/l	94

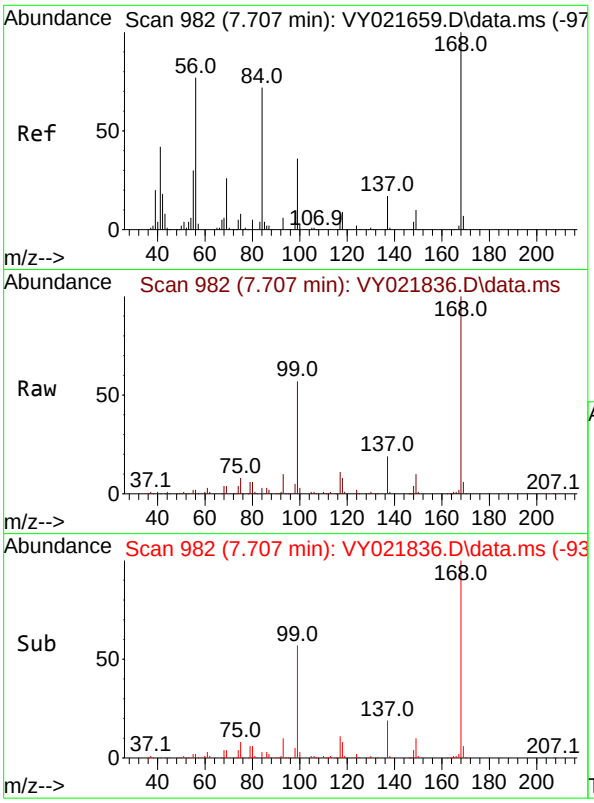
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021836.D
Acq On : 10 Apr 2025 14:26
Operator : SY/MD
Sample : Q1744-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Quant Time: Apr 11 01:50:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



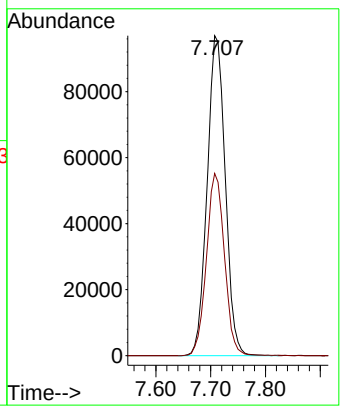


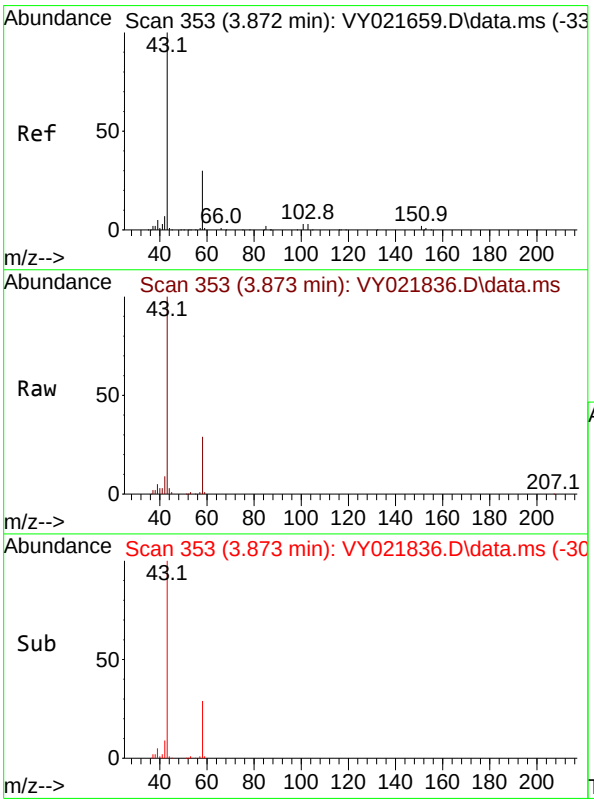
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Tgt Ion:168 Resp: 221830

Ion	Ratio	Lower	Upper
168	100		
99	56.9	46.7	70.1

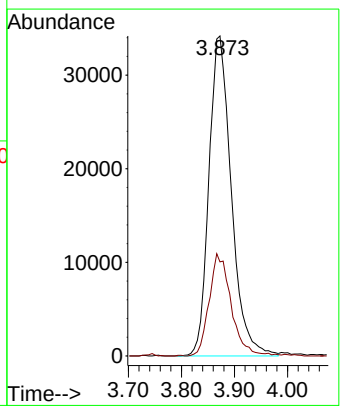


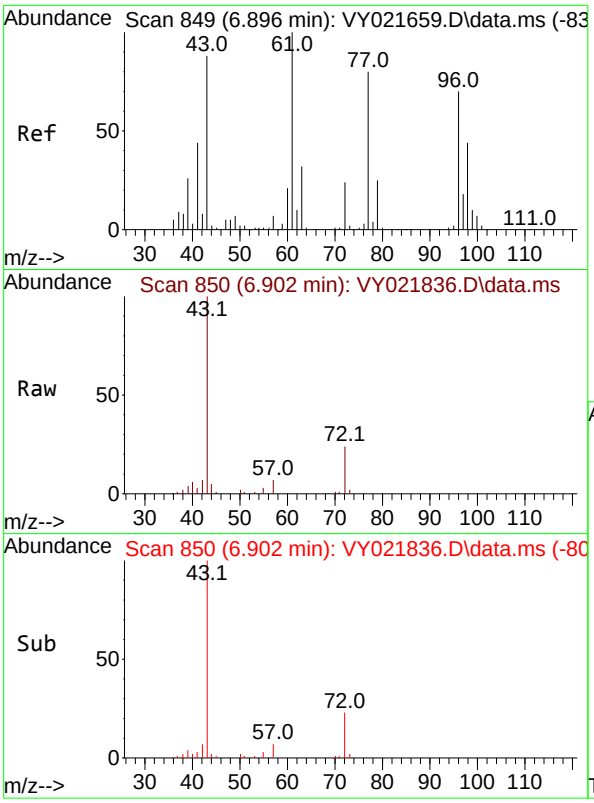


#16
Acetone
Concen: 204.168 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Tgt Ion: 43 Resp: 100429

Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.2	36.4



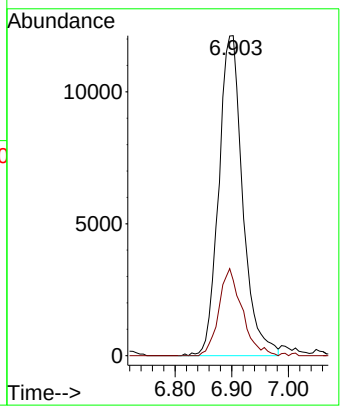


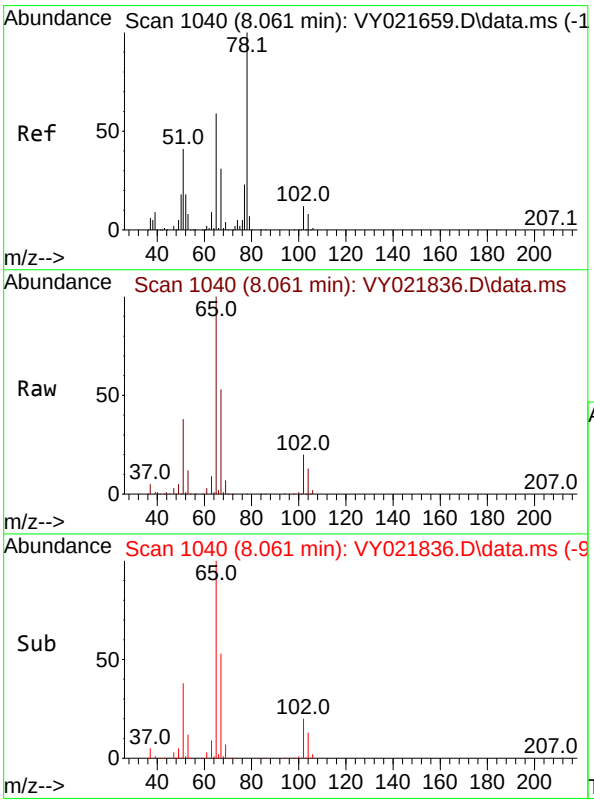
#25
2-Butanone
Concen: 50.737 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.006 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Tgt Ion: 43 Resp: 35647

Ion	Ratio	Lower	Upper
43	100		
72	23.5	21.4	32.2

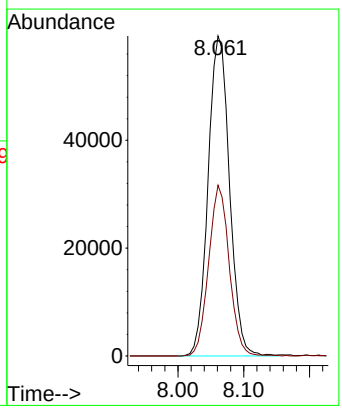


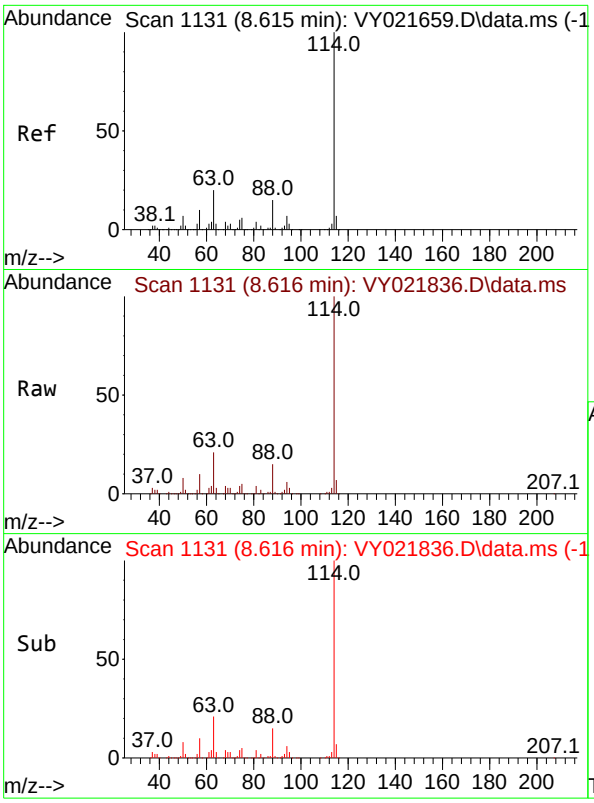


#33
1,2-Dichloroethane-d4
Concen: 55.913 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Tgt Ion: 65 Resp: 134386

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.6



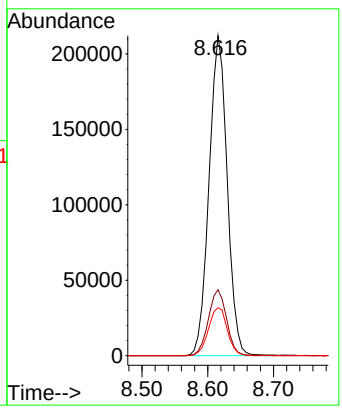


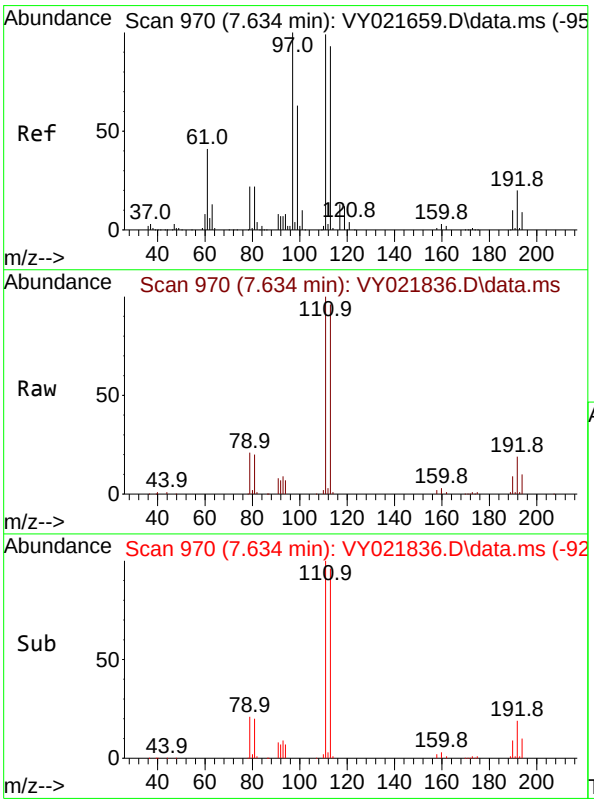
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Tgt Ion:114 Resp: 407665

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	15.0	0.0	29.8

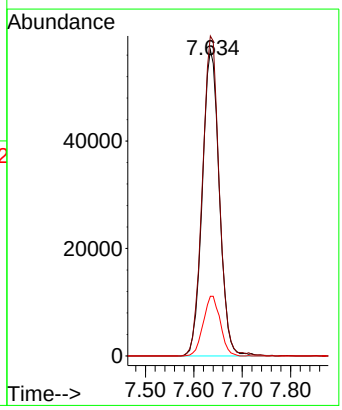


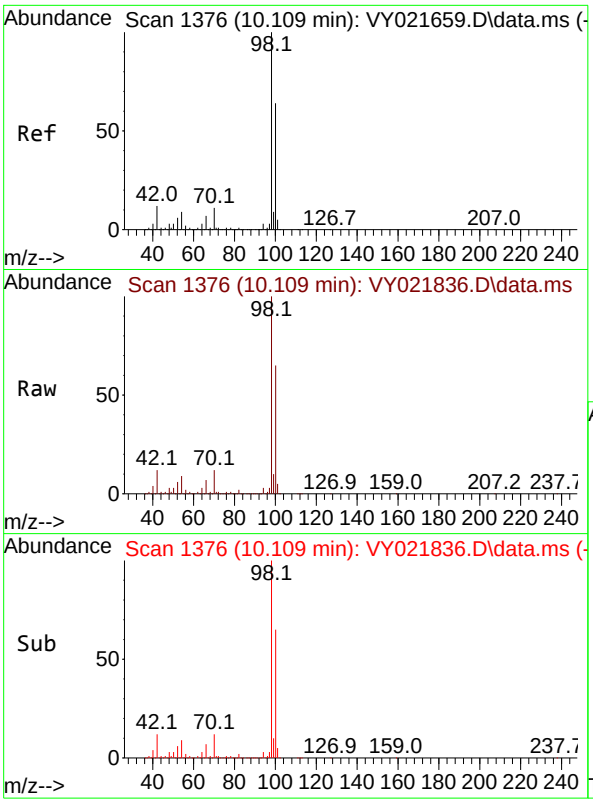


#35
Dibromofluoromethane
Concen: 52.599 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Tgt Ion:113 Resp: 139096

Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.6	123.8
192	19.5	16.2	24.4



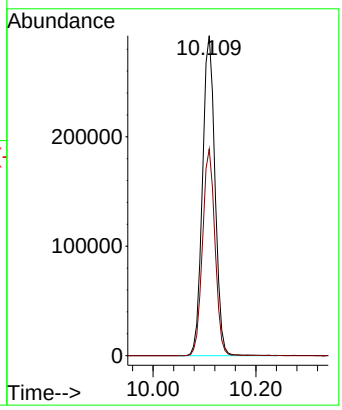


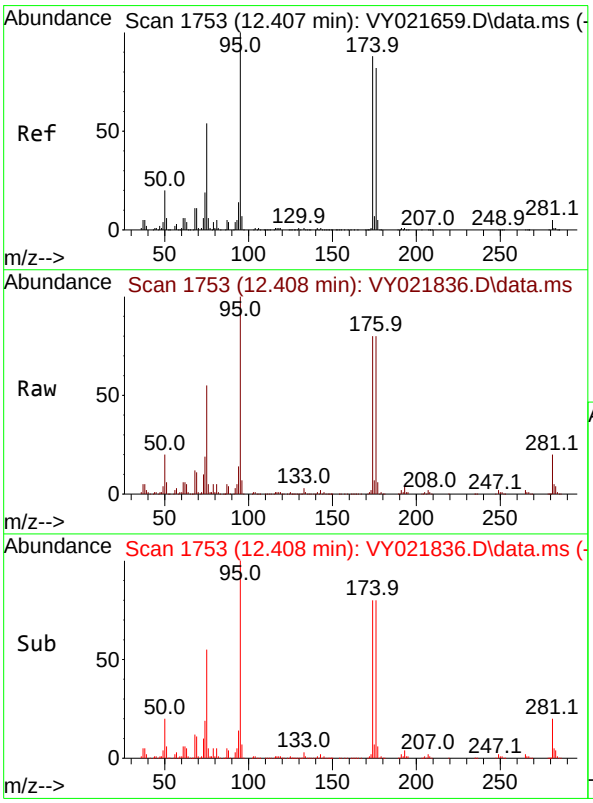
#50
Toluene-d8
Concen: 49.147 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Tgt Ion: 98 Resp: 494435

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1

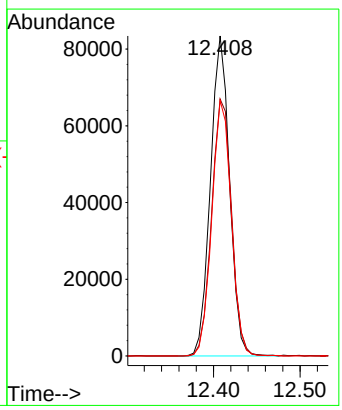


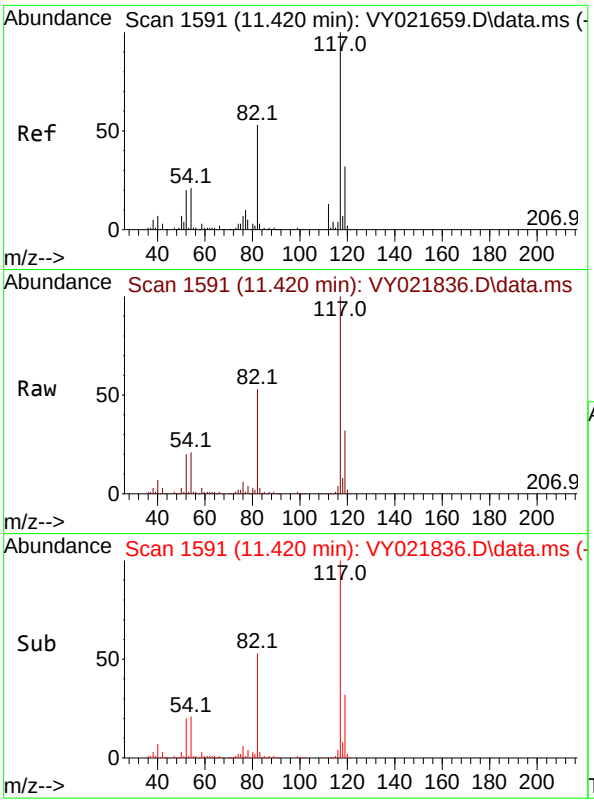


#62
4-Bromofluorobenzene
Concen: 37.591 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Tgt Ion: 95 Resp: 127916

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.8
176	81.3	0.0	162.0



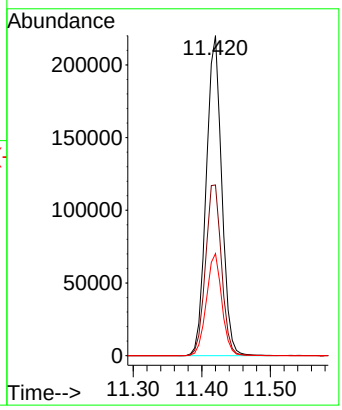


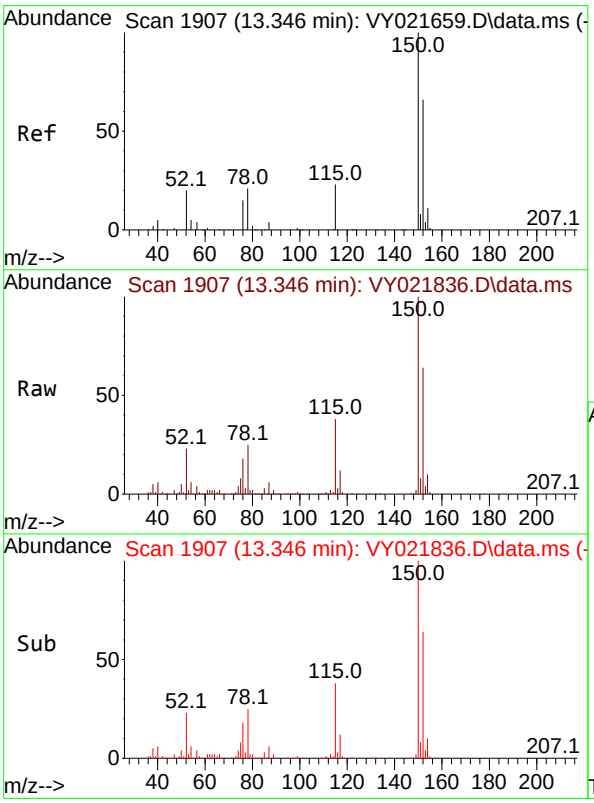
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Tgt Ion:117 Resp: 345604

Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.8	64.2
119	31.9	25.7	38.5

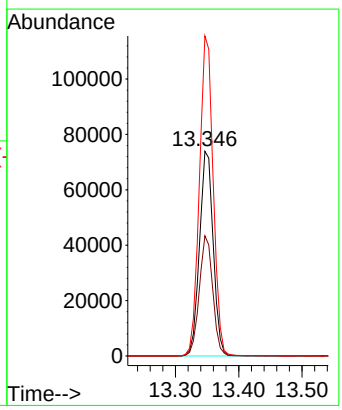




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021836.D
Acq: 10 Apr 2025 14:26

Tgt Ion:152 Resp: 111730

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	157.0	0.0	348.4



Sample Results: **VY021836.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021836.D
Acq On : 10 Apr 2025 14:26
Operator : SY/MD
Sample : Q1744-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021836.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	26	rVB3	33482	57512	4.34%	0.821%
2	2.178	69	75	83	rBV2	15960	39462	2.98%	0.564%
3	3.873	343	353	372	rBV	53480	163353	12.32%	2.333%
4	4.610	463	474	487	rBV3	8847	33415	2.52%	0.477%
5	6.896	839	849	863	rBV2	20550	60980	4.60%	0.871%
6	7.634	960	970	976	rBV	194623	474419	35.79%	6.776%
7	7.707	976	982	994	rVB	294680	673319	50.80%	9.617%
8	8.061	1032	1040	1052	rBV	167838	378106	28.53%	5.401%
9	8.616	1121	1131	1143	rBV	500531	972899	73.40%	13.896%
10	10.109	1368	1376	1384	rBV	779061	1325502	100.00%	18.933%
11	11.420	1583	1591	1604	rBV	667297	1073999	81.03%	15.340%
12	12.408	1746	1753	1764	rBV2	496384	901989	68.05%	12.883%
13	13.346	1897	1907	1920	rBV	460554	693502	52.32%	9.906%
14	13.889	1990	1996	2002	rVB2	92886	152671	11.52%	2.181%

Sum of corrected areas: 7001128

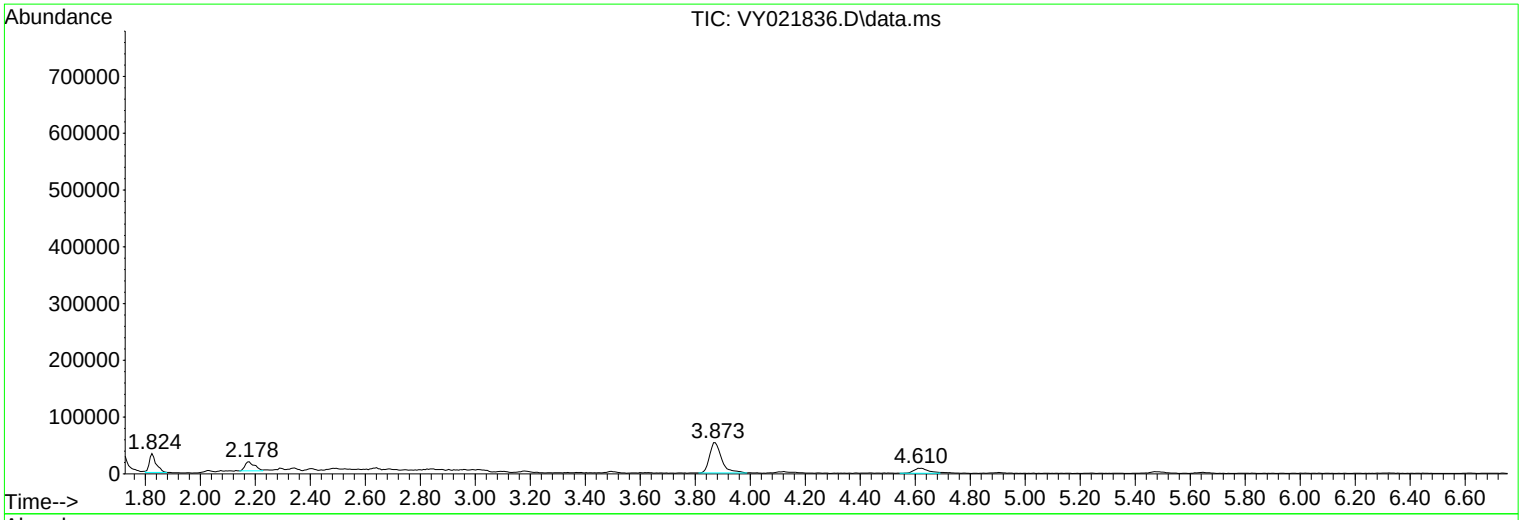
Sample Results: **VY021836.D**

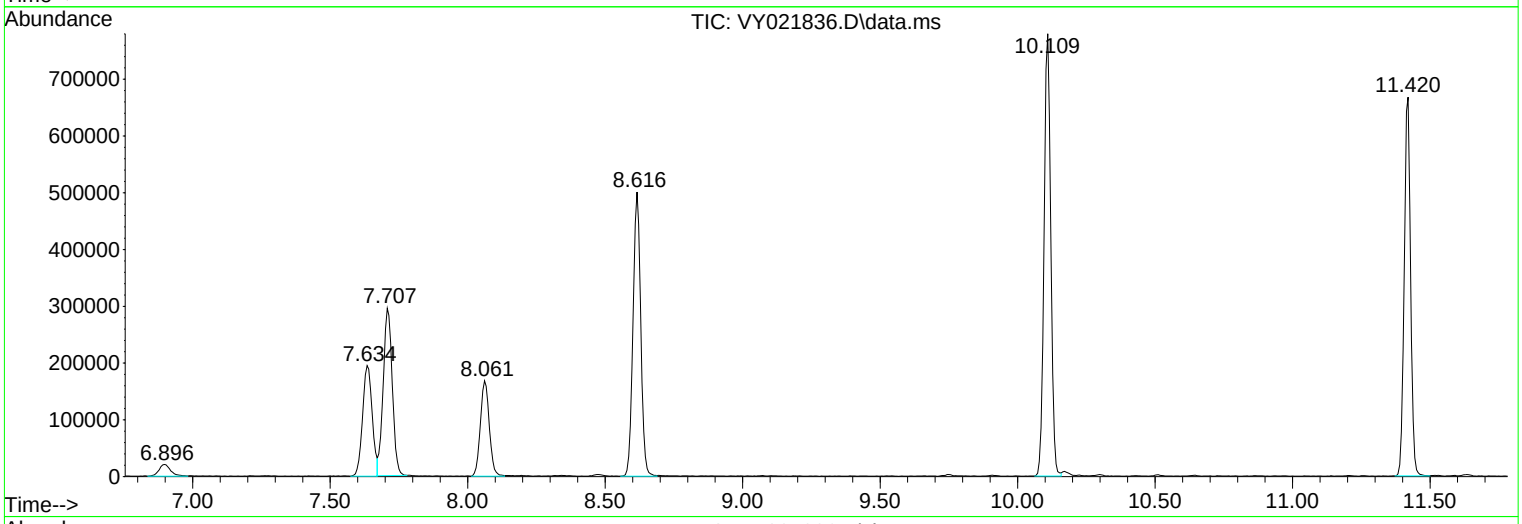
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021836.D
Acq On : 10 Apr 2025 14:26
Operator : SY/MD
Sample : Q1744-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

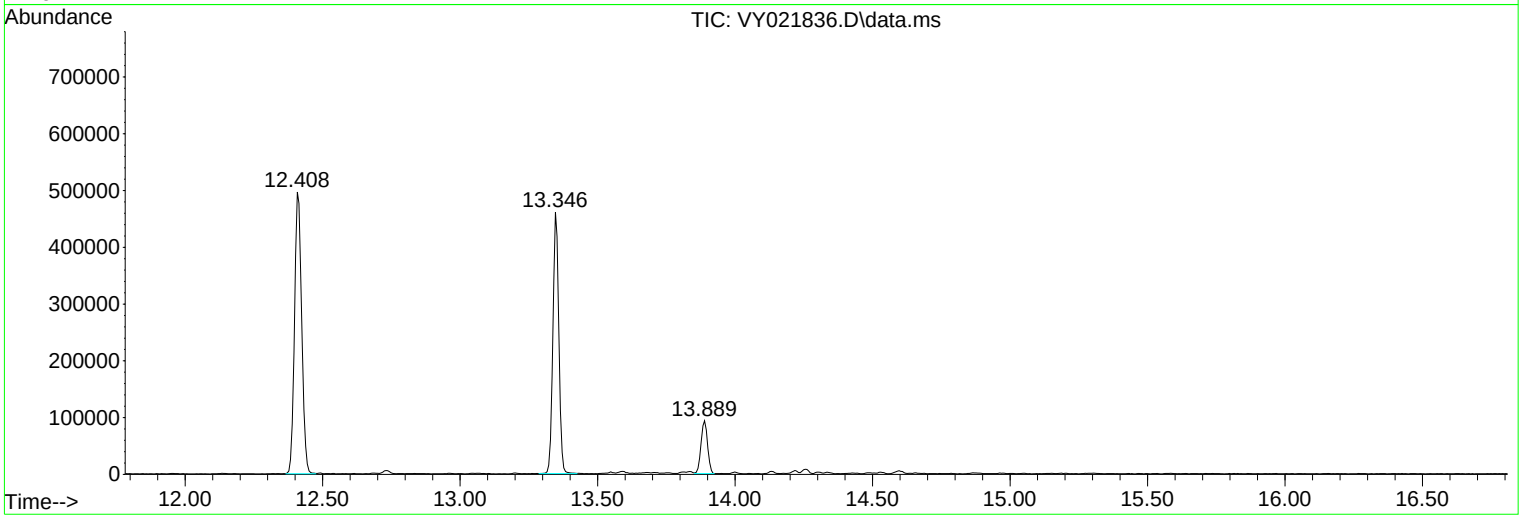
Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY021836.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021836.D
Acq On : 10 Apr 2025 14:26
Operator : SY/MD
Sample : Q1744-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY041025\
Data File : VY021836.D
Acq On : 10 Apr 2025 14:26
Operator : SY/MD
Sample : Q1744-03
Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-158-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Quant Time: Apr 11 01:49:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	241941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	436661	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	362482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	131635	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	122060	46.564	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.120%			
35) Dibromofluoromethane	7.640	113	141417	49.926	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.860%			
50) Toluene-d8	10.109	98	522401	48.479	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.960%			
62) 4-Bromofluorobenzene	12.408	95	139589	38.297	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 76.600%			

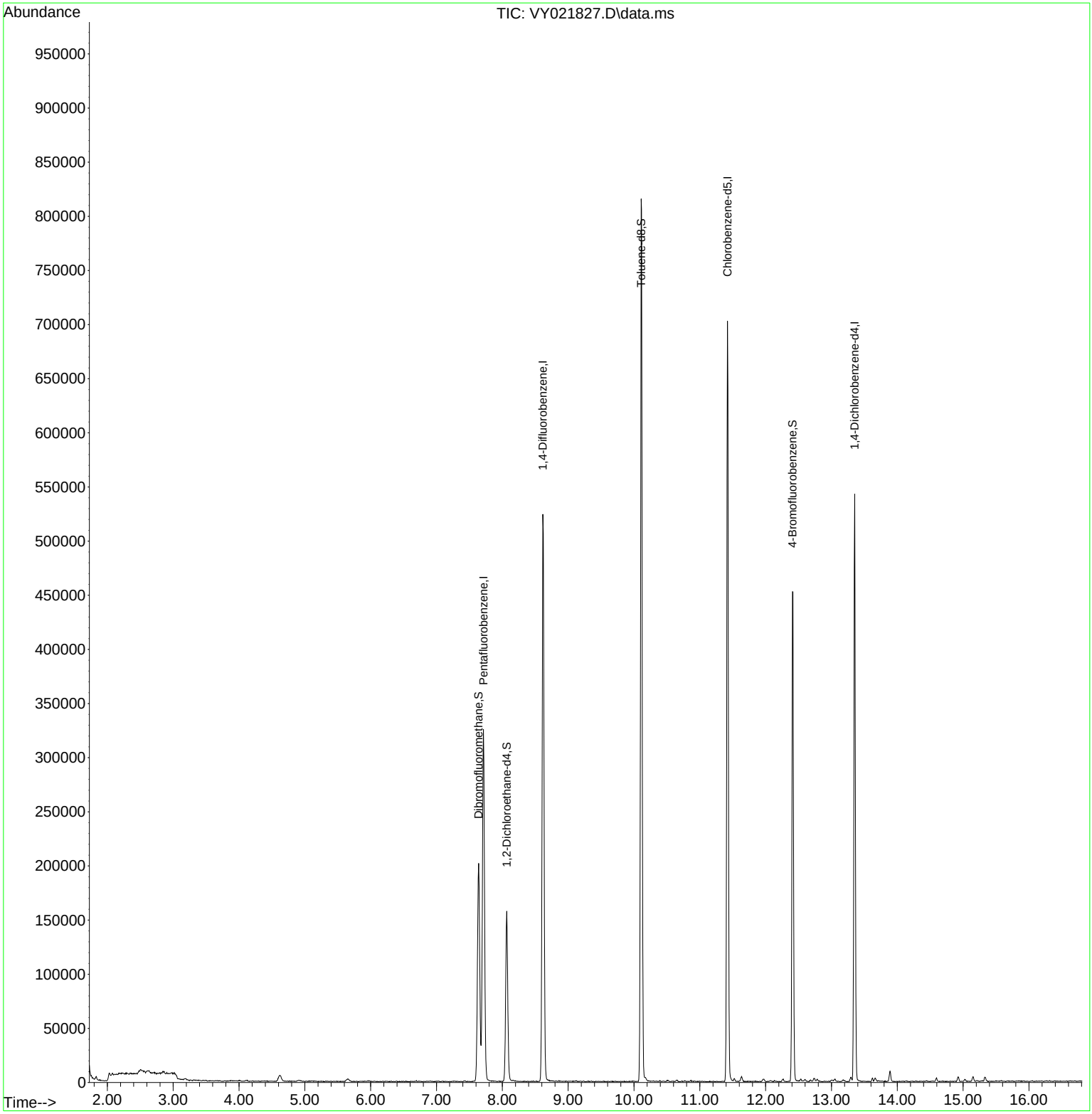
Target Compounds	Qvalue

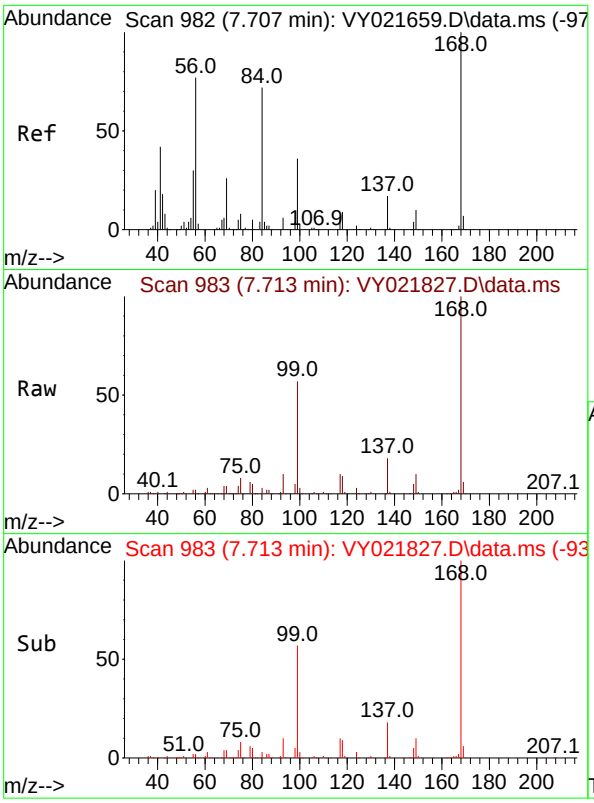
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Quant Time: Apr 11 01:49:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



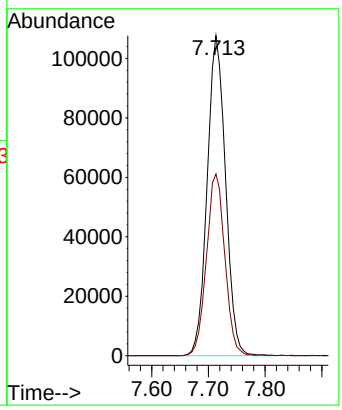


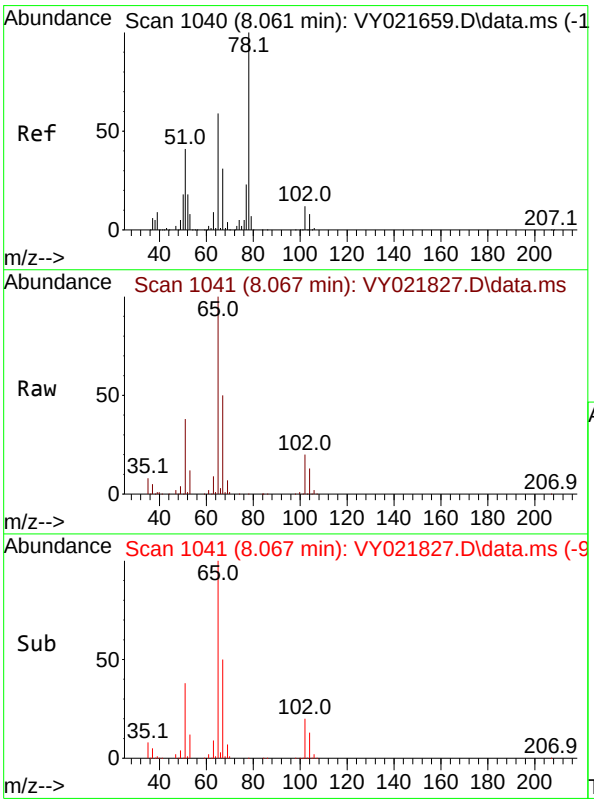
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Tgt Ion:168 Resp: 241941

Ion	Ratio	Lower	Upper
168	100		
99	56.8	46.7	70.1

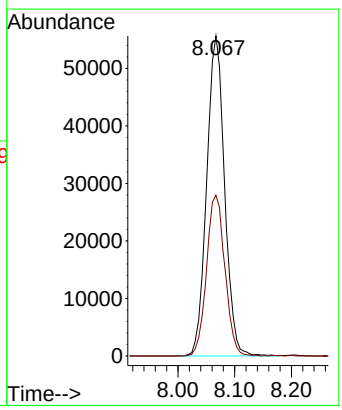


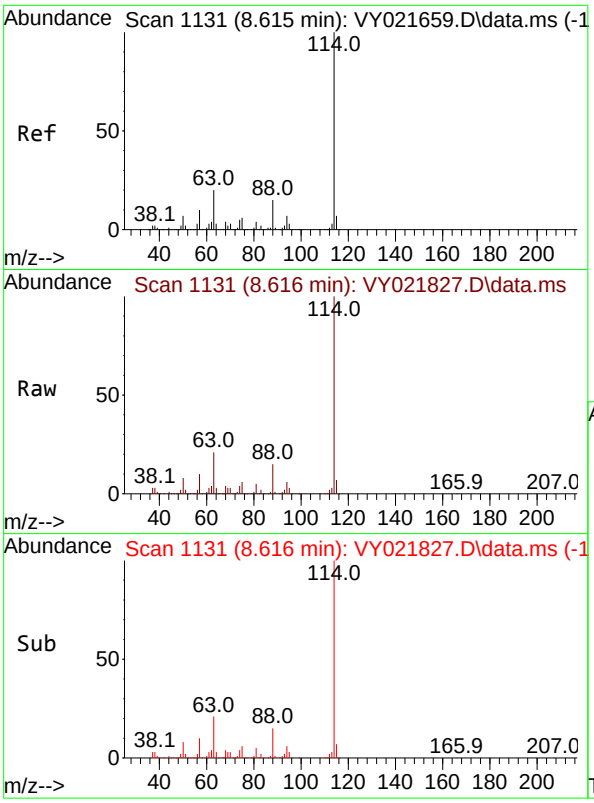


#33
1,2-Dichloroethane-d4
Concen: 46.564 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Tgt Ion: 65 Resp: 122060

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.6



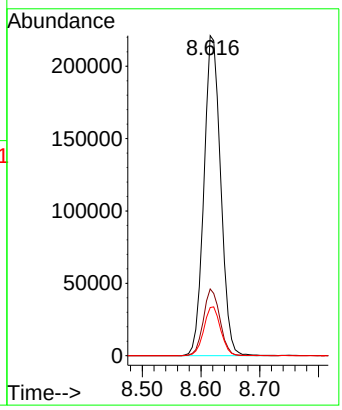


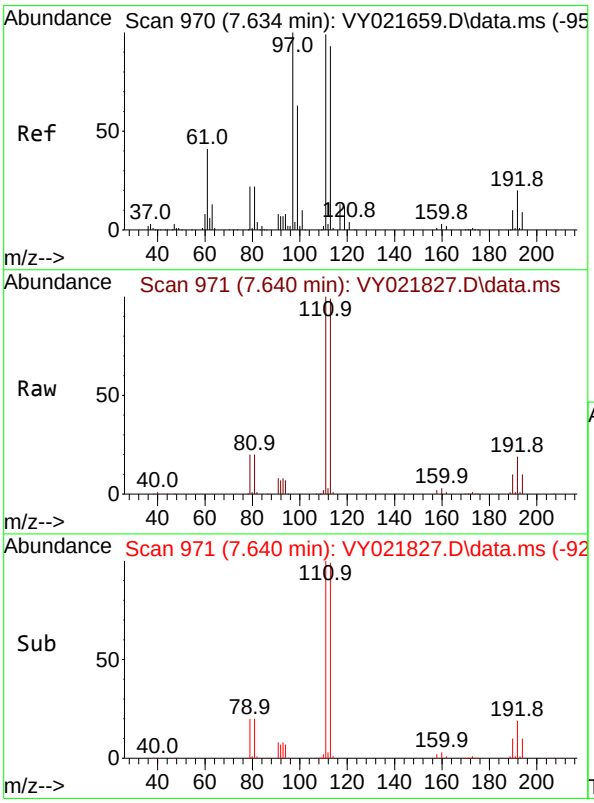
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Tgt Ion:114 Resp: 436661

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.2
88	15.0	0.0	29.8

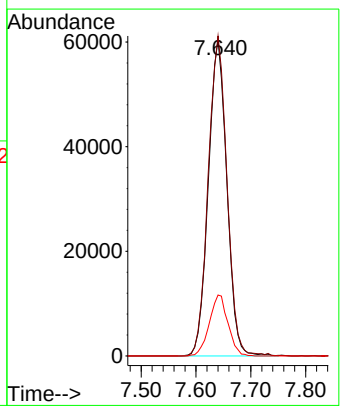


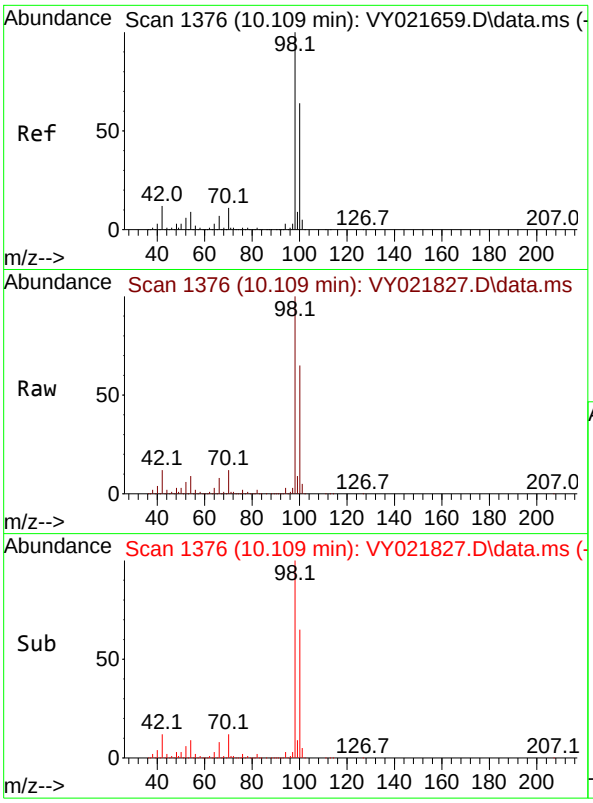


#35
Dibromofluoromethane
Concen: 49.926 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Tgt Ion:113 Resp: 141417

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	19.4	16.2	24.4



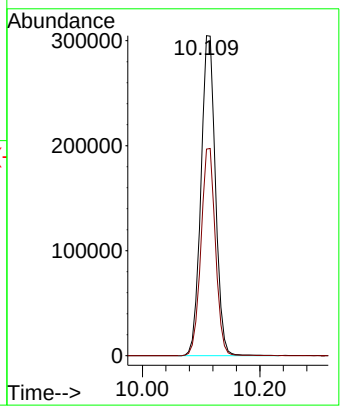


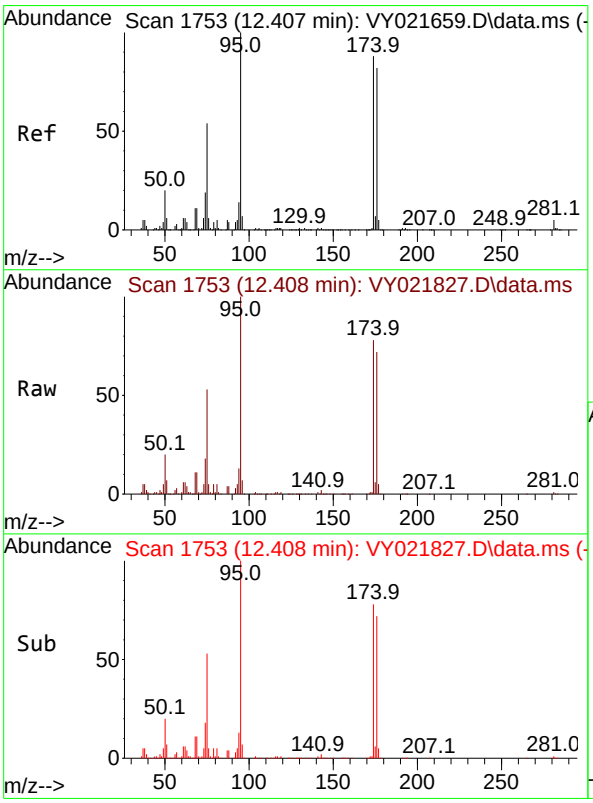
#50
Toluene-d8
Concen: 48.479 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Tgt Ion: 98 Resp: 522401

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

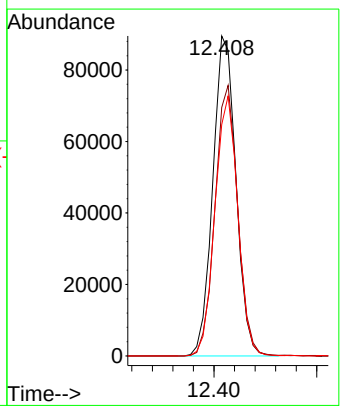


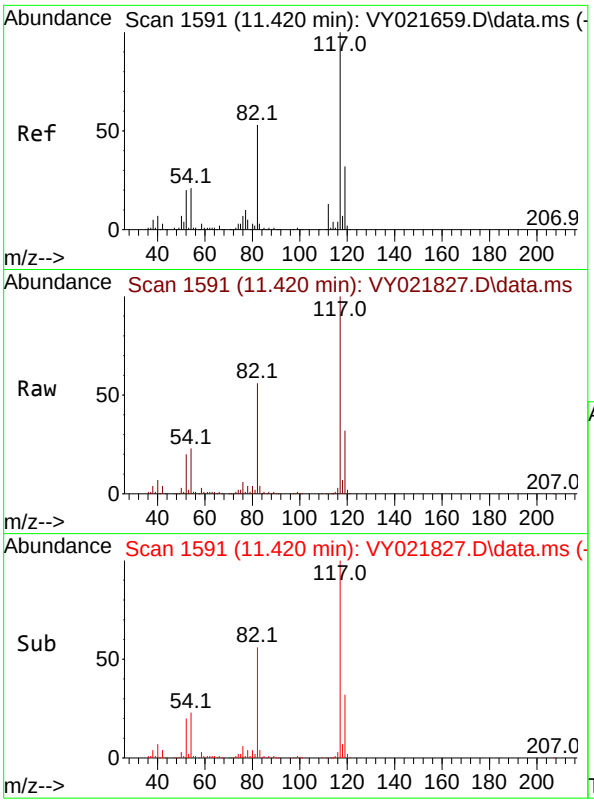


#62
4-Bromofluorobenzene
Concen: 38.297 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Tgt Ion: 95 Resp: 139589

Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	170.8
176	80.5	0.0	162.0



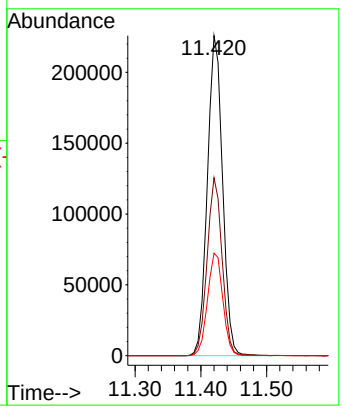


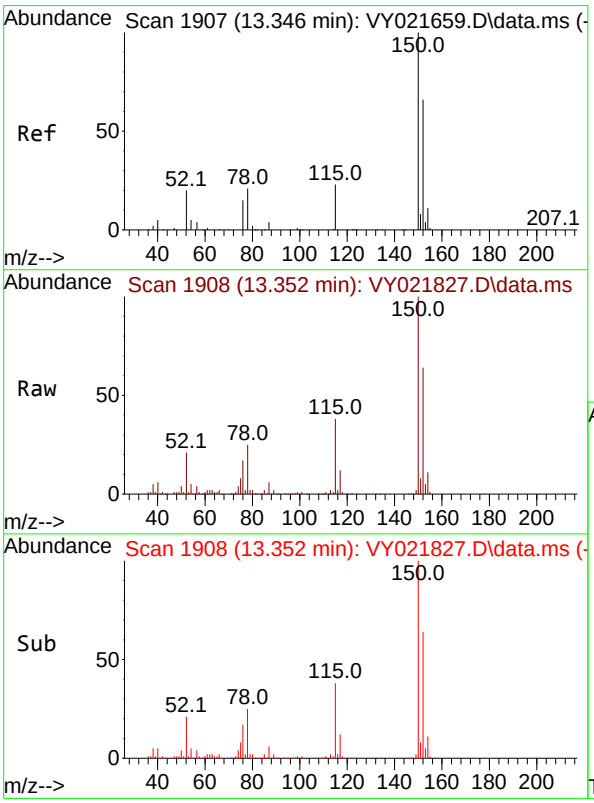
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Tgt Ion:117 Resp: 362482

Ion	Ratio	Lower	Upper
117	100		
82	55.6	42.8	64.2
119	32.1	25.7	38.5

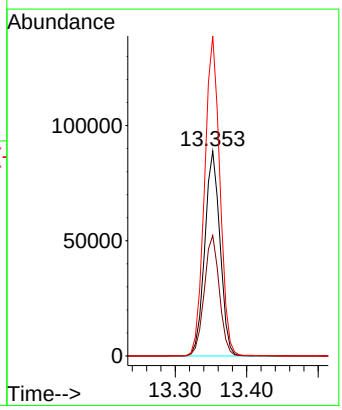




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021827.D
Acq: 10 Apr 2025 10:28

Tgt Ion:152 Resp: 131635

Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.8	86.5
150	157.0	0.0	348.4



Sample Results: **VY021827.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021827.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.031	44	51	54	rBV2	7198	15307	1.09%	0.228%
2	4.616	467	475	487	rBV4	5587	18418	1.32%	0.274%
3	7.640	961	971	977	rBV2	201212	482255	34.47%	7.170%
4	7.713	977	983	998	rVB	324739	729522	52.14%	10.846%
5	8.067	1031	1041	1054	rBV	157406	345294	24.68%	5.134%
6	8.616	1122	1131	1146	rBV	523823	1036542	74.08%	15.411%
7	10.109	1369	1376	1385	rBV	815279	1399248	100.00%	20.804%
8	11.420	1584	1591	1605	rBV	702355	1135945	81.18%	16.889%
9	12.408	1747	1753	1763	rBV	452170	733514	52.42%	10.906%
10	13.353	1902	1908	1922	rVB	542232	814033	58.18%	12.103%
11	13.889	1991	1996	2005	rVB3	9424	15827	1.13%	0.235%

Sum of corrected areas: 6725905

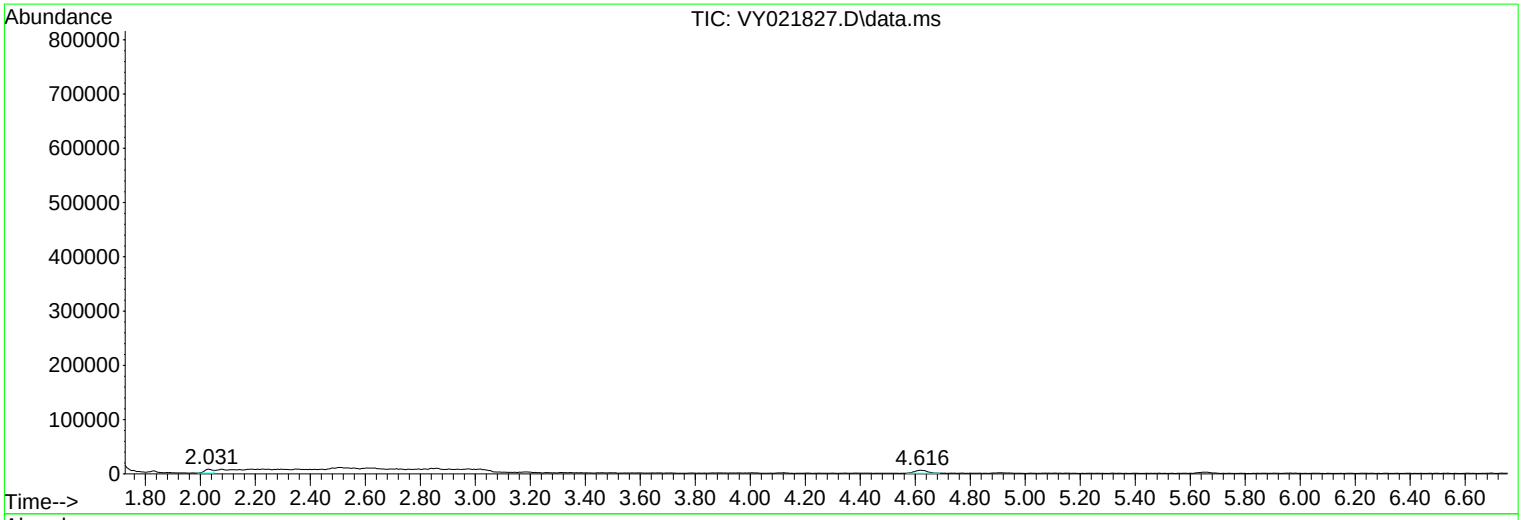
Sample Results: **VY021827.D**

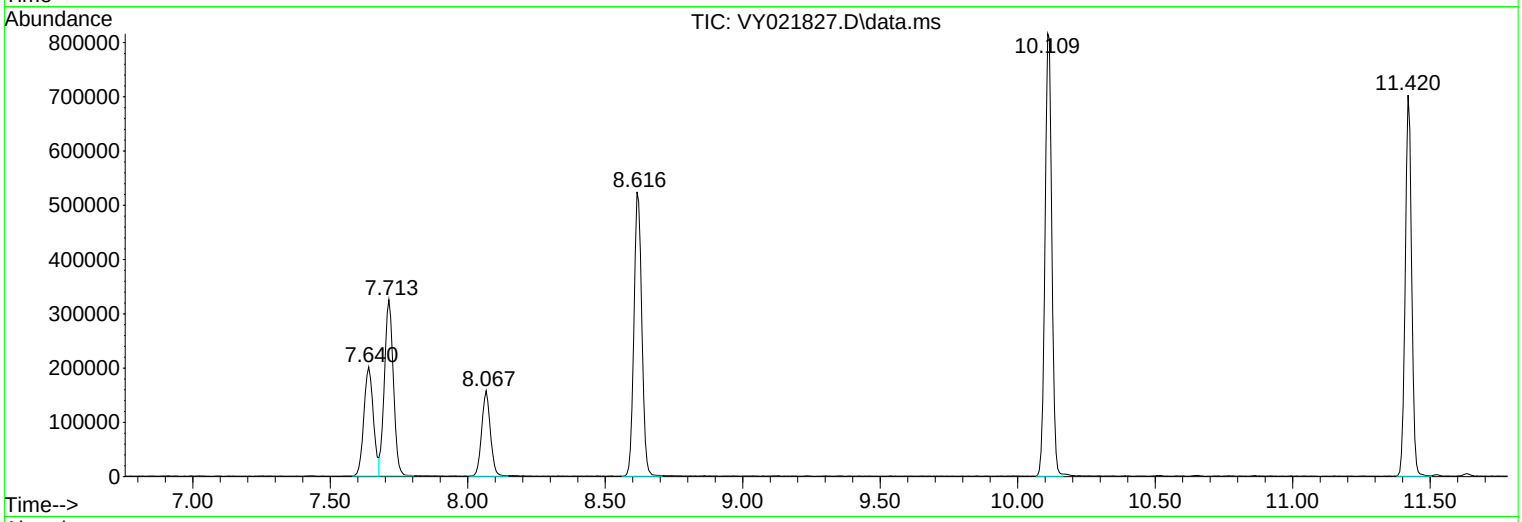
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

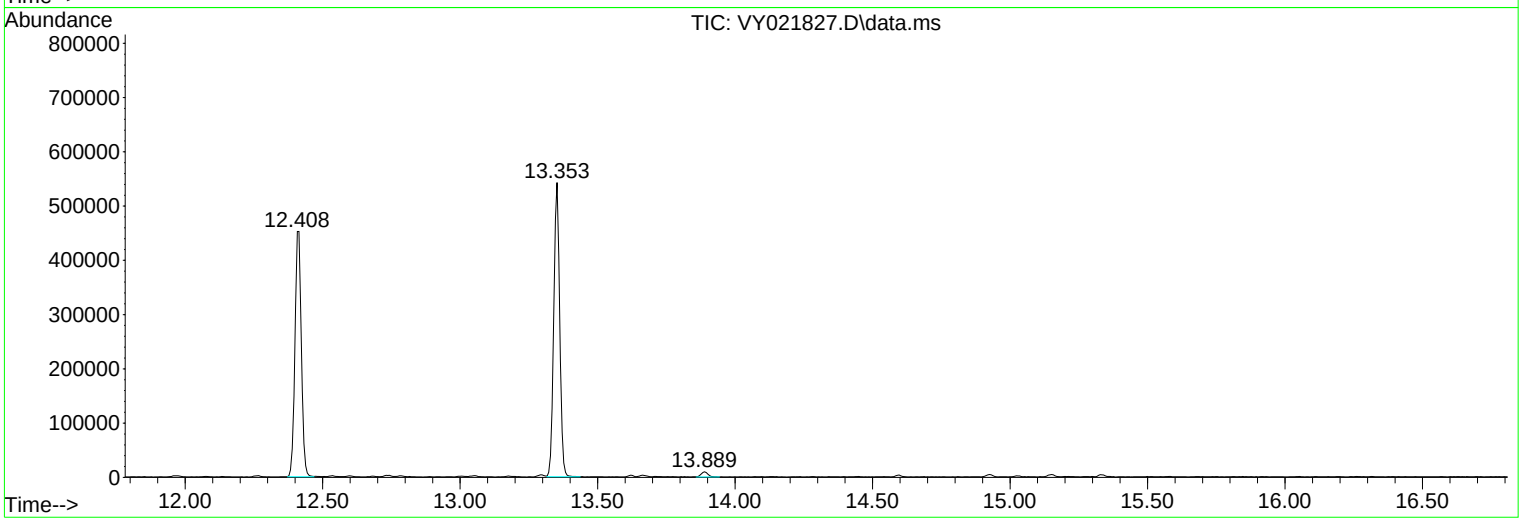
Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY041025\
Data File : VY021827.D
Acq On : 10 Apr 2025 10:28
Operator : SY/MD
Sample : VY0410SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY041025\
Data File : VY021828.D
Acq On : 10 Apr 2025 10:59
Operator : SY/MD
Sample : VY0410SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 01:49:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	202932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	310477	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	276303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	144045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	108092	49.162	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.320%			
35) Dibromofluoromethane	7.634	113	107537	53.394	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.780%			
50) Toluene-d8	10.109	98	416120	54.310	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.620%			
62) 4-Bromofluorobenzene	12.408	95	138064	53.273	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38628	18.365	ug/l	99
3) Chloromethane	2.068	50	58925	19.923	ug/l	96
4) Vinyl Chloride	2.208	62	64218	19.200	ug/l	98
5) Bromomethane	2.592	94	43240	18.954	ug/l	99
6) Chloroethane	2.739	64	42301	19.327	ug/l	99
7) Trichlorofluoromethane	3.062	101	83189	19.415	ug/l	99
8) Diethyl Ether	3.458	74	21206	18.199	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.824	101	46562	20.604	ug/l	99
10) Methyl Iodide	4.007	142	53784	21.694	ug/l	98
11) Tert butyl alcohol	4.879	59	10132	70.946	ug/l	95
12) 1,1-Dichloroethene	3.793	96	42528	19.980	ug/l	99
13) Acrolein	3.653	56	11686	44.814	ug/l	94
14) Allyl chloride	4.385	41	65088	19.178	ug/l	99
15) Acrylonitrile	5.068	53	43512	89.436	ug/l	98
16) Acetone	3.873	43	41416	92.038	ug/l	96
17) Carbon Disulfide	4.110	76	130398	18.599	ug/l	97
18) Methyl Acetate	4.397	43	20074	17.999	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	92229	17.404	ug/l	98
20) Methylene Chloride	4.622	84	50670	20.749	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	45867	19.571	ug/l	97
22) Diisopropyl ether	6.019	45	141226	19.837	ug/l	96
23) Vinyl Acetate	5.964	43	365289	87.708	ug/l	100
24) 1,1-Dichloroethane	5.921	63	86526	20.326	ug/l	97
25) 2-Butanone	6.896	43	56134	87.338	ug/l	96
26) 2,2-Dichloropropane	6.890	77	75531	19.946	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	51999	19.730	ug/l	98
28) Bromochloromethane	7.250	49	34985	19.487	ug/l	99
29) Tetrahydrofuran	7.262	42	32784	79.255	ug/l	99
30) Chloroform	7.427	83	88600	20.010	ug/l	96
31) Cyclohexane	7.701	56	71321	18.379	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	80250	20.053	ug/l	99
36) 1,1-Dichloropropene	7.841	75	62612	20.410	ug/l	98
37) Ethyl Acetate	6.982	43	24672	17.041	ug/l	97
38) Carbon Tetrachloride	7.823	117	72409	20.609	ug/l	96
39) Methylcyclohexane	9.116	83	71676	19.559	ug/l	98
40) Benzene	8.085	78	187821	20.444	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021828.D
Acq On : 10 Apr 2025 10:59
Operator : SY/MD
Sample : VY0410SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 01:49:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	14459m	18.806	ug/l		
42) 1,2-Dichloroethane	8.165	62	51955	20.061	ug/l		99
43) Isopropyl Acetate	8.201	43	49178	17.925	ug/l		98
44) Trichloroethene	8.872	130	48276	20.624	ug/l		95
45) 1,2-Dichloropropane	9.146	63	45055	20.719	ug/l		96
46) Dibromomethane	9.238	93	24846	19.825	ug/l		96
47) Bromodichloromethane	9.426	83	66235	20.396	ug/l		96
48) Methyl methacrylate	9.225	41	22658	17.994	ug/l		96
49) 1,4-Dioxane	9.244	88	4766	354.991	ug/l		91
51) 4-Methyl-2-Pentanone	10.000	43	122559	85.840	ug/l		100
52) Toluene	10.176	92	120366	21.000	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	55243	19.152	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	66307	19.486	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	32227	19.982	ug/l		99
56) Ethyl methacrylate	10.445	69	37122	18.026	ug/l		98
57) 1,3-Dichloropropane	10.719	76	55701	19.997	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	94741	94.305	ug/l		99
59) 2-Hexanone	10.768	43	82164	86.409	ug/l		99
60) Dibromochloromethane	10.914	129	44255	20.098	ug/l		97
61) 1,2-Dibromoethane	11.018	107	30322	20.042	ug/l		98
64) Tetrachloroethene	10.652	164	52581	20.895	ug/l		99
65) Chlorobenzene	11.444	112	130234	20.562	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	46518	20.700	ug/l		100
67) Ethyl Benzene	11.524	91	222629	20.498	ug/l		100
68) m/p-Xylenes	11.633	106	174884	42.050	ug/l		99
69) o-Xylene	11.957	106	78381	20.417	ug/l		99
70) Styrene	11.975	104	131308	20.514	ug/l		100
71) Bromoform	12.133	173	24956	19.469	ug/l	#	98
73) Isopropylbenzene	12.261	105	211237	19.744	ug/l		100
74) N-amyl acetate	12.072	43	42471	16.915	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	34921	18.155	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	28984m	20.299	ug/l		
77) Bromobenzene	12.536	156	50775	19.766	ug/l		97
78) n-propylbenzene	12.597	91	263112	20.456	ug/l		100
79) 2-Chlorotoluene	12.682	91	150601	20.159	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	176133	20.143	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	10119	16.329	ug/l		98
82) 4-Chlorotoluene	12.780	91	156256	20.062	ug/l		98
83) tert-Butylbenzene	12.999	119	151289	19.425	ug/l		97
84) 1,2,4-Trimethylbenzene	13.048	105	178636	20.670	ug/l		99
85) sec-Butylbenzene	13.176	105	233001	20.471	ug/l		100
86) p-Isopropyltoluene	13.298	119	192832	20.499	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	104101	20.569	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	102343	20.468	ug/l		98
89) n-Butylbenzene	13.621	91	177878	20.446	ug/l		100
90) Hexachloroethane	13.883	117	41809	20.281	ug/l		99
91) 1,2-Dichlorobenzene	13.664	146	89555	20.328	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5251	17.613	ug/l		100
93) 1,2,4-Trichlorobenzene	14.926	180	47966	20.077	ug/l		100
94) Hexachlorobutadiene	15.029	225	32148	21.546	ug/l		97
95) Naphthalene	15.145	128	69458	17.539	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	39920	19.594	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021828.D
Acq On : 10 Apr 2025 10:59
Operator : SY/MD
Sample : VY0410SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 11 01:49:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

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\VY041025\
Data File : VY021828.D
Acq On : 10 Apr 2025 10:59
Operator : SY/MD
Sample : VY0410SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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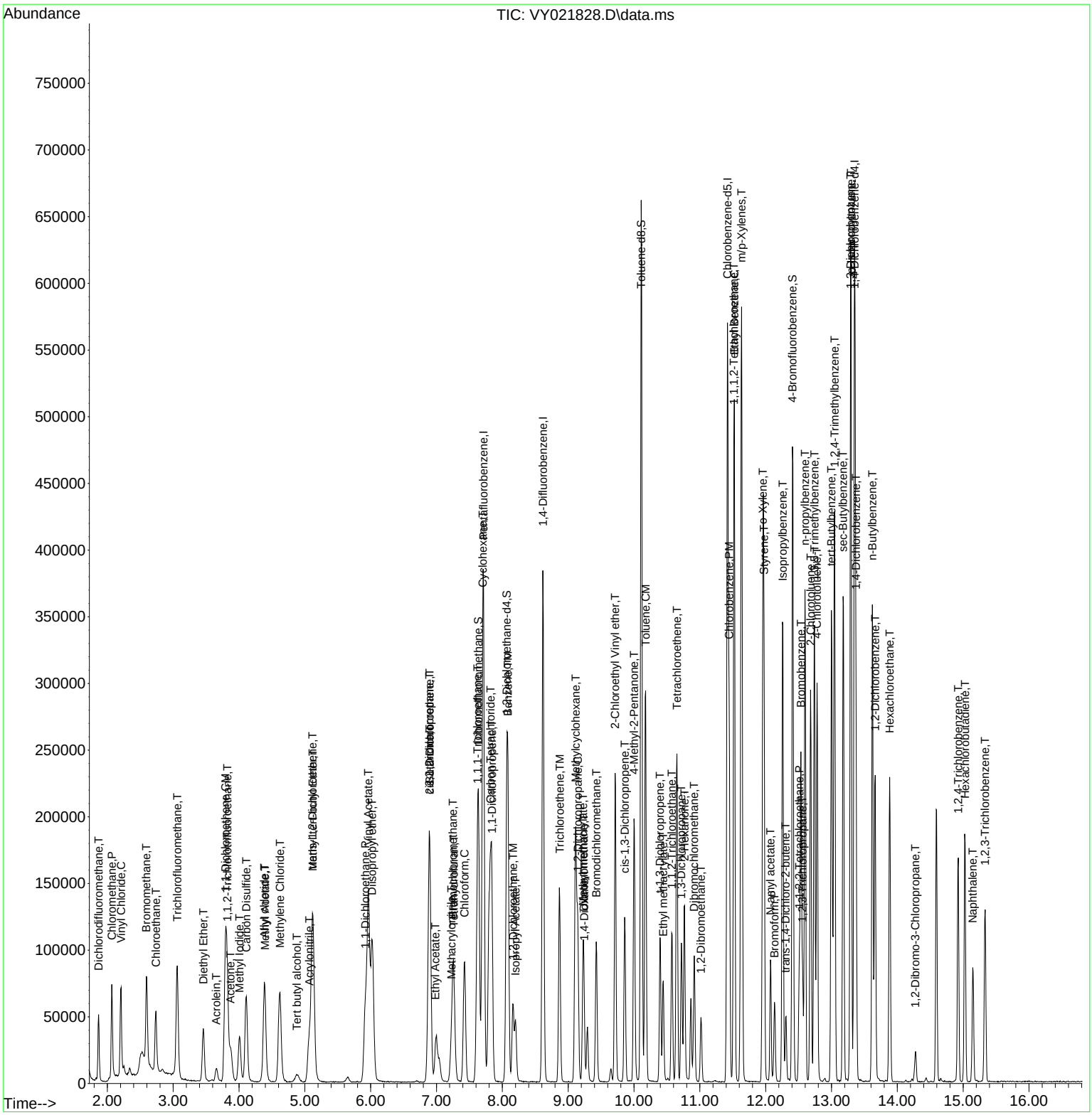
Quant Time: Apr 11 01:49:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021829.D
Acq On : 10 Apr 2025 11:22
Operator : SY/MD
Sample : VY0410SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 01:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	207811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	318832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	109229	48.512	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.020%			
35) Dibromofluoromethane	7.634	113	105361	50.943	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.880%			
50) Toluene-d8	10.109	98	404007	51.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.700%			
62) 4-Bromofluorobenzene	12.407	95	134999	50.726	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	39252	18.224	ug/l	100
3) Chloromethane	2.068	50	59786	19.740	ug/l	97
4) Vinyl Chloride	2.202	62	63877	18.649	ug/l	98
5) Bromomethane	2.592	94	43697	18.705	ug/l	98
6) Chloroethane	2.732	64	42704	19.053	ug/l	97
7) Trichlorofluoromethane	3.055	101	84703	19.305	ug/l	96
8) Diethyl Ether	3.458	74	22632	18.967	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	46252	19.986	ug/l	99
10) Methyl Iodide	4.007	142	55133	21.716	ug/l	100
11) Tert butyl alcohol	4.872	59	12367	84.563	ug/l #	88
12) 1,1-Dichloroethene	3.793	96	40908	18.767	ug/l	93
13) Acrolein	3.659	56	13077	48.971	ug/l	98
14) Allyl chloride	4.384	41	64598	18.587	ug/l	98
15) Acrylonitrile	5.067	53	47442	95.225	ug/l	99
16) Acetone	3.878	43	43633	94.688	ug/l	98
17) Carbon Disulfide	4.104	76	131412	18.304	ug/l	98
18) Methyl Acetate	4.391	43	23701	20.753	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	101520	18.707	ug/l	97
20) Methylene Chloride	4.616	84	50284	19.978	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	46410	19.338	ug/l	96
22) Diisopropyl ether	6.018	45	143976	19.749	ug/l	97
23) Vinyl Acetate	5.963	43	388600	91.114	ug/l	99
24) 1,1-Dichloroethane	5.921	63	86621	19.870	ug/l	99
25) 2-Butanone	6.902	43	60799	92.375	ug/l	98
26) 2,2-Dichloropropane	6.884	77	75992	19.597	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	52039	19.281	ug/l	99
28) Bromochloromethane	7.244	49	35396	19.253	ug/l	99
29) Tetrahydrofuran	7.268	42	38098	89.940	ug/l	99
30) Chloroform	7.421	83	91139	20.100	ug/l	98
31) Cyclohexane	7.707	56	71948	18.105	ug/l	92
32) 1,1,1-Trichloroethane	7.622	97	80786	19.713	ug/l	100
36) 1,1-Dichloropropene	7.835	75	63772	20.244	ug/l	99
37) Ethyl Acetate	6.988	43	28649	19.270	ug/l	99
38) Carbon Tetrachloride	7.817	117	72496	20.093	ug/l	97
39) Methylcyclohexane	9.109	83	71764	19.070	ug/l	96
40) Benzene	8.079	78	191172	20.264	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021829.D
Acq On : 10 Apr 2025 11:22
Operator : SY/MD
Sample : VY0410SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 01:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	13035	16.509	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	53226	20.013	ug/l		100
43) Isopropyl Acetate	8.195	43	52654	18.689	ug/l		97
44) Trichloroethene	8.865	130	49203	20.469	ug/l		99
45) 1,2-Dichloropropane	9.140	63	45352	20.309	ug/l		97
46) Dibromomethane	9.231	93	26214	20.368	ug/l		96
47) Bromodichloromethane	9.426	83	68651	20.586	ug/l		97
48) Methyl methacrylate	9.219	41	24785	19.167	ug/l		99
49) 1,4-Dioxane	9.231	88	5304	384.711	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	140723	95.979	ug/l		99
52) Toluene	10.170	92	122020	20.730	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	57294	19.343	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	66901	19.145	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	34280	20.698	ug/l		97
56) Ethyl methacrylate	10.438	69	40341	19.076	ug/l		98
57) 1,3-Dichloropropane	10.719	76	58064	20.300	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	104087	100.892	ug/l		99
59) 2-Hexanone	10.761	43	92479	94.709	ug/l		100
60) Dibromochloromethane	10.914	129	46927	20.753	ug/l		100
61) 1,2-Dibromoethane	11.017	107	30845	19.853	ug/l		99
64) Tetrachloroethene	10.646	164	53276	20.569	ug/l		98
65) Chlorobenzene	11.444	112	130948	20.086	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	47375	20.482	ug/l		99
67) Ethyl Benzene	11.517	91	222087	19.866	ug/l		99
68) m/p-Xylenes	11.627	106	173922	40.629	ug/l		99
69) o-Xylene	11.956	106	79796	20.194	ug/l		99
70) Styrene	11.969	104	133731	20.298	ug/l		99
71) Bromoform	12.133	173	26634	20.187	ug/l	#	99
73) Isopropylbenzene	12.255	105	210811	19.089	ug/l		100
74) N-amyl acetate	12.072	43	45971	17.737	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	37011	18.640	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	29935m	20.310	ug/l		
77) Bromobenzene	12.535	156	51940	19.588	ug/l		99
78) n-propylbenzene	12.596	91	262187	19.747	ug/l		99
79) 2-Chlorotoluene	12.682	91	150997	19.580	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	176431	19.547	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	10813	16.904	ug/l		96
82) 4-Chlorotoluene	12.779	91	158350	19.696	ug/l		100
83) tert-Butylbenzene	12.999	119	153070	19.040	ug/l		99
84) 1,2,4-Trimethylbenzene	13.041	105	178830	20.046	ug/l		100
85) sec-Butylbenzene	13.176	105	232616	19.799	ug/l		100
86) p-Isopropyltoluene	13.291	119	193062	19.882	ug/l		100
87) 1,3-Dichlorobenzene	13.291	146	103726	19.855	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	103913	20.132	ug/l		98
89) n-Butylbenzene	13.621	91	175553	19.549	ug/l		99
90) Hexachloroethane	13.883	117	41979	19.728	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	91313	20.079	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5989	19.461	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	51079	20.712	ug/l		99
94) Hexachlorobutadiene	15.023	225	32403	21.038	ug/l		99
95) Naphthalene	15.145	128	81360	19.903	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	44068	20.955	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021829.D
Acq On : 10 Apr 2025 11:22
Operator : SY/MD
Sample : VY0410SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 01:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025

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

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

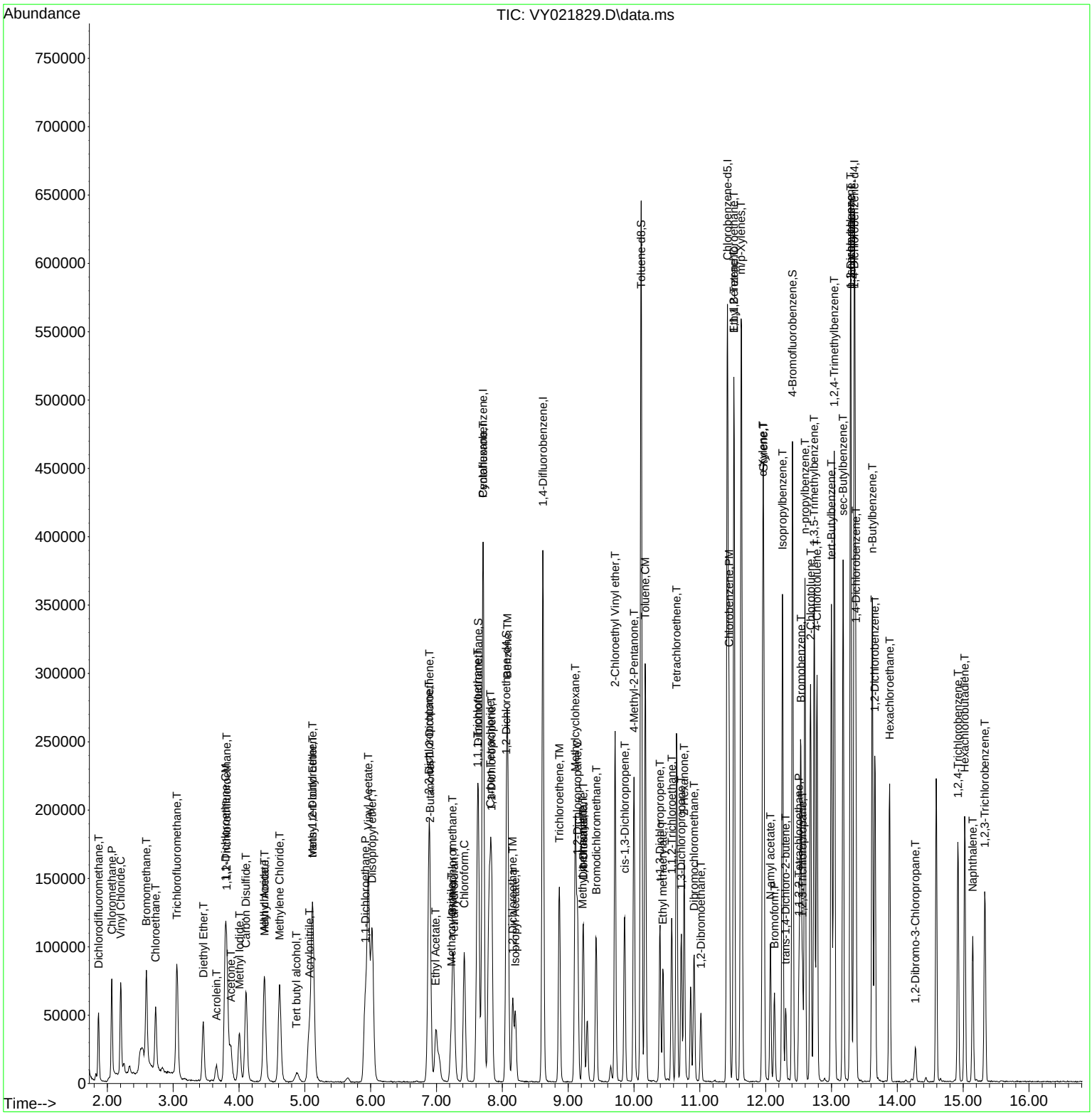
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
Data File : VY021829.D
Acq On : 10 Apr 2025 11:22
Operator : SY/MD
Sample : VY0410SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 11 01:49:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0410SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/11/2025
Supervised By :Semsettin Yesilyurt 04/11/2025



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

Manual Integration Report

Sequence:	vy032725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC050	VY021659.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	Methacrylonitrile	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICC100	VY021660.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:15 AM	MMDadoda	3/28/2025 9:32:49 AM	Peak Integrated by Software
VSTDICC150	VY021661.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:43 AM	MMDadoda	3/28/2025 9:32:53 AM	Peak Integrated by Software
VSTDICC020	VY021658.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:20 AM	MMDadoda	3/28/2025 9:32:41 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	Methacrylonitrile	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	Methacrylonitrile	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICV050	VY021663.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:11 AM	MMDadoda	3/28/2025 9:32:04 AM	Peak Integrated by Software
VSTDCCC050	VY021680.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:58 AM	MMDadoda	3/28/2025 9:32:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY041025	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021826.D	1,2,3-Trichloropropane	MMDadoda	4/11/2025 1:58:51 PM	SAM	4/11/2025 2:00:34 PM	Peak Integrated by Software
VY0410SBS01	VY021828.D	1,2,3-Trichloropropane	MMDadoda	4/11/2025 1:58:53 PM	SAM	4/11/2025 2:00:35 PM	Peak Integrated by Software
VY0410SBS01	VY021828.D	Methacrylonitrile	MMDadoda	4/11/2025 1:58:53 PM	SAM	4/11/2025 2:00:35 PM	Peak Integrated by Software
VY0410SBSD01	VY021829.D	1,2,3-Trichloropropane	MMDadoda	4/11/2025 1:58:55 PM	SAM	4/11/2025 2:00:37 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021655.D	27 Mar 2025 09:23	SY/MD	Ok
2	VSTDICC005	VY021656.D	27 Mar 2025 10:08	SY/MD	Ok,M
3	VSTDICC010	VY021657.D	27 Mar 2025 10:31	SY/MD	Ok,M
4	VSTDICC020	VY021658.D	27 Mar 2025 10:54	SY/MD	Ok,M
5	VSTDICCC050	VY021659.D	27 Mar 2025 11:16	SY/MD	Ok,M
6	VSTDICC100	VY021660.D	27 Mar 2025 11:39	SY/MD	Ok,M
7	VSTDICC150	VY021661.D	27 Mar 2025 12:02	SY/MD	Ok,M
8	VIBLK	VY021662.D	27 Mar 2025 12:35	SY/MD	Ok
9	VSTDICV050	VY021663.D	27 Mar 2025 13:15	SY/MD	Ok,M
10	VY0327SBL01	VY021664.D	27 Mar 2025 13:59	SY/MD	Ok
11	VY0327SBS01	VY021665.D	27 Mar 2025 14:38	SY/MD	Ok,M
12	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00	SY/MD	Ok,M
13	Q1661-02	VY021667.D	27 Mar 2025 15:24	SY/MD	Not Ok
14	Q1645-03RE	VY021668.D	27 Mar 2025 15:48	SY/MD	Confirms
15	Q1662-03	VY021669.D	27 Mar 2025 16:11	SY/MD	Not Ok
16	Q1662-07	VY021670.D	27 Mar 2025 16:35	SY/MD	ReRun
17	Q1661-02	VY021671.D	27 Mar 2025 16:58	SY/MD	Not Ok
18	Q1650-02	VY021672.D	27 Mar 2025 17:21	SY/MD	Not Ok
19	Q1654-01	VY021673.D	27 Mar 2025 17:45	SY/MD	Ok
20	Q1656-01	VY021674.D	27 Mar 2025 18:08	SY/MD	Not Ok
21	Q1648-09	VY021675.D	27 Mar 2025 18:32	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1648-07	VY021676.D	27 Mar 2025 18:55	SY/MD	Ok
23	Q1648-05	VY021677.D	27 Mar 2025 19:19	SY/MD	Ok
24	Q1648-01	VY021678.D	27 Mar 2025 19:42	SY/MD	Ok
25	Q1648-03	VY021679.D	27 Mar 2025 20:05	SY/MD	Ok
26	VSTDCCC050	VY021680.D	27 Mar 2025 20:28	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY041025

Review By	Mahesh Dadoda	Review On	4/11/2025 1:59:08 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/11/2025 2:00:45 PM		
SubDirectory	VY041025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133628
Initial Calibration Stds	
CCC	VP133629,VP133630
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021825.D	10 Apr 2025 08:34	SY/MD	Ok
2	VSTDCCC050	VY021826.D	10 Apr 2025 09:51	SY/MD	Ok,M
3	VY0410SBL01	VY021827.D	10 Apr 2025 10:28	SY/MD	Ok
4	VY0410SBS01	VY021828.D	10 Apr 2025 10:59	SY/MD	Ok,M
5	VY0410SBSD01	VY021829.D	10 Apr 2025 11:22	SY/MD	Ok,M
6	Q1747-01RE	VY021830.D	10 Apr 2025 12:06	SY/MD	Not Ok
7	Q1754-01RE	VY021831.D	10 Apr 2025 12:29	SY/MD	Not Ok
8	Q1732-03	VY021832.D	10 Apr 2025 12:53	SY/MD	Ok
9	Q1746-01	VY021833.D	10 Apr 2025 13:16	SY/MD	Ok
10	Q1746-03	VY021834.D	10 Apr 2025 13:40	SY/MD	Ok
11	Q1744-01	VY021835.D	10 Apr 2025 14:03	SY/MD	Ok
12	Q1744-03	VY021836.D	10 Apr 2025 14:26	SY/MD	Ok
13	Q1738-01RE	VY021837.D	10 Apr 2025 14:50	SY/MD	Confirms
14	Q1749-03	VY021838.D	10 Apr 2025 15:13	SY/MD	Ok
15	Q1743-03	VY021839.D	10 Apr 2025 15:37	SY/MD	Ok
16	Q1752-01	VY021840.D	10 Apr 2025 16:00	SY/MD	Ok
17	Q1752-03	VY021841.D	10 Apr 2025 16:24	SY/MD	Ok
18	Q1752-05	VY021842.D	10 Apr 2025 16:47	SY/MD	Ok
19	Q1752-07	VY021843.D	10 Apr 2025 17:10	SY/MD	Ok
20	Q1771-03	VY021844.D	10 Apr 2025 17:34	SY/MD	Ok
21	Q1771-07	VY021845.D	10 Apr 2025 17:57	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY041025

Review By	Mahesh Dadoda	Review On	4/11/2025 1:59:08 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/11/2025 2:00:45 PM		
SubDirectory	VY041025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133628
Initial Calibration Stds	
CCC	VP133629,VP133630
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1771-11	VY021846.D	10 Apr 2025 18:21	SY/MD	Ok
23	Q1760-03	VY021847.D	10 Apr 2025 18:44	SY/MD	Ok
24	Q1760-07	VY021848.D	10 Apr 2025 19:08	SY/MD	Dilution

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021655.D	27 Mar 2025 09:23		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021656.D	27 Mar 2025 10:08		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021657.D	27 Mar 2025 10:31		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021658.D	27 Mar 2025 10:54	Comp.#20 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021659.D	27 Mar 2025 11:16		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021660.D	27 Mar 2025 11:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021661.D	27 Mar 2025 12:02		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021662.D	27 Mar 2025 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY032725	VY021663.D	27 Mar 2025 13:15		SY/MD	Ok,M
10	VY0327SBL01	VY0327SBL01	VY021664.D	27 Mar 2025 13:59		SY/MD	Ok
11	VY0327SBS01	VY0327SBS01	VY021665.D	27 Mar 2025 14:38		SY/MD	Ok,M
12	VY0327SBSD01	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00		SY/MD	Ok,M
13	Q1661-02	351	VY021667.D	27 Mar 2025 15:24	vial-B Not purge	SY/MD	Not Ok
14	Q1645-03RE	TP-4-VOCRE	VY021668.D	27 Mar 2025 15:48	vial-B Internal Standard Fail	SY/MD	Confirms
15	Q1662-03	TP-6-VOC	VY021669.D	27 Mar 2025 16:11	vial-A NOT PURGE	SY/MD	Not Ok
16	Q1662-07	TP-7-VOC	VY021670.D	27 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1661-02	351	VY021671.D	27 Mar 2025 16:58	vial-A NOT PURGE	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1650-02	STOCK-PILE-BIN2	VY021672.D	27 Mar 2025 17:21	vial-A NOT PURGE	SY/MD	Not Ok
19	Q1654-01	RT3407	VY021673.D	27 Mar 2025 17:45	vial-A Internal Standard Fail	SY/MD	Ok
20	Q1656-01	VNJ239	VY021674.D	27 Mar 2025 18:08	vial-A NOT PURGE	SY/MD	Not Ok
21	Q1648-09	TP-7	VY021675.D	27 Mar 2025 18:32	vial-A	SY/MD	Ok
22	Q1648-07	TP-6	VY021676.D	27 Mar 2025 18:55	vial-A	SY/MD	Ok
23	Q1648-05	TP-3	VY021677.D	27 Mar 2025 19:19	vial-A	SY/MD	Ok
24	Q1648-01	TP-4	VY021678.D	27 Mar 2025 19:42	vial-A	SY/MD	Ok
25	Q1648-03	TP-5	VY021679.D	27 Mar 2025 20:05	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021680.D	27 Mar 2025 20:28		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY041025

Review By	Mahesh Dadoda	Review On	4/11/2025 1:59:08 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/11/2025 2:00:45 PM		
SubDirectory	VY041025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133628
Initial Calibration Stds	
CCC	VP133629,VP133630
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021825.D	10 Apr 2025 08:34		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021826.D	10 Apr 2025 09:51		SY/MD	Ok,M
3	VY0410SBL01	VY0410SBL01	VY021827.D	10 Apr 2025 10:28		SY/MD	Ok
4	VY0410SBS01	VY0410SBS01	VY021828.D	10 Apr 2025 10:59		SY/MD	Ok,M
5	VY0410SBSD01	VY0410SBSD01	VY021829.D	10 Apr 2025 11:22		SY/MD	Ok,M
6	Q1747-01RE	ARS20-0008RE	VY021830.D	10 Apr 2025 12:06	vial-B not purged	SY/MD	Not Ok
7	Q1754-01RE	TP-1RE	VY021831.D	10 Apr 2025 12:29	vial-B Internal standard fail;Not match for com.#64	SY/MD	Not Ok
8	Q1732-03	TT-8-VOC	VY021832.D	10 Apr 2025 12:53	vial-A	SY/MD	Ok
9	Q1746-01	B-149-SB01	VY021833.D	10 Apr 2025 13:16	vial-A	SY/MD	Ok
10	Q1746-03	B-149-SB02	VY021834.D	10 Apr 2025 13:40	vial-A	SY/MD	Ok
11	Q1744-01	B-158-SB01	VY021835.D	10 Apr 2025 14:03	vial-A	SY/MD	Ok
12	Q1744-03	B-158-SB02	VY021836.D	10 Apr 2025 14:26	vial-A	SY/MD	Ok
13	Q1738-01RE	OK-02-040425RE	VY021837.D	10 Apr 2025 14:50	vial-B Internal Standard Fail	SY/MD	Confirms
14	Q1749-03	TP-14-VOC	VY021838.D	10 Apr 2025 15:13	vial-A	SY/MD	Ok
15	Q1743-03	TP-16-VOC	VY021839.D	10 Apr 2025 15:37	vial-A	SY/MD	Ok
16	Q1752-01	TP-1	VY021840.D	10 Apr 2025 16:00	vial-A	SY/MD	Ok
17	Q1752-03	TP-2	VY021841.D	10 Apr 2025 16:24	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY041025

Review By	Mahesh Dadoda	Review On	4/11/2025 1:59:08 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	4/11/2025 2:00:45 PM		
SubDirectory	VY041025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133628
Initial Calibration Stds	
CCC	VP133629,VP133630
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1752-05	TP-4	VY021842.D	10 Apr 2025 16:47	vial-A	SY/MD	Ok
19	Q1752-07	TP-3	VY021843.D	10 Apr 2025 17:10	vial-A	SY/MD	Ok
20	Q1771-03	TP-6C-VOC	VY021844.D	10 Apr 2025 17:34	vial-A	SY/MD	Ok
21	Q1771-07	TP-7C-VOC	VY021845.D	10 Apr 2025 17:57	vial-A	SY/MD	Ok
22	Q1771-11	TP-3A-VOC	VY021846.D	10 Apr 2025 18:21	vial-A	SY/MD	Ok
23	Q1760-03	TP-17-VOC	VY021847.D	10 Apr 2025 18:44	vial-A	SY/MD	Ok
24	Q1760-07	TP-15-VOC	VY021848.D	10 Apr 2025 19:08	vial-A Internal Standard Fail; Surrogate Fail;Need MeoH	SY/MD	Dilution

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1744	**OrderDate:**	4/7/2025 11:34:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1744-01	**B-158-SB01**	**SOIL**			**04/05/25**			**04/07/25**
			VOC-TCLVOA-10	8260D			04/10/25	
Q1744-02	**B-158-SB01**	**TCLP**			**04/05/25**			**04/07/25**
			TCLP VOA	8260D			04/08/25	
Q1744-03	**B-158-SB02**	**SOIL**			**04/05/25**			**04/07/25**
			VOC-TCLVOA-10	8260D			04/10/25	
Q1744-04	**B-158-SB02**	**TCLP**			**04/05/25**			**04/07/25**
			TCLP VOA	8260D			04/08/25	