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

Hit Summary Sheet
SW-846

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration		C	MDL	RDL	Units
Client ID:	**ENV-SW01**									
Q2934-01	ENV-SW01	Water	Acetone		11.0			1.50	5.00	ug/L
			Total Voc :			11.0				
Q2934-01	ENV-SW01	Water	Sulfur dioxide	*	180		J	0	0	ug/L
			Total Tics :			180				
			Total Concentration:			191				
Client ID:	**ENV-SW02**									
Q2934-02	ENV-SW02	Water	Acetone		9.20			1.50	5.00	ug/L
			Total Voc :			9.20				
Q2934-02	ENV-SW02	Water	Sulfur dioxide	*	120		J	0	0	ug/L
			Total Tics :			120				
			Total Concentration:			129				
Client ID:	**ENV-SW03**									
Q2934-03	ENV-SW03	Water	Acetone		7.60			1.50	5.00	ug/L
			Total Voc :			7.60				
Q2934-03	ENV-SW03	Water	Sulfur dioxide	*	81.2		J	0	0	ug/L
			Total Tics :			81.2				
			Total Concentration:			88.8				
Client ID:	**ENV-SW04**									
Q2934-04	ENV-SW04	Water	Acetone		4.00		J	1.50	5.00	ug/L
			Total Voc :			4.00				
Q2934-04	ENV-SW04	Water	Sulfur dioxide	*	56.8		J	0	0	ug/L
			Total Tics :			56.8				
			Total Concentration:			60.8				

SAMPLE DATA

Raw Data: **VX047498.D**

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

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047498.D	1	08/22/25 15:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	11.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VX047498.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047498.D	1	08/22/25 15:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.6		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.0		70 (77) - 130 (121)	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	190000	5.568			
540-36-3	1,4-Difluorobenzene	389000	6.769			
3114-55-4	Chlorobenzene-d5	395000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	208000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047498.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW01	SDG No.:	Q2934
Lab Sample ID:	Q2934-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047498.D	1	08/22/25 15:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	180	J		1.26	ug/L

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

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

Raw Data: **VX047499.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047499.D	1	08/22/25 15:43	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	9.20		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VX047499.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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047499.D	1	08/22/25 15:43	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.7		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	221000	5.562			
540-36-3	1,4-Difluorobenzene	450000	6.769			
3114-55-4	Chlorobenzene-d5	448000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	236000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047499.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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW02	SDG No.:	Q2934
Lab Sample ID:	Q2934-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047499.D	1	08/22/25 15:43	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	120	J		1.26	ug/L

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

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

Raw Data: **VX047500.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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047500.D	1	08/22/25 16:04	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	7.60		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047500.D	1	08/22/25 16:04	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.6		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	5.568			
540-36-3	1,4-Difluorobenzene	446000	6.769			
3114-55-4	Chlorobenzene-d5	450000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	240000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047500.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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW03	SDG No.:	Q2934
Lab Sample ID:	Q2934-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047500.D	1	08/22/25 16:04	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	81.2	J		1.26	ug/L

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

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

Raw Data: **VX047501.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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047501.D	1	08/22/25 16:25	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	4.00	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VX047501.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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047501.D	1	08/22/25 16:25	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.8		70 (74) - 130 (125)	120%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	5.562			
540-36-3	1,4-Difluorobenzene	427000	6.769			
3114-55-4	Chlorobenzene-d5	435000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	224000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047501.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:	08/21/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	08/21/25
Client Sample ID:	ENV-SW04	SDG No.:	Q2934
Lab Sample ID:	Q2934-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047501.D	1	08/22/25 16:25	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	56.8	J		1.26	ug/L

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

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

QC SUMMARY

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

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2934-01	ENV-SW01	1,2-Dichloroethane-d4	50	57.6	115		70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100		70 (75)	130 (124)
		Toluene-d8	50	49.1	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.0	114		70 (77)	130 (121)
Q2934-02	ENV-SW02	1,2-Dichloroethane-d4	50	57.7	115		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	48.4	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.5	111		70 (77)	130 (121)
Q2934-03	ENV-SW03	1,2-Dichloroethane-d4	50	57.6	115		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	48.6	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.7	111		70 (77)	130 (121)
Q2934-04	ENV-SW04	1,2-Dichloroethane-d4	50	59.8	120		70 (74)	130 (125)
		Dibromofluoromethane	50	50.6	101		70 (75)	130 (124)
		Toluene-d8	50	48.4	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.4	113		70 (77)	130 (121)
VX0822WBL01	VX0822WBL01	1,2-Dichloroethane-d4	50	57.9	116		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	49.3	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.5	113		70 (77)	130 (121)
VX0822WBS01	VX0822WBS01	1,2-Dichloroethane-d4	50	52.6	105		70 (74)	130 (125)
		Dibromofluoromethane	50	48.3	97		70 (75)	130 (124)
		Toluene-d8	50	46.7	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.8	99		70 (77)	130 (121)
VX0822WBSD0	VX0822WBSD01	1,2-Dichloroethane-d4	50	49.6	99		70 (74)	130 (125)
		Dibromofluoromethane	50	47.9	96		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.5	97		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: Q2934 **Analytical Method:** SW8260-Low

Client: Portal Partners Tri-Venture **Datafile :** VX047487.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0822WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			40 (69)	160 (116)	
	Chloromethane	20	16.7	ug/L	84			40 (65)	160 (116)	
	Vinyl chloride	20	17.6	ug/L	88			70 (65)	130 (117)	
	Bromomethane	20	17.4	ug/L	87			40 (58)	160 (125)	
	Chloroethane	20	18.8	ug/L	94			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.4	ug/L	92			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.8	ug/L	94			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	17.6	ug/L	88			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	22.4	ug/L	112			70 (67)	130 (125)	
	Methylene Chloride	20	20.5	ug/L	103			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.0	ug/L	100			70 (78)	130 (112)	
	Cyclohexane	20	18.1	ug/L	91			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.1	ug/L	91			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			70 (77)	130 (110)	
	Bromochloromethane	20	22.2	ug/L	111			70 (70)	130 (124)	
	Chloroform	20	20.9	ug/L	104			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			70 (80)	130 (108)	
	Methylcyclohexane	20	16.6	ug/L	83			70 (72)	130 (115)	
	Benzene	20	19.2	ug/L	96			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.8	ug/L	99			70 (80)	130 (115)	
	Trichloroethene	20	18.6	ug/L	93			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.1	ug/L	101			70 (83)	130 (111)	
	Bromodichloromethane	20	20.0	ug/L	100			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	19.3	ug/L	97			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.3	ug/L	102			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.3	ug/L	102			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.5	ug/L	103			70 (83)	130 (112)	
	2-Hexanone	100	98.3	ug/L	98			40 (73)	160 (117)	
	Dibromochloromethane	20	20.4	ug/L	102			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.6	ug/L	98			70 (81)	130 (110)	
	Tetrachloroethene	20	17.8	ug/L	89			70 (67)	130 (123)	
	Chlorobenzene	20	18.8	ug/L	94			70 (82)	130 (109)	
	Ethyl Benzene	20	18.1	ug/L	91			70 (83)	130 (109)	
	m/p-Xylenes	40	37.2	ug/L	93			70 (82)	130 (110)	
	o-Xylene	20	18.5	ug/L	93			70 (83)	130 (109)	
	Styrene	20	19.2	ug/L	96			70 (80)	130 (111)	
	Bromoform	20	19.0	ug/L	95			70 (79)	130 (109)	
	Isopropylbenzene	20	17.3	ug/L	86			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.8	ug/L	89			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** SW8260-Low

Client: Portal Partners Tri-Venture **Datafile :** VX047487.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0822WBS01	1,2-Dibromo-3-Chloropropane	20	17.9	ug/L	90			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.6	ug/L	88			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** SW8260-Low

Client: Portal Partners Tri-Venture **Datafile :** VX047488.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0822WBSD01	Dichlorodifluoromethane	20	17.4	ug/L	87	1		40 (69)	160 (116)	20 (19)
	Chloromethane	20	17.4	ug/L	87	4		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	17.0	ug/L	85	3		70 (65)	130 (117)	20 (19)
	Bromomethane	20	18.2	ug/L	91	4		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.3	ug/L	92	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	17.6	ug/L	88	4		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94	0		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	17.4	ug/L	87	8		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.2	ug/L	86	2		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.5	ug/L	103	1		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	22.6	ug/L	113	1		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.9	ug/L	100	3		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.3	ug/L	92	2		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.7	ug/L	99	1		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.2	ug/L	91	0		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	17.9	ug/L	90	1		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.8	ug/L	99	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	21.7	ug/L	109	2		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.1	ug/L	101	3		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	18.7	ug/L	94	3		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.0	ug/L	85	2		70 (72)	130 (115)	20 (20)
	Benzene	20	19.1	ug/L	96	0		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	19.5	ug/L	98	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.3	ug/L	92	1		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.2	ug/L	96	5		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	19.6	ug/L	98	2		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	100	ug/L	100	0		40 (74)	160 (118)	20 (25)
	Toluene	20	18.8	ug/L	94	3		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	19.6	ug/L	98	4		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.4	ug/L	97	5		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	19.9	ug/L	100	3		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	98.0	ug/L	98	0		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	19.6	ug/L	98	4		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.5	ug/L	98	0		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	17.8	ug/L	89	0		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.6	ug/L	93	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	18.5	ug/L	93	2		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	37.6	ug/L	94	1		70 (82)	130 (110)	20 (15)
	o-Xylene	20	18.7	ug/L	94	1		70 (83)	130 (109)	20 (20)
	Styrene	20	19.3	ug/L	97	1		70 (80)	130 (111)	20 (17)
	Bromoform	20	20.1	ug/L	101	6		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	18.9	ug/L	95	10		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	20.0	ug/L	100	6		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.2	ug/L	96	8		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	18.8	ug/L	94	5		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	19.4	ug/L	97	6		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2934 **Analytical Method:** SW8260-Low

Client: Portal Partners Tri-Venture **Datafile :** VX047488.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0822WBSD01	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96	6		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94	8		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96	9		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0822WBL01

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG NO.: Q2934

Lab File ID: VX047486.D | Lab Sample ID: VX0822WBL01

Date Analyzed: 08/22/2025 | Time Analyzed: 10:53

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0822WBS01	VX0822WBS01	VX047487.D	08/22/2025
VX0822WBSD01	VX0822WBSD01	VX047488.D	08/22/2025
ENV-SW01	Q2934-01	VX047498.D	08/22/2025
ENV-SW02	Q2934-02	VX047499.D	08/22/2025
ENV-SW03	Q2934-03	VX047500.D	08/22/2025
ENV-SW04	Q2934-04	VX047501.D	08/22/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG NO.: Q2934

Lab File ID: VX047347.D | BFB Injection Date: 08/15/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:28

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX047349.D	08/15/2025	09:40
VSTDICC020	VSTDICC020	VX047350.D	08/15/2025	10:01
VSTDICCC050	VSTDICCC050	VX047351.D	08/15/2025	10:22
VSTDICC100	VSTDICC100	VX047352.D	08/15/2025	10:43
VSTDICC150	VSTDICC150	VX047353.D	08/15/2025	11:05
VSTDICC001	VSTDICC001	VX047356.D	08/15/2025	12:30

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: PORT06

Lab Code: ACE | SDG NO.: Q2934

Lab File ID: VX047483.D | BFB Injection Date: 08/22/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:25

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	71.3
175	5.0 - 9.0% of mass 174	5.4 (7.6) 1
176	95.0 - 101.0% of mass 174	69.6 (97.7) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047484.D	08/22/2025	10:00
VX0822WBL01	VX0822WBL01	VX047486.D	08/22/2025	10:53
VX0822WBS01	VX0822WBS01	VX047487.D	08/22/2025	11:22
VX0822WBSD01	VX0822WBSD01	VX047488.D	08/22/2025	11:51
ENV-SW01	Q2934-01	VX047498.D	08/22/2025	15:22
ENV-SW02	Q2934-02	VX047499.D	08/22/2025	15:43
ENV-SW03	Q2934-03	VX047500.D	08/22/2025	16:04
ENV-SW04	Q2934-04	VX047501.D	08/22/2025	16:25

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab File ID: VX047484.D Date Analyzed: 08/22/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	202377	5.56	354638	6.76	324101	10.05
UPPER LIMIT	404754	6.056	709276	7.263	648202	10.549
LOWER LIMIT	101189	5.056	177319	6.263	162051	9.549
EPA SAMPLE NO.						
ENV-SW01	190163	5.57	388667	6.77	394548	10.06
ENV-SW02	221184	5.56	449540	6.77	448300	10.06
ENV-SW03	218472	5.57	445802	6.77	449549	10.06
ENV-SW04	210244	5.56	427078	6.77	435148	10.06
VX0822WBL01	210866	5.56	425323	6.77	433100	10.06
VX0822WBS01	232449	5.56	415073	6.76	390461	10.06
VX0822WBSD01	237872	5.56	423338	6.76	387914	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG NO.: Q2934

Lab File ID: VX047484.D Date Analyzed: 08/22/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS4 AREA #	RT #				
12 HOUR STD	162878	12.018				
UPPER LIMIT	325756	12.518				
LOWER LIMIT	81439	11.518				
EPA SAMPLE NO.						
ENV-SW01	208234	12.02				
ENV-SW02	236211	12.02				
ENV-SW03	239933	12.02				
ENV-SW04	223730	12.02				
VX0822WBL01	221983	12.02				
VX0822WBS01	202080	12.02				
VX0822WBSD01	191887	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Raw Data: **VX047486.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBL01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047486.D	1	08/22/25 10:53	VX082225

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

Raw Data: **VX047486.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:	VX0822WBL01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047486.D	1	08/22/25 10:53	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.9		70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	211000	5.562			
540-36-3	1,4-Difluorobenzene	425000	6.769			
3114-55-4	Chlorobenzene-d5	433000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	222000	12.018			

Raw Data: **VX047486.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:	VX0822WBL01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047486.D	1	08/22/25 10:53	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **VX047487.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:	VX0822WBS01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047487.D	1	08/22/25 11:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.22	1.00	ug/L
74-87-3	Chloromethane	16.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.6		0.26	1.00	ug/L
74-83-9	Bromomethane	17.4		1.40	5.00	ug/L
75-00-3	Chloroethane	18.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.4		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.4		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.19	1.00	ug/L
74-97-5	Bromochloromethane	22.2		0.22	1.00	ug/L
67-66-3	Chloroform	20.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.6		0.16	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.6		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.1		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.3		0.14	1.00	ug/L

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:	VX0822WBS01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047487.D	1	08/22/25 11:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	98.3		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	37.2		0.24	2.00	ug/L
95-47-6	o-Xylene	18.5		0.12	1.00	ug/L
100-42-5	Styrene	19.2		0.15	1.00	ug/L
75-25-2	Bromoform	19.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.8		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.9		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	46.7		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	232000	5.556			
540-36-3	1,4-Difluorobenzene	415000	6.763			
3114-55-4	Chlorobenzene-d5	390000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	202000	12.018			

Raw Data: **VX047487.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:	VX0822WBS01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047487.D	1	08/22/25 11:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **VX047488.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBSD01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047488.D	1	08/22/25 11:51	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.4		0.22	1.00	ug/L
74-87-3	Chloromethane	17.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.0		0.26	1.00	ug/L
74-83-9	Bromomethane	18.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.6		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.4		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.5		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.6		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.3		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.2		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	21.7		0.22	1.00	ug/L
67-66-3	Chloroform	20.1		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.0		0.16	1.00	ug/L
71-43-2	Benzene	19.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.2		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	18.8		0.14	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBSD01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047488.D	1	08/22/25 11:51	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	98.0		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.5		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	37.6		0.24	2.00	ug/L
95-47-6	o-Xylene	18.7		0.12	1.00	ug/L
100-42-5	Styrene	19.3		0.15	1.00	ug/L
75-25-2	Bromoform	20.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.2		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.4		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.1		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	46.4		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	238000	5.562			
540-36-3	1,4-Difluorobenzene	423000	6.763			
3114-55-4	Chlorobenzene-d5	388000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	192000	12.018			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0822WBSD01	SDG No.:	Q2934
Lab Sample ID:	VX0822WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047488.D	1	08/22/25 11:51	VX082225

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: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30

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

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.558	0.638	0.731	0.671	0.680	0.546	0.637	11.4
Chloromethane	0.539	0.568	0.624	0.567	0.594	0.549	0.573	5.4
Vinyl Chloride	0.651	0.751	0.800	0.729	0.757	0.630	0.720	9.2
Bromomethane	0.251	0.296	0.336	0.309	0.261		0.291	11.9
Chloroethane	0.392	0.440	0.463	0.410	0.422	0.515	0.440	10
Trichlorofluoromethane	1.012	1.121	1.188	1.060	1.069	0.938	1.065	8.1
1,1,2-Trichlorotrifluoroethane	0.589	0.664	0.697	0.624	0.637	0.494	0.618	11.4
1,1-Dichloroethene	0.575	0.664	0.697	0.635	0.651	0.555	0.630	8.6
Acetone	0.259	0.310	0.280	0.240	0.240	0.249	0.263	10.5
Carbon Disulfide	1.747	1.916	1.993	1.819	1.854	2.069	1.900	6.2
Methyl tert-butyl Ether	1.768	2.019	2.175	1.962	2.014	1.554	1.915	11.5
Methyl Acetate	0.620	0.661	0.769	0.689	0.728	0.621	0.682	8.7
Methylene Chloride	0.645	0.732	0.757	0.669	0.684	0.691	0.697	5.9
trans-1,2-Dichloroethene	0.638	0.705	0.725	0.655	0.664	0.621	0.668	6
1,1-Dichloroethane	1.180	1.294	1.356	1.210	1.238	1.052	1.222	8.5
Cyclohexane	1.024	1.202	1.210	1.082	1.113		1.126	7
2-Butanone	0.328	0.378	0.389	0.342	0.343	0.287	0.344	10.6
Carbon Tetrachloride	0.536	0.596	0.607	0.549	0.554	0.515	0.560	6.3
cis-1,2-Dichloroethene	0.758	0.826	0.846	0.769	0.779	0.692	0.778	7
Bromochloromethane	0.543	0.402	0.540	0.560	0.525	0.481	0.508	11.6
Chloroform	1.236	1.328	1.368	1.214	1.243	1.091	1.247	7.8
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8
Methylcyclohexane	0.589	0.673	0.695	0.640	0.642	0.595	0.639	6.5
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1
1,2-Dichloroethane	0.521	0.594	0.600	0.532	0.528	0.484	0.543	8.3
Trichloroethene	0.383	0.423	0.432	0.390	0.391	0.336	0.393	8.6
1,2-Dichloropropane	0.349	0.415	0.421	0.381	0.382	0.357	0.384	7.6
Bromodichloromethane	0.548	0.621	0.635	0.578	0.573	0.513	0.578	7.8
4-Methyl-2-Pentanone	0.408	0.479	0.509	0.451	0.444	0.346	0.440	13
Toluene	0.920	1.043	1.057	0.936	0.927	0.802	0.947	9.9

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: PORT06

Lab Code: ACE SDG No.: Q2934

Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30

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

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.444	0.537	0.584	0.541	0.550	0.371	0.505	15.9
cis-1,3-Dichloropropene	0.531	0.608	0.642	0.592	0.602	0.451	0.571	12
1,1,2-Trichloroethane	0.358	0.393	0.396	0.352	0.347	0.313	0.360	8.6
2-Hexanone	0.284	0.338	0.347	0.310	0.306	0.239	0.304	12.9
Dibromochloromethane	0.412	0.461	0.464	0.426	0.420	0.382	0.428	7.3
1,2-Dibromoethane	0.358	0.397	0.409	0.365	0.361	0.336	0.371	7.2
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8
Chlorobenzene	1.163	1.268	1.286	1.163	1.175	1.073	1.188	6.6
Ethyl Benzene	1.941	2.216	2.277	2.062	2.056	1.718	2.045	9.8
m/p-Xylenes	0.722	0.831	0.858	0.765	0.759	0.642	0.763	10.2
o-Xylene	0.679	0.793	0.813	0.735	0.732	0.651	0.734	8.6
Styrene	1.186	1.397	1.411	1.271	1.266	0.909	1.240	14.8
Bromoform	0.294	0.322	0.335	0.306	0.313	0.241	0.302	10.9
Isopropylbenzene	3.547	4.192	4.399	4.048	4.080	3.211	3.913	11.4
1,1,2,2-Tetrachloroethane	1.077	1.208	1.269	1.142	1.152	1.044	1.149	7.2
1,3-Dichlorobenzene	1.719	1.907	1.983	1.811	1.823	1.710	1.825	5.8
1,4-Dichlorobenzene	1.788	1.952	1.986	1.788	1.814	1.936	1.877	4.8
1,2-Dichlorobenzene	1.617	1.851	1.862	1.705	1.729	1.631	1.733	6.1
1,2-Dibromo-3-Chloropropane	0.182	0.225	0.247	0.238	0.249	0.191	0.222	13
1,2,4-Trichlorobenzene	1.030	1.168	1.234	1.191	1.204	1.144	1.161	6.2
1,2,3-Trichlorobenzene	0.919	1.109	1.174	1.132	1.160	1.075	1.095	8.5
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: PORT06
Lab Code: ACE
SDG No.: Q2934
Instrument ID: MSVOA_X
Calibration Date/Time: 08/22/2025 10:00
Lab File ID: VX047484.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.547		-14.13	20
Chloromethane	0.573	0.473	0.1	-17.45	20
Vinyl Chloride	0.720	0.631		-12.36	20
Bromomethane	0.291	0.250		-14.09	20
Chloroethane	0.440	0.402		-8.64	20
Trichlorofluoromethane	1.065	0.924		-13.24	20
1,1,2-Trichlorotrifluoroethane	0.618	0.560		-9.39	20
1,1-Dichloroethene	0.630	0.555		-11.9	20
Acetone	0.263	0.282		7.22	20
Carbon Disulfide	1.900	1.609		-15.32	20
Methyl tert-butyl Ether	1.915	2.042		6.63	20
Methyl Acetate	0.682	0.790		15.84	20
Methylene Chloride	0.697	0.691		-0.86	20
trans-1,2-Dichloroethene	0.668	0.628		-5.99	20
1,1-Dichloroethane	1.222	1.211	0.1	-0.9	20
Cyclohexane	1.126	0.960		-14.74	20
2-Butanone	0.344	0.384		11.63	20
Carbon Tetrachloride	0.560	0.491		-12.32	20
cis-1,2-Dichloroethene	0.778	0.776		-0.26	20
Bromochloromethane	0.508	0.605		19.09	20
Chloroform	1.247	1.259		0.96	20
1,1,1-Trichloroethane	1.073	1.002		-6.62	20
Methylcyclohexane	0.639	0.539		-15.65	20
Benzene	1.533	1.461		-4.7	20
1,2-Dichloroethane	0.543	0.547		0.74	20
Trichloroethene	0.393	0.354		-9.92	20
1,2-Dichloropropane	0.384	0.384		0	20
Bromodichloromethane	0.578	0.591		2.25	20
4-Methyl-2-Pentanone	0.440	0.451		2.5	20
Toluene	0.947	0.910		-3.91	20
t-1,3-Dichloropropene	0.505	0.537		6.34	20
cis-1,3-Dichloropropene	0.571	0.594		4.03	20
1,1,2-Trichloroethane	0.360	0.370		2.78	20
2-Hexanone	0.304	0.307		0.99	20
Dibromochloromethane	0.428	0.433		1.17	20
1,2-Dibromoethane	0.371	0.377		1.62	20
Tetrachloroethene	0.362	0.321		-11.33	20
Chlorobenzene	1.188	1.118	0.3	-5.89	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: PORT06
Lab Code: ACE
SDG No.: Q2934
Instrument ID: MSVOA_X
Calibration Date/Time: 08/22/2025 10:00
Lab File ID: VX047484.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.893		-7.43	20
m/p-Xylenes	0.763	0.718		-5.9	20
o-Xylene	0.734	0.694		-5.45	20
Styrene	1.240	1.233		-0.56	20
Bromoform	0.302	0.306	0.1	1.33	20
Isopropylbenzene	3.913	3.516		-10.15	20
1,1,2,2-Tetrachloroethane	1.149	1.119	0.3	-2.61	20
1,3-Dichlorobenzene	1.825	1.671		-8.44	20
1,4-Dichlorobenzene	1.877	1.682		-10.39	20
1,2-Dichlorobenzene	1.733	1.613		-6.92	20
1,2-Dibromo-3-Chloropropane	0.222	0.213		-4.05	20
1,2,4-Trichlorobenzene	1.161	1.089		-6.2	20
1,2,3-Trichlorobenzene	1.095	1.040		-5.02	20
1,2-Dichloroethane-d4	0.700	0.775		10.71	20
Dibromofluoromethane	0.325	0.344		5.85	20
Toluene-d8	1.160	1.183		1.98	20
4-Bromofluorobenzene	0.428	0.453		5.84	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_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Quant Time: Aug 25 01:29:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

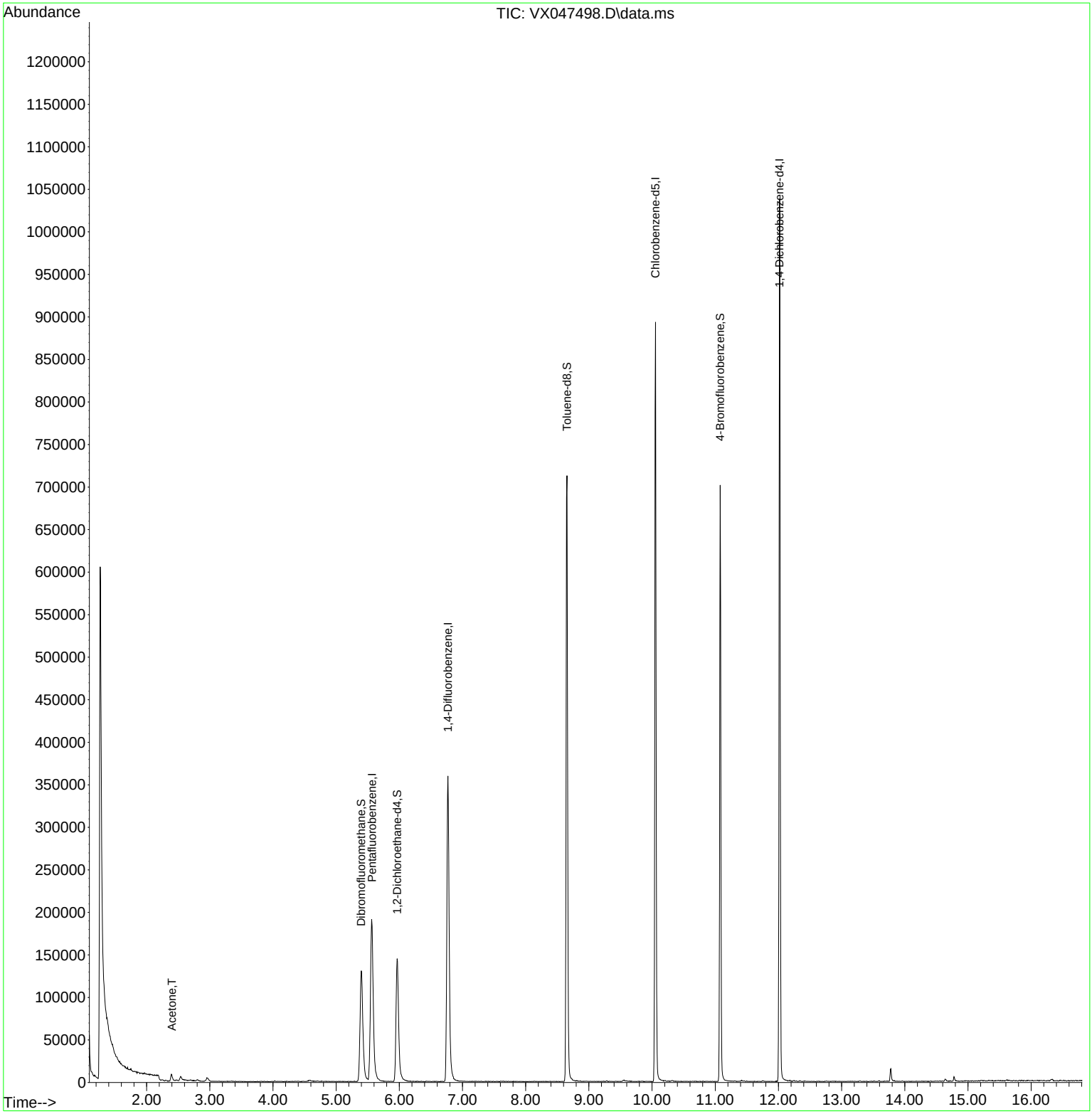
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	190163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	388667	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	394548	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	208234	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	153384	57.633	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.260%			
35) Dibromofluoromethane	5.397	113	125772	49.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.720%			
50) Toluene-d8	8.653	98	442632	49.094	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.180%			
62) 4-Bromofluorobenzene	11.079	95	189548	56.971	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.940%			
Target Compounds						Qvalue
16) Acetone	2.398	43	11053	11.049	ug/l #	87

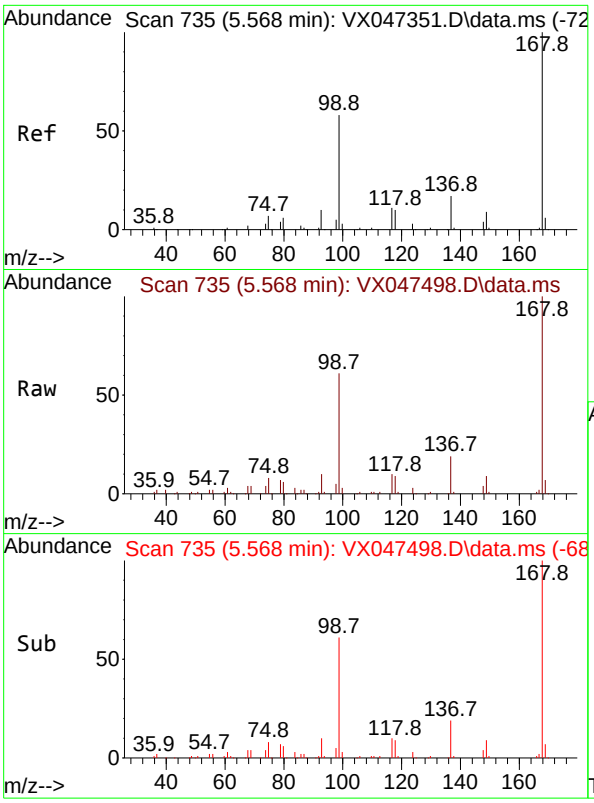
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Quant Time: Aug 25 01:29:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



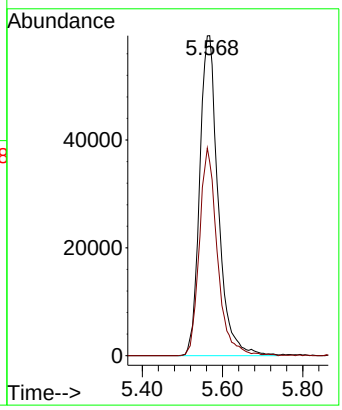


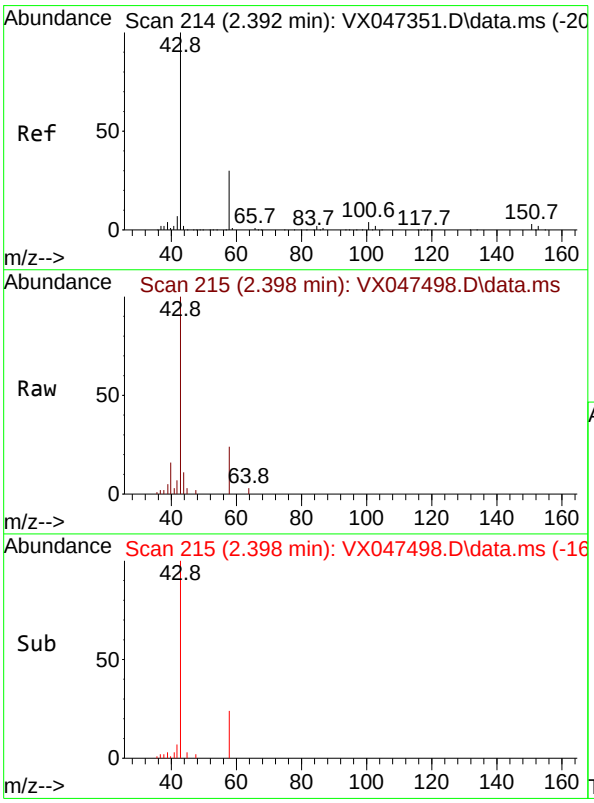
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Tgt Ion:168 Resp: 190163

Ion	Ratio	Lower	Upper
168	100		
99	60.5	47.9	71.9

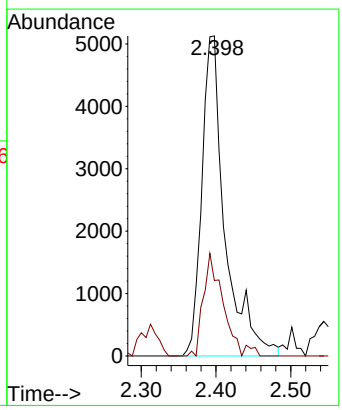


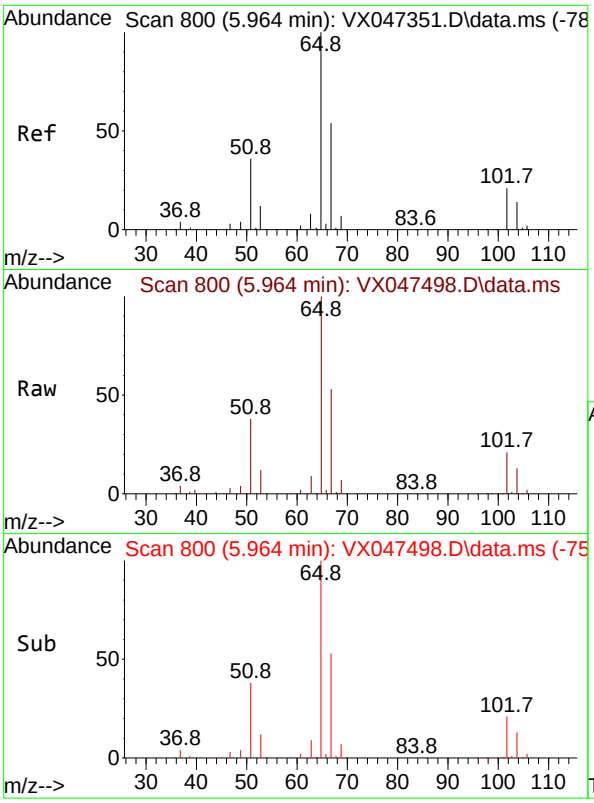


#16
Acetone
Concen: 11.049 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Tgt Ion: 43 Resp: 11053

Ion	Ratio	Lower	Upper
43	100		
58	23.6	24.8	37.2#



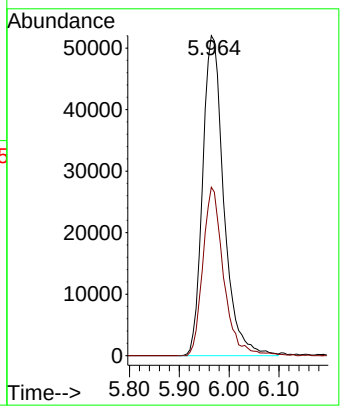


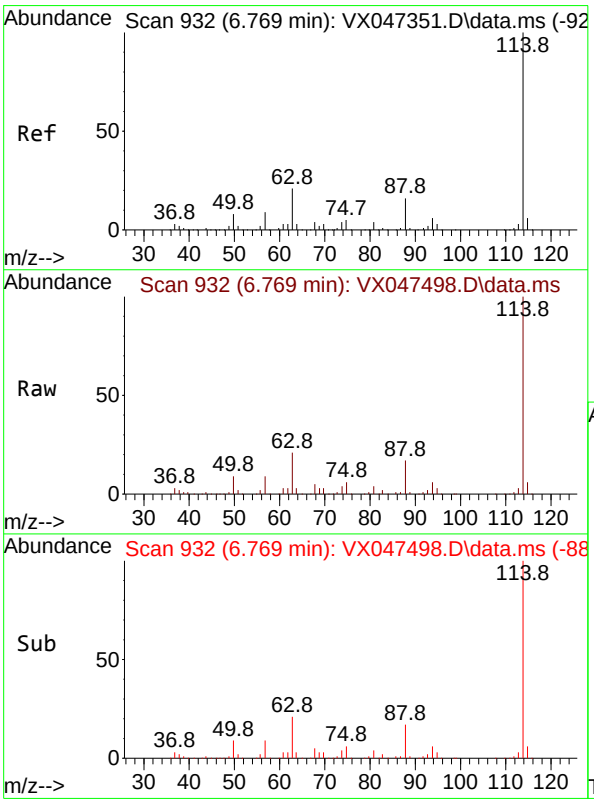
#33
1,2-Dichloroethane-d4
Concen: 57.633 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Tgt Ion: 65 Resp: 153384

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.0

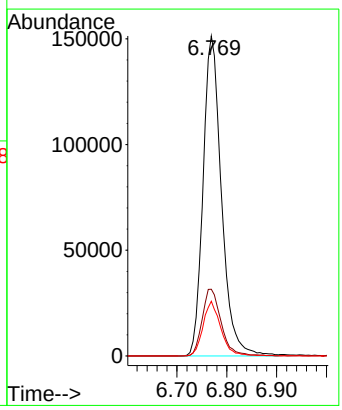


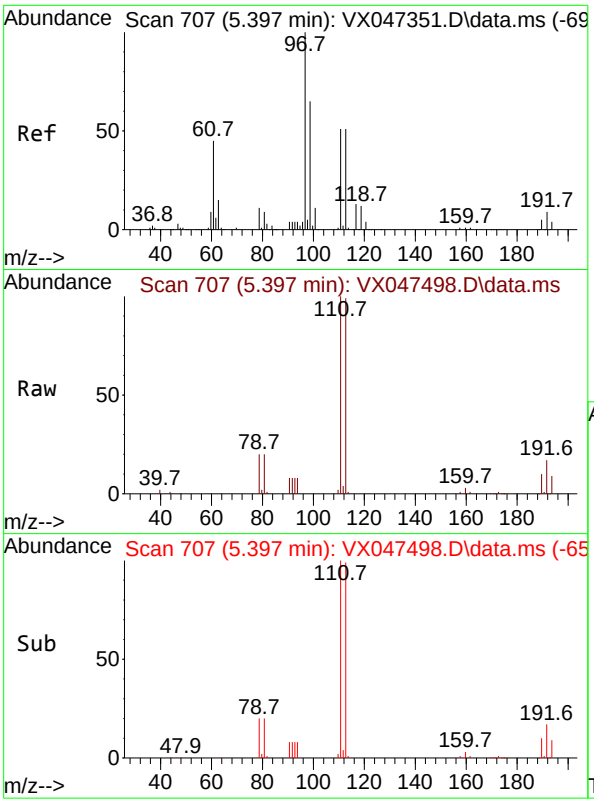


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Tgt Ion:114 Resp: 388667

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	42.4
88	17.1	0.0	33.0



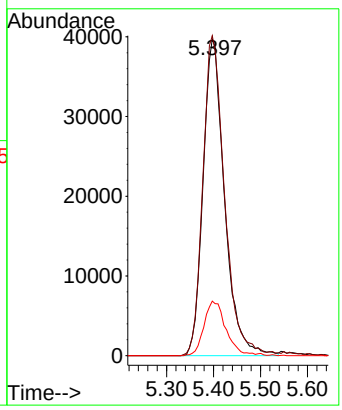


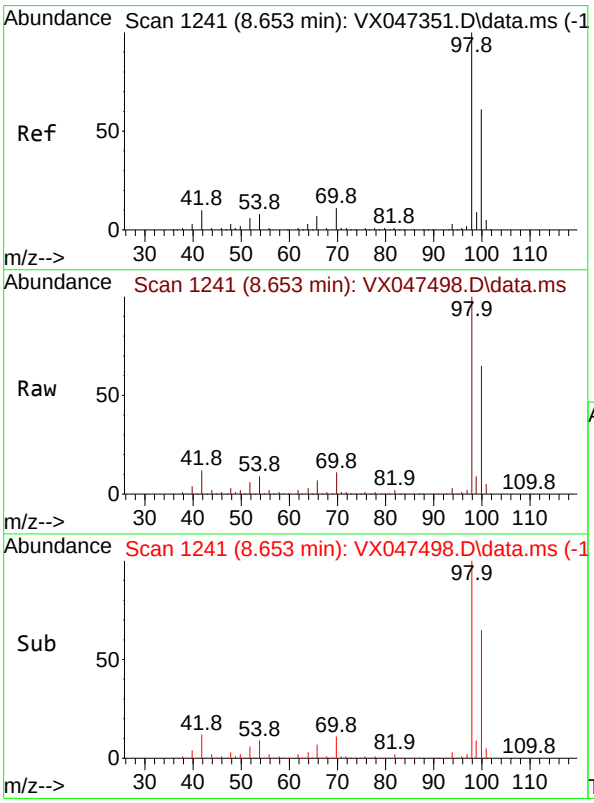
#35
Dibromofluoromethane
Concen: 49.860 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Tgt Ion:113 Resp: 125772

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	17.7	14.1	21.1

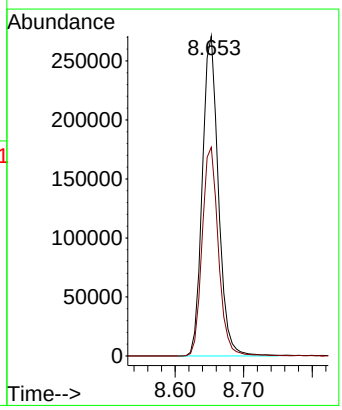


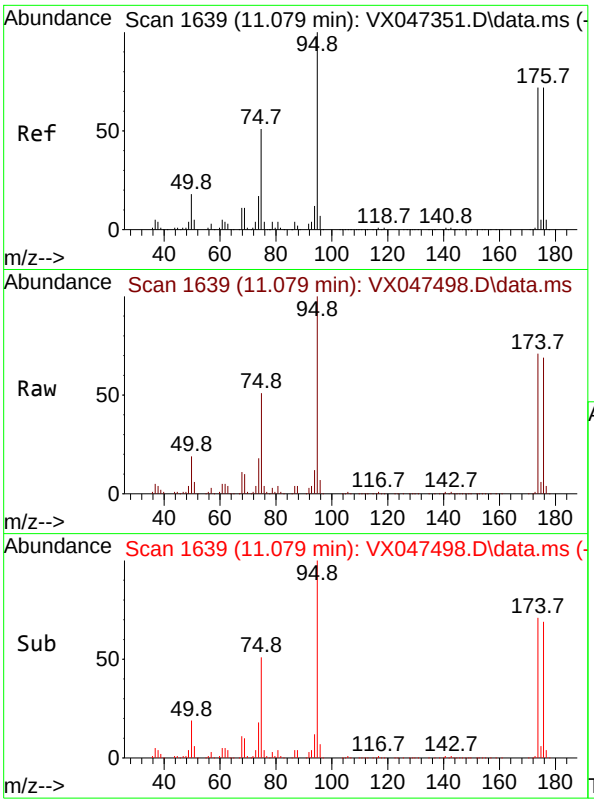


#50
Toluene-d8
Concen: 49.094 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Tgt Ion: 98 Resp: 442632

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.9	80.9



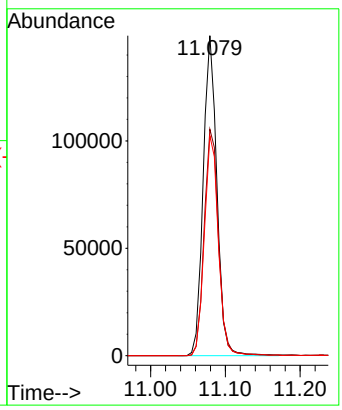


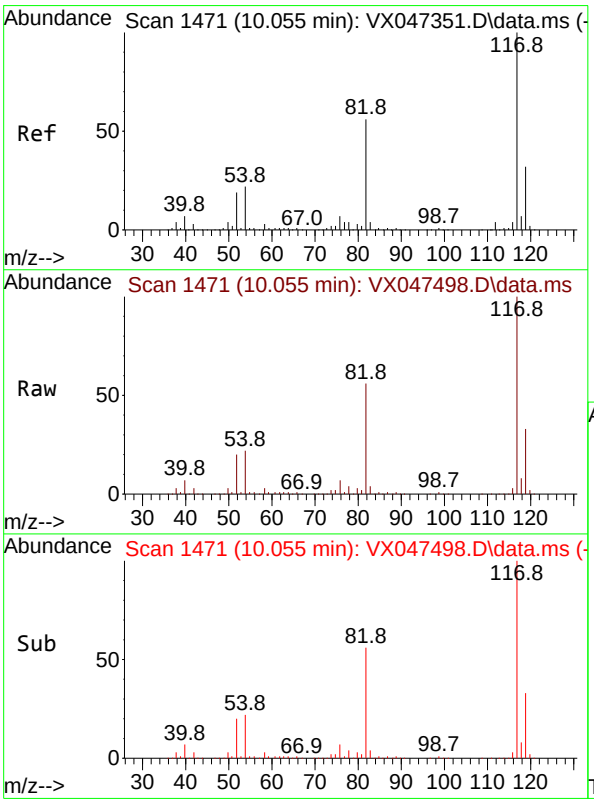
#62
4-Bromofluorobenzene
Concen: 56.971 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Tgt Ion: 95 Resp: 189548

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	148.0
176	70.6	0.0	145.4

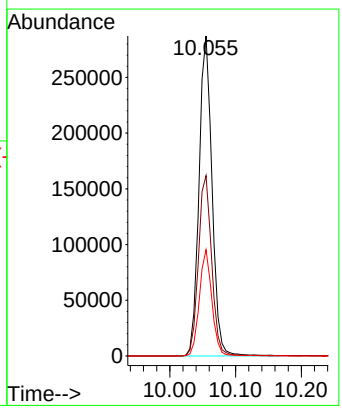


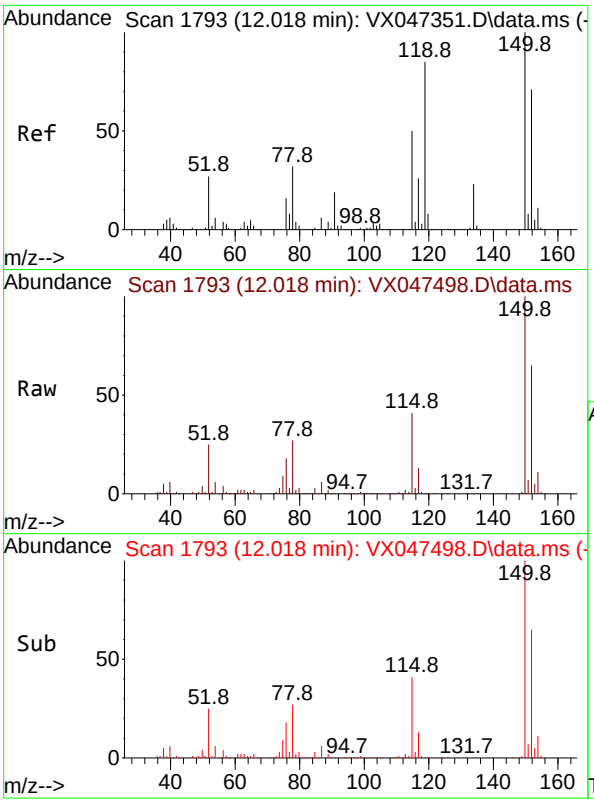


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Tgt Ion:117 Resp: 394548

Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.0	67.4
119	33.2	25.8	38.8



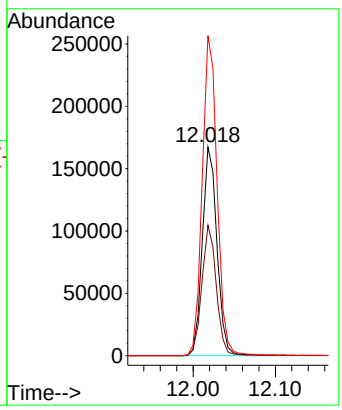


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047498.D
Acq: 22 Aug 2025 15:22

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Tgt Ion:152 Resp: 208234

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.6	133.8
150	156.1	0.0	349.8



Sample Results: **VX047498.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047498.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	79	rBV	601660	2102980	100.00%	23.152%
2	5.397	694	707	725	rBV2	130406	414470	19.71%	4.563%
3	5.562	725	734	756	rVB	189750	588302	27.97%	6.477%
4	5.964	790	800	822	rBV	144382	422524	20.09%	4.652%
5	6.769	921	932	948	rBV	359223	919699	43.73%	10.125%
6	8.653	1233	1241	1260	rBV	712055	1191835	56.67%	13.121%
7	10.055	1465	1471	1482	rBV	892577	1229765	58.48%	13.539%
8	11.079	1634	1639	1659	rVB	700601	900066	42.80%	9.909%
9	12.018	1788	1793	1810	rBV	1037438	1291927	61.43%	14.223%
10	13.780	2077	2082	2088	rBV2	14778	21764	1.03%	0.240%

Sum of corrected areas: 9083332

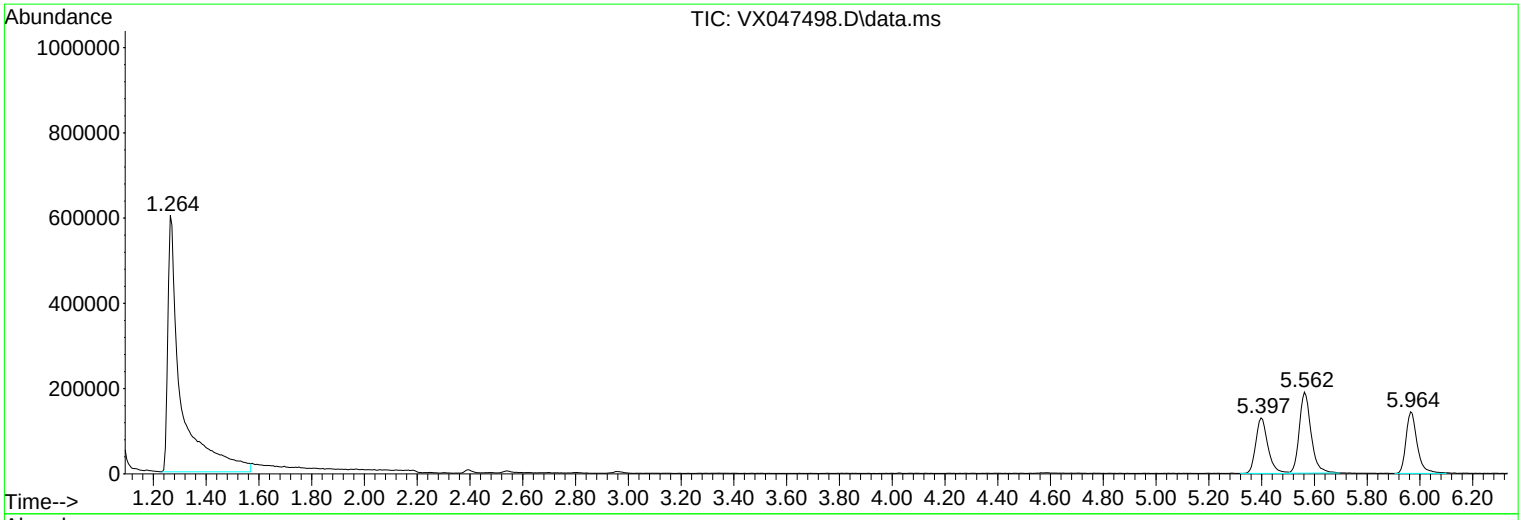
Sample Results: **VX047498.D**

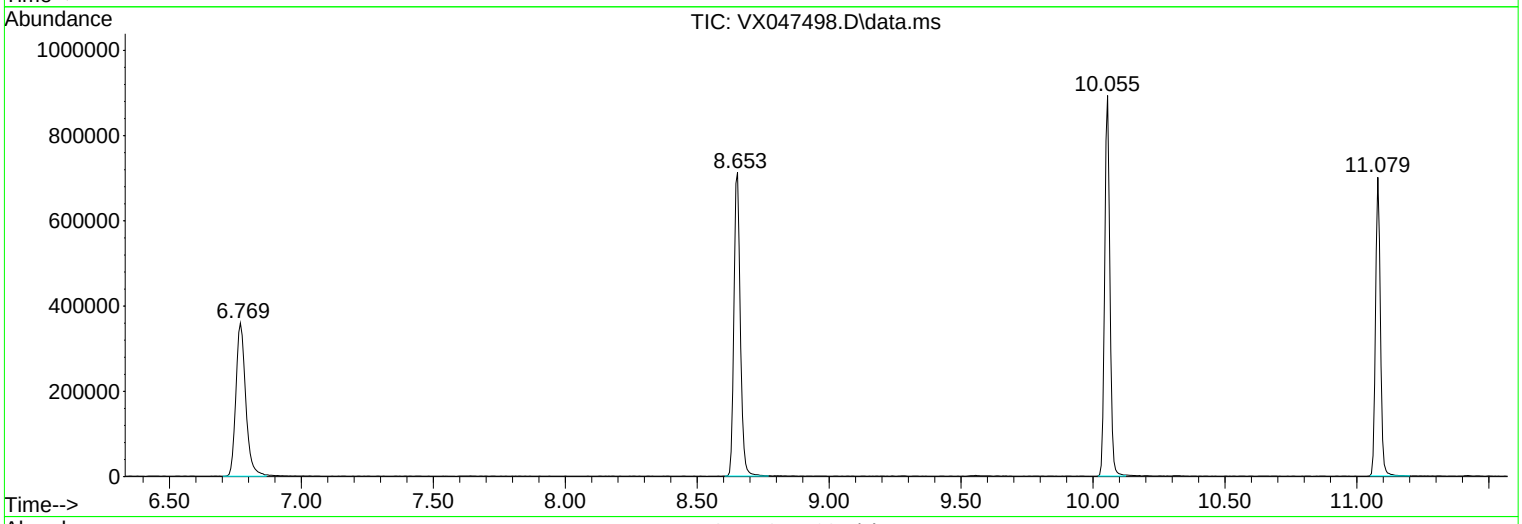
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

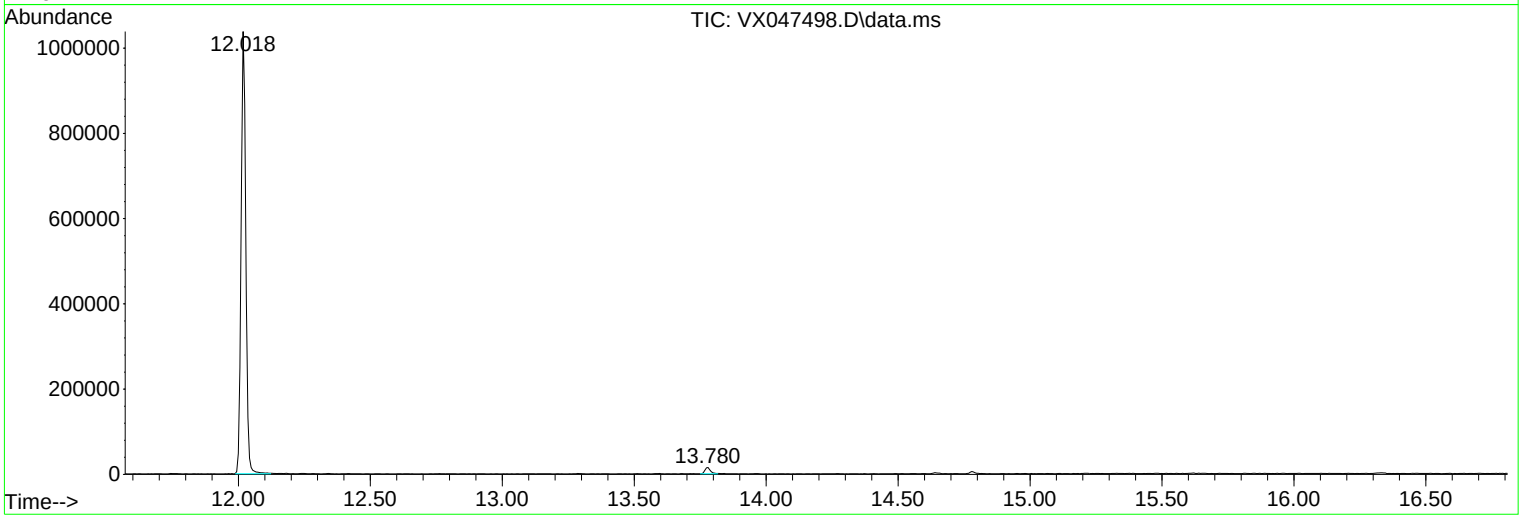
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

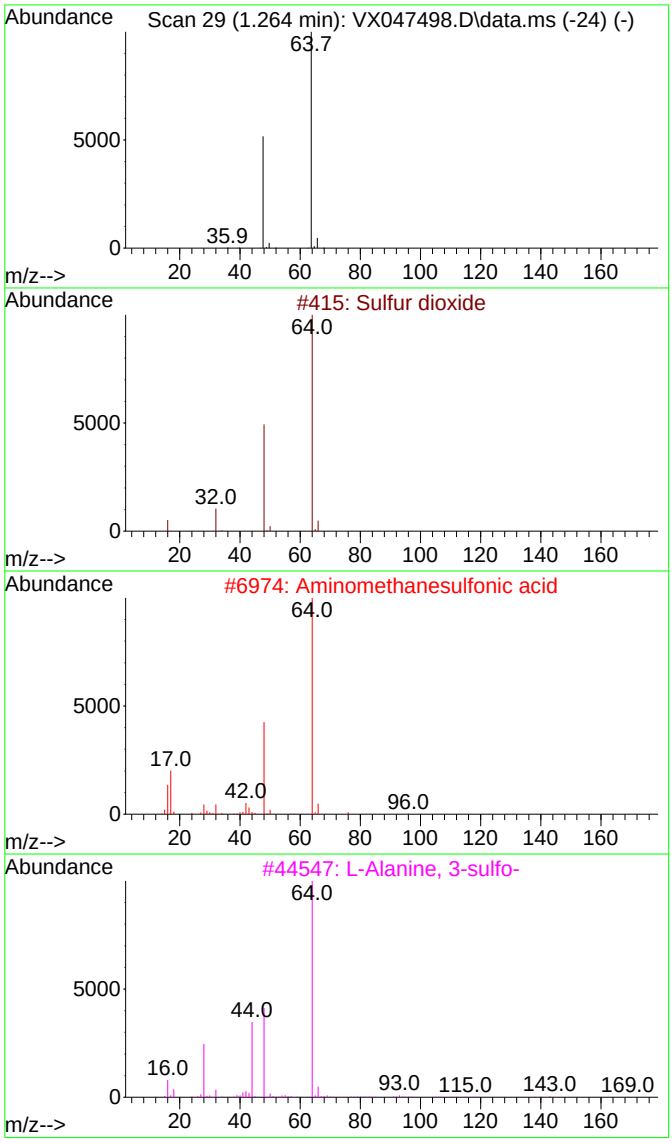
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

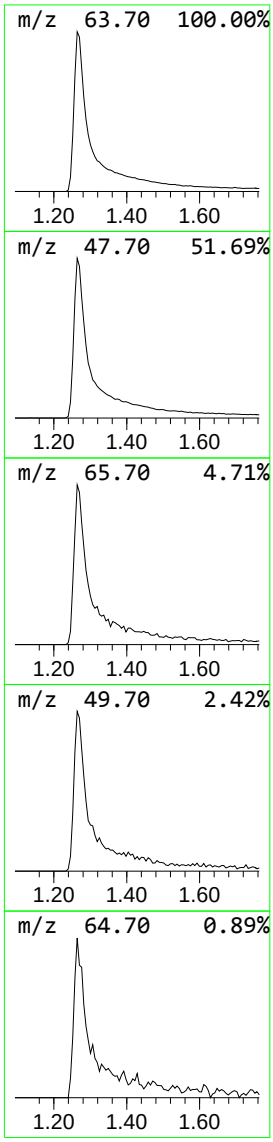
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	178.73 ug/l	2102980	Pentafluorobenzene	5.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047498.D
Acq On : 22 Aug 2025 15:22
Operator : JC/MD
Sample : Q2934-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.264	178.7	ug/l	2102980	1	5.568	588302	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Quant Time: Aug 25 01:29:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

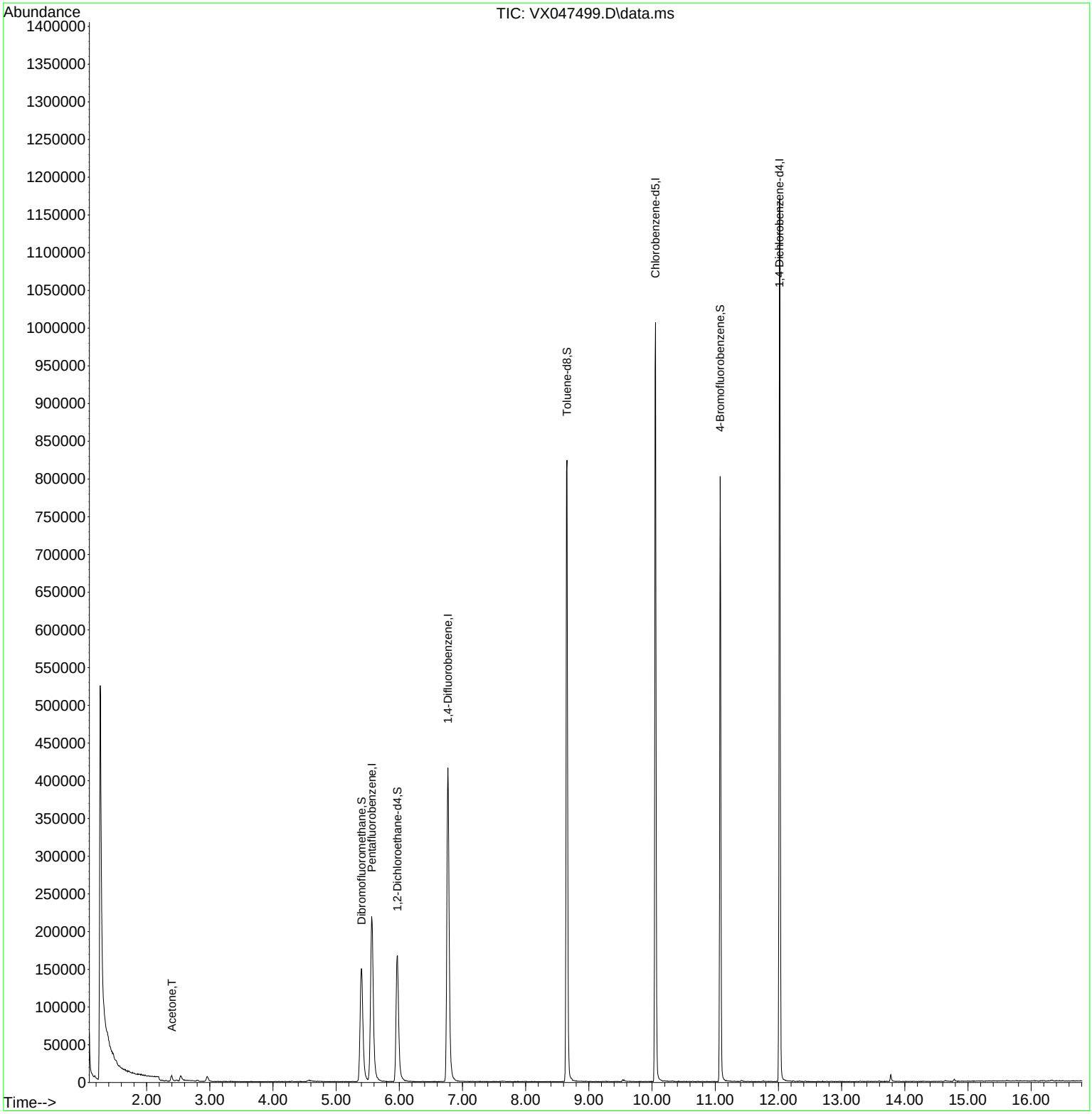
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	221184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	449540	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	236211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	178530	57.673	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.340%			
35) Dibromofluoromethane	5.403	113	146689	50.278	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.560%			
50) Toluene-d8	8.653	98	504540	48.383	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.760%			
62) 4-Bromofluorobenzene	11.079	95	213726	55.539	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.080%			
Target Compounds						Qvalue
16) Acetone	2.398	43	10669	9.169	ug/l	98

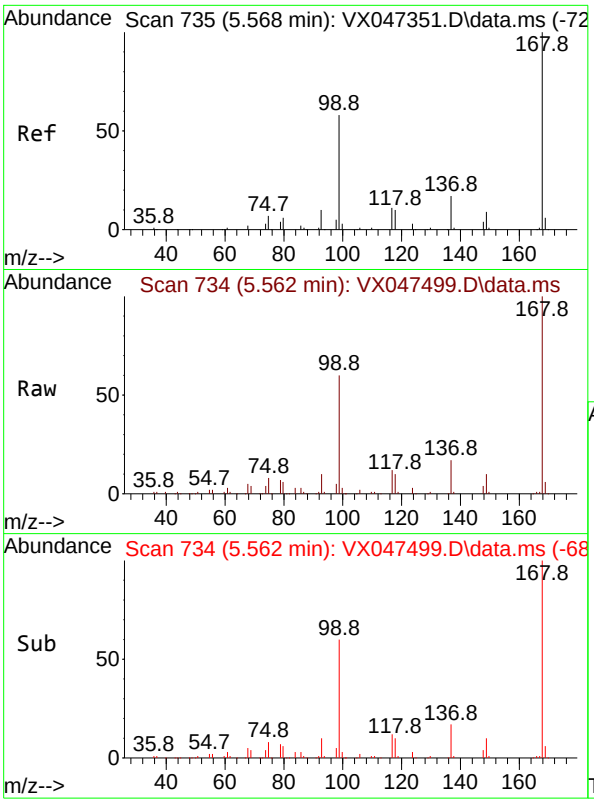
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Quant Time: Aug 25 01:29:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



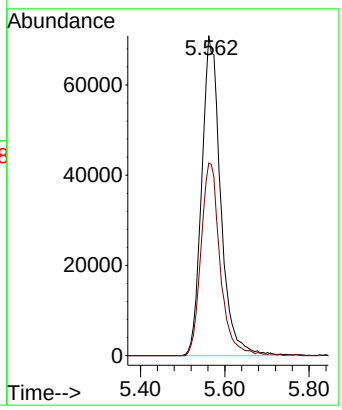


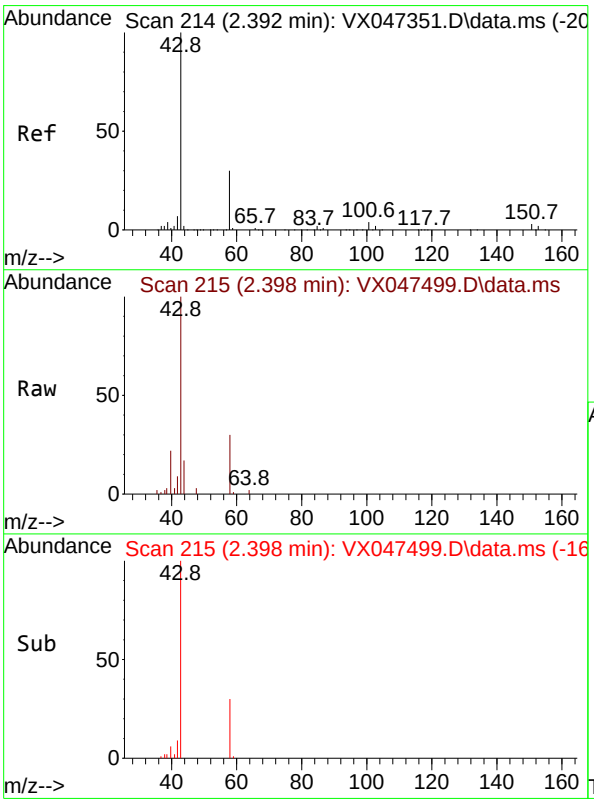
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Tgt Ion:168 Resp: 221184

Ion	Ratio	Lower	Upper
168	100		
99	60.2	47.9	71.9

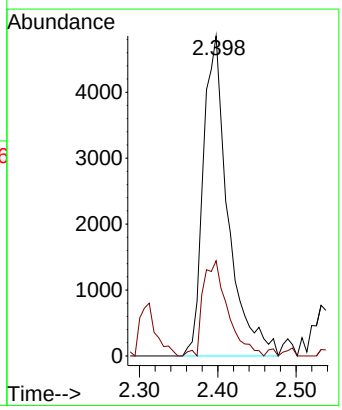


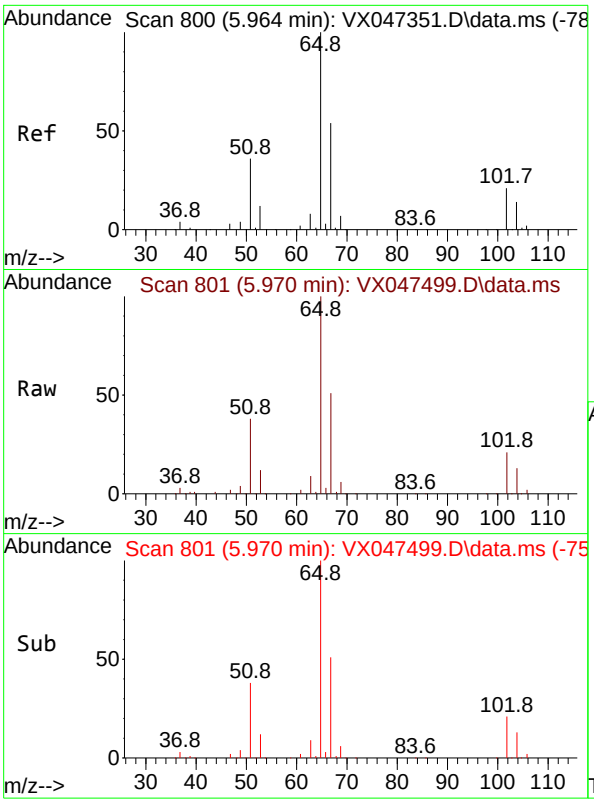


#16
Acetone
Concen: 9.169 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 43 Resp: 10669

Ion	Ratio	Lower	Upper
43	100		
58	29.8	24.8	37.2



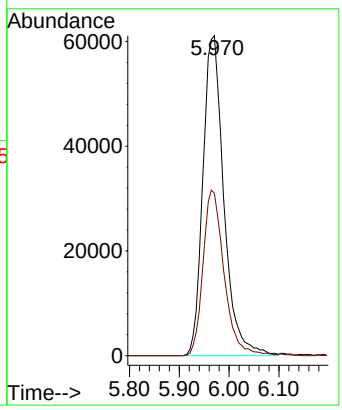


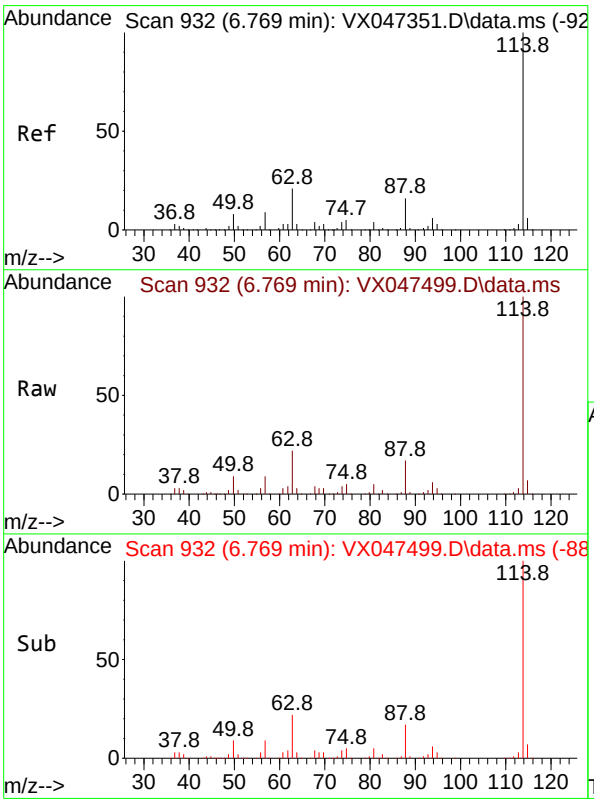
#33
1,2-Dichloroethane-d4
Concen: 57.673 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Tgt Ion: 65 Resp: 178530

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.0

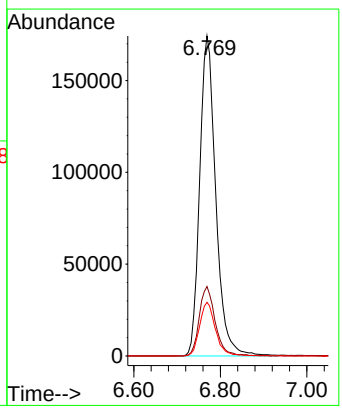


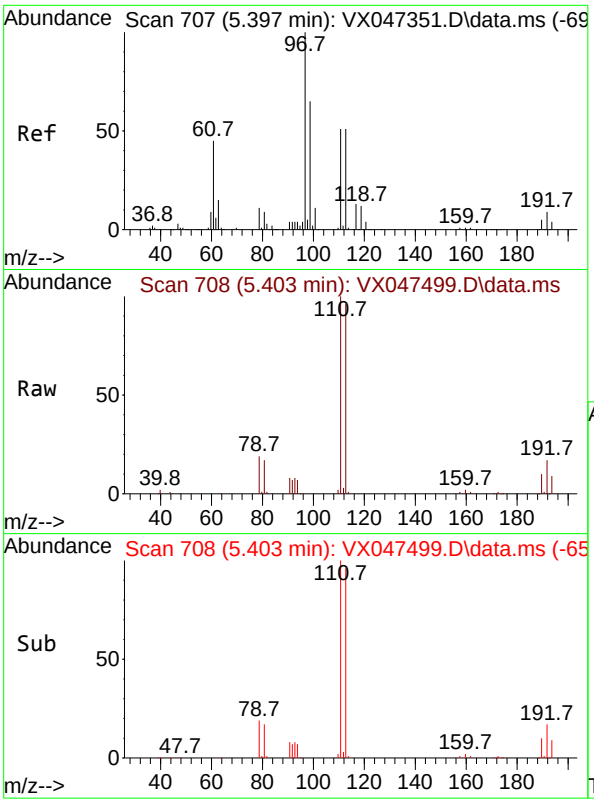


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion:114 Resp: 449540

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	16.8	0.0	33.0



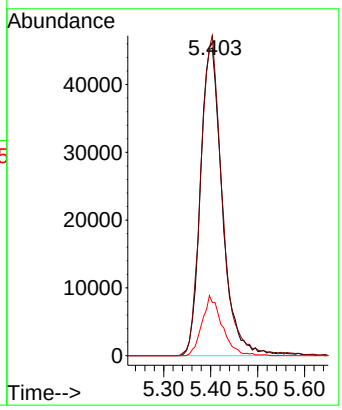


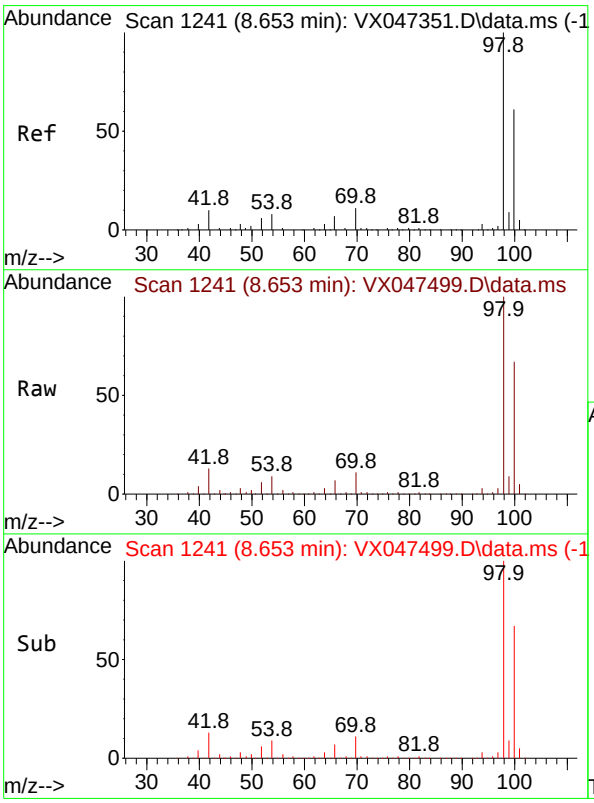
#35
Dibromofluoromethane
Concen: 50.278 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Tgt Ion:113 Resp: 146689

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.4	122.2
192	18.0	14.1	21.1

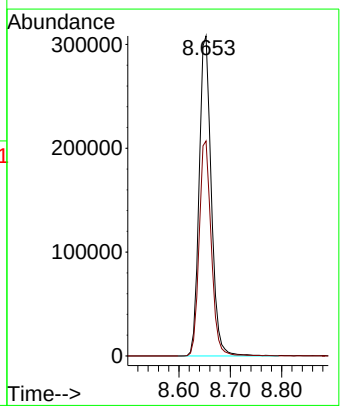


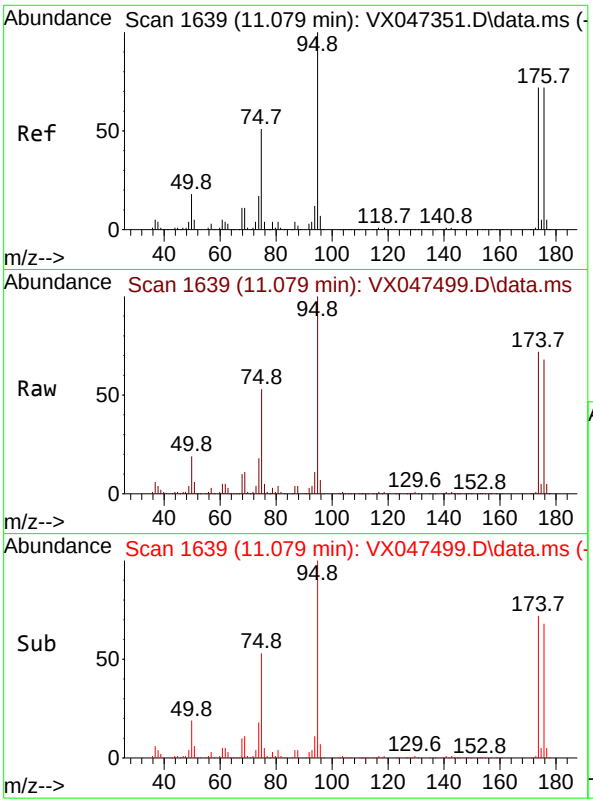


#50
Toluene-d8
Concen: 48.383 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion: 98 Resp: 504540

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.9	80.9



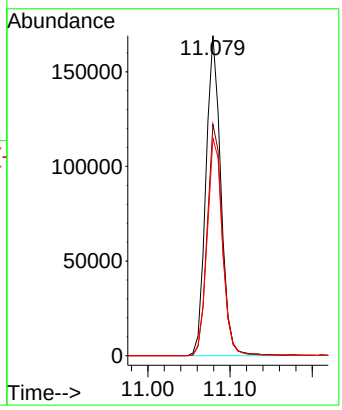


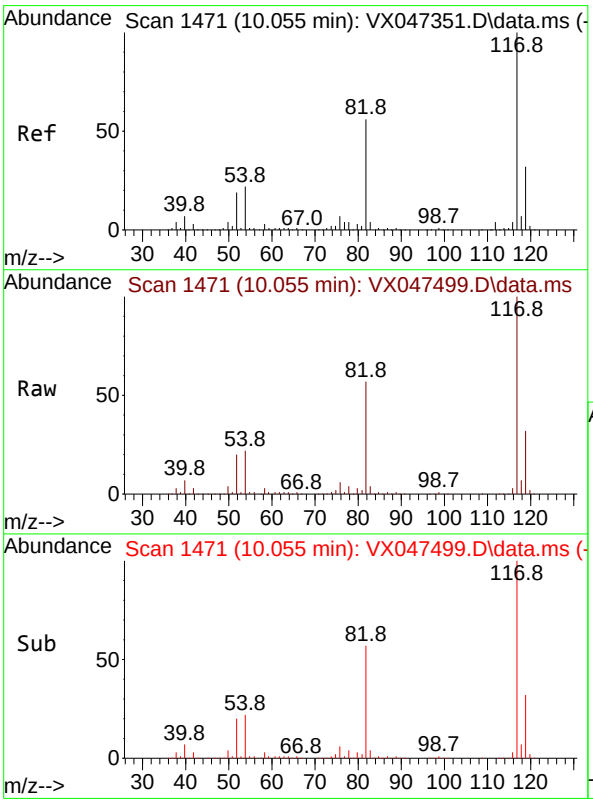
#62
4-Bromofluorobenzene
Concen: 55.539 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Tgt Ion: 95 Resp: 213726

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	148.0
176	69.5	0.0	145.4

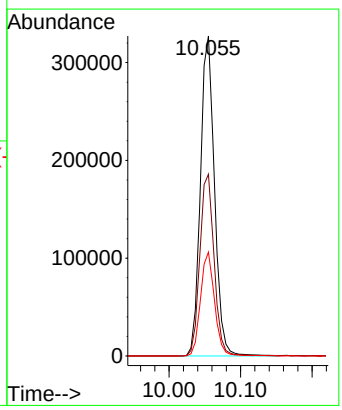


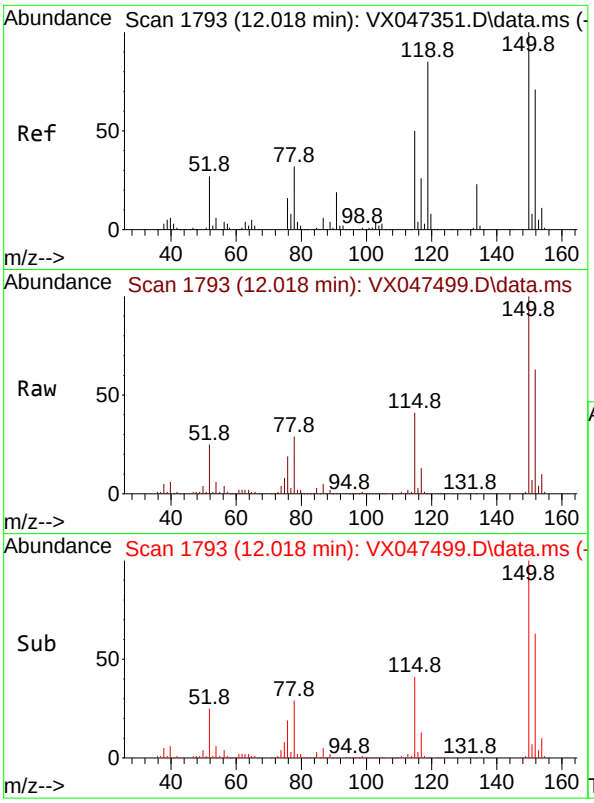


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Tgt Ion:117 Resp: 448300

Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.0	67.4
119	32.5	25.8	38.8



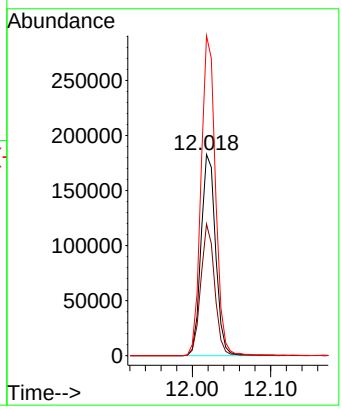


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047499.D
Acq: 22 Aug 2025 15:43

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Tgt Ion:152 Resp: 236211

Ion	Ratio	Lower	Upper
152	100		
115	62.5	44.6	133.8
150	157.6	0.0	349.8



Sample Results: **VX047499.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047499.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	61	rBV	521944	1628491	100.00%	16.939%
2	2.398	207	215	223	rBV	7908	16997	1.04%	0.177%
3	5.397	694	707	724	rBV3	149565	479529	29.45%	4.988%
4	5.562	724	734	756	rVB	217718	670646	41.18%	6.976%
5	5.970	790	801	820	rBV	167234	491490	30.18%	5.112%
6	6.769	923	932	953	rBV	415680	1065255	65.41%	11.081%
7	8.653	1233	1241	1251	rBV	823592	1361012	83.58%	14.157%
8	10.055	1465	1471	1490	rBV	1006468	1406705	86.38%	14.632%
9	11.079	1634	1639	1653	rBV	802146	1022408	62.78%	10.635%
10	12.018	1788	1793	1803	rBV	1170116	1471118	90.34%	15.302%

Sum of corrected areas: 9613651

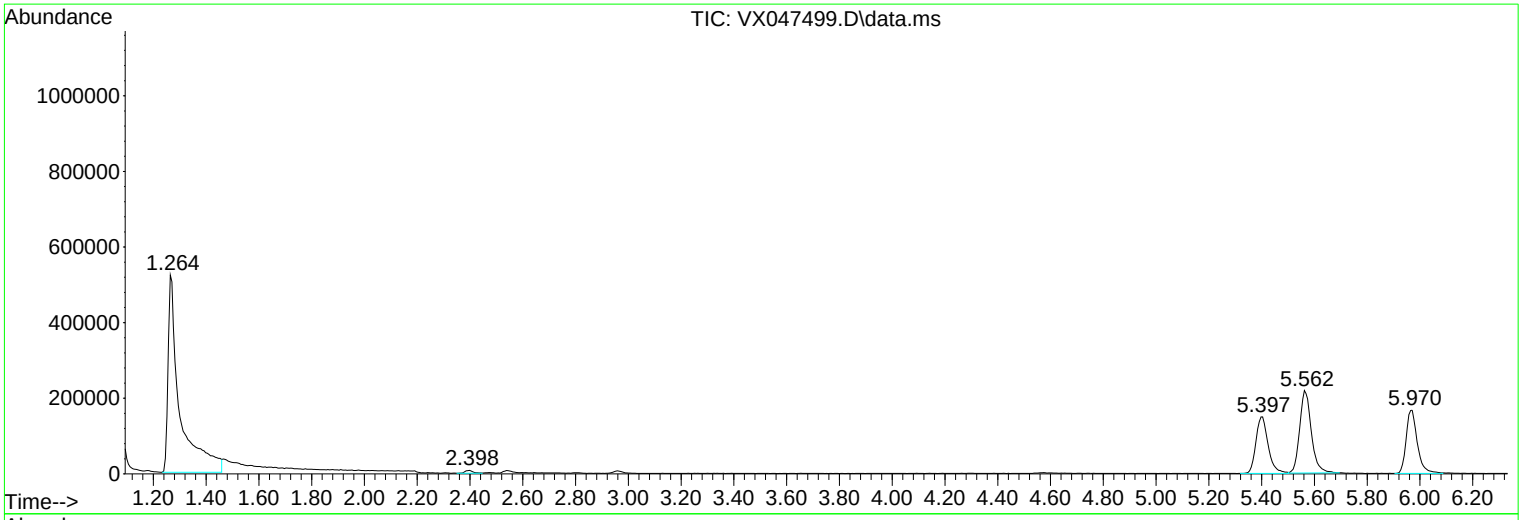
Sample Results: **VX047499.D**

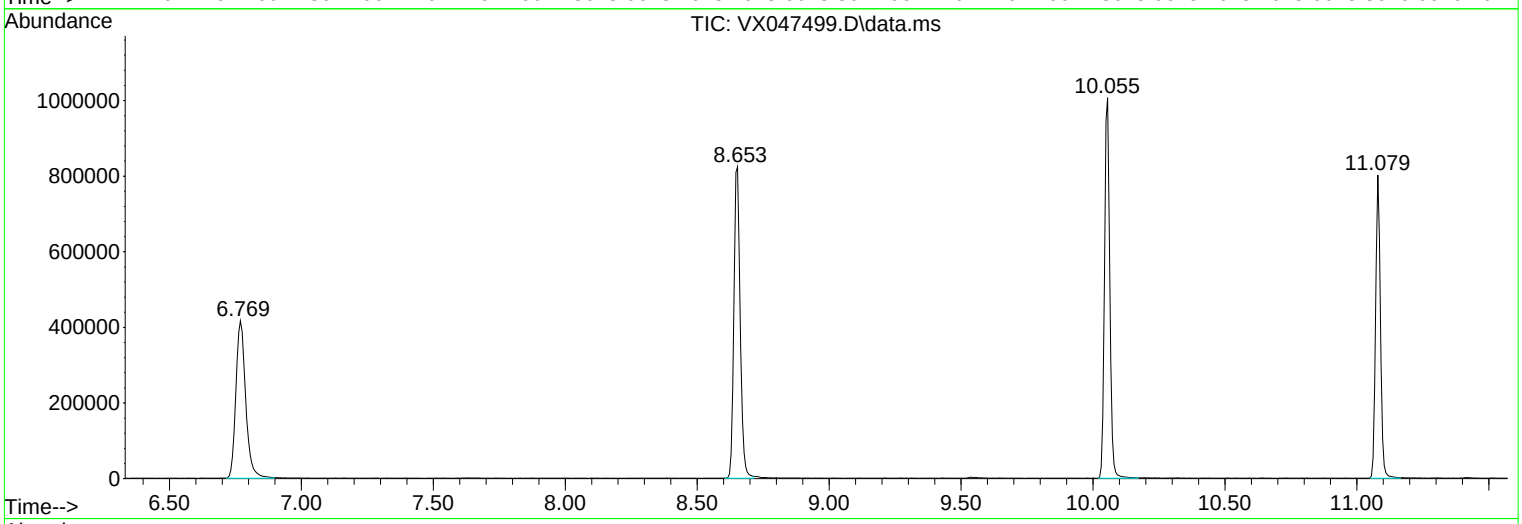
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

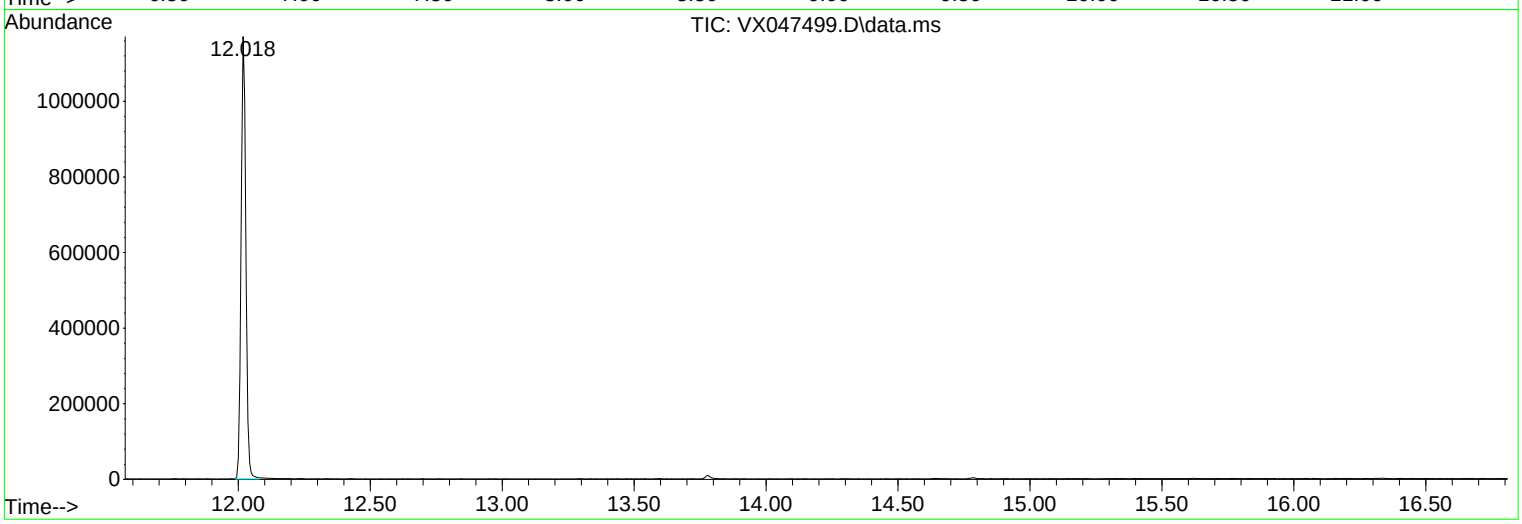
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

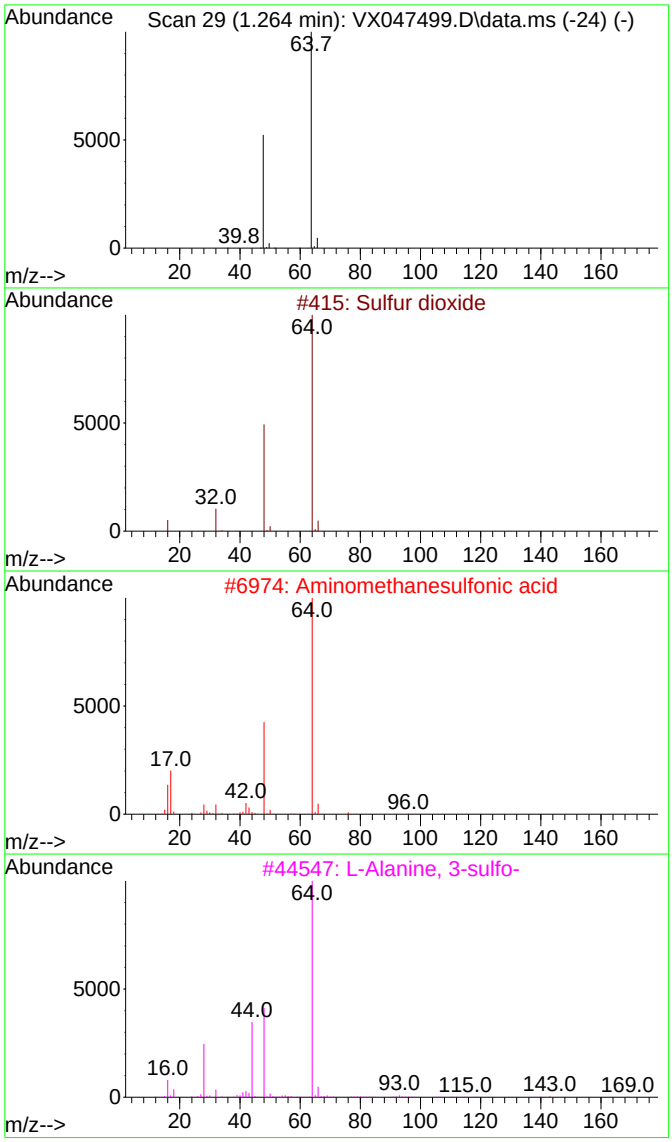
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

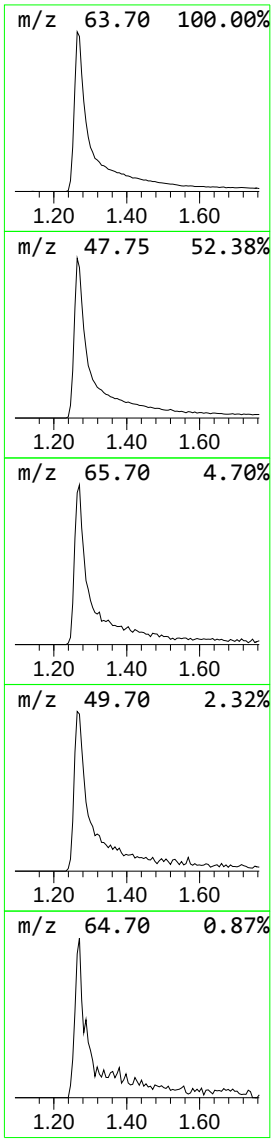
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	121.41 ug/l	1628490	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047499.D
Acq On : 22 Aug 2025 15:43
Operator : JC/MD
Sample : Q2934-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.264	121.4	ug/l	1628490	1	5.562	670646	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Quant Time: Aug 25 01:30:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

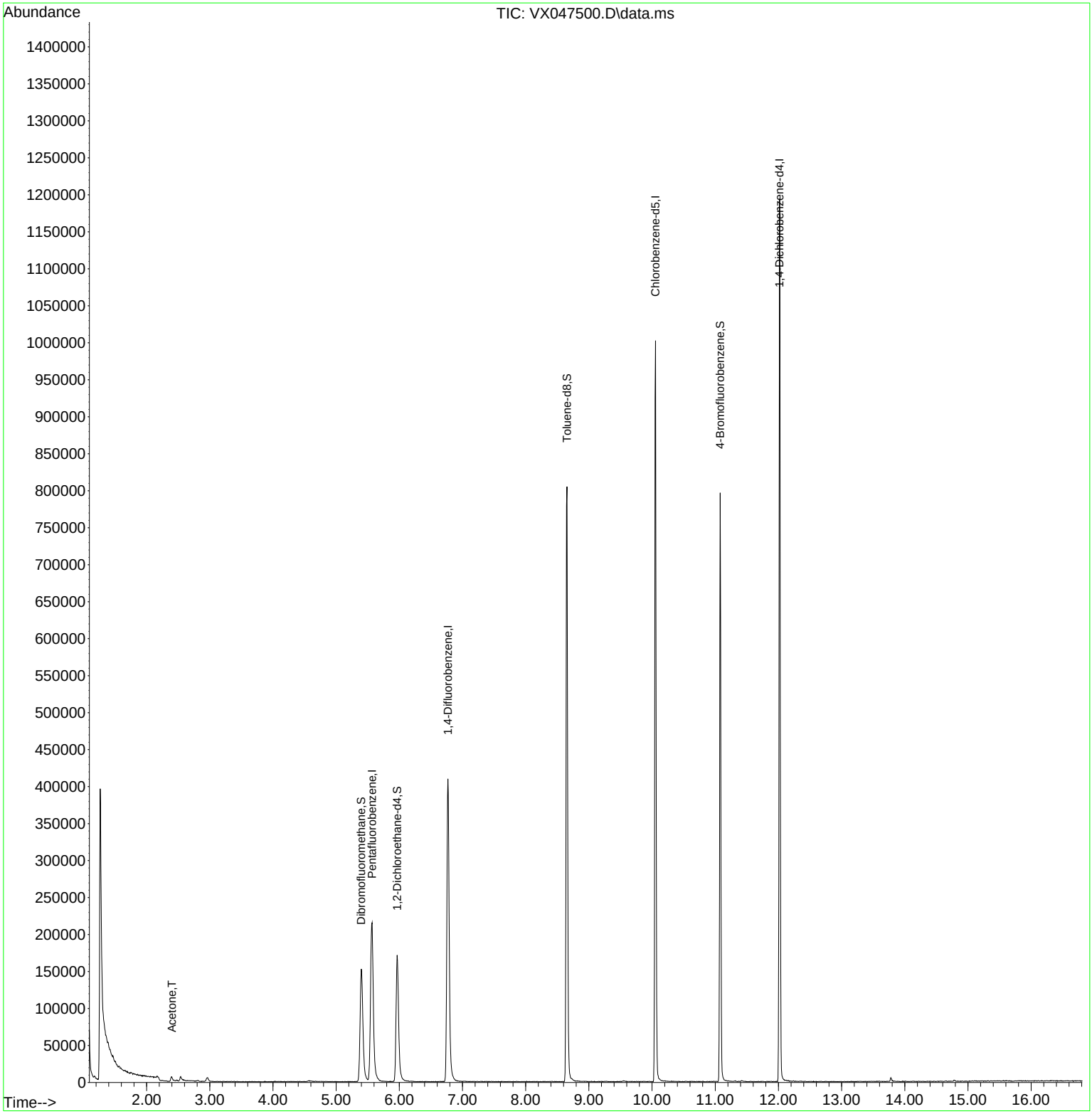
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	218472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	445802	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	449549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	239933	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176045	57.577	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.160%			
35) Dibromofluoromethane	5.397	113	145438	50.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.540%			
50) Toluene-d8	8.653	98	502930	48.633	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.260%			
62) 4-Bromofluorobenzene	11.079	95	212526	55.691	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.380%			
Target Compounds						Qvalue
16) Acetone	2.398	43	8731	7.597	ug/l	98

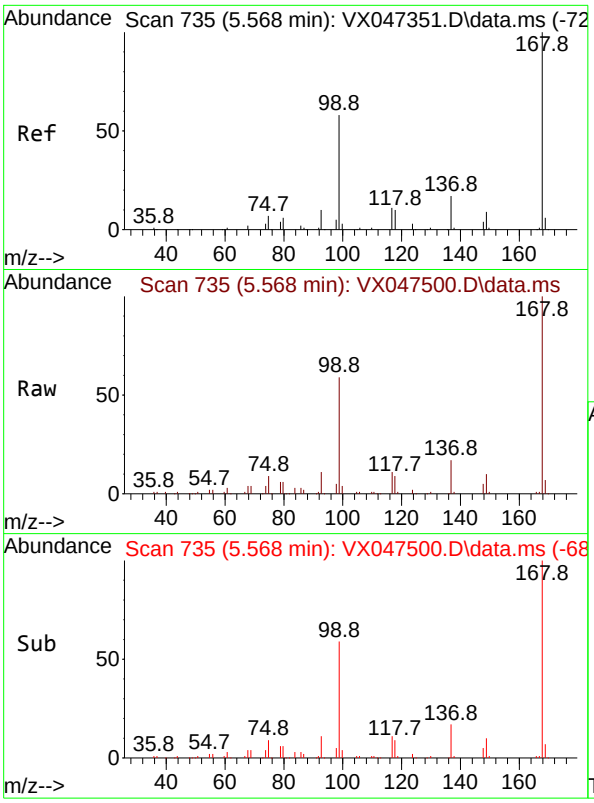
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Quant Time: Aug 25 01:30:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



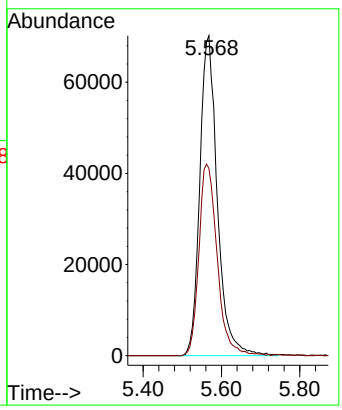


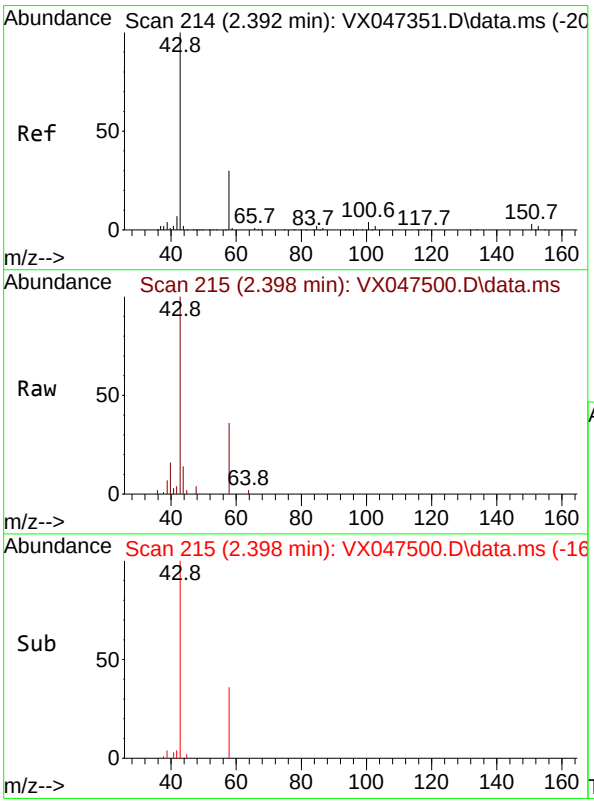
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion:168 Resp: 218472

Ion	Ratio	Lower	Upper
168	100		
99	58.5	47.9	71.9

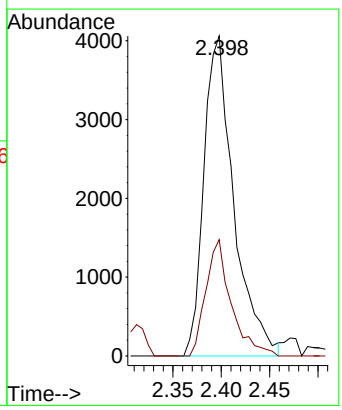


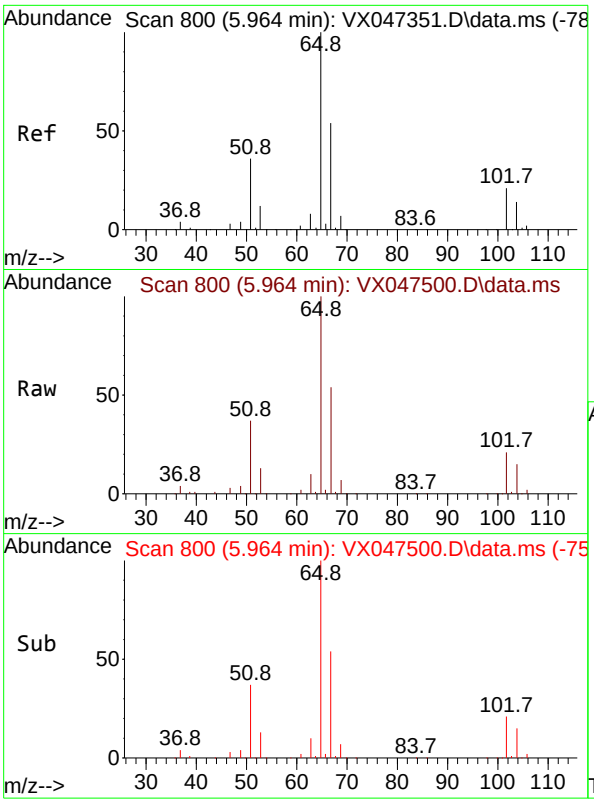


#16
Acetone
Concen: 7.597 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion: 43 Resp: 8731

Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.8	37.2



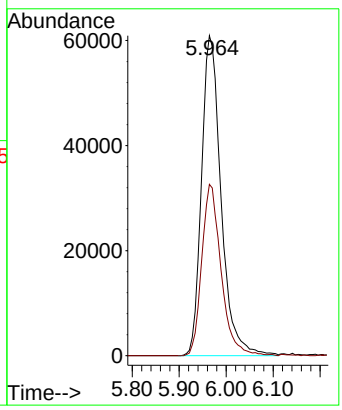


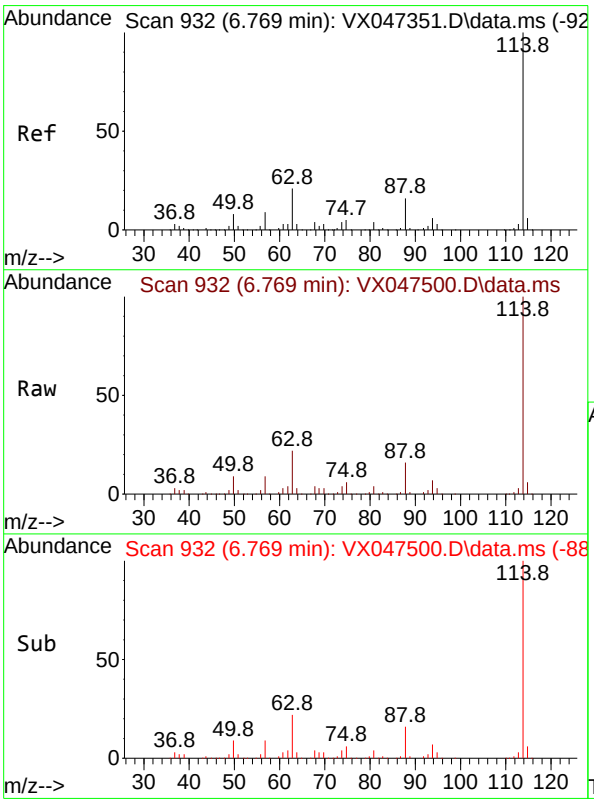
#33
1,2-Dichloroethane-d4
Concen: 57.577 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion: 65 Resp: 176045

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.0

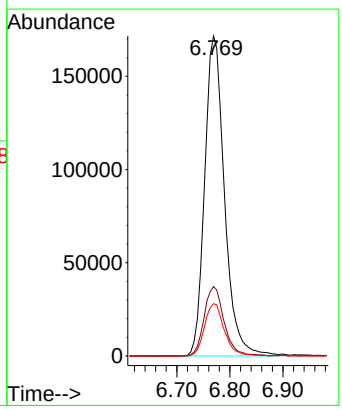


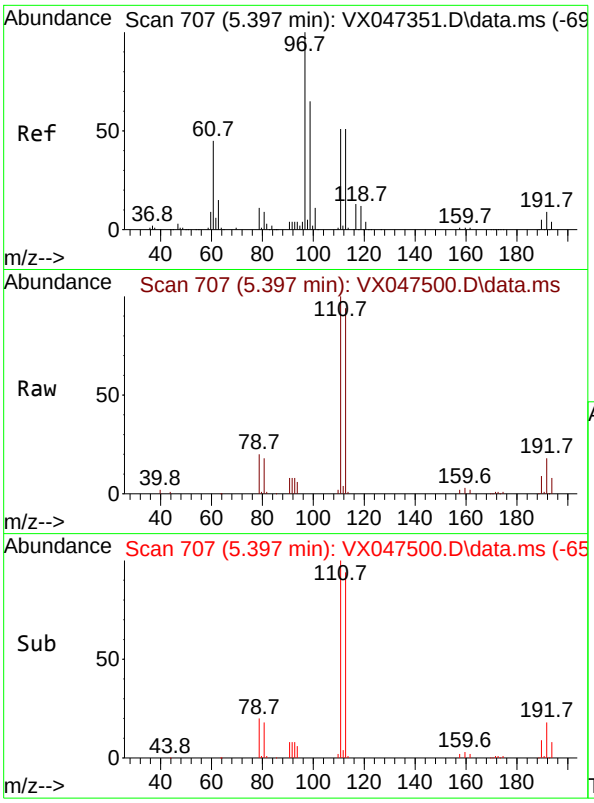


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion:114 Resp: 445802

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.4
88	16.4	0.0	33.0



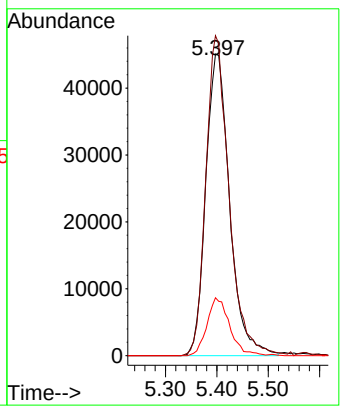


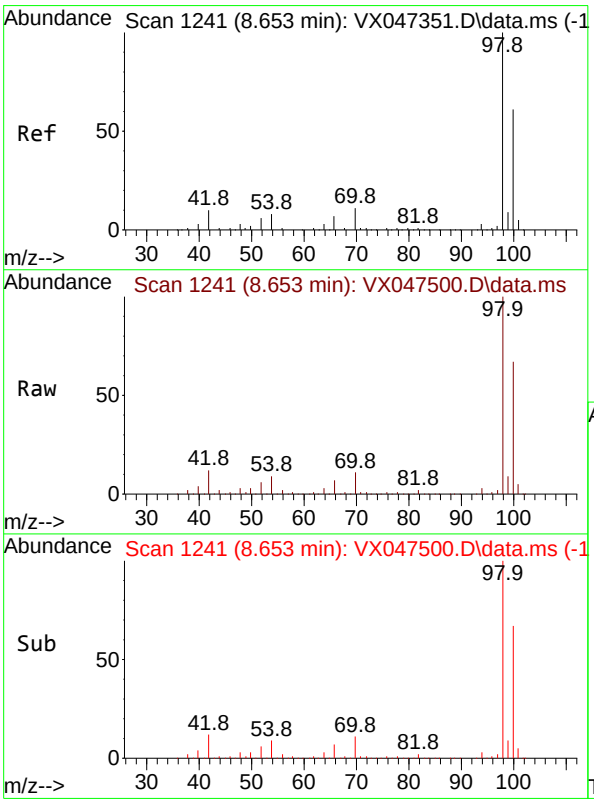
#35
Dibromofluoromethane
Concen: 50.267 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion:113 Resp: 145438

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.2
192	18.2	14.1	21.1

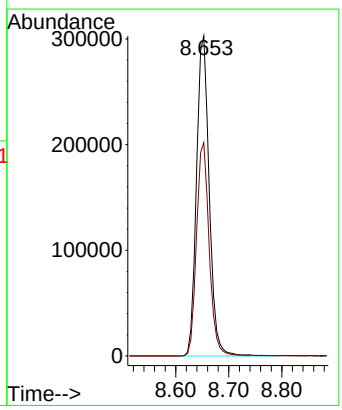


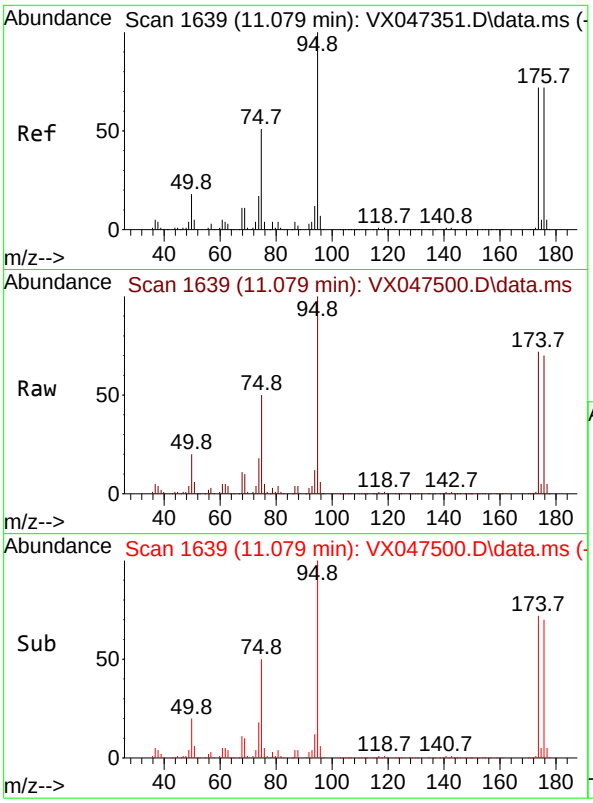


#50
Toluene-d8
Concen: 48.633 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion: 98 Resp: 502930

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.9	80.9



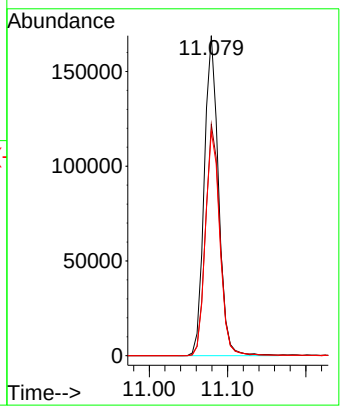


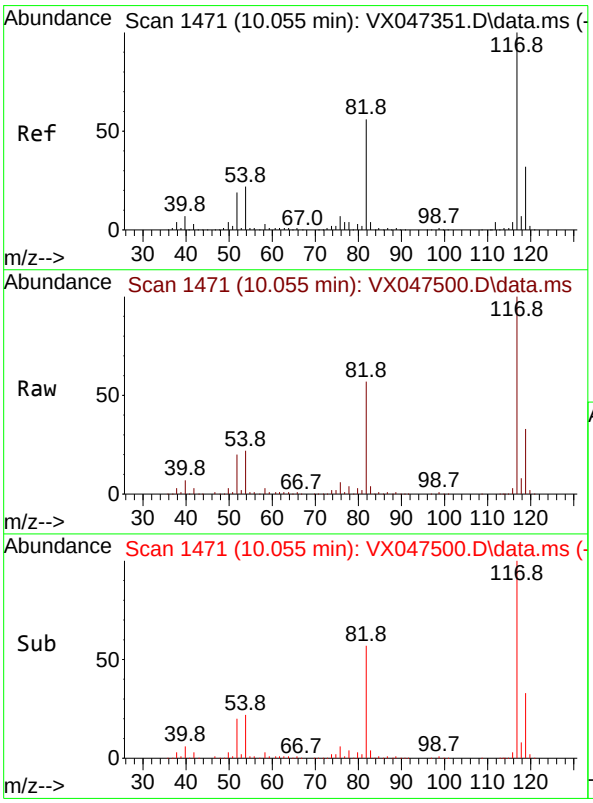
#62
4-Bromofluorobenzene
Concen: 55.691 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion: 95 Resp: 212526

Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.0
176	71.3	0.0	145.4

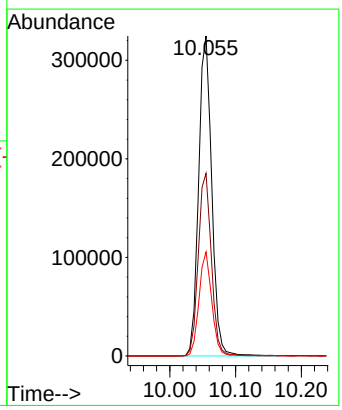


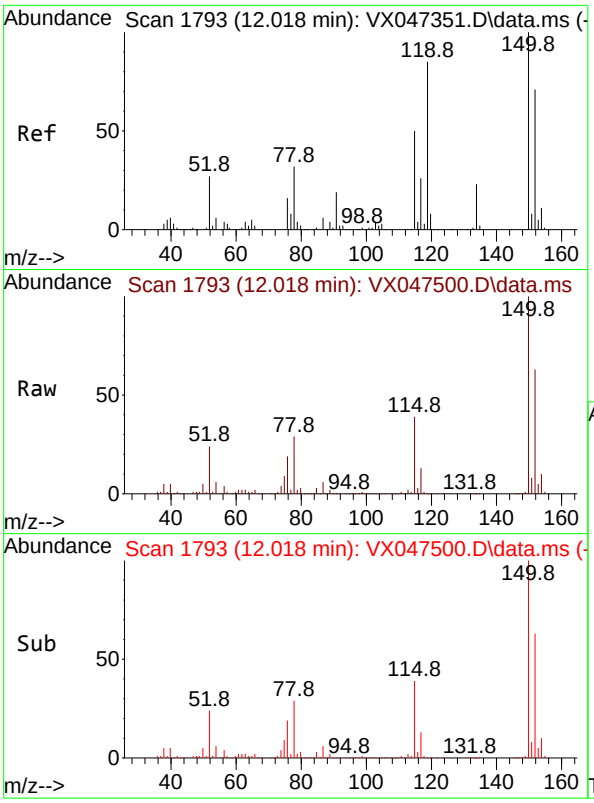


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Tgt Ion:117 Resp: 449549

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.0	67.4
119	32.5	25.8	38.8



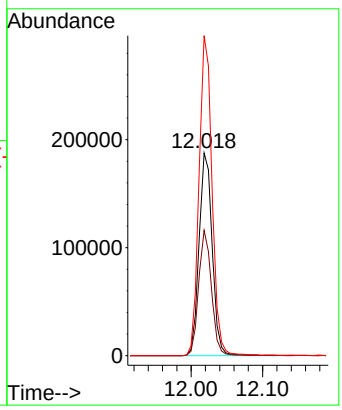


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047500.D
Acq: 22 Aug 2025 16:04

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Tgt Ion:152 Resp: 239933

Ion	Ratio	Lower	Upper
152	100		
115	60.1	44.6	133.8
150	156.1	0.0	349.8



Sample Results: **VX047500.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047500.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	48	rBV	393056	1090289	73.51%	12.068%
2	5.397	695	707	724	rBV4	152266	478097	32.24%	5.292%
3	5.568	724	735	755	rVB	213834	671036	45.24%	7.427%
4	5.964	791	800	824	rBV	170572	482232	32.51%	5.338%
5	6.769	922	932	952	rBV	409425	1064124	71.75%	11.778%
6	8.653	1234	1241	1252	rBV	804160	1349965	91.02%	14.942%
7	10.055	1465	1471	1489	rBV	1001709	1404424	94.69%	15.545%
8	11.079	1634	1639	1650	rBV	795471	1011225	68.18%	11.193%
9	12.018	1788	1793	1806	rBV	1193311	1483130	100.00%	16.416%

Sum of corrected areas: 9034522

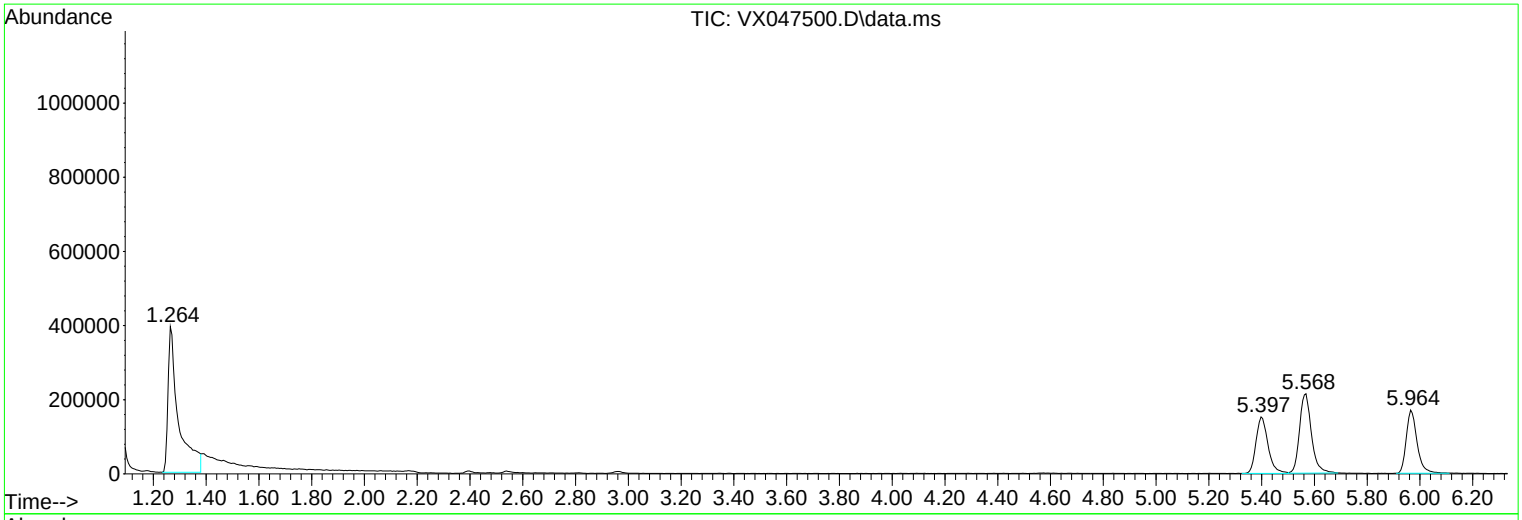
Sample Results: **VX047500.D**

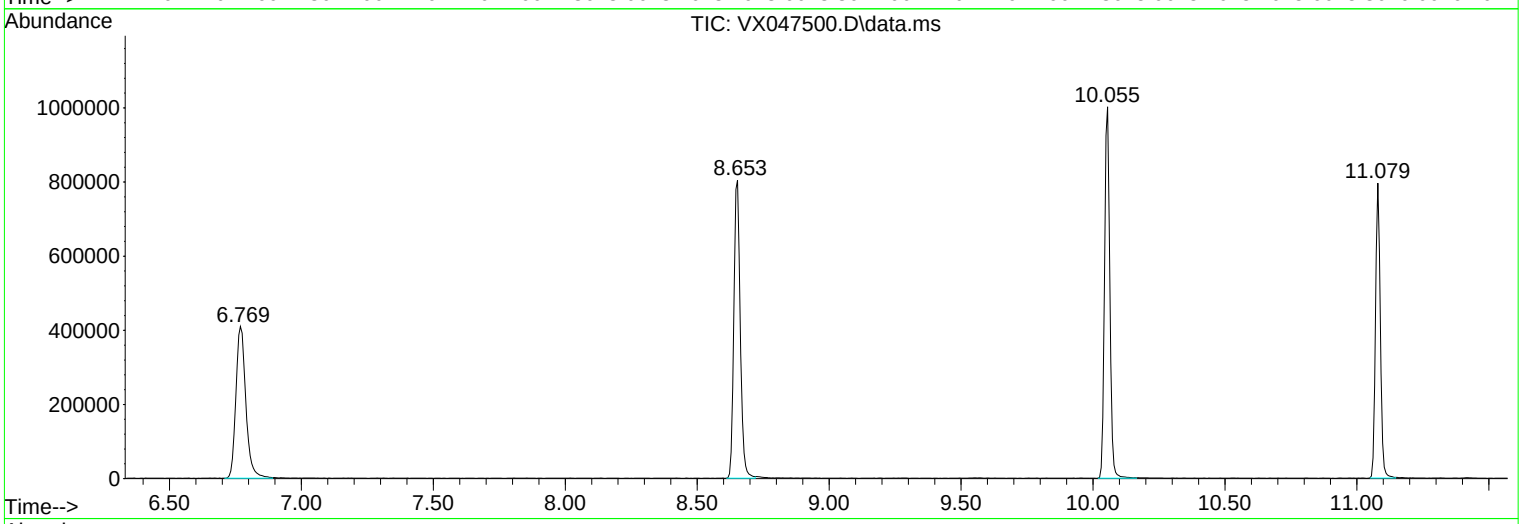
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

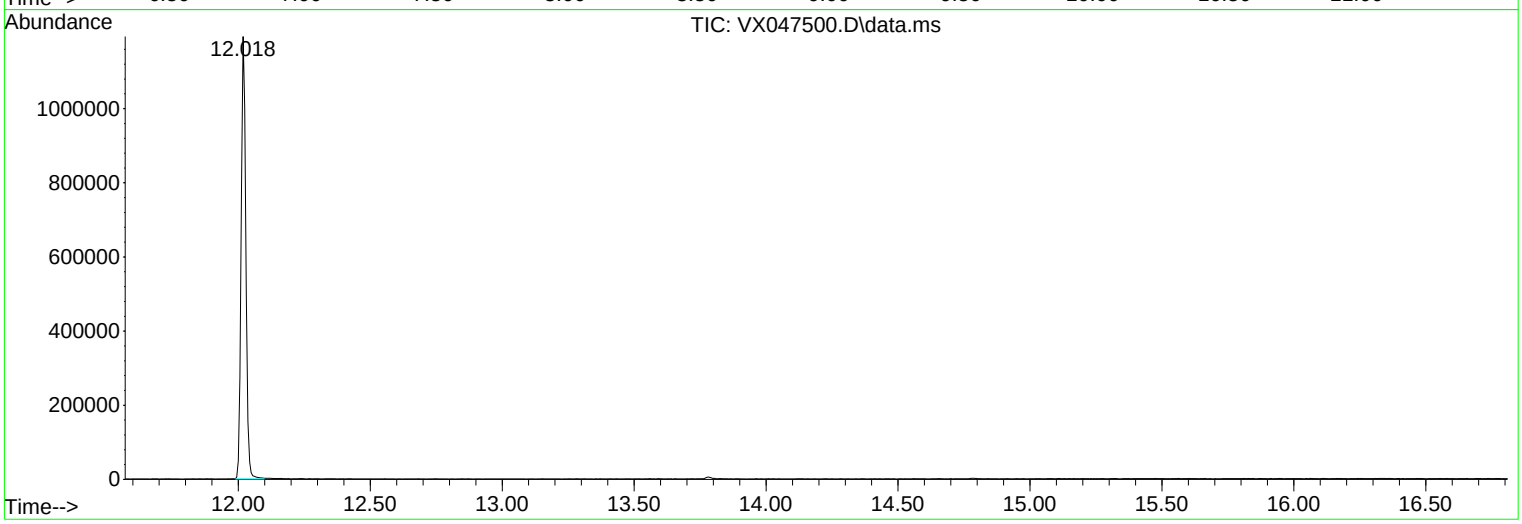
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

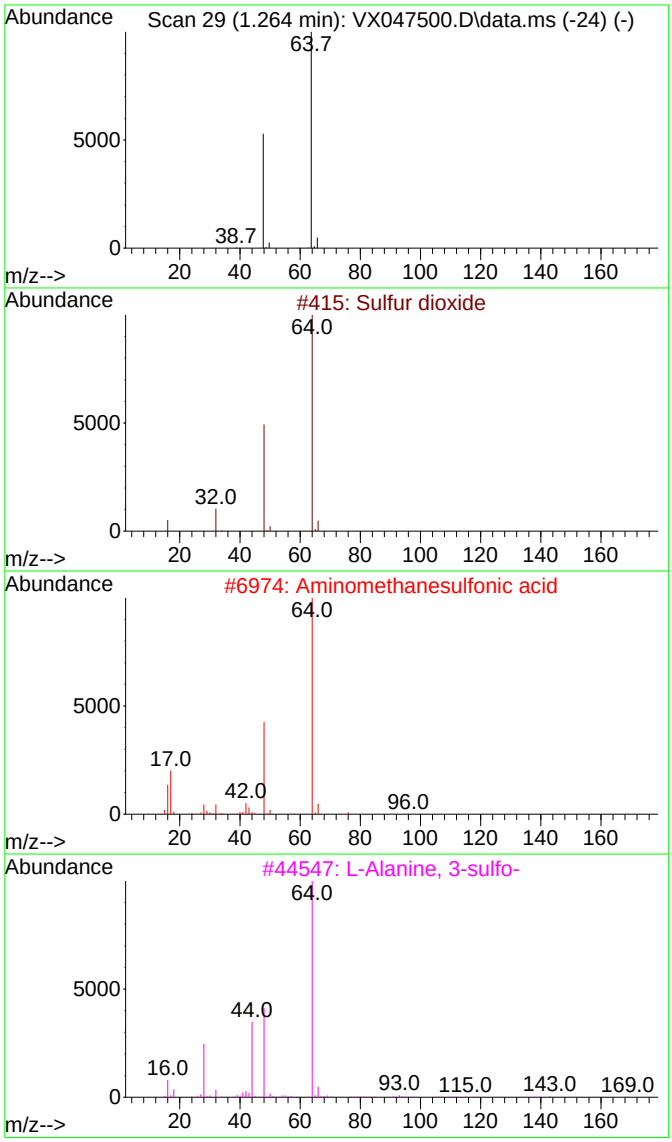
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

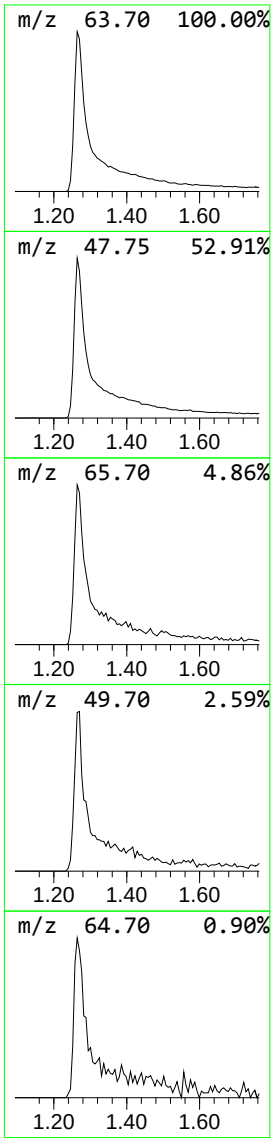
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	81.24 ug/l	1090290	Pentafluorobenzene	5.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047500.D
Acq On : 22 Aug 2025 16:04
Operator : JC/MD
Sample : Q2934-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW03

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.264	81.2	ug/l	1090290	1	5.568	671036	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Quant Time: Aug 25 01:30:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	210244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	427078	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	435148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	223730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176033	59.826	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.660%#			
35) Dibromofluoromethane	5.404	113	140331	50.629	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.260%			
50) Toluene-d8	8.647	98	479623	48.412	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.820%			
62) 4-Bromofluorobenzene	11.079	95	206045	56.360	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.720%			
Target Compounds						Qvalue
16) Acetone	2.404	43	4467	4.039	ug/l	89

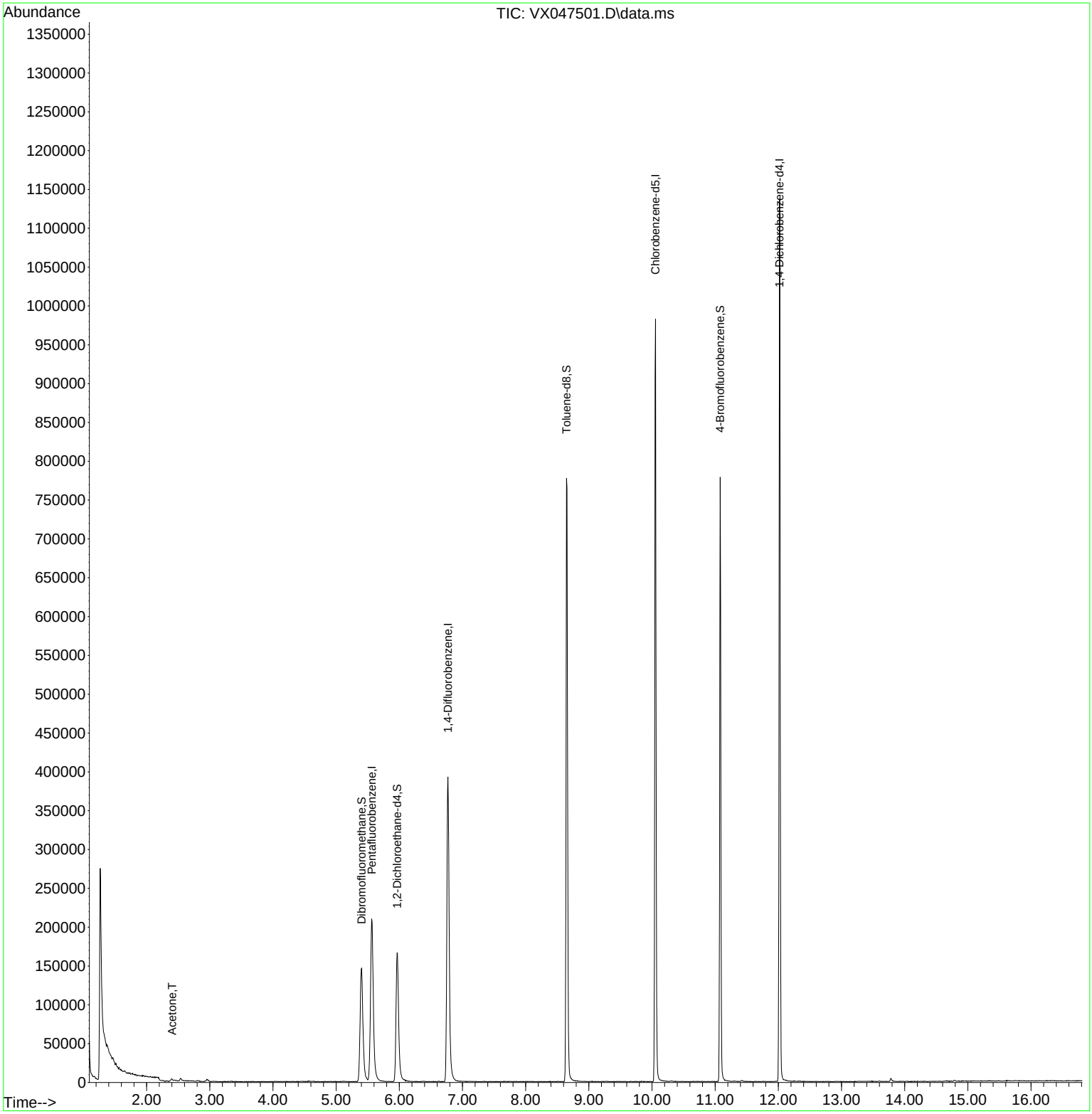
(#) = qualifier out of range (m) = manual integration (+) = signals summed

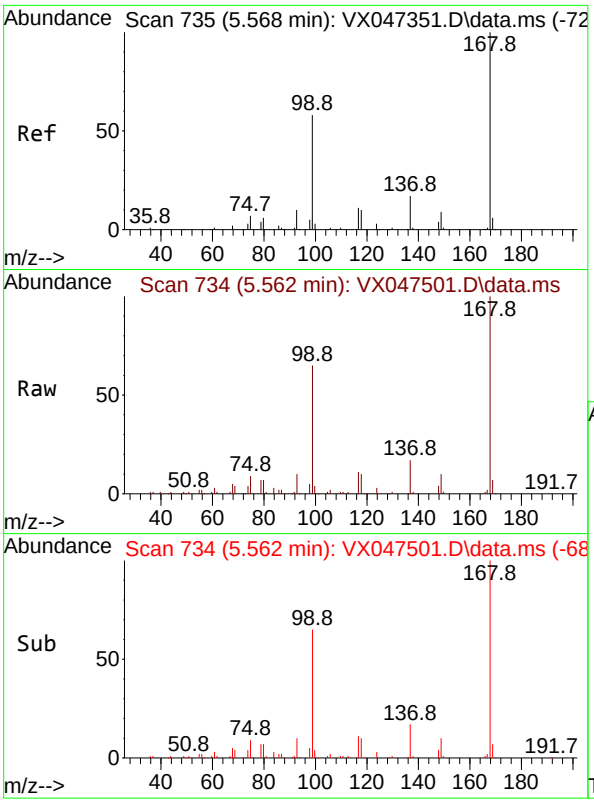
Sample Results: **VX047501.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Quant Time: Aug 25 01:30:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



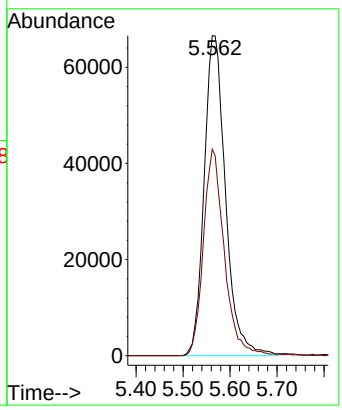


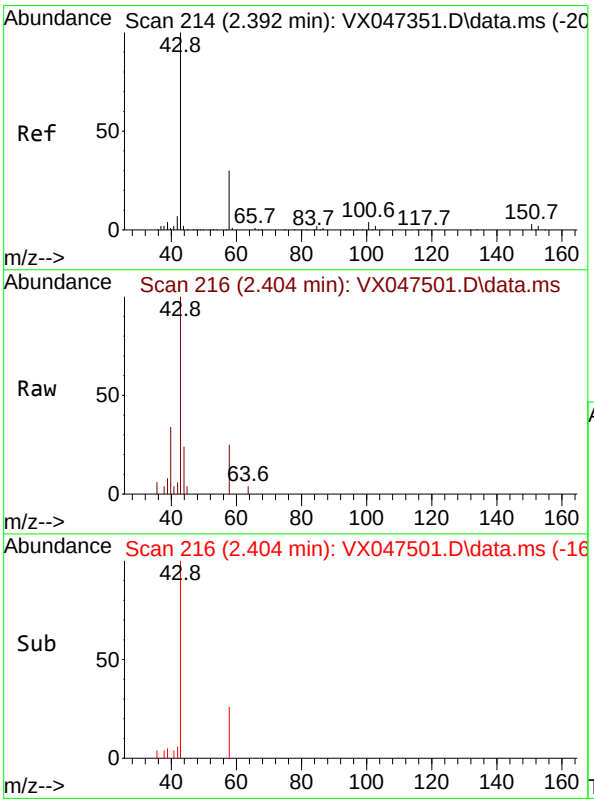
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion:168 Resp: 210244

Ion	Ratio	Lower	Upper
168	100		
99	64.5	47.9	71.9

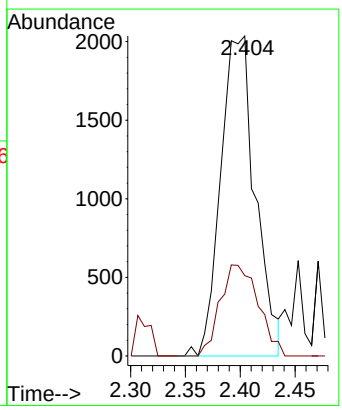


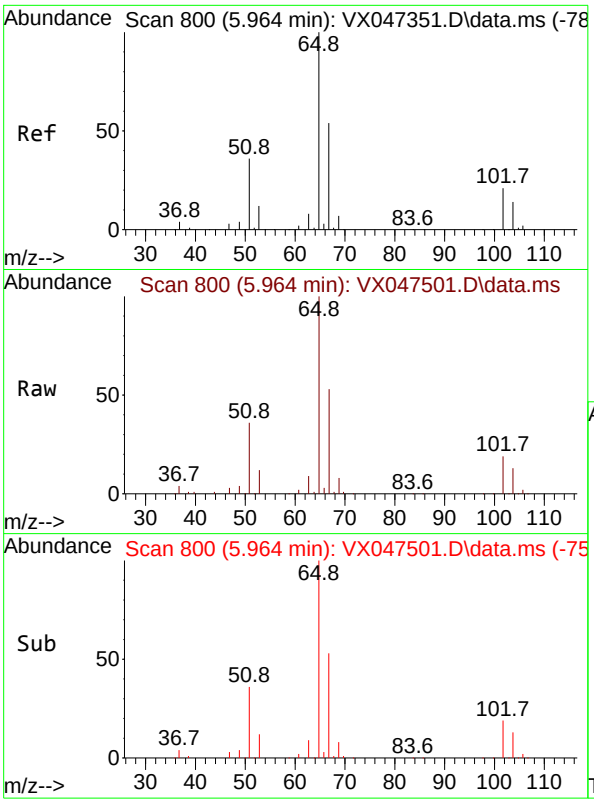


#16
Acetone
Concen: 4.039 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.012 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion: 43 Resp: 4467

Ion	Ratio	Lower	Upper
43	100		
58	25.1	24.8	37.2



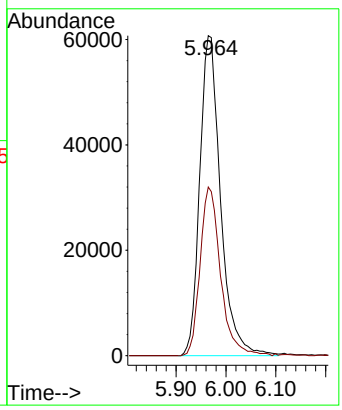


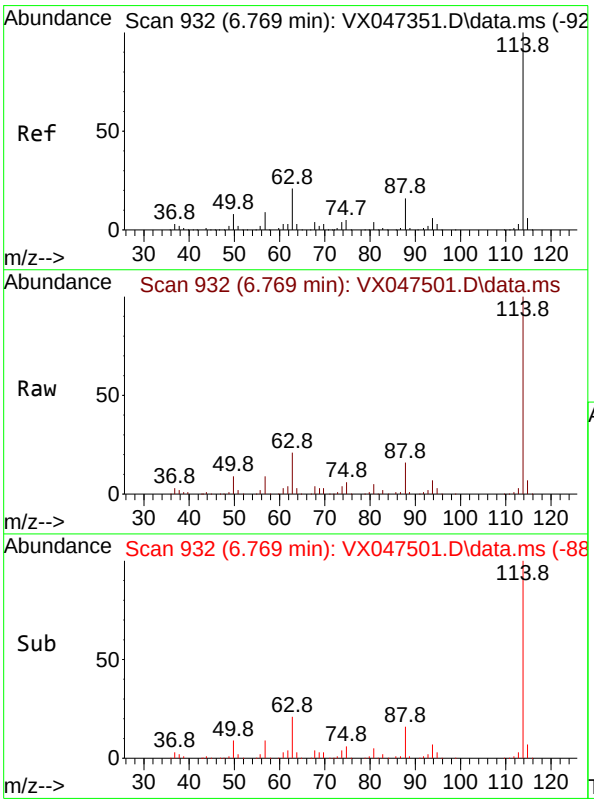
#33
1,2-Dichloroethane-d4
Concen: 59.826 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion: 65 Resp: 176033

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.0

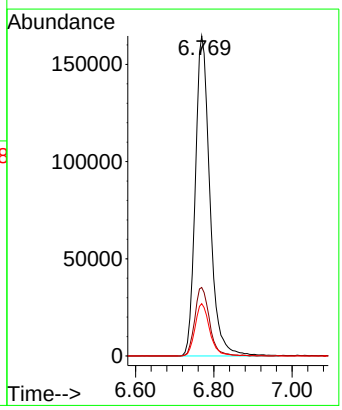


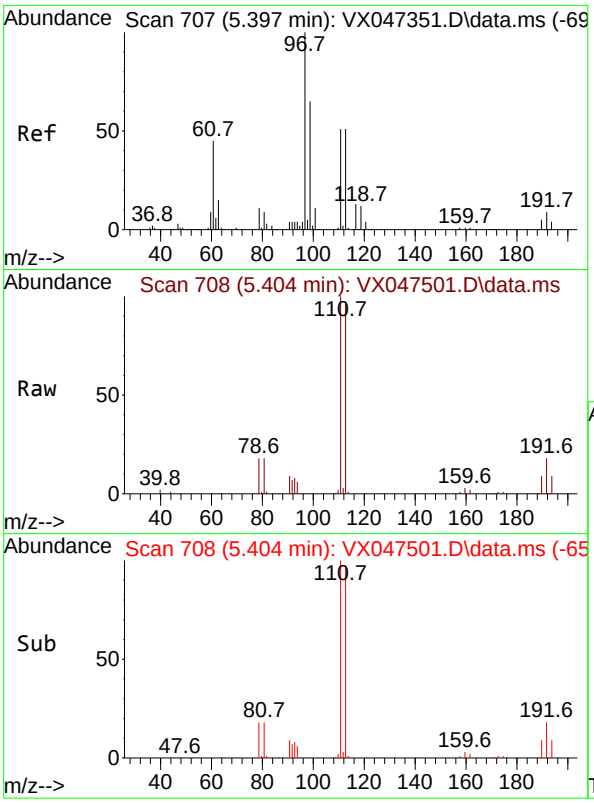


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion:114 Resp: 427078

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	42.4
88	16.3	0.0	33.0



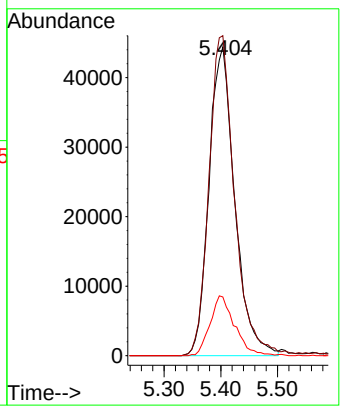


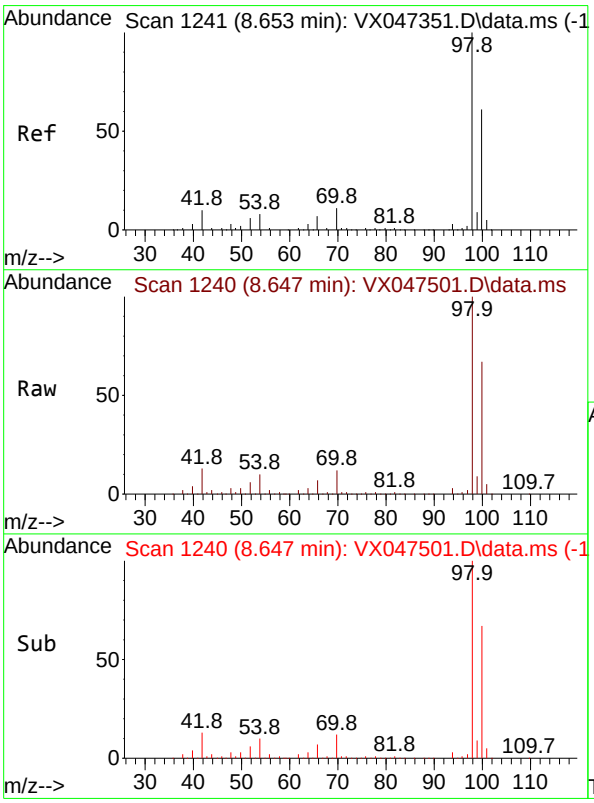
#35
Dibromofluoromethane
Concen: 50.629 ug/l
RT: 5.404 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion:113 Resp: 140331

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.2
192	18.4	14.1	21.1

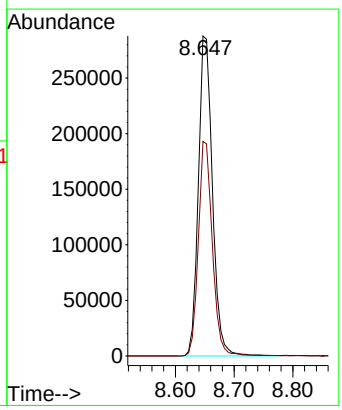


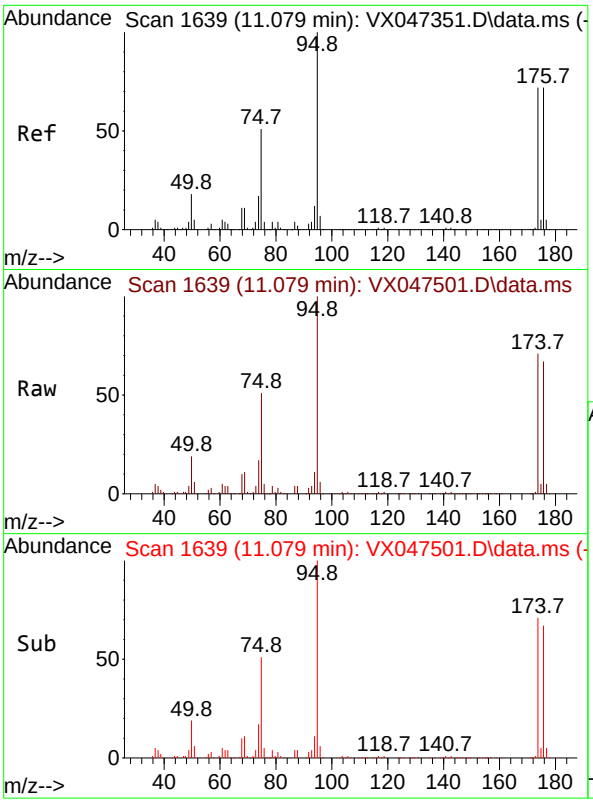


#50
Toluene-d8
Concen: 48.412 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion: 98 Resp: 479623

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.9	80.9



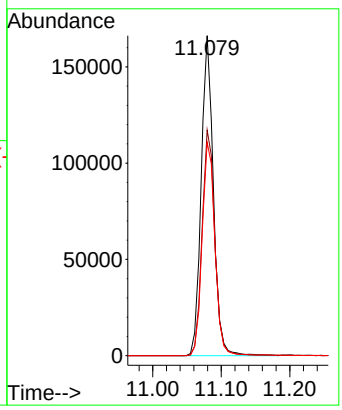


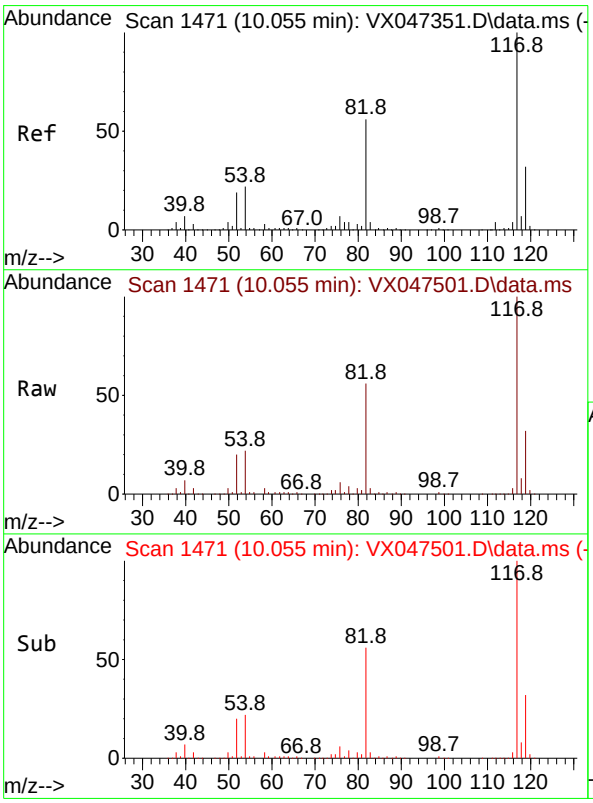
#62
4-Bromofluorobenzene
Concen: 56.360 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion: 95 Resp: 206045

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	148.0
176	69.8	0.0	145.4

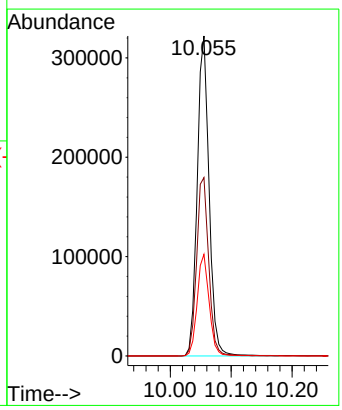


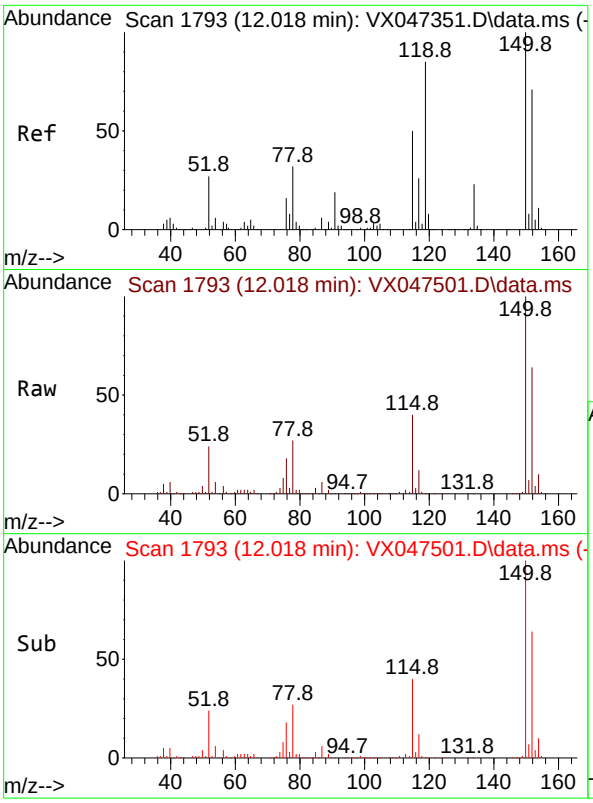


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Tgt Ion:117 Resp: 435148

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.0	67.4
119	31.7	25.8	38.8



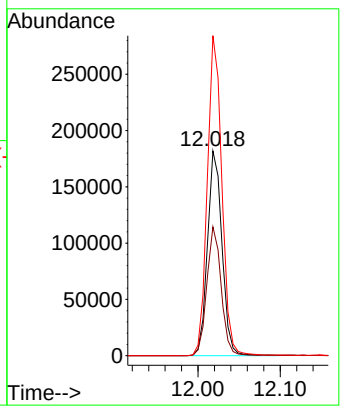


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047501.D
Acq: 22 Aug 2025 16:25

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Tgt Ion:152 Resp: 223730

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.6	133.8
150	156.2	0.0	349.8



Sample Results: **VX047501.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047501.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	45	rBV	271784	741404	53.40%	8.855%
2	5.404	696	708	724	rBV3	145905	464695	33.47%	5.550%
3	5.562	724	734	758	rVB	208946	652395	46.99%	7.792%
4	5.964	788	800	818	rBV	166084	482503	34.75%	5.763%
5	6.769	922	932	953	rBV	392568	1016262	73.20%	12.138%
6	8.647	1234	1240	1257	rBV	776459	1297962	93.49%	15.502%
7	10.055	1465	1471	1484	rBV	981961	1351256	97.33%	16.139%
8	11.079	1634	1639	1651	rBV	778040	977769	70.43%	11.678%
9	12.018	1788	1793	1803	rBV	1136271	1388379	100.00%	16.582%

Sum of corrected areas: 8372625

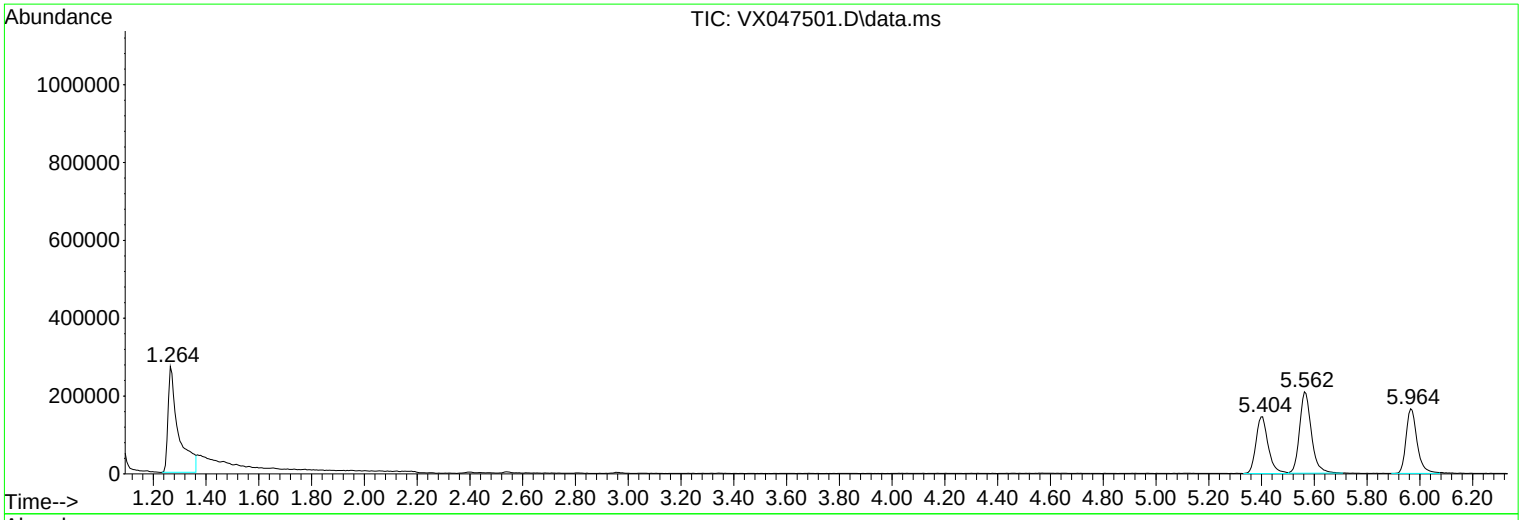
Sample Results: **VX047501.D**

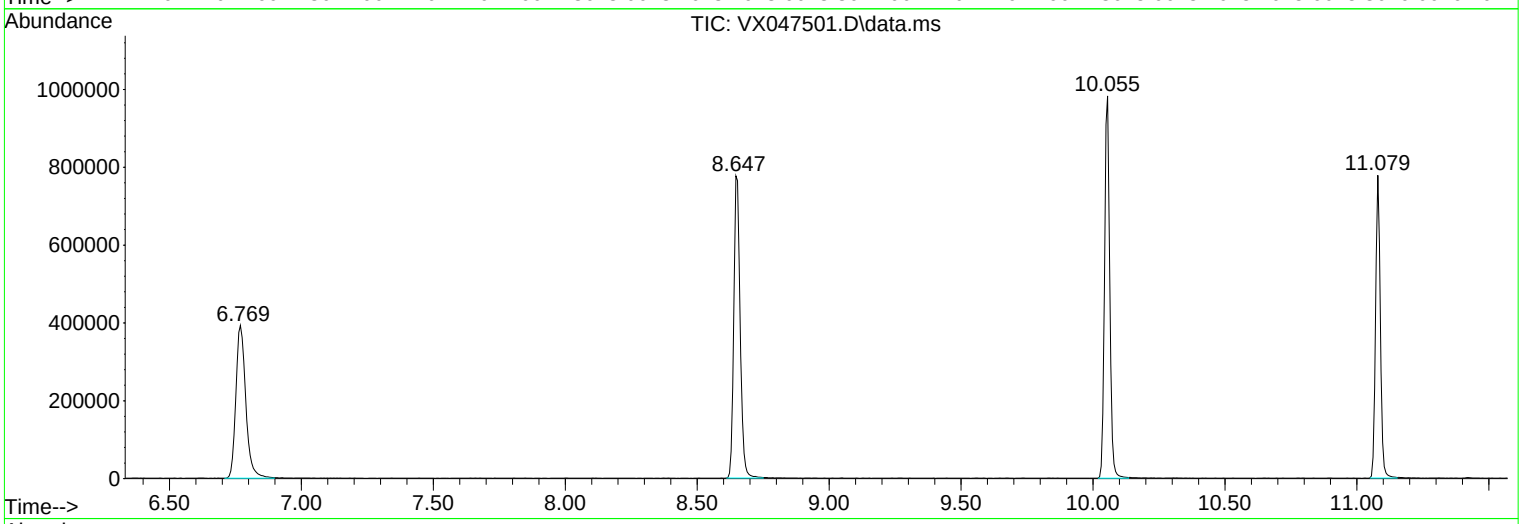
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

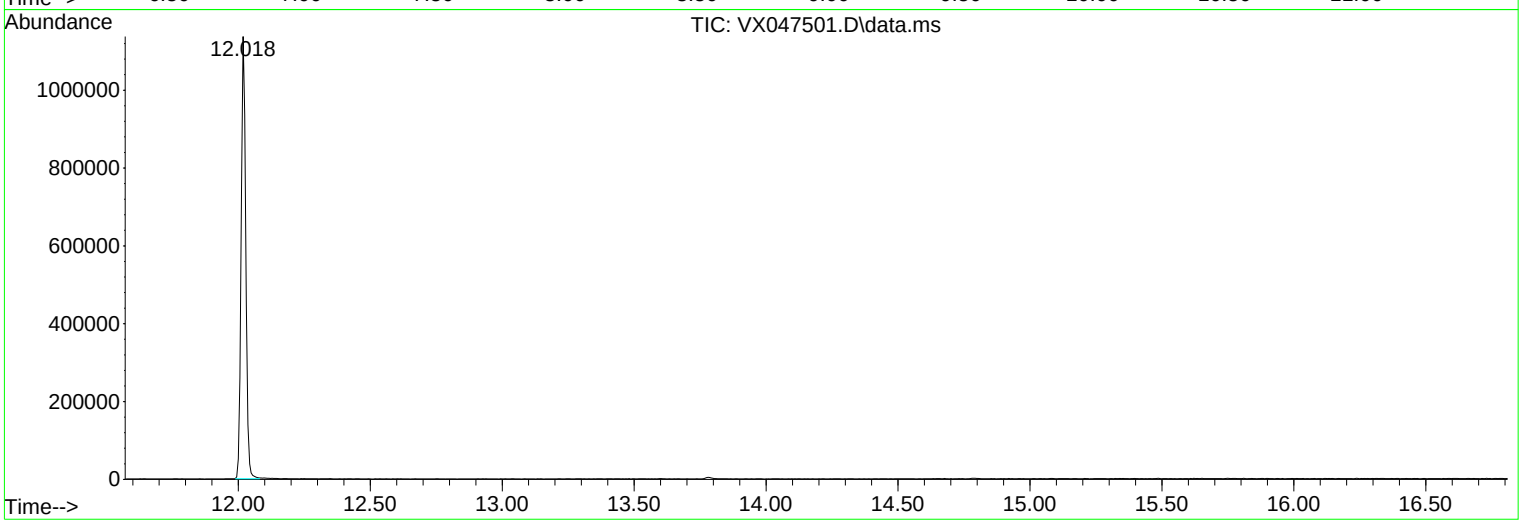
Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

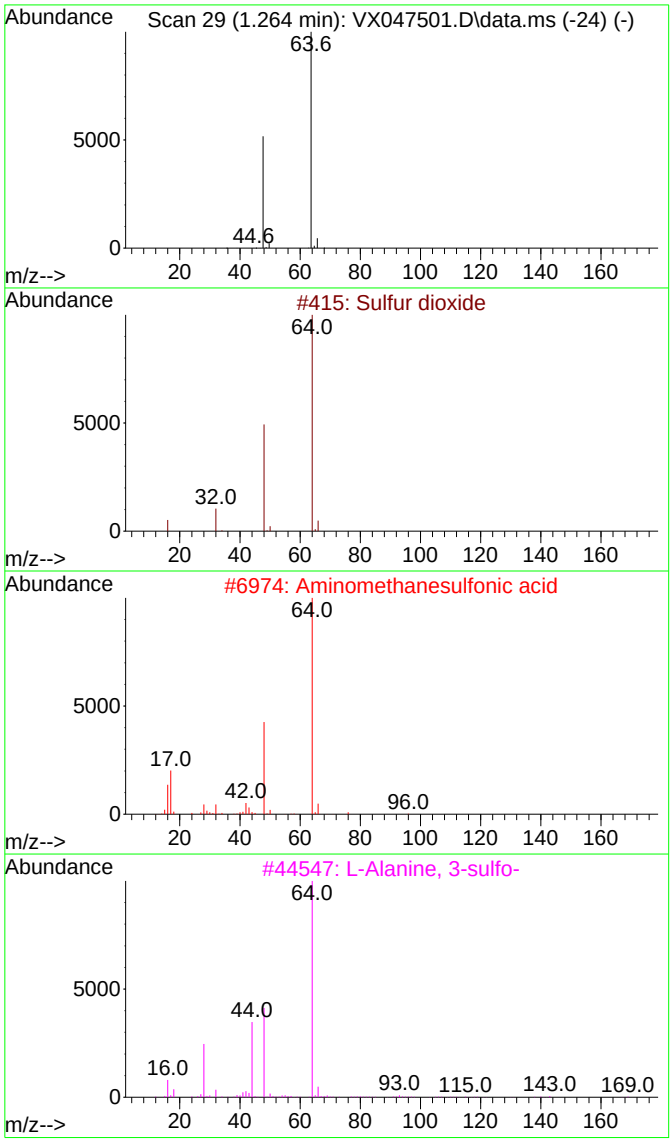
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

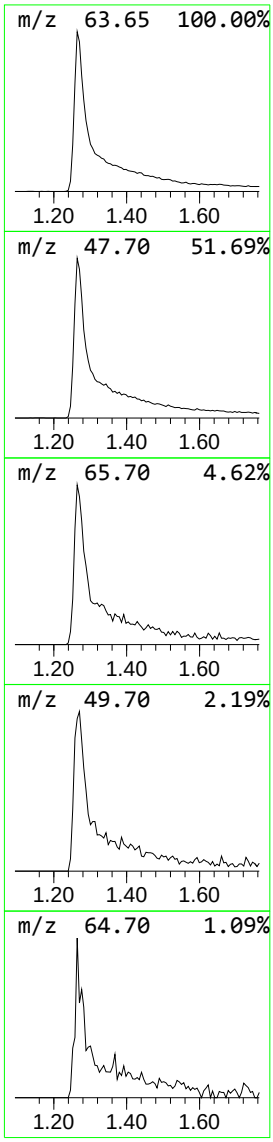
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	56.82 ug/l	741404	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethyl Chloride	64	C2H5Cl	000075-00-3	3
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047501.D
Acq On : 22 Aug 2025 16:25
Operator : JC/MD
Sample : Q2934-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-SW04

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.264	56.8	ug/l	741404	1	5.562	652395	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Time: Aug 25 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	210866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	425323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	221983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	170925	57.918	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.840%			
35) Dibromofluoromethane	5.397	113	139968	50.706	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.420%			
50) Toluene-d8	8.647	98	486341	49.293	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.580%			
62) 4-Bromofluorobenzene	11.079	95	205709	56.500	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.000%			

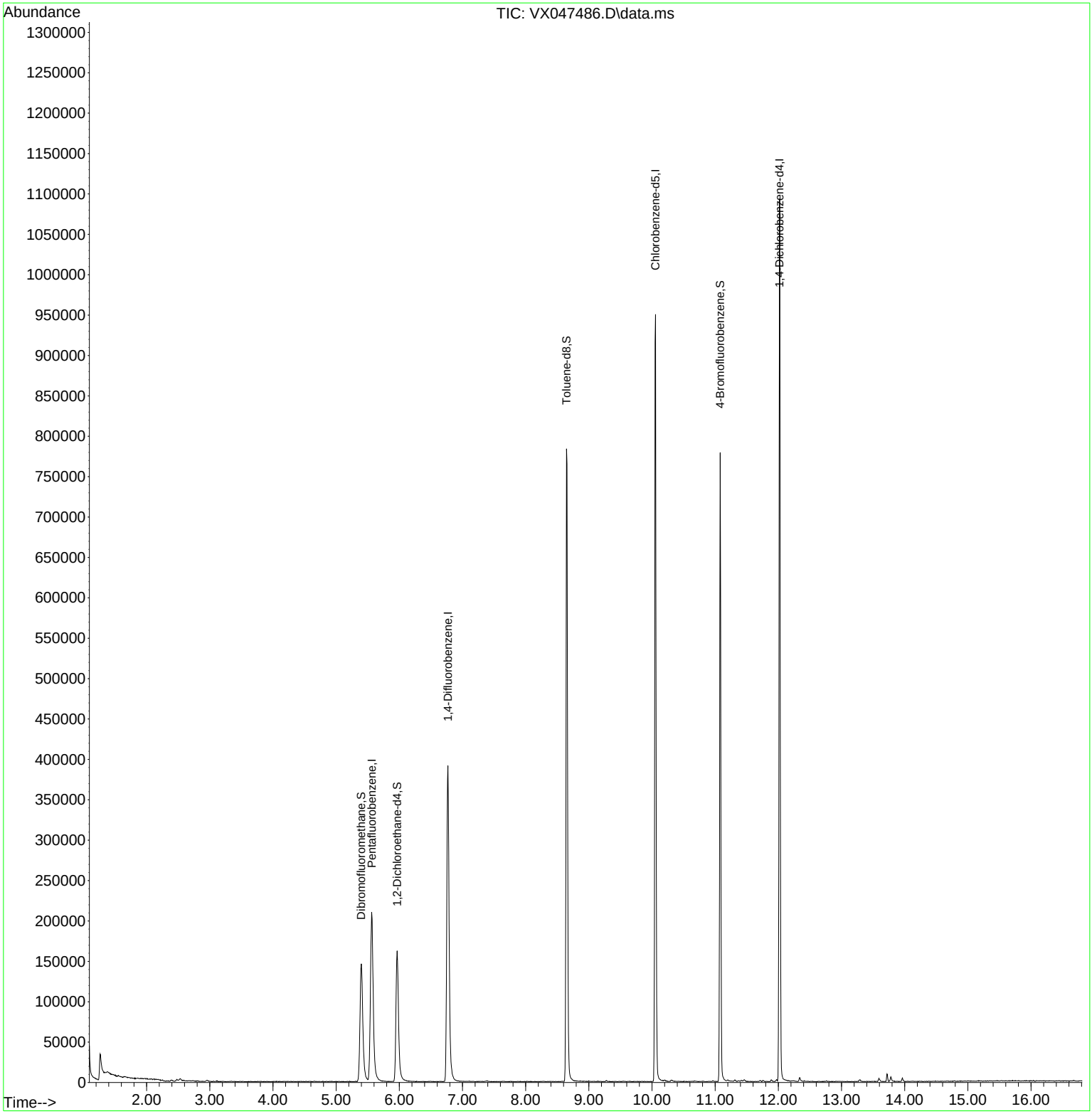
Target Compounds Qvalue

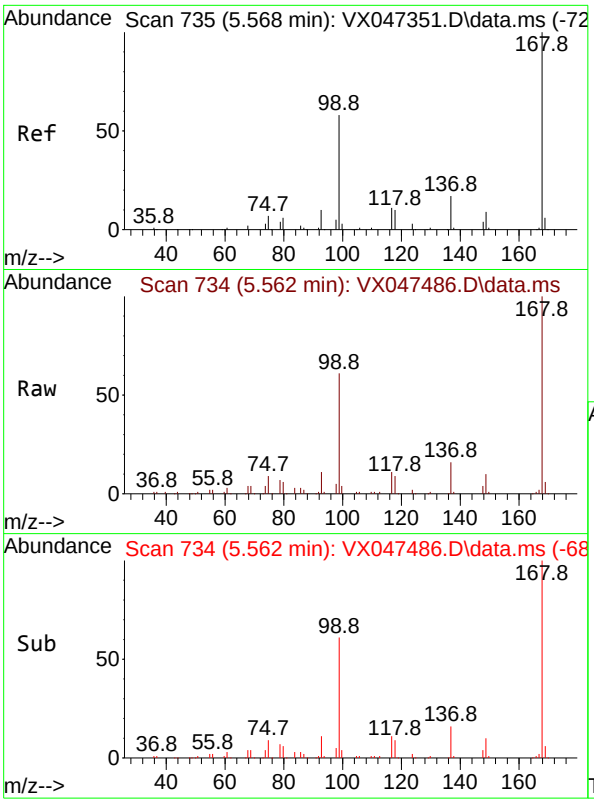
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Time: Aug 25 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



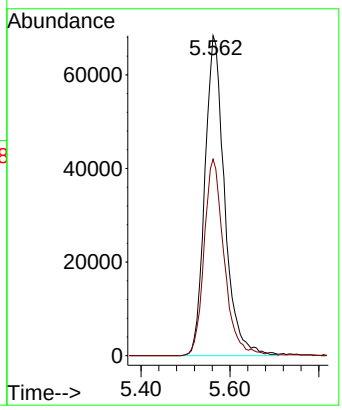


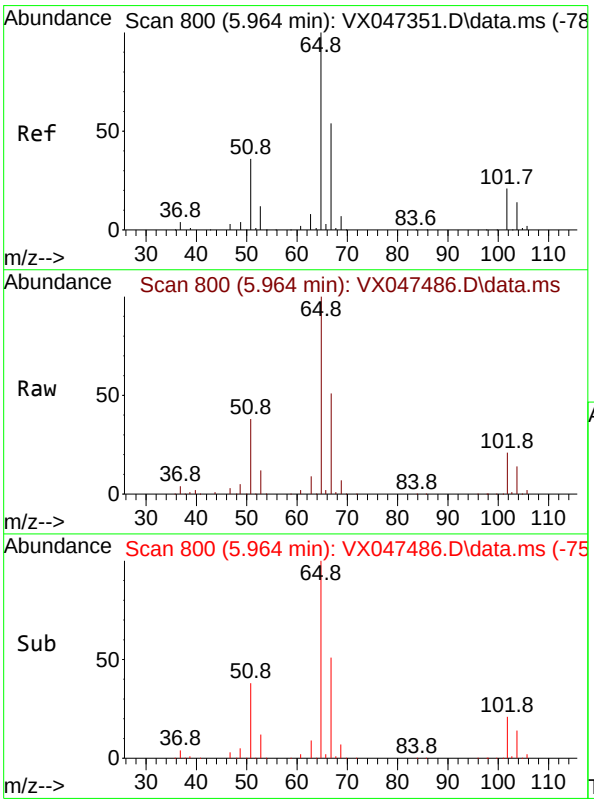
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion:168 Resp: 210866

Ion	Ratio	Lower	Upper
168	100		
99	61.4	47.9	71.9

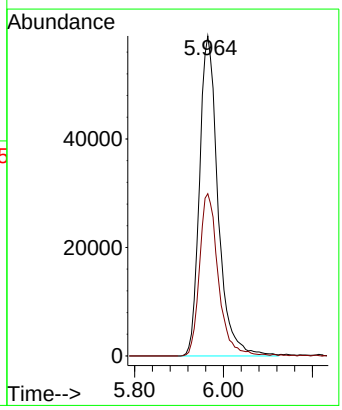


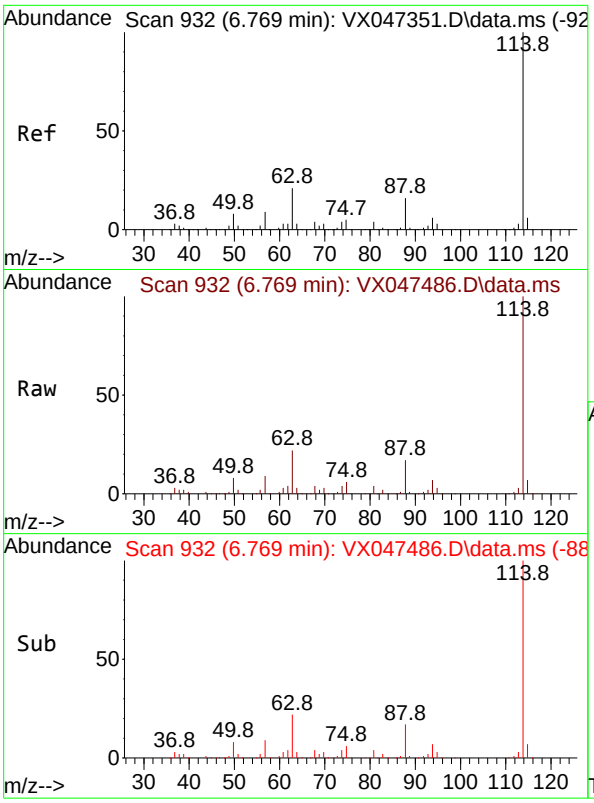


#33
1,2-Dichloroethane-d4
Concen: 57.918 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 65 Resp: 170925

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.0



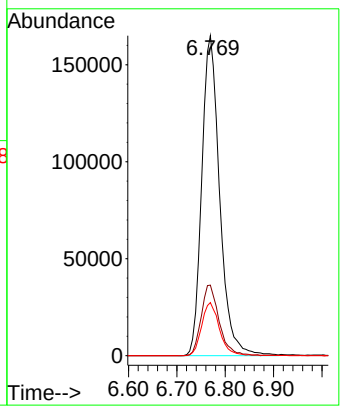


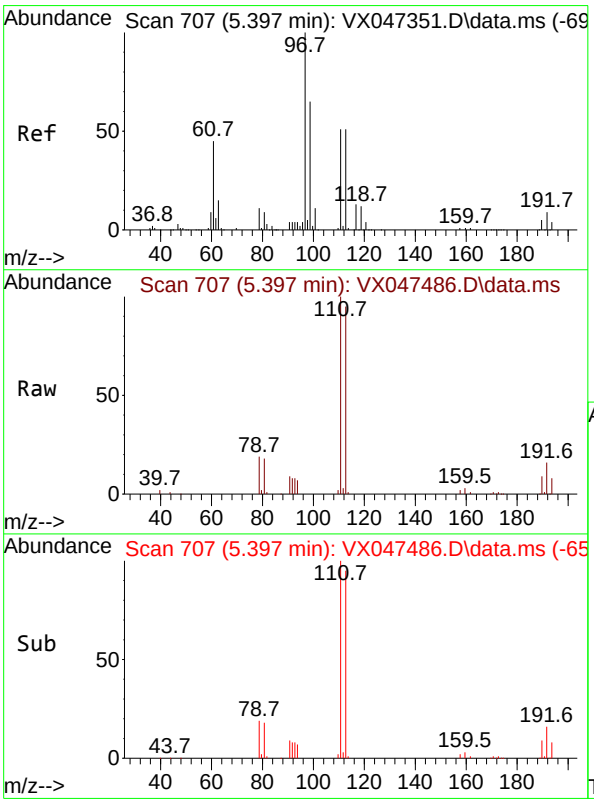
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion:114 Resp: 425323

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.4
88	16.6	0.0	33.0

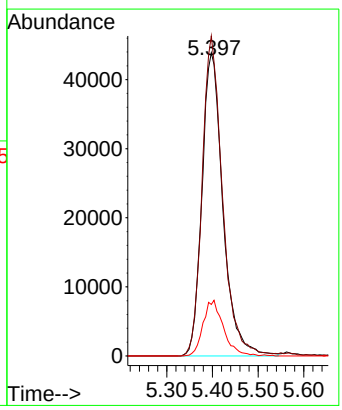


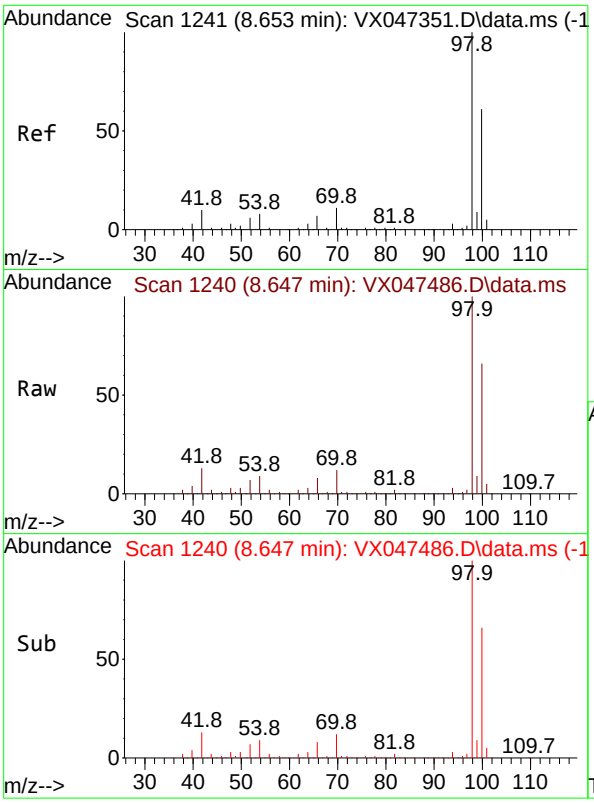


#35
Dibromofluoromethane
Concen: 50.706 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:113 Resp: 139968

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	17.9	14.1	21.1



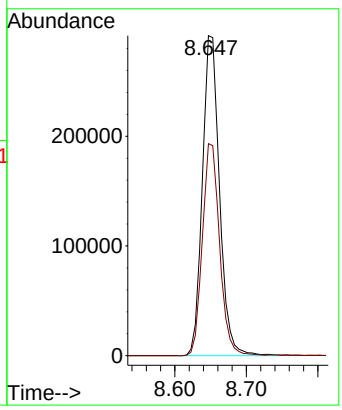


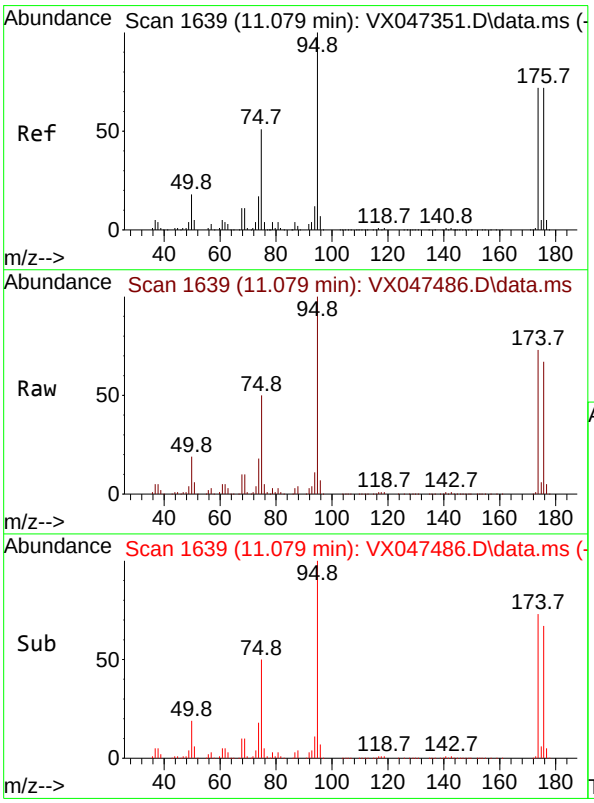
#50
Toluene-d8
Concen: 49.293 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion: 98 Resp: 486341

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.9	80.9

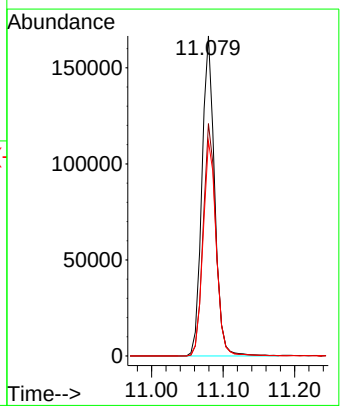


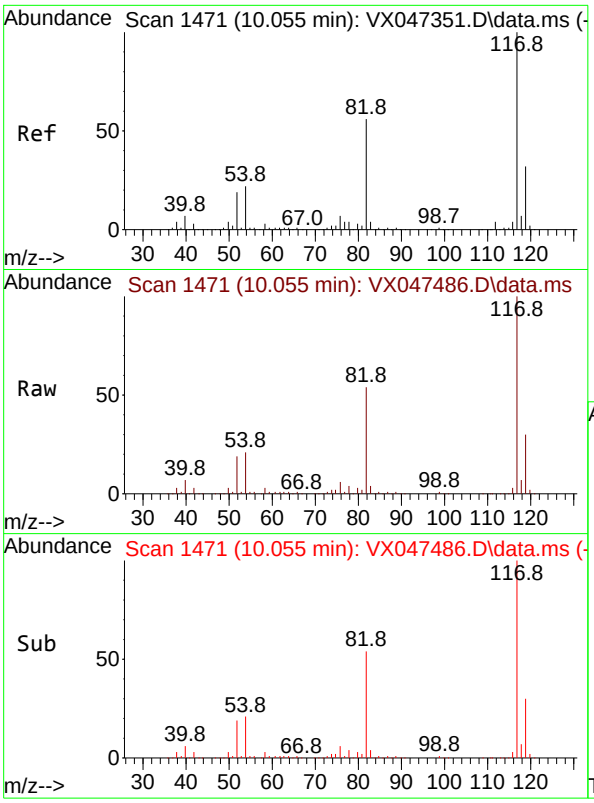


#62
4-Bromofluorobenzene
Concen: 56.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 95 Resp: 205709

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.0
176	69.6	0.0	145.4



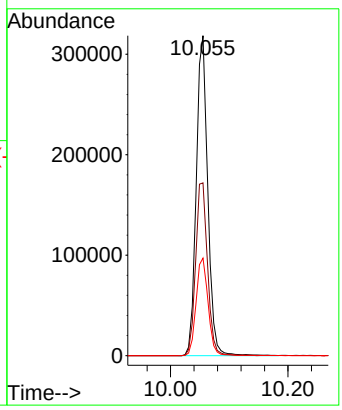


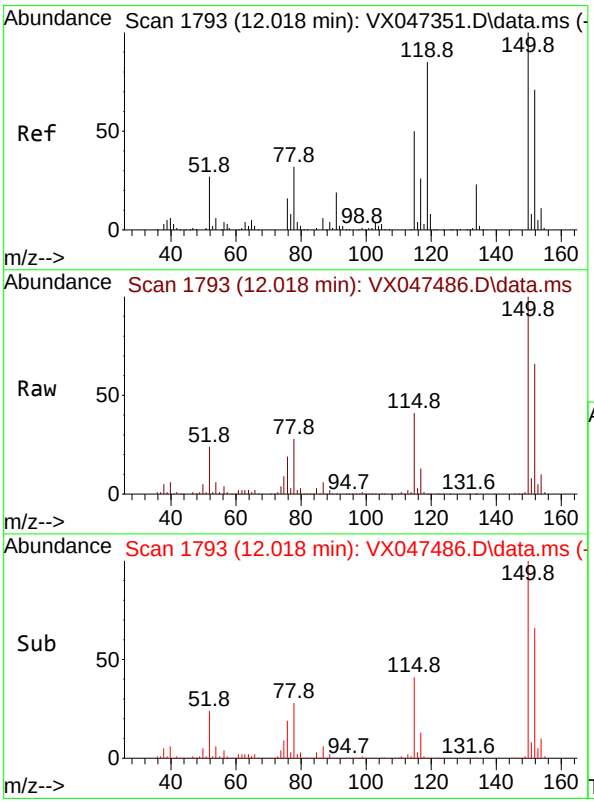
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion:117 Resp: 433100

Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.4
119	30.5	25.8	38.8

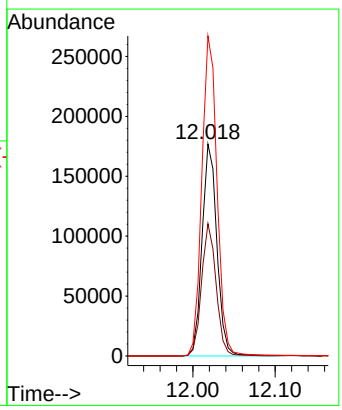




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:152 Resp: 221983

Ion	Ratio	Lower	Upper
152	100		
115	61.4	44.6	133.8
150	155.9	0.0	349.8



Sample Results: **VX047486.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047486.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	39	rBV	31999	85195	6.19%	1.109%
2	5.397	696	707	724	rBV2	145854	459687	33.40%	5.985%
3	5.562	724	734	758	rVB	208927	647937	47.08%	8.436%
4	5.964	790	800	823	rBV	161840	465070	33.79%	6.055%
5	6.769	922	932	956	rBV	390962	1013485	73.64%	13.195%
6	8.647	1234	1240	1262	rBV	783078	1313615	95.45%	17.103%
7	10.055	1465	1471	1487	rBV	949381	1339972	97.36%	17.446%
8	11.079	1633	1639	1654	rBV	778634	979394	71.16%	12.752%
9	12.018	1788	1793	1806	rBV	1091990	1376242	100.00%	17.918%

Sum of corrected areas: 7680597

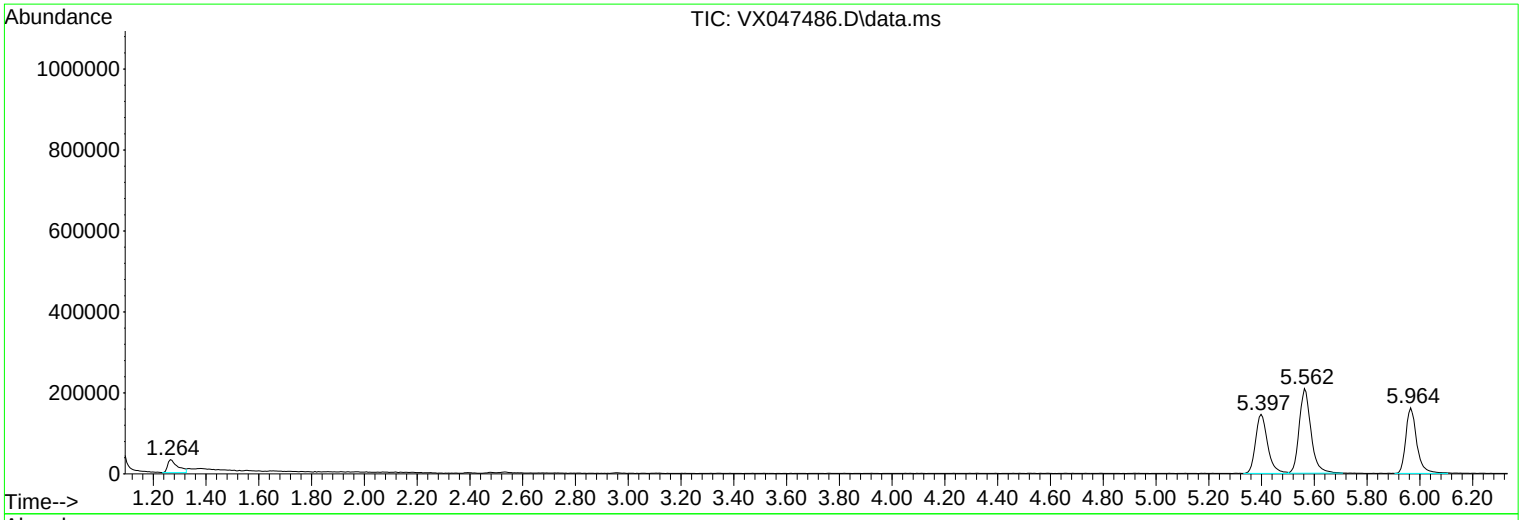
Sample Results: **VX047486.D**

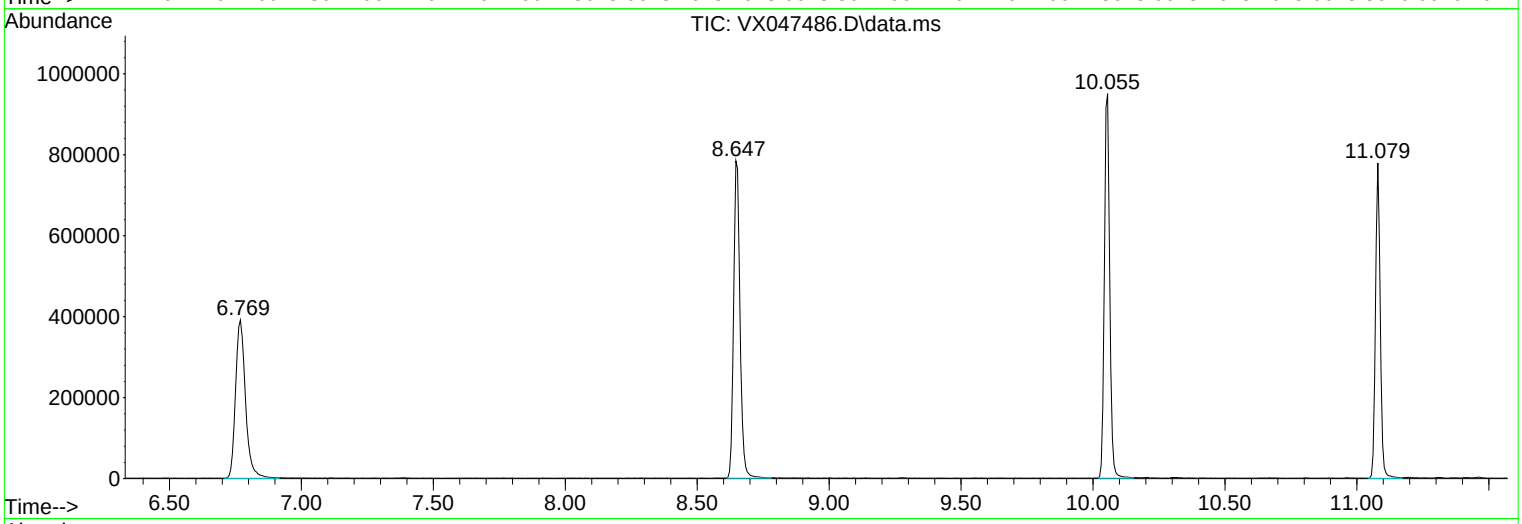
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

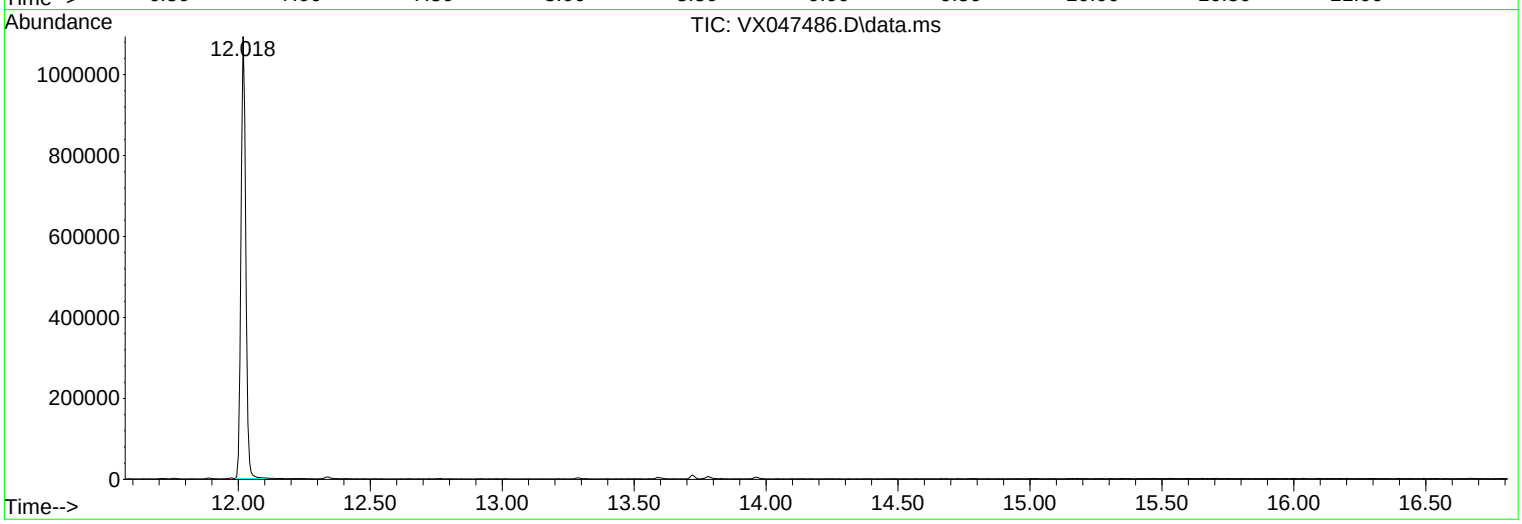
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	232449	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	415073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	390461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	202080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171028	52.572	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.140%			
35) Dibromofluoromethane	5.391	113	130007	48.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.520%			
50) Toluene-d8	8.647	98	449419	46.675	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.360%			
62) 4-Bromofluorobenzene	11.079	95	176754	49.746	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	51174	17.270	ug/l	99
3) Chloromethane	1.313	50	44538	16.708	ug/l	98
4) Vinyl Chloride	1.392	62	58849	17.589	ug/l	93
5) Bromomethane	1.630	94	23511	17.397	ug/l	94
6) Chloroethane	1.703	64	38529	18.821	ug/l	99
7) Trichlorofluoromethane	1.904	101	91060	18.400	ug/l	97
8) Diethyl Ether	2.148	74	36013	20.666	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	53596	18.669	ug/l	99
10) Methyl Iodide	2.471	142	66149	13.446	ug/l	97
11) Tert butyl alcohol	2.953	59	32571	115.088	ug/l	99
12) 1,1-Dichloroethene	2.337	96	54939	18.772	ug/l	96
13) Acrolein	2.246	56	69385	116.141	ug/l	100
14) Allyl chloride	2.678	41	99953	19.663	ug/l	98
15) Acrylonitrile	3.081	53	144182	105.431	ug/l	99
16) Acetone	2.392	43	128916	105.426	ug/l	98
17) Carbon Disulfide	2.526	76	155587	17.617	ug/l	99
18) Methyl Acetate	2.709	43	70950	22.390	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	186480	20.944	ug/l	97
20) Methylene Chloride	2.800	84	66440	20.519	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	58539	18.845	ug/l	97
22) Diisopropyl ether	3.770	45	215371	21.434	ug/l	99
23) Vinyl Acetate	3.733	43	859031	104.303	ug/l	100
24) 1,1-Dichloroethane	3.623	63	113640	20.009	ug/l	97
25) 2-Butanone	4.562	43	176691	110.329	ug/l	99
26) 2,2-Dichloropropane	4.483	77	85341	19.909	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	72888	20.146	ug/l	98
28) Bromochloromethane	4.904	49	52453	22.194	ug/l	98
29) Tetrahydrofuran	5.026	42	104993	101.432	ug/l	98
30) Chloroform	5.099	83	121232	20.915	ug/l	98
31) Cyclohexane	5.483	56	94533	18.056	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	96493	19.341	ug/l	98
36) 1,1-Dichloropropene	5.696	75	76562	18.004	ug/l	99
37) Ethyl Acetate	4.721	43	72556	16.435	ug/l	97
38) Carbon Tetrachloride	5.684	117	83963	18.068	ug/l	98
39) Methylcyclohexane	7.385	83	87969	16.584	ug/l	99
40) Benzene	6.044	78	244459	19.206	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.934	41	36243	19.468 ug/l		97
42) 1,2-Dichloroethane	6.086	62	89482	19.847 ug/l		99
43) Isopropyl Acetate	6.348	43	126571	19.957 ug/l		99
44) Trichloroethene	7.129	130	60557	18.581 ug/l		100
45) 1,2-Dichloropropane	7.434	63	64005	20.072 ug/l		95
46) Dibromomethane	7.580	93	45646	19.717 ug/l		97
47) Bromodichloromethane	7.824	83	96072	20.018 ug/l		98
48) Methyl methacrylate	7.696	41	64383	19.558 ug/l		99
49) 1,4-Dioxane	7.690	88	12964	405.097 ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	366900	100.531 ug/l		97
52) Toluene	8.720	92	151845	19.306 ug/l		98
53) t-1,3-Dichloropropene	8.976	75	85073	20.311 ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	96096	20.269 ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	61171	20.484 ug/l		98
56) Ethyl methacrylate	9.116	69	88107	20.012 ug/l		99
57) 1,3-Dichloropropane	9.305	76	104397	20.516 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	176711	89.599 ug/l		98
59) 2-Hexanone	9.433	43	248238	98.330 ug/l		99
60) Dibromochloromethane	9.519	129	72418	20.406 ug/l		98
61) 1,2-Dibromoethane	9.610	107	60377	19.607 ug/l		99
64) Tetrachloroethene	9.275	164	50131	17.750 ug/l		98
65) Chlorobenzene	10.079	112	174653	18.823 ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	59666	19.022 ug/l		98
67) Ethyl Benzene	10.189	91	289354	18.118 ug/l		100
68) m/p-Xylenes	10.299	106	221576	37.209 ug/l		100
69) o-Xylene	10.640	106	106294	18.548 ug/l		100
70) Styrene	10.653	104	186142	19.224 ug/l		99
71) Bromoform	10.799	173	44798	19.011 ug/l	#	99
73) Isopropylbenzene	10.957	105	273545	17.298 ug/l		99
74) N-amyl acetate	10.842	43	104769	17.447 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87283	18.799 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	67433m	18.194 ug/l		
77) Bromobenzene	11.195	156	70615	18.287 ug/l		99
78) n-propylbenzene	11.299	91	330035	17.475 ug/l		100
79) 2-Chlorotoluene	11.360	91	202982	17.779 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	231822	17.817 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.012	75	11110	18.845 ug/l		97
82) 4-Chlorotoluene	11.451	91	240627	17.879 ug/l		100
83) tert-Butylbenzene	11.713	119	229135	17.652 ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	237410	18.246 ug/l		99
85) sec-Butylbenzene	11.890	105	283969	17.649 ug/l		99
86) p-Isopropyltoluene	12.006	119	236780	17.391 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	131601	17.839 ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	134836	17.771 ug/l		98
89) n-Butylbenzene	12.329	91	219671	17.347 ug/l		100
90) Hexachloroethane	12.536	117	38492	16.115 ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	127172	18.162 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16058	17.884 ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	81591	17.381 ug/l		98
94) Hexachlorobutadiene	13.719	225	27743	16.604 ug/l		97
95) Naphthalene	13.774	128	240627	17.938 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	77660	17.551 ug/l		98

Sample Results: **VX047487.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

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

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

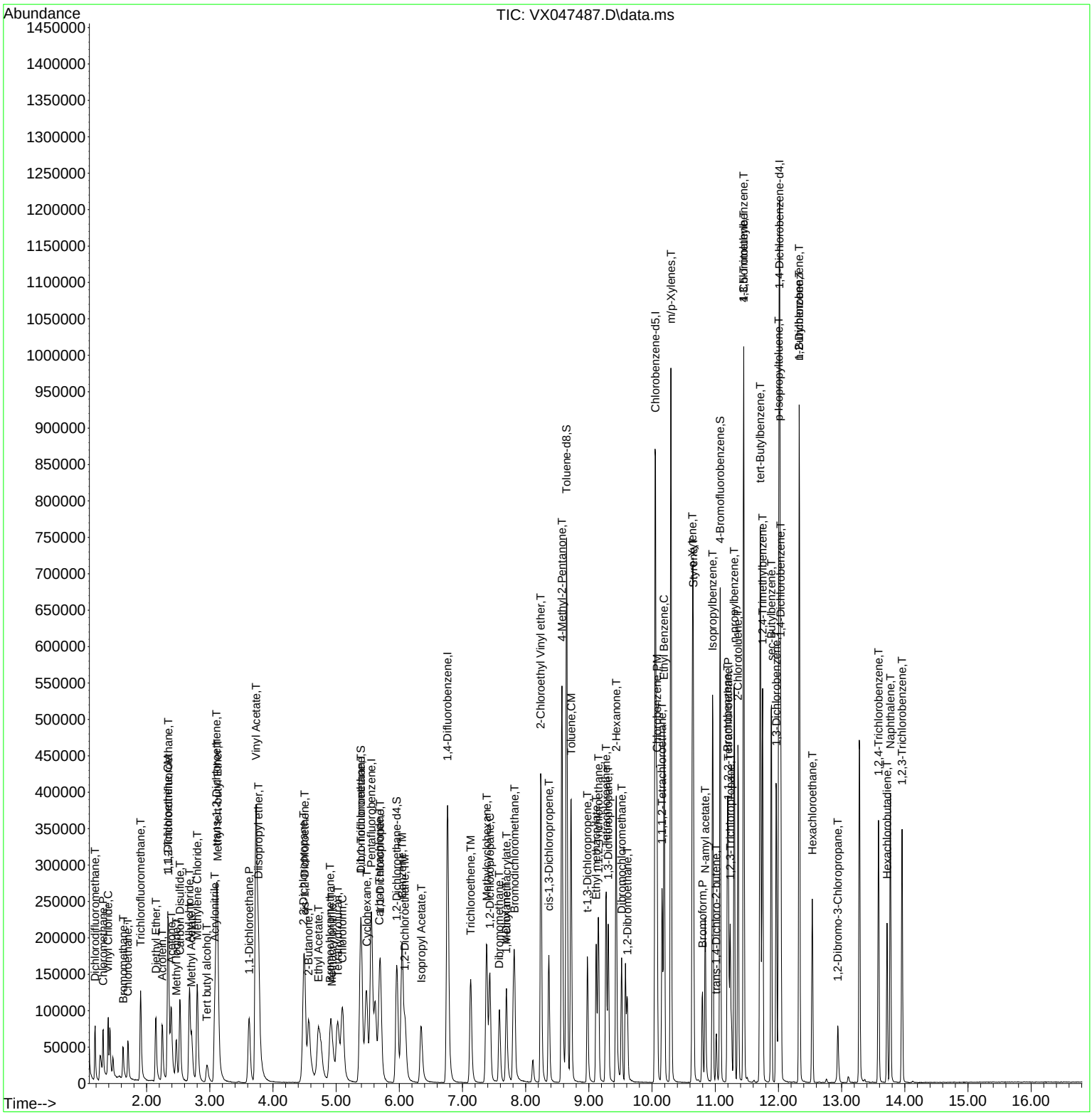
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047488.D
Acq On : 22 Aug 2025 11:51
Operator : JC/MD
Sample : VX0822WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 01:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	237872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	423338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	387914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	191887	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165194	49.621	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.240%			
35) Dibromofluoromethane	5.391	113	131523	47.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.740%			
50) Toluene-d8	8.646	98	456106	46.445	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.900%			
62) 4-Bromofluorobenzene	11.079	95	175865	48.529	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	52744	17.394	ug/l	98
3) Chloromethane	1.312	50	47532	17.425	ug/l	96
4) Vinyl Chloride	1.392	62	58135	16.979	ug/l	98
5) Bromomethane	1.629	94	25174	18.203	ug/l	96
6) Chloroethane	1.709	64	38423	18.342	ug/l	96
7) Trichlorofluoromethane	1.904	101	89238	17.621	ug/l	98
8) Diethyl Ether	2.148	74	35832	20.094	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	54922	18.695	ug/l	100
10) Methyl Iodide	2.471	142	67427	13.393	ug/l	93
11) Tert butyl alcohol	2.952	59	31512	108.808	ug/l	100
12) 1,1-Dichloroethene	2.337	96	52068	17.385	ug/l	97
13) Acrolein	2.251	56	69698	114.005	ug/l	99
14) Allyl chloride	2.678	41	96465	18.544	ug/l	99
15) Acrylonitrile	3.080	53	142611	101.905	ug/l	99
16) Acetone	2.391	43	125500	100.292	ug/l	98
17) Carbon Disulfide	2.526	76	155409	17.196	ug/l	98
18) Methyl Acetate	2.715	43	73431	22.645	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	186618	20.482	ug/l	99
20) Methylene Chloride	2.800	84	65902	19.889	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	58310	18.343	ug/l	96
22) Diisopropyl ether	3.769	45	214462	20.857	ug/l	97
23) Vinyl Acetate	3.733	43	860333	102.080	ug/l	99
24) 1,1-Dichloroethane	3.623	63	114442	19.691	ug/l	98
25) 2-Butanone	4.568	43	178570	108.960	ug/l	97
26) 2,2-Dichloropropane	4.489	77	80841	18.429	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	73256	19.786	ug/l	96
28) Bromochloromethane	4.909	49	52380	21.658	ug/l	98
29) Tetrahydrofuran	5.019	42	108404	102.340	ug/l	98
30) Chloroform	5.098	83	119002	20.063	ug/l	95
31) Cyclohexane	5.482	56	97532	18.204	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	95278	18.662	ug/l	97
36) 1,1-Dichloropropene	5.702	75	75313	17.365	ug/l	99
37) Ethyl Acetate	4.720	43	76893	17.077	ug/l	96
38) Carbon Tetrachloride	5.684	117	84801	17.892	ug/l	99
39) Methylcyclohexane	7.384	83	91721	16.954	ug/l	96
40) Benzene	6.043	78	247854	19.092	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047488.D
Acq On : 22 Aug 2025 11:51
Operator : JC/MD
Sample : VX0822WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 01:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	38508	20.281	ug/l		96
42) 1,2-Dichloroethane	6.092	62	89819	19.533	ug/l		99
43) Isopropyl Acetate	6.342	43	125415	19.389	ug/l		99
44) Trichloroethene	7.128	130	60804	18.292	ug/l		100
45) 1,2-Dichloropropane	7.433	63	62569	19.239	ug/l		96
46) Dibromomethane	7.586	93	46002	19.483	ug/l		97
47) Bromodichloromethane	7.823	83	96014	19.616	ug/l		99
48) Methyl methacrylate	7.695	41	64500	19.211	ug/l		98
49) 1,4-Dioxane	7.683	88	13517	414.131	ug/l		93
51) 4-Methyl-2-Pentanone	8.573	43	377591	101.440	ug/l		96
52) Toluene	8.720	92	151184	18.847	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	83940	19.649	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	93740	19.386	ug/l		99
55) 1,1,2-Trichloroethane	9.152	97	60466	19.853	ug/l		97
56) Ethyl methacrylate	9.116	69	88578	19.726	ug/l		98
57) 1,3-Dichloropropane	9.305	76	105503	20.329	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	179653	89.339	ug/l		98
59) 2-Hexanone	9.427	43	252296	97.987	ug/l		98
60) Dibromochloromethane	9.518	129	70934	19.597	ug/l		100
61) 1,2-Dibromoethane	9.610	107	61363	19.538	ug/l		100
64) Tetrachloroethene	9.274	164	49991	17.817	ug/l		98
65) Chlorobenzene	10.079	112	171569	18.612	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	59904	19.223	ug/l		99
67) Ethyl Benzene	10.195	91	293400	18.492	ug/l		99
68) m/p-Xylenes	10.299	106	222278	37.572	ug/l		99
69) o-Xylene	10.640	106	106357	18.681	ug/l		100
70) Styrene	10.652	104	185646	19.298	ug/l		99
71) Bromoform	10.798	173	47070	20.106	ug/l	#	98
73) Isopropylbenzene	10.963	105	284187	18.926	ug/l		99
74) N-amyl acetate	10.841	43	107356	18.827	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87989	19.958	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	69461m	19.736	ug/l		
77) Bromobenzene	11.195	156	69957	19.079	ug/l		98
78) n-propylbenzene	11.304	91	336842	18.782	ug/l		100
79) 2-Chlorotoluene	11.359	91	203482	18.769	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	233046	18.862	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	12143	20.503	ug/l		98
82) 4-Chlorotoluene	11.451	91	240809	18.843	ug/l		100
83) tert-Butylbenzene	11.713	119	235219	19.083	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	237710	19.240	ug/l		99
85) sec-Butylbenzene	11.890	105	293002	19.178	ug/l		100
86) p-Isopropyltoluene	12.006	119	242206	18.735	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	134293	19.171	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	135092	18.751	ug/l		99
89) n-Butylbenzene	12.329	91	228109	18.970	ug/l		99
90) Hexachloroethane	12.536	117	40670	17.932	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	128944	19.393	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	16362	19.190	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	83159	18.657	ug/l		99
94) Hexachlorobutadiene	13.719	225	30356	19.133	ug/l		97
95) Naphthalene	13.774	128	248392	19.500	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	80383	19.132	ug/l		100

Sample Results: **VX047488.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047488.D
Acq On : 22 Aug 2025 11:51
Operator : JC/MD
Sample : VX0822WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 01:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047488.D
Acq On : 22 Aug 2025 11:51
Operator : JC/MD
Sample : VX0822WBSD01
Misc : 5.0mL/MSVOA_X/WATER
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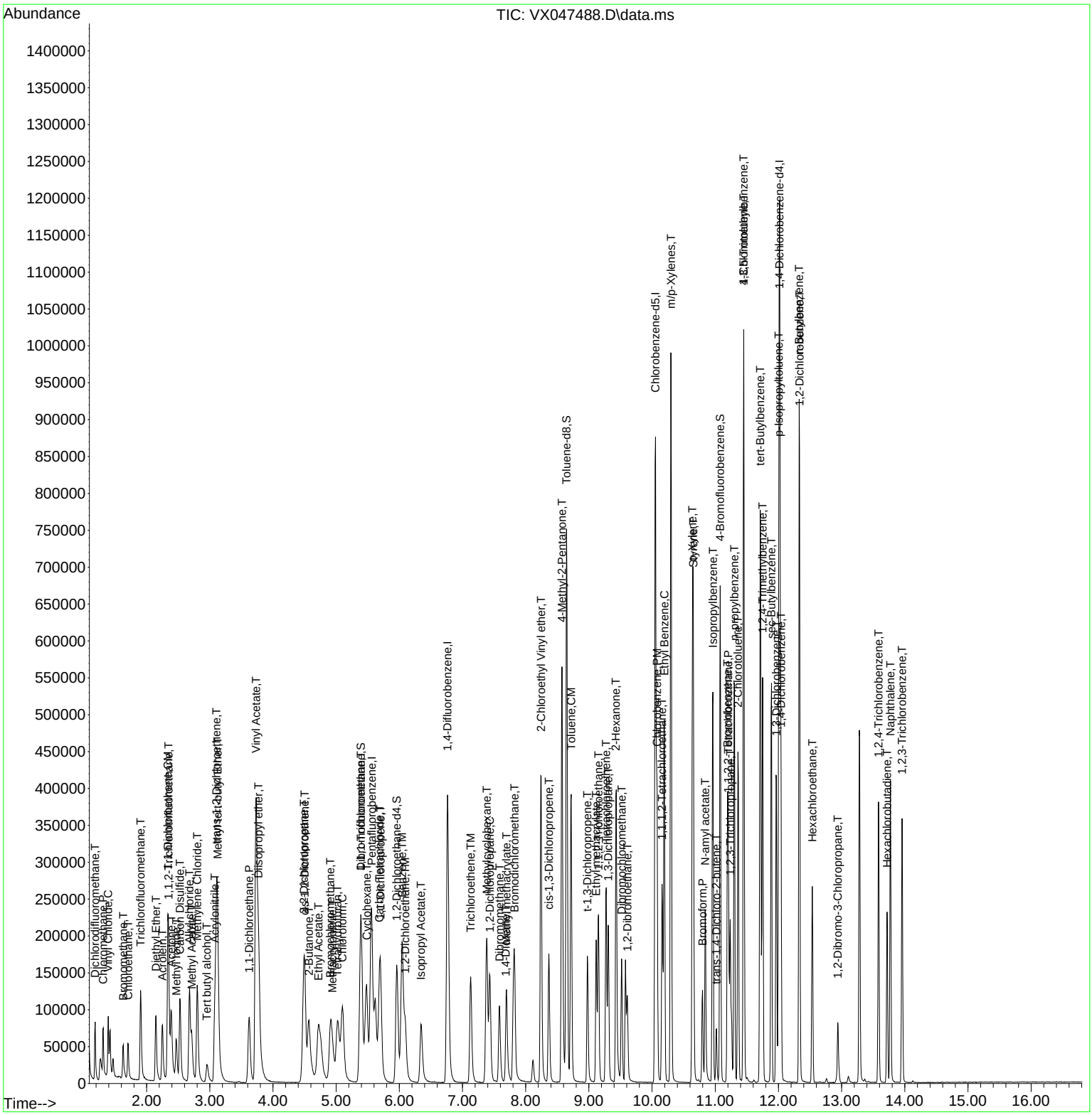
Quant Time: Aug 25 01:25:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



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Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX047349.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	1,4-Dioxane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	Tetrahydrofuran	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,4-Dioxane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICCC050	VX047351.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:42:59 AM	MMDadoda	8/19/2025 1:41:07 AM	Peak Integrated by Software
VSTDICC100	VX047352.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:03 AM	MMDadoda	8/19/2025 1:41:08 AM	Peak Integrated by Software
VSTDICC150	VX047353.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:07 AM	MMDadoda	8/19/2025 1:41:10 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dichlorobenzene	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dioxane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Allyl chloride	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Ethyl Acetate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047356.D	Methacrylonitrile	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Methyl methacrylate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Tetrahydrofuran	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,4-Dioxane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDCCC050	VX047369.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:44 AM	MMDadoda	8/19/2025 1:41:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX082225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047484.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:18 AM	SAM	8/25/2025 3:21:27 PM	Peak Integrated by Software
VX0822WBS01	VX047487.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:23 AM	SAM	8/25/2025 3:21:28 PM	Peak Integrated by Software
VX0822WBSD01	VX047488.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:28 AM	SAM	8/25/2025 3:21:30 PM	Peak Integrated by Software
VSTDCCC050	VX047509.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:44 AM	SAM	8/25/2025 3:21:37 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047347.D	15 Aug 2025 08:28	JC/MD	Ok
2	VSTDICC001	VX047348.D	15 Aug 2025 09:18	JC/MD	Not Ok
3	VSTDICC005	VX047349.D	15 Aug 2025 09:40	JC/MD	Ok,M
4	VSTDICC020	VX047350.D	15 Aug 2025 10:01	JC/MD	Ok,M
5	VSTDICCC050	VX047351.D	15 Aug 2025 10:22	JC/MD	Ok,M
6	VSTDICC100	VX047352.D	15 Aug 2025 10:43	JC/MD	Ok,M
7	VSTDICC150	VX047353.D	15 Aug 2025 11:05	JC/MD	Ok,M
8	IBLK	VX047354.D	15 Aug 2025 11:26	JC/MD	Ok
9	VSTDICC001	VX047355.D	15 Aug 2025 12:08	JC/MD	Not Ok
10	VSTDICC001	VX047356.D	15 Aug 2025 12:30	JC/MD	Ok,M
11	VSTDICV050	VX047357.D	15 Aug 2025 13:11	JC/MD	Ok,M
12	VX0815WBL01	VX047358.D	15 Aug 2025 13:39	JC/MD	Ok
13	VX0815MBL01	VX047359.D	15 Aug 2025 14:00	JC/MD	Ok
14	VX0815WBS01	VX047360.D	15 Aug 2025 14:21	JC/MD	Ok,M
15	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49	JC/MD	Ok,M
16	Q2880-01	VX047362.D	15 Aug 2025 15:10	JC/MD	Ok
17	Q2880-02	VX047363.D	15 Aug 2025 15:32	JC/MD	Ok
18	Q2880-03	VX047364.D	15 Aug 2025 15:53	JC/MD	Ok
19	Q2880-04	VX047365.D	15 Aug 2025 16:15	JC/MD	Ok
20	Q2886-01	VX047366.D	15 Aug 2025 16:36	JC/MD	Ok
21	Q2886-02	VX047367.D	15 Aug 2025 16:58	JC/MD	ReRun

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2837-01	VX047368.D	15 Aug 2025 17:19	JC/MD	Ok,M
23	VSTDCCC050	VX047369.D	15 Aug 2025 17:41	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047483.D	22 Aug 2025 08:25	JC/MD	Ok
2	VSTDCCC050	VX047484.D	22 Aug 2025 10:00	JC/MD	Ok,M
3	VX0822MBL01	VX047485.D	22 Aug 2025 10:32	JC/MD	Ok
4	VX0822WBL01	VX047486.D	22 Aug 2025 10:53	JC/MD	Ok
5	VX0822WBS01	VX047487.D	22 Aug 2025 11:22	JC/MD	Ok,M
6	VX0822WBSD01	VX047488.D	22 Aug 2025 11:51	JC/MD	Ok,M
7	Q2903-07DL	VX047489.D	22 Aug 2025 12:12	JC/MD	Ok
8	Q2903-13	VX047490.D	22 Aug 2025 12:34	JC/MD	ReRun
9	Q2927-01	VX047491.D	22 Aug 2025 12:55	JC/MD	Ok
10	IBLK	VX047492.D	22 Aug 2025 13:16	JC/MD	Ok
11	Q2903-02RE	VX047493.D	22 Aug 2025 13:37	JC/MD	Confirms
12	Q2903-09	VX047494.D	22 Aug 2025 13:58	JC/MD	Ok
13	Q2903-10	VX047495.D	22 Aug 2025 14:19	JC/MD	Ok
14	Q2903-11	VX047496.D	22 Aug 2025 14:40	JC/MD	Ok
15	Q2903-12	VX047497.D	22 Aug 2025 15:01	JC/MD	Ok
16	Q2934-01	VX047498.D	22 Aug 2025 15:22	JC/MD	Ok
17	Q2934-02	VX047499.D	22 Aug 2025 15:43	JC/MD	Ok
18	Q2934-03	VX047500.D	22 Aug 2025 16:04	JC/MD	Ok
19	Q2934-04	VX047501.D	22 Aug 2025 16:25	JC/MD	Ok
20	IBLK	VX047502.D	22 Aug 2025 16:46	JC/MD	Ok
21	Q2939-01	VX047503.D	22 Aug 2025 17:07	JC/MD	ReRun

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2939-02	VX047504.D	22 Aug 2025 17:27	JC/MD	Ok
23	Q2939-03	VX047505.D	22 Aug 2025 17:48	JC/MD	Ok
24	Q2939-04	VX047506.D	22 Aug 2025 18:09	JC/MD	Ok
25	Q2903-05MS	VX047507.D	22 Aug 2025 18:30	JC/MD	Ok,M
26	Q2903-06MSD	VX047508.D	22 Aug 2025 18:51	JC/MD	Ok,M
27	VSTDCCC050	VX047509.D	22 Aug 2025 19:12	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047347.D	15 Aug 2025 08:28		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047348.D	15 Aug 2025 09:18	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX047349.D	15 Aug 2025 09:40	LR-58,81	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047350.D	15 Aug 2025 10:01		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047351.D	15 Aug 2025 10:22		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047352.D	15 Aug 2025 10:43		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047353.D	15 Aug 2025 11:05		JC/MD	Ok,M
8	IBLK	IBLK	VX047354.D	15 Aug 2025 11:26		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX047355.D	15 Aug 2025 12:08	Not used	JC/MD	Not Ok
10	VSTDICC001	VSTDICC001	VX047356.D	15 Aug 2025 12:30		JC/MD	Ok,M
11	VSTDICV050	ICVVX081525	VX047357.D	15 Aug 2025 13:11		JC/MD	Ok,M
12	VX0815WBL01	VX0815WBL01	VX047358.D	15 Aug 2025 13:39		JC/MD	Ok
13	VX0815MBL01	VX0815MBL01	VX047359.D	15 Aug 2025 14:00		JC/MD	Ok
14	VX0815WBS01	VX0815WBS01	VX047360.D	15 Aug 2025 14:21		JC/MD	Ok,M
15	VX0815WBSD01	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49		JC/MD	Ok,M
16	Q2880-01	STORAGE-BLANK-SO	VX047362.D	15 Aug 2025 15:10	vial A pH<2	JC/MD	Ok
17	Q2880-02	STORAGE-BLANK-WA	VX047363.D	15 Aug 2025 15:32	vial A pH<2	JC/MD	Ok
18	Q2880-03	STORAGE-BLANK-WA	VX047364.D	15 Aug 2025 15:53	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2880-04	STORAGE-BLANK-SAI	VX047365.D	15 Aug 2025 16:15	vial A pH<2	JC/MD	Ok
20	Q2886-01	BP-TT182D-TB-202508	VX047366.D	15 Aug 2025 16:36	vial A pH<2	JC/MD	Ok
21	Q2886-02	BP-TT182D-GW-20250	VX047367.D	15 Aug 2025 16:58	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2837-01	TW-WTS-13	VX047368.D	15 Aug 2025 17:19	vial B pH<2	JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX047369.D	15 Aug 2025 17:41		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047483.D	22 Aug 2025 08:25		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047484.D	22 Aug 2025 10:00	pH#Lot#V12668	JC/MD	Ok,M
3	VX0822MBL01	VX0822MBL01	VX047485.D	22 Aug 2025 10:32		JC/MD	Ok
4	VX0822WBL01	VX0822WBL01	VX047486.D	22 Aug 2025 10:53		JC/MD	Ok
5	VX0822WBS01	VX0822WBS01	VX047487.D	22 Aug 2025 11:22		JC/MD	Ok,M
6	VX0822WBSD01	VX0822WBSD01	VX047488.D	22 Aug 2025 11:51		JC/MD	Ok,M
7	Q2903-07DL	MW-12B-081925DL	VX047489.D	22 Aug 2025 12:12	vial B pH<2	JC/MD	Ok
8	Q2903-13	TB	VX047490.D	22 Aug 2025 12:34	vial A pH<2 TB;Surrogate Fail	JC/MD	ReRun
9	Q2927-01	A6121M	VX047491.D	22 Aug 2025 12:55	vial A pH<2	JC/MD	Ok
10	IBLK	IBLK	VX047492.D	22 Aug 2025 13:16		JC/MD	Ok
11	Q2903-02RE	MW-1C-081925RE	VX047493.D	22 Aug 2025 13:37	vial B pH<2 Surrogate Fail	JC/MD	Confirms
12	Q2903-09	DUP-02-081925	VX047494.D	22 Aug 2025 13:58	vial B pH<2	JC/MD	Ok
13	Q2903-10	MW-17A-081925	VX047495.D	22 Aug 2025 14:19	vial A pH<2	JC/MD	Ok
14	Q2903-11	MW-18A-081925	VX047496.D	22 Aug 2025 14:40	vial A pH<2	JC/MD	Ok
15	Q2903-12	MW-16B-081925	VX047497.D	22 Aug 2025 15:01	vial A pH<2	JC/MD	Ok
16	Q2934-01	ENV-SW01	VX047498.D	22 Aug 2025 15:22	vial A pH<2	JC/MD	Ok
17	Q2934-02	ENV-SW02	VX047499.D	22 Aug 2025 15:43	vial A pH<2	JC/MD	Ok
18	Q2934-03	ENV-SW03	VX047500.D	22 Aug 2025 16:04	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2934-04	ENV-SW04	VX047501.D	22 Aug 2025 16:25	vial A pH<2	JC/MD	Ok
20	IBLK	IBLK	VX047502.D	22 Aug 2025 16:46		JC/MD	Ok
21	Q2939-01	STORAGE-BLANK-SO	VX047503.D	22 Aug 2025 17:07	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2939-02	STORAGE-BLANK-WA	VX047504.D	22 Aug 2025 17:27	vial A pH<2	JC/MD	Ok
23	Q2939-03	STORAGE-BLANK-WA	VX047505.D	22 Aug 2025 17:48	vial A pH<2	JC/MD	Ok
24	Q2939-04	STORAGE-BLANK-SA	VX047506.D	22 Aug 2025 18:09	vial A pH<2	JC/MD	Ok
25	Q2903-05MS	MW-6B-081925MS	VX047507.D	22 Aug 2025 18:30	vial A pH<2	JC/MD	Ok,M
26	Q2903-06MSD	MW-6B-081925MSD	VX047508.D	22 Aug 2025 18:51	vial A pH<2	JC/MD	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX047509.D	22 Aug 2025 19:12		JC/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2934	**OrderDate:**	8/21/2025 2:34:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2934-01	**ENV-SW01**	**Water**			**08/21/25**			**08/21/25**
			VOC-TCLVOA-10	8260-Low			08/22/25	
Q2934-02	**ENV-SW02**	**Water**			**08/21/25**			**08/21/25**
			VOC-TCLVOA-10	8260-Low			08/22/25	
Q2934-03	**ENV-SW03**	**Water**			**08/21/25**			**08/21/25**
			VOC-TCLVOA-10	8260-Low			08/22/25	
Q2934-04	**ENV-SW04**	**Water**			**08/21/25**			**08/21/25**
			VOC-TCLVOA-10	8260-Low			08/22/25	