

Hit Summary Sheet
SW-846

SDG No.: Q1488
Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	ENV-101-SB02							
Q1488-03	ENV-101-SB02	SOIL	Acetone	11.4	J	4.30	17.1	ug/Kg
			Total Voc :	11.4				
Q1488-03	ENV-101-SB02	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	4.70	J	0	0	ug/Kg
			Total Tics :	4.70				
			Total Concentration:	16.1				
Client ID:	ENV-102-SB02							
Q1488-07	ENV-102-SB02	SOIL	Acetone	8.60	J	5.30	21.1	ug/Kg
Q1488-07	ENV-102-SB02	SOIL	Carbon Disulfide	8.40		1.10	4.20	ug/Kg
			Total Voc :	17.0				
			Total Concentration:	17.0				
Client ID:	ENV-104-SB01							
Q1488-09	ENV-104-SB01	SOIL	Acetone	9.00	J	6.40	25.6	ug/Kg
			Total Voc :	9.00				
			Total Concentration:	9.00				
Client ID:	ENV-104-SB02							
Q1488-11	ENV-104-SB02	SOIL	Acetone	150		6.20	24.8	ug/Kg
Q1488-11	ENV-104-SB02	SOIL	Carbon Disulfide	1.30	J	1.30	5.00	ug/Kg
Q1488-11	ENV-104-SB02	SOIL	Methylene Chloride	4.30	J	3.40	9.90	ug/Kg
			Total Voc :	156				
Q1488-11	ENV-104-SB02	SOIL	11H-Dibenzo[b,e][1,4]diazepin *	21.6	J	0	0	ug/Kg
Q1488-11	ENV-104-SB02	SOIL	Tert butyl alcohol *	140	J	15.5	24.8	ug/Kg
			Total Tics :	162				
			Total Concentration:	317				
Client ID:	ENV-102-GW01							
Q1488-13	ENV-102-GW01	Water	Acetone	9.00		1.40	5.00	ug/L
Q1488-13	ENV-102-GW01	Water	Toluene	2.70		0.18	1.00	ug/L
			Total Voc :	11.7				
			Total Concentration:	11.7				
Client ID:	ENV-104-GW01							
Q1488-14	ENV-104-GW01	Water	Acetone	830	E	1.40	5.00	ug/L
Q1488-14	ENV-104-GW01	Water	Methylcyclohexane	0.39	J	0.19	1.00	ug/L
Q1488-14	ENV-104-GW01	Water	Toluene	0.31	J	0.18	1.00	ug/L
			Total Voc :	831				
			Total Concentration:	831				
Client ID:	ENV-104-GW01DL							
Q1488-14DL	ENV-104-GW01DL	Water	Acetone	1000	D	5.60	20.0	ug/L
			Total Voc :	1000				
			Total Concentration:	1000				

Hit Summary Sheet
SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021435.D	1		03/06/25 15:25	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	3.60	ug/Kg
74-87-3	Chloromethane	0.84	U	0.84	3.60	ug/Kg
75-01-4	Vinyl Chloride	0.56	U	0.56	3.60	ug/Kg
74-83-9	Bromomethane	0.75	U	0.75	3.60	ug/Kg
75-00-3	Chloroethane	0.73	U	0.73	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.66	U	0.66	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.78	U	0.78	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.57	U	0.57	3.60	ug/Kg
67-64-1	Acetone	4.50	U	4.50	18.2	ug/Kg
75-15-0	Carbon Disulfide	0.93	U	0.93	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.49	U	0.49	3.60	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	3.60	ug/Kg
75-09-2	Methylene Chloride	2.50	U	2.50	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.61	U	0.61	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.46	U	0.46	3.60	ug/Kg
110-82-7	Cyclohexane	0.50	U	0.50	3.60	ug/Kg
78-93-3	2-Butanone	4.10	U	4.10	18.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.63	U	0.63	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.44	U	0.44	3.60	ug/Kg
74-97-5	Bromochloromethane	1.80	U	1.80	3.60	ug/Kg
67-66-3	Chloroform	0.49	U	0.49	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.57	U	0.57	3.60	ug/Kg
108-87-2	Methylcyclohexane	0.63	U	0.63	3.60	ug/Kg
71-43-2	Benzene	0.52	U	0.52	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.44	U	0.44	3.60	ug/Kg
79-01-6	Trichloroethene	0.54	U	0.54	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.48	U	0.48	3.60	ug/Kg
75-27-4	Bromodichloromethane	0.41	U	0.41	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	18.2	ug/Kg
108-88-3	Toluene	0.49	U	0.49	3.60	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/04/25	
Client Sample ID:	ENV-101-SB01		SDG No.:	Q1488	
Lab Sample ID:	Q1488-01		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	88.5	
Sample Wt/Vol:	7.78	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021435.D	1		03/06/25 15:25	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.44	U	0.44	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.41	U	0.41	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.61	U	0.61	3.60	ug/Kg
591-78-6	2-Hexanone	3.50	U	3.50	18.2	ug/Kg
124-48-1	Dibromochloromethane	0.47	U	0.47	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.57	U	0.57	3.60	ug/Kg
127-18-4	Tetrachloroethene	0.65	U	0.65	3.60	ug/Kg
108-90-7	Chlorobenzene	0.54	U	0.54	3.60	ug/Kg
100-41-4	Ethyl Benzene	0.45	U	0.45	3.60	ug/Kg
179601-23-1	m/p-Xylenes	0.98	U	0.98	7.30	ug/Kg
95-47-6	o-Xylene	0.51	U	0.51	3.60	ug/Kg
100-42-5	Styrene	0.44	U	0.44	3.60	ug/Kg
75-25-2	Bromoform	0.59	U	0.59	3.60	ug/Kg
98-82-8	Isopropylbenzene	0.49	U	0.49	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.80	U	0.80	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.54	U	0.54	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.58	U	0.58	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.43	U	0.43	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.57	U	0.57	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.57	U	0.57	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.1		70 (63) - 130 (155)	130%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		70 (38) - 130 (136)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	243000	7.707			
540-36-3	1,4-Difluorobenzene	456000	8.616			
3114-55-4	Chlorobenzene-d5	411000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	166000	13.347			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	88.5
Sample Wt/Vol:	7.78 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021435.D	1		03/06/25 15:25	VY030625

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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/04/25	
Client Sample ID:	ENV-101-SB02		SDG No.:	Q1488	
Lab Sample ID:	Q1488-03		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	90.6	
Sample Wt/Vol:	8.05	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021436.D	1		03/06/25 15:49	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	3.40	ug/Kg
74-87-3	Chloromethane	0.80	U	0.80	3.40	ug/Kg
75-01-4	Vinyl Chloride	0.53	U	0.53	3.40	ug/Kg
74-83-9	Bromomethane	0.71	U	0.71	3.40	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.73	U	0.73	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.53	U	0.53	3.40	ug/Kg
67-64-1	Acetone	11.4	J	4.30	17.1	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.46	U	0.46	3.40	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.40	ug/Kg
75-09-2	Methylene Chloride	2.30	U	2.30	6.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.58	U	0.58	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.43	U	0.43	3.40	ug/Kg
110-82-7	Cyclohexane	0.47	U	0.47	3.40	ug/Kg
78-93-3	2-Butanone	3.90	U	3.90	17.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.60	U	0.60	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.42	U	0.42	3.40	ug/Kg
74-97-5	Bromochloromethane	1.70	U	1.70	3.40	ug/Kg
67-66-3	Chloroform	0.46	U	0.46	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.53	U	0.53	3.40	ug/Kg
108-87-2	Methylcyclohexane	0.60	U	0.60	3.40	ug/Kg
71-43-2	Benzene	0.49	U	0.49	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.42	U	0.42	3.40	ug/Kg
79-01-6	Trichloroethene	0.51	U	0.51	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.45	U	0.45	3.40	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	0.38	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	17.1	ug/Kg
108-88-3	Toluene	0.46	U	0.46	3.40	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/04/25	
Client Sample ID:	ENV-101-SB02			SDG No.:	Q1488	
Lab Sample ID:	Q1488-03			Matrix:	SOIL	
Analytical Method:	SW8260			% Solid:	90.6	
Sample Wt/Vol:	8.05	Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021436.D	1		03/06/25 15:49	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.41	U	0.41	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.39	U	0.39	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	3.40	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	17.1	ug/Kg
124-48-1	Dibromochloromethane	0.45	U	0.45	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.54	U	0.54	3.40	ug/Kg
127-18-4	Tetrachloroethene	0.61	U	0.61	3.40	ug/Kg
108-90-7	Chlorobenzene	0.51	U	0.51	3.40	ug/Kg
100-41-4	Ethyl Benzene	0.43	U	0.43	3.40	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	6.90	ug/Kg
95-47-6	o-Xylene	0.48	U	0.48	3.40	ug/Kg
100-42-5	Styrene	0.41	U	0.41	3.40	ug/Kg
75-25-2	Bromoform	0.56	U	0.56	3.40	ug/Kg
98-82-8	Isopropylbenzene	0.46	U	0.46	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.75	U	0.75	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.51	U	0.51	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.55	U	0.55	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.40	U	0.40	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.54	U	0.54	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.53	U	0.53	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.7		70 (63) - 130 (155)	121%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		70 (38) - 130 (136)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	234000	7.707			
540-36-3	1,4-Difluorobenzene	429000	8.616			
3114-55-4	Chlorobenzene-d5	378000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.347			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	90.6
Sample Wt/Vol:	8.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021436.D	1		03/06/25 15:49	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	4.70	J		13.9	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/04/25	
Client Sample ID:	ENV-102-SB01		SDG No.:	Q1488	
Lab Sample ID:	Q1488-05		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	85.7	
Sample Wt/Vol:	7.37	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021437.D	1		03/06/25 16:12	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.00	ug/Kg
74-87-3	Chloromethane	0.92	U	0.92	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.61	U	0.61	4.00	ug/Kg
74-83-9	Bromomethane	0.82	U	0.82	4.00	ug/Kg
75-00-3	Chloroethane	0.80	U	0.80	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.72	U	0.72	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.85	U	0.85	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.62	U	0.62	4.00	ug/Kg
67-64-1	Acetone	4.90	U	4.90	19.8	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	4.00	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.00	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.66	U	0.66	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.50	U	0.50	4.00	ug/Kg
110-82-7	Cyclohexane	0.55	U	0.55	4.00	ug/Kg
78-93-3	2-Butanone	4.50	U	4.50	19.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.69	U	0.69	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.48	U	0.48	4.00	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	4.00	ug/Kg
67-66-3	Chloroform	0.53	U	0.53	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.62	U	0.62	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	4.00	ug/Kg
71-43-2	Benzene	0.57	U	0.57	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.48	U	0.48	4.00	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.52	U	0.52	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.44	U	0.44	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	19.8	ug/Kg
108-88-3	Toluene	0.53	U	0.53	4.00	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/04/25	
Client Sample ID:	ENV-102-SB01			SDG No.:	Q1488	
Lab Sample ID:	Q1488-05			Matrix:	SOIL	
Analytical Method:	SW8260			% Solid:	85.7	
Sample Wt/Vol:	7.37	Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021437.D	1		03/06/25 16:12	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.47	U	0.47	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.66	U	0.66	4.00	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	19.8	ug/Kg
124-48-1	Dibromochloromethane	0.51	U	0.51	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.63	U	0.63	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.70	U	0.70	4.00	ug/Kg
108-90-7	Chlorobenzene	0.59	U	0.59	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	7.90	ug/Kg
95-47-6	o-Xylene	0.55	U	0.55	4.00	ug/Kg
100-42-5	Styrene	0.47	U	0.47	4.00	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	0.53	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.87	U	0.87	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.59	U	0.59	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.63	U	0.63	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.47	U	0.47	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.63	U	0.63	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.62	U	0.62	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.0		70 (63) - 130 (155)	128%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		70 (38) - 130 (136)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	245000	7.707			
540-36-3	1,4-Difluorobenzene	451000	8.616			
3114-55-4	Chlorobenzene-d5	409000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.347			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	85.7
Sample Wt/Vol:	7.37 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021437.D	1		03/06/25 16:12	VY030625

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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/04/25	
Client Sample ID:	ENV-102-SB02		SDG No.:	Q1488	
Lab Sample ID:	Q1488-07		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	80.1	
Sample Wt/Vol:	7.4	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021459.D	1		03/07/25 14:28	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.98	U	0.98	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.20	ug/Kg
74-83-9	Bromomethane	0.87	U	0.87	4.20	ug/Kg
75-00-3	Chloroethane	0.85	U	0.85	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.77	U	0.77	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.90	U	0.90	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.66	U	0.66	4.20	ug/Kg
67-64-1	Acetone	8.60	J	5.30	21.1	ug/Kg
75-15-0	Carbon Disulfide	8.40		1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.57	U	0.57	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.53	U	0.53	4.20	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	4.20	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	21.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.57	U	0.57	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.66	U	0.66	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.20	ug/Kg
71-43-2	Benzene	0.61	U	0.61	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.63	U	0.63	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.56	U	0.56	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	21.1	ug/Kg
108-88-3	Toluene	0.57	U	0.57	4.20	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/04/25	
Client Sample ID:	ENV-102-SB02		SDG No.:	Q1488	
Lab Sample ID:	Q1488-07		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	80.1	
Sample Wt/Vol:	7.4	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021459.D	1		03/07/25 14:28	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.51	U	0.51	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.48	U	0.48	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.71	U	0.71	4.20	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	21.1	ug/Kg
124-48-1	Dibromochloromethane	0.55	U	0.55	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.67	U	0.67	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.75	U	0.75	4.20	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.40	ug/Kg
95-47-6	o-Xylene	0.59	U	0.59	4.20	ug/Kg
100-42-5	Styrene	0.51	U	0.51	4.20	ug/Kg
75-25-2	Bromoform	0.68	U	0.68	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.93	U	0.93	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.62	U	0.62	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.67	U	0.67	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.50	U	0.50	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.67	U	0.67	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.66	U	0.66	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.9		70 (63) - 130 (155)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		70 (38) - 130 (136)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	7.707			
540-36-3	1,4-Difluorobenzene	508000	8.616			
3114-55-4	Chlorobenzene-d5	440000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	169000	13.346			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.1
Sample Wt/Vol:	7.4 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021459.D	1		03/07/25 14:28	VY030725

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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/04/25	
Client Sample ID:	ENV-104-SB01		SDG No.:	Q1488	
Lab Sample ID:	Q1488-09		Matrix:	SOIL	
Analytical Method:	SW8260		% Solid:	82.6	
Sample Wt/Vol:	5.92	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021460.D	1		03/07/25 14:52	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.70	U	1.70	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.93	U	0.93	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.80	U	0.80	5.10	ug/Kg
67-64-1	Acetone	9.00	J	6.40	25.6	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.69	U	0.69	5.10	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.10	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.64	U	0.64	5.10	ug/Kg
110-82-7	Cyclohexane	0.71	U	0.71	5.10	ug/Kg
78-93-3	2-Butanone	5.80	U	5.80	25.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.89	U	0.89	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	5.10	ug/Kg
74-97-5	Bromochloromethane	2.50	U	2.50	5.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.89	U	0.89	5.10	ug/Kg
71-43-2	Benzene	0.74	U	0.74	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.62	U	0.62	5.10	ug/Kg
79-01-6	Trichloroethene	0.77	U	0.77	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.40	U	4.40	25.6	ug/Kg
108-88-3	Toluene	0.69	U	0.69	5.10	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/04/25	
Client Sample ID:	ENV-104-SB01			SDG No.:	Q1488	
Lab Sample ID:	Q1488-09			Matrix:	SOIL	
Analytical Method:	SW8260			% Solid:	82.6	
Sample Wt/Vol:	5.92	Units:	g	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID :	0.25	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021460.D	1		03/07/25 14:52	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.61	U	0.61	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	5.10	ug/Kg
591-78-6	2-Hexanone	4.90	U	4.90	25.6	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	0.66	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.81	U	0.81	5.10	ug/Kg
127-18-4	Tetrachloroethene	0.91	U	0.91	5.10	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.2	ug/Kg
95-47-6	o-Xylene	0.72	U	0.72	5.10	ug/Kg
100-42-5	Styrene	0.61	U	0.61	5.10	ug/Kg
75-25-2	Bromoform	0.83	U	0.83	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.69	U	0.69	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.76	U	0.76	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.82	U	0.82	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.60	U	0.60	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.81	U	0.81	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.80	U	0.80	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		70 (63) - 130 (155)	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	33.0	*	70 (38) - 130 (136)	66%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	272000	7.707			
540-36-3	1,4-Difluorobenzene	479000	8.616			
3114-55-4	Chlorobenzene-d5	375000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.346			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.6
Sample Wt/Vol:	5.92 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021460.D	1		03/07/25 14:52	VY030725

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.1
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021461.D	1		03/07/25 15:15	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.60	U	1.60	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.76	U	0.76	5.00	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	5.00	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.77	U	0.77	5.00	ug/Kg
67-64-1	Acetone	150		6.20	24.8	ug/Kg
75-15-0	Carbon Disulfide	1.30	J	1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	5.00	ug/Kg
79-20-9	Methyl Acetate	1.80	U	1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	4.30	J	3.40	9.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.83	U	0.83	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.62	U	0.62	5.00	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	5.00	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	24.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.86	U	0.86	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.60	U	0.60	5.00	ug/Kg
74-97-5	Bromochloromethane	2.40	U	2.40	5.00	ug/Kg
67-66-3	Chloroform	0.66	U	0.66	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.86	U	0.86	5.00	ug/Kg
71-43-2	Benzene	0.71	U	0.71	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	5.00	ug/Kg
79-01-6	Trichloroethene	0.74	U	0.74	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.65	U	0.65	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.56	U	0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.30	U	4.30	24.8	ug/Kg
108-88-3	Toluene	0.66	U	0.66	5.00	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.1
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021461.D	1		03/07/25 15:15	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.83	U	0.83	5.00	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	24.8	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.78	U	0.78	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	5.00	ug/Kg
108-90-7	Chlorobenzene	0.73	U	0.73	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.61	U	0.61	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	9.90	ug/Kg
95-47-6	o-Xylene	0.69	U	0.69	5.00	ug/Kg
100-42-5	Styrene	0.59	U	0.59	5.00	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.66	U	0.66	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.73	U	0.73	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.79	U	0.79	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.58	U	0.58	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.77	U	0.77	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	44.3		70 (74) - 130 (123)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	26.3	*	70 (38) - 130 (136)	53%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	263000	7.707			
540-36-3	1,4-Difluorobenzene	451000	8.616			
3114-55-4	Chlorobenzene-d5	302000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	63200	13.347			

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	81.1
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021461.D	1		03/07/25 15:15	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
75-65-0	Tert butyl alcohol	140	J		4.85	ug/Kg
013450-73-2	11H-Dibenzo[b,e][1,4]diazepin-11-o	21.6	J		13.9	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045150.D	1		03/05/25 18:15	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	9.00		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	2.70		0.18	1.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/04/25	
Client Sample ID:	ENV-102-GW01		SDG No.:	Q1488	
Lab Sample ID:	Q1488-13		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045150.D	1		03/05/25 18:15	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		70 (77) - 130 (121)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	72600	5.544			
540-36-3	1,4-Difluorobenzene	144000	6.757			
3114-55-4	Chlorobenzene-d5	133000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	57700	12.018			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-13	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045150.D	1		03/05/25 18:15	VX030525

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045151.D	1		03/05/25 18:38	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
67-64-1	Acetone	830	E	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.39	J	0.19	1.00	ug/L
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.31	J	0.18	1.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045151.D	1		03/05/25 18:38	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	79400	5.543			
540-36-3	1,4-Difluorobenzene	156000	6.757			
3114-55-4	Chlorobenzene-d5	142000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	59800	12.024			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01	SDG No.:	Q1488
Lab Sample ID:	Q1488-14	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045151.D	1		03/05/25 18:38	VX030525

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01DL	SDG No.:	Q1488
Lab Sample ID:	Q1488-14DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045161.D	4		03/06/25 12:23	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.84	UD	0.84	4.00	ug/L
74-87-3	Chloromethane	1.40	UD	1.40	4.00	ug/L
75-01-4	Vinyl Chloride	1.40	UD	1.40	4.00	ug/L
74-83-9	Bromomethane	5.40	UD	5.40	20.0	ug/L
75-00-3	Chloroethane	2.20	UD	2.20	4.00	ug/L
75-69-4	Trichlorofluoromethane	1.40	UD	1.40	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	UD	1.00	4.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	UD	1.00	4.00	ug/L
67-64-1	Acetone	1000	D	5.60	20.0	ug/L
75-15-0	Carbon Disulfide	1.30	UD	1.30	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.64	UD	0.64	4.00	ug/L
79-20-9	Methyl Acetate	2.40	UD	2.40	4.00	ug/L
75-09-2	Methylene Chloride	1.30	UD	1.30	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	UD	1.00	4.00	ug/L
75-34-3	1,1-Dichloroethane	0.92	UD	0.92	4.00	ug/L
110-82-7	Cyclohexane	6.50	UD	6.50	20.0	ug/L
78-93-3	2-Butanone	5.20	UD	5.20	20.0	ug/L
56-23-5	Carbon Tetrachloride	1.00	UD	1.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	UD	1.00	4.00	ug/L
74-97-5	Bromochloromethane	0.72	UD	0.72	4.00	ug/L
67-66-3	Chloroform	1.00	UD	1.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.76	UD	0.76	4.00	ug/L
108-87-2	Methylcyclohexane	0.76	UD	0.76	4.00	ug/L
71-43-2	Benzene	0.64	UD	0.64	4.00	ug/L
107-06-2	1,2-Dichloroethane	0.96	UD	0.96	4.00	ug/L
79-01-6	Trichloroethene	1.30	UD	1.30	4.00	ug/L
78-87-5	1,2-Dichloropropane	0.76	UD	0.76	4.00	ug/L
75-27-4	Bromodichloromethane	0.96	UD	0.96	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.00	UD	3.00	20.0	ug/L
108-88-3	Toluene	0.72	UD	0.72	4.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01DL	SDG No.:	Q1488
Lab Sample ID:	Q1488-14DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045161.D	4		03/06/25 12:23	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.84	UD	0.84	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.72	UD	0.72	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.84	UD	0.84	4.00	ug/L
591-78-6	2-Hexanone	4.50	UD	4.50	20.0	ug/L
124-48-1	Dibromochloromethane	0.72	UD	0.72	4.00	ug/L
106-93-4	1,2-Dibromoethane	0.64	UD	0.64	4.00	ug/L
127-18-4	Tetrachloroethene	1.00	UD	1.00	4.00	ug/L
108-90-7	Chlorobenzene	0.52	UD	0.52	4.00	ug/L
100-41-4	Ethyl Benzene	0.64	UD	0.64	4.00	ug/L
179601-23-1	m/p-Xylenes	1.20	UD	1.20	8.00	ug/L
95-47-6	o-Xylene	0.56	UD	0.56	4.00	ug/L
100-42-5	Styrene	0.64	UD	0.64	4.00	ug/L
75-25-2	Bromoform	0.84	UD	0.84	4.00	ug/L
98-82-8	Isopropylbenzene	0.52	UD	0.52	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.10	UD	1.10	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.96	UD	0.96	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.10	UD	1.10	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.76	UD	0.76	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	UD	1.80	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.70	UD	1.70	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.00	UD	2.00	4.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	53.4		70 (86) - 130 (113)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	70200	5.55			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	48200	12.018			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-GW01DL	SDG No.:	Q1488
Lab Sample ID:	Q1488-14DL	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045161.D	4		03/06/25 12:23	VX030625

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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	03/04/25	
Client Sample ID:	TB03042025		SDG No.:	Q1488	
Lab Sample ID:	Q1488-15		Matrix:	Water	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045149.D	1		03/05/25 17:52	VX030525

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	03/04/25	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	03/04/25	
Client Sample ID:	TB03042025			SDG No.:	Q1488	
Lab Sample ID:	Q1488-15			Matrix:	Water	
Analytical Method:	SW8260			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045149.D	1		03/05/25 17:52	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.4		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	72800	5.544			
540-36-3	1,4-Difluorobenzene	144000	6.757			
3114-55-4	Chlorobenzene-d5	130000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	50900	12.024			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	TB03042025	SDG No.:	Q1488
Lab Sample ID:	Q1488-15	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045149.D	1		03/05/25 17:52	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q1488**

Client: **Portal Partners Tri-Venture**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1488-01	ENV-101-SB01	1,2-Dichloroethane-d4	50	65.1	130	70 (63)	130 (155)
		Dibromofluoromethane	50	52.5	105	70 (70)	130 (134)
		Toluene-d8	50	48.8	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.9	92	70 (38)	130 (136)
Q1488-03	ENV-101-SB02	1,2-Dichloroethane-d4	50	60.7	121	70 (63)	130 (155)
		Dibromofluoromethane	50	51.7	103	70 (70)	130 (134)
		Toluene-d8	50	48.8	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.8	86	70 (38)	130 (136)
Q1488-05	ENV-102-SB01	1,2-Dichloroethane-d4	50	64.0	128	70 (63)	130 (155)
		Dibromofluoromethane	50	52.7	105	70 (70)	130 (134)
		Toluene-d8	50	49.2	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.3	93	70 (38)	130 (136)
Q1488-07	ENV-102-SB02	1,2-Dichloroethane-d4	50	56.9	114	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	47.9	96	70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.0	84	70 (38)	130 (136)
Q1488-09	ENV-104-SB01	1,2-Dichloroethane-d4	50	55.9	112	70 (63)	130 (155)
		Dibromofluoromethane	50	52.3	105	70 (70)	130 (134)
		Toluene-d8	50	48.5	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	33.0	66 *	70 (38)	130 (136)
Q1488-11	ENV-104-SB02	1,2-Dichloroethane-d4	50	55.2	110	70 (63)	130 (155)
		Dibromofluoromethane	50	52.2	104	70 (70)	130 (134)
		Toluene-d8	50	44.3	89	70 (74)	130 (123)
		4-Bromofluorobenzene	50	26.3	53 *	70 (38)	130 (136)
VY0306SBL01	VY0306SBL01	1,2-Dichloroethane-d4	50	58.5	117	70 (63)	130 (155)
		Dibromofluoromethane	50	51.1	102	70 (70)	130 (134)
		Toluene-d8	50	48.6	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	43.6	87	70 (38)	130 (136)
VY0306SBS01	VY0306SBS01	1,2-Dichloroethane-d4	50	53.2	106	70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100	70 (70)	130 (134)
		Toluene-d8	50	49.5	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.8	102	70 (38)	130 (136)
VY0306SBSD01	VY0306SBSD01	1,2-Dichloroethane-d4	50	55.0	110	70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104	70 (70)	130 (134)
		Toluene-d8	50	51.4	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.6	105	70 (38)	130 (136)
VY0307SBL01	VY0307SBL01	1,2-Dichloroethane-d4	50	55.4	111	70 (63)	130 (155)
		Dibromofluoromethane	50	50.2	100	70 (70)	130 (134)
		Toluene-d8	50	48.5	97	70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.1	80	70 (38)	130 (136)
VY0307SBS01	VY0307SBS01	1,2-Dichloroethane-d4	50	53.1	106	70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104	70 (70)	130 (134)
		Toluene-d8	50	51.9	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.9	102	70 (38)	130 (136)

Surrogate Summary

SDG No.: **Q1488**

Client: **Portal Partners Tri-Venture**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	High
Q1488-13	ENV-102-GW01	1,2-Dichloroethane-d4	50	53.0	106	70 (74)	130 (125)
		Dibromofluoromethane	50	51.2	102	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.3	109	70 (77)	130 (121)
Q1488-14	ENV-104-GW01	1,2-Dichloroethane-d4	50	51.8	104	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.3	103	70 (77)	130 (121)
Q1488-14DL	ENV-104-GW01DL	1,2-Dichloroethane-d4	50	52.0	104	70 (74)	130 (125)
		Dibromofluoromethane	50	53.1	106	70 (75)	130 (124)
		Toluene-d8	50	53.4	107	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104	70 (77)	130 (121)
Q1488-15	TB03042025	1,2-Dichloroethane-d4	50	53.4	107	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	51.4	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100	70 (77)	130 (121)
VX0305WBL01	VX0305WBL01	1,2-Dichloroethane-d4	50	52.7	105	70 (74)	130 (125)
		Dibromofluoromethane	50	51.0	102	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.5	103	70 (77)	130 (121)
VX0305WBS01	VX0305WBS01	1,2-Dichloroethane-d4	50	48.4	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.3	99	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.5	99	70 (77)	130 (121)
VX0305WBSD0	VX0305WBSD01	1,2-Dichloroethane-d4	50	49.3	99	70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.2	102	70 (77)	130 (121)
VX0306WBL01	VX0306WBL01	1,2-Dichloroethane-d4	50	53.9	108	70 (74)	130 (125)
		Dibromofluoromethane	50	52.4	105	70 (75)	130 (124)
		Toluene-d8	50	52.3	105	70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104	70 (77)	130 (121)
VX0306WBS01	VX0306WBS01	1,2-Dichloroethane-d4	50	50.2	100	70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102	70 (75)	130 (124)
		Toluene-d8	50	50.3	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.2	98	70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Datafile : VX045130.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0305WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			40 (69)	160 (116)	
	Chloromethane	20	17.2	ug/L	86			40 (65)	160 (116)	
	Vinyl chloride	20	16.6	ug/L	83			70 (65)	130 (117)	
	Bromomethane	20	17.0	ug/L	85			40 (58)	160 (125)	
	Chloroethane	20	15.5	ug/L	78			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.1	ug/L	91			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.5	ug/L	88			70 (74)	130 (110)	
	Acetone	100	83.6	ug/L	84			40 (60)	160 (125)	
	Carbon disulfide	20	16.0	ug/L	80			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.2	ug/L	86			70 (78)	130 (114)	
	Methyl Acetate	20	18.4	ug/L	92			70 (67)	130 (125)	
	Methylene Chloride	20	17.2	ug/L	86			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.2	ug/L	91			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.5	ug/L	88			70 (78)	130 (112)	
	Cyclohexane	20	18.5	ug/L	93			70 (75)	130 (110)	
	2-Butanone	100	88.4	ug/L	88			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.0	ug/L	90			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	17.7	ug/L	89			70 (77)	130 (110)	
	Bromochloromethane	20	21.1	ug/L	106			70 (70)	130 (124)	
	Chloroform	20	17.6	ug/L	88			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			70 (80)	130 (108)	
	Methylcyclohexane	20	19.1	ug/L	96			70 (72)	130 (115)	
	Benzene	20	18.2	ug/L	91			70 (82)	130 (109)	
	1,2-Dichloroethane	20	17.8	ug/L	89			70 (80)	130 (115)	
	Trichloroethene	20	17.5	ug/L	88			70 (77)	130 (113)	
	1,2-Dichloropropane	20	17.5	ug/L	88			70 (83)	130 (111)	
	Bromodichloromethane	20	17.8	ug/L	89			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	89.5	ug/L	90			40 (74)	160 (118)	
	Toluene	20	18.4	ug/L	92			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	17.8	ug/L	89			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.3	ug/L	92			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	17.8	ug/L	89			70 (83)	130 (112)	
	2-Hexanone	100	89.1	ug/L	89			40 (73)	160 (117)	
	Dibromochloromethane	20	17.1	ug/L	86			70 (82)	130 (110)	
	1,2-Dibromoethane	20	17.9	ug/L	90			70 (81)	130 (110)	
	Tetrachloroethene	20	18.5	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	Ethyl Benzene	20	18.5	ug/L	93			70 (83)	130 (109)	
	m/p-Xylenes	40	38.3	ug/L	96			70 (82)	130 (110)	
	o-Xylene	20	18.5	ug/L	93			70 (83)	130 (109)	
	Styrene	20	18.4	ug/L	92			70 (80)	130 (111)	
	Bromoform	20	17.5	ug/L	88			70 (79)	130 (109)	
	Isopropylbenzene	20	18.5	ug/L	93			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.4	ug/L	92			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Datafile : VX045130.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0305WBS01	1,2-Dibromo-3-Chloropropane	20	16.8	ug/L	84			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Datafile : VX045135.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0305WBSD01	Dichlorodifluoromethane	20	19.4	ug/L	97	12		40 (69)	160 (116)	20 (20)
	Chloromethane	20	19.1	ug/L	96	11		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.1	ug/L	91	9		70 (65)	130 (117)	20 (20)
	Bromomethane	20	17.8	ug/L	89	5		40 (58)	160 (125)	20 (20)
	Chloroethane	20	16.0	ug/L	80	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.6	ug/L	93	2		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/L	102	6		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.1	ug/L	96	9		70 (74)	130 (110)	20 (20)
	Acetone	100	92.8	ug/L	93	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	15.9	ug/L	79	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.3	ug/L	97	12		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	20.6	ug/L	103	11		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.1	ug/L	96	11		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.9	ug/L	100	9		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.6	ug/L	98	11		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	19.9	ug/L	100	7		70 (75)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	13		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	18.1	ug/L	91	1		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	19.7	ug/L	99	11		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	22.2	ug/L	111	5		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.3	ug/L	97	10		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.0	ug/L	95	7		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	21.1	ug/L	106	10		70 (72)	130 (115)	20 (20)
	Benzene	20	19.8	ug/L	99	8		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.6	ug/L	98	10		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.5	ug/L	93	6		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.4	ug/L	97	10		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	18.6	ug/L	93	4		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	100	ug/L	100	11		40 (74)	160 (118)	20 (20)
	Toluene	20	20.7	ug/L	104	12		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	18.9	ug/L	95	7		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	6		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	19.9	ug/L	100	12		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	100	ug/L	100	12		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	18.5	ug/L	93	8		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.0	ug/L	95	5		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.8	ug/L	99	6		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.5	ug/L	98	5		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	20.0	ug/L	100	7		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	41.6	ug/L	104	8		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.9	ug/L	100	7		70 (83)	130 (109)	20 (20)
	Styrene	20	20.1	ug/L	101	9		70 (80)	130 (111)	20 (20)
	Bromoform	20	17.2	ug/L	86	2		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.2	ug/L	101	8		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98	11		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.3	ug/L	102	10		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.7	ug/L	99	8		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	20.2	ug/L	101	10		70 (82)	130 (109)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Datafile : VX045135.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0305WBSD01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/L	92	9		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	20.0	ug/L	100	11		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	20.1	ug/L	101	7		70 (76)	130 (114)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Datafile : VX045158.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0306WBS01	Dichlorodifluoromethane	20	20.7	ug/L	104			40 (69)	160 (116)	
	Chloromethane	20	19.1	ug/L	96			40 (65)	160 (116)	
	Vinyl chloride	20	19.4	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	18.9	ug/L	95			40 (58)	160 (125)	
	Chloroethane	20	17.4	ug/L	87			40 (56)	160 (128)	
	Trichlorofluoromethane	20	21.0	ug/L	105			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	23.0	ug/L	115			70 (80)	130 (112)	
	1,1-Dichloroethene	20	21.3	ug/L	106			70 (74)	130 (110)	
	Acetone	100	98.2	ug/L	98			40 (60)	160 (125)	
	Carbon disulfide	20	17.8	ug/L	89			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.7	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	22.5	ug/L	113			70 (67)	130 (125)	
	Methylene Chloride	20	20.1	ug/L	101			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	22.0	ug/L	110			70 (75)	130 (108)	
	1,1-Dichloroethane	20	21.0	ug/L	105			70 (78)	130 (112)	
	Cyclohexane	20	22.1	ug/L	111			70 (75)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.5	ug/L	103			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	21.2	ug/L	106			70 (77)	130 (110)	
	Bromochloromethane	20	18.1	ug/L	91			70 (70)	130 (124)	
	Chloroform	20	21.2	ug/L	106			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	21.1	ug/L	106			70 (80)	130 (108)	
	Methylcyclohexane	20	22.9	ug/L	115			70 (72)	130 (115)	
	Benzene	20	21.5	ug/L	108			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.4	ug/L	107			70 (80)	130 (115)	
	Trichloroethene	20	20.8	ug/L	104			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.0	ug/L	105			70 (83)	130 (111)	
	Bromodichloromethane	20	20.8	ug/L	104			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	21.8	ug/L	109			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.4	ug/L	102			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	21.2	ug/L	106			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.2	ug/L	101			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	19.5	ug/L	98			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.3	ug/L	102			70 (81)	130 (110)	
	Tetrachloroethene	20	22.2	ug/L	111			70 (67)	130 (123)	
	Chlorobenzene	20	21.6	ug/L	108			70 (82)	130 (109)	
	Ethyl Benzene	20	21.7	ug/L	109			70 (83)	130 (109)	
	m/p-Xylenes	40	44.0	ug/L	110			70 (82)	130 (110)	
	o-Xylene	20	21.5	ug/L	108			70 (83)	130 (109)	
	Styrene	20	21.7	ug/L	109			70 (80)	130 (111)	
	Bromoform	20	19.4	ug/L	97			70 (79)	130 (109)	
	Isopropylbenzene	20	21.3	ug/L	106			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.8	ug/L	104			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.8	ug/L	104			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	20.7	ug/L	104			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	21.1	ug/L	106			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Datafile : VX045158.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0306WBS01	1,2-Dibromo-3-Chloropropane	20	20.4	ug/L	102			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	21.2	ug/L	106			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	21.6	ug/L	108			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VY021428.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0306SBS01	Dichlorodifluoromethane	20	18.0	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	20	20.3	ug/Kg	102			40 (70)	160 (130)	
	Vinyl chloride	20	20.0	ug/Kg	100			70 (72)	130 (129)	
	Bromomethane	20	21.8	ug/Kg	109			40 (58)	160 (141)	
	Chloroethane	20	21.0	ug/Kg	105			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.0	ug/Kg	100			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.1	ug/Kg	96			70 (79)	130 (121)	
	Acetone	100	79.7	ug/Kg	80			40 (60)	160 (131)	
	Carbon disulfide	20	18.7	ug/Kg	94			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.0	ug/Kg	100			70 (77)	130 (129)	
	Methyl Acetate	20	20.6	ug/Kg	103			70 (69)	130 (149)	
	Methylene Chloride	20	19.3	ug/Kg	97			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	Cyclohexane	20	18.5	ug/Kg	93			70 (76)	130 (122)	
	2-Butanone	100	93.5	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	18.5	ug/Kg	93			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	Bromochloromethane	20	20.7	ug/Kg	104			70 (80)	130 (127)	
	Chloroform	20	20.1	ug/Kg	101			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.2	ug/Kg	96			70 (80)	130 (126)	
	Methylcyclohexane	20	17.7	ug/Kg	89			70 (77)	130 (123)	
	Benzene	20	19.4	ug/Kg	97			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.2	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	18.8	ug/Kg	94			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	19.8	ug/Kg	99			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	19.2	ug/Kg	96			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	98.1	ug/Kg	98			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	18.3	ug/Kg	92			70 (83)	130 (125)	
	Chlorobenzene	20	18.6	ug/Kg	93			70 (84)	130 (122)	
	Ethyl Benzene	20	17.8	ug/Kg	89			70 (82)	130 (124)	
	m/p-Xylenes	40	36.6	ug/Kg	92			70 (83)	130 (124)	
	o-Xylene	20	18.2	ug/Kg	91			70 (83)	130 (123)	
	Styrene	20	18.6	ug/Kg	93			70 (82)	130 (124)	
	Bromoform	20	18.8	ug/Kg	94			70 (75)	130 (127)	
	Isopropylbenzene	20	17.1	ug/Kg	86			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/Kg	94			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.7	ug/Kg	89			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.0	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	18.2	ug/Kg	91			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VY021428.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0306SBS01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	17.3	ug/Kg	86			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	17.4	ug/Kg	87			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VY021429.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0306SBSD01	Dichlorodifluoromethane	20	19.7	ug/Kg	99	10		40 (64)	160 (136)	30 (20)
	Chloromethane	20	20.8	ug/Kg	104	2		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	21.0	ug/Kg	105	5		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.9	ug/Kg	104	5		40 (58)	160 (141)	30 (20)
	Chloroethane	20	22.2	ug/Kg	111	6		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.8	ug/Kg	104	4		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/Kg	99	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.1	ug/Kg	101	5		70 (79)	130 (121)	30 (20)
	Acetone	100	83.1	ug/Kg	83	4		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.5	ug/Kg	98	4		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102	2		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	21.3	ug/Kg	106	3		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	20.4	ug/Kg	102	5		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101	5		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.5	ug/Kg	103	2		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	18.8	ug/Kg	94	1		70 (76)	130 (122)	30 (20)
	2-Butanone	100	95.3	ug/Kg	95	1		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	18.7	ug/Kg	94	1		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	19.2	ug/Kg	96	8		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.3	ug/Kg	106	5		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100	4		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	18.2	ug/Kg	91	2		70 (77)	130 (123)	30 (20)
	Benzene	20	19.9	ug/Kg	100	3		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.4	ug/Kg	102	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.0	ug/Kg	95	1		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.5	ug/Kg	103	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.2	ug/Kg	101	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	0		40 (70)	160 (135)	30 (20)
	Toluene	20	19.7	ug/Kg	99	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.4	ug/Kg	102	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	96.5	ug/Kg	97	1		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.9	ug/Kg	100	0		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.0	ug/Kg	100	0		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.8	ug/Kg	94	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	19.2	ug/Kg	96	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	18.6	ug/Kg	93	4		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	37.8	ug/Kg	95	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	18.8	ug/Kg	94	3		70 (83)	130 (123)	30 (20)
	Styrene	20	19.5	ug/Kg	98	5		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.6	ug/Kg	98	4		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	18.2	ug/Kg	91	6		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.0	ug/Kg	95	1		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	18.5	ug/Kg	93	4		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	19.0	ug/Kg	95	5		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	19.2	ug/Kg	96	5		70 (83)	130 (124)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VY021429.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0306SBSD01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/Kg	96	1		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	18.7	ug/Kg	94	9		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	18.8	ug/Kg	94	8		70 (70)	130 (137)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VY021453.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0307SBS01	Dichlorodifluoromethane	20	19.5	ug/Kg	98			40 (64)	160 (136)	
	Chloromethane	20	20.2	ug/Kg	101			40 (70)	160 (130)	
	Vinyl chloride	20	20.7	ug/Kg	104			70 (72)	130 (129)	
	Bromomethane	20	20.6	ug/Kg	103			40 (58)	160 (141)	
	Chloroethane	20	21.5	ug/Kg	108			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.9	ug/Kg	110			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.4	ug/Kg	97			70 (79)	130 (121)	
	Acetone	100	120	ug/Kg	120			40 (60)	160 (131)	
	Carbon disulfide	20	18.9	ug/Kg	95			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97			70 (77)	130 (129)	
	Methyl Acetate	20	20.5	ug/Kg	103			70 (69)	130 (149)	
	Methylene Chloride	20	20.6	ug/Kg	103			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	Cyclohexane	20	18.9	ug/Kg	95			70 (76)	130 (122)	
	2-Butanone	100	110	ug/Kg	110			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.4	ug/Kg	97			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.0	ug/Kg	95			70 (82)	130 (123)	
	Bromochloromethane	20	19.2	ug/Kg	96			70 (80)	130 (127)	
	Chloroform	20	19.9	ug/Kg	100			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.7	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	18.8	ug/Kg	94			70 (77)	130 (123)	
	Benzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			70 (81)	130 (126)	
	Trichloroethene	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	Bromodichloromethane	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	19.6	ug/Kg	98			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	19.4	ug/Kg	97			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			70 (80)	130 (125)	
	Tetrachloroethene	20	19.6	ug/Kg	98			70 (83)	130 (125)	
	Chlorobenzene	20	19.0	ug/Kg	95			70 (84)	130 (122)	
	Ethyl Benzene	20	19.1	ug/Kg	96			70 (82)	130 (124)	
	m/p-Xylenes	40	38.9	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.1	ug/Kg	96			70 (83)	130 (123)	
	Styrene	20	19.3	ug/Kg	97			70 (82)	130 (124)	
	Bromoform	20	20.1	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	18.9	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.6	ug/Kg	98			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	18.8	ug/Kg	94			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.1	ug/Kg	96			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.0	ug/Kg	95			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Datafile : VY021453.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0307SBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.0	ug/Kg	90			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			70 (70)	130 (137)	

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0305WBL01

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1488

SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045129.D

Lab Sample ID: VX0305WBL01

Date Analyzed: 03/05/2025

Time Analyzed: 10:03

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
VX0305WBS01	VX0305WBS01	VX045130.D	03/05/2025
VX0305WBSD01	VX0305WBSD01	VX045135.D	03/05/2025
TB03042025	Q1488-15	VX045149.D	03/05/2025
ENV-102-GW01	Q1488-13	VX045150.D	03/05/2025
ENV-104-GW01	Q1488-14	VX045151.D	03/05/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0306WBL01

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1488

SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VX045157.D

Lab Sample ID: VX0306WBL01

Date Analyzed: 03/06/2025

Time Analyzed: 10:46

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
VX0306WBS01	VX0306WBS01	VX045158.D	03/06/2025
ENV-104-GW01DL	Q1488-14DL	VX045161.D	03/06/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0306SBL01

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1488

SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VY021427.D

Lab Sample ID: VY0306SBL01

Date Analyzed: 03/06/2025

Time Analyzed: 11:59

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0306SBS01	VY0306SBS01	VY021428.D	03/06/2025
VY0306SBSD01	VY0306SBSD01	VY021429.D	03/06/2025
ENV-101-SB01	Q1488-01	VY021435.D	03/06/2025
ENV-101-SB02	Q1488-03	VY021436.D	03/06/2025
ENV-102-SB01	Q1488-05	VY021437.D	03/06/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0307SBL01

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1488

SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: VY021452.D

Lab Sample ID: VY0307SBL01

Date Analyzed: 03/07/2025

Time Analyzed: 10:35

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0307SBS01	VY0307SBS01	VY021453.D	03/07/2025
ENV-102-SB02	Q1488-07	VY021459.D	03/07/2025
ENV-104-SB01	Q1488-09	VY021460.D	03/07/2025
ENV-104-SB02	Q1488-11	VY021461.D	03/07/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
Lab File ID: VX045067.D BFB Injection Date: 02/28/2025
Instrument ID: MSVOA_X BFB Injection Time: 01:03
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	20.7
75	30.0 - 60.0% of mass 95	53.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.3 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX045068.D	02/28/2025	01:27
VSTDIC005	VSTDIC005	VX045069.D	02/28/2025	02:13
VSTDIC020	VSTDIC020	VX045070.D	02/28/2025	02:37
VSTDIC050	VSTDIC050	VX045071.D	02/28/2025	03:00
VSTDIC100	VSTDIC100	VX045072.D	02/28/2025	03:23
VSTDIC150	VSTDIC150	VX045073.D	02/28/2025	03:47

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
Lab File ID: VX045126.D BFB Injection Date: 03/05/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:40
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	21
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	77
175	5.0 - 9.0% of mass 174	5.1 (6.7) 1
176	95.0 - 101.0% of mass 174	73.3 (95.1) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045127.D	03/05/2025	09:12
VX0305WBL01	VX0305WBL01	VX045129.D	03/05/2025	10:03
VX0305WBS01	VX0305WBS01	VX045130.D	03/05/2025	10:26
VX0305WBSD01	VX0305WBSD01	VX045135.D	03/05/2025	12:26
TB03042025	Q1488-15	VX045149.D	03/05/2025	17:52
ENV-102-GW01	Q1488-13	VX045150.D	03/05/2025	18:15
ENV-104-GW01	Q1488-14	VX045151.D	03/05/2025	18:38

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
Lab File ID: VX045154.D BFB Injection Date: 03/06/2025
Instrument ID: MSVOA_X BFB Injection Time: 09:09
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	21.5
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	70.6
175	5.0 - 9.0% of mass 174	5.3 (7.5) 1
176	95.0 - 101.0% of mass 174	67.9 (96.1) 1
177	5.0 - 9.0% of mass 176	4.5 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX045155.D	03/06/2025	09:56
VX0306WBL01	VX0306WBL01	VX045157.D	03/06/2025	10:46
VX0306WBS01	VX0306WBS01	VX045158.D	03/06/2025	11:10
ENV-104-GW01DL	Q1488-14DL	VX045161.D	03/06/2025	12:23

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
Lab File ID: VY021395.D BFB Injection Date: 03/04/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:52
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	54.3
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	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	75.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC010	VSTDIC010	VY021397.D	03/04/2025	09:46
VSTDIC020	VSTDIC020	VY021398.D	03/04/2025	10:09
VSTDIC050	VSTDIC050	VY021399.D	03/04/2025	10:30
VSTDIC100	VSTDIC100	VY021400.D	03/04/2025	11:06
VSTDIC150	VSTDIC150	VY021401.D	03/04/2025	11:29
VSTDIC005	VSTDIC005	VY021403.D	03/04/2025	12:15

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
Lab File ID: VY021425.D BFB Injection Date: 03/06/2025
Instrument ID: MSVOA_Y BFB Injection Time: 09:39
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	54
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	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	82.3
175	5.0 - 9.0% of mass 174	6.2 (7.5) 1
176	95.0 - 101.0% of mass 174	79.6 (96.8) 1
177	5.0 - 9.0% of mass 176	5.7 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021426.D	03/06/2025	10:10
VY0306SBL01	VY0306SBL01	VY021427.D	03/06/2025	11:59
VY0306SBS01	VY0306SBS01	VY021428.D	03/06/2025	12:33
VY0306SBSD01	VY0306SBSD01	VY021429.D	03/06/2025	12:55
ENV-101-SB01	Q1488-01	VY021435.D	03/06/2025	15:25
ENV-101-SB02	Q1488-03	VY021436.D	03/06/2025	15:49
ENV-102-SB01	Q1488-05	VY021437.D	03/06/2025	16:12

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
Lab File ID: VY021450.D BFB Injection Date: 03/07/2025
Instrument ID: MSVOA_Y BFB Injection Time: 09:27
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.7
75	30.0 - 60.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.3 (1.6) 1
174	50.0 - 100.0% of mass 95	81.7
175	5.0 - 9.0% of mass 174	6.7 (8.1) 1
176	95.0 - 101.0% of mass 174	77.6 (95) 1
177	5.0 - 9.0% of mass 176	5.3 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021451.D	03/07/2025	09:59
VY0307SBL01	VY0307SBL01	VY021452.D	03/07/2025	10:35
VY0307SBS01	VY0307SBS01	VY021453.D	03/07/2025	12:03
ENV-102-SB02	Q1488-07	VY021459.D	03/07/2025	14:28
ENV-104-SB01	Q1488-09	VY021460.D	03/07/2025	14:52
ENV-104-SB02	Q1488-11	VY021461.D	03/07/2025	15:15

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
Lab File ID: VX045127.D Date Analyzed: 03/05/2025
Instrument ID: MSVOA_X Time Analyzed: 09:12
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	112291	5.54	190470	6.75	164207	10.05
UPPER LIMIT	224582	6.044	380940	7.251	328414	10.549
LOWER LIMIT	56145.5	5.044	95235	6.251	82103.5	9.549
EPA SAMPLE NO.						
ENV-102-GW01	72598	5.54	143720	6.76	132869	10.05
ENV-104-GW01	79416	5.54	156296	6.76	141923	10.06
TB03042025	72831	5.54	143614	6.76	130232	10.06
VX0305WBL01	68143	5.54	136785	6.76	125445	10.05
VX0305WBS01	98769	5.54	177910	6.76	153160	10.06
VX0305WBSD01	104383	5.55	188951	6.76	167692	10.05

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
 Lab File ID: VX045127.D Date Analyzed: 03/05/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:12
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	74481	12.018				
UPPER LIMIT	148962	12.518				
LOWER LIMIT	37240.5	11.518				
EPA SAMPLE NO.						
ENV-102-GW01	57679	12.02				
ENV-104-GW01	59794	12.02				
TB03042025	50863	12.02				
VX0305WBL01	50961	12.02				
VX0305WBS01	68669	12.02				
VX0305WBSD01	73577	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
 Lab File ID: VX045155.D Date Analyzed: 03/06/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:56
 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	99532	5.54	175834	6.76	153746	10.05
UPPER LIMIT	199064	6.044	351668	7.257	307492	10.549
LOWER LIMIT	49766	5.044	87917	6.257	76873	9.549
EPA SAMPLE NO.						
ENV-104-GW01DL	70228	5.55	133297	6.76	124634	10.05
VX0306WBL01	71177	5.54	139793	6.76	129041	10.05
VX0306WBS01	97102	5.54	175752	6.76	147757	10.05

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
 Lab File ID: VX045155.D Date Analyzed: 03/06/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:56
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	69403	12.018				
UPPER LIMIT	138806	12.518				
LOWER LIMIT	34701.5	11.518				
EPA SAMPLE NO.						
ENV-104-GW01DL	48192	12.02				
VX0306WBL01	53719	12.02				
VX0306WBS01	67123	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
Lab File ID: VY021426.D Date Analyzed: 03/06/2025
Instrument ID: MSVOA_Y Time Analyzed: 10:10
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	228274	7.71	348529	8.61	321426	11.41
UPPER LIMIT	456548	8.207	697058	9.11	642852	11.914
LOWER LIMIT	114137	7.207	174265	8.11	160713	10.914
EPA SAMPLE NO.						
ENV-101-SB01	242903	7.71	455891	8.62	410551	11.41
ENV-101-SB02	234226	7.71	429130	8.62	377679	11.41
ENV-102-SB01	245112	7.71	450789	8.62	408673	11.41
VY0306SBL01	249443	7.71	460921	8.62	405928	11.42
VY0306SBS01	200172	7.71	318431	8.62	292608	11.42
VY0306SBSD01	197190	7.71	317024	8.62	284896	11.41

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
 Lab File ID: VY021426.D Date Analyzed: 03/06/2025
 Instrument ID: MSVOA_Y Time Analyzed: 10:10
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	168733	13.346				
UPPER LIMIT	337466	13.846				
LOWER LIMIT	84366.5	12.846				
EPA SAMPLE NO.						
ENV-101-SB01	166037	13.35				
ENV-101-SB02	143740	13.35				
ENV-102-SB01	161699	13.35				
VY0306SBL01	156000	13.35				
VY0306SBS01	152176	13.35				
VY0306SBSD01	145541	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
 Lab File ID: VY021451.D Date Analyzed: 03/07/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:59
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	212653	7.71	324643	8.62	291936	11.42
UPPER LIMIT	425306	8.207	649286	9.116	583872	11.92
LOWER LIMIT	106327	7.207	162322	8.116	145968	10.92
EPA SAMPLE NO.						
ENV-102-SB02	280904	7.71	508130	8.62	440256	11.41
ENV-104-SB01	272187	7.71	479219	8.62	375437	11.41
ENV-104-SB02	263229	7.71	450669	8.62	301719	11.41
VY0307SBL01	247432	7.71	455944	8.62	386511	11.42
VY0307SBS01	219868	7.71	343563	8.62	301562	11.42

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488
 Lab File ID: VY021451.D Date Analyzed: 03/07/2025
 Instrument ID: MSVOA_Y Time Analyzed: 09:59
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	151541	13.353				
UPPER LIMIT	303082	13.853				
LOWER LIMIT	75770.5	12.853				
EPA SAMPLE NO.						
ENV-102-SB02	168898	13.35				
ENV-104-SB01	106159	13.35				
ENV-104-SB02	63186 *	13.35				
VY0307SBL01	140975	13.35				
VY0307SBS01	152803	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

* Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBL01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045129.D	1		03/05/25 10:03	VX030525

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBL01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045129.D	1		03/05/25 10:03	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68100	5.544			
540-36-3	1,4-Difluorobenzene	137000	6.757			
3114-55-4	Chlorobenzene-d5	125000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	51000	12.018			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VX0305WBL01		SDG No.:	Q1488
Lab Sample ID:	VX0305WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045129.D	1		03/05/25 10:03	VX030525

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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VX0306WBL01		SDG No.:	Q1488
Lab Sample ID:	VX0306WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045157.D	1		03/06/25 10:46	VX030625

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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VX0306WBL01		SDG No.:	Q1488
Lab Sample ID:	VX0306WBL01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045157.D	1		03/06/25 10:46	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	52.3		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (77) - 130 (121)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	71200	5.544			
540-36-3	1,4-Difluorobenzene	140000	6.757			
3114-55-4	Chlorobenzene-d5	129000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	53700	12.024			

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0306WBL01	SDG No.:	Q1488
Lab Sample ID:	VX0306WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045157.D	1		03/06/25 10:46	VX030625

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBL01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

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

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0306SBL01		SDG No.:	Q1488
Lab Sample ID:	VY0306SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.4		70 (63) - 130 (155)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.6		70 (38) - 130 (136)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	249000	7.707			
540-36-3	1,4-Difluorobenzene	461000	8.616			
3114-55-4	Chlorobenzene-d5	406000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.352			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0306SBL01		SDG No.:	Q1488
Lab Sample ID:	VY0306SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021427.D	1		03/06/25 11:59	VY030625

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0307SBL01	SDG No.:	Q1488
Lab Sample ID:	VY0307SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021452.D	1		03/07/25 10:35	VY030725

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0307SBL01	SDG No.:	Q1488
Lab Sample ID:	VY0307SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021452.D	1		03/07/25 10:35	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	48.5		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.1		70 (38) - 130 (136)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	7.707			
540-36-3	1,4-Difluorobenzene	456000	8.616			
3114-55-4	Chlorobenzene-d5	387000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.352			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0307SBL01		SDG No.:	Q1488
Lab Sample ID:	VY0307SBL01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021452.D	1		03/07/25 10:35	VY030725

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBS01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045130.D	1		03/05/25 10:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.21	1.00	ug/L
74-87-3	Chloromethane	17.2		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.34	1.00	ug/L
74-83-9	Bromomethane	17.0		1.40	5.00	ug/L
75-00-3	Chloroethane	15.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.1		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
67-64-1	Acetone	83.6		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.0		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.4		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.2		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.5		1.60	5.00	ug/L
78-93-3	2-Butanone	88.4		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	17.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.1		0.18	1.00	ug/L
67-66-3	Chloroform	17.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	17.8		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.1		0.19	1.00	ug/L
71-43-2	Benzene	18.2		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	17.8		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	17.5		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	17.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	89.5		0.75	5.00	ug/L
108-88-3	Toluene	18.4		0.18	1.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025			Date Received:	
Client Sample ID:	VX0305WBS01			SDG No.:	Q1488
Lab Sample ID:	VX0305WBS01			Matrix:	Water
Analytical Method:	SW8260			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045130.D	1		03/05/25 10:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.8		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.3		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	17.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	89.1		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	17.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.9		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	38.3		0.31	2.00	ug/L
95-47-6	o-Xylene	18.5		0.14	1.00	ug/L
100-42-5	Styrene	18.4		0.16	1.00	ug/L
75-25-2	Bromoform	17.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	18.5		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.2		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.8		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	98800	5.544			
540-36-3	1,4-Difluorobenzene	178000	6.757			
3114-55-4	Chlorobenzene-d5	153000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	68700	12.018			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VX0305WBS01		SDG No.:	Q1488
Lab Sample ID:	VX0305WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045130.D	1		03/05/25 10:26	VX030525

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0306WBS01	SDG No.:	Q1488
Lab Sample ID:	VX0306WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045158.D	1		03/06/25 11:10	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.7		0.21	1.00	ug/L
74-87-3	Chloromethane	19.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.34	1.00	ug/L
74-83-9	Bromomethane	18.9		1.40	5.00	ug/L
75-00-3	Chloroethane	17.4		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	23.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.3		0.26	1.00	ug/L
67-64-1	Acetone	98.2		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.5		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	22.0		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	22.1		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	18.1		0.18	1.00	ug/L
67-66-3	Chloroform	21.2		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.1		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	22.9		0.19	1.00	ug/L
71-43-2	Benzene	21.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	20.8		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	21.8		0.18	1.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VX0306WBS01		SDG No.:	Q1488
Lab Sample ID:	VX0306WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045158.D	1		03/06/25 11:10	VX030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.2		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	21.6		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	21.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	44.0		0.31	2.00	ug/L
95-47-6	o-Xylene	21.5		0.14	1.00	ug/L
100-42-5	Styrene	21.7		0.16	1.00	ug/L
75-25-2	Bromoform	19.4		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	21.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.8		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.8		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.7		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.4		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.2		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.6		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	97100	5.544			
540-36-3	1,4-Difluorobenzene	176000	6.757			
3114-55-4	Chlorobenzene-d5	148000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	67100	12.024			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VX0306WBS01		SDG No.:	Q1488
Lab Sample ID:	VX0306WBS01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045158.D	1		03/06/25 11:10	VX030625

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBS01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.0		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.78	5.00	ug/Kg
67-64-1	Acetone	79.7		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.0		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.6		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.2		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.69	5.00	ug/Kg
78-93-3	2-Butanone	93.5		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.5		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.7		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.7		0.87	5.00	ug/Kg
71-43-2	Benzene	19.4		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.2		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.8		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.2		0.67	5.00	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBS01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.1		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.3		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	36.6		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.2		0.70	5.00	ug/Kg
100-42-5	Styrene	18.6		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.8		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.1		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.7		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.0		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.2		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.4		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.2		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		70 (38) - 130 (136)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	7.707			
540-36-3	1,4-Difluorobenzene	318000	8.616			
3114-55-4	Chlorobenzene-d5	293000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0306SBS01		SDG No.:	Q1488
Lab Sample ID:	VY0306SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021428.D	1		03/06/25 12:33	VY030625

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0307SBS01	SDG No.:	Q1488
Lab Sample ID:	VY0307SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021453.D	1		03/07/25 12:03	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.5		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.2		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.5		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.9		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.4		0.78	5.00	ug/Kg
67-64-1	Acetone	120		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.4		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.5		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.6		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.6		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.7		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.9		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.4		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.8		0.87	5.00	ug/Kg
71-43-2	Benzene	19.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.8		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.1		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.6		0.67	5.00	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0307SBS01		SDG No.:	Q1488
Lab Sample ID:	VY0307SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021453.D	1		03/07/25 12:03	VY030725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.5		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.0		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.1		0.70	5.00	ug/Kg
100-42-5	Styrene	19.3		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.9		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.0		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.9		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (38) - 130 (136)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.707			
540-36-3	1,4-Difluorobenzene	344000	8.616			
3114-55-4	Chlorobenzene-d5	302000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	153000	13.346			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0307SBS01		SDG No.:	Q1488
Lab Sample ID:	VY0307SBS01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021453.D	1		03/07/25 12:03	VY030725

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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		0.21	1.00	ug/L
74-87-3	Chloromethane	19.1		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.34	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	5.00	ug/L
75-00-3	Chloroethane	16.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.6		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	1.00	ug/L
67-64-1	Acetone	92.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	15.9		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.6		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.9		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.9		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	22.2		0.18	1.00	ug/L
67-66-3	Chloroform	19.3		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.1		0.19	1.00	ug/L
71-43-2	Benzene	19.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	18.6		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.75	5.00	ug/L
108-88-3	Toluene	20.7		0.18	1.00	ug/L

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VX0305WBSD01	SDG No.:	Q1488
Lab Sample ID:	VX0305WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045135.D	1		03/05/25 12:26	VX030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	41.6		0.31	2.00	ug/L
95-47-6	o-Xylene	19.9		0.14	1.00	ug/L
100-42-5	Styrene	20.1		0.16	1.00	ug/L
75-25-2	Bromoform	17.2		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.3		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.7		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.2		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.4		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.1		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	104000	5.55			
540-36-3	1,4-Difluorobenzene	189000	6.757			
3114-55-4	Chlorobenzene-d5	168000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	73600	12.018			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VX0305WBSD01		SDG No.:	Q1488
Lab Sample ID:	VX0305WBSD01		Matrix:	Water
Analytical Method:	SW8260		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045135.D	1		03/05/25 12:26	VX030525

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBSD01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021429.D	1		03/06/25 12:55	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		1.70	5.00	ug/Kg
74-87-3	Chloromethane	20.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	22.2		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		0.78	5.00	ug/Kg
67-64-1	Acetone	83.1		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.5		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.4		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.3		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.5		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.8		0.69	5.00	ug/Kg
78-93-3	2-Butanone	95.3		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	18.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.2		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.3		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.0		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.2		0.87	5.00	ug/Kg
71-43-2	Benzene	19.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	19.7		0.67	5.00	ug/Kg

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	VY0306SBSD01	SDG No.:	Q1488
Lab Sample ID:	VY0306SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021429.D	1		03/06/25 12:55	VY030625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.4		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	96.5		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.2		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.6		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	37.8		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.8		0.70	5.00	ug/Kg
100-42-5	Styrene	19.5		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.5		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.0		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.2		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.7		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		70 (38) - 130 (136)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	197000	7.707			
540-36-3	1,4-Difluorobenzene	317000	8.616			
3114-55-4	Chlorobenzene-d5	285000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.347			

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	
Client Sample ID:	VY0306SBSD01		SDG No.:	Q1488
Lab Sample ID:	VY0306SBSD01		Matrix:	SOIL
Analytical Method:	SW8260		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021429.D	1		03/06/25 12:55	VY030625

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

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

LAB FILE ID:								
RRF001 = VX045068.D			RRF005 = VX045069.D			RRF020 = VX045070.D		
RRF050 = VX045071.D			RRF100 = VX045072.D			RRF150 = VX045073.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.624	0.646	0.646	0.627	0.626	0.607	0.629	2.4
Chloromethane	0.755	0.821	0.828	0.753	0.721	0.744	0.770	5.7
Vinyl Chloride	0.773	0.755	0.774	0.761	0.765	0.758	0.764	1
Bromomethane		0.337	0.298	0.292	0.284	0.291	0.300	7
Chloroethane	0.373	0.421	0.366	0.373	0.297	0.286	0.352	14.5
Trichlorofluoromethane	0.978	1.061	1.050	1.050	0.982	0.948	1.012	4.7
1,1,2-Trichlorotrifluoroethane	0.526	0.613	0.595	0.594	0.596	0.563	0.581	5.4
1,1-Dichloroethene	0.609	0.620	0.612	0.623	0.620	0.603	0.614	1.3
Acetone	0.414	0.363	0.384	0.351	0.345	0.356	0.369	7
Carbon Disulfide	1.584	1.582	1.587	1.660	1.708	1.698	1.636	3.6
Methyl tert-butyl Ether	1.955	1.913	2.127	2.083	2.132	2.158	2.061	5
Methyl Acetate	0.954	0.835	0.903	0.867	0.869	0.899	0.888	4.6
Methylene Chloride	0.806	0.730	0.752	0.698	0.694	0.706	0.731	5.8
trans-1,2-Dichloroethene	0.540	0.619	0.603	0.631	0.634	0.616	0.607	5.7
1,1-Dichloroethane	1.200	1.223	1.280	1.242	1.270	1.264	1.247	2.5
Cyclohexane		1.021	1.087	1.108	1.142	1.052	1.082	4.3
2-Butanone	0.476	0.545	0.610	0.579	0.553	0.570	0.555	8.1
Carbon Tetrachloride	0.463	0.463	0.447	0.468	0.489	0.463	0.465	3
cis-1,2-Dichloroethene	0.687	0.746	0.765	0.762	0.767	0.769	0.749	4.2
Bromochloromethane	0.557	0.633	0.613	0.603	0.563	0.596	0.594	5
Chloroform	1.206	1.247	1.278	1.246	1.230	1.225	1.239	2
1,1,1-Trichloroethane	0.908	0.992	1.009	1.024	1.044	1.025	1.000	4.8
Methylcyclohexane	0.464	0.530	0.560	0.585	0.607	0.550	0.549	9.1
Benzene	1.321	1.459	1.491	1.496	1.497	1.424	1.448	4.7
1,2-Dichloroethane	0.487	0.525	0.545	0.528	0.524	0.520	0.521	3.6
Trichloroethene	0.319	0.351	0.339	0.341	0.354	0.336	0.340	3.7
1,2-Dichloropropane	0.354	0.378	0.382	0.371	0.376	0.373	0.372	2.7
Bromodichloromethane	0.478	0.503	0.536	0.524	0.528	0.528	0.516	4.2
4-Methyl-2-Pentanone	0.535	0.570	0.647	0.610	0.579	0.579	0.587	6.5
Toluene	0.716	0.872	0.892	0.898	0.874	0.845	0.849	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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

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

LAB FILE ID:		RRF001 = VX045068.D		RRF005 = VX045069.D		RRF020 = VX045070.D		
		RRF050 = VX045071.D		RRF100 = VX045072.D		RRF150 = VX045073.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.304	0.389	0.436	0.469	0.490	0.502	0.431	17.3
cis-1,3-Dichloropropene	0.404	0.463	0.509	0.535	0.555	0.553	0.503	11.8
1,1,2-Trichloroethane	0.346	0.348	0.371	0.356	0.341	0.336	0.350	3.6
2-Hexanone	0.349	0.412	0.476	0.448	0.431	0.436	0.425	10.1
Dibromochloromethane	0.305	0.349	0.390	0.384	0.385	0.380	0.366	9
1,2-Dibromoethane	0.311	0.352	0.371	0.356	0.355	0.350	0.349	5.7
Tetrachloroethene	0.315	0.326	0.319	0.324	0.329	0.309	0.320	2.3
Chlorobenzene	0.968	1.054	1.090	1.092	1.100	1.045	1.058	4.7
Ethyl Benzene	1.566	1.794	1.889	1.952	1.972	1.888	1.843	8.1
m/p-Xylenes	0.555	0.672	0.711	0.724	0.715	0.673	0.675	9.3
o-Xylene	0.609	0.689	0.702	0.706	0.707	0.670	0.681	5.5
Styrene	0.879	1.060	1.170	1.181	1.183	1.134	1.101	10.7
Bromoform	0.209	0.234	0.276	0.276	0.300	0.300	0.266	13.9
Isopropylbenzene	3.397	4.034	3.999	4.135	4.006	3.845	3.903	6.8
1,1,2,2-Tetrachloroethane	1.395	1.479	1.513	1.419	1.391	1.396	1.432	3.6
1,3-Dichlorobenzene	1.502	1.652	1.710	1.668	1.675	1.649	1.643	4.4
1,4-Dichlorobenzene	1.605	1.702	1.665	1.687	1.669	1.643	1.662	2.1
1,2-Dichlorobenzene	1.479	1.695	1.735	1.668	1.687	1.622	1.648	5.5
1,2-Dibromo-3-Chloropropane	0.237	0.243	0.285	0.289	0.300	0.320	0.279	11.6
1,2,4-Trichlorobenzene	0.668	0.821	0.978	1.009	1.074	1.080	0.938	17.3
1,2,3-Trichlorobenzene	0.747	0.897	1.032	1.059	1.107	1.096	0.990	14.2
1,2-Dichloroethane-d4		0.836	0.784	0.757	0.783	0.817	0.795	3.9
Dibromofluoromethane		0.329	0.335	0.329	0.340	0.338	0.334	1.5
Toluene-d8		1.237	1.191	1.210	1.219	1.203	1.212	1.4
4-Bromofluorobenzene		0.383	0.393	0.402	0.410	0.421	0.402	3.7

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID:		RRF010 = VY021397.D		RRF020 = VY021398.D		RRF050 = VY021399.D		
		RRF100 = VY021400.D		RRF150 = VY021401.D		RRF005 = VY021403.D		
COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD
Dichlorodifluoromethane	0.493	0.416	0.447	0.440	0.429	0.529	0.459	9.4
Chloromethane	0.694	0.588	0.617	0.608	0.580	0.793	0.647	12.7
Vinyl Chloride	0.762	0.639	0.691	0.706	0.665	0.778	0.707	7.7
Bromomethane	0.555	0.450	0.468	0.483	0.468	0.641	0.511	14.4
Chloroethane	0.505	0.427	0.460	0.458	0.432	0.521	0.467	8.2
Trichlorofluoromethane	1.050	0.896	0.967	0.963	0.935	1.109	0.987	8
1,1,2-Trichlorotrifluoroethane	0.600	0.507	0.538	0.542	0.525	0.668	0.563	10.7
1,1-Dichloroethene	0.542	0.460	0.506	0.512	0.494	0.566	0.514	7.2
Acetone	0.124	0.091	0.134	0.103	0.095	0.144	0.115	18.9
Carbon Disulfide	1.705	1.425	1.631	1.618	1.546	1.732	1.610	7
Methyl tert-butyl Ether	1.290	1.177	1.366	1.299	1.315	1.364	1.302	5.3
Methyl Acetate	0.253	0.227	0.284	0.245	0.257	0.268	0.256	7.6
Methylene Chloride	0.717	0.538	0.552	0.530	0.507	0.788	0.605	19.4
trans-1,2-Dichloroethene	0.608	0.516	0.564	0.570	0.545	0.648	0.575	8.1
1,1-Dichloroethane	1.124	0.955	1.050	1.035	0.991	1.179	1.056	7.9
Cyclohexane	1.039	0.885	0.941	0.943	0.914	1.216	0.990	12.4
2-Butanone	0.160	0.136	0.181	0.149	0.151	0.180	0.159	11.2
Carbon Tetrachloride	0.627	0.538	0.587	0.595	0.579	0.625	0.592	5.6
cis-1,2-Dichloroethene	0.675	0.592	0.654	0.658	0.639	0.702	0.653	5.6
Bromochloromethane	0.481	0.423	0.467	0.426	0.380	0.478	0.443	9
Chloroform	1.181	0.992	1.087	1.066	1.029	1.222	1.096	8.1
1,1,1-Trichloroethane	1.063	0.894	0.978	0.983	0.953	1.151	1.004	9
Methylcyclohexane	0.595	0.550	0.651	0.680	0.669	0.641	0.631	7.8
Benzene	1.554	1.366	1.542	1.540	1.473	1.618	1.515	5.7
1,2-Dichloroethane	0.446	0.386	0.436	0.414	0.408	0.453	0.424	6.1
Trichloroethene	0.390	0.349	0.381	0.384	0.378	0.415	0.383	5.5
1,2-Dichloropropane	0.371	0.333	0.368	0.358	0.347	0.388	0.361	5.3
Bromodichloromethane	0.550	0.485	0.548	0.535	0.521	0.559	0.533	5
4-Methyl-2-Pentanone	0.210	0.202	0.263	0.230	0.243	0.219	0.228	9.9
Toluene	0.952	0.853	0.988	0.997	0.958	0.983	0.955	5.6

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>PORT06</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1488</u>
Instrument ID:	<u>MSVOA_Y</u>	SAS No.:	<u>Q1488</u>
Heated Purge: (Y/N)	<u>Y</u>	SDG No.:	<u>Q1488</u>
GC Column:	<u>RXI-624</u>	Calibration Date(s):	<u>03/04/2025</u>
ID:	<u>0.25 (mm)</u>	Calibration Time(s):	<u>09:46</u>
			<u>12:15</u>

LAB FILE ID:								
RRF010 = VY021397.D			RRF020 = VY021398.D			RRF050 = VY021399.D		
RRF100 = VY021400.D			RRF150 = VY021401.D			RRF005 = VY021403.D		
COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	RRF	% RSD
t-1,3-Dichloropropene	0.447	0.420	0.499	0.495	0.495	0.461	0.470	6.8
cis-1,3-Dichloropropene	0.544	0.498	0.587	0.579	0.566	0.570	0.557	5.8
1,1,2-Trichloroethane	0.264	0.237	0.283	0.259	0.257	0.274	0.263	6
2-Hexanone	0.135	0.129	0.182	0.156	0.163	0.139	0.151	13.1
Dibromochloromethane	0.358	0.327	0.376	0.363	0.361	0.374	0.360	4.9
1,2-Dibromoethane	0.246	0.226	0.262	0.248	0.247	0.258	0.248	5.1
Tetrachloroethene	0.418	0.370	0.403	0.407	0.393	0.449	0.407	6.5
Chlorobenzene	1.194	1.065	1.186	1.192	1.165	1.283	1.181	5.9
Ethyl Benzene	2.005	1.825	2.135	2.209	2.146	2.115	2.072	6.7
m/p-Xylenes	0.761	0.705	0.822	0.833	0.803	0.797	0.787	6
o-Xylene	0.700	0.635	0.759	0.779	0.754	0.723	0.725	7.2
Styrene	1.133	1.084	1.277	1.306	1.267	1.151	1.203	7.6
Bromoform	0.227	0.213	0.250	0.237	0.238	0.235	0.233	5.3
Isopropylbenzene	3.797	3.468	4.034	4.231	4.124	3.977	3.939	6.9
1,1,2,2-Tetrachloroethane	0.712	0.637	0.727	0.667	0.690	0.737	0.695	5.4
1,3-Dichlorobenzene	1.861	1.640	1.812	1.840	1.822	2.031	1.834	6.8
1,4-Dichlorobenzene	1.820	1.624	1.782	1.783	1.764	1.989	1.794	6.5
1,2-Dichlorobenzene	1.561	1.431	1.588	1.568	1.560	1.723	1.572	5.9
1,2-Dibromo-3-Chloropropane	0.101	0.092	0.108	0.098	0.108	0.117	0.104	8.3
1,2,4-Trichlorobenzene	0.723	0.735	0.908	0.926	0.994	0.864	0.859	12.7
1,2,3-Trichlorobenzene	0.604	0.614	0.775	0.771	0.835	0.734	0.722	13
1,2-Dichloroethane-d4	0.580	0.514	0.482	0.511	0.477	0.606	0.528	10
Dibromofluoromethane	0.348	0.315	0.296	0.332	0.311	0.371	0.329	8.3
Toluene-d8	1.276	1.179	1.135	1.289	1.203	1.384	1.244	7.2
4-Bromofluorobenzene	0.424	0.394	0.386	0.433	0.405	0.498	0.423	9.6

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date/Time: 03/05/2025 09:12

Lab File ID: VX045127.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.611		-2.86	20
Chloromethane	0.770	0.671	0.1	-12.86	20
Vinyl Chloride	0.764	0.689		-9.82	20
Bromomethane	0.300	0.271		-9.67	20
Chloroethane	0.352	0.291		-17.33	20
Trichlorofluoromethane	1.012	0.938		-7.31	20
1,1,2-Trichlorotrifluoroethane	0.581	0.581		0	20
1,1-Dichloroethene	0.614	0.553		-9.94	20
Acetone	0.369	0.301		-18.43	20
Carbon Disulfide	1.636	1.452		-11.25	20
Methyl tert-butyl Ether	2.061	1.855		-9.99	20
Methyl Acetate	0.888	0.810		-8.78	20
Methylene Chloride	0.731	0.640		-12.45	20
trans-1,2-Dichloroethene	0.607	0.571		-5.93	20
1,1-Dichloroethane	1.247	1.123	0.1	-9.94	20
Cyclohexane	1.082	1.035		-4.34	20
2-Butanone	0.555	0.488		-12.07	20
Carbon Tetrachloride	0.465	0.457		-1.72	20
cis-1,2-Dichloroethene	0.749	0.684		-8.68	20
Bromochloromethane	0.594	0.559		-5.89	20
Chloroform	1.239	1.123		-9.36	20
1,1,1-Trichloroethane	1.000	0.923		-7.7	20
Methylcyclohexane	0.549	0.609		10.93	20
Benzene	1.448	1.416		-2.21	20
1,2-Dichloroethane	0.521	0.506		-2.88	20
Trichloroethene	0.340	0.338		-0.59	20
1,2-Dichloropropane	0.372	0.355		-4.57	20
Bromodichloromethane	0.516	0.512		-0.77	20
4-Methyl-2-Pentanone	0.587	0.550		-6.3	20
Toluene	0.849	0.858		1.06	20
t-1,3-Dichloropropene	0.431	0.464		7.66	20
cis-1,3-Dichloropropene	0.503	0.541		7.55	20
1,1,2-Trichloroethane	0.350	0.334		-4.57	20
2-Hexanone	0.425	0.404		-4.94	20
Dibromochloromethane	0.366	0.374		2.19	20
1,2-Dibromoethane	0.349	0.340		-2.58	20
Tetrachloroethene	0.320	0.328		2.5	20
Chlorobenzene	1.058	1.044	0.3	-1.32	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date/Time: 03/05/2025 09:12

Lab File ID: VX045127.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.877		1.85	20
m/p-Xylenes	0.675	0.695		2.96	20
o-Xylene	0.681	0.676		-0.73	20
Styrene	1.101	1.118		1.54	20
Bromoform	0.266	0.272	0.1	2.26	20
Isopropylbenzene	3.903	3.893		-0.26	20
1,1,2,2-Tetrachloroethane	1.432	1.304	0.3	-8.94	20
1,3-Dichlorobenzene	1.643	1.598		-2.74	20
1,4-Dichlorobenzene	1.662	1.585		-4.63	20
1,2-Dichlorobenzene	1.648	1.633		-0.91	20
1,2-Dibromo-3-Chloropropane	0.279	0.264		-5.38	20
1,2,4-Trichlorobenzene	0.938	0.991		5.65	20
1,2,3-Trichlorobenzene	0.990	1.016		2.63	20
1,2-Dichloroethane-d4	0.795	0.743		-6.54	20
Dibromofluoromethane	0.334	0.344		2.99	20
Toluene-d8	1.212	1.229		1.4	20
4-Bromofluorobenzene	0.402	0.412		2.49	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date/Time: 03/06/2025 09:56

Lab File ID: VX045155.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.629	0.631		0.32	20
Chloromethane	0.770	0.723	0.1	-6.1	20
Vinyl Chloride	0.764	0.725		-5.11	20
Bromomethane	0.300	0.280		-6.67	20
Chloroethane	0.352	0.298		-15.34	20
Trichlorofluoromethane	1.012	0.973		-3.85	20
1,1,2-Trichlorotrifluoroethane	0.581	0.616		6.02	20
1,1-Dichloroethene	0.614	0.600		-2.28	20
Acetone	0.369	0.345		-6.5	20
Carbon Disulfide	1.636	1.462		-10.64	20
Methyl tert-butyl Ether	2.061	2.015		-2.23	20
Methyl Acetate	0.888	0.957		7.77	20
Methylene Chloride	0.731	0.704		-3.69	20
trans-1,2-Dichloroethene	0.607	0.610		0.49	20
1,1-Dichloroethane	1.247	1.215	0.1	-2.57	20
Cyclohexane	1.082	1.086		0.37	20
2-Butanone	0.555	0.564		1.62	20
Carbon Tetrachloride	0.465	0.458		-1.5	20
cis-1,2-Dichloroethene	0.749	0.750		0.13	20
Bromochloromethane	0.594	0.551		-7.24	20
Chloroform	1.239	1.209		-2.42	20
1,1,1-Trichloroethane	1.000	0.978		-2.2	20
Methylcyclohexane	0.549	0.598		8.93	20
Benzene	1.448	1.464		1.11	20
1,2-Dichloroethane	0.521	0.534		2.49	20
Trichloroethene	0.340	0.341		0.29	20
1,2-Dichloropropane	0.372	0.377		1.34	20
Bromodichloromethane	0.516	0.523		1.36	20
4-Methyl-2-Pentanone	0.587	0.616		4.94	20
Toluene	0.849	0.893		5.18	20
t-1,3-Dichloropropene	0.431	0.467		8.35	20
cis-1,3-Dichloropropene	0.503	0.544		8.15	20
1,1,2-Trichloroethane	0.350	0.355		1.43	20
2-Hexanone	0.425	0.451		6.12	20
Dibromochloromethane	0.366	0.378		3.28	20
1,2-Dibromoethane	0.349	0.353		1.15	20
Tetrachloroethene	0.320	0.322		0.63	20
Chlorobenzene	1.058	1.078	0.3	1.89	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_X Calibration Date/Time: 03/06/2025 09:56

Lab File ID: VX045155.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.843	1.931		4.78	20
m/p-Xylenes	0.675	0.704		4.3	20
o-Xylene	0.681	0.694		1.91	20
Styrene	1.101	1.163		5.63	20
Bromoform	0.266	0.266	0.1	0	20
Isopropylbenzene	3.903	3.980		1.95	20
1,1,2,2-Tetrachloroethane	1.432	1.414	0.3	-1.26	20
1,3-Dichlorobenzene	1.643	1.638		-0.3	20
1,4-Dichlorobenzene	1.662	1.644		-1.08	20
1,2-Dichlorobenzene	1.648	1.687		2.37	20
1,2-Dibromo-3-Chloropropane	0.279	0.286		2.51	20
1,2,4-Trichlorobenzene	0.938	1.010		7.68	20
1,2,3-Trichlorobenzene	0.990	1.054		6.47	20
1,2-Dichloroethane-d4	0.795	0.783		-1.51	20
Dibromofluoromethane	0.334	0.341		2.1	20
Toluene-d8	1.212	1.244		2.64	20
4-Bromofluorobenzene	0.402	0.419		4.23	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

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

Lab File ID: VY021426.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.459	0.403		-12.2	20
Chloromethane	0.647	0.644	0.1	-0.46	20
Vinyl Chloride	0.707	0.731		3.39	20
Bromomethane	0.511	0.498		-2.54	20
Chloroethane	0.467	0.503		7.71	20
Trichlorofluoromethane	0.987	0.975		-1.22	20
1,1,2-Trichlorotrifluoroethane	0.563	0.524		-6.93	20
1,1-Dichloroethene	0.514	0.484		-5.84	20
Acetone	0.115	0.095		-17.39	20
Carbon Disulfide	1.610	1.552		-3.6	20
Methyl tert-butyl Ether	1.302	1.385		6.38	20
Methyl Acetate	0.256	0.295		15.23	20
Methylene Chloride	0.605	0.568		-6.12	20
trans-1,2-Dichloroethene	0.575	0.563		-2.09	20
1,1-Dichloroethane	1.056	1.061	0.1	0.47	20
Cyclohexane	0.990	0.888		-10.3	20
2-Butanone	0.159	0.160		0.63	20
Carbon Tetrachloride	0.592	0.577		-2.53	20
cis-1,2-Dichloroethene	0.653	0.658		0.77	20
Bromochloromethane	0.443	0.470		6.09	20
Chloroform	1.096	1.107		1	20
1,1,1-Trichloroethane	1.004	0.973		-3.09	20
Methylcyclohexane	0.631	0.612		-3.01	20
Benzene	1.515	1.544		1.91	20
1,2-Dichloroethane	0.424	0.447		5.43	20
Trichloroethene	0.383	0.378		-1.3	20
1,2-Dichloropropane	0.361	0.373		3.32	20
Bromodichloromethane	0.533	0.559		4.88	20
4-Methyl-2-Pentanone	0.228	0.266		16.67	20
Toluene	0.955	0.975		2.09	20
t-1,3-Dichloropropene	0.470	0.512		8.94	20
cis-1,3-Dichloropropene	0.557	0.587		5.39	20
1,1,2-Trichloroethane	0.263	0.285		8.36	20
2-Hexanone	0.151	0.180		19.2	20
Dibromochloromethane	0.360	0.391		8.61	20
1,2-Dibromoethane	0.248	0.270		8.87	20
Tetrachloroethene	0.407	0.384		-5.65	20
Chlorobenzene	1.181	1.160	0.3	-1.78	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

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

Lab File ID: VY021426.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.072	2.064		-0.39	20
m/p-Xylenes	0.787	0.784		-0.38	20
o-Xylene	0.725	0.733		1.1	20
Styrene	1.203	1.259		4.66	20
Bromoform	0.233	0.247	0.1	6.01	20
Isopropylbenzene	3.939	3.682		-6.52	20
1,1,2,2-Tetrachloroethane	0.695	0.694	0.3	-0.14	20
1,3-Dichlorobenzene	1.834	1.710		-6.76	20
1,4-Dichlorobenzene	1.794	1.700		-5.24	20
1,2-Dichlorobenzene	1.572	1.520		-3.31	20
1,2-Dibromo-3-Chloropropane	0.104	0.106		1.92	20
1,2,4-Trichlorobenzene	0.859	0.856		-0.35	20
1,2,3-Trichlorobenzene	0.722	0.742		2.77	20
1,2-Dichloroethane-d4	0.528	0.564		6.82	20
Dibromofluoromethane	0.329	0.349		6.08	20
Toluene-d8	1.244	1.310		5.3	20
4-Bromofluorobenzene	0.423	0.469		10.88	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_Y Calibration Date/Time: 03/07/2025 09:59

Lab File ID: VY021451.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.459	0.437		-4.79	20
Chloromethane	0.647	0.662	0.1	2.32	20
Vinyl Chloride	0.707	0.776		9.76	20
Bromomethane	0.511	0.511		0	20
Chloroethane	0.467	0.546		16.92	20
Trichlorofluoromethane	0.987	1.164		17.93	20
1,1,2-Trichlorotrifluoroethane	0.563	0.577		2.49	20
1,1-Dichloroethene	0.514	0.513		-0.19	20
Acetone	0.115	0.121		5.22	20
Carbon Disulfide	1.610	1.632		1.37	20
Methyl tert-butyl Ether	1.302	1.304		0.15	20
Methyl Acetate	0.256	0.280		9.38	20
Methylene Chloride	0.605	0.575		-4.96	20
trans-1,2-Dichloroethene	0.575	0.587		2.09	20
1,1-Dichloroethane	1.056	1.095	0.1	3.69	20
Cyclohexane	0.990	0.981		-0.91	20
2-Butanone	0.159	0.163		2.52	20
Carbon Tetrachloride	0.592	0.617		4.22	20
cis-1,2-Dichloroethene	0.653	0.675		3.37	20
Bromochloromethane	0.443	0.448		1.13	20
Chloroform	1.096	1.152		5.11	20
1,1,1-Trichloroethane	1.004	1.033		2.89	20
Methylcyclohexane	0.631	0.679		7.61	20
Benzene	1.515	1.595		5.28	20
1,2-Dichloroethane	0.424	0.448		5.66	20
Trichloroethene	0.383	0.395		3.13	20
1,2-Dichloropropane	0.361	0.384		6.37	20
Bromodichloromethane	0.533	0.567		6.38	20
4-Methyl-2-Pentanone	0.228	0.236		3.51	20
Toluene	0.955	1.025		7.33	20
t-1,3-Dichloropropene	0.470	0.503		7.02	20
cis-1,3-Dichloropropene	0.557	0.592		6.28	20
1,1,2-Trichloroethane	0.263	0.278		5.7	20
2-Hexanone	0.151	0.163		7.95	20
Dibromochloromethane	0.360	0.381		5.83	20
1,2-Dibromoethane	0.248	0.257		3.63	20
Tetrachloroethene	0.407	0.413		1.47	20
Chlorobenzene	1.181	1.219	0.3	3.22	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: MSVOA_Y Calibration Date/Time: 03/07/2025 09:59

Lab File ID: VY021451.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.072	2.220		7.14	20
m/p-Xylenes	0.787	0.846		7.5	20
o-Xylene	0.725	0.771		6.34	20
Styrene	1.203	1.319		9.64	20
Bromoform	0.233	0.240	0.1	3	20
Isopropylbenzene	3.939	4.043		2.64	20
1,1,2,2-Tetrachloroethane	0.695	0.681	0.3	-2.01	20
1,3-Dichlorobenzene	1.834	1.830		-0.22	20
1,4-Dichlorobenzene	1.794	1.801		0.39	20
1,2-Dichlorobenzene	1.572	1.581		0.57	20
1,2-Dibromo-3-Chloropropane	0.104	0.103		-0.96	20
1,2,4-Trichlorobenzene	0.859	0.884		2.91	20
1,2,3-Trichlorobenzene	0.722	0.741		2.63	20
1,2-Dichloroethane-d4	0.528	0.557		5.49	20
Dibromofluoromethane	0.329	0.352		6.99	20
Toluene-d8	1.244	1.351		8.6	20
4-Bromofluorobenzene	0.423	0.461		8.98	20

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



SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Quant Time: Mar 07 00:40:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	242903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455891	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	410551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	166037	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	167202	65.127	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	130.260%
35) Dibromofluoromethane	7.634	113	157290	52.489	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.980%
50) Toluene-d8	10.109	98	553466	48.780	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.560%
62) 4-Bromofluorobenzene	12.408	95	177238	45.922	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.840%

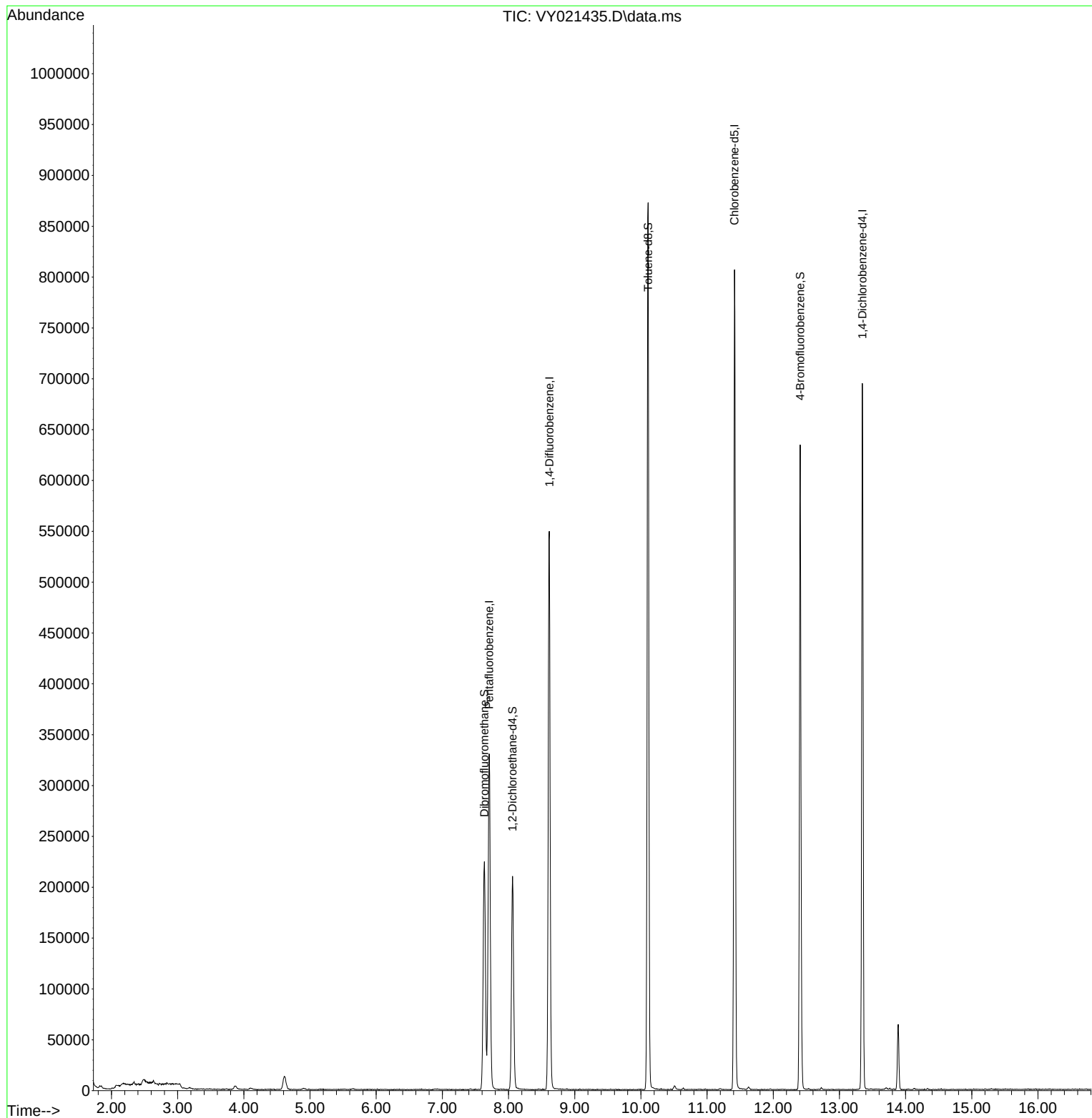
Target Compounds	Qvalue

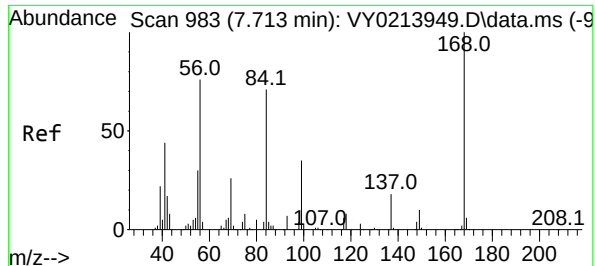
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Quant Time: Mar 07 00:40:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

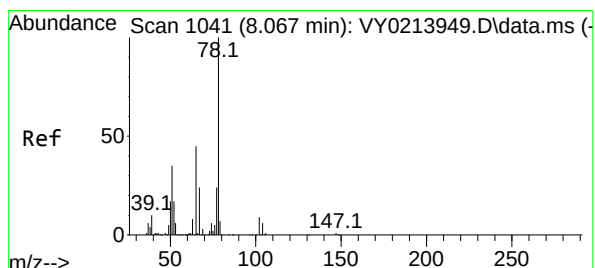
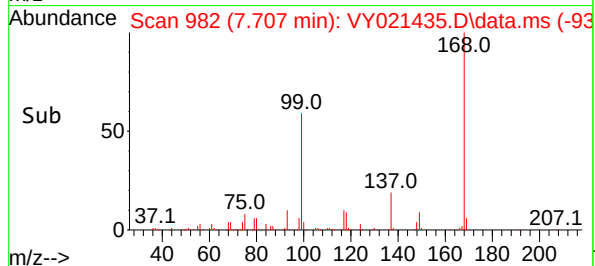
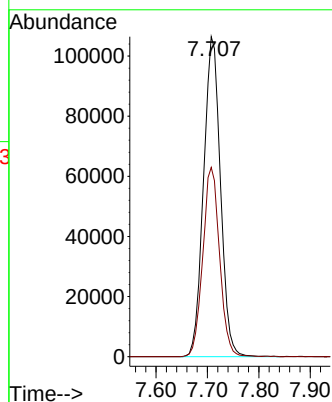
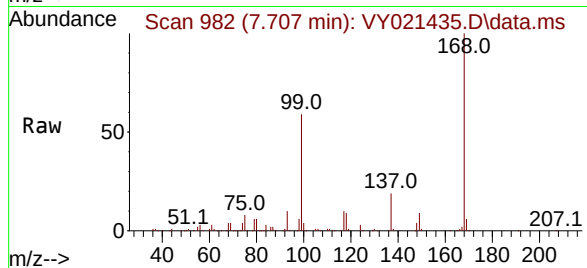




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

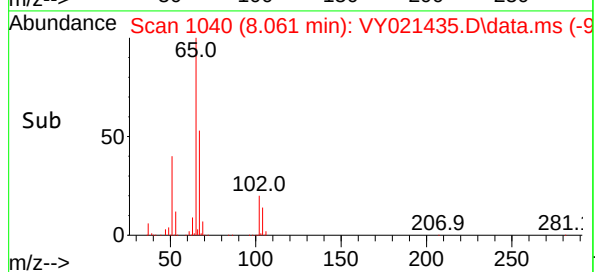
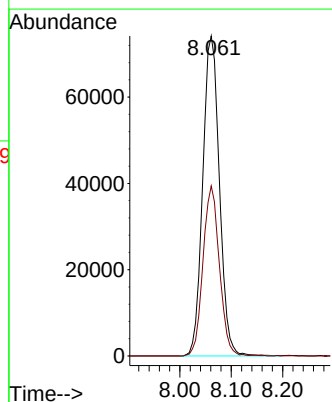
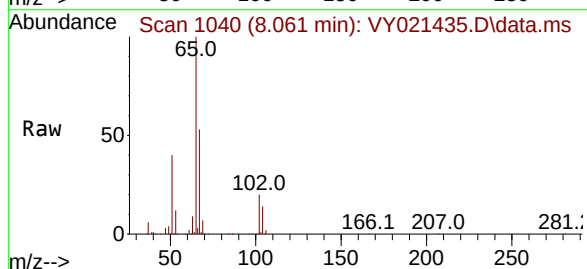
Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

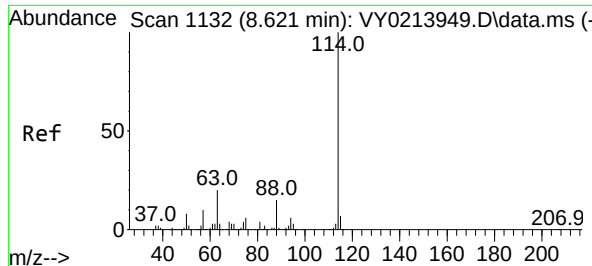
Tgt Ion:168 Resp: 242903
Ion Ratio Lower Upper
168 100
99 59.1 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 65.127 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021435.D
Acq: 06 Mar 2025 15:25

Tgt Ion: 65 Resp: 167202
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

ENV-101-SB01

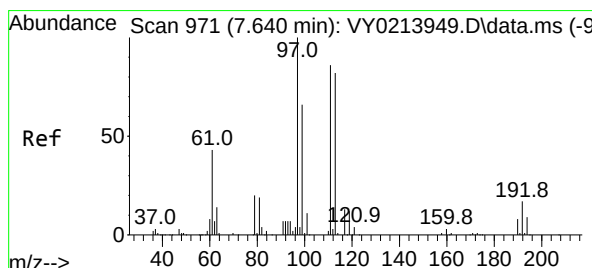
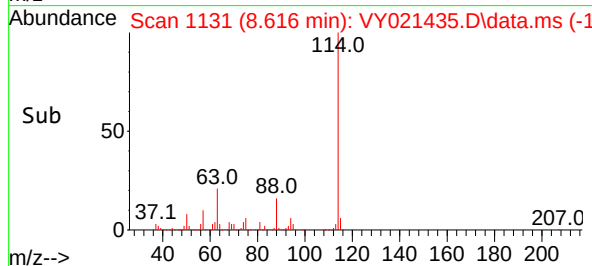
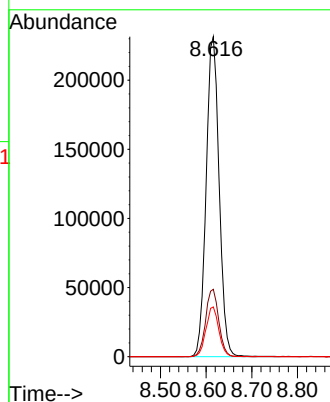
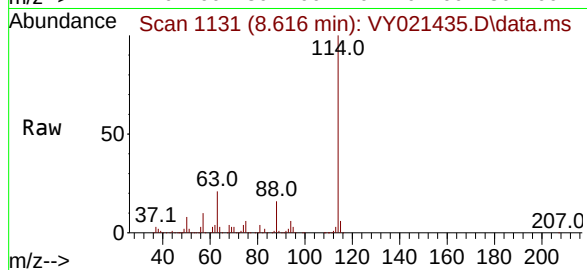
Tgt Ion:114 Resp: 455891

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.5 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.489 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

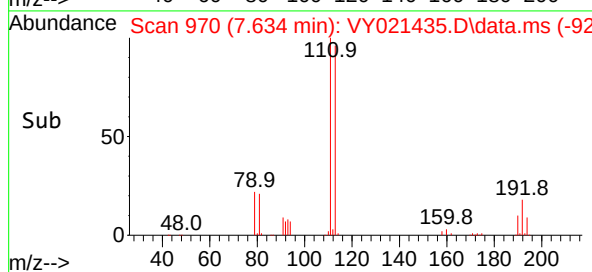
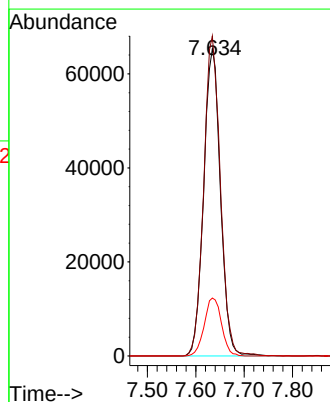
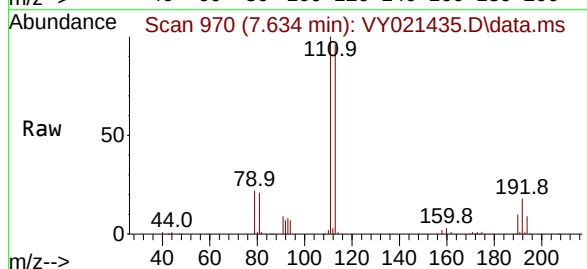
Tgt Ion:113 Resp: 157290

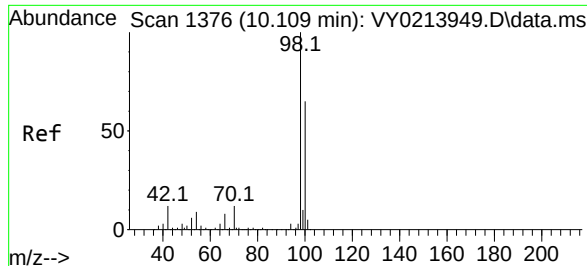
Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 19.4 15.9 23.9





#50

Toluene-d8

Concen: 48.780 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

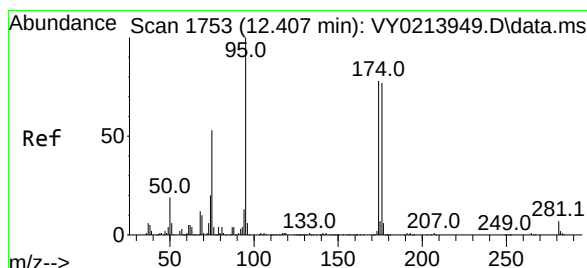
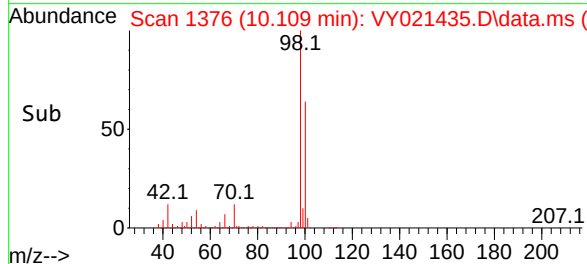
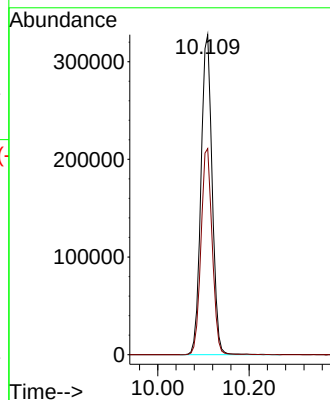
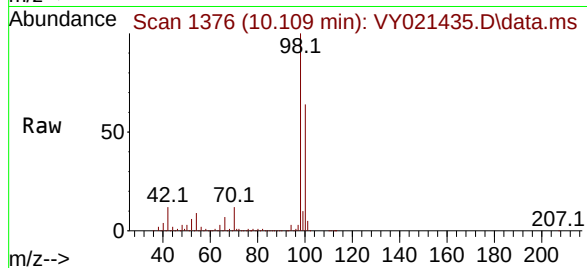
ENV-101-SB01

Tgt Ion: 98 Resp: 553466

Ion Ratio Lower Upper

98 100

100 64.7 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 45.922 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

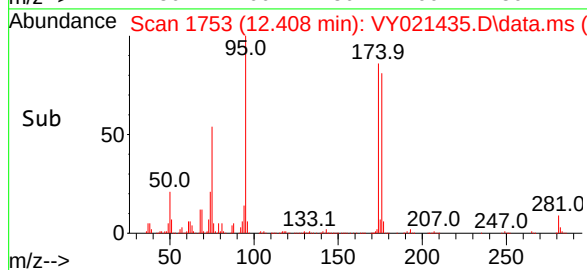
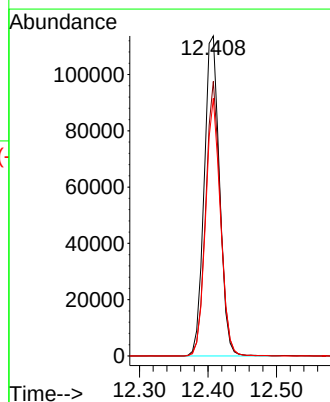
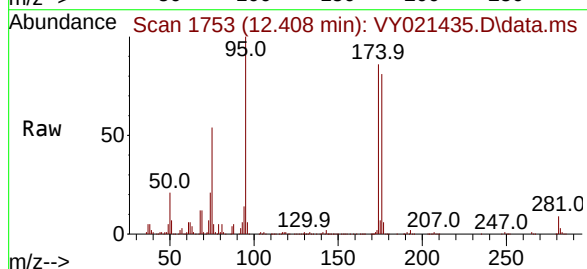
Tgt Ion: 95 Resp: 177238

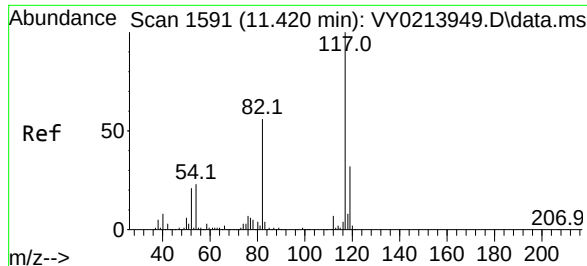
Ion Ratio Lower Upper

95 100

174 82.1 0.0 165.0

176 77.9 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

Instrument :

MSVOA_Y

ClientSampleId :

ENV-101-SB01

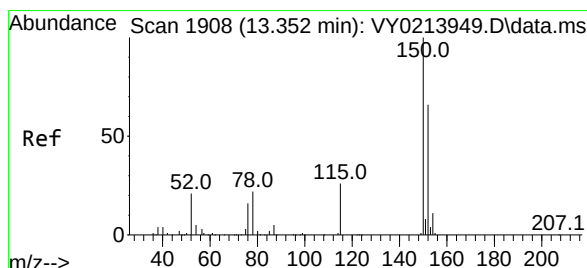
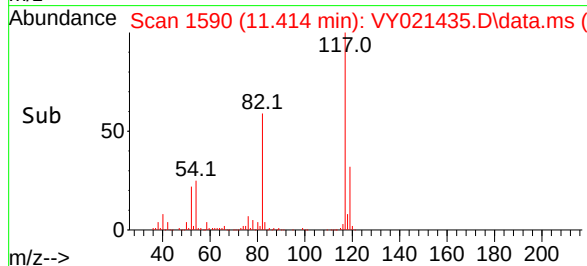
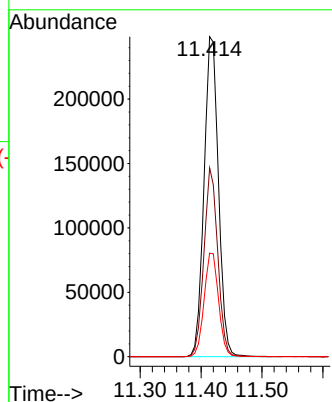
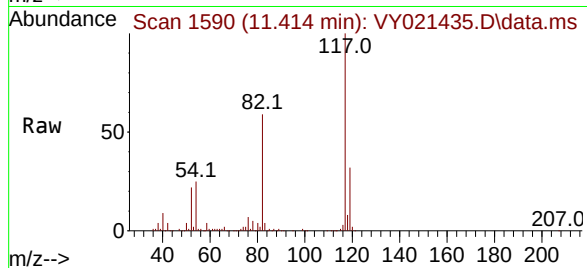
Tgt Ion:117 Resp: 410551

Ion Ratio Lower Upper

117 100

82 59.0 44.6 67.0

119 32.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021435.D

Acq: 06 Mar 2025 15:25

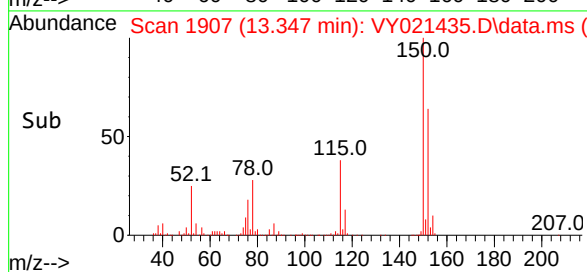
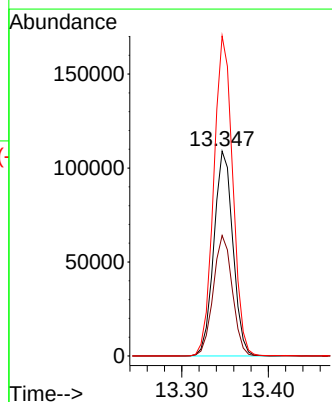
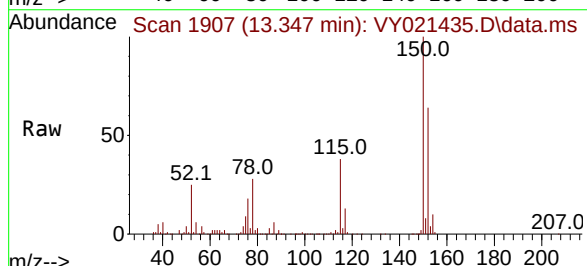
Tgt Ion:152 Resp: 166037

Ion Ratio Lower Upper

152 100

115 59.0 29.0 87.0

150 156.3 0.0 347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021435.D
 Acq On : 06 Mar 2025 15:25
 Operator : SY/MD
 Sample : Q1488-01
 Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-101-SB01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M

Title : SW846 8260

Signal : TIC: VY021435.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.489	119	126	130	rBV9	5077	15071	1.00%	0.190%
2	4.610	465	474	486	rBV2	12699	39999	2.66%	0.505%
3	7.634	960	970	976	rBV	224154	540909	35.94%	6.826%
4	7.707	976	982	999	rVB	329722	751070	49.91%	9.478%
5	8.061	1031	1040	1052	rBV	209846	469964	31.23%	5.931%
6	8.616	1121	1131	1145	rBV	549026	1094686	72.74%	13.814%
7	10.109	1367	1376	1394	rBV	872193	1504872	100.00%	18.991%
8	11.414	1581	1590	1603	rBV	806588	1321179	87.79%	16.673%
9	12.408	1745	1753	1764	rBV2	634113	1030528	68.48%	13.005%
10	13.347	1900	1907	1916	rVB	693824	1052078	69.91%	13.277%
11	13.889	1989	1996	2003	rVB2	64219	103826	6.90%	1.310%

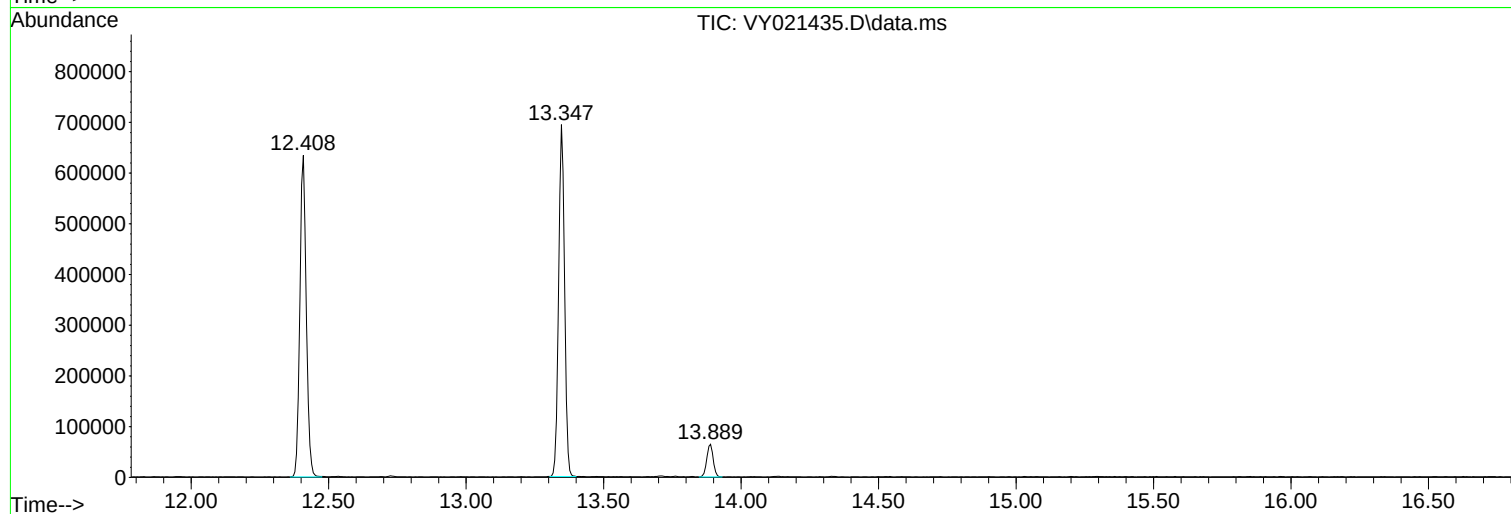
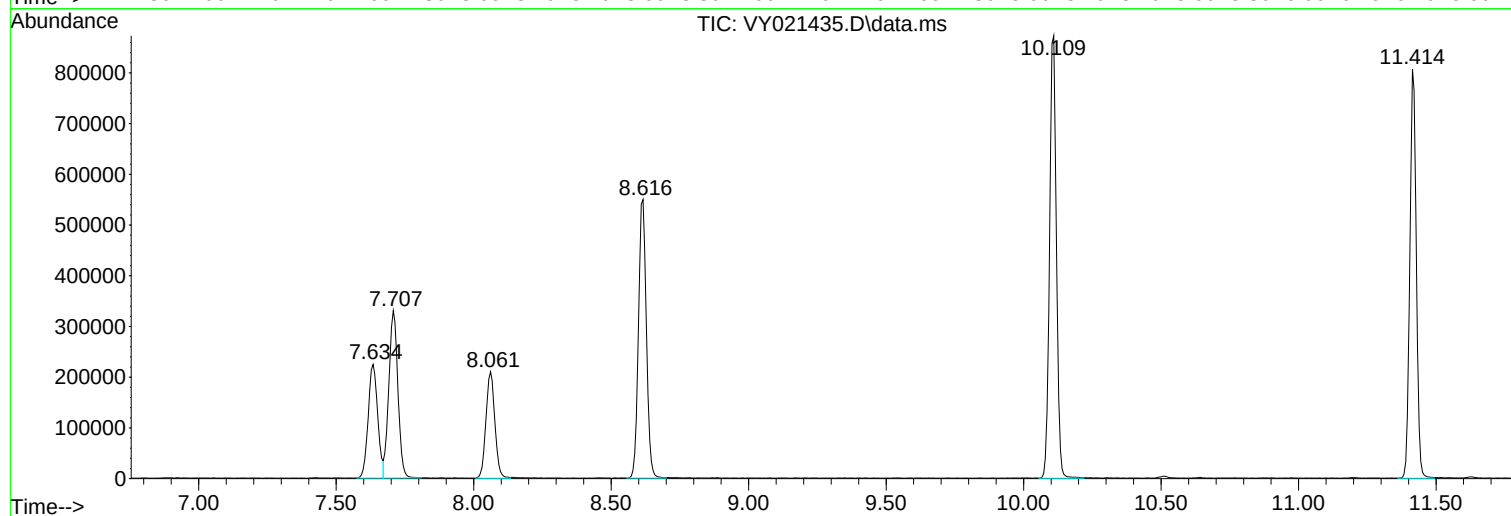
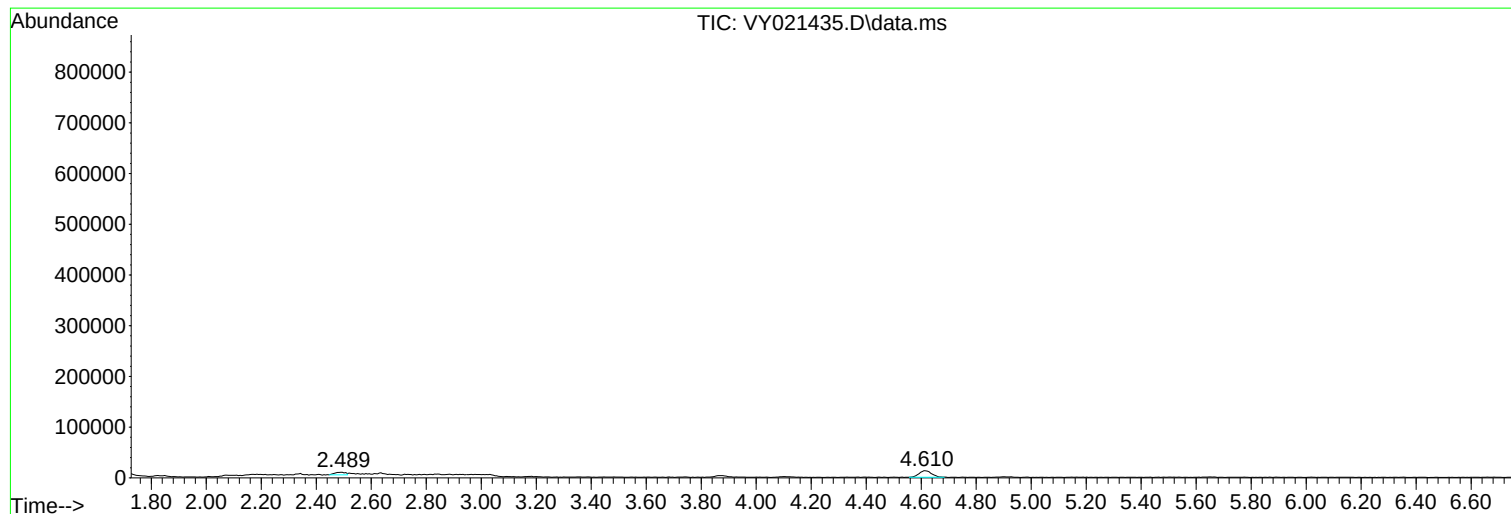
Sum of corrected areas: 7924182

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021435.D
Acq On : 06 Mar 2025 15:25
Operator : SY/MD
Sample : Q1488-01
Misc : 7.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

A
B
C
D
E
F
G
H
I
J

Quant Time: Mar 07 00:40:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

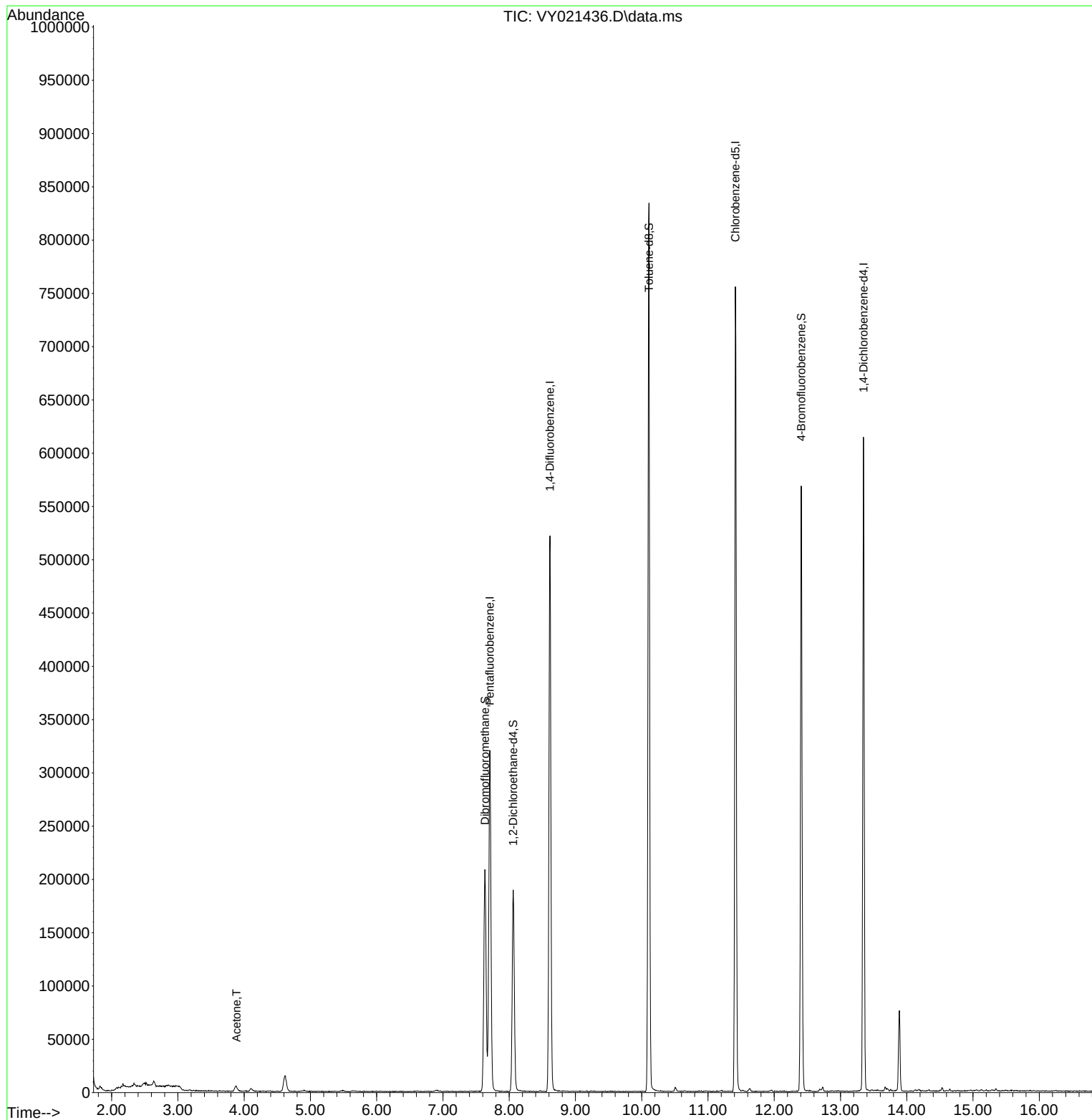
Internal Standards						
1) Pentafluorobenzene	7.707	168	234226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	429130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	377679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	143740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150343	60.729	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.460%	
35) Dibromofluoromethane	7.634	113	145960	51.745	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.500%	
50) Toluene-d8	10.109	98	520619	48.746	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.500%	
62) 4-Bromofluorobenzene	12.408	95	155393	42.773	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.540%	
Target Compounds						
16) Acetone	3.885	43	8980	16.631	ug/l	Qvalue 99

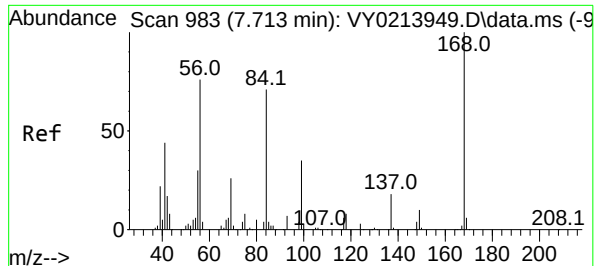
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

Quant Time: Mar 07 00:40:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

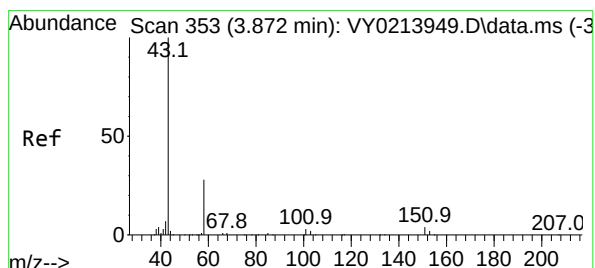
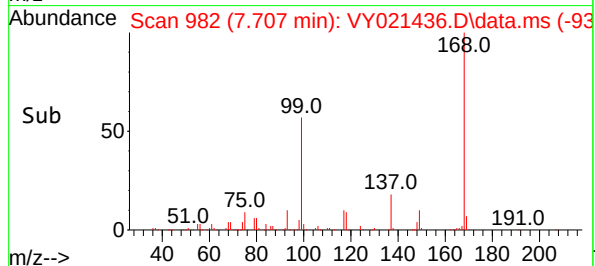
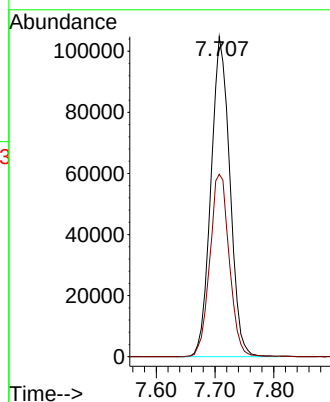
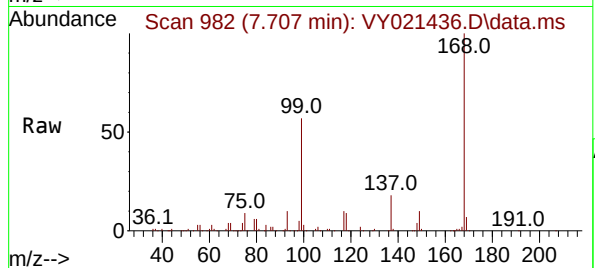




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

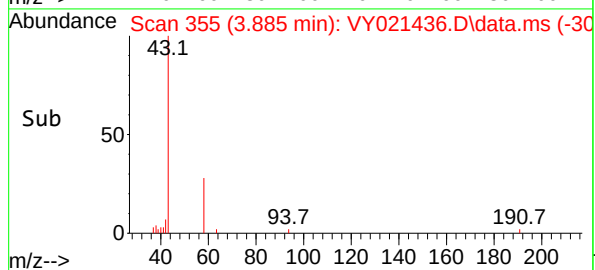
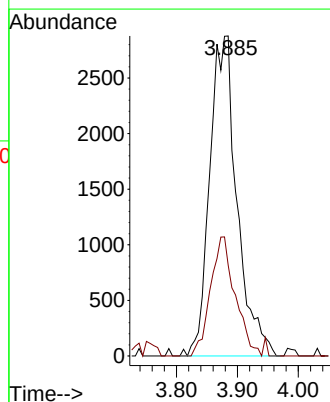
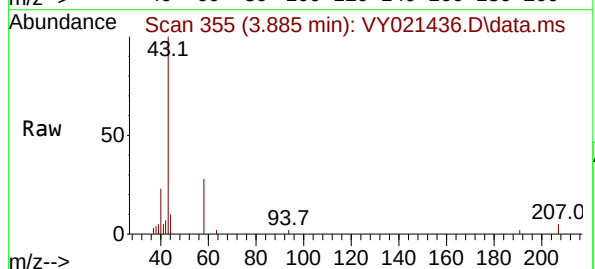
Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

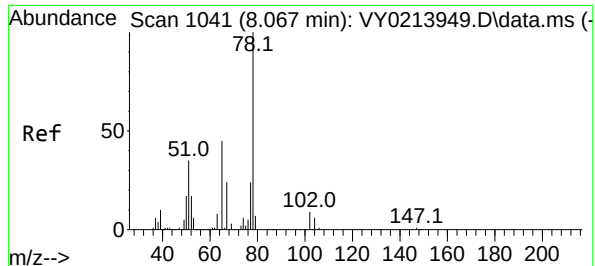
Tgt Ion:168 Resp: 234226
Ion Ratio Lower Upper
168 100
99 57.0 46.0 69.0



#16
Acetone
Concen: 16.631 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.013 min
Lab File: VY021436.D
Acq: 06 Mar 2025 15:49

Tgt Ion: 43 Resp: 8980
Ion Ratio Lower Upper
43 100
58 28.4 22.1 33.1





#33

1,2-Dichloroethane-d4

Concen: 60.729 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021436.D

Acq: 06 Mar 2025 15:49

Instrument :

MSVOA_Y

ClientSampleId :

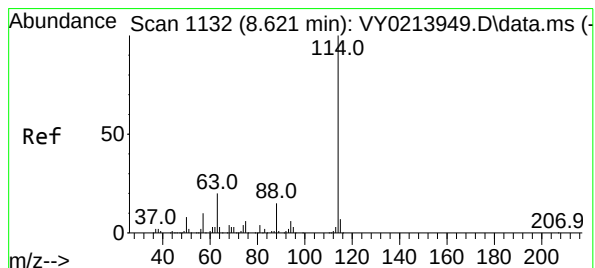
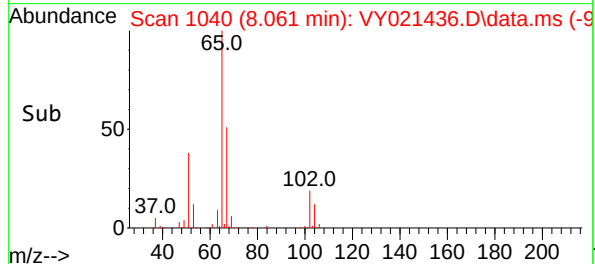
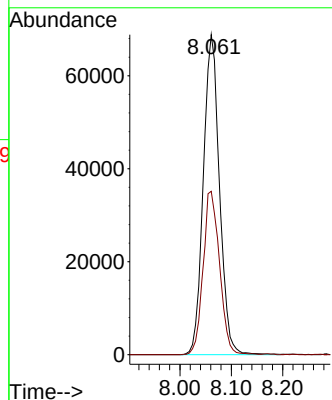
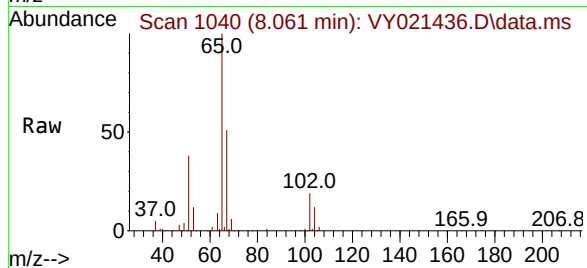
ENV-101-SB02

Tgt Ion: 65 Resp: 150343

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021436.D

Acq: 06 Mar 2025 15:49

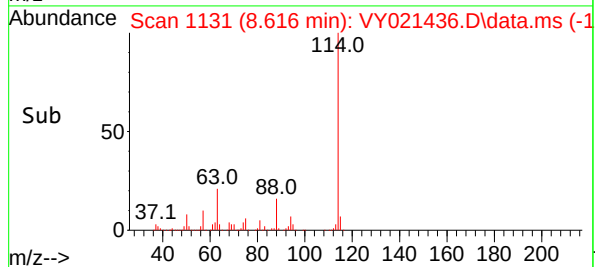
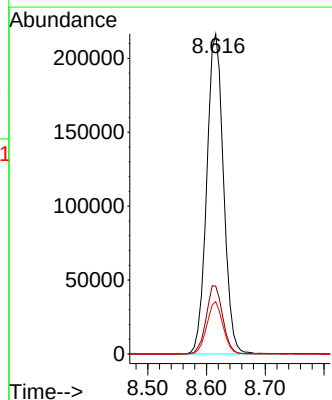
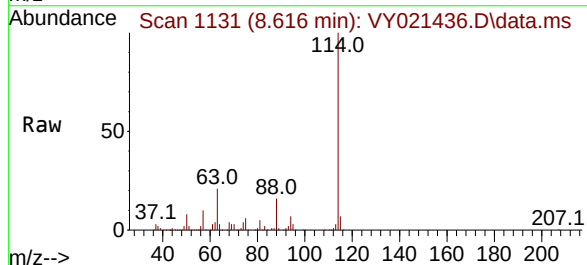
Tgt Ion: 114 Resp: 429130

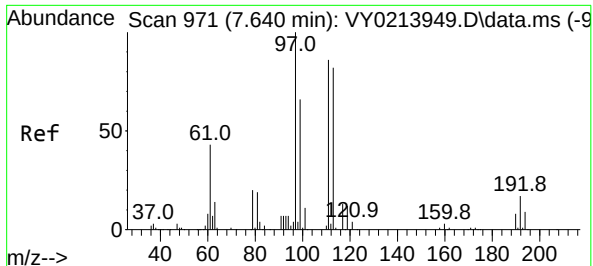
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

88 16.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.745 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021436.D

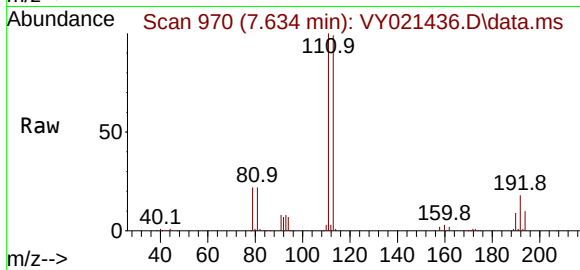
Acq: 06 Mar 2025 15:49

Instrument :

MSVOA_Y

ClientSampleId :

ENV-101-SB02



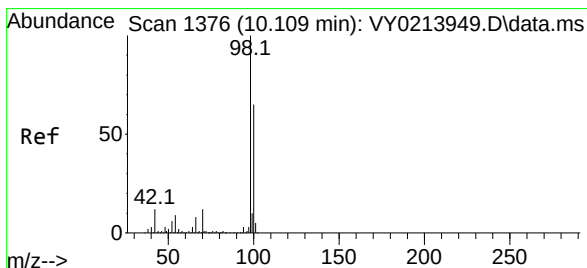
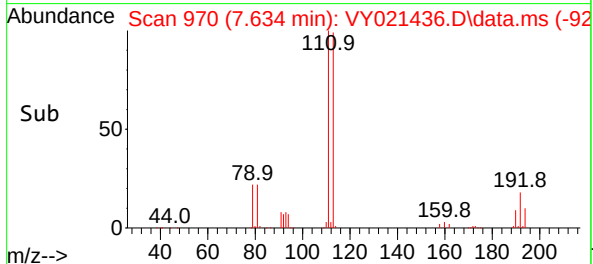
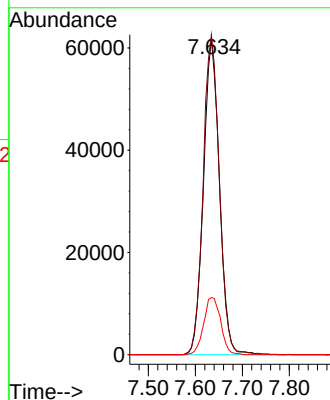
Tgt Ion:113 Resp: 145960

Ion Ratio Lower Upper

113 100

111 102.8 82.0 123.0

192 19.3 15.9 23.9



#50

Toluene-d8

Concen: 48.746 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021436.D

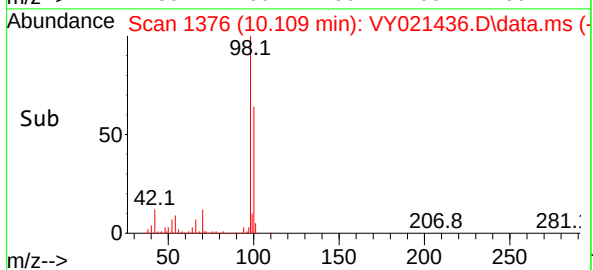
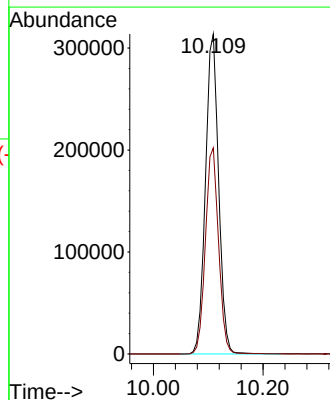
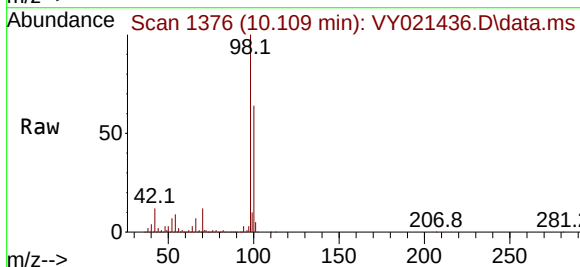
Acq: 06 Mar 2025 15:49

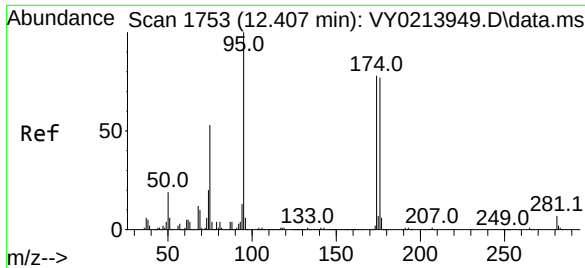
Tgt Ion: 98 Resp: 520619

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 42.773 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021436.D

Acq: 06 Mar 2025 15:49

Instrument :

MSVOA_Y

ClientSampleId :

ENV-101-SB02

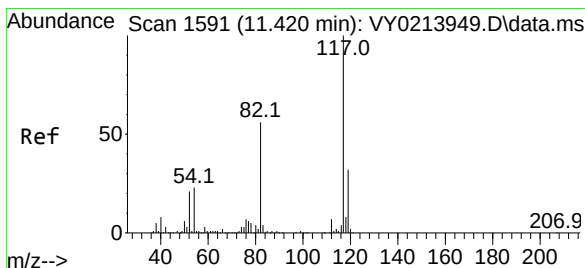
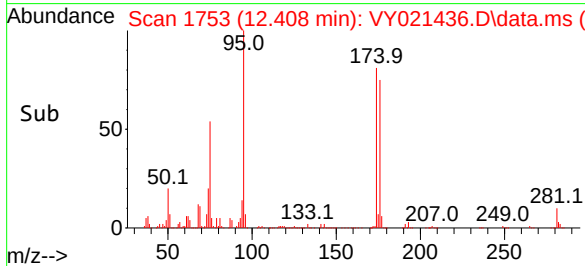
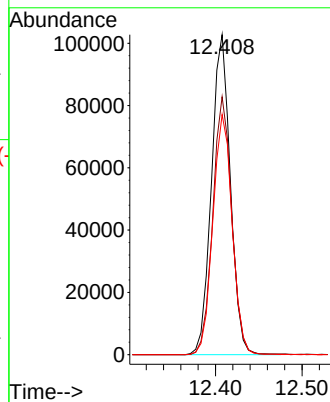
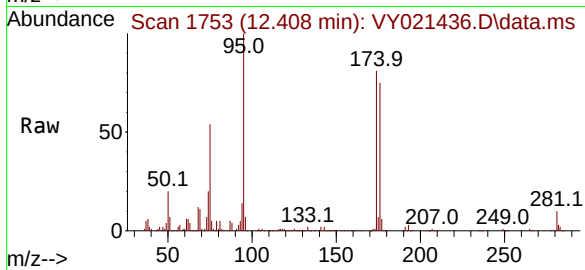
Tgt Ion: 95 Resp: 155393

Ion Ratio Lower Upper

95 100

174 80.9 0.0 165.0

176 76.9 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021436.D

Acq: 06 Mar 2025 15:49

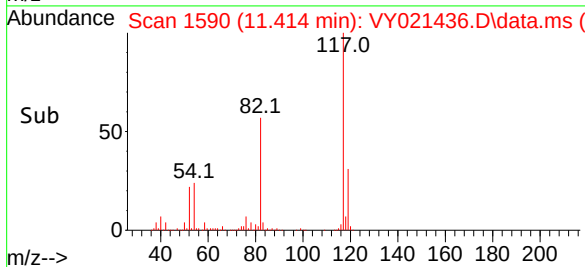
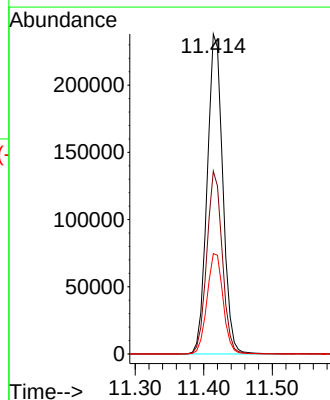
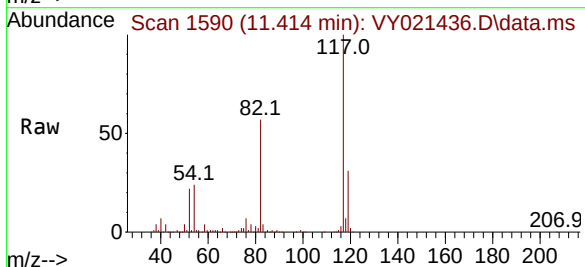
Tgt Ion: 117 Resp: 377679

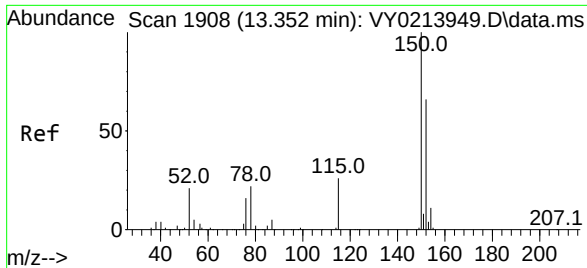
Ion Ratio Lower Upper

117 100

82 57.2 44.6 67.0

119 31.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021436.D

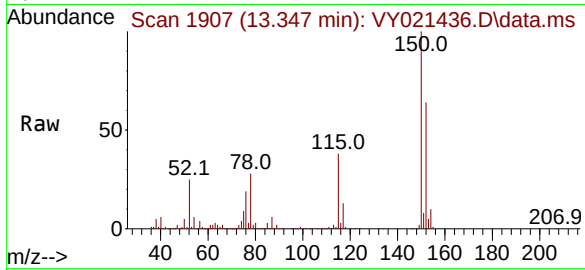
Acq: 06 Mar 2025 15:49

Instrument :

MSVOA_Y

ClientSampleId :

ENV-101-SB02



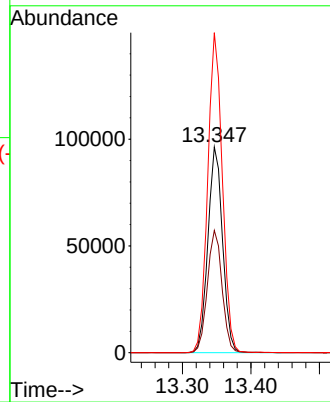
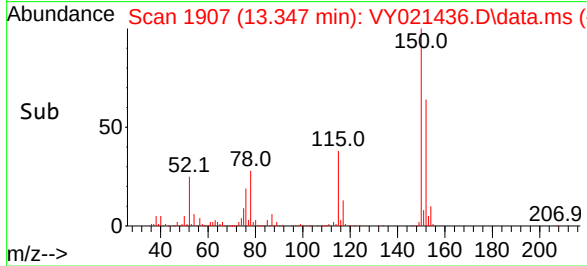
Tgt Ion:152 Resp: 143740

Ion Ratio Lower Upper

152 100

115 59.7 29.0 87.0

150 154.9 0.0 347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

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Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M

Title : SW846 8260

Signal : TIC: VY021436.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.879	346	354	364	rBV3	5026	14655	1.03%	0.200%
2	4.616	462	475	487	rBV2	14867	47666	3.36%	0.649%
3	7.634	959	970	976	rBV	208384	498593	35.10%	6.792%
4	7.707	976	982	997	rVB	319837	725452	51.08%	9.882%
5	8.061	1030	1040	1055	rBV	189314	425960	29.99%	5.802%
6	8.616	1121	1131	1142	rBV	521651	1035070	72.87%	14.099%
7	10.109	1367	1376	1392	rBV	834091	1420338	100.00%	19.347%
8	11.414	1583	1590	1603	rBV	755461	1206286	84.93%	16.431%
9	12.408	1746	1753	1766	rVB2	567811	927813	65.32%	12.638%
10	13.347	1895	1907	1916	rBV	613700	914833	64.41%	12.461%
11	13.889	1988	1996	2002	rVB2	75424	124689	8.78%	1.698%

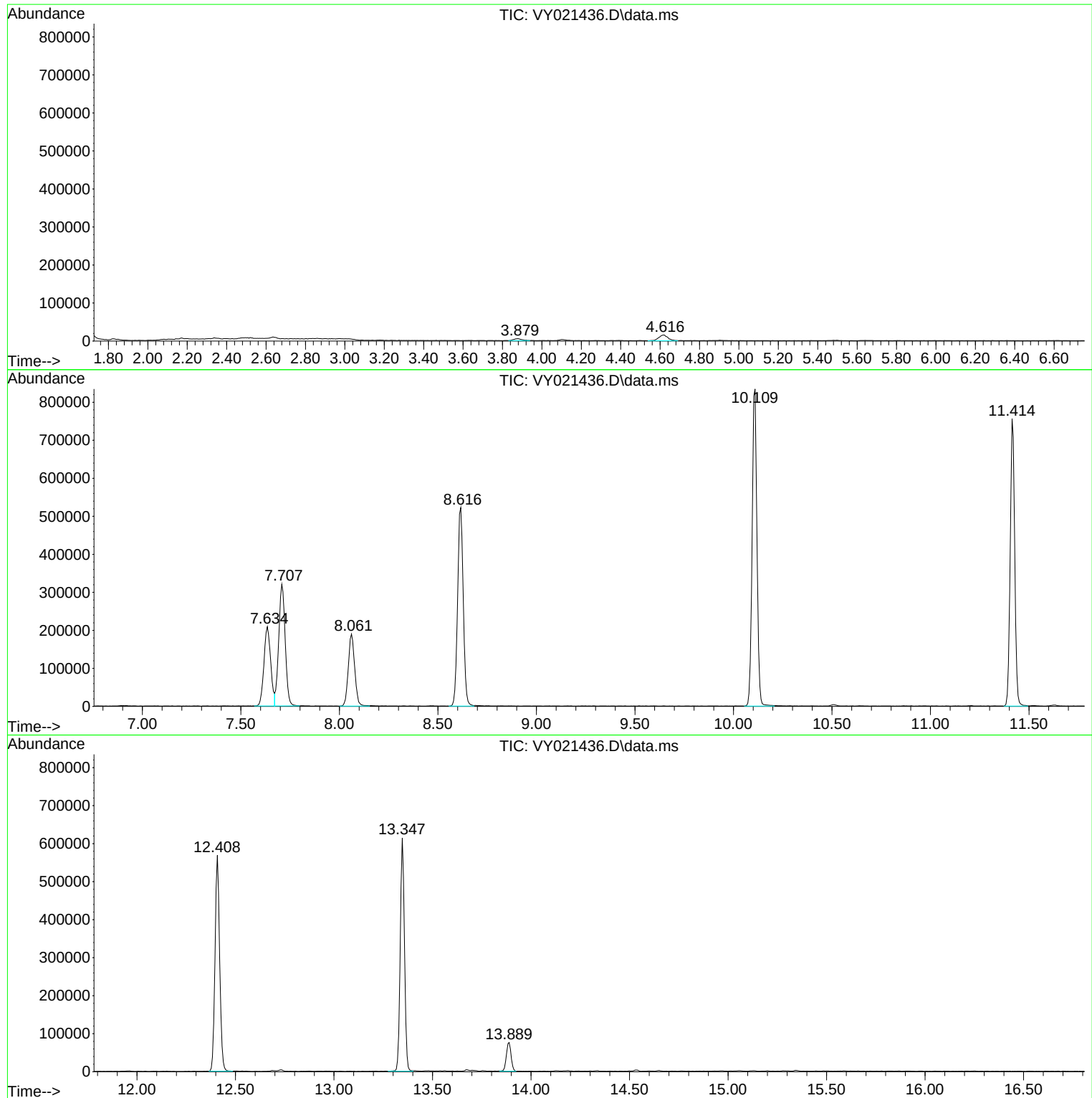
Sum of corrected areas: 7341355

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

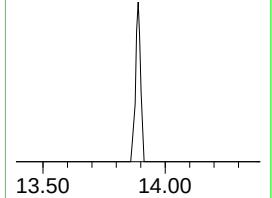
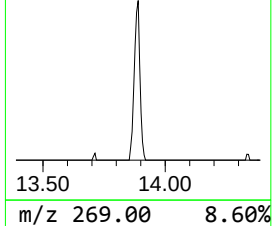
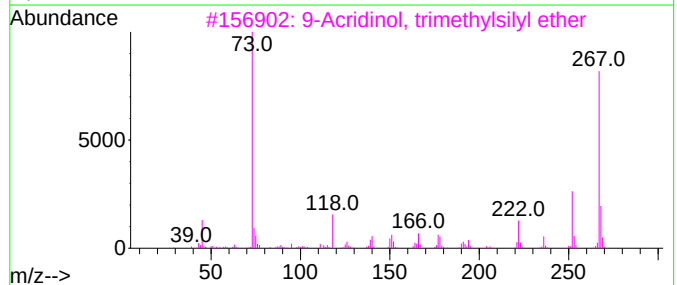
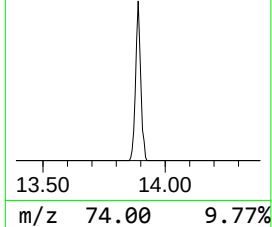
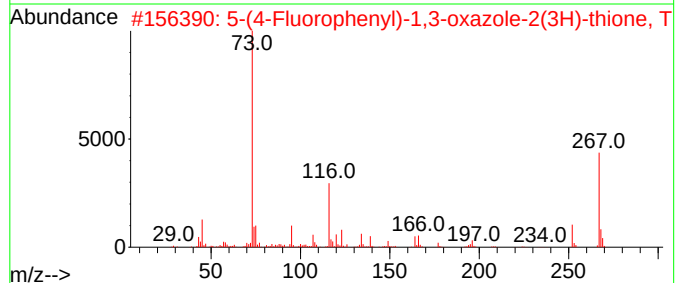
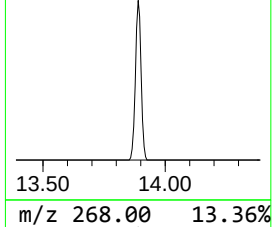
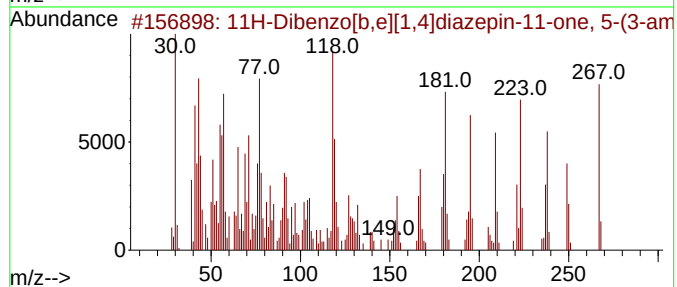
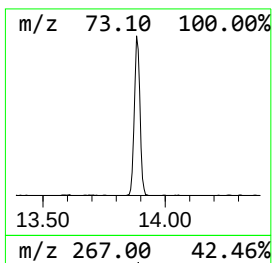
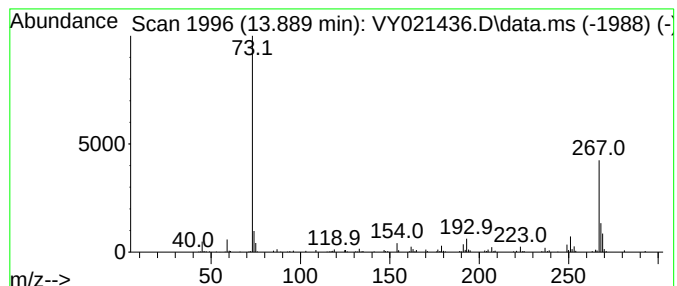
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

Peak Number 1 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	6.81 ug/l	124689	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	60
2			5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSSi	1000497-07-6	59
3			9-Acridinol, trimethylsilyl ether	267	C16H17NOSi	1000463-65-5	59
4			2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	59
5			Benzeneethanamine, N-[(pentaflu...	475	C21H26F5NO2Si2	055429-85-1	56



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021436.D
Acq On : 06 Mar 2025 15:49
Operator : SY/MD
Sample : Q1488-03
Misc : 8.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-101-SB02

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
11H-Dibenzo[b,e...	13.889	6.8	ug/l	124689	4	13.347	914833	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021437.D
 Acq On : 06 Mar 2025 16:12
 Operator : SY/MD
 Sample : Q1488-05
 Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-102-SB01

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Quant Time: Mar 07 00:41:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	245112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	408673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	161699	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	165897	64.036	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	128.080%
35) Dibromofluoromethane	7.634	113	156243	52.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.460%
50) Toluene-d8	10.103	98	552261	49.224	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.408	95	176528	46.256	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.520%

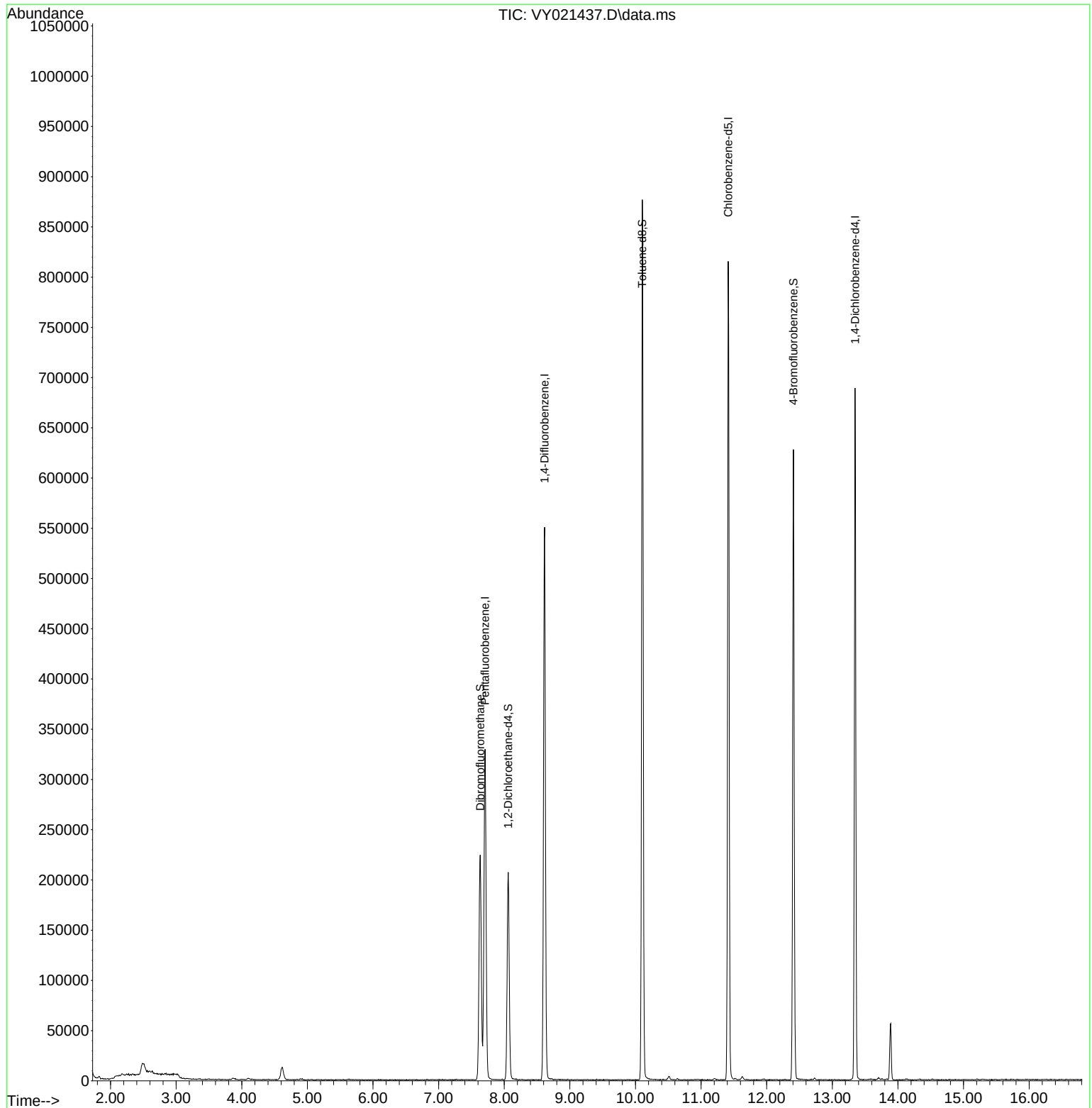
Target Compounds	Qvalue

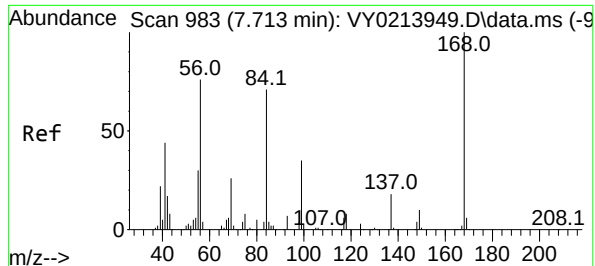
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021437.D
Acq On : 06 Mar 2025 16:12
Operator : SY/MD
Sample : Q1488-05
Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

Quant Time: Mar 07 00:41:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

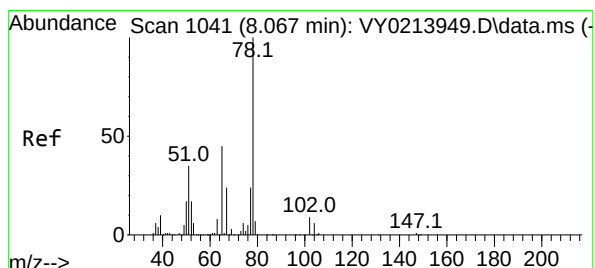
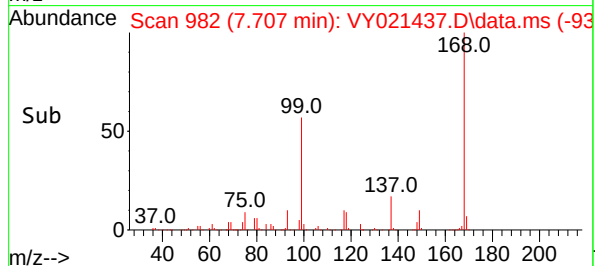
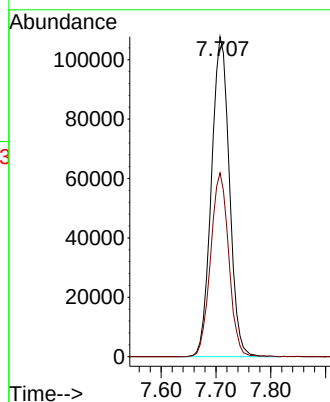
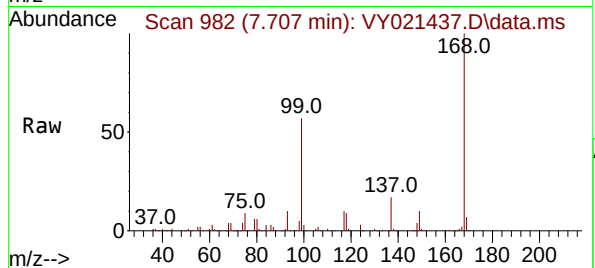




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

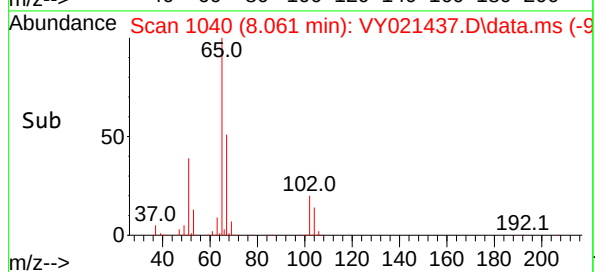
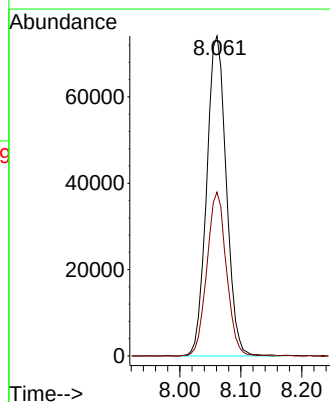
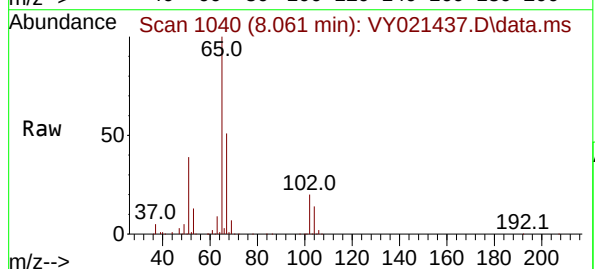
Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

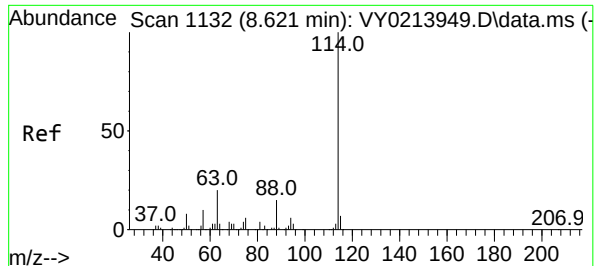
Tgt Ion:168 Resp: 245112
Ion Ratio Lower Upper
168 100
99 57.4 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 64.036 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021437.D
Acq: 06 Mar 2025 16:12

Tgt Ion: 65 Resp: 165897
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021437.D

Acq: 06 Mar 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :

ENV-102-SB01

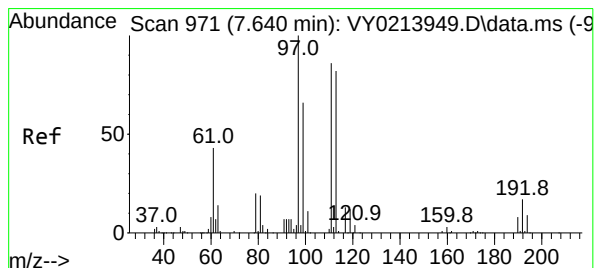
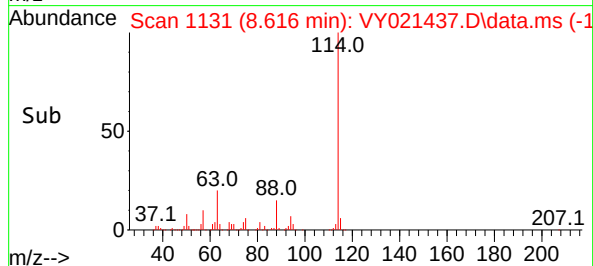
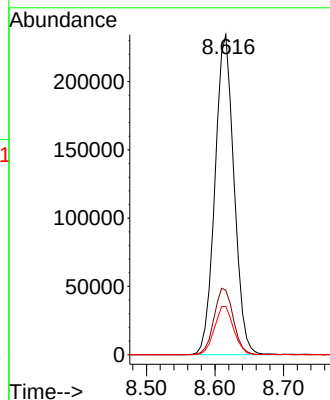
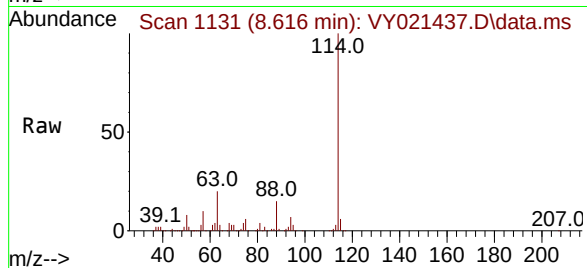
Tgt Ion:114 Resp: 450789

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.730 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021437.D

Acq: 06 Mar 2025 16:12

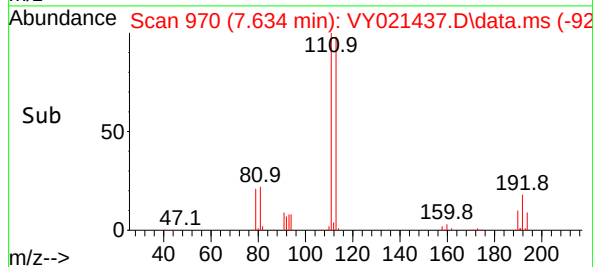
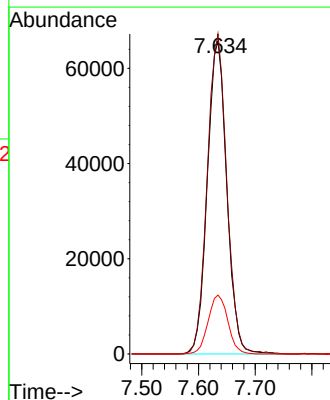
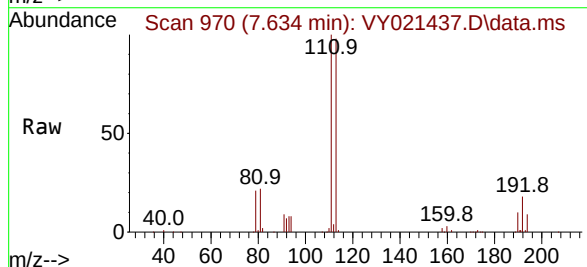
Tgt Ion:113 Resp: 156243

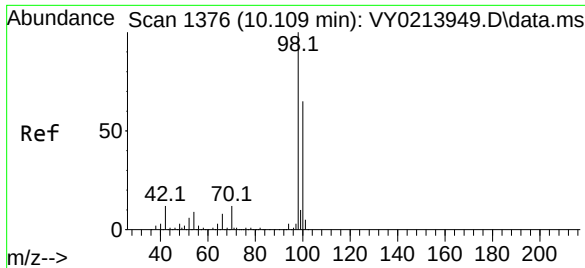
Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

192 19.1 15.9 23.9





#50

Toluene-d8

Concen: 49.224 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021437.D

Acq: 06 Mar 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :

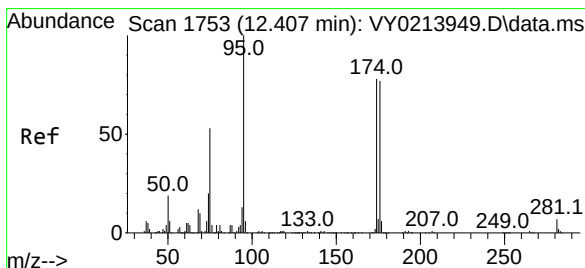
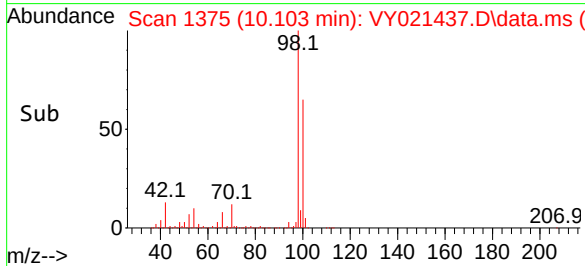
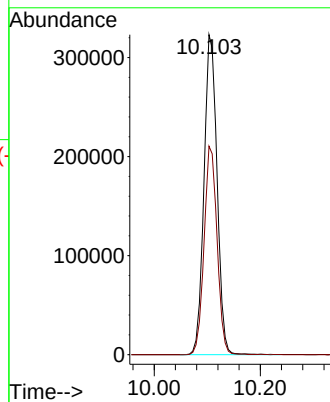
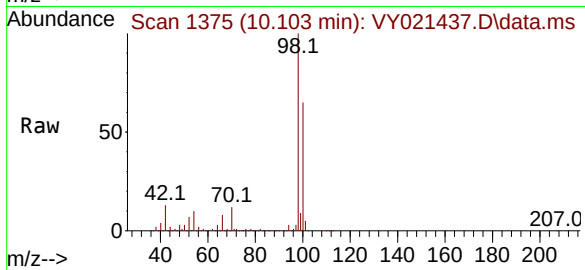
ENV-102-SB01

Tgt Ion: 98 Resp: 552261

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 46.256 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021437.D

Acq: 06 Mar 2025 16:12

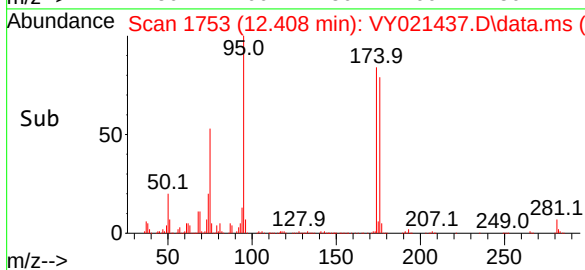
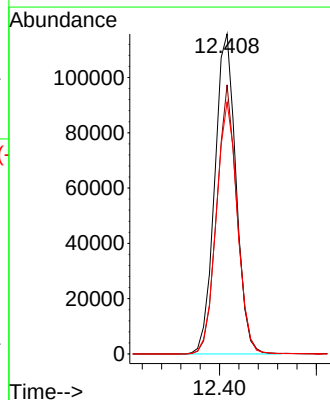
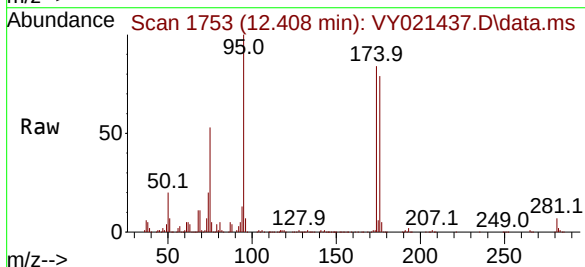
Tgt Ion: 95 Resp: 176528

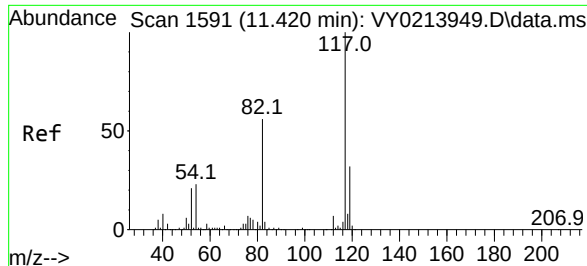
Ion Ratio Lower Upper

95 100

174 79.6 0.0 165.0

176 78.3 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY021437.D

Acq: 06 Mar 2025 16:12

Instrument :

MSVOA_Y

ClientSampleId :

ENV-102-SB01

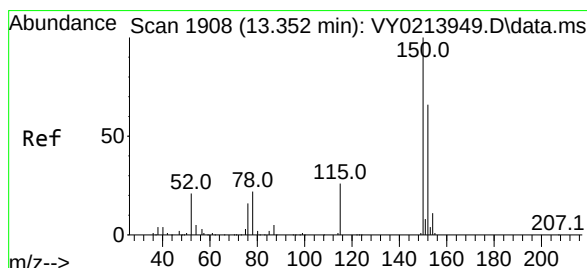
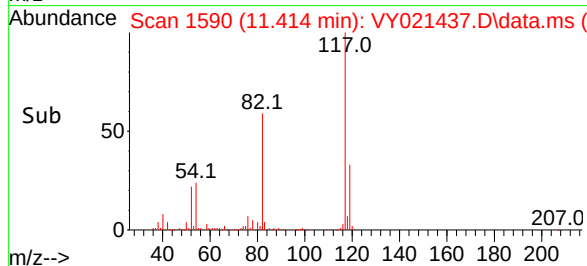
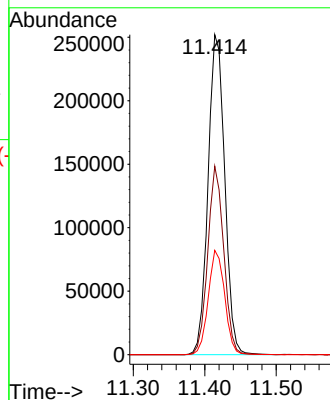
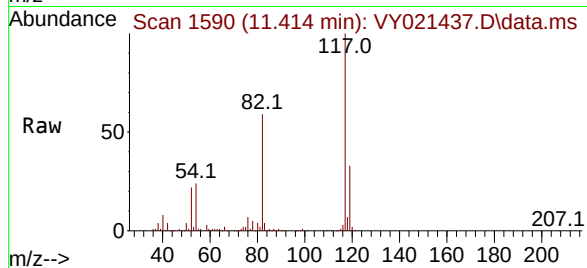
Tgt Ion:117 Resp: 408673

Ion Ratio Lower Upper

117 100

82 58.9 44.6 67.0

119 32.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021437.D

Acq: 06 Mar 2025 16:12

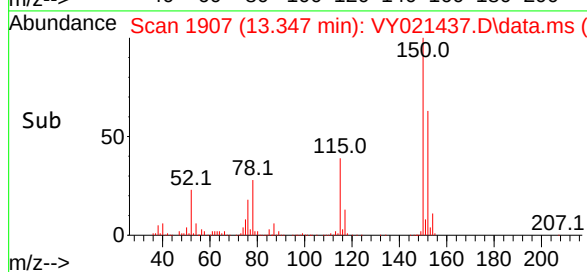
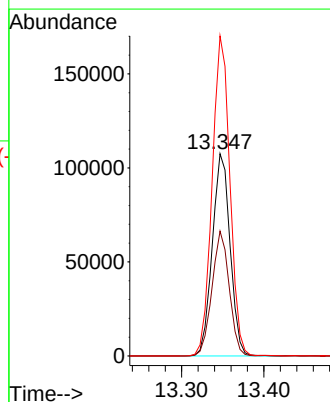
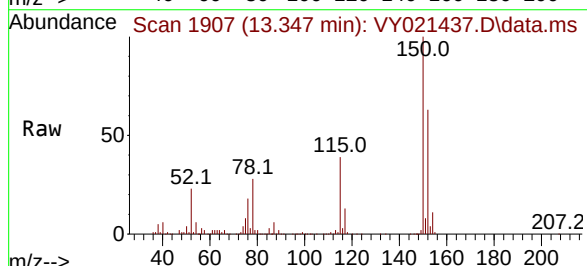
Tgt Ion:152 Resp: 161699

Ion Ratio Lower Upper

152 100

115 59.8 29.0 87.0

150 157.6 0.0 347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021437.D
 Acq On : 06 Mar 2025 16:12
 Operator : SY/MD
 Sample : Q1488-05
 Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-102-SB01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M

Title : SW846 8260

Signal : TIC: VY021437.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.483	118	125	126	rBV3	10614	18094	1.20%	0.231%
2	4.616	463	475	485	rBV3	12513	39182	2.60%	0.500%
3	7.634	957	970	976	rBV	223895	540378	35.89%	6.902%
4	7.707	976	982	997	rVB	328364	744139	49.42%	9.505%
5	8.061	1030	1040	1050	rBV	206579	460100	30.56%	5.877%
6	8.616	1122	1131	1144	rBV	550142	1086089	72.13%	13.872%
7	10.103	1366	1375	1392	rBV	876211	1505663	100.00%	19.231%
8	11.414	1583	1590	1603	rBV	814659	1310550	87.04%	16.739%
9	12.408	1746	1753	1762	rBV2	627414	1003226	66.63%	12.814%
10	13.347	1895	1907	1920	rBV	688567	1030336	68.43%	13.160%
11	13.889	1990	1996	2003	rVB2	55977	91564	6.08%	1.170%

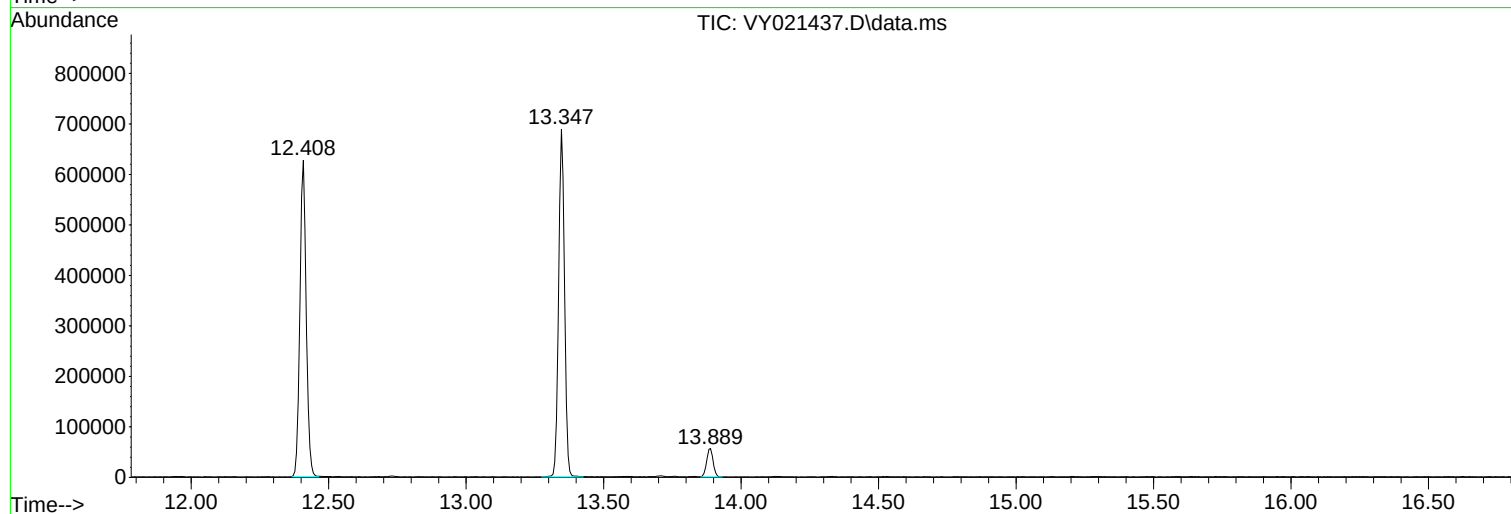
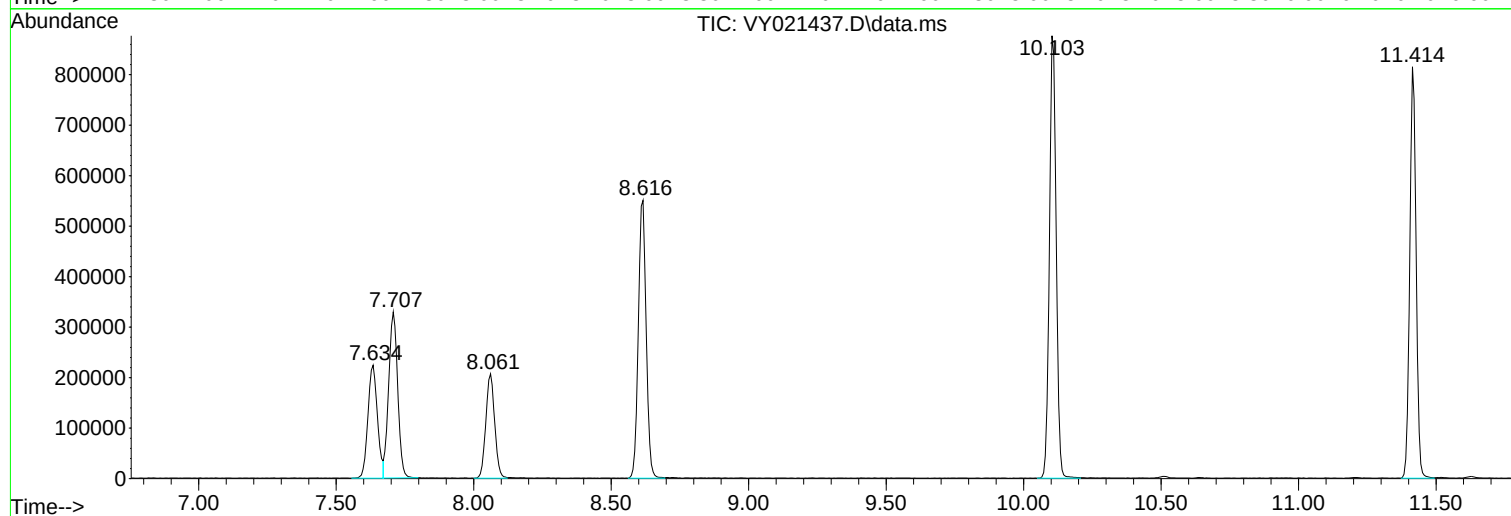
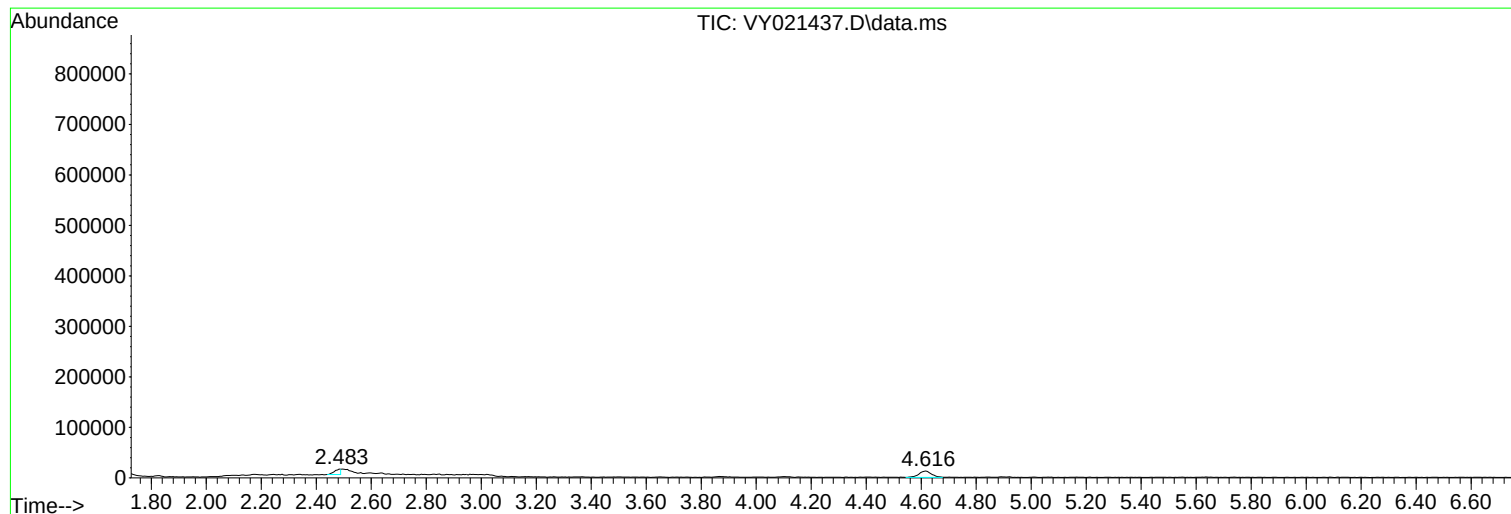
Sum of corrected areas: 7829321

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021437.D
Acq On : 06 Mar 2025 16:12
Operator : SY/MD
Sample : Q1488-05
Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021437.D
Acq On : 06 Mar 2025 16:12
Operator : SY/MD
Sample : Q1488-05
Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021437.D
Acq On : 06 Mar 2025 16:12
Operator : SY/MD
Sample : Q1488-05
Misc : 7.37g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021459.D
 Acq On : 07 Mar 2025 14:28
 Operator : SY/MD
 Sample : Q1488-07
 Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-102-SB02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
 Supervised By :Semsettin Yesilyurt 03/11/2025

Quant Time: Mar 08 00:36:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	280904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	508130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	440256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	168898	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	168912	56.892	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.780%			
35) Dibromofluoromethane	7.634	113	168708	50.511	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.109	98	605434	47.874	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.740%			
62) 4-Bromofluorobenzene	12.408	95	180735	42.014	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.020%			
Target Compounds						
16) Acetone	3.873	43	6598m	10.189	ug/l	
17) Carbon Disulfide	4.104	76	89720	9.921	ug/l	100

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

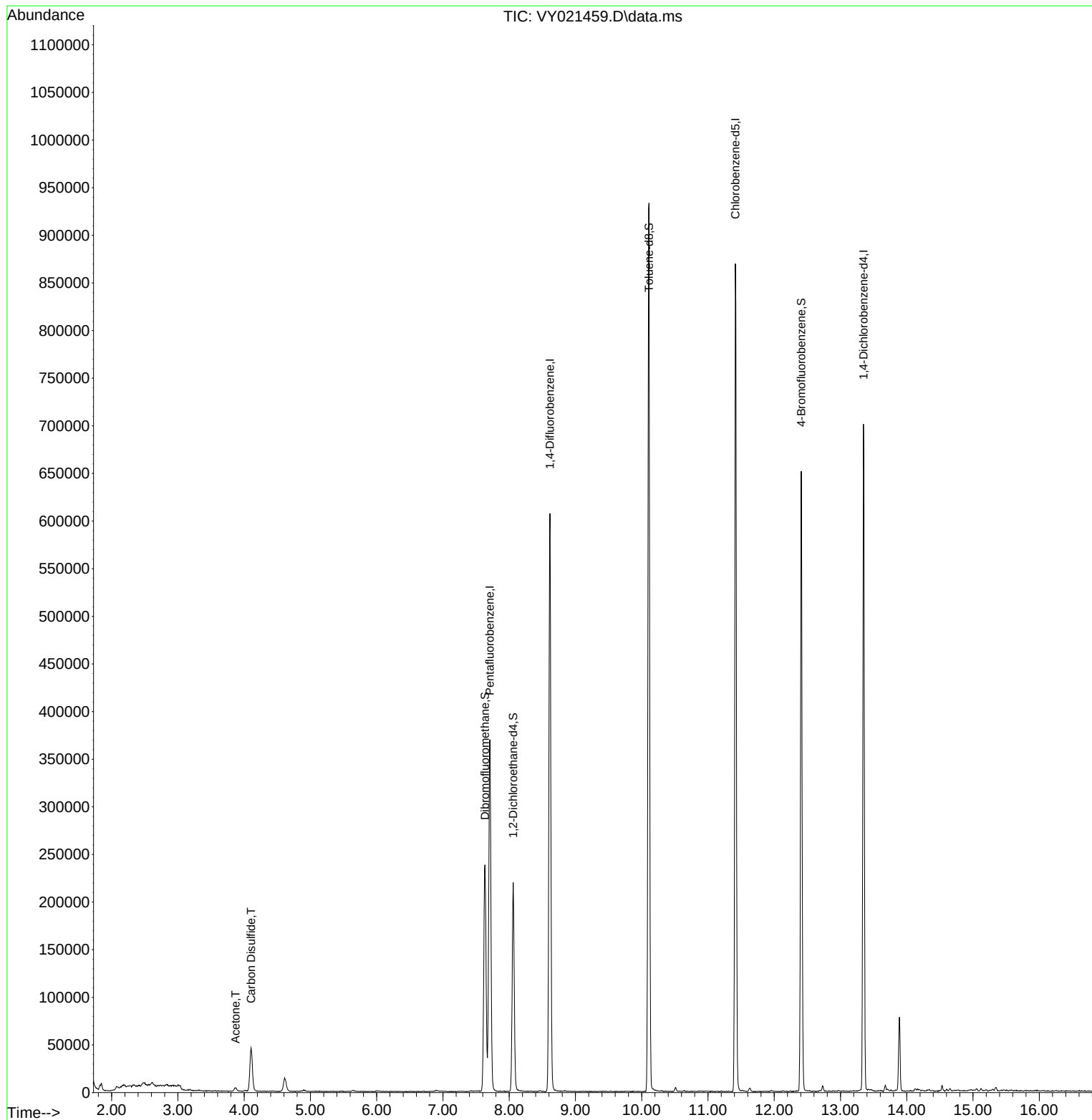
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021459.D
Acq On : 07 Mar 2025 14:28
Operator : SY/MD
Sample : Q1488-07
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

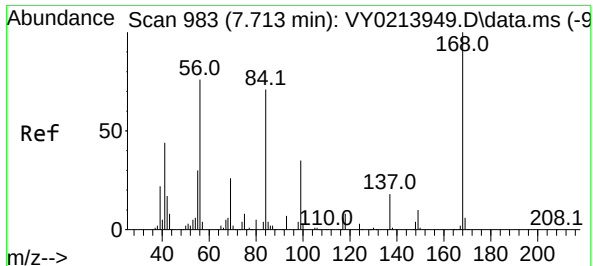
Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

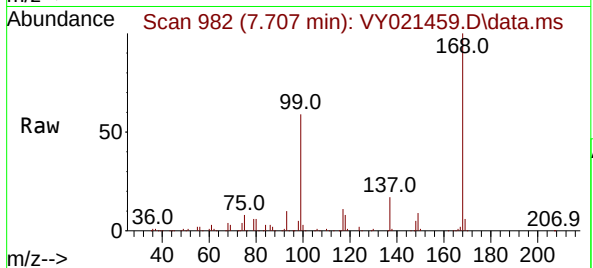
Quant Time: Mar 08 00:36:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

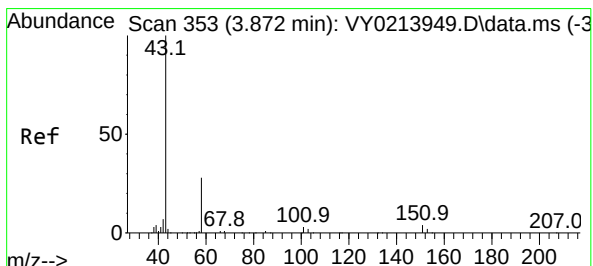
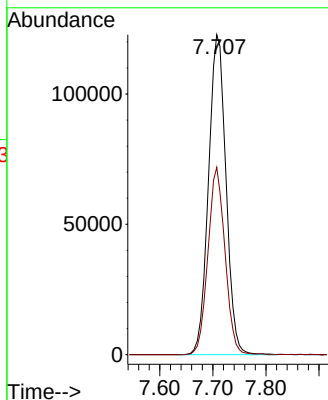
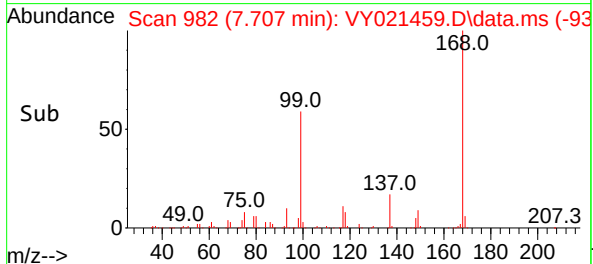
Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02



Tgt Ion:168 Resp: 280904
Ion Ratio Lower Upper
168 100
99 58.5 46.0 69.0

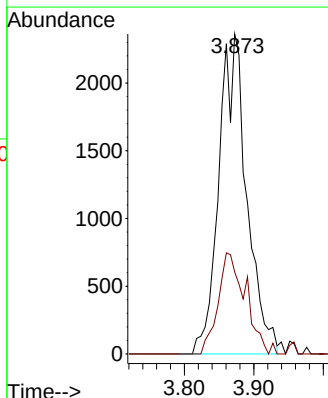
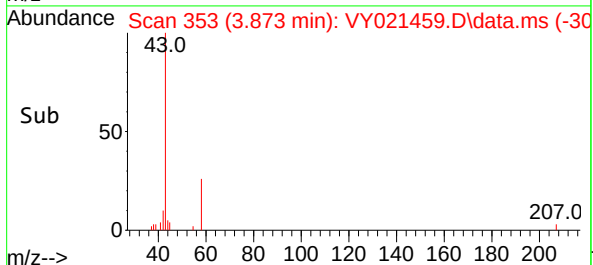
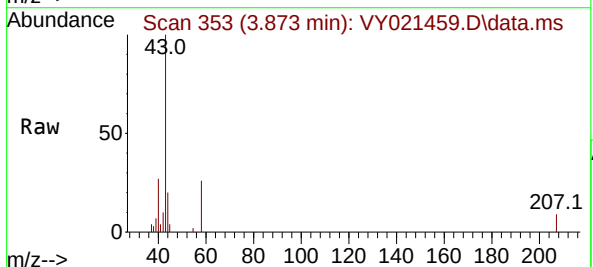
Manual Integrations APPROVED

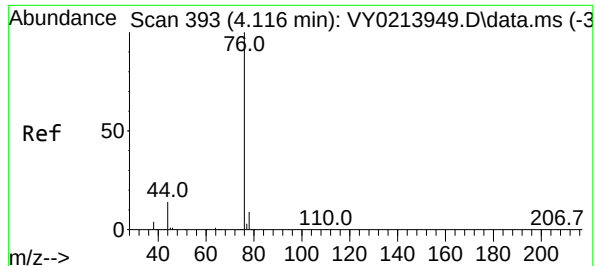
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#16
Acetone
Concen: 10.189 ug/l m
RT: 3.873 min Scan# 353
Delta R.T. 0.001 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

Tgt Ion: 43 Resp: 6598
Ion Ratio Lower Upper
43 100
58 25.6 22.1 33.1





#17

Carbon Disulfide

Concen: 9.921 ug/l

RT: 4.104 min Scan# 391

Delta R.T. -0.012 min

Lab File: VY021459.D

Acq: 07 Mar 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

ENV-102-SB02

Tgt Ion: 76 Resp: 89720

Ion Ratio Lower Upper

76 100

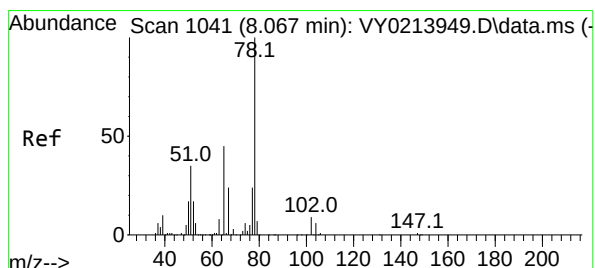
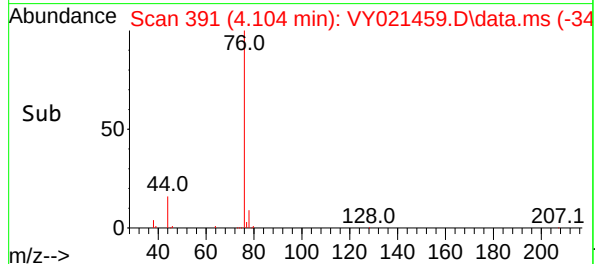
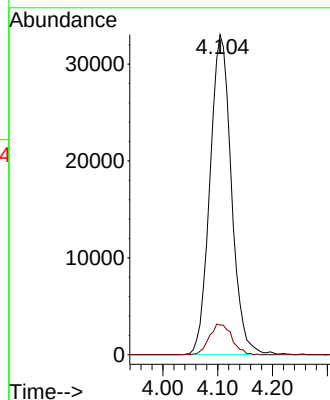
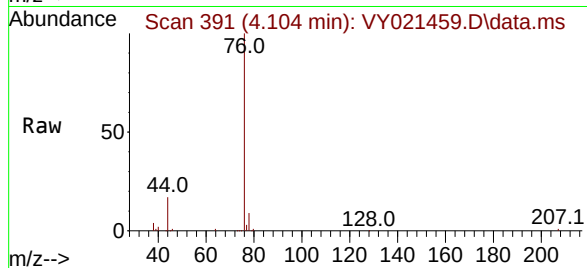
78 9.3 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025

Supervised By :Semsettin Yesilyurt 03/11/2025



#33

1,2-Dichloroethane-d4

Concen: 56.892 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021459.D

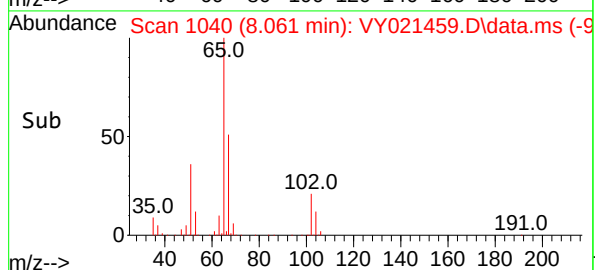
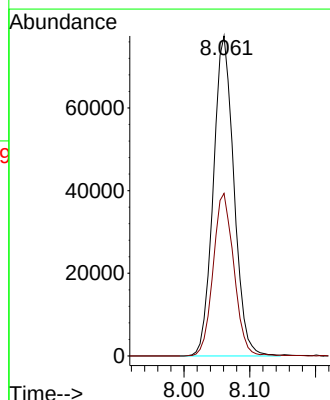
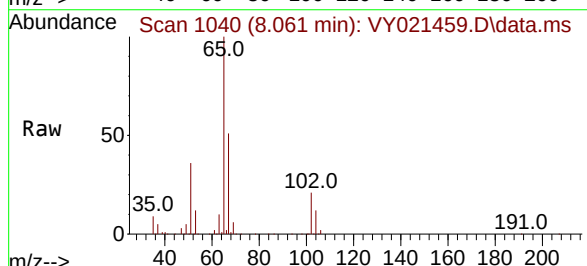
Acq: 07 Mar 2025 14:28

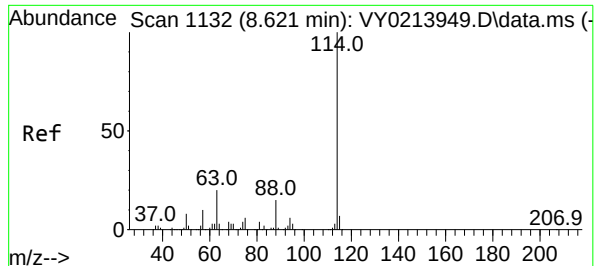
Tgt Ion: 65 Resp: 168912

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021459.D

Acq: 07 Mar 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

ENV-102-SB02

Tgt Ion:114 Resp: 508130

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

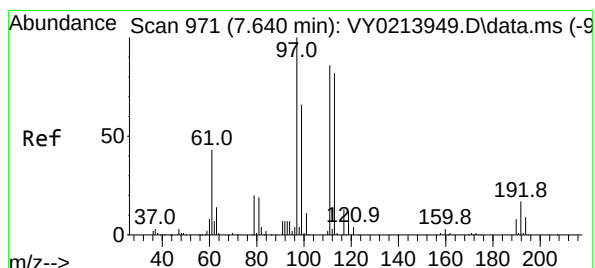
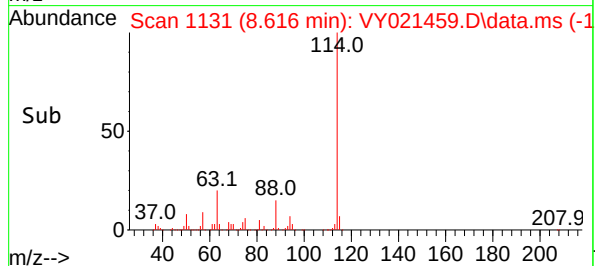
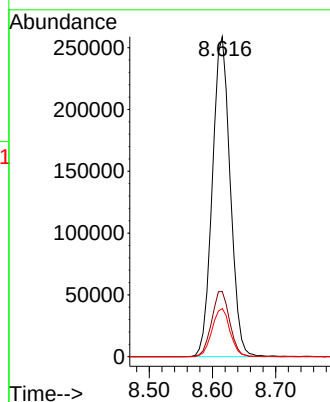
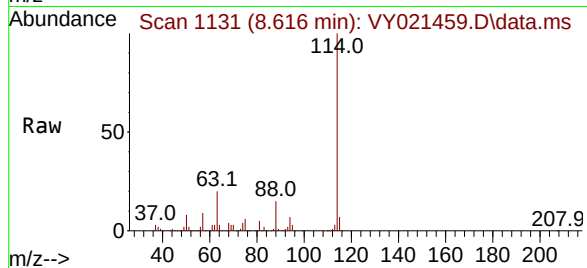
88 15.1 0.0 30.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025

Supervised By :Semsettin Yesilyurt 03/11/2025



#35

Dibromofluoromethane

Concen: 50.511 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021459.D

Acq: 07 Mar 2025 14:28

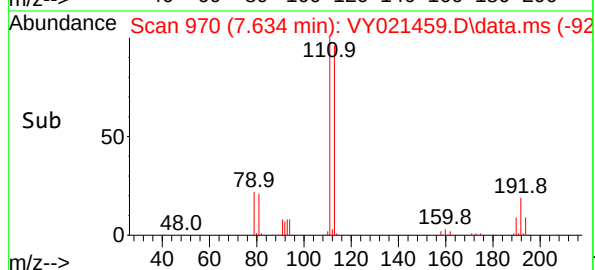
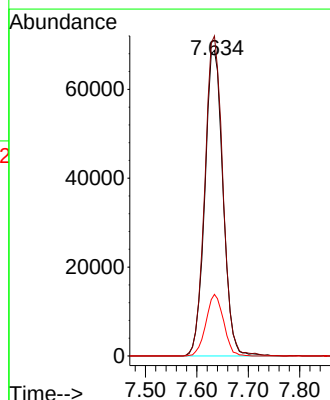
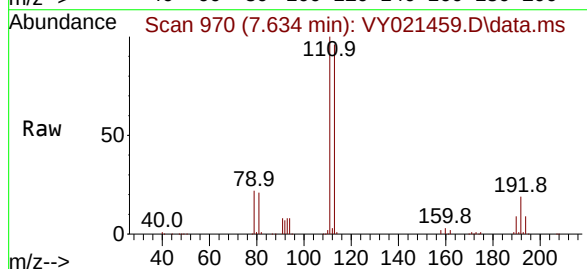
Tgt Ion:113 Resp: 168708

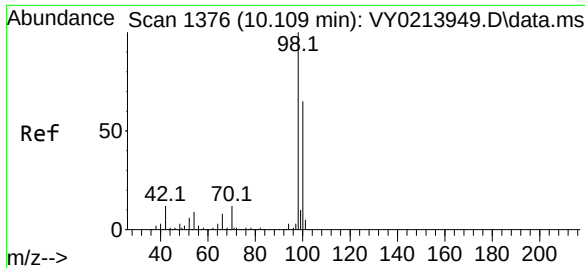
Ion Ratio Lower Upper

113 100

111 103.8 82.0 123.0

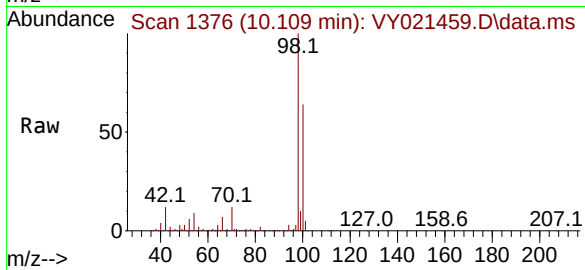
192 19.6 15.9 23.9





#50
Toluene-d8
Concen: 47.874 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

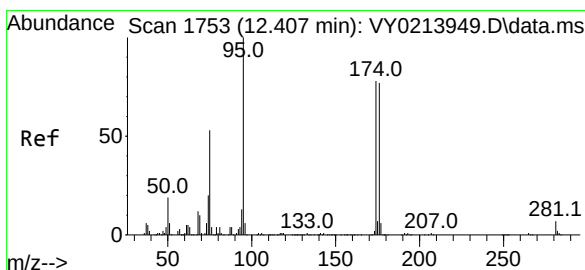
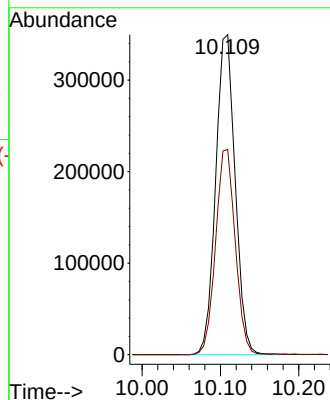
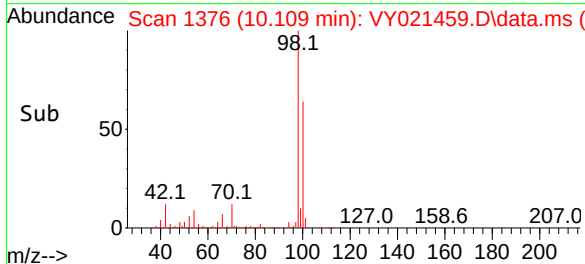
Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02



Tgt Ion: 98 Resp: 605434
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1

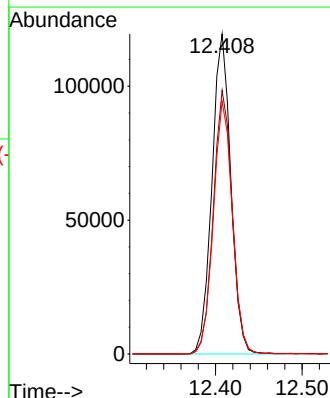
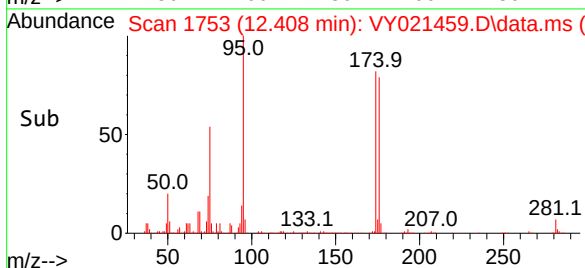
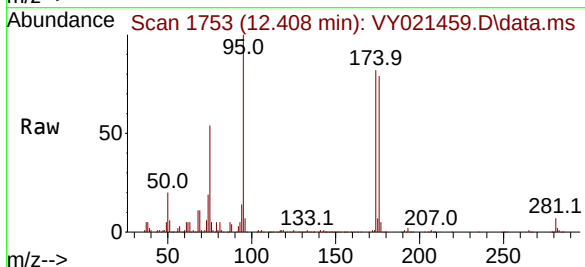
Manual Integrations
APPROVED

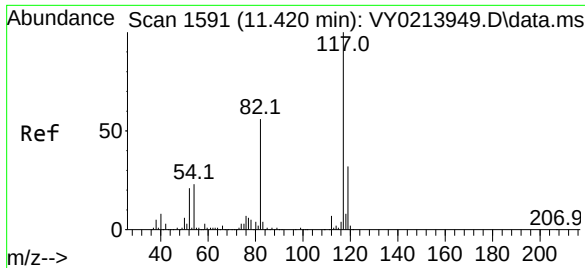
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#62
4-Bromofluorobenzene
Concen: 42.014 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

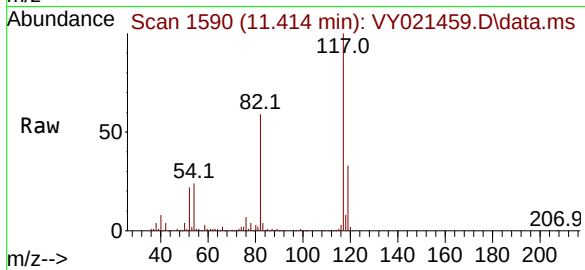
Tgt Ion: 95 Resp: 180735
Ion Ratio Lower Upper
95 100
174 82.8 0.0 165.0
176 79.6 0.0 160.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28

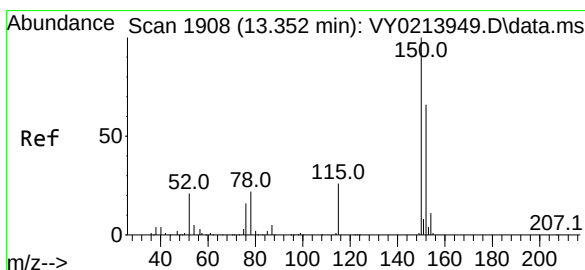
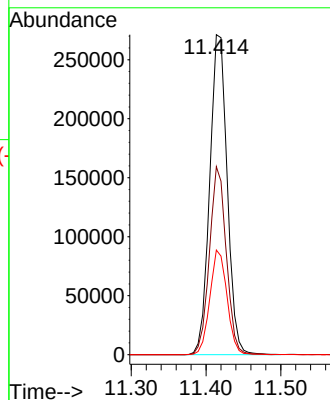
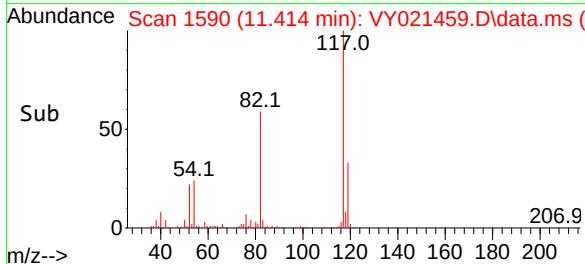
Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02



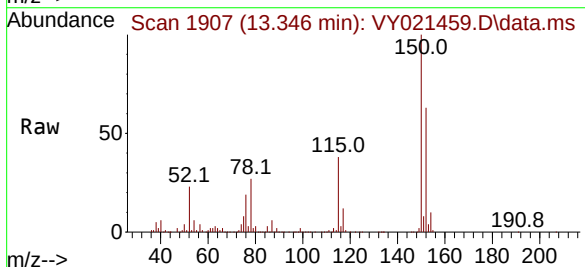
Tgt Ion:117 Resp: 440250
Ion Ratio Lower Upper
117 100
82 58.8 44.6 67.0
119 32.7 25.4 38.0

Manual Integrations
APPROVED

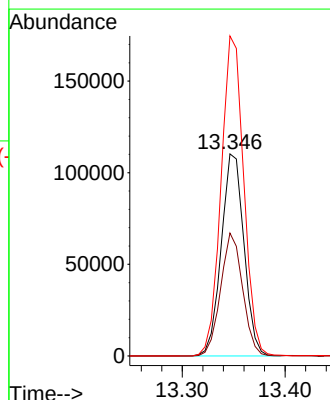
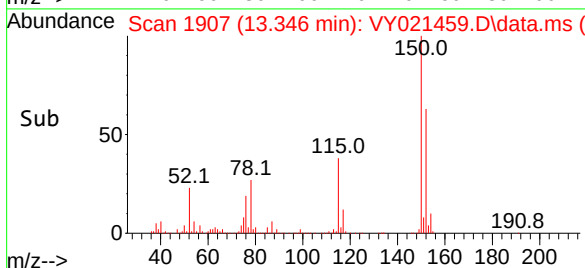
Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021459.D
Acq: 07 Mar 2025 14:28



Tgt Ion:152 Resp: 168898
Ion Ratio Lower Upper
152 100
115 58.9 29.0 87.0
150 157.9 0.0 347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021459.D
 Acq On : 07 Mar 2025 14:28
 Operator : SY/MD
 Sample : Q1488-07
 Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-102-SB02

A
B
C
D
E
F
G
H
I
J

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M

Title : SW846 8260

Signal : TIC: VY021459.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.104	382	391	405	rVB	45351	121696	7.41%	1.424%
2	4.610	463	474	488	rBV3	14257	43542	2.65%	0.510%
3	7.634	959	970	976	rBV	237838	578627	35.22%	6.773%
4	7.707	976	982	998	rVB	368911	844566	51.41%	9.886%
5	8.061	1028	1040	1054	rBV	219366	474842	28.90%	5.558%
6	8.616	1119	1131	1143	rBV	607082	1207243	73.48%	14.131%
7	10.109	1368	1376	1386	rBV	932858	1642918	100.00%	19.231%
8	11.414	1582	1590	1602	rBV	869276	1399806	85.20%	16.385%
9	12.408	1745	1753	1765	rBV2	650873	1043472	63.51%	12.214%
10	13.346	1900	1907	1917	rVB	699214	1062515	64.67%	12.437%
11	13.889	1987	1996	2002	rVB2	77261	123873	7.54%	1.450%

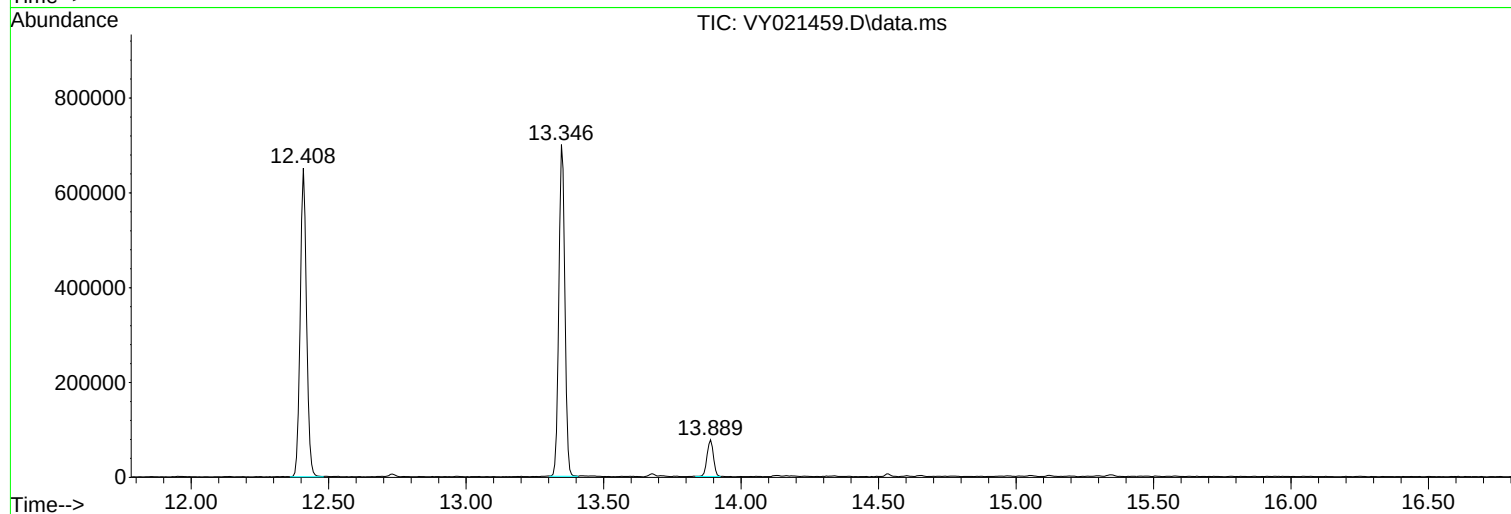
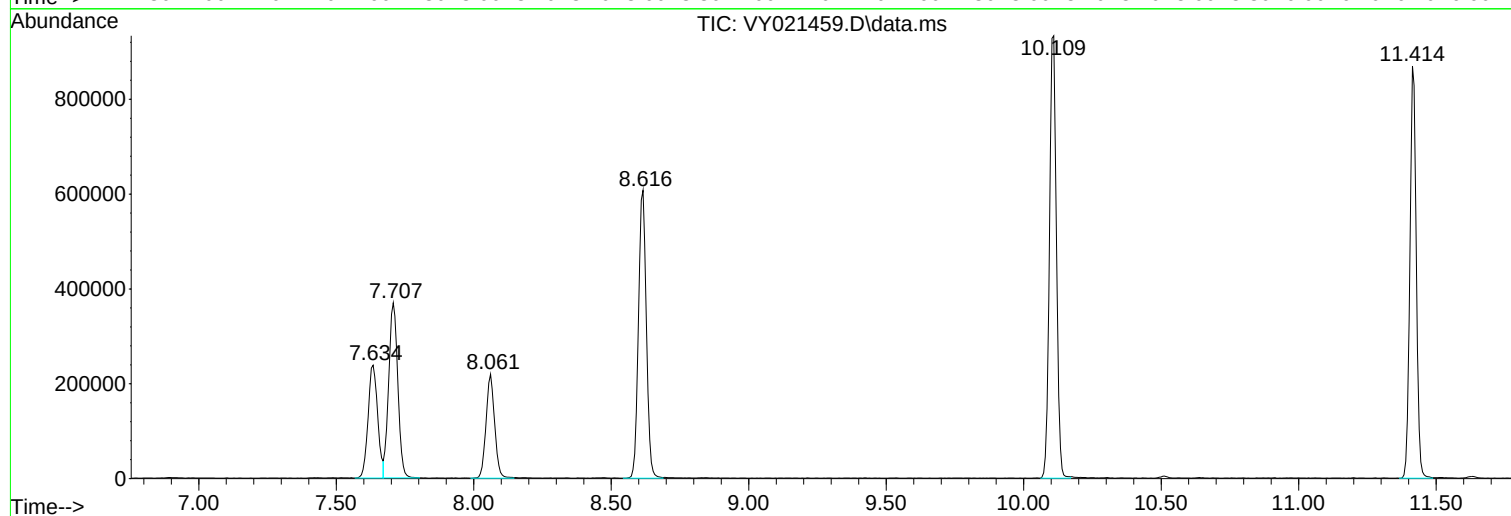
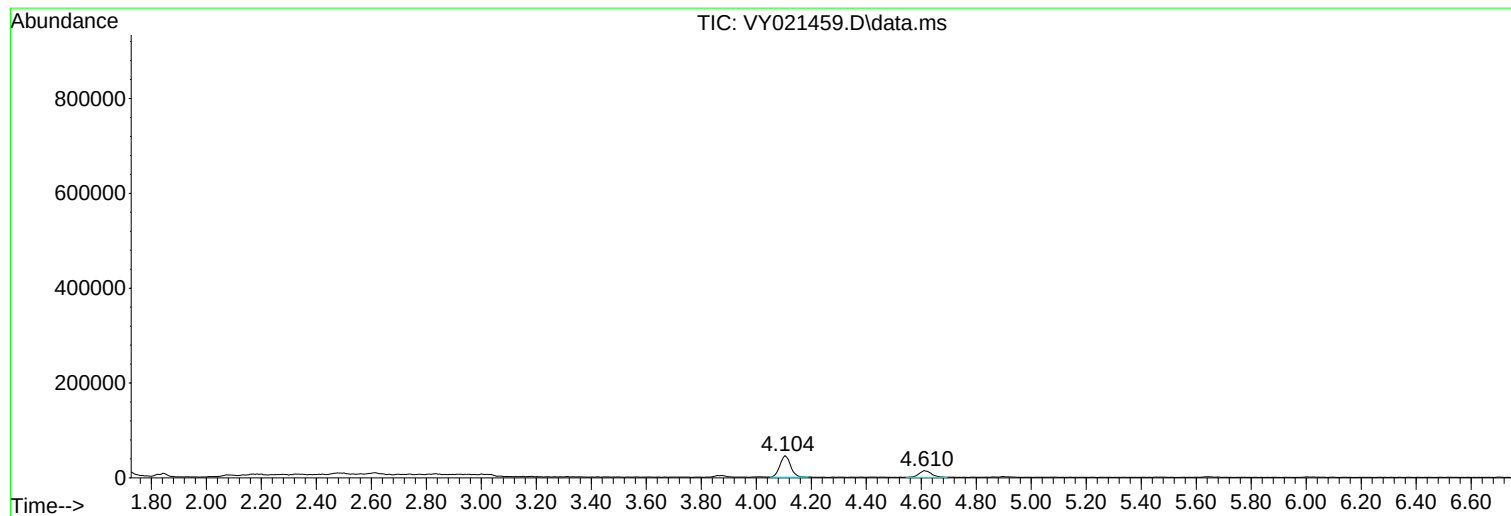
Sum of corrected areas: 8543100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021459.D
Acq On : 07 Mar 2025 14:28
Operator : SY/MD
Sample : Q1488-07
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021459.D
Acq On : 07 Mar 2025 14:28
Operator : SY/MD
Sample : Q1488-07
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021459.D
Acq On : 07 Mar 2025 14:28
Operator : SY/MD
Sample : Q1488-07
Misc : 7.40g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-102-SB02

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

A
B
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Quant Time: Mar 07 22:01:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

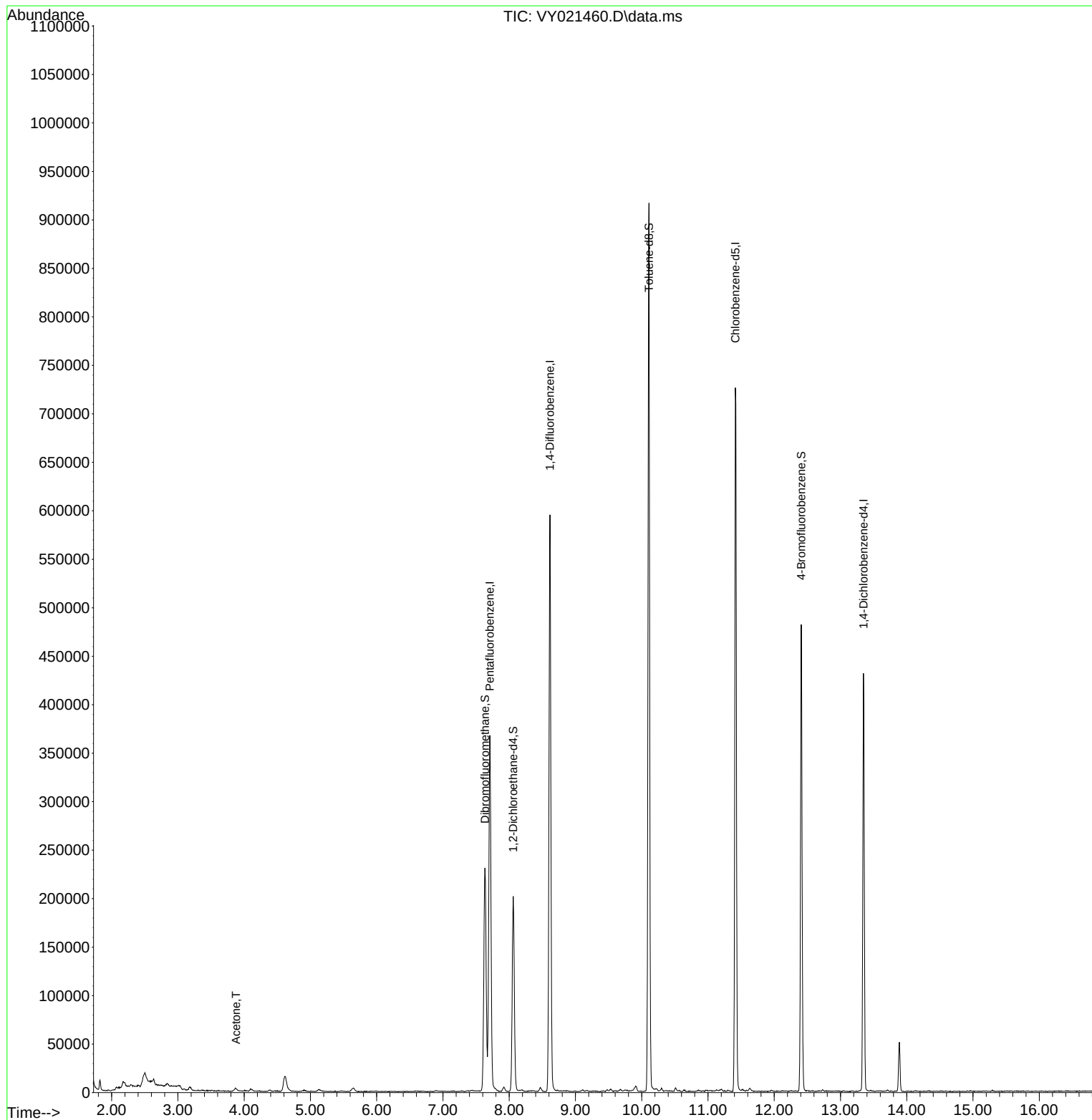
Internal Standards						
1) Pentafluorobenzene	7.707	168	272187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	106159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	160785	55.889	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.780%
35) Dibromofluoromethane	7.634	113	164592	52.252	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.500%
50) Toluene-d8	10.109	98	579055	48.551	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.100%
62) 4-Bromofluorobenzene	12.408	95	133721	32.960	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.920%
Target Compounds						
16) Acetone	3.879	43	5515	8.789	ug/l	Qvalue 93

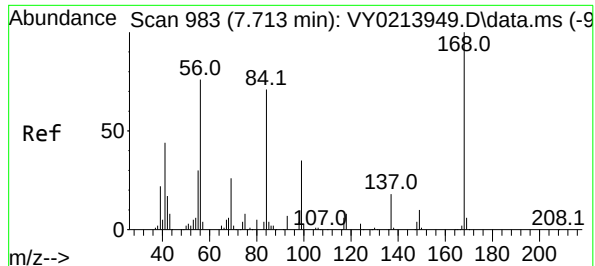
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Quant Time: Mar 07 22:01:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

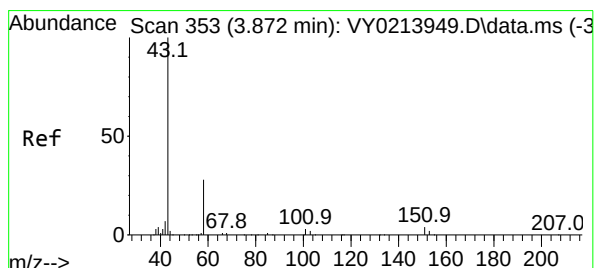
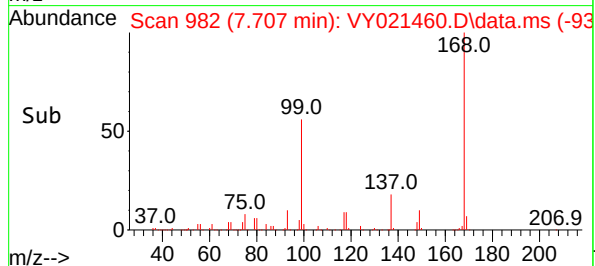
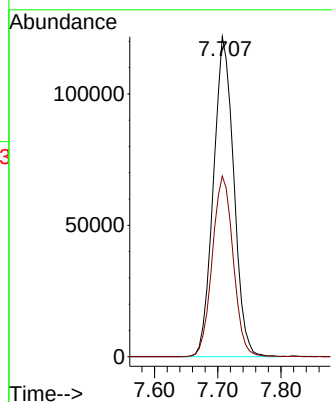
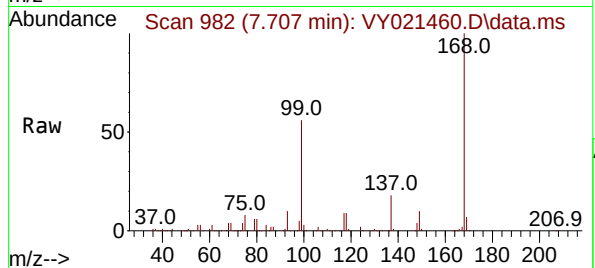




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

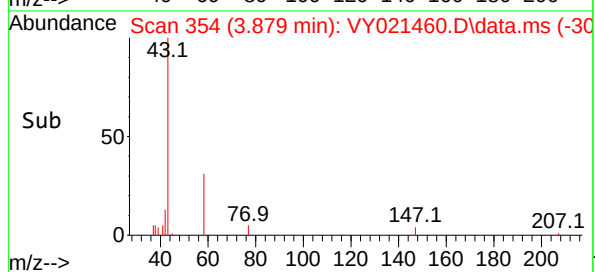
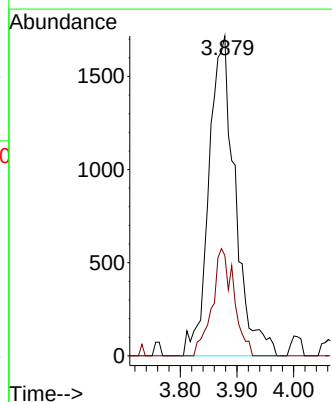
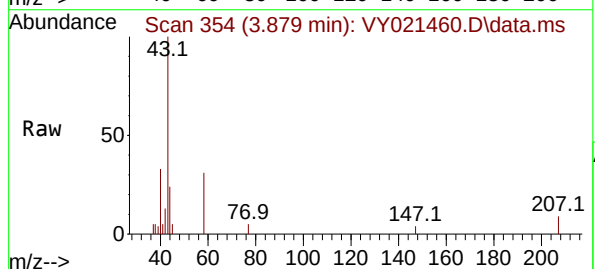
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

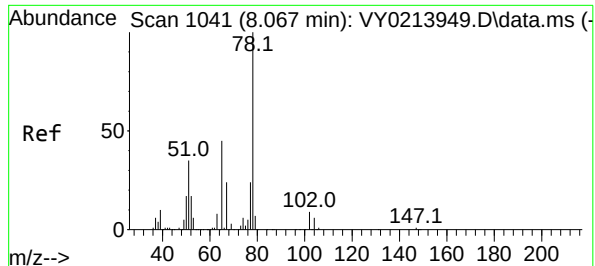
Tgt Ion:168 Resp: 272187
Ion Ratio Lower Upper
168 100
99 56.5 46.0 69.0



#16
Acetone
Concen: 8.789 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.007 min
Lab File: VY021460.D
Acq: 07 Mar 2025 14:52

Tgt Ion: 43 Resp: 5515
Ion Ratio Lower Upper
43 100
58 31.4 22.1 33.1





#33

1,2-Dichloroethane-d4

Concen: 55.889 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021460.D

Acq: 07 Mar 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

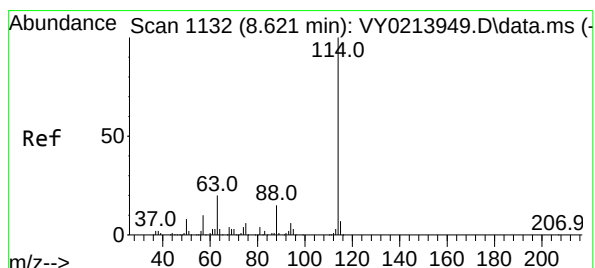
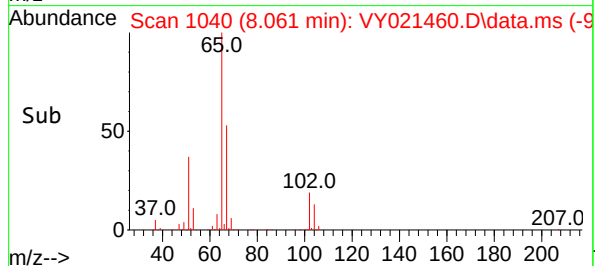
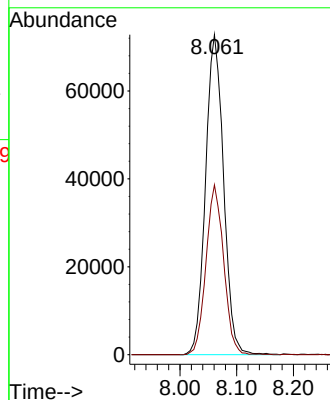
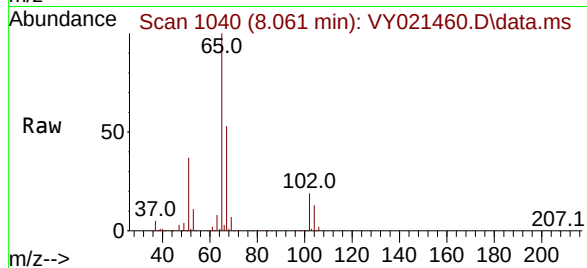
ENV-104-SB01

Tgt Ion: 65 Resp: 160785

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021460.D

Acq: 07 Mar 2025 14:52

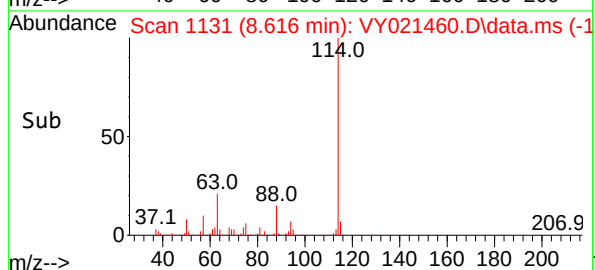
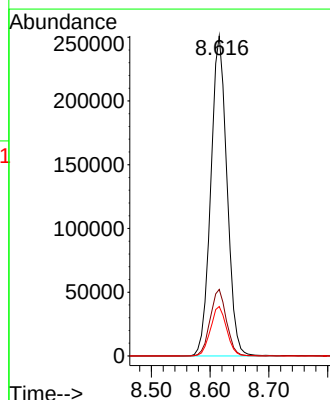
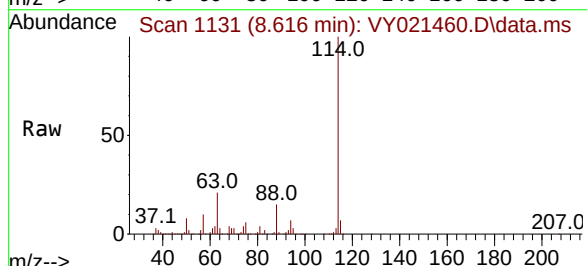
Tgt Ion: 114 Resp: 479219

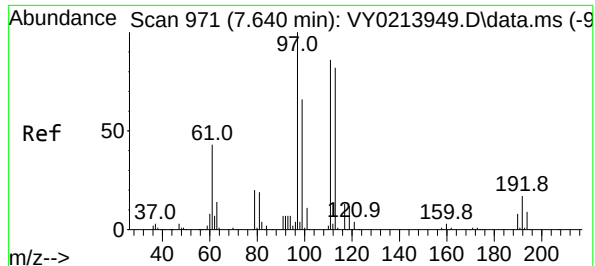
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.4 0.0 30.8





#35

Dibromofluoromethane

Concen: 52.252 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY021460.D

Acq: 07 Mar 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB01

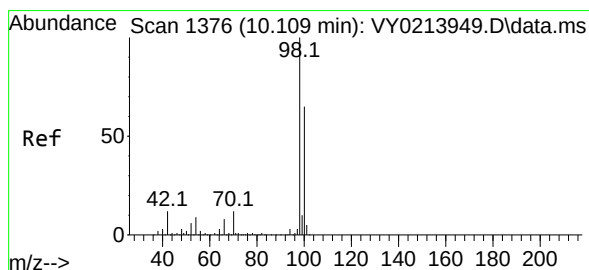
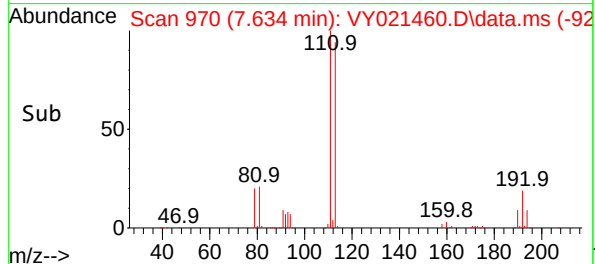
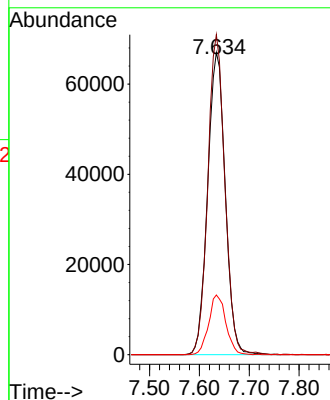
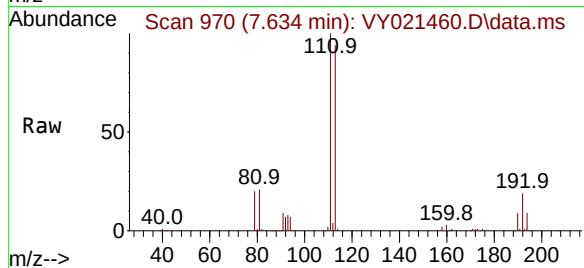
Tgt Ion:113 Resp: 164592

Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 19.3 15.9 23.9



#50

Toluene-d8

Concen: 48.551 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021460.D

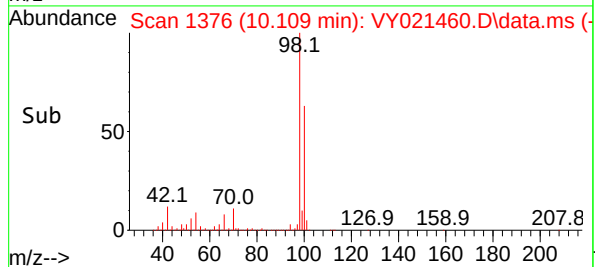
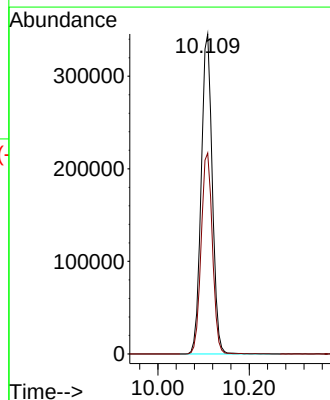
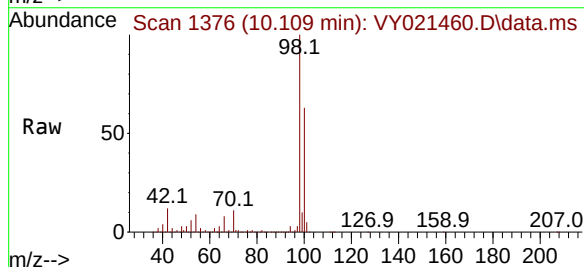
Acq: 07 Mar 2025 14:52

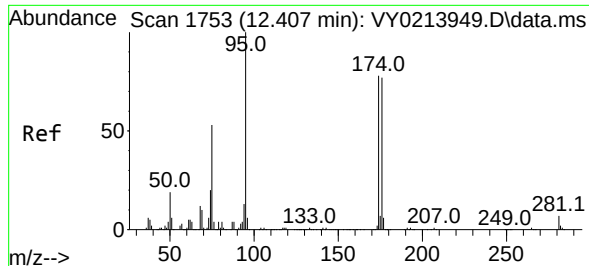
Tgt Ion: 98 Resp: 579055

Ion Ratio Lower Upper

98 100

100 63.8 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 32.960 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021460.D

Acq: 07 Mar 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB01

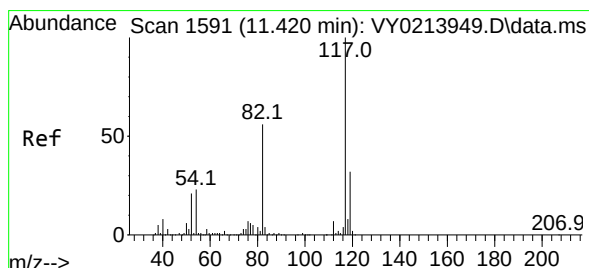
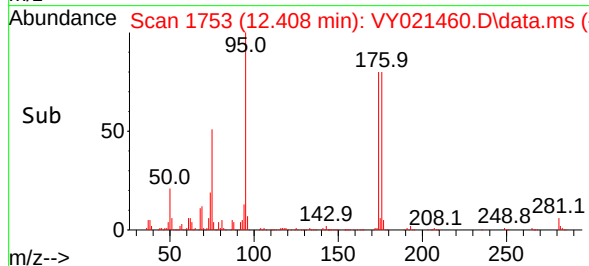
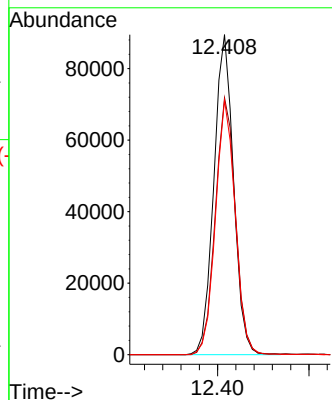
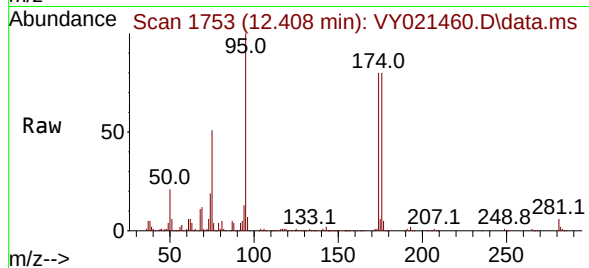
Tgt Ion: 95 Resp: 133721

Ion Ratio Lower Upper

95 100

174 82.6 0.0 165.0

176 79.6 0.0 160.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY021460.D

Acq: 07 Mar 2025 14:52

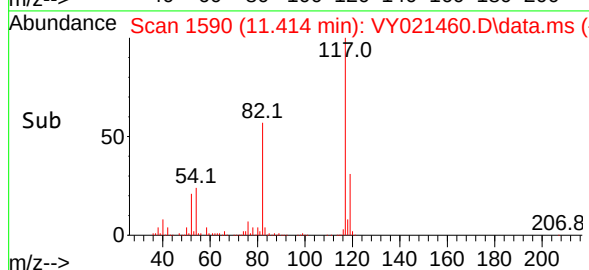
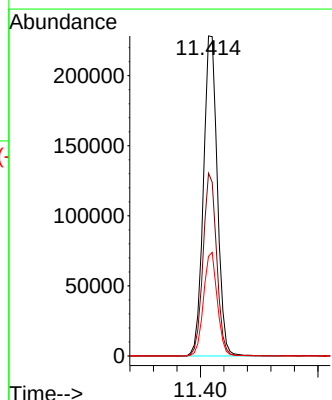
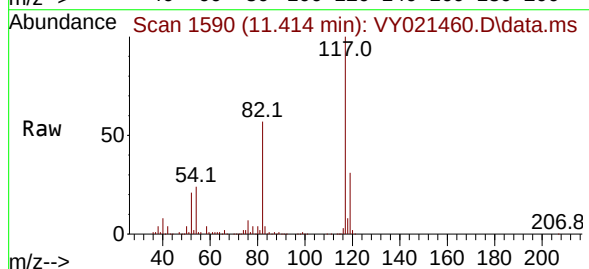
Tgt Ion: 117 Resp: 375437

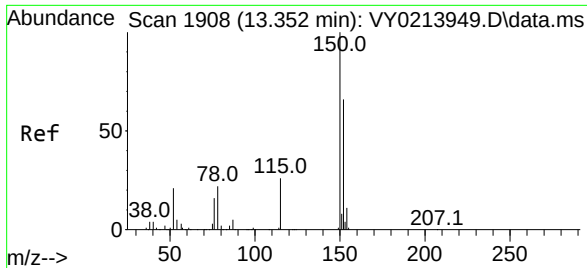
Ion Ratio Lower Upper

117 100

82 57.1 44.6 67.0

119 31.2 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021460.D

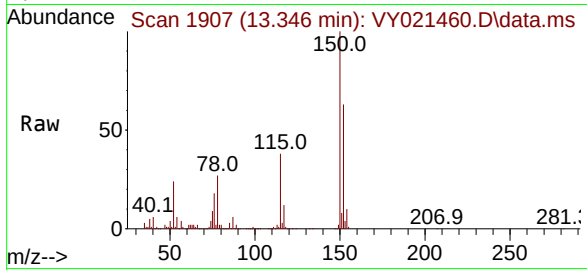
Acq: 07 Mar 2025 14:52

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB01



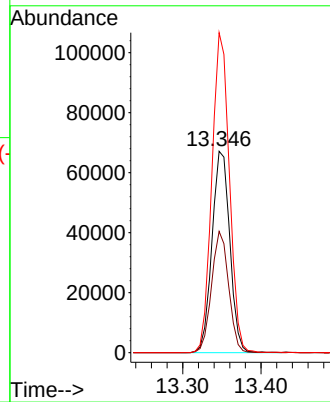
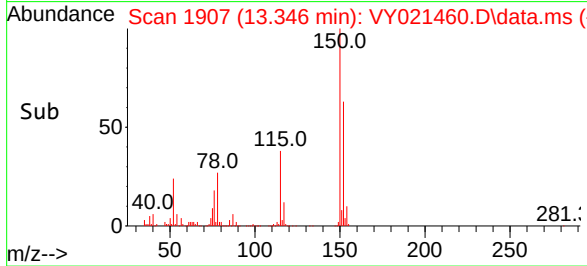
Tgt Ion:152 Resp: 106159

Ion Ratio Lower Upper

152 100

115 57.7 29.0 87.0

150 155.8 0.0 347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

A
B
C
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Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M

Title : SW846 8260

Signal : TIC: VY021460.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.501	116	128	137	rBV10	14675	63692	4.08%	0.862%
2	4.616	463	475	492	rBV3	15735	59444	3.81%	0.804%
3	7.634	958	970	976	rBV2	230297	561302	35.99%	7.594%
4	7.707	976	982	994	rVB	364320	823642	52.81%	11.143%
5	8.061	1030	1040	1052	rBV	201221	450805	28.90%	6.099%
6	8.616	1122	1131	1145	rBV	594633	1151235	73.81%	15.575%
7	10.109	1368	1376	1388	rBV	915854	1559733	100.00%	21.102%
8	11.414	1583	1590	1604	rBV	725855	1196768	76.73%	16.191%
9	12.408	1745	1753	1765	rBV2	481424	774375	49.65%	10.477%
10	13.346	1891	1907	1920	rBV	431378	670227	42.97%	9.068%
11	13.889	1990	1996	2003	rVB	50654	80153	5.14%	1.084%

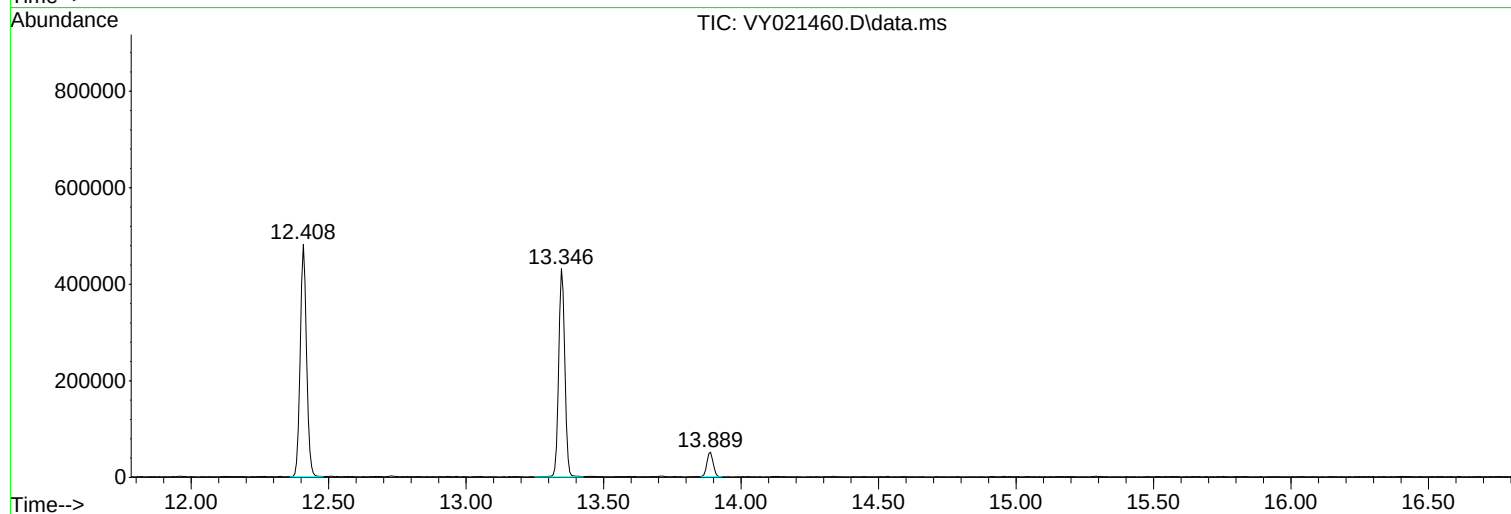
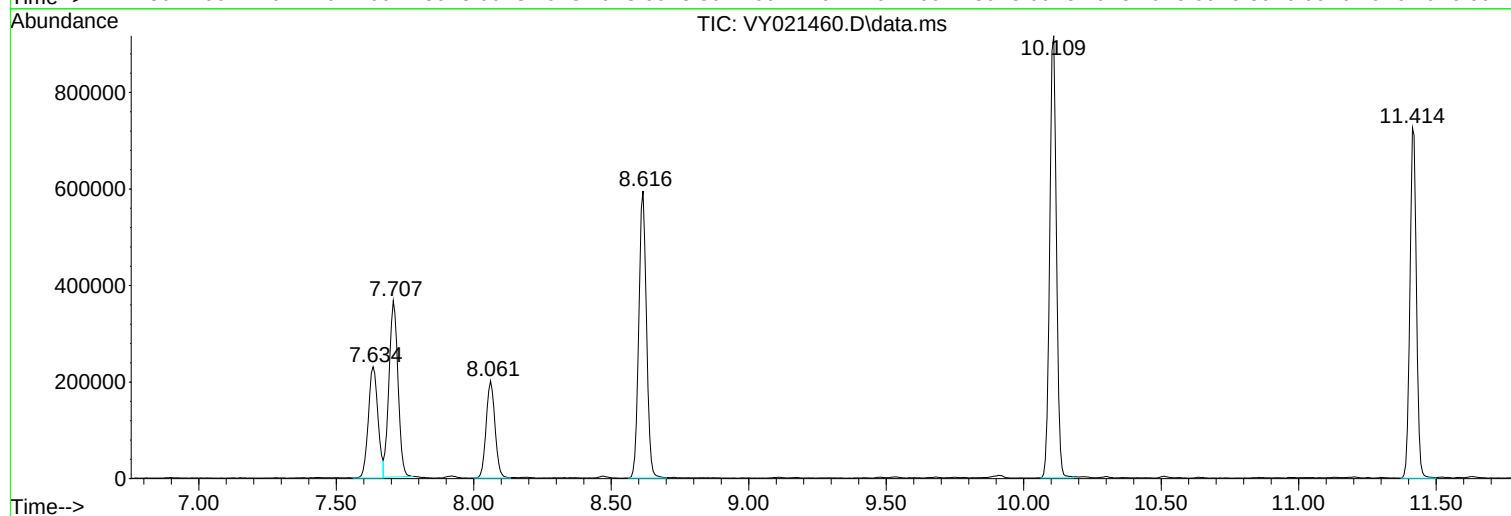
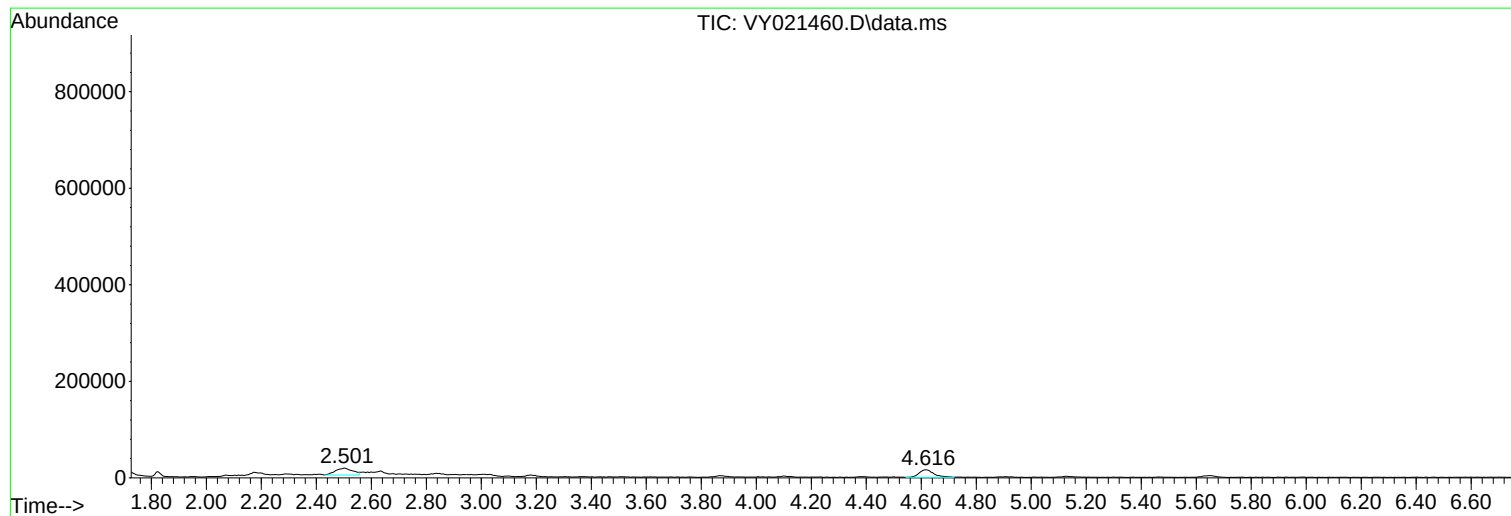
Sum of corrected areas: 7391376

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021460.D
Acq On : 07 Mar 2025 14:52
Operator : SY/MD
Sample : Q1488-09
Misc : 5.92g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021461.D
 Acq On : 07 Mar 2025 15:15
 Operator : SY/MD
 Sample : Q1488-11
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-104-SB02

A
B
C
D
E
F
G
H
I
J

Quant Time: Mar 07 22:02:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

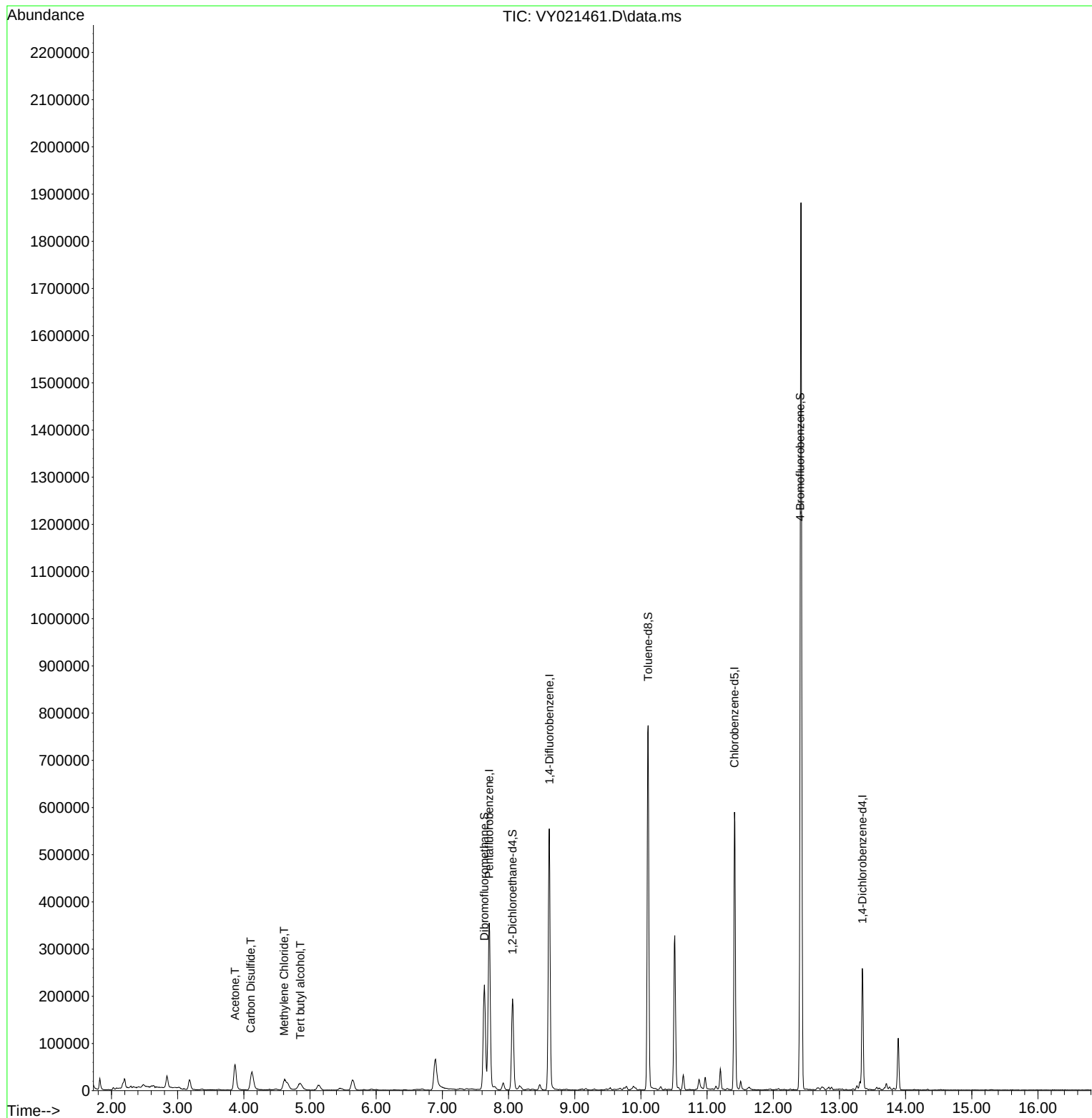
Internal Standards						
1) Pentafluorobenzene	7.707	168	263229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450669	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	301719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	63186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153458	55.158	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.320%			
35) Dibromofluoromethane	7.634	113	154689	52.219	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.440%			
50) Toluene-d8	10.109	98	496396	44.257	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 88.520%			
62) 4-Bromofluorobenzene	12.408	95	100255	26.277	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 52.560%			
Target Compounds						
11) Tert butyl alcohol	4.854	59	27141	140.139	ug/l	97
16) Acetone	3.867	43	94589	155.877	ug/l	92
17) Carbon Disulfide	4.104	76	10898	1.286	ug/l	98
20) Methylene Chloride	4.610	84	13740	4.314	ug/l	96

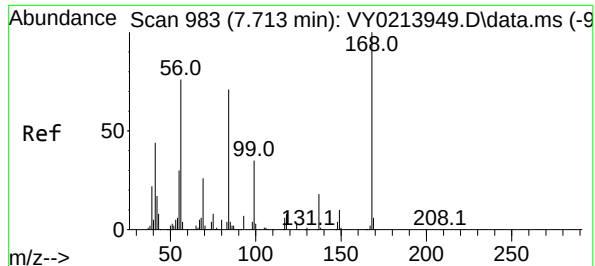
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021461.D
Acq On : 07 Mar 2025 15:15
Operator : SY/MD
Sample : Q1488-11
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Quant Time: Mar 07 22:02:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

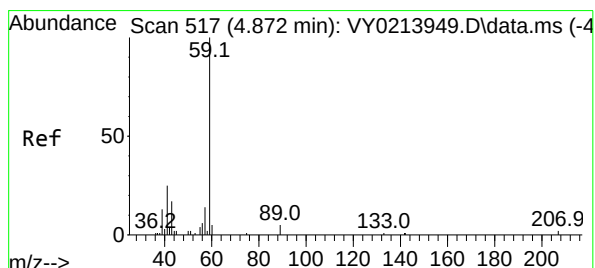
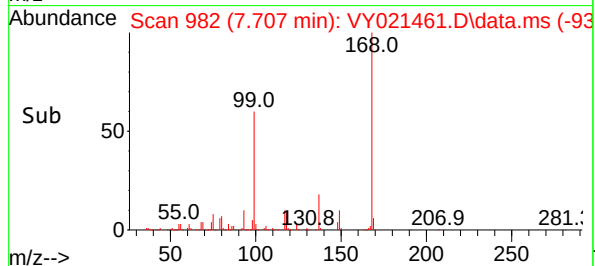
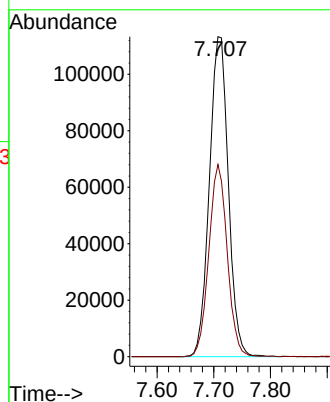
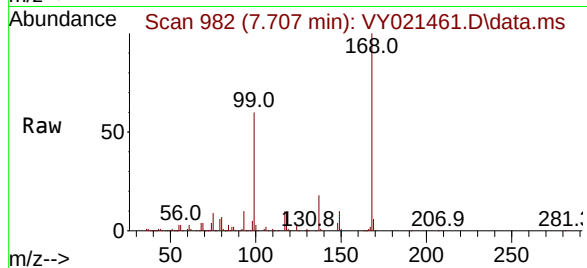




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

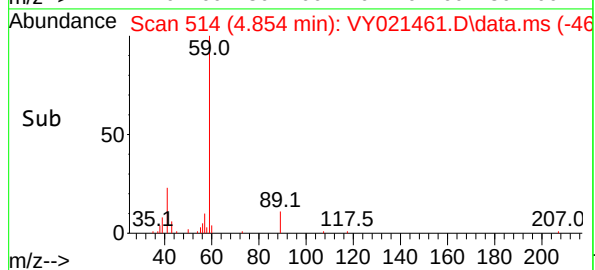
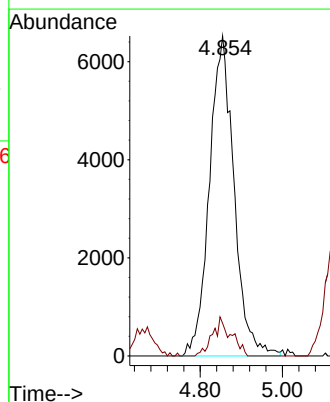
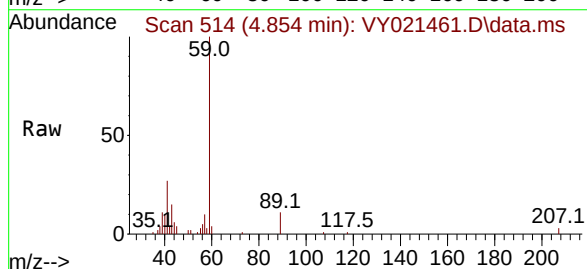
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

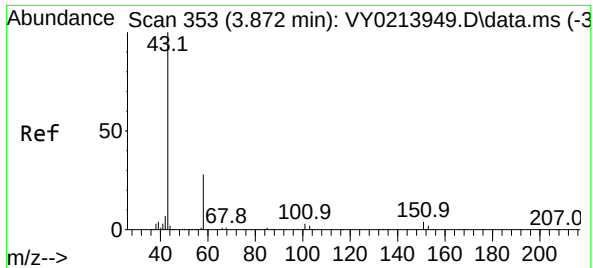
Tgt Ion:168 Resp: 263229
Ion Ratio Lower Upper
168 100
99 60.0 46.0 69.0



#11
Tert butyl alcohol
Concen: 140.139 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 59 Resp: 27141
Ion Ratio Lower Upper
59 100
57 9.1 8.2 12.4

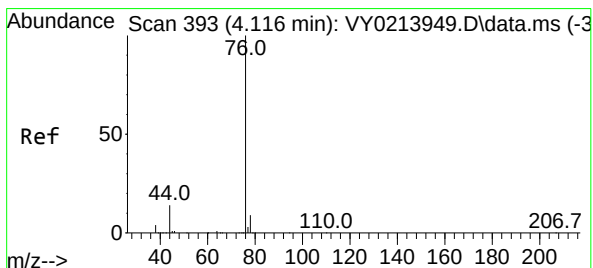
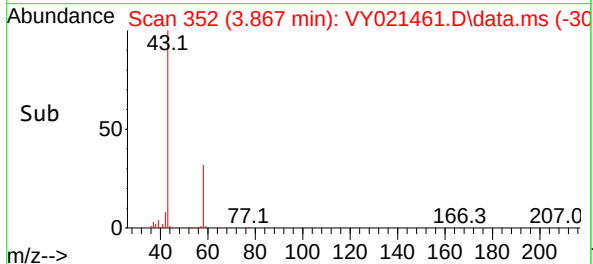
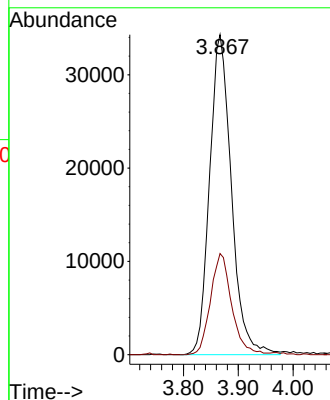
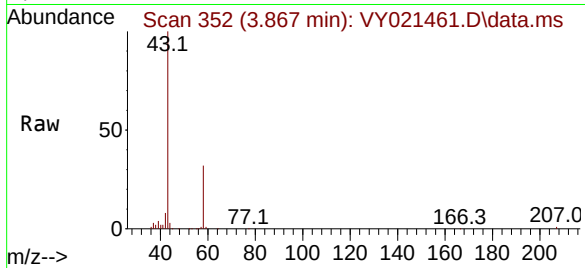




#16
Acetone
Concen: 155.877 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.005 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

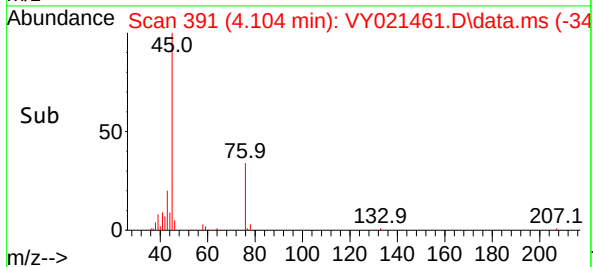
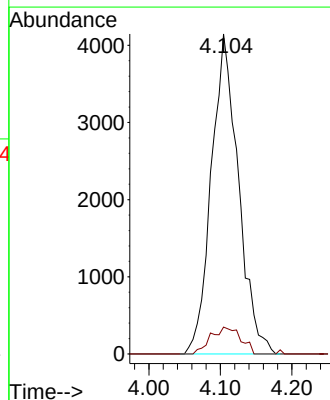
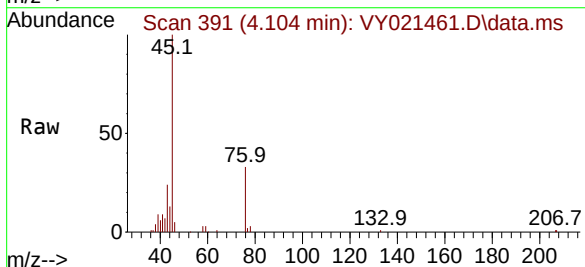
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

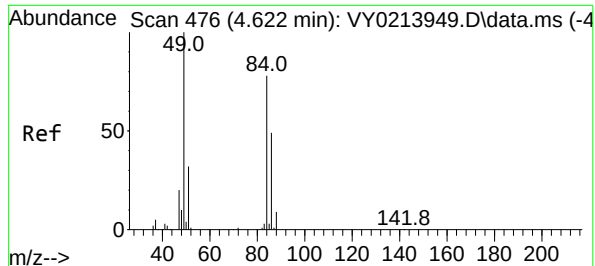
Tgt Ion: 43 Resp: 94589
Ion Ratio Lower Upper
43 100
58 31.6 22.1 33.1



#17
Carbon Disulfide
Concen: 1.286 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.012 min
Lab File: VY021461.D
Acq: 07 Mar 2025 15:15

Tgt Ion: 76 Resp: 10898
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0





#20

Methylene Chloride

Concen: 4.314 ug/l

RT: 4.610 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY021461.D

Acq: 07 Mar 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB02

Tgt Ion: 84 Resp: 13740

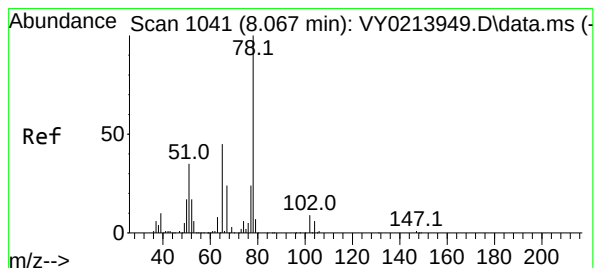
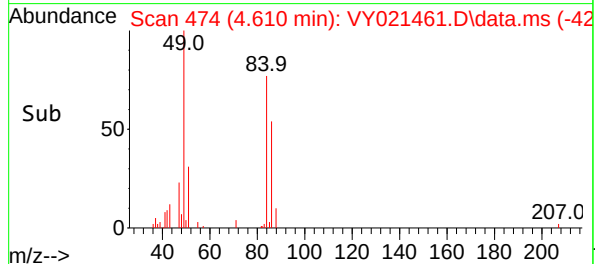
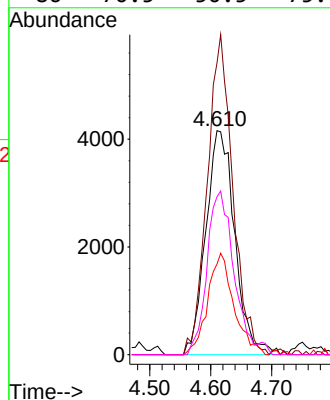
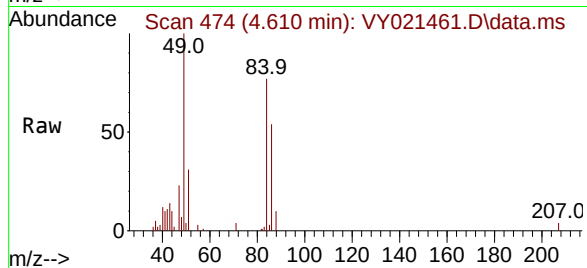
Ion Ratio Lower Upper

84 100

49 130.2 102.0 153.0

51 40.4 33.0 49.6

86 70.5 50.5 75.7



#33

1,2-Dichloroethane-d4

Concen: 55.158 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021461.D

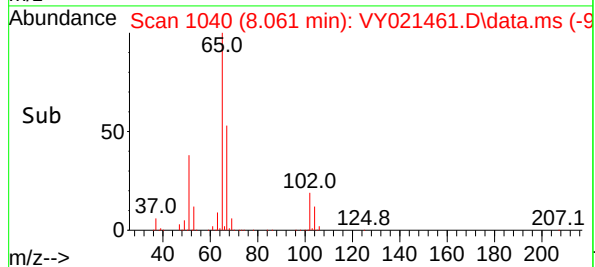
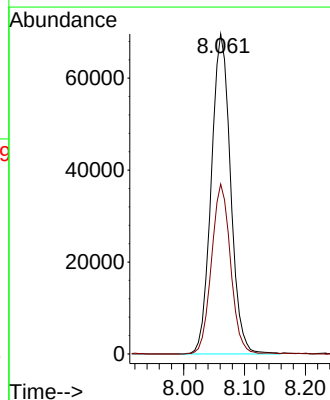
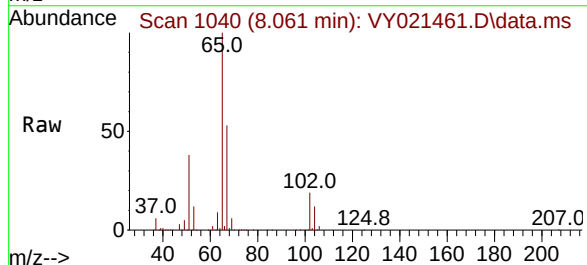
Acq: 07 Mar 2025 15:15

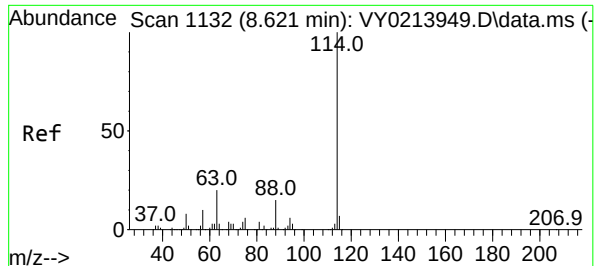
Tgt Ion: 65 Resp: 153458

Ion Ratio Lower Upper

65 100

67 52.3 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021461.D

Acq: 07 Mar 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB02

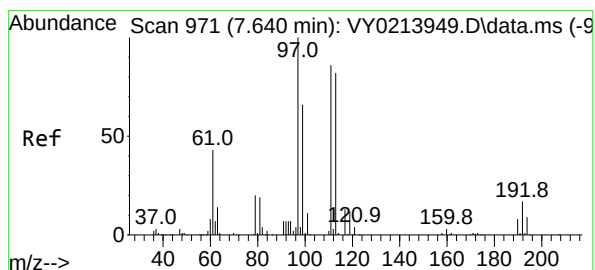
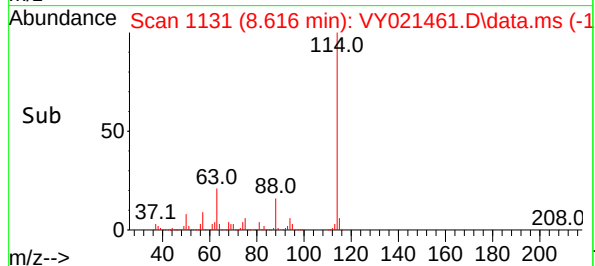
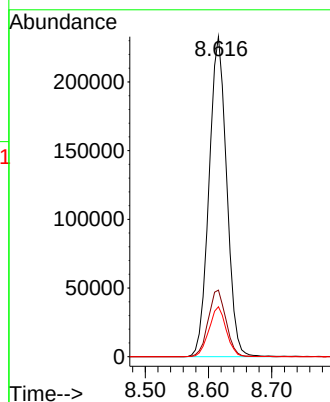
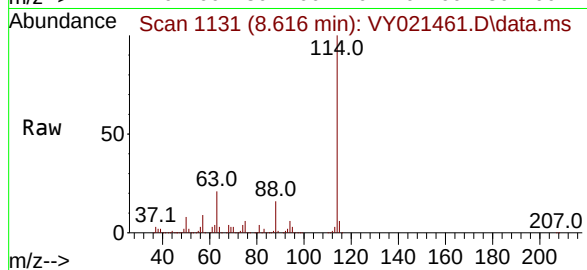
Tgt Ion:114 Resp: 450669

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.6 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.219 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021461.D

Acq: 07 Mar 2025 15:15

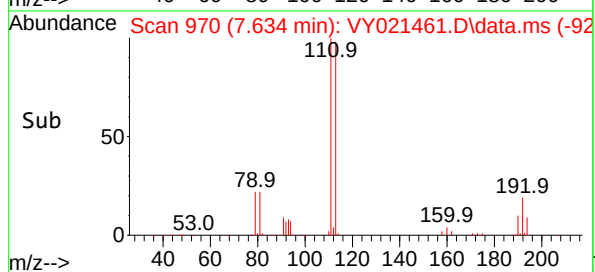
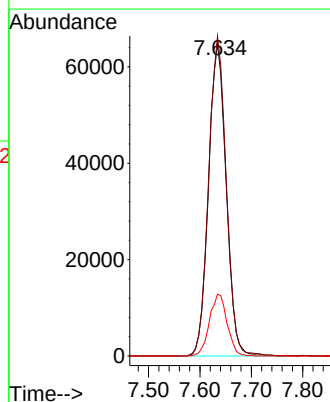
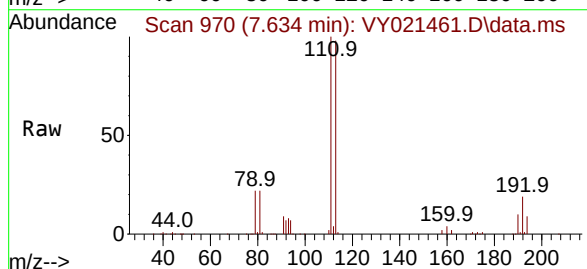
Tgt Ion:113 Resp: 154689

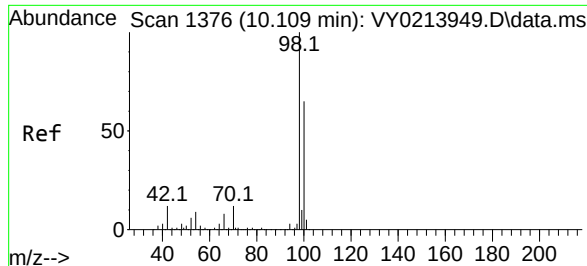
Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 19.7 15.9 23.9





#50

Toluene-d8

Concen: 44.257 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021461.D

Acq: 07 Mar 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

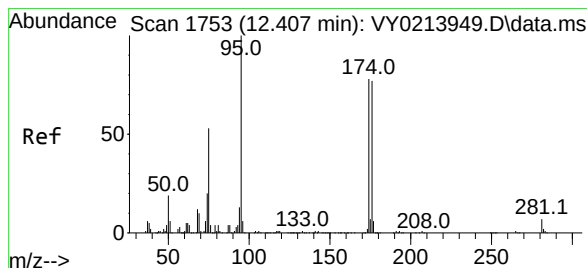
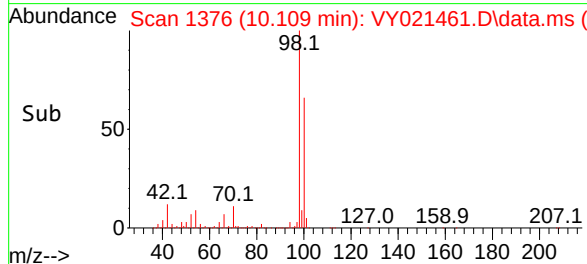
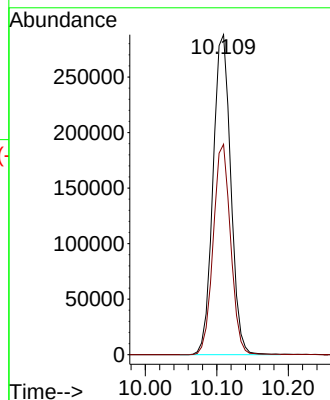
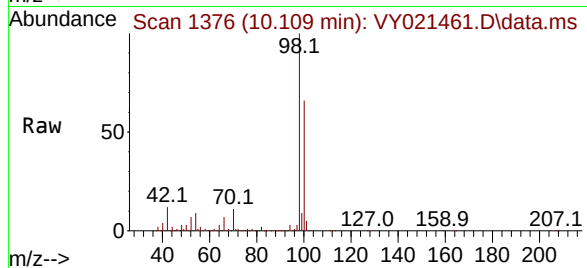
ENV-104-SB02

Tgt Ion: 98 Resp: 496396

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 26.277 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021461.D

Acq: 07 Mar 2025 15:15

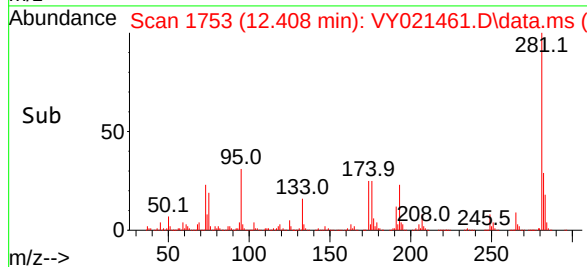
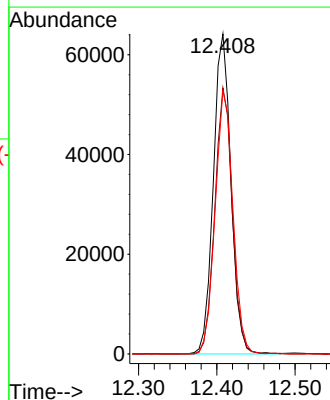
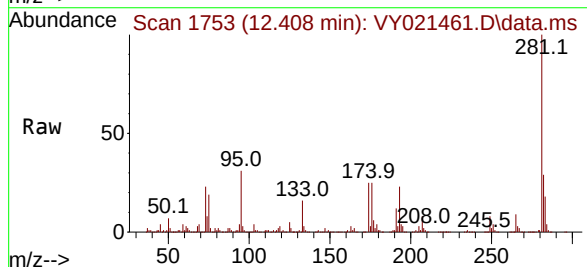
Tgt Ion: 95 Resp: 100255

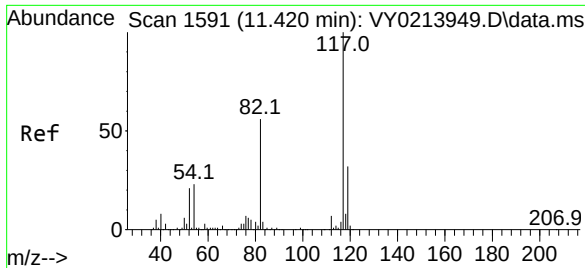
Ion Ratio Lower Upper

95 100

174 82.5 0.0 165.0

176 83.4 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY021461.D

Acq: 07 Mar 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

ENV-104-SB02

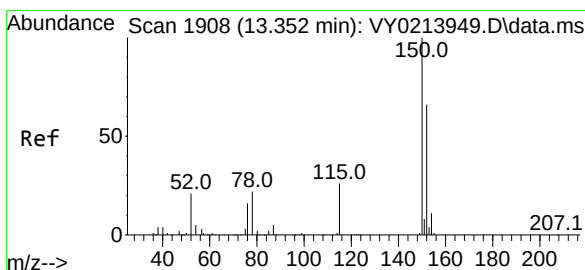
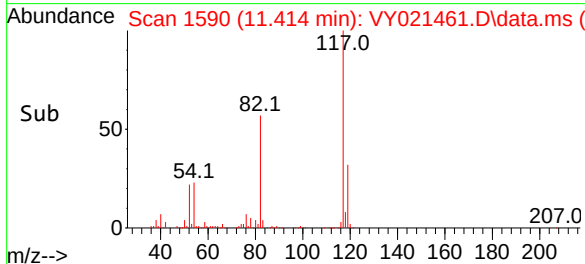
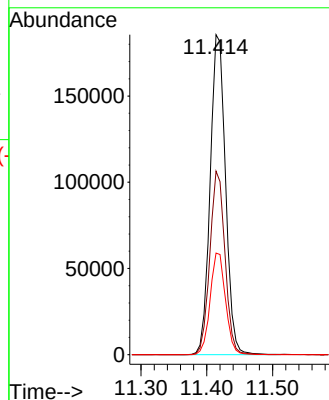
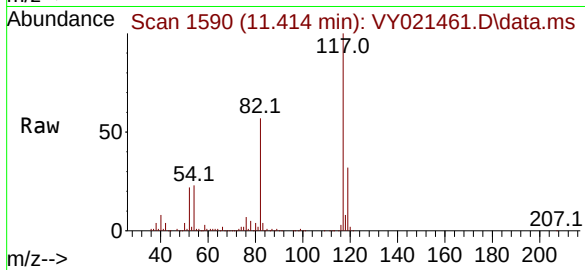
Tgt Ion:117 Resp: 301719

Ion Ratio Lower Upper

117 100

82 57.4 44.6 67.0

119 31.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021461.D

Acq: 07 Mar 2025 15:15

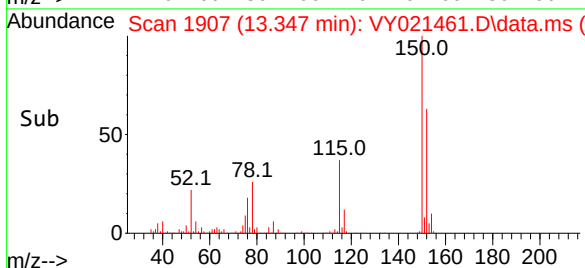
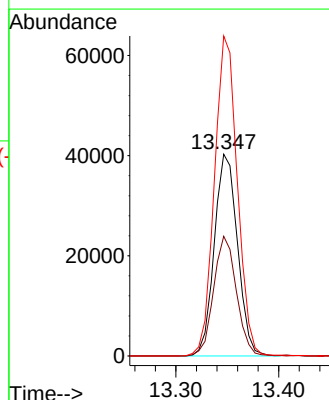
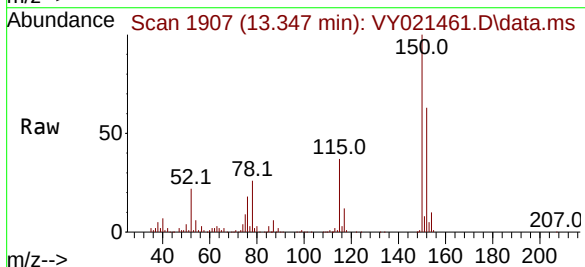
Tgt Ion:152 Resp: 63186

Ion Ratio Lower Upper

152 100

115 58.4 29.0 87.0

150 156.6 0.0 347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021461.D
 Acq On : 07 Mar 2025 15:15
 Operator : SY/MD
 Sample : Q1488-11
 Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ENV-104-SB02

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M

Title : SW846 8260

Signal : TIC: VY021461.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	12	17	30	rVB2	23838	39174	1.25%	0.366%
2	2.196	69	78	85	rBV2	19768	47975	1.53%	0.448%
3	2.836	177	183	190	rBV2	24136	47944	1.53%	0.448%
4	3.178	233	239	250	rVB2	20630	49229	1.57%	0.460%
5	3.867	342	352	364	rBV	53746	147687	4.71%	1.379%
6	4.123	382	394	407	rBV2	38467	132327	4.22%	1.235%
7	4.616	462	475	493	rBV3	22645	110179	3.51%	1.029%
8	4.848	501	513	530	rVB4	14207	65611	2.09%	0.613%
9	5.641	633	643	660	rVB2	21790	72505	2.31%	0.677%
10	6.896	837	849	870	rBV	65548	251631	8.02%	2.349%
11	7.634	959	970	976	rBV	221432	535628	17.07%	5.000%
12	7.707	976	982	992	rVB	348133	794802	25.33%	7.420%
13	7.921	1009	1017	1024	rBV2	14689	33130	1.06%	0.309%
14	8.061	1030	1040	1050	rBV	193374	433763	13.82%	4.049%
15	8.616	1121	1131	1145	rBV	553827	1092057	34.80%	10.195%
16	10.109	1365	1376	1389	rBV	772559	1353527	43.13%	12.636%
17	10.512	1434	1442	1449	rBV	326588	595014	18.96%	5.555%
18	10.640	1457	1463	1471	rVB3	31842	52733	1.68%	0.492%
19	10.877	1497	1502	1513	rBV	20745	43236	1.38%	0.404%
20	10.975	1513	1518	1524	rVB2	24130	38960	1.24%	0.364%
21	11.201	1549	1555	1561	rVB	42886	64814	2.07%	0.605%
22	11.414	1582	1590	1601	rBV	588643	962620	30.67%	8.986%
23	11.505	1601	1605	1616	rVB	18393	31574	1.01%	0.295%
24	12.420	1745	1755	1765	rBV	1880270	3138277	100.00%	29.297%
25	13.347	1902	1907	1915	rVB	254945	402067	12.81%	3.753%
26	13.889	1989	1996	2003	rVB	109601	175526	5.59%	1.639%

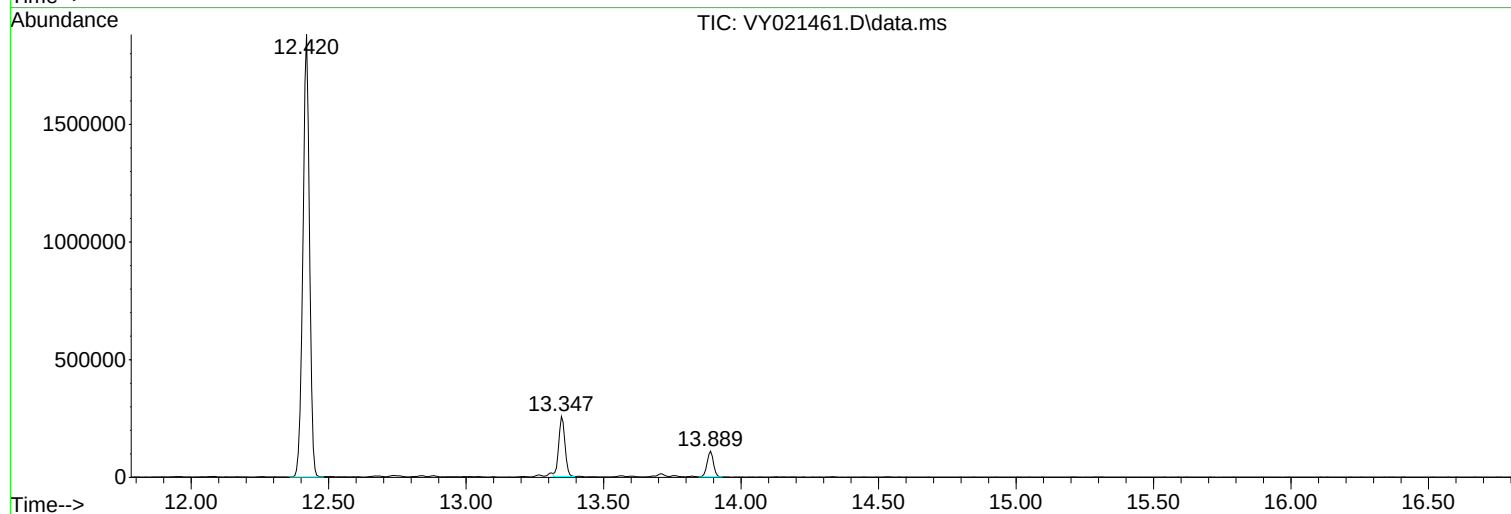
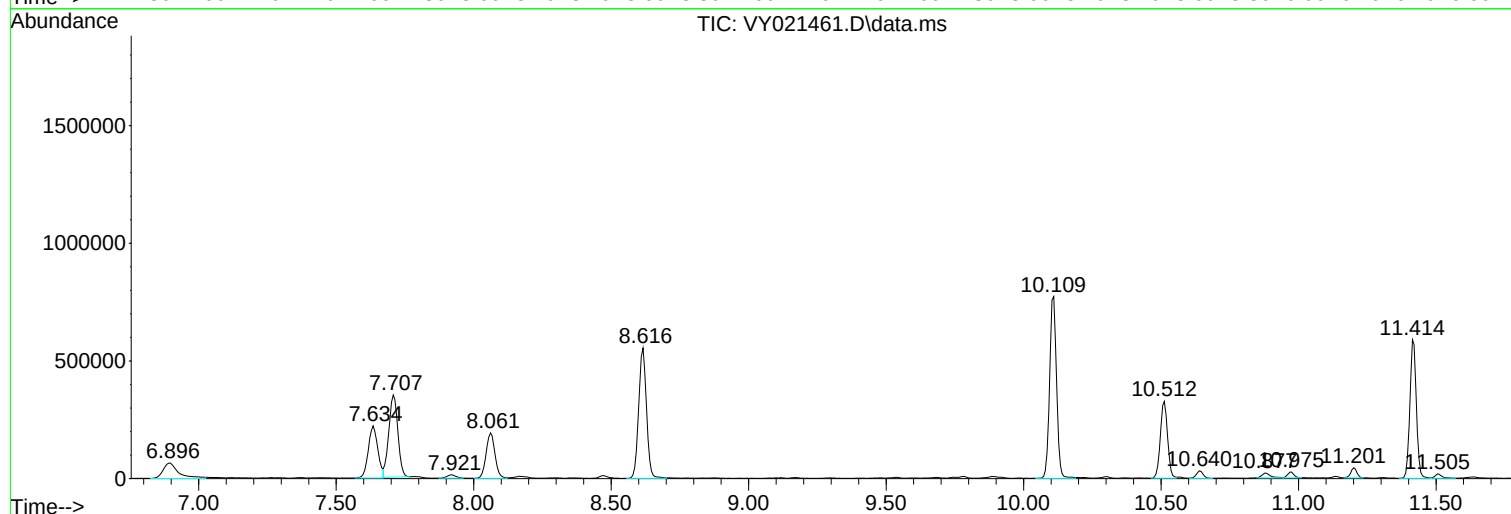
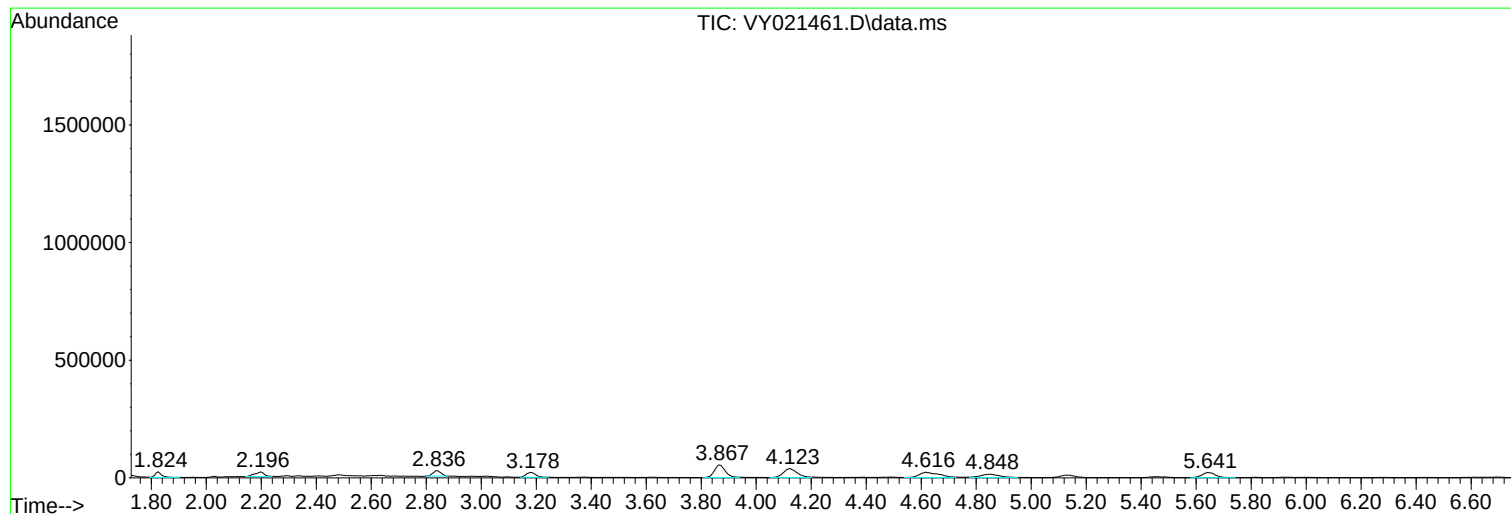
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Data File : VY021461.D
Acq On : 07 Mar 2025 15:15
Operator : SY/MD
Sample : Q1488-11
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021461.D
Acq On : 07 Mar 2025 15:15
Operator : SY/MD
Sample : Q1488-11
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

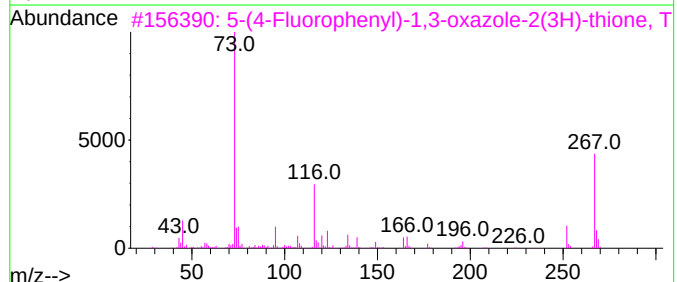
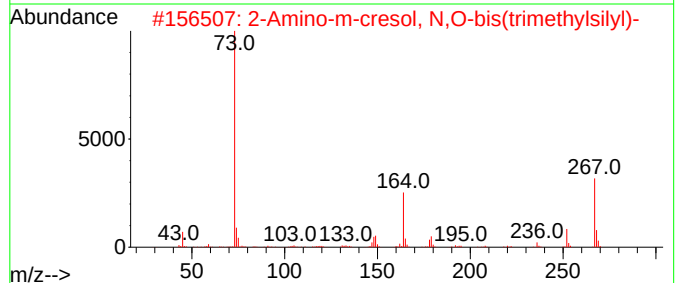
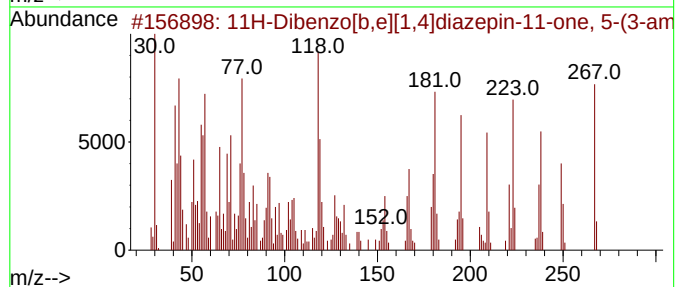
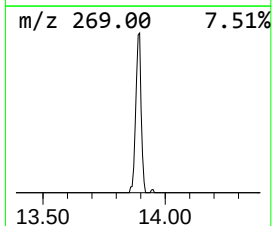
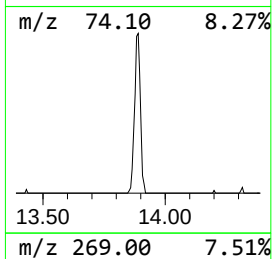
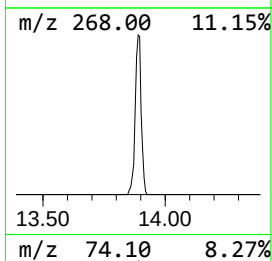
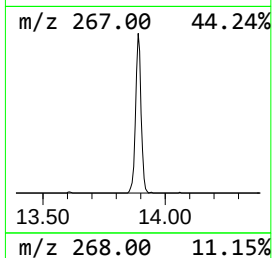
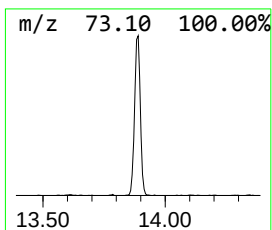
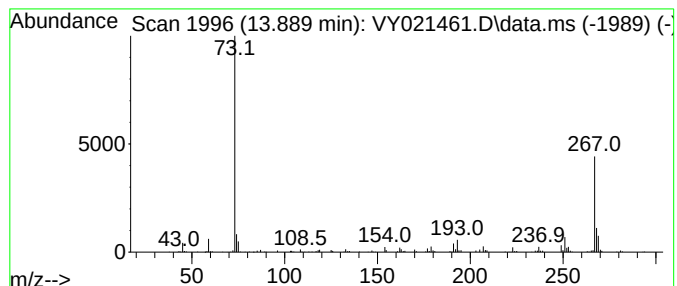
Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

Peak Number 3 11H-Dibenzo[b,e][1,4]diazep... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.889	21.83 ug/l	175526	1,4-Dichlorobenzene-d4	13.347	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	95
2	2-Amino-m-cresol, N,O-bis(trimet...	267	C13H25NOSi2	1000449-77-1	59
3	5-(4-Fluorophenyl)-1,3-oxazole-2...	267	C12H14FNOSSi	1000497-07-6	59
4	Salicylic acid, 2TMS derivative	282	C13H22O3Si2	003789-85-3	56
5	Acridone, TMS derivative	267	C16H17NOSi	1000478-16-0	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021461.D
Acq On : 07 Mar 2025 15:15
Operator : SY/MD
Sample : Q1488-11
Misc : 6.22g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
ENV-104-SB02

A
B
C
D
E
F
G
H
I
J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
11H-Dibenzo[b,e...	13.889	21.8	ug/l	175526	4	13.347	402067	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045150.D
 Acq On : 05 Mar 2025 18:15
 Operator : JC/MD
 Sample : Q1488-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-102-GW01

Quant Time: Mar 06 01:10:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

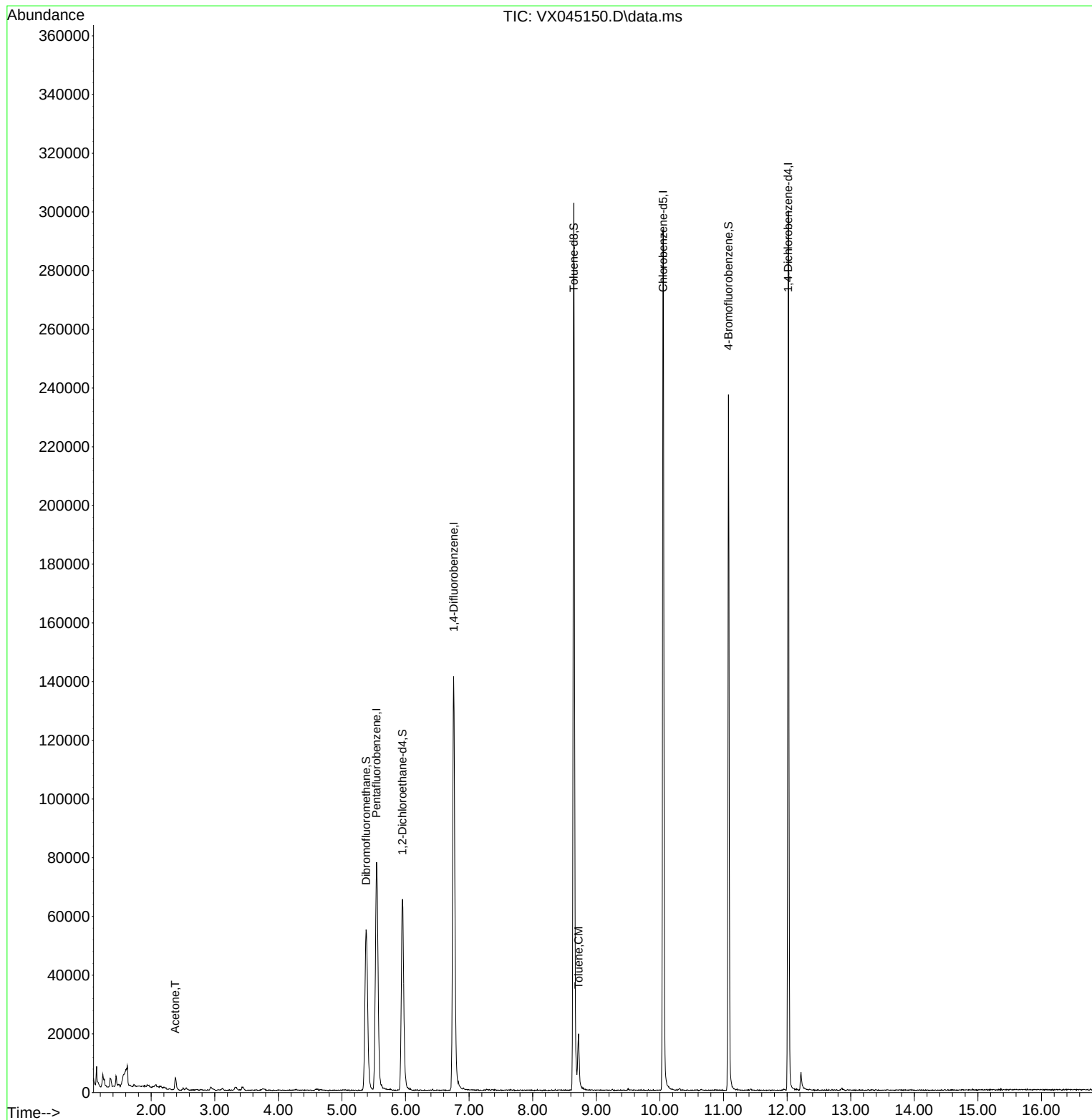
Internal Standards						
1) Pentafluorobenzene	5.544	168	72598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61188	52.987	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.980%	
35) Dibromofluoromethane	5.379	113	49182	51.177	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.360%	
50) Toluene-d8	8.647	98	177583	50.971	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.940%	
62) 4-Bromofluorobenzene	11.079	95	62689	54.300	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.600%	
Target Compounds						
16) Acetone	2.380	43	4804	8.966	ug/l	97
52) Toluene	8.720	92	6706	2.746	ug/l	99

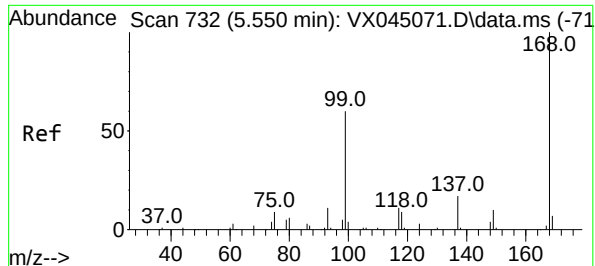
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045150.D
Acq On : 05 Mar 2025 18:15
Operator : JC/MD
Sample : Q1488-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

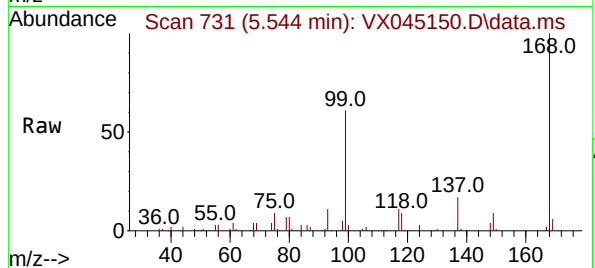
Quant Time: Mar 06 01:10:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



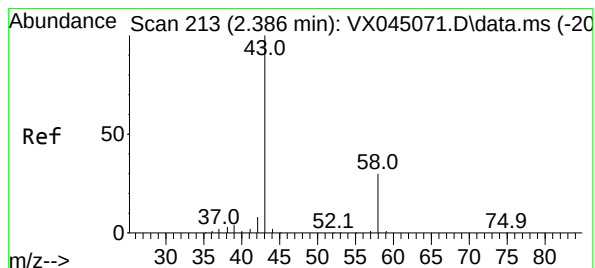
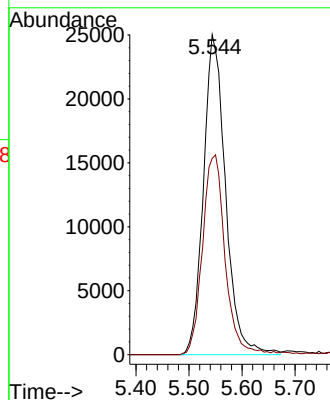
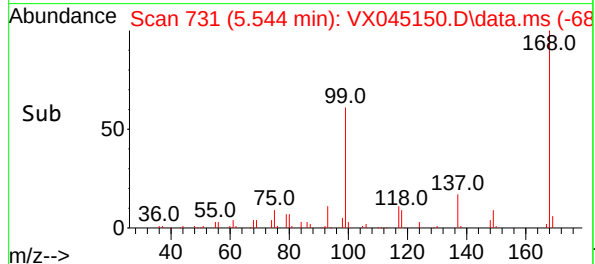


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

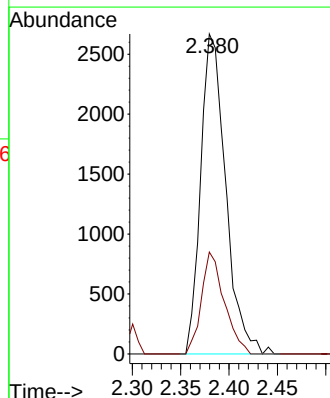
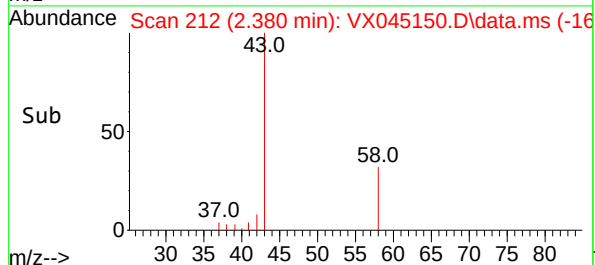
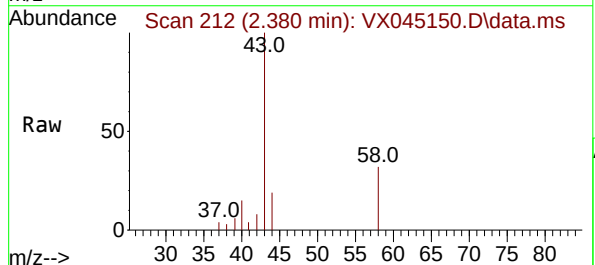


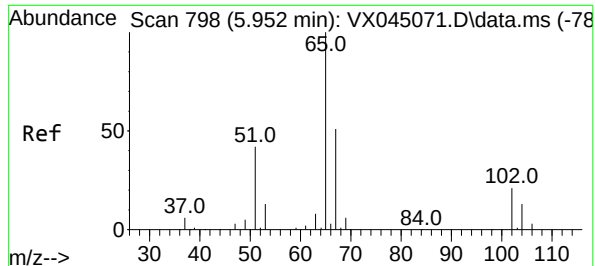
Tgt Ion:168 Resp: 72598
Ion Ratio Lower Upper
168 100
99 61.3 48.2 72.4



#16
Acetone
Concen: 8.966 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 43 Resp: 4804
Ion Ratio Lower Upper
43 100
58 31.8 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 52.987 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045150.D

Acq: 05 Mar 2025 18:15

Instrument :

MSVOA_X

ClientSampleId :

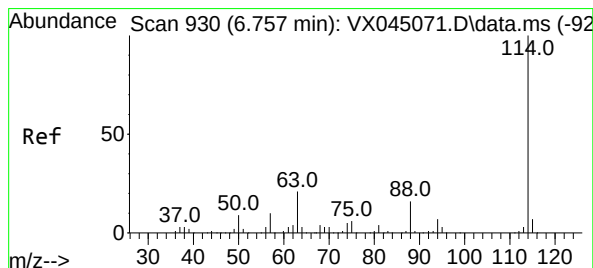
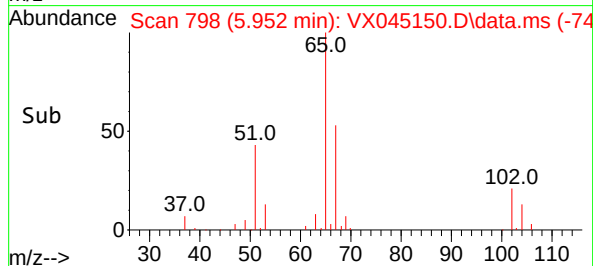
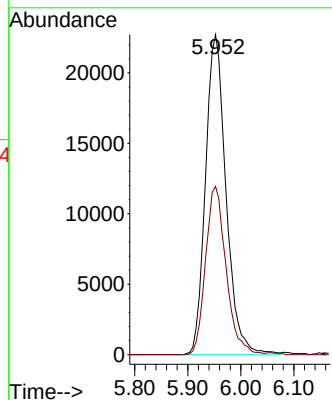
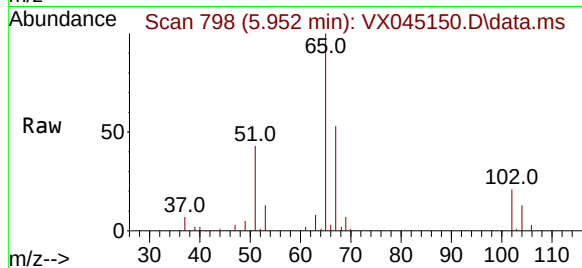
ENV-102-GW01

Tgt Ion: 65 Resp: 61188

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045150.D

Acq: 05 Mar 2025 18:15

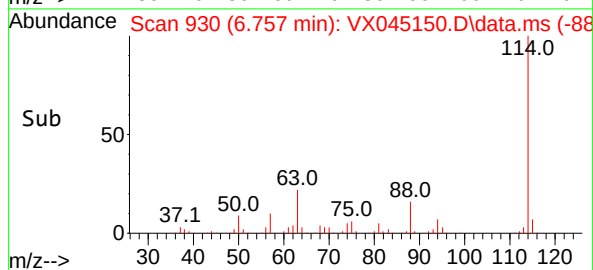
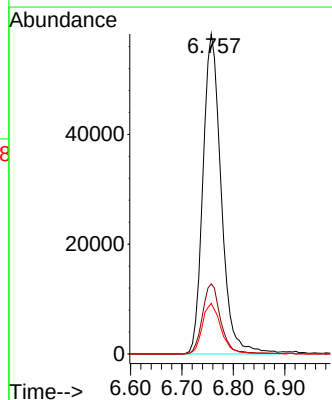
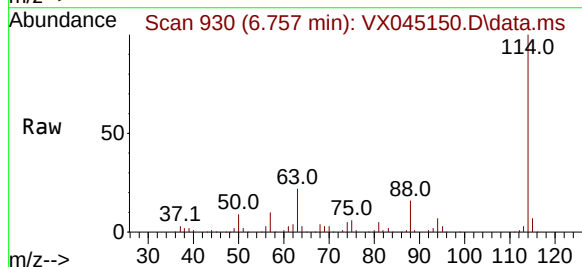
Tgt Ion: 114 Resp: 143720

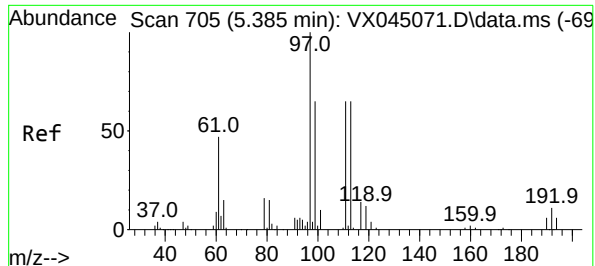
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.177 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045150.D

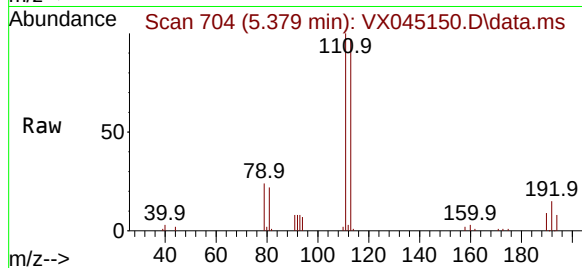
Acq: 05 Mar 2025 18:15

Instrument :

MSVOA_X

ClientSampleId :

ENV-102-GW01



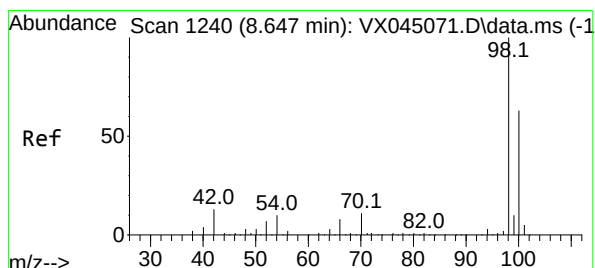
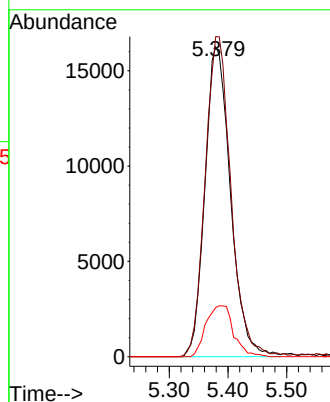
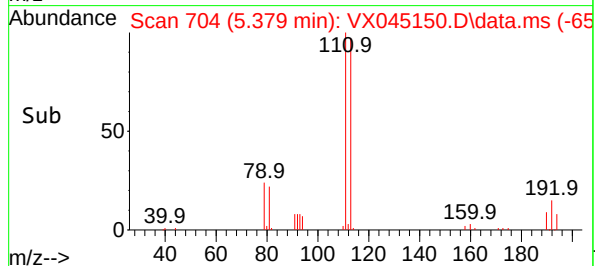
Tgt Ion:113 Resp: 49182

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.6

192 17.7 14.3 21.5



#50

Toluene-d8

Concen: 50.971 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX045150.D

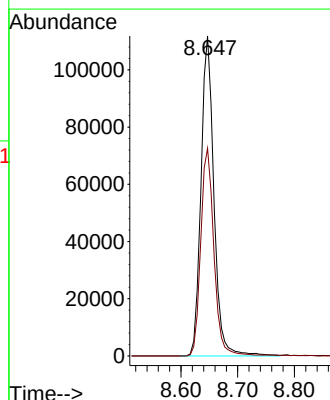
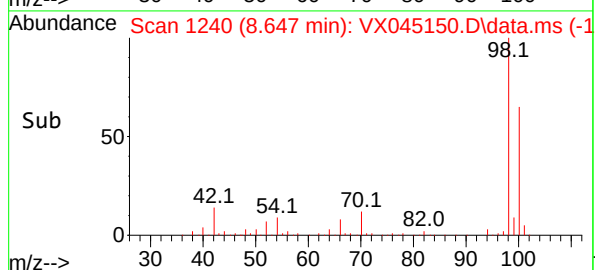
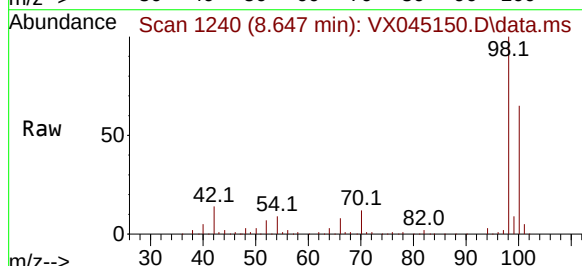
Acq: 05 Mar 2025 18:15

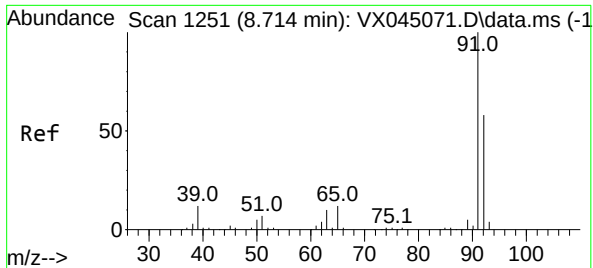
Tgt Ion: 98 Resp: 177583

Ion Ratio Lower Upper

98 100

100 66.4 52.0 78.0

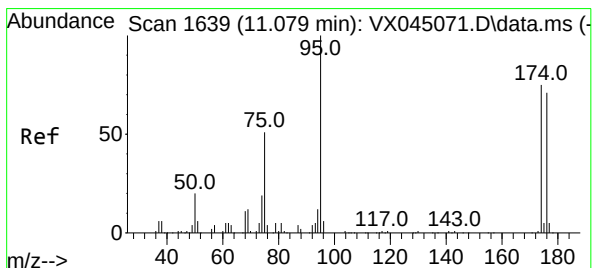
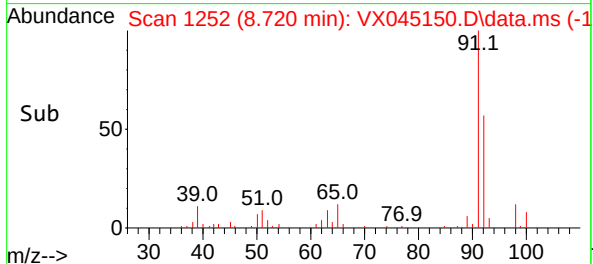
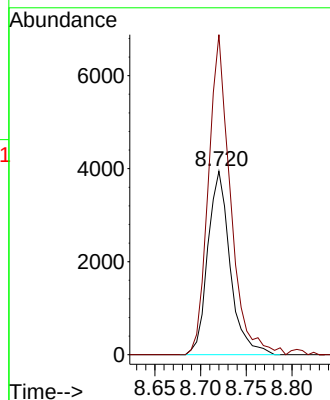
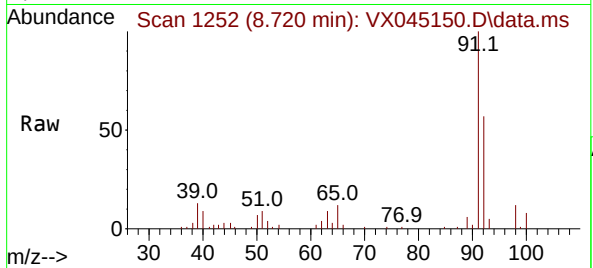




#52
Toluene
Concen: 2.746 ug/l
RT: 8.720 min Scan# 1251
Delta R.T. 0.006 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

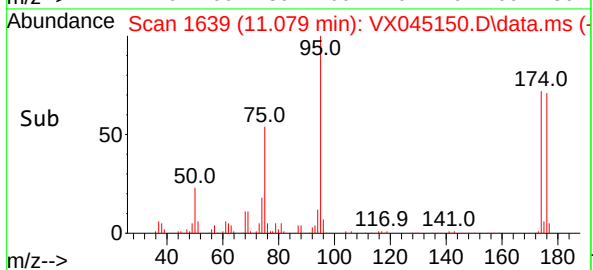
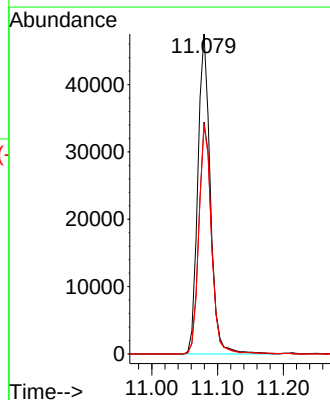
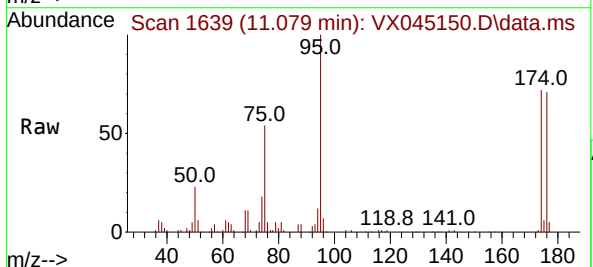
Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

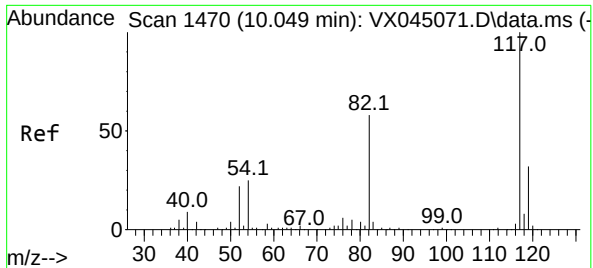
Tgt Ion: 92 Resp: 6706
Ion Ratio Lower Upper
92 100
91 171.8 138.9 208.3



#62
4-Bromofluorobenzene
Concen: 54.300 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045150.D
Acq: 05 Mar 2025 18:15

Tgt Ion: 95 Resp: 62689
Ion Ratio Lower Upper
95 100
174 73.4 0.0 148.2
176 71.9 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045150.D

Acq: 05 Mar 2025 18:15

Instrument :

MSVOA_X

ClientSampleId :

ENV-102-GW01

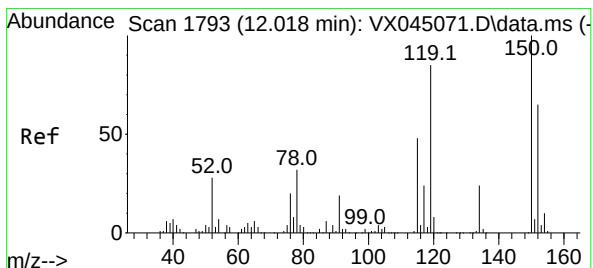
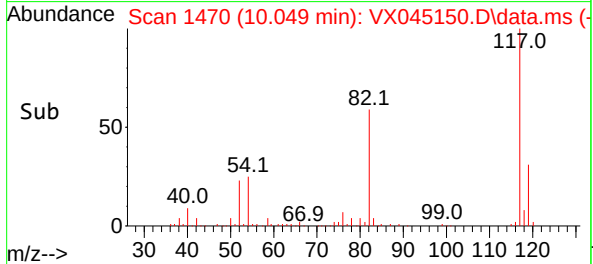
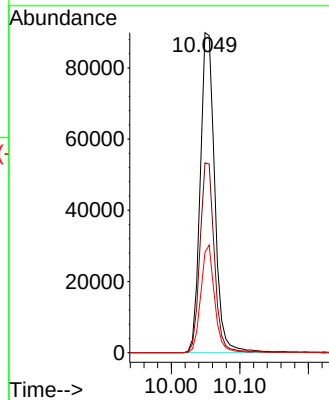
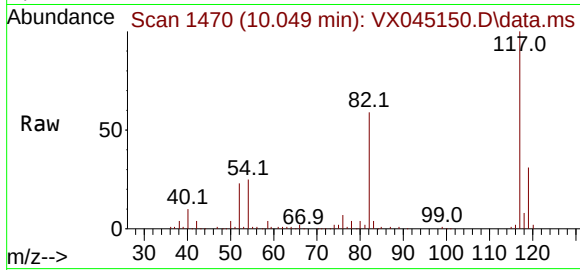
Tgt Ion:117 Resp: 132869

Ion Ratio Lower Upper

117 100

82 59.3 46.3 69.5

119 31.4 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX045150.D

Acq: 05 Mar 2025 18:15

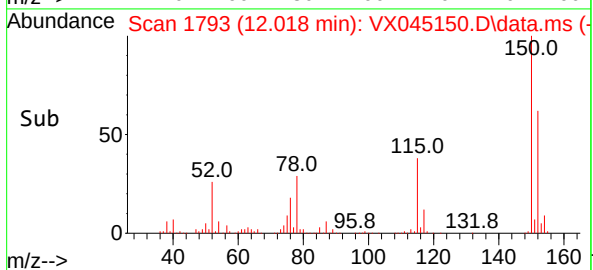
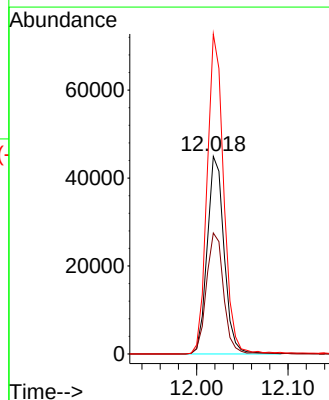
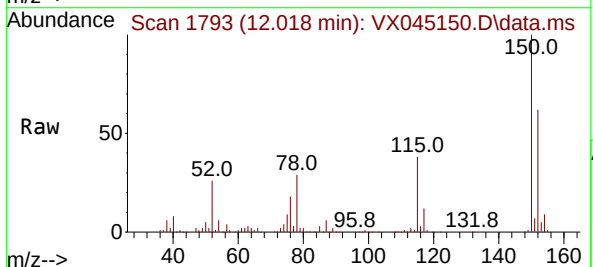
Tgt Ion:152 Resp: 57679

Ion Ratio Lower Upper

152 100

115 62.6 44.2 132.6

150 159.6 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045150.D
 Acq On : 05 Mar 2025 18:15
 Operator : JC/MD
 Sample : Q1488-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-102-GW01

A
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J

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045150.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	18	rVB2	6871	8575	1.79%	0.330%
2	1.240	20	25	28	rBV2	4339	6789	1.41%	0.262%
3	1.624	70	88	92	rBV5	7272	29090	6.06%	1.121%
4	2.380	207	212	222	rVB	4273	7927	1.65%	0.305%
5	5.379	691	704	720	rBV2	54770	165437	34.46%	6.374%
6	5.544	722	731	743	rBV2	77360	222083	46.25%	8.557%
7	5.952	789	798	811	rBV	65007	173518	36.14%	6.685%
8	6.757	920	930	941	rBV	141075	341012	71.02%	13.139%
9	8.647	1234	1240	1248	rBV	302152	480143	100.00%	18.499%
10	8.720	1248	1252	1262	rVB	18758	32839	6.84%	1.265%
11	10.049	1465	1470	1487	rBV	293056	429267	89.40%	16.539%
12	11.079	1634	1639	1658	rBV	237058	312337	65.05%	12.034%
13	12.018	1788	1793	1808	rBV	299691	376311	78.37%	14.499%
14	12.219	1822	1826	1833	rBV2	6089	10144	2.11%	0.391%

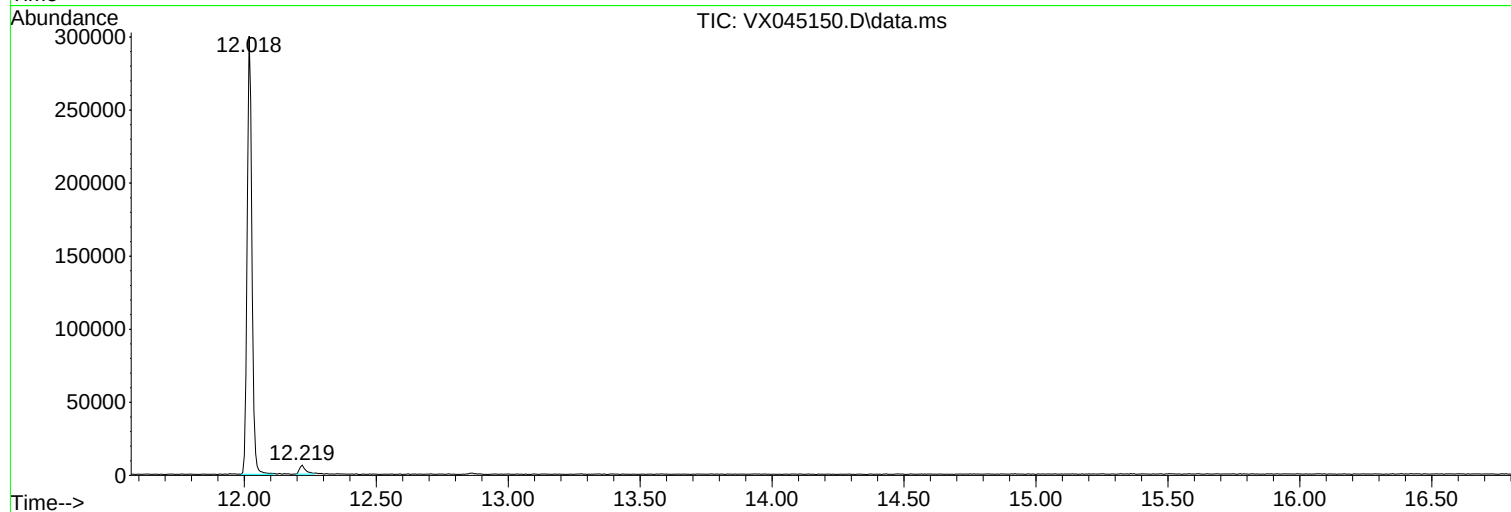
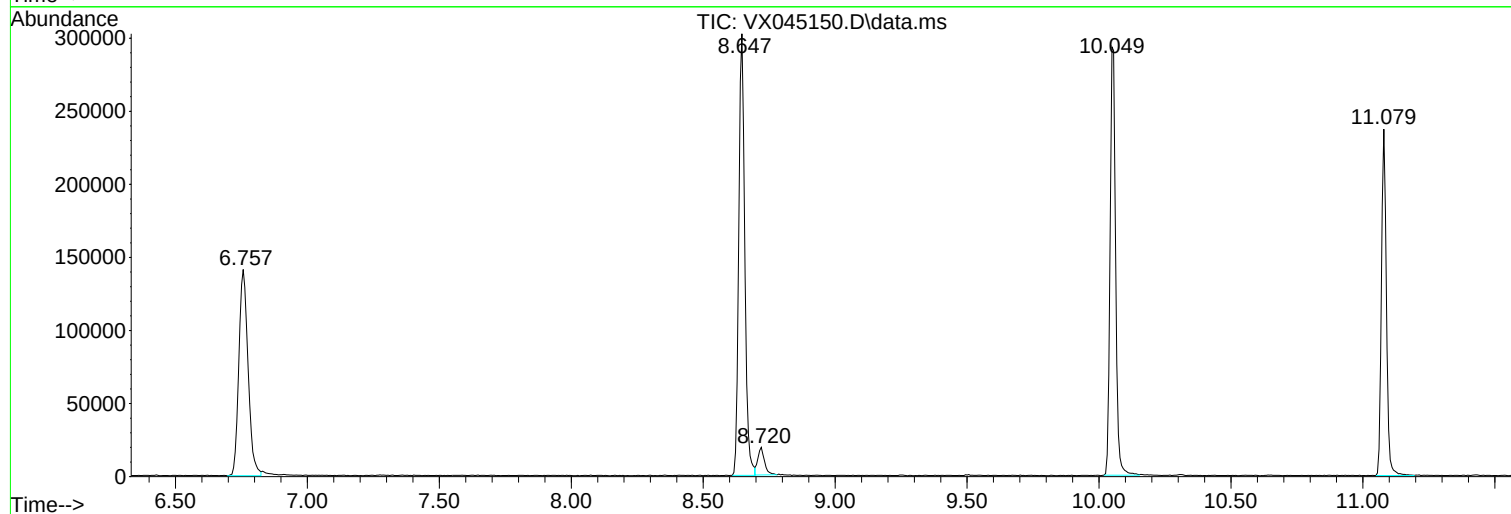
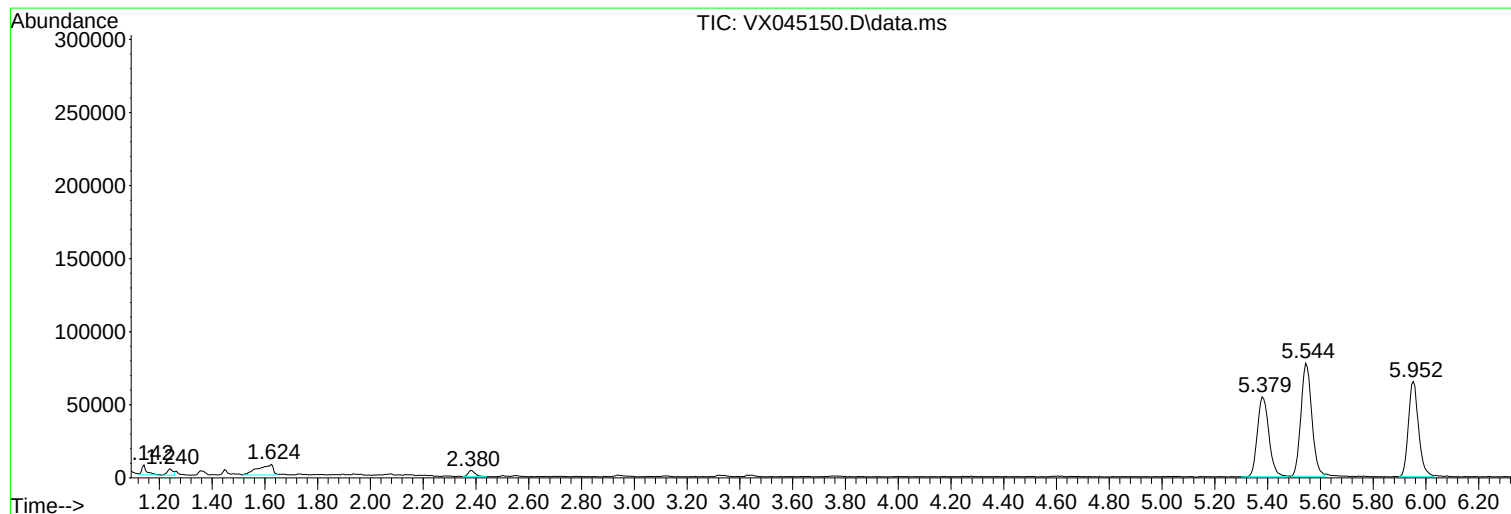
Sum of corrected areas: 2595472

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045150.D
Acq On : 05 Mar 2025 18:15
Operator : JC/MD
Sample : Q1488-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045150.D
Acq On : 05 Mar 2025 18:15
Operator : JC/MD
Sample : Q1488-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

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F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045150.D
Acq On : 05 Mar 2025 18:15
Operator : JC/MD
Sample : Q1488-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-102-GW01

A

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D

E

F

G

H

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J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045151.D
 Acq On : 05 Mar 2025 18:38
 Operator : JC/MD
 Sample : Q1488-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-GW01

A
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Quant Time: Mar 06 01:11:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

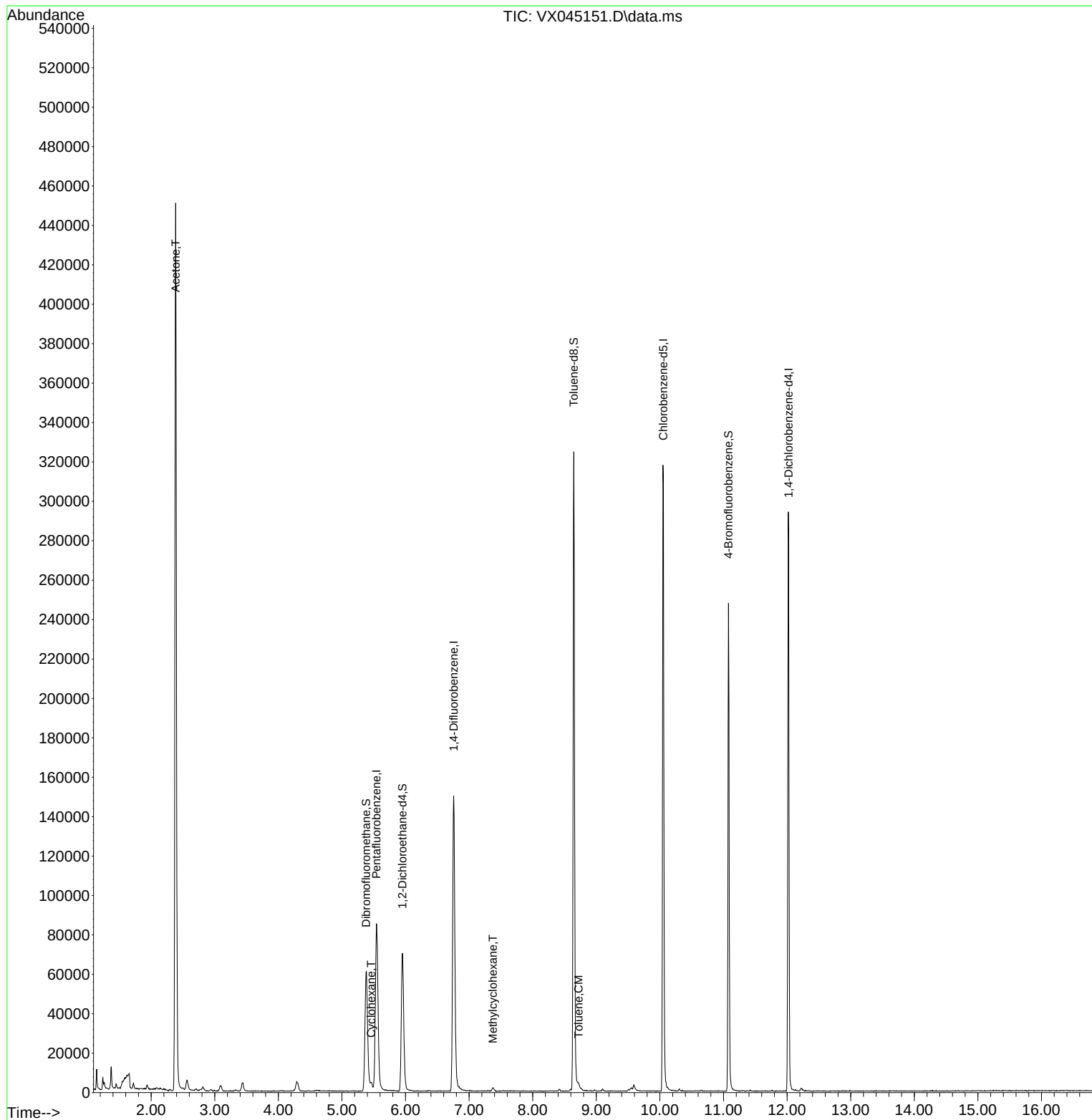
Internal Standards						
1) Pentafluorobenzene	5.543	168	79416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	156296	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	141923	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	65462	51.821	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.640%
35) Dibromofluoromethane	5.379	113	53404	51.099	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.200%
50) Toluene-d8	8.646	98	193262	51.008	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.020%
62) 4-Bromofluorobenzene	11.079	95	64393	51.288	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.580%
Target Compounds						
						Qvalue
16) Acetone	2.385	43	485114	827.700	ug/l	99
31) Cyclohexane	5.458	56	2244	1.306	ug/l	98
39) Methylcyclohexane	7.372	83	675	0.393	ug/l #	85
52) Toluene	8.720	92	822	0.310	ug/l #	63

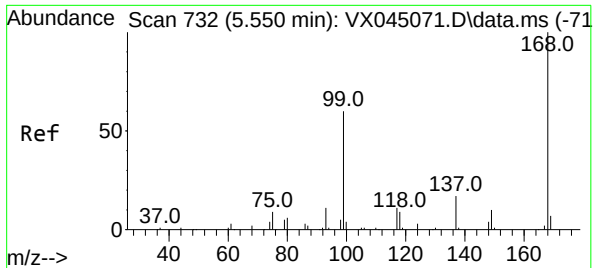
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045151.D
Acq On : 05 Mar 2025 18:38
Operator : JC/MD
Sample : Q1488-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Quant Time: Mar 06 01:11:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

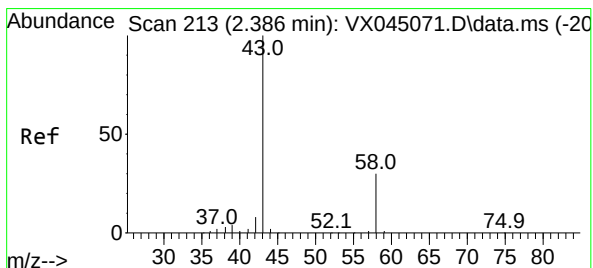
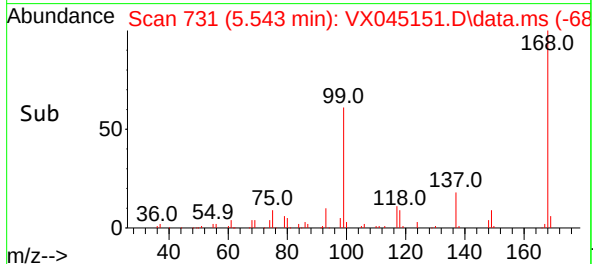
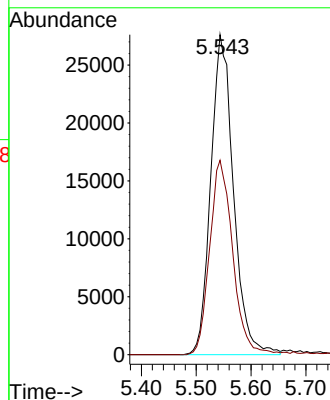
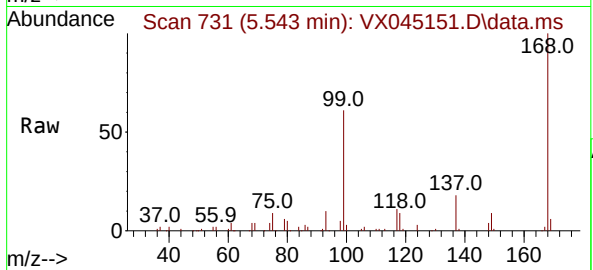




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

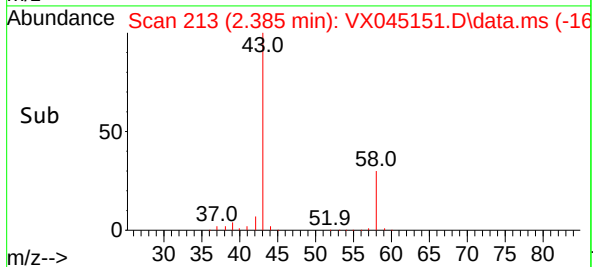
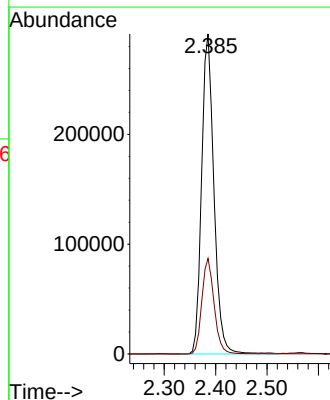
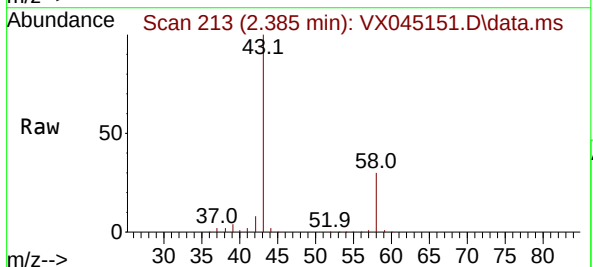
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

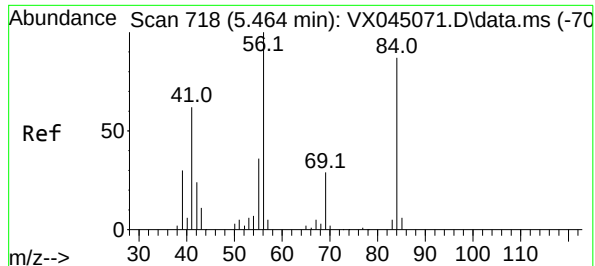
Tgt Ion:168 Resp: 79416
Ion Ratio Lower Upper
168 100
99 60.8 48.2 72.4



#16
Acetone
Concen: 827.700 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX045151.D
Acq: 05 Mar 2025 18:38

Tgt Ion: 43 Resp: 485114
Ion Ratio Lower Upper
43 100
58 29.9 24.2 36.4





#31

Cyclohexane

Concen: 1.306 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-GW01

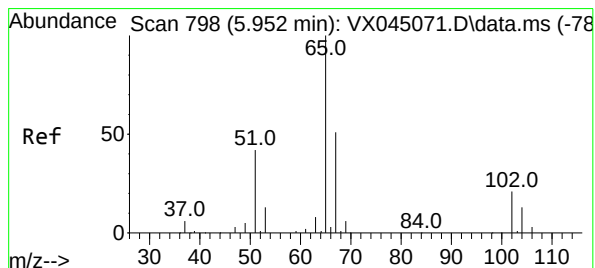
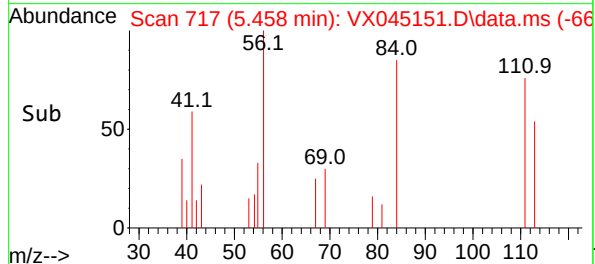
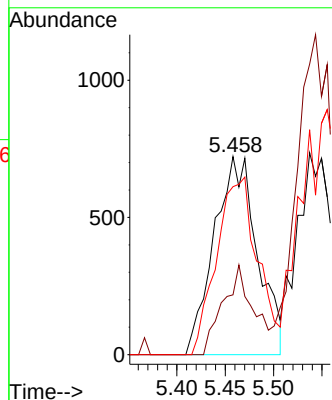
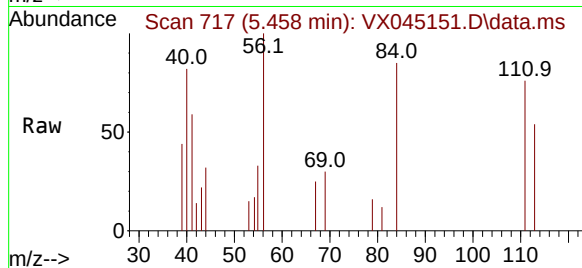
Tgt Ion: 56 Resp: 2244

Ion Ratio Lower Upper

56 100

69 30.2 23.4 35.2

84 84.8 69.4 104.2



#33

1,2-Dichloroethane-d4

Concen: 51.821 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045151.D

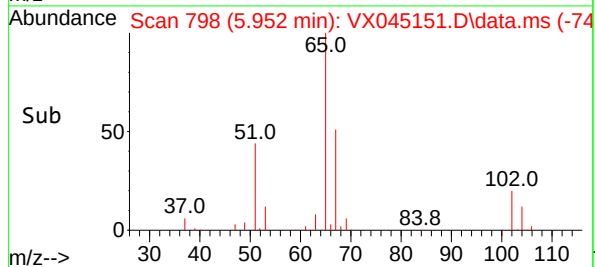
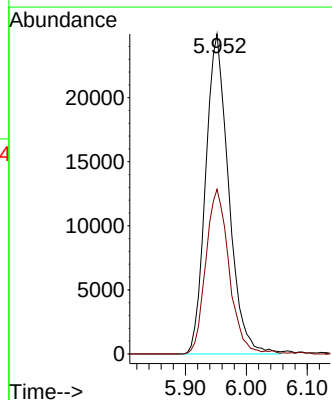
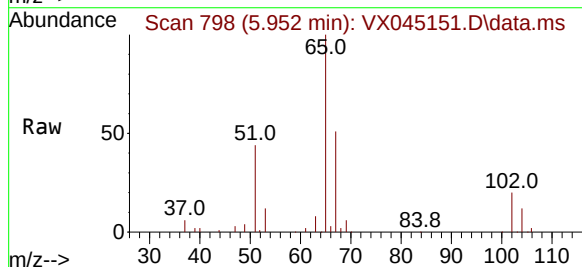
Acq: 05 Mar 2025 18:38

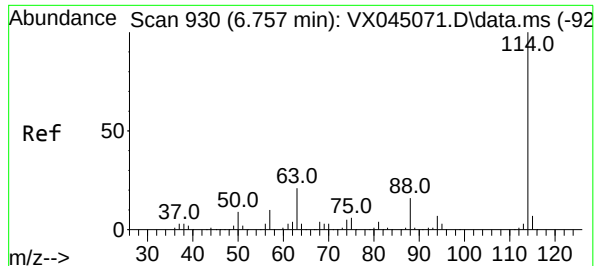
Tgt Ion: 65 Resp: 65462

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-GW01

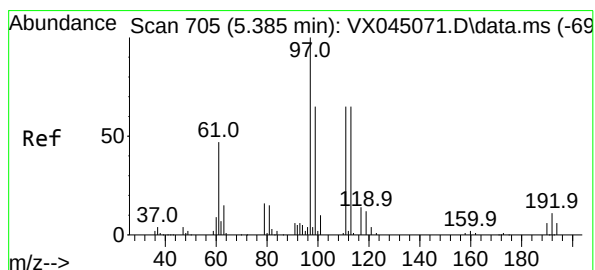
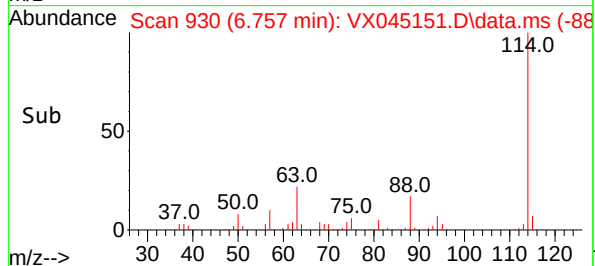
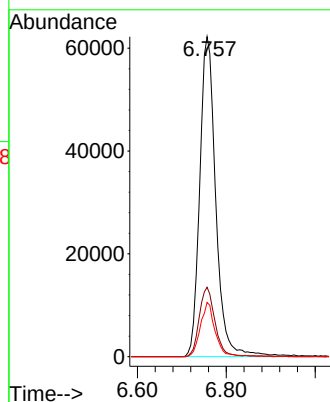
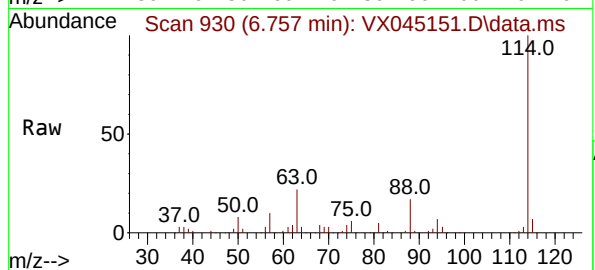
Tgt Ion:114 Resp: 156296

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 16.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.099 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

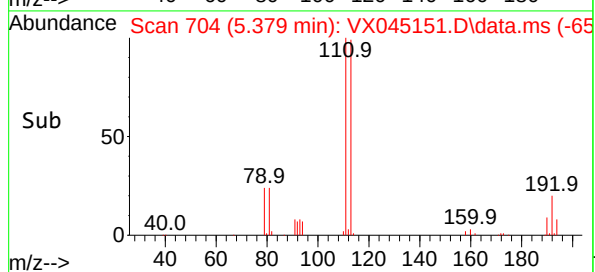
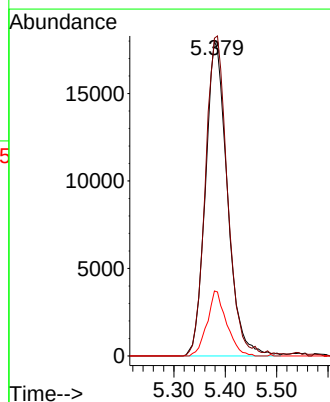
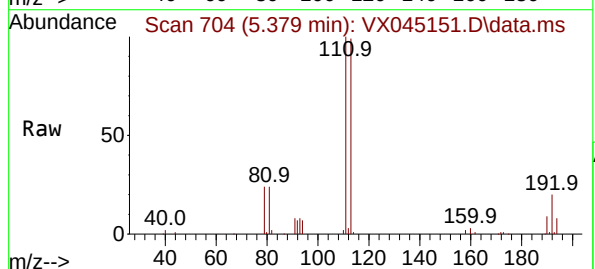
Tgt Ion:113 Resp: 53404

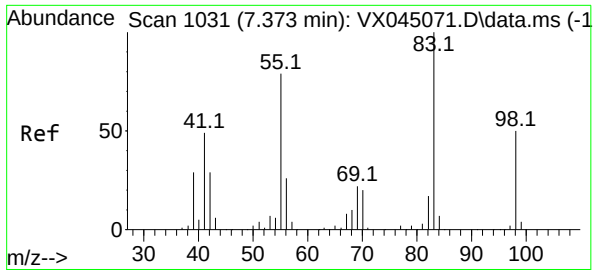
Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.6

192 18.3 14.3 21.5





#39

Methylcyclohexane

Concen: 0.393 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-GW01

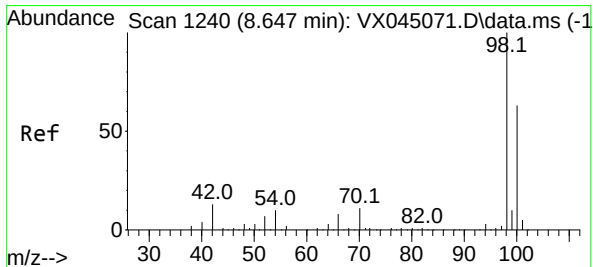
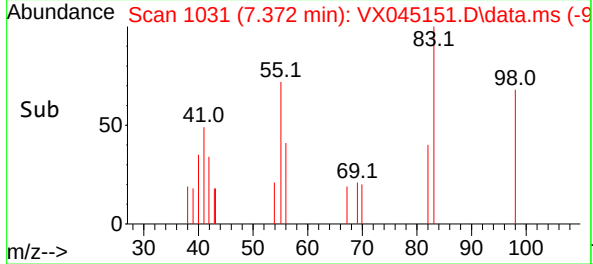
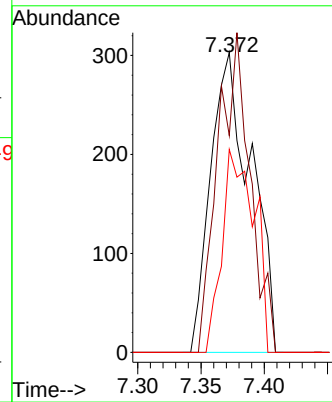
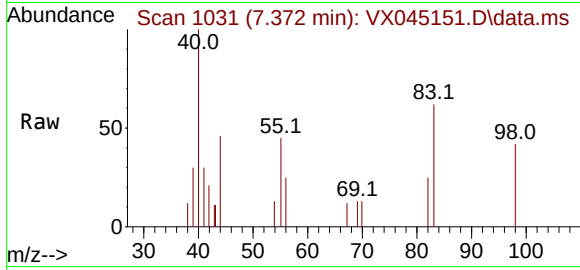
Tgt Ion: 83 Resp: 675

Ion Ratio Lower Upper

83 100

55 72.3 63.0 94.4

98 67.7 39.7 59.5#



#50

Toluene-d8

Concen: 51.008 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045151.D

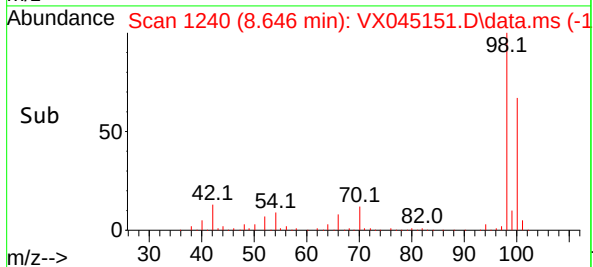
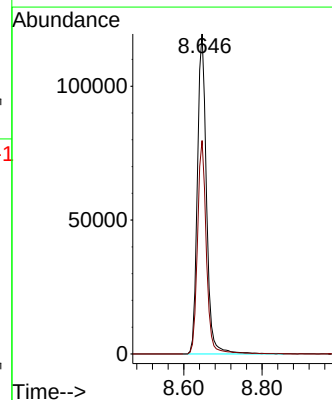
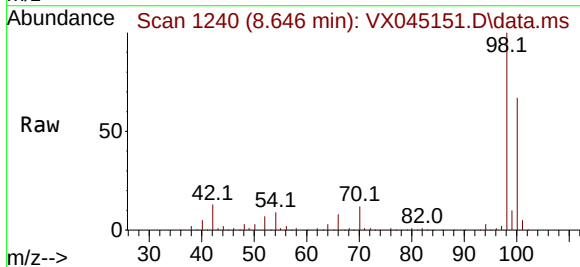
Acq: 05 Mar 2025 18:38

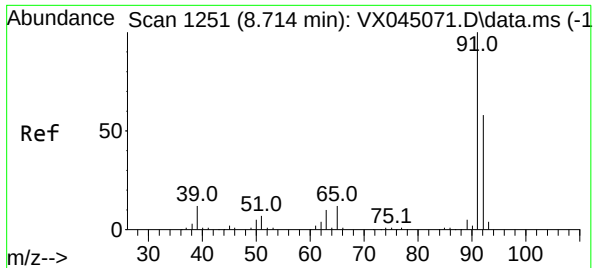
Tgt Ion: 98 Resp: 193262

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0





#52

Toluene

Concen: 0.310 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

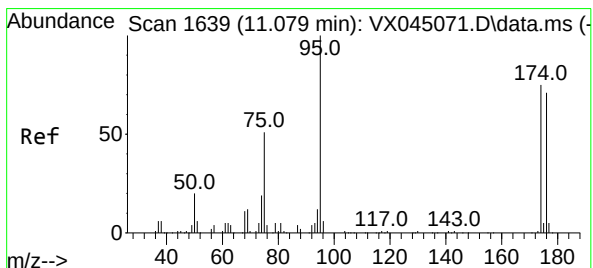
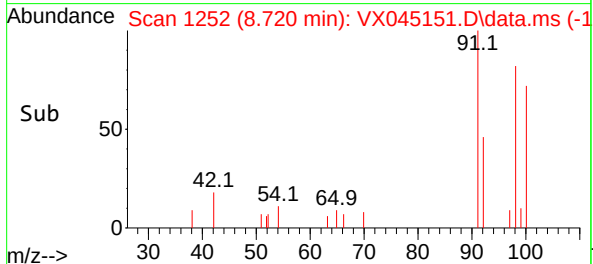
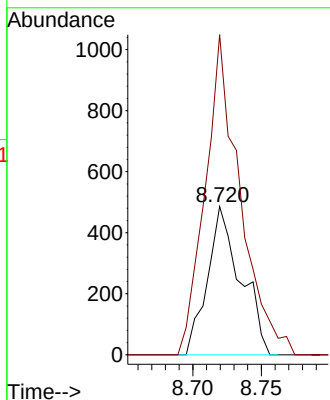
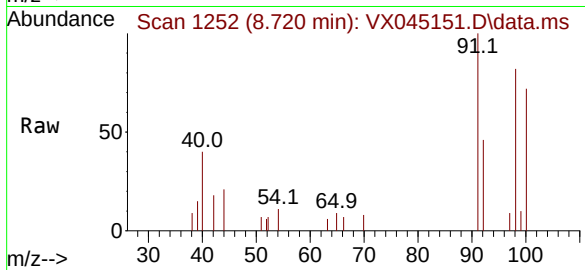
ENV-104-GW01

Tgt Ion: 92 Resp: 822

Ion Ratio Lower Upper

92 100

91 225.3 138.9 208.3#



#62

4-Bromofluorobenzene

Concen: 51.288 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

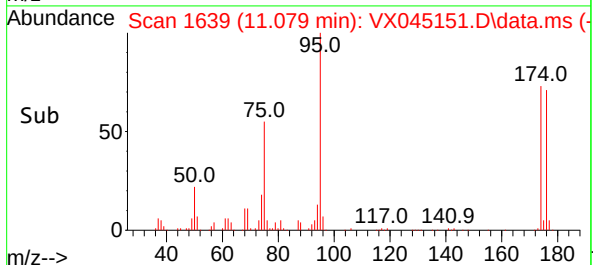
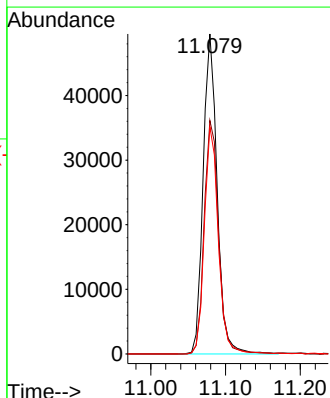
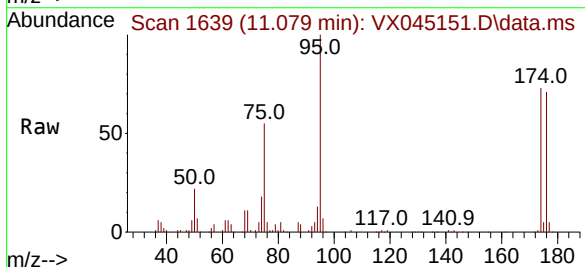
Tgt Ion: 95 Resp: 64393

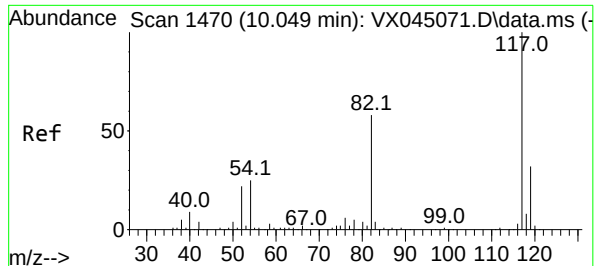
Ion Ratio Lower Upper

95 100

174 75.2 0.0 148.2

176 71.0 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-GW01

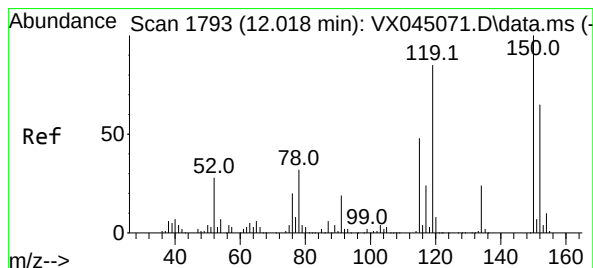
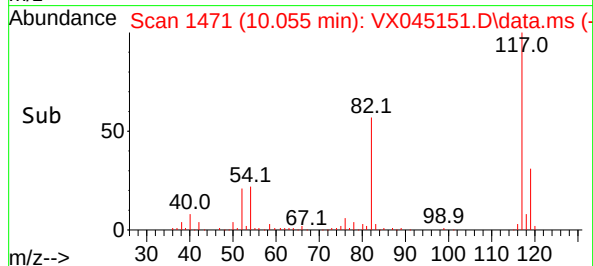
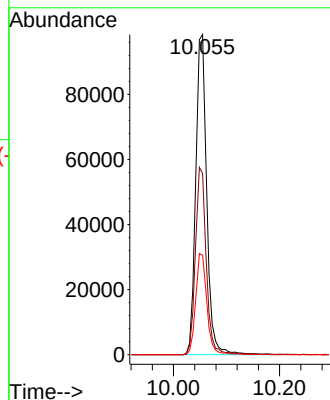
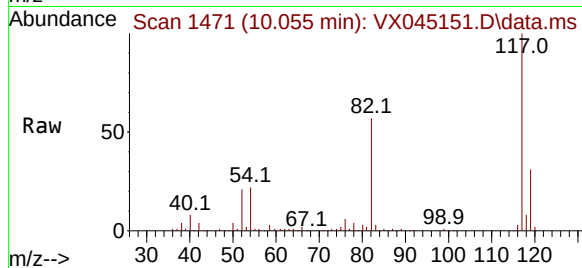
Tgt Ion:117 Resp: 141923

Ion Ratio Lower Upper

117 100

82 56.6 46.3 69.5

119 31.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX045151.D

Acq: 05 Mar 2025 18:38

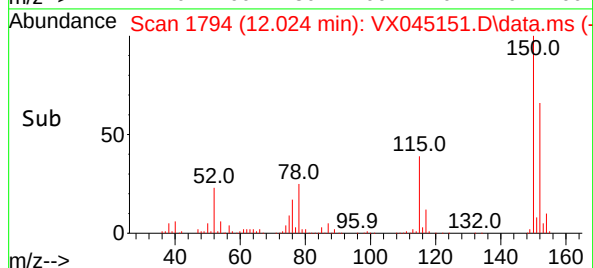
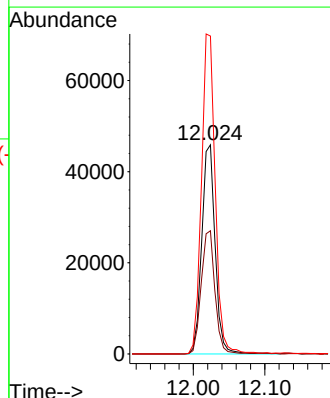
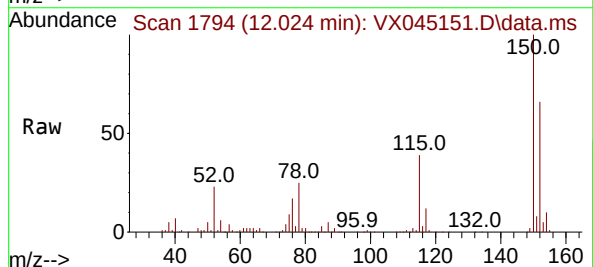
Tgt Ion:152 Resp: 59794

Ion Ratio Lower Upper

152 100

115 60.4 44.2 132.6

150 157.1 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045151.D
 Acq On : 05 Mar 2025 18:38
 Operator : JC/MD
 Sample : Q1488-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-GW01

A
B
C
D
E
F
G
H
I
J

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045151.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.142	6	9	19	rVB	10472	10772	1.44%	0.310%
2	1.373	40	47	53	rBV	11332	14948	1.99%	0.431%
3	2.385	205	213	229	rBV	450471	749901	100.00%	21.601%
4	2.562	236	242	252	rVB	5064	11533	1.54%	0.332%
5	3.434	376	385	396	rBV3	4223	10384	1.38%	0.299%
6	4.287	514	525	527	rBV4	4771	9771	1.30%	0.281%
7	5.385	693	705	715	rBV	60732	179447	23.93%	5.169%
8	5.543	722	731	752	rVB	84596	244737	32.64%	7.050%
9	5.952	789	798	816	rBV	70021	187422	24.99%	5.399%
10	6.757	922	930	951	rBV	149806	370342	49.39%	10.668%
11	8.646	1233	1240	1251	rBV	323947	516909	68.93%	14.890%
12	10.049	1465	1470	1493	rBV	317691	458441	61.13%	13.206%
13	11.079	1634	1639	1653	rBV	247508	321619	42.89%	9.264%
14	12.018	1788	1793	1802	rBV	293983	385345	51.39%	11.100%

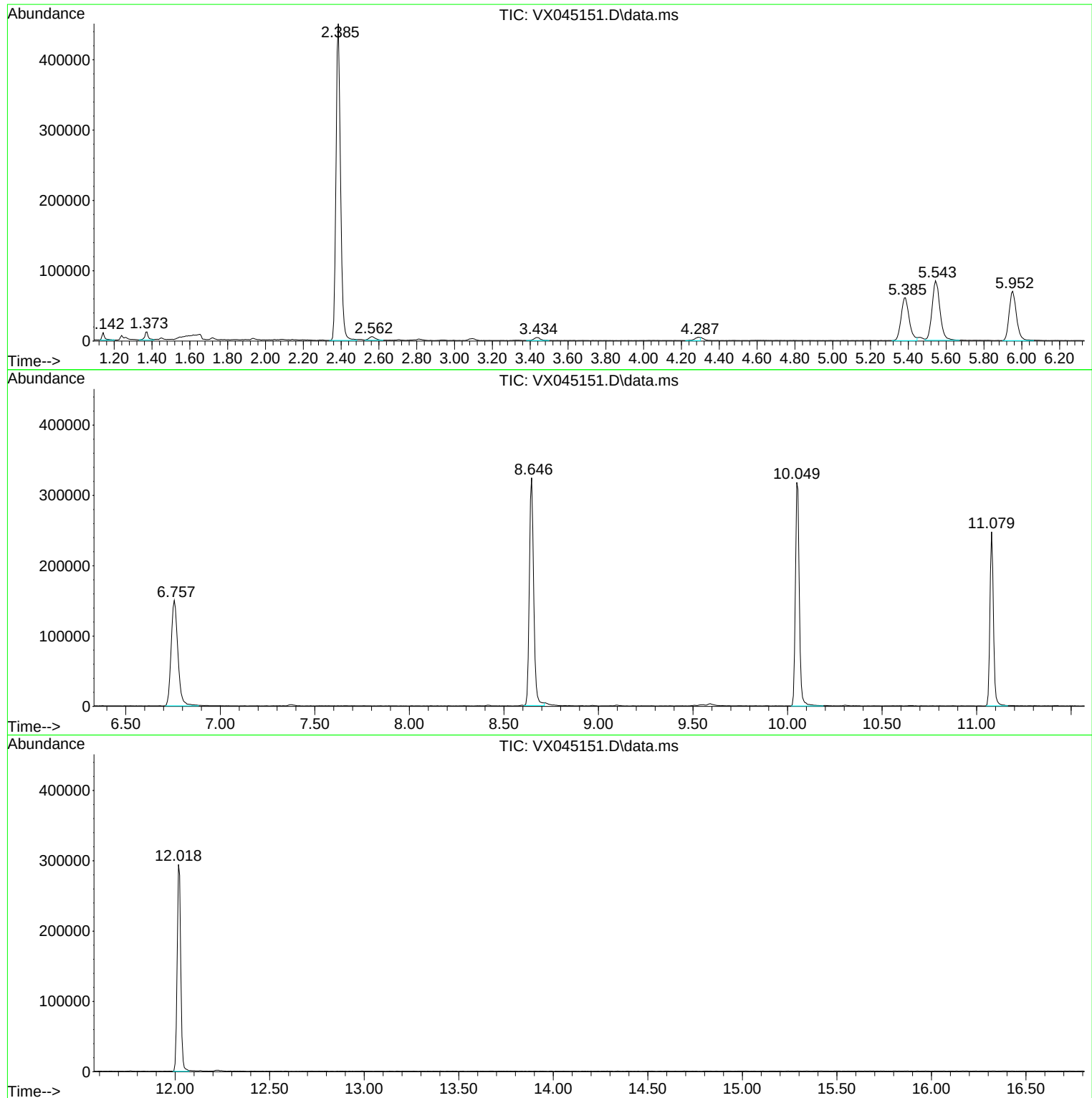
Sum of corrected areas: 3471571

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045151.D
Acq On : 05 Mar 2025 18:38
Operator : JC/MD
Sample : Q1488-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045151.D
Acq On : 05 Mar 2025 18:38
Operator : JC/MD
Sample : Q1488-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045151.D
Acq On : 05 Mar 2025 18:38
Operator : JC/MD
Sample : Q1488-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045161.D
 Acq On : 06 Mar 2025 12:23
 Operator : JC/MD
 Sample : Q1488-14DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ENV-104-GW01DL

Manual Integrations
APPROVED

Reviewed By : John Carlone 03/10/2025
 Supervised By : Mahesh Dadoda 03/10/2025

Quant Time: Mar 07 00:39:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	70228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	133297	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124634	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	48192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	58140	52.046	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.100%			
35) Dibromofluoromethane	5.379	113	47297	53.064	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.120%			
50) Toluene-d8	8.647	98	172598	53.414	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.820%			
62) 4-Bromofluorobenzene	11.079	95	55482	51.815	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.620%			
Target Compounds						
16) Acetone	2.380	43	133319	257.228	ug/l	97
31) Cyclohexane	5.446	56	733m	0.482	ug/l	

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

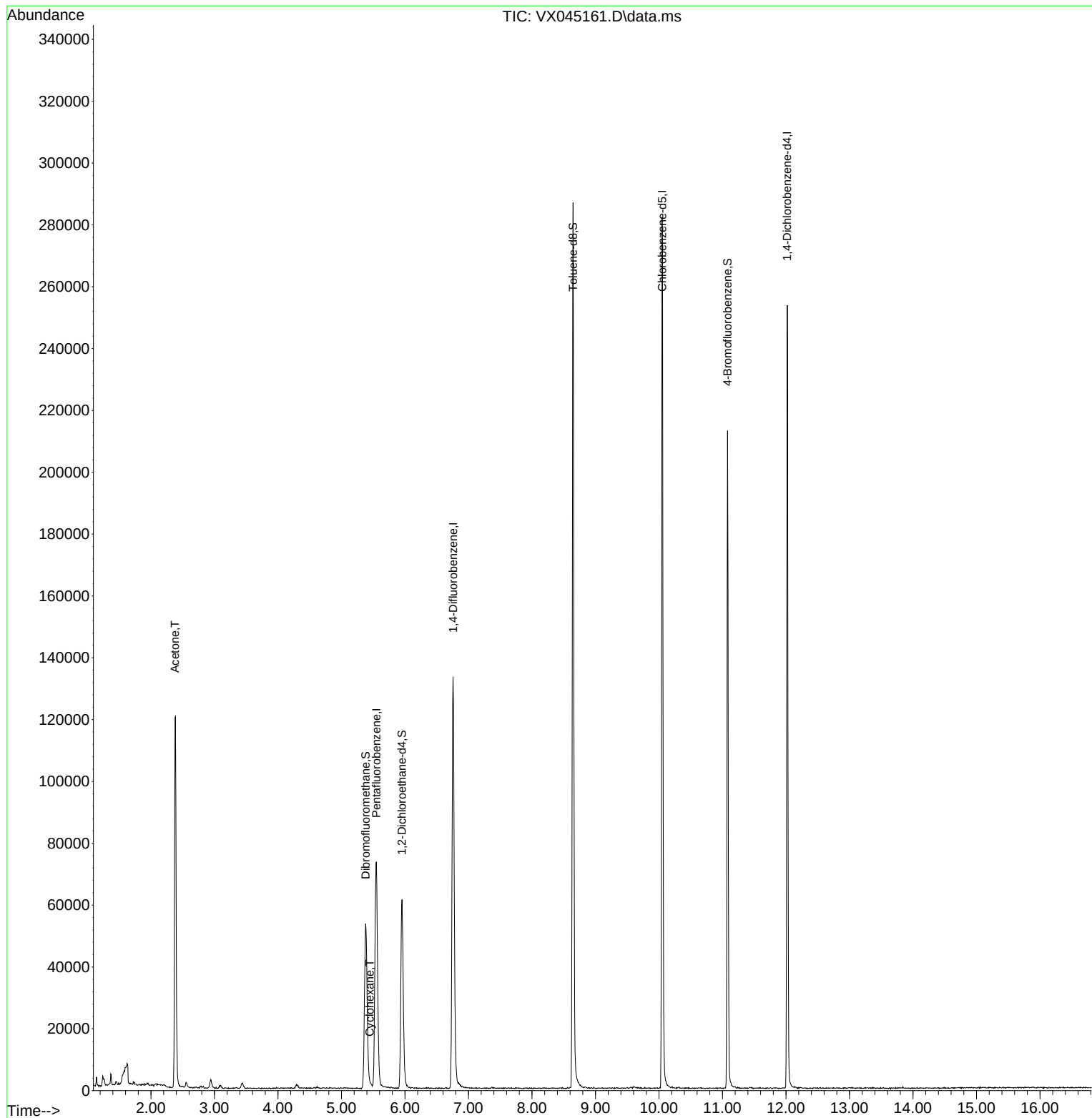
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045161.D
Acq On : 06 Mar 2025 12:23
Operator : JC/MD
Sample : Q1488-14DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

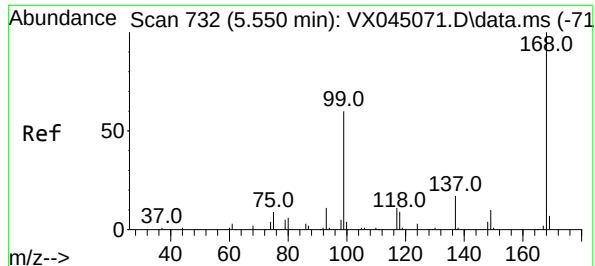
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01DL

Manual Integrations
APPROVED

Reviewed By : John Carlone 03/10/2025
Supervised By : Mahesh Dadoda 03/10/2025

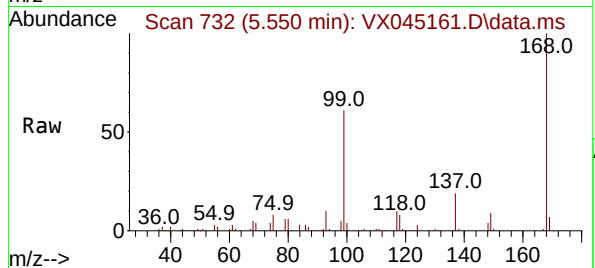
Quant Time: Mar 07 00:39:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

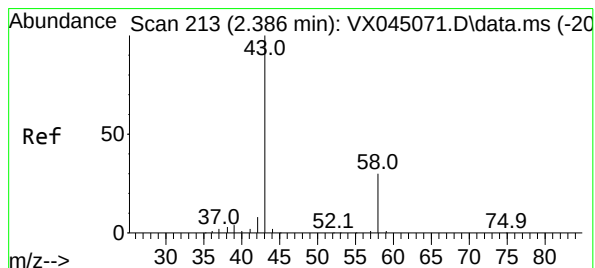
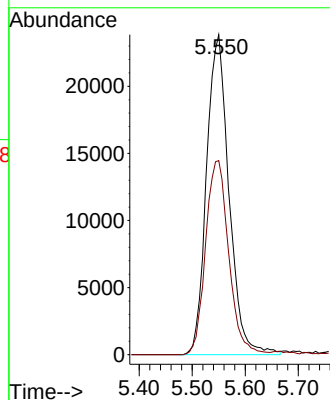
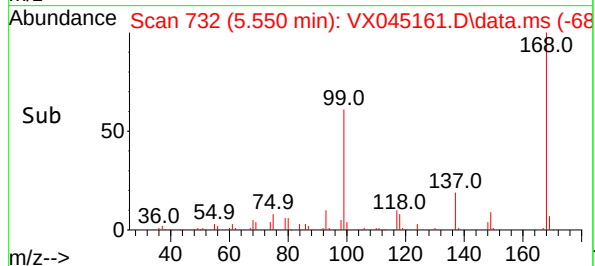
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01DL



Tgt Ion:168 Resp: 70228
Ion Ratio Lower Upper
168 100
99 60.7 48.2 72.4

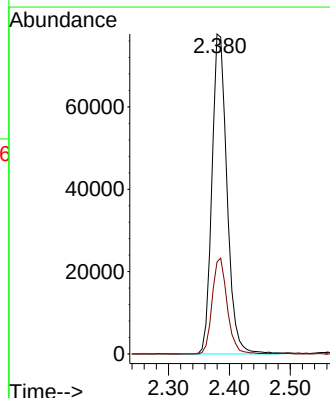
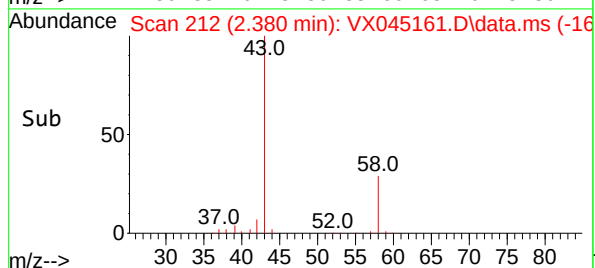
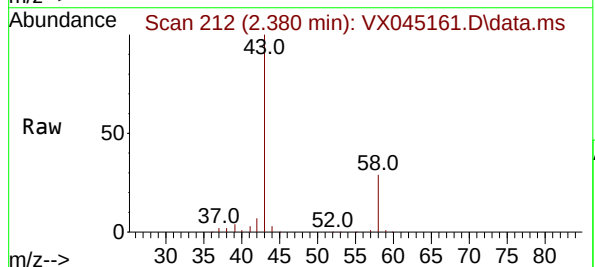
Manual Integrations
APPROVED

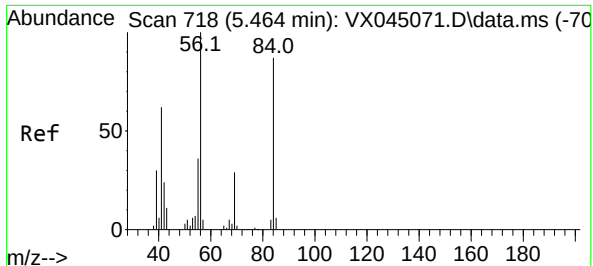
Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025



#16
Acetone
Concen: 257.228 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

Tgt Ion: 43 Resp: 133319
Ion Ratio Lower Upper
43 100
58 28.7 24.2 36.4





#31

Cyclohexane

Concen: 0.482 ug/l m

RT: 5.446 min Scan# 715

Delta R.T. -0.018 min

Lab File: VX045161.D

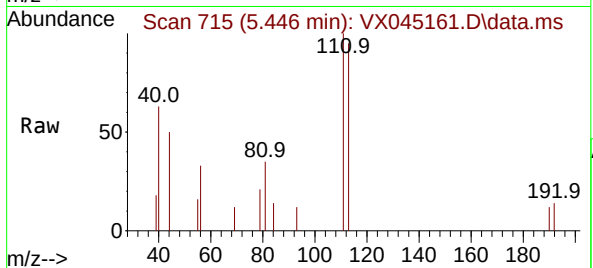
Acq: 06 Mar 2025 12:23

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-GW01DL



Tgt Ion: 56 Resp: 73

Ion Ratio Lower Upper

56 100

69 36.7 23.4 35.2

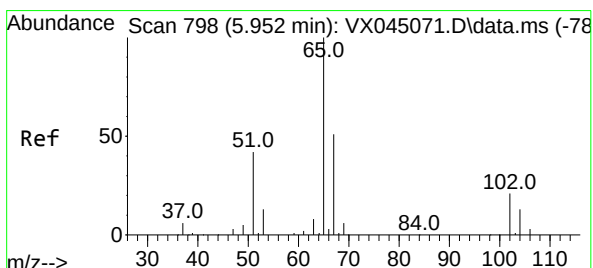
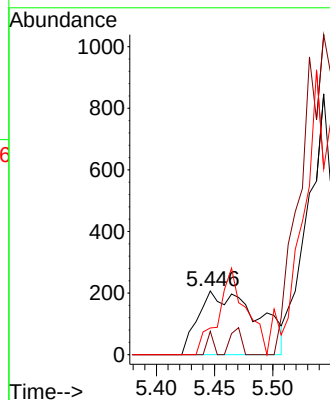
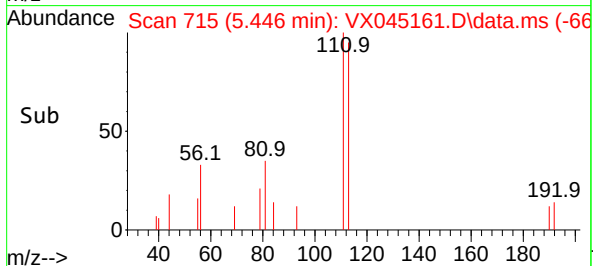
84 42.0 69.4 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2025

Supervised By :Mahesh Dadoda 03/10/2025



#33

1,2-Dichloroethane-d4

Concen: 52.046 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045161.D

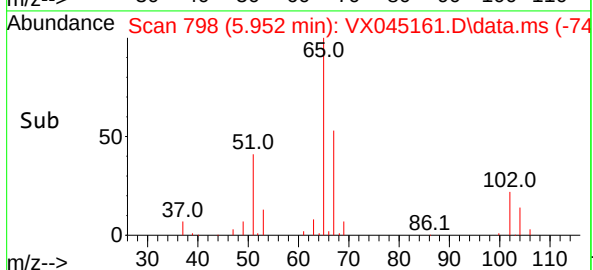
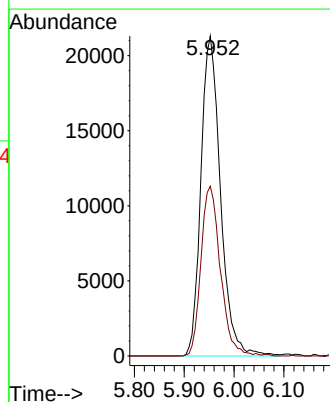
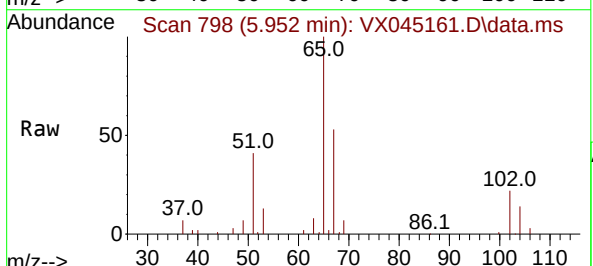
Acq: 06 Mar 2025 12:23

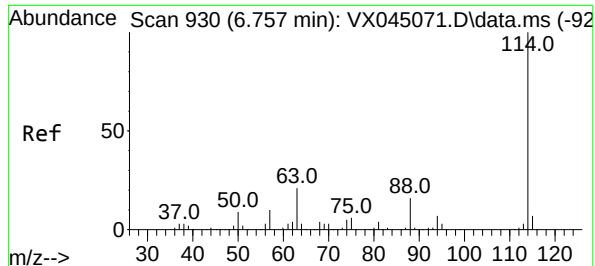
Tgt Ion: 65 Resp: 58140

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX045161.D

Acq: 06 Mar 2025 12:23

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-GW01DL

Tgt Ion:114 Resp: 13329

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

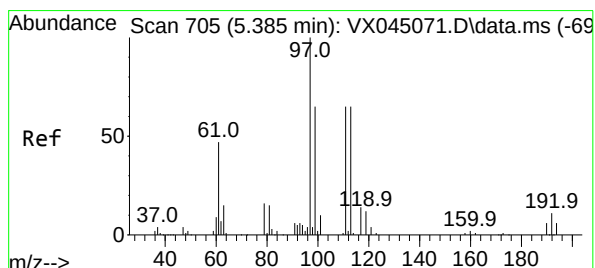
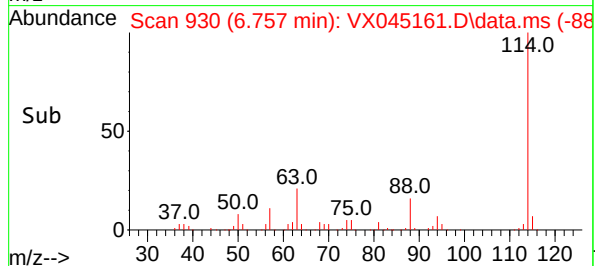
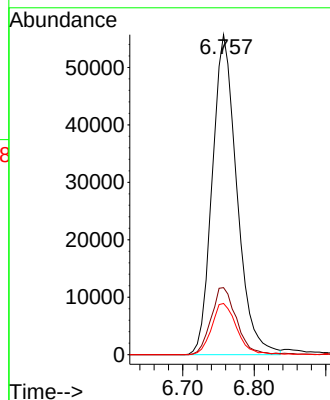
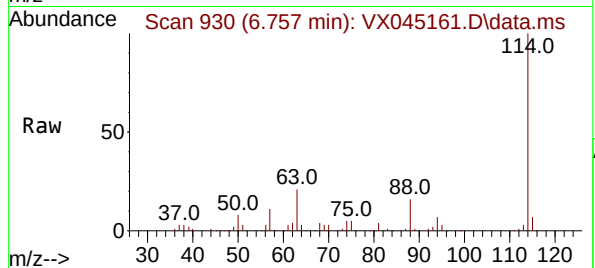
88 16.0 0.0 32.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2025

Supervised By :Mahesh Dadoda 03/10/2025



#35

Dibromofluoromethane

Concen: 53.064 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX045161.D

Acq: 06 Mar 2025 12:23

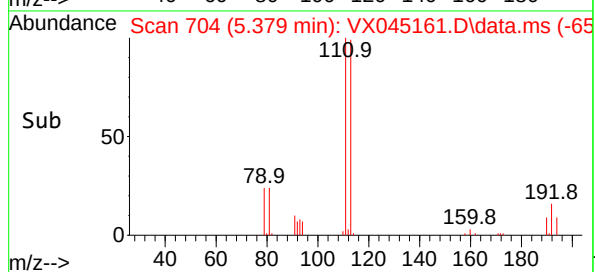
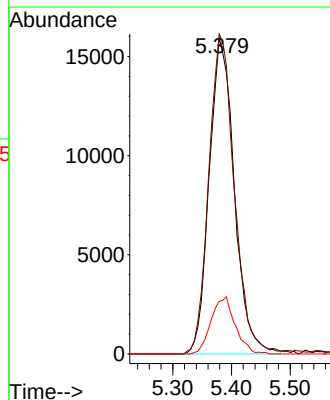
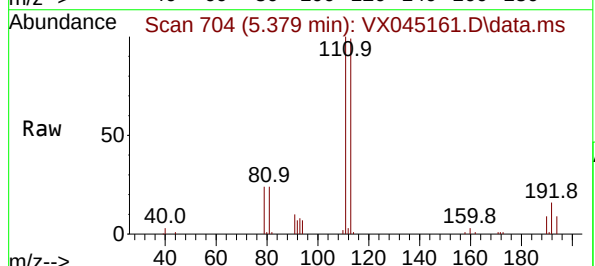
Tgt Ion:113 Resp: 47297

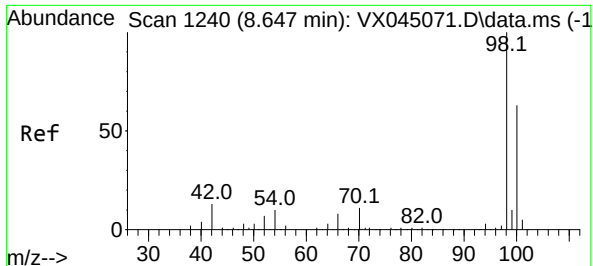
Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

192 17.3 14.3 21.5





#50

Toluene-d8

Concen: 53.414 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045161.D

Acq: 06 Mar 2025 12:23

Instrument :

MSVOA_X

ClientSampleId :

ENV-104-GW01DL

Tgt Ion: 98 Resp: 172598

Ion Ratio Lower Upper

98 100

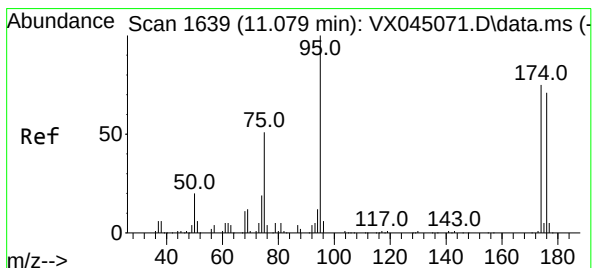
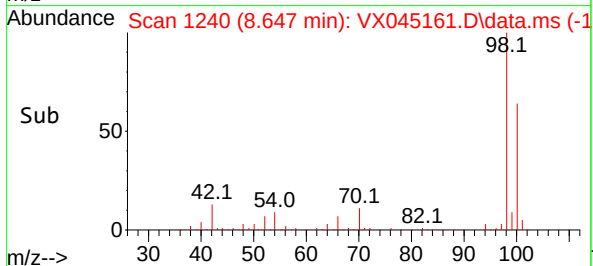
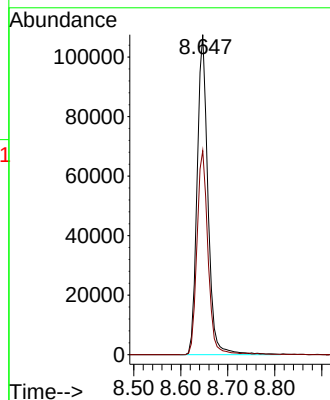
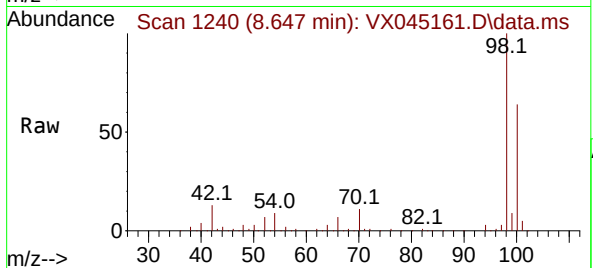
100 64.5 52.0 78.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/10/2025

Supervised By :Mahesh Dadoda 03/10/2025



#62

4-Bromofluorobenzene

Concen: 51.815 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045161.D

Acq: 06 Mar 2025 12:23

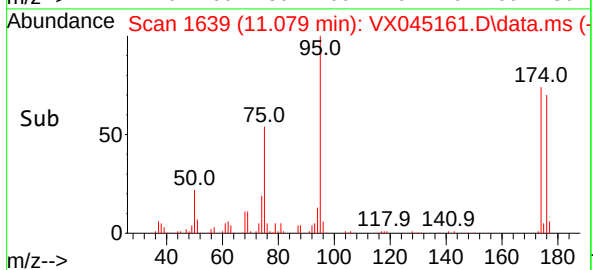
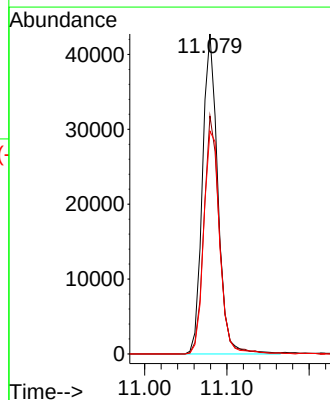
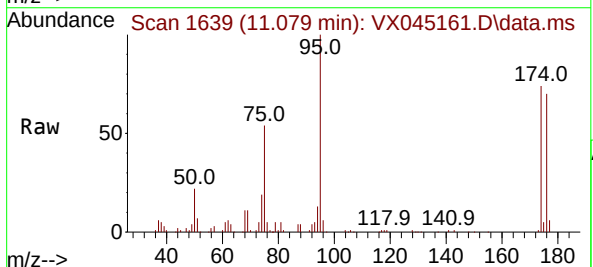
Tgt Ion: 95 Resp: 55482

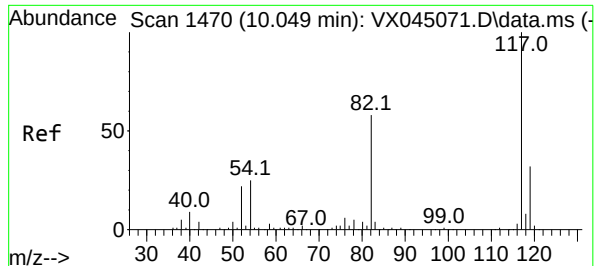
Ion Ratio Lower Upper

95 100

174 74.8 0.0 148.2

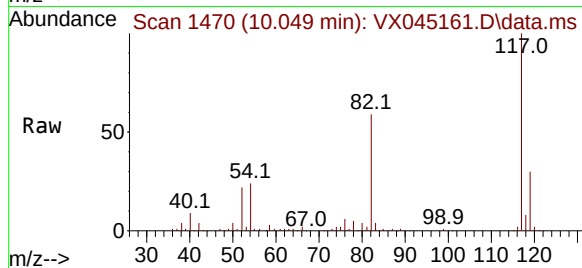
176 72.9 0.0 141.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

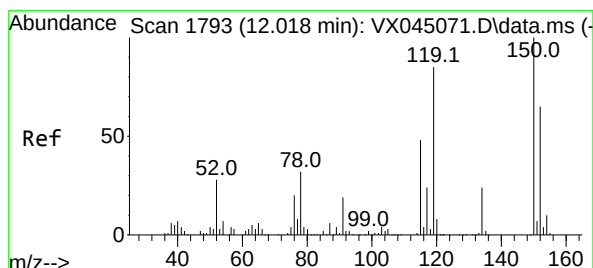
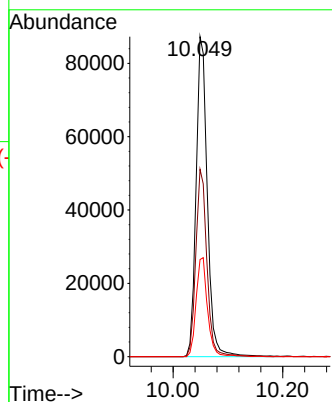
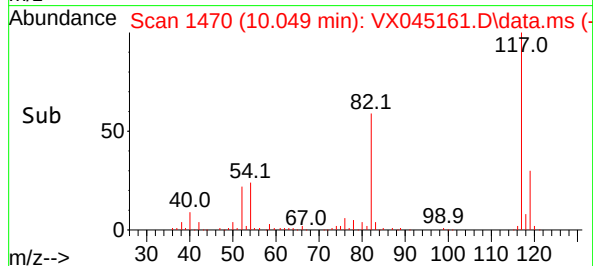
Instrument :
MSVOA_X
ClientSampleId :
ENV-104-GW01DL



Tgt Ion:117 Resp: 124634
Ion Ratio Lower Upper
117 100
82 58.6 46.3 69.5
119 30.4 25.7 38.5

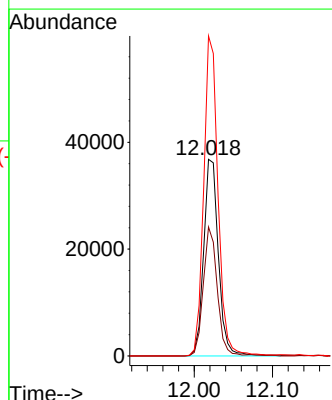
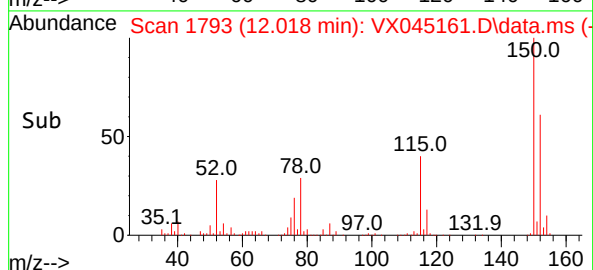
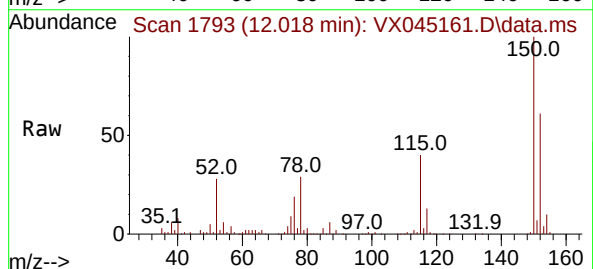
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX045161.D
Acq: 06 Mar 2025 12:23

Tgt Ion:152 Resp: 48192
Ion Ratio Lower Upper
152 100
115 61.8 44.2 132.6
150 157.5 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Quant Time: Mar 06 01:10:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

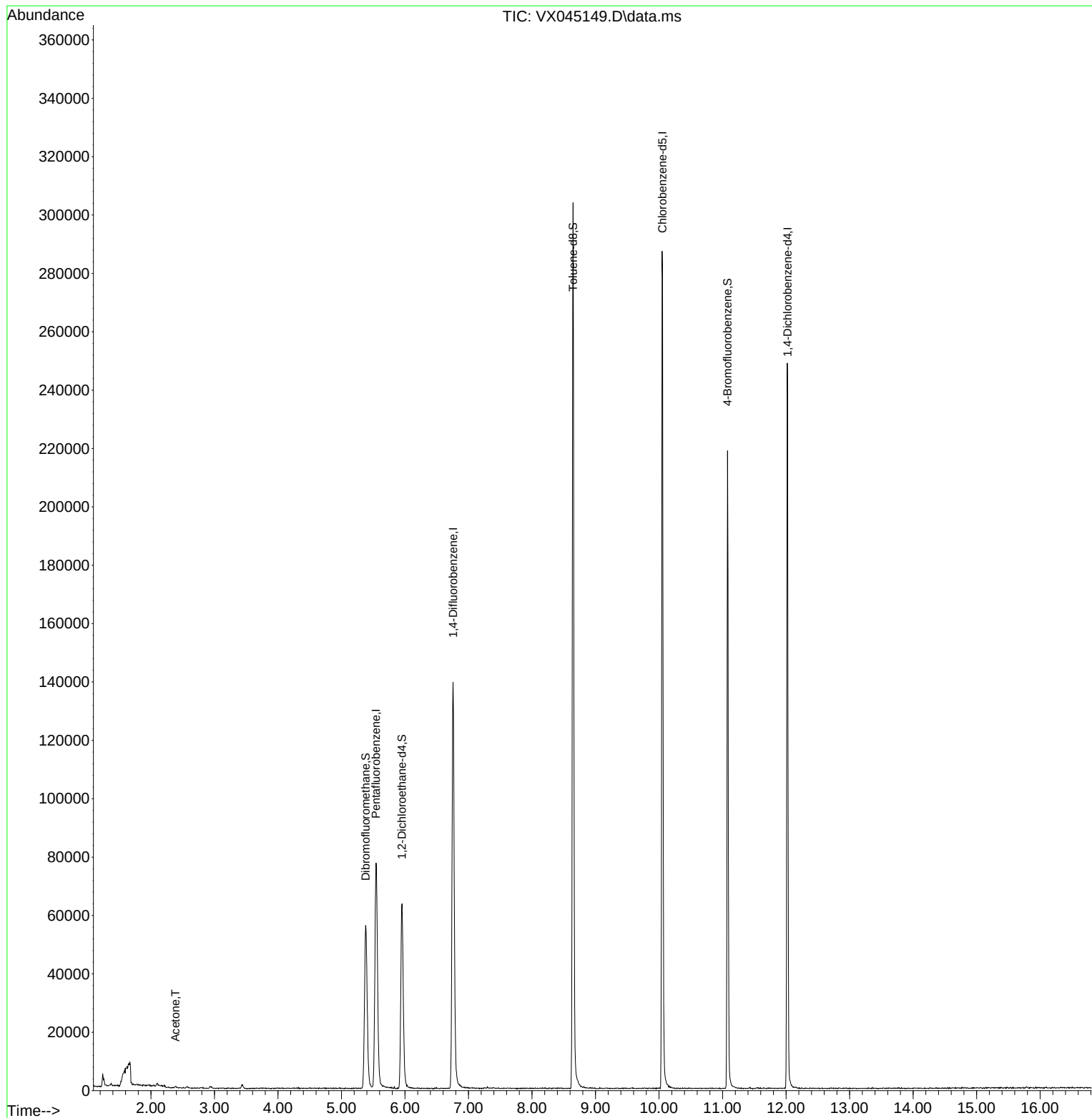
Internal Standards						
1) Pentafluorobenzene	5.544	168	72831	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	143614	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	130232	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	50863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61816	53.359	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.720%	
35) Dibromofluoromethane	5.379	113	48916	50.938	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.880%	
50) Toluene-d8	8.647	98	178936	51.397	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.800%	
62) 4-Bromofluorobenzene	11.079	95	57520	49.859	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.720%	
Target Compounds						
16) Acetone	2.386	43	580	1.079	ug/l	99

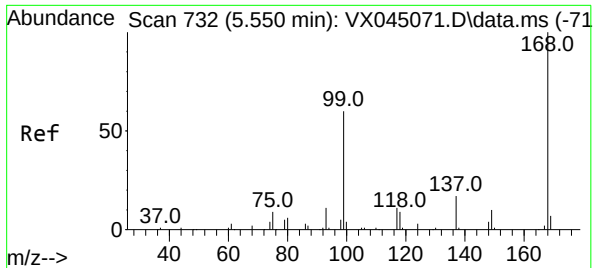
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Quant Time: Mar 06 01:10:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.006 min

Lab File: VX045149.D

Acq: 05 Mar 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

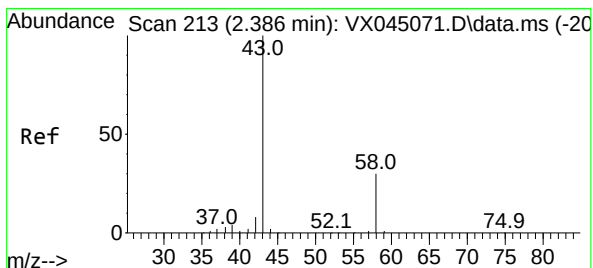
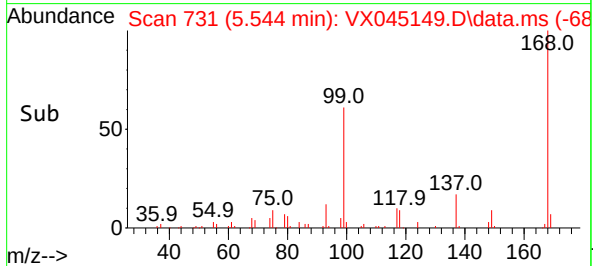
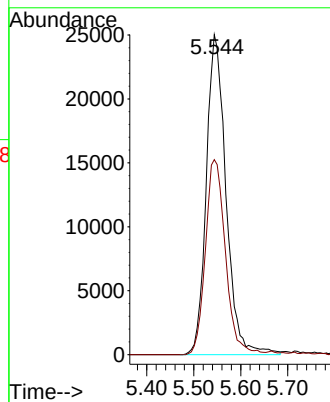
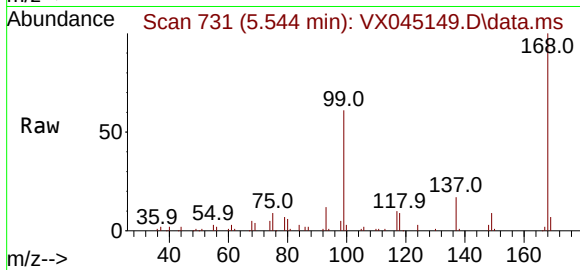
TB03042025

Tgt Ion:168 Resp: 72831

Ion Ratio Lower Upper

168 100

99 60.9 48.2 72.4



#16

Acetone

Concen: 1.079 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX045149.D

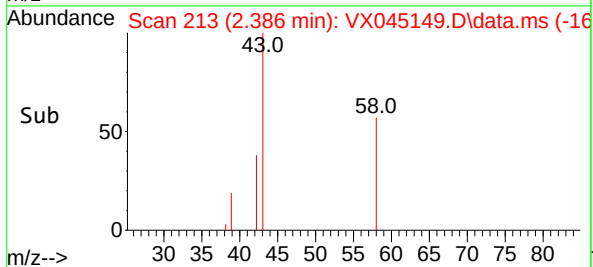
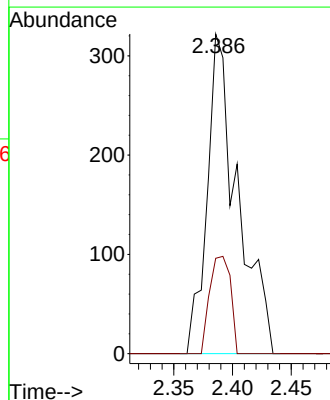
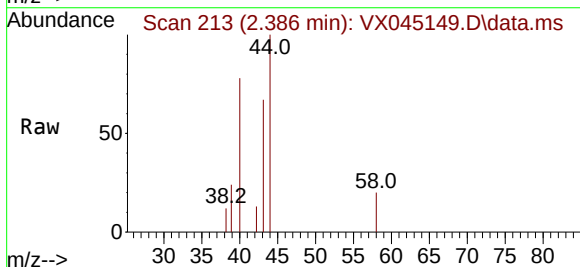
Acq: 05 Mar 2025 17:52

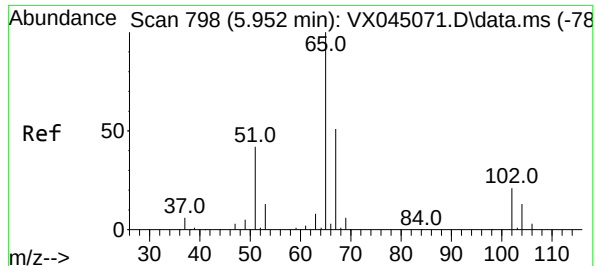
Tgt Ion: 43 Resp: 580

Ion Ratio Lower Upper

43 100

58 29.8 24.2 36.4





#33

1,2-Dichloroethane-d4

Concen: 53.359 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045149.D

Acq: 05 Mar 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

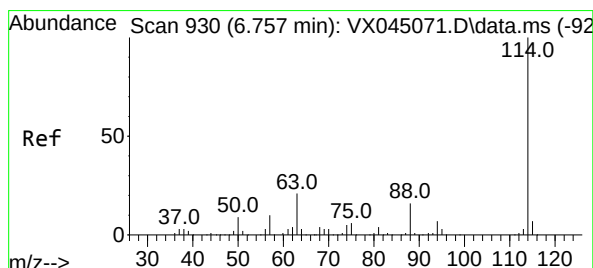
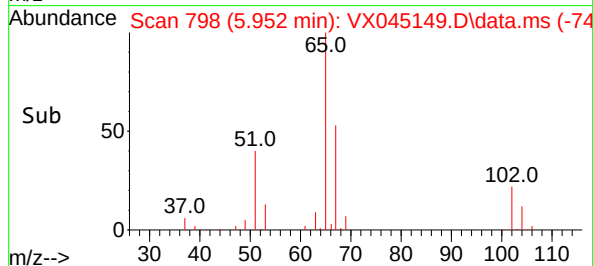
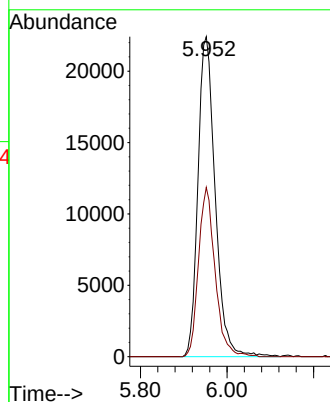
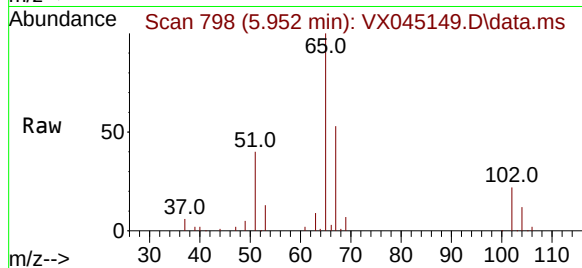
TB03042025

Tgt Ion: 65 Resp: 61816

Ion Ratio Lower Upper

65 100

67 51.0 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045149.D

Acq: 05 Mar 2025 17:52

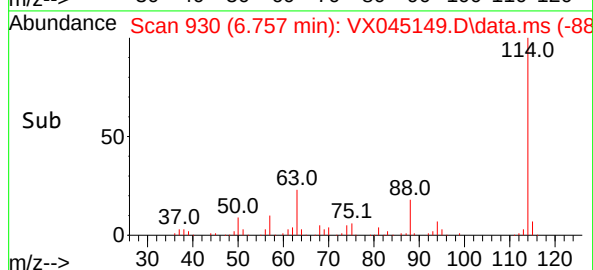
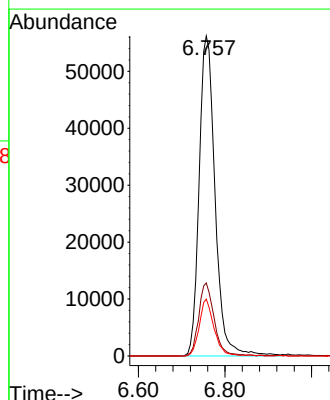
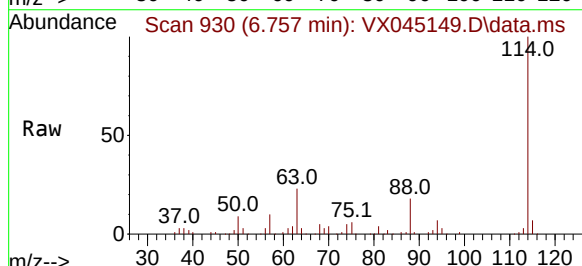
Tgt Ion: 114 Resp: 143614

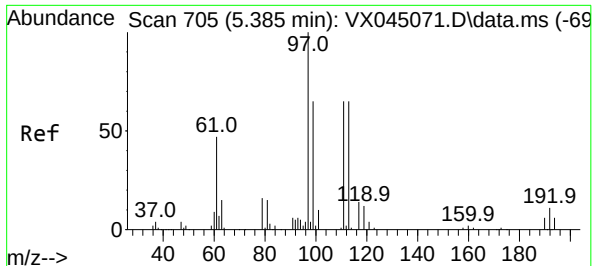
Ion Ratio Lower Upper

114 100

63 22.8 0.0 41.8

88 17.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.938 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045149.D

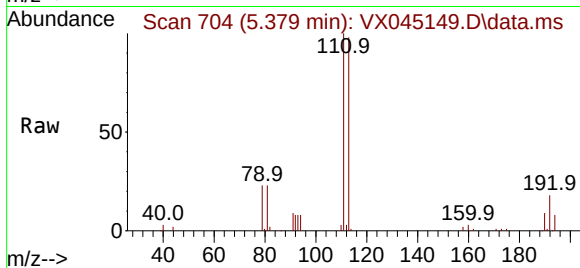
Acq: 05 Mar 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

TB03042025



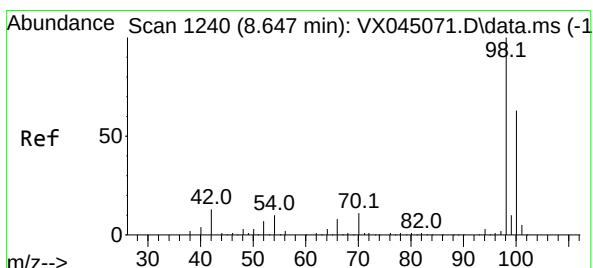
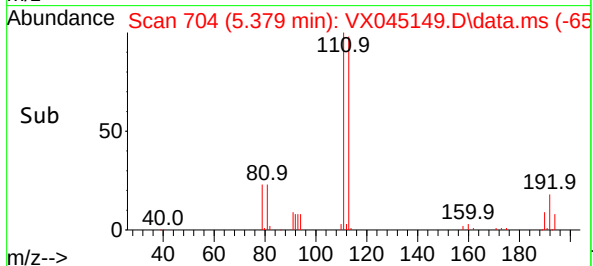
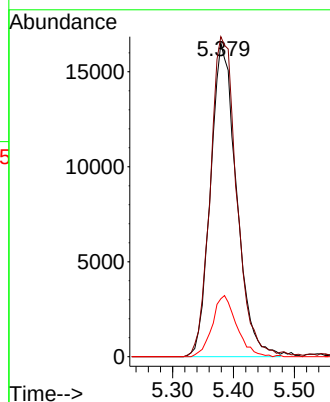
Tgt Ion:113 Resp: 48916

Ion Ratio Lower Upper

113 100

111 104.2 81.8 122.6

192 18.3 14.3 21.5



#50

Toluene-d8

Concen: 51.397 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045149.D

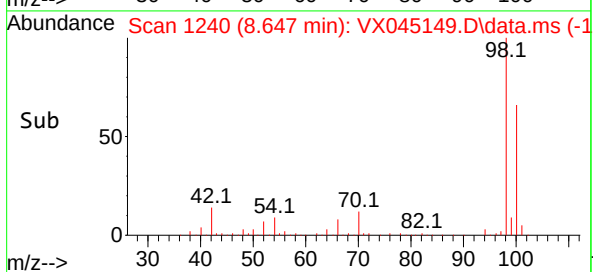
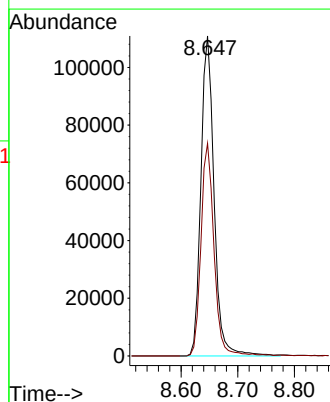
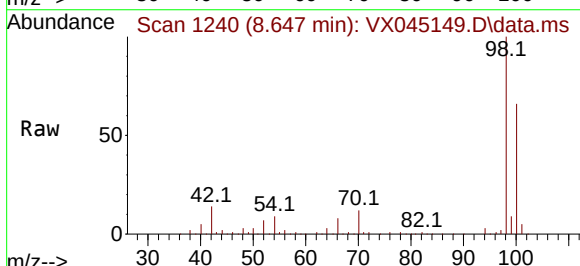
Acq: 05 Mar 2025 17:52

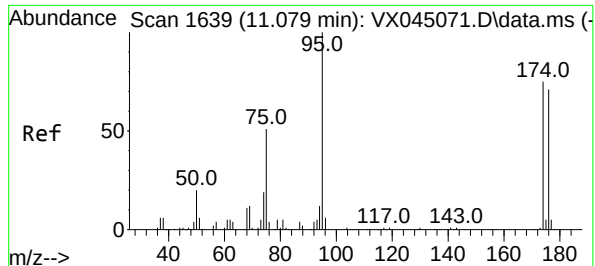
Tgt Ion: 98 Resp: 178936

Ion Ratio Lower Upper

98 100

100 65.7 52.0 78.0

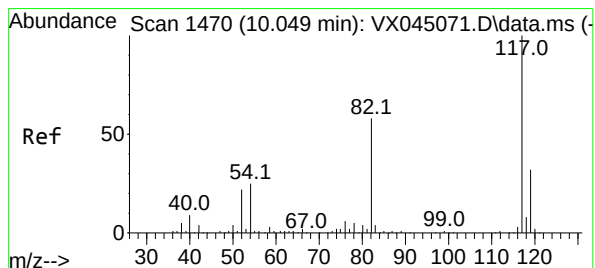
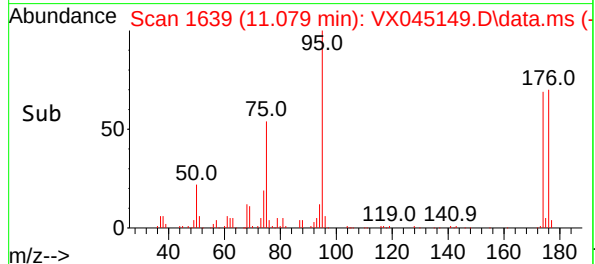
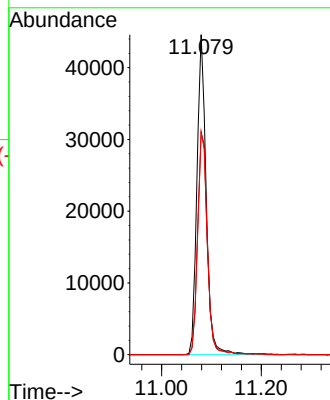
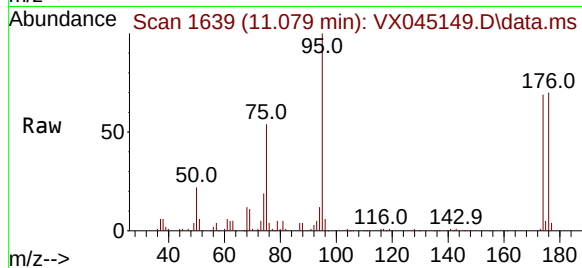




#62
4-Bromofluorobenzene
Concen: 49.859 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

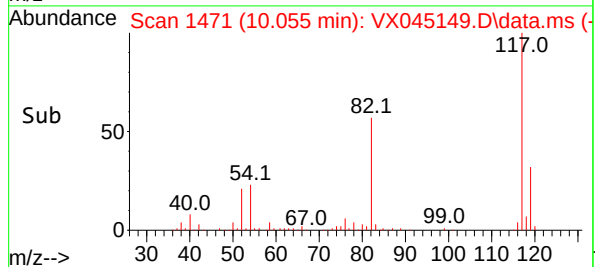
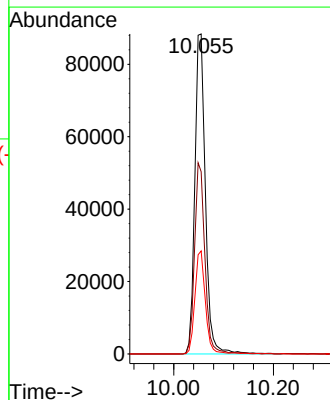
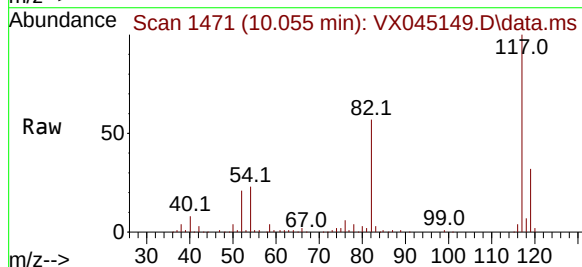
Instrument :
MSVOA_X
ClientSampleId :
TB03042025

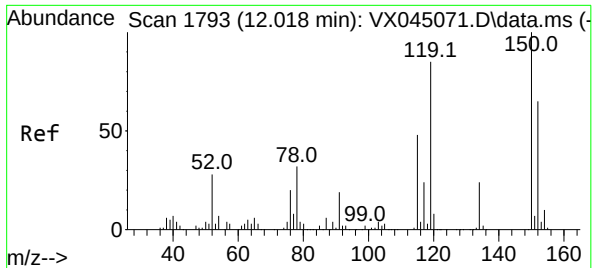
Tgt Ion: 95 Resp: 57520
Ion Ratio Lower Upper
95 100
174 72.3 0.0 148.2
176 72.3 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045149.D
Acq: 05 Mar 2025 17:52

Tgt Ion: 117 Resp: 130232
Ion Ratio Lower Upper
117 100
82 56.9 46.3 69.5
119 32.2 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX045149.D

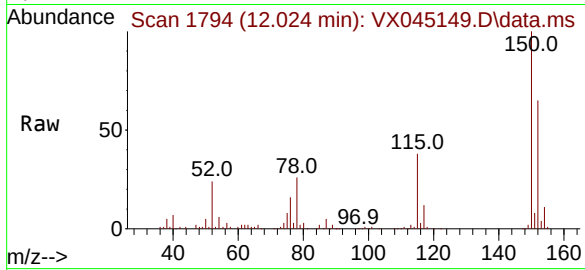
Acq: 05 Mar 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

TB03042025



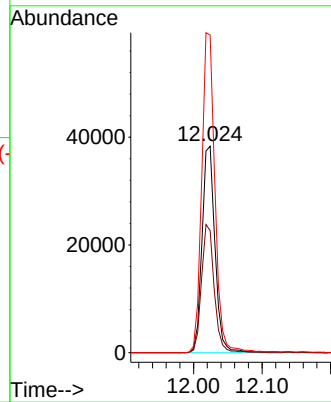
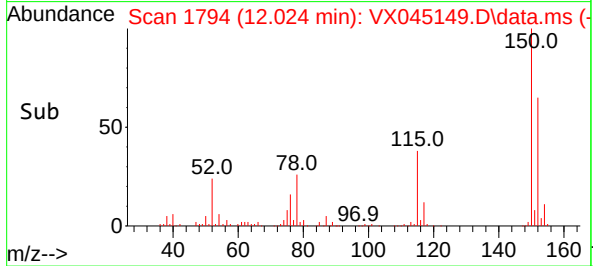
Tgt Ion:152 Resp: 50863

Ion Ratio Lower Upper

152 100

115 60.6 44.2 132.6

150 157.4 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

A
B
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J

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045149.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	32	rBV2	4447	7458	1.52%	0.306%
2	1.587	69	82	83	rBV6	5623	17021	3.47%	0.698%
3	5.379	695	704	721	rBV	55755	164636	33.59%	6.747%
4	5.544	721	731	743	rBV2	76805	219542	44.79%	8.997%
5	5.952	789	798	810	rBV	63301	170703	34.83%	6.996%
6	6.757	921	930	946	rBV	139141	341853	69.74%	14.010%
7	8.647	1234	1240	1259	rBV	303424	490169	100.00%	20.089%
8	10.049	1465	1470	1487	rBV	286976	419154	85.51%	17.178%
9	11.079	1634	1639	1650	rBV	218423	282635	57.66%	11.583%
10	12.018	1788	1793	1804	rBV	248544	326873	66.69%	13.396%

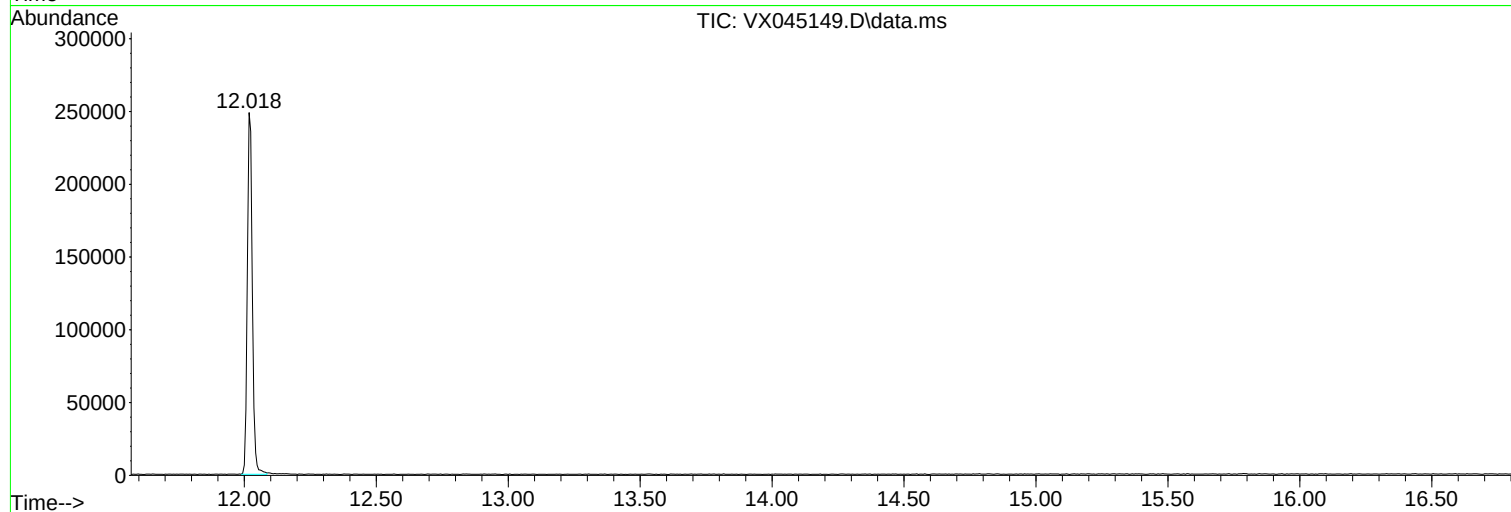
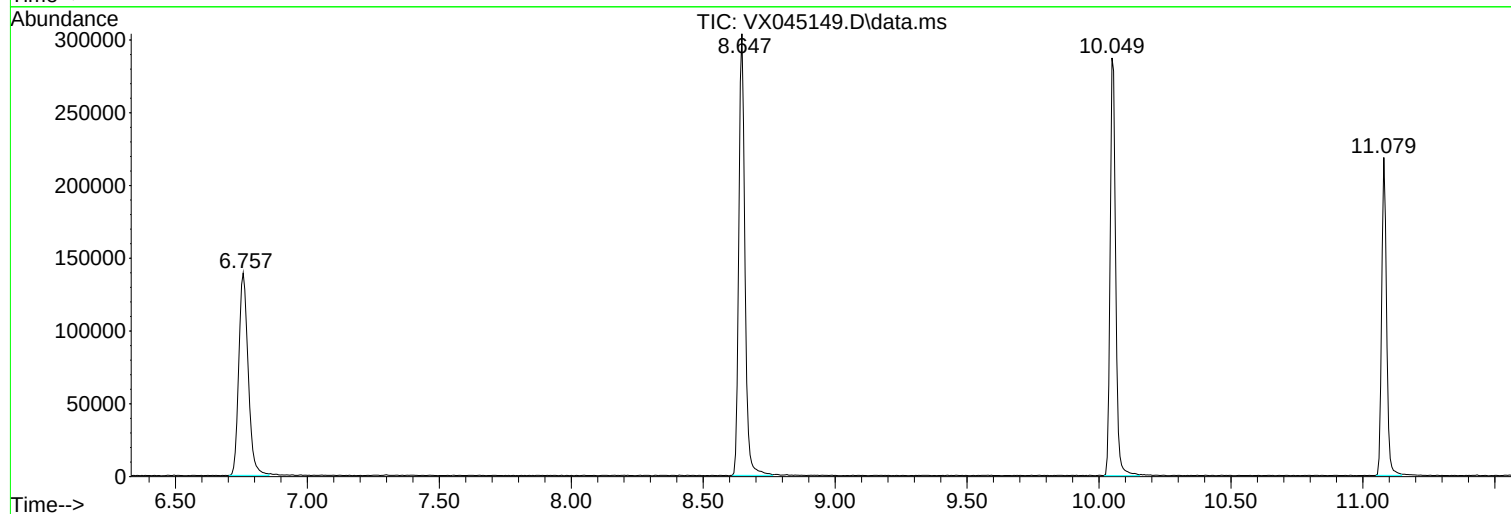
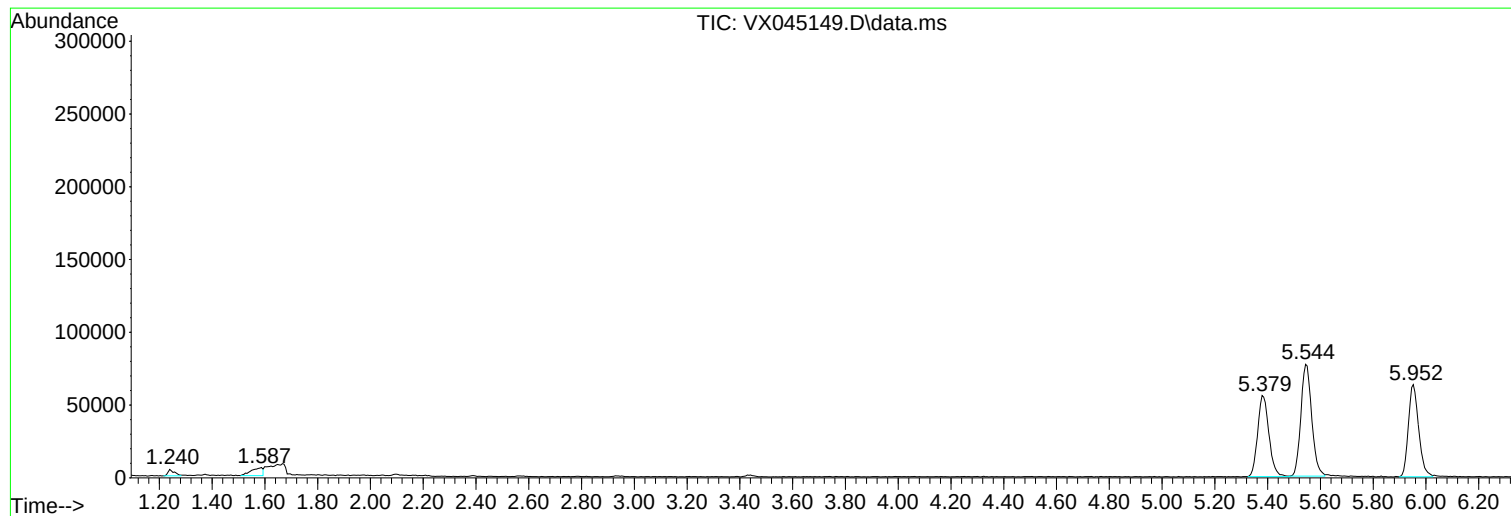
Sum of corrected areas: 2440044

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045149.D
Acq On : 05 Mar 2025 17:52
Operator : JC/MD
Sample : Q1488-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB03042025

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

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Quant Time: Mar 06 00:59:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	68143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	136785	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	125445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	50961	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	57117	52.695	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.400%
35) Dibromofluoromethane	5.385	113	46625	50.976	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.960%
50) Toluene-d8	8.647	98	169234	51.037	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.080%
62) 4-Bromofluorobenzene	11.079	95	56568	51.482	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.960%

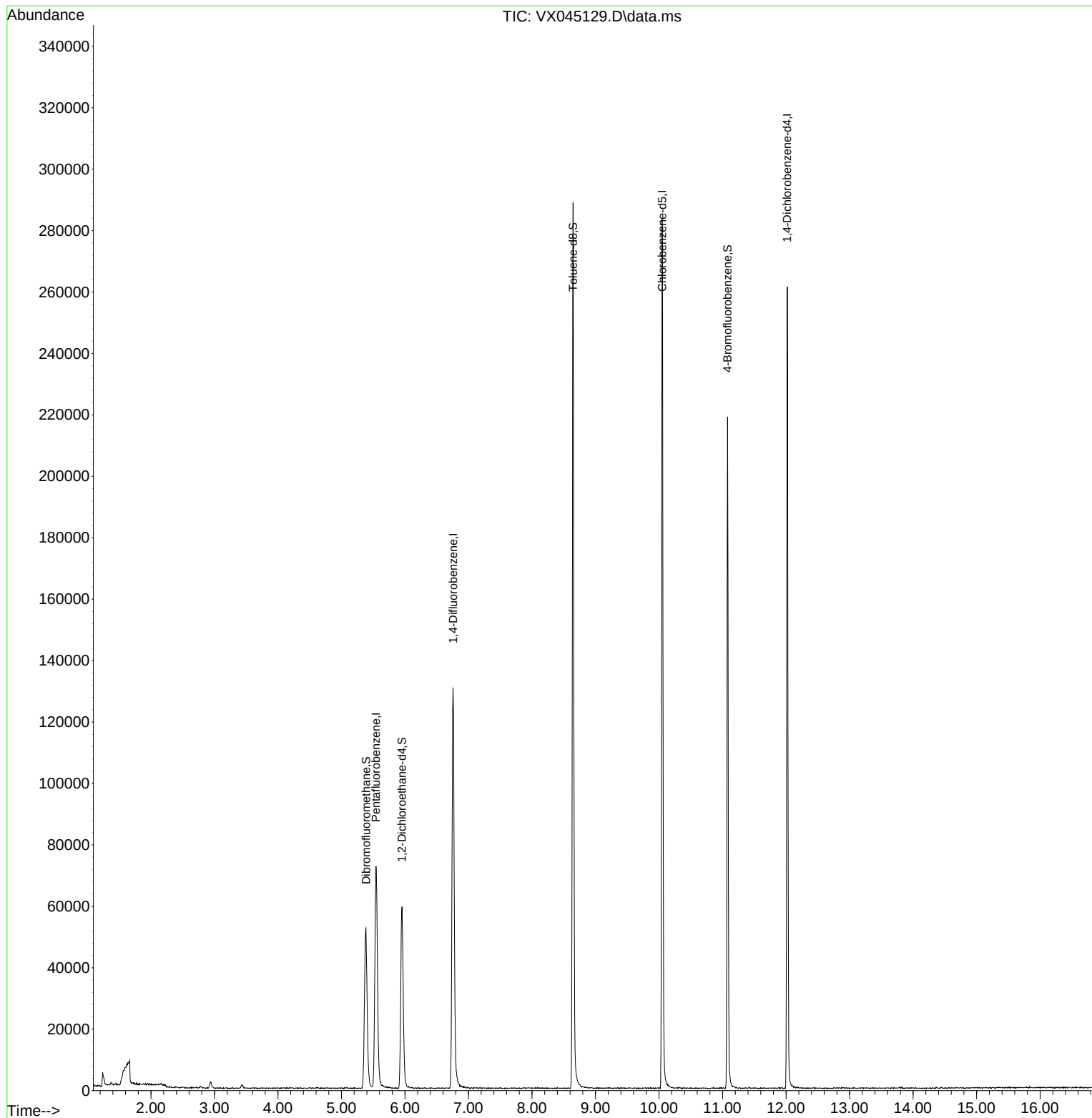
Target Compounds	Qvalue

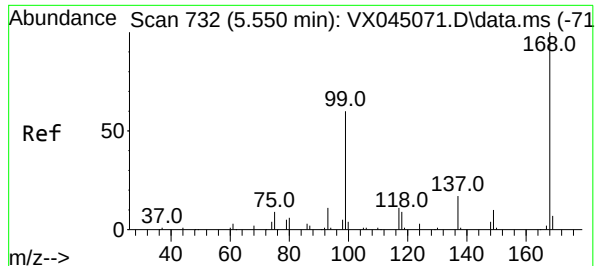
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Time: Mar 06 00:59:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

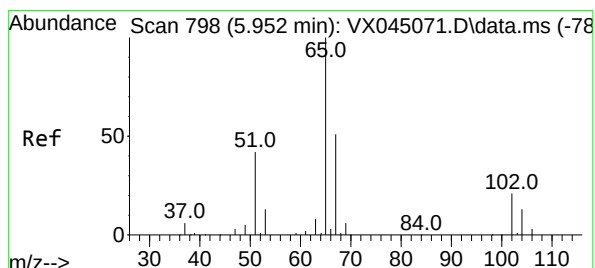
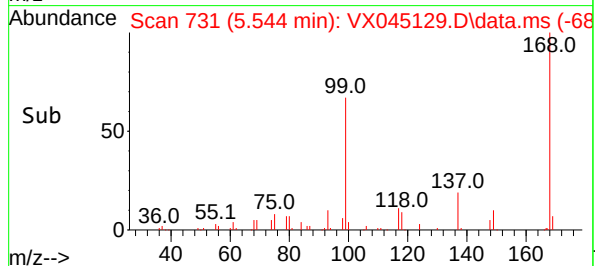
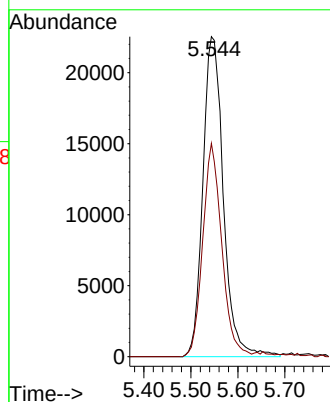
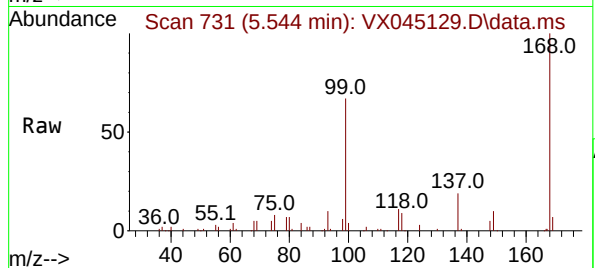




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

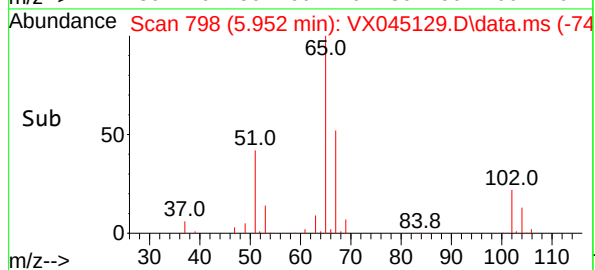
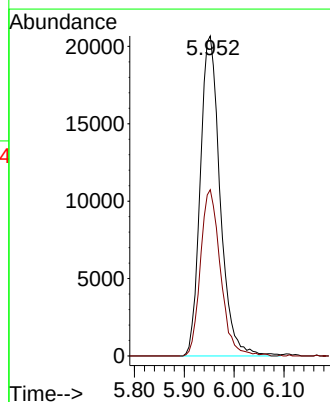
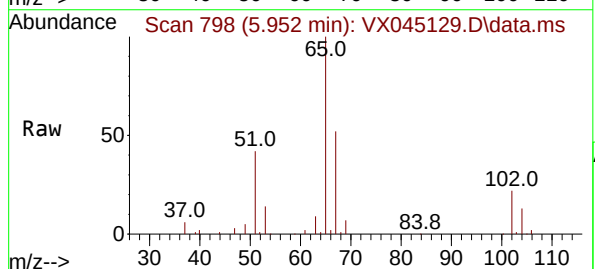
Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

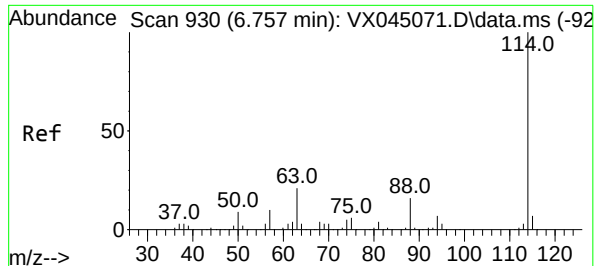
Tgt Ion:168 Resp: 68143
Ion Ratio Lower Upper
168 100
99 66.6 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 52.695 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX045129.D
Acq: 05 Mar 2025 10:03

Tgt Ion: 65 Resp: 57117
Ion Ratio Lower Upper
65 100
67 52.4 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045129.D

Acq: 05 Mar 2025 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBL01

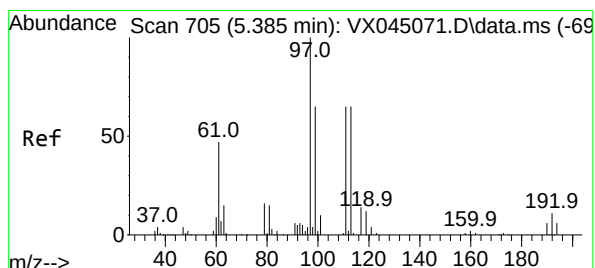
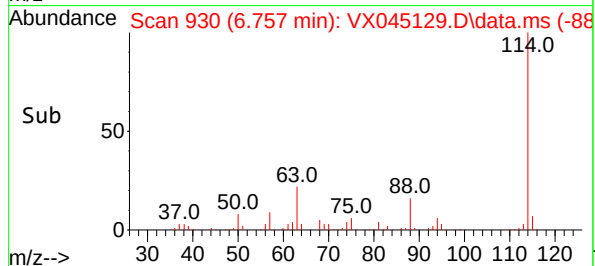
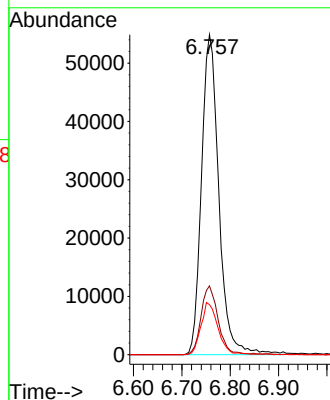
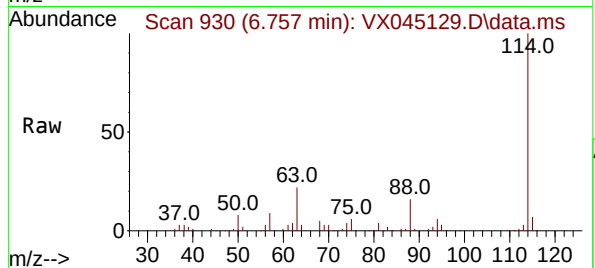
Tgt Ion:114 Resp: 136785

Ion Ratio Lower Upper

114 100

63 21.5 0.0 41.8

88 15.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.976 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045129.D

Acq: 05 Mar 2025 10:03

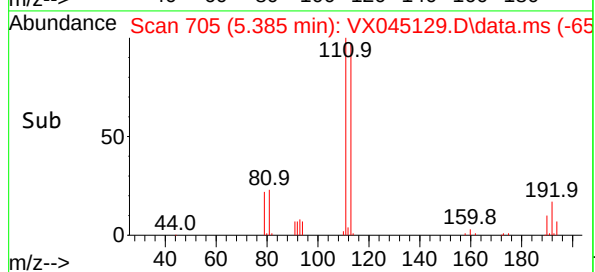
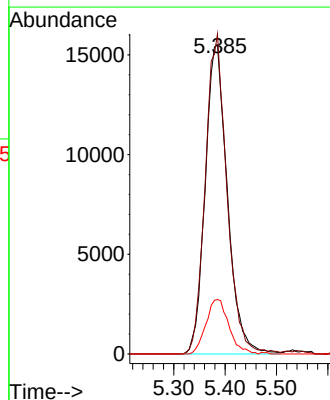
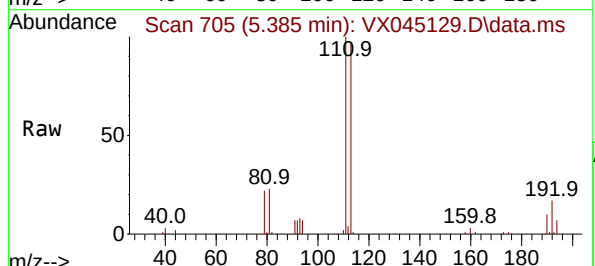
Tgt Ion:113 Resp: 46625

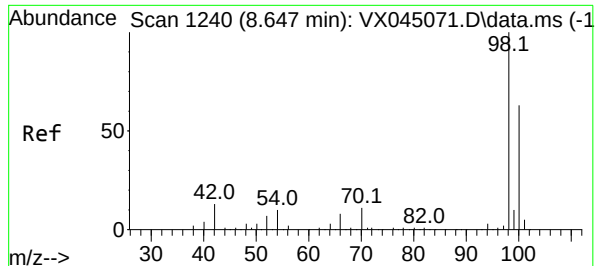
Ion Ratio Lower Upper

113 100

111 100.8 81.8 122.6

192 18.1 14.3 21.5





#50

Toluene-d8

Concen: 51.037 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045129.D

Acq: 05 Mar 2025 10:03

Instrument :

MSVOA_X

ClientSampleId :

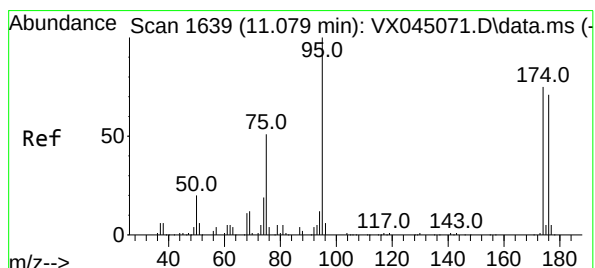
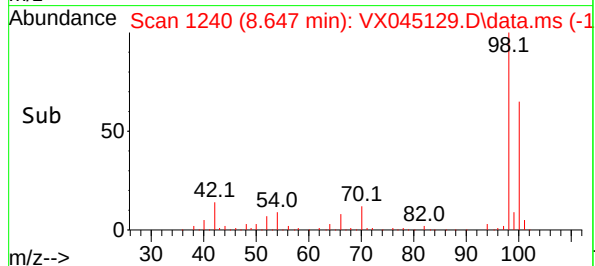
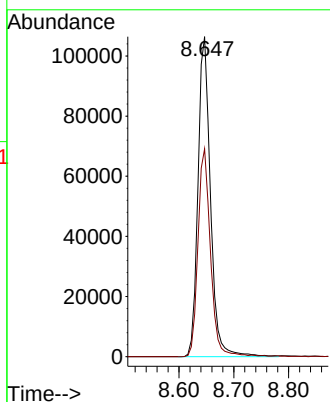
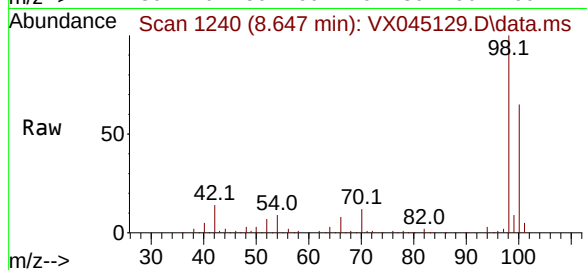
VX0305WBL01

Tgt Ion: 98 Resp: 169234

Ion Ratio Lower Upper

98 100

100 65.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.482 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045129.D

Acq: 05 Mar 2025 10:03

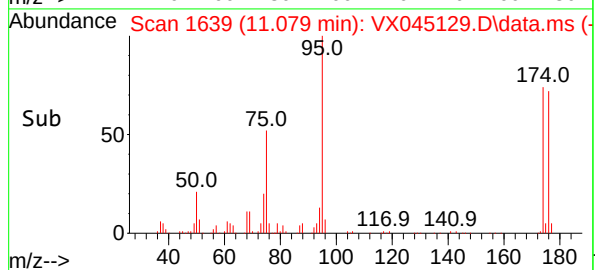
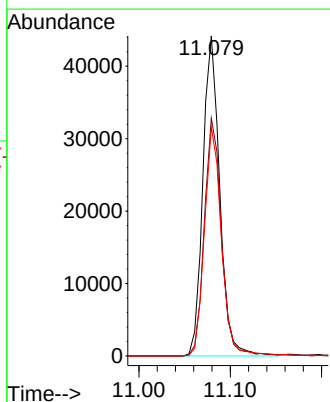
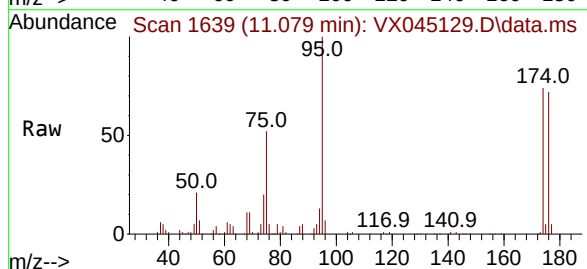
Tgt Ion: 95 Resp: 56568

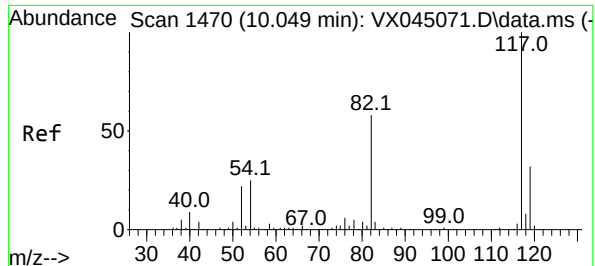
Ion Ratio Lower Upper

95 100

174 75.6 0.0 148.2

176 72.4 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045129.D

Acq: 05 Mar 2025 10:03

Instrument :

MSVOA_X

ClientSampleId :

VX0305WBL01

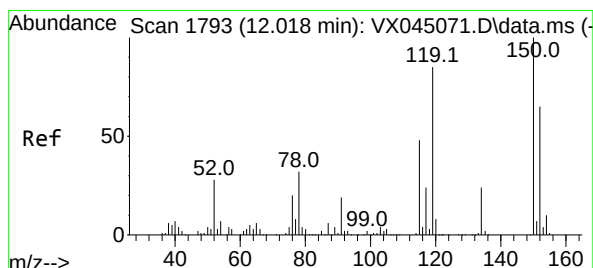
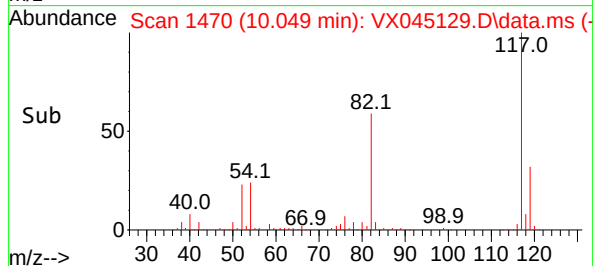
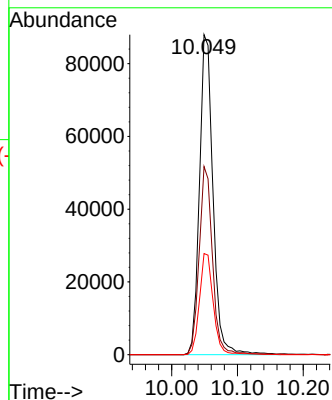
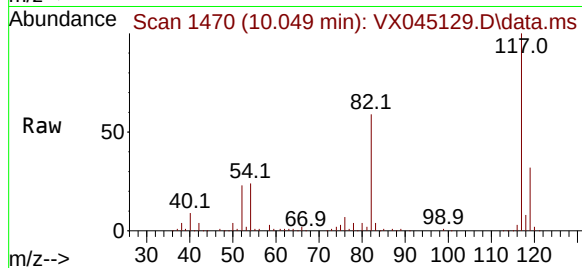
Tgt Ion:117 Resp: 125445

Ion Ratio Lower Upper

117 100

82 58.8 46.3 69.5

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045129.D

Acq: 05 Mar 2025 10:03

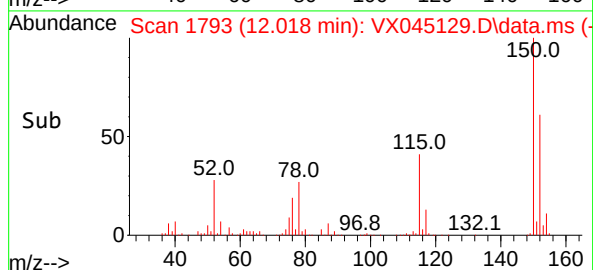
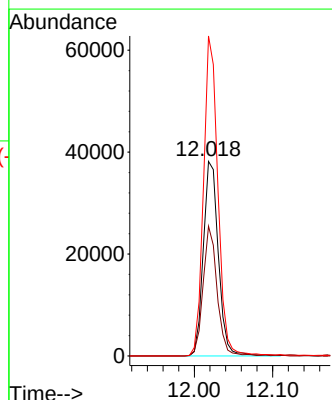
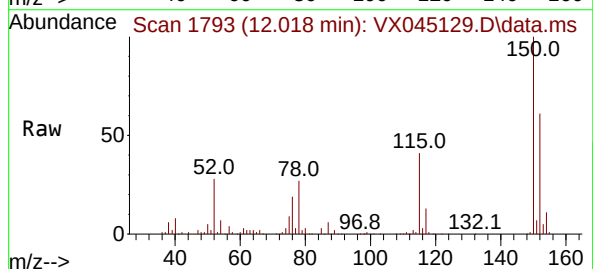
Tgt Ion:152 Resp: 50961

Ion Ratio Lower Upper

152 100

115 62.2 44.2 132.6

150 158.0 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

A

B

C

D

E

F

G

H

I

J

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045129.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	34	rBV2	4585	9025	1.96%	0.386%
2	1.563	69	78	79	rBV4	4725	9424	2.04%	0.403%
3	5.385	695	705	719	rBV	51879	154017	33.38%	6.584%
4	5.544	721	731	746	rVV	71740	205467	44.53%	8.783%
5	5.952	786	798	814	rBV	59212	161982	35.11%	6.924%
6	6.757	921	930	945	rBV	130477	322367	69.87%	13.780%
7	8.647	1233	1240	1257	rBV	288427	461364	100.00%	19.721%
8	10.049	1465	1470	1488	rBV	283057	403560	87.47%	17.251%
9	11.079	1634	1639	1651	rBV	218519	281517	61.02%	12.034%
10	12.018	1788	1793	1804	rBV	260936	330683	71.68%	14.135%

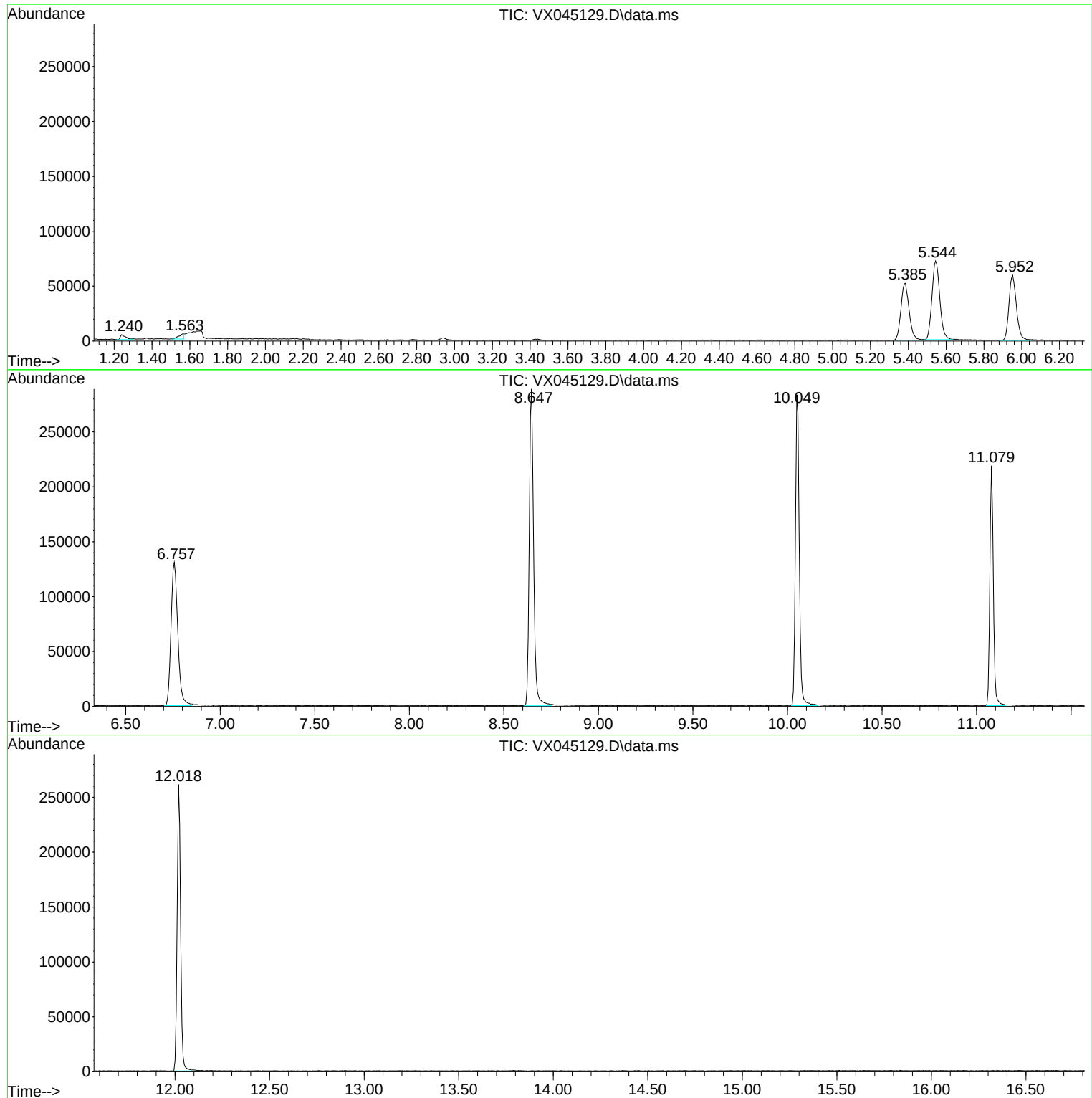
Sum of corrected areas: 2339406

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A
B
C
D
E
F
G
H
I
J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045129.D
Acq On : 05 Mar 2025 10:03
Operator : JC/MD
Sample : VX0305WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Quant Time: Mar 07 00:37:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	71177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	139793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	129041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53719	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	61044	53.917	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	107.840%
35) Dibromofluoromethane	5.379	113	48946	52.362	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.720%
50) Toluene-d8	8.647	98	177288	52.315	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.640%
62) 4-Bromofluorobenzene	11.079	95	58160	51.792	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.580%

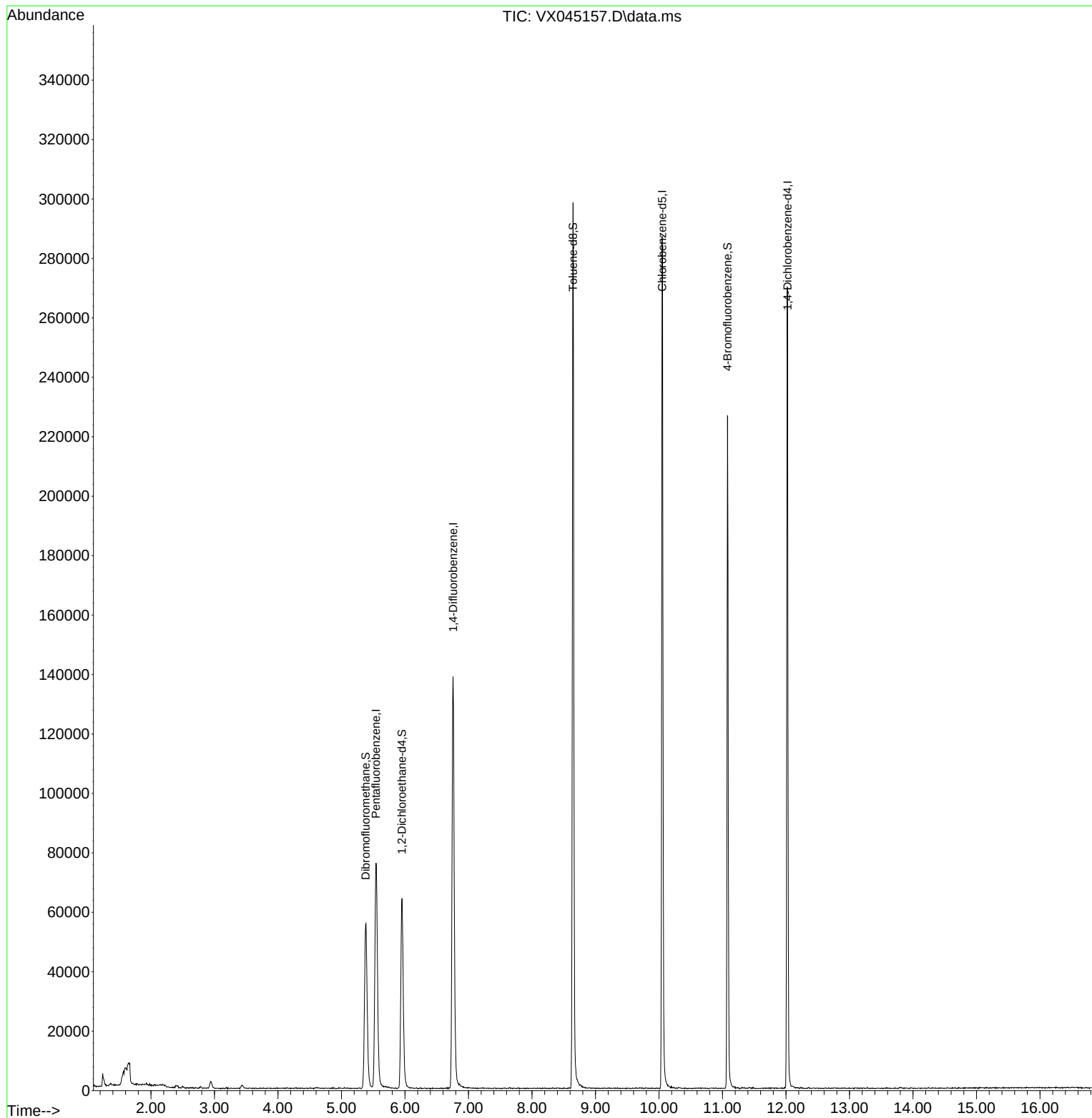
Target Compounds	Qvalue

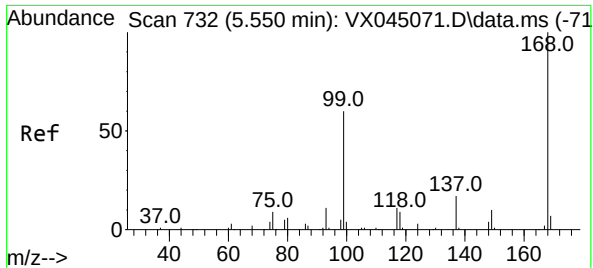
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Quant Time: Mar 07 00:37:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

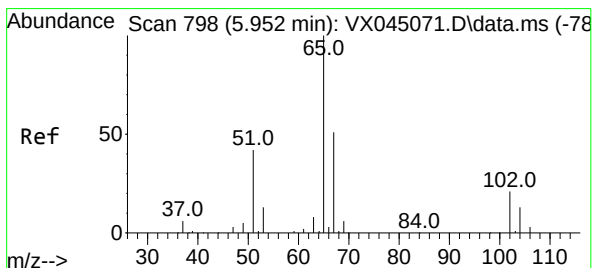
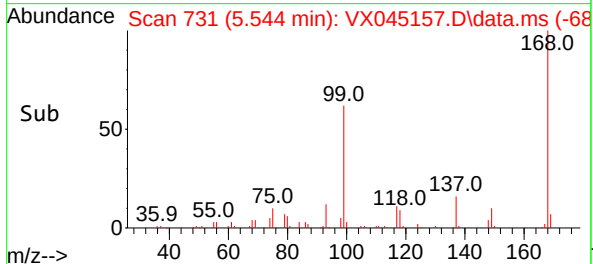
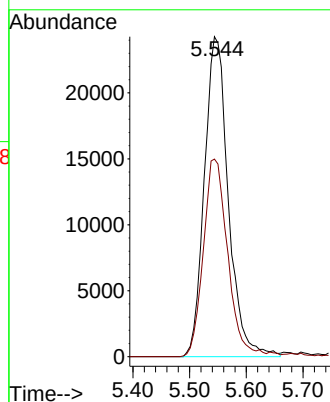
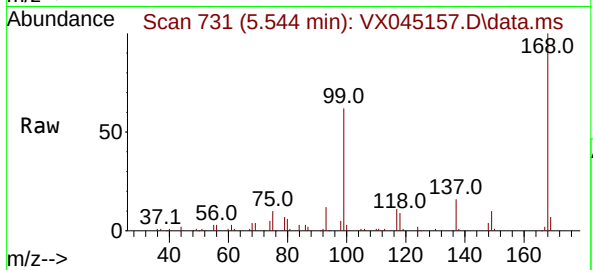




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045157.D
Acq: 06 Mar 2025 10:46

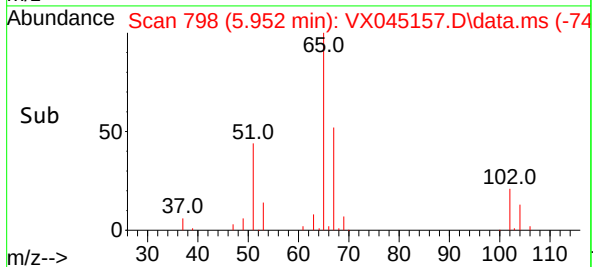
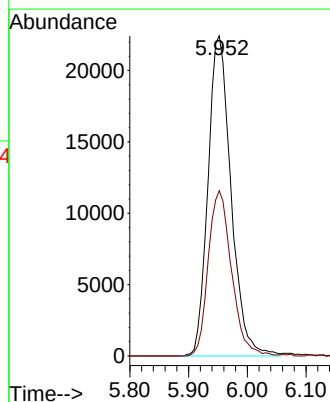
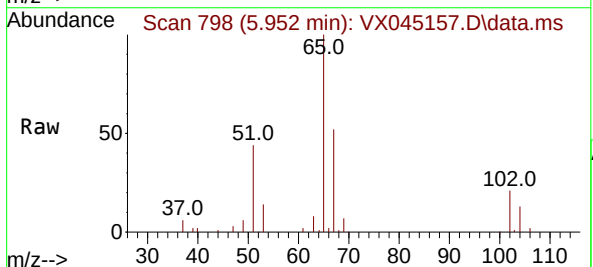
Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

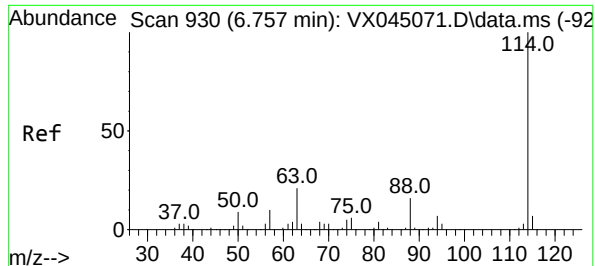
Tgt Ion:168 Resp: 71177
Ion Ratio Lower Upper
168 100
99 61.8 48.2 72.4



#33
1,2-Dichloroethane-d4
Concen: 53.917 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX045157.D
Acq: 06 Mar 2025 10:46

Tgt Ion: 65 Resp: 61044
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX045157.D

Acq: 06 Mar 2025 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBL01

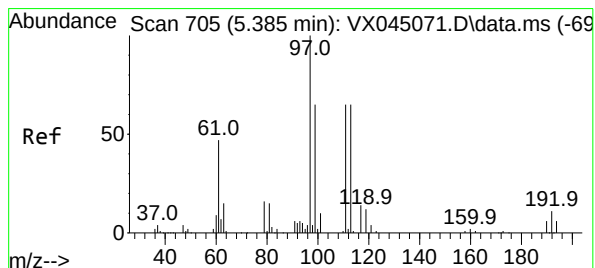
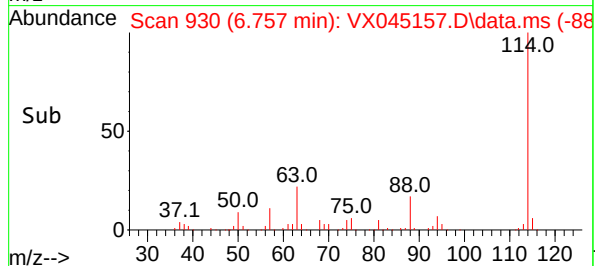
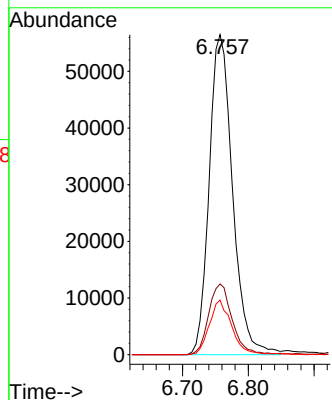
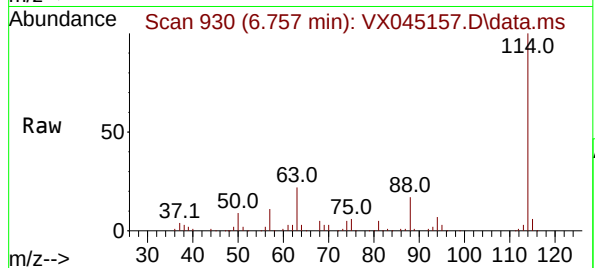
Tgt Ion:114 Resp: 139793

Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.8

88 17.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 52.362 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.006 min

Lab File: VX045157.D

Acq: 06 Mar 2025 10:46

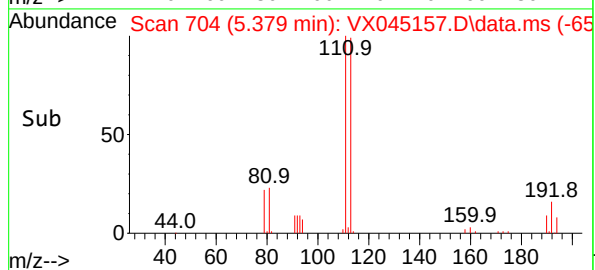
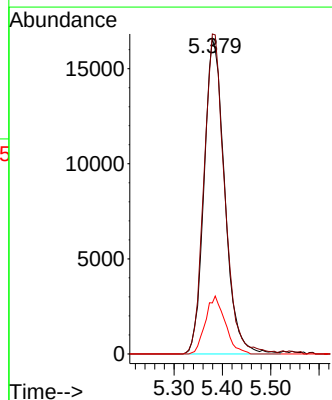
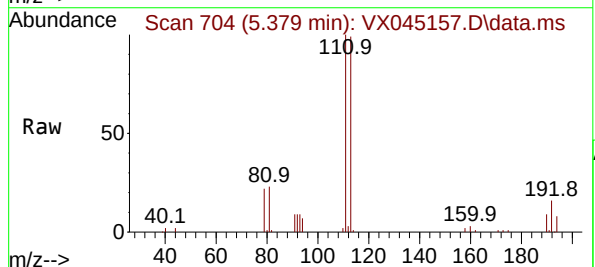
Tgt Ion:113 Resp: 48946

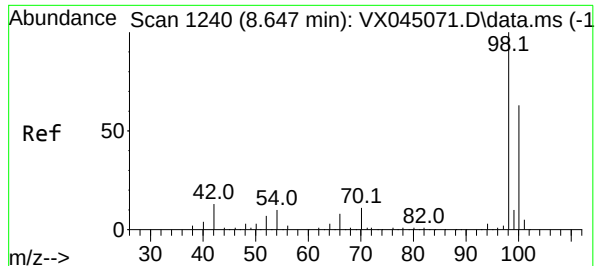
Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

192 17.7 14.3 21.5





#50

Toluene-d8

Concen: 52.315 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045157.D

Acq: 06 Mar 2025 10:46

Instrument :

MSVOA_X

ClientSampleId :

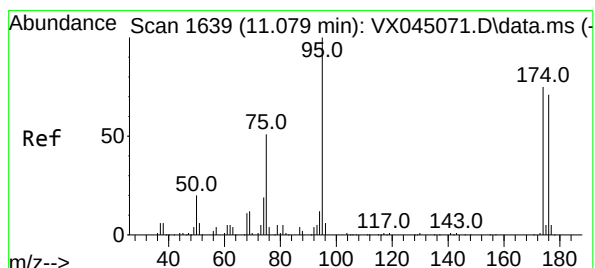
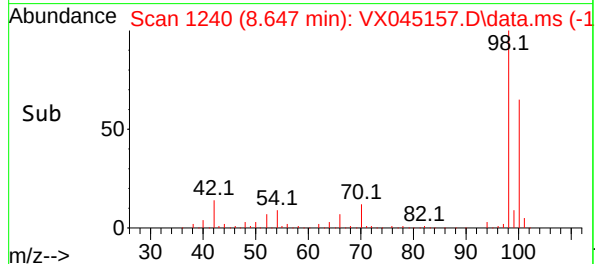
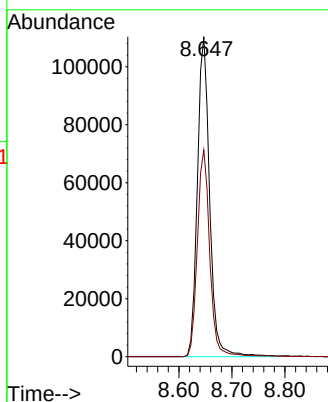
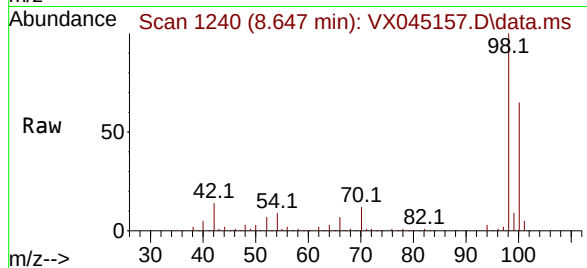
VX0306WBL01

Tgt Ion: 98 Resp: 177288

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.792 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045157.D

Acq: 06 Mar 2025 10:46

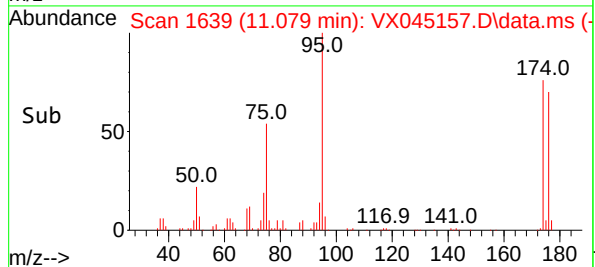
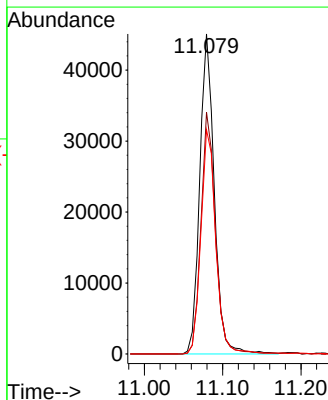
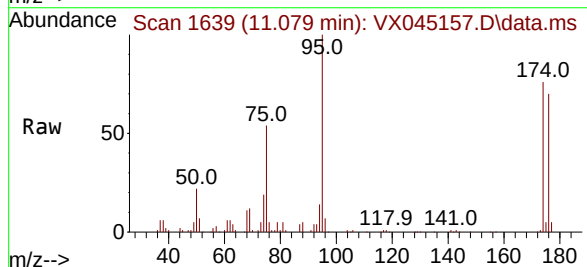
Tgt Ion: 95 Resp: 58160

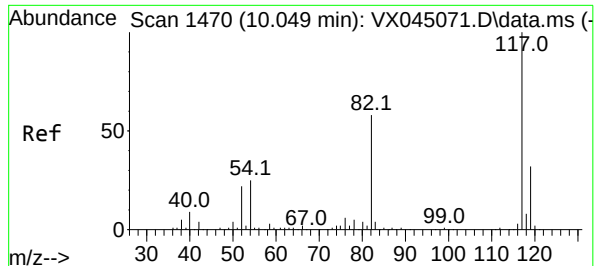
Ion Ratio Lower Upper

95 100

174 75.2 0.0 148.2

176 71.7 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX045157.D

Acq: 06 Mar 2025 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX0306WBL01

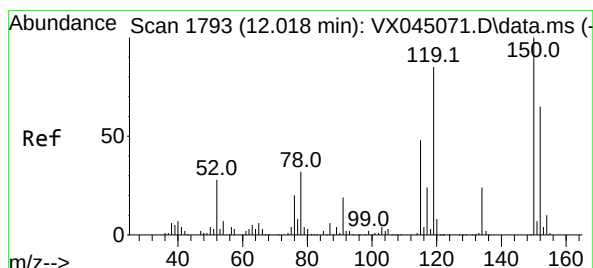
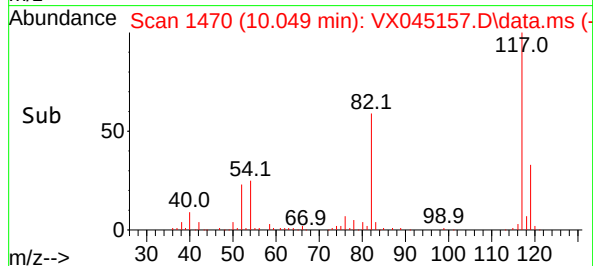
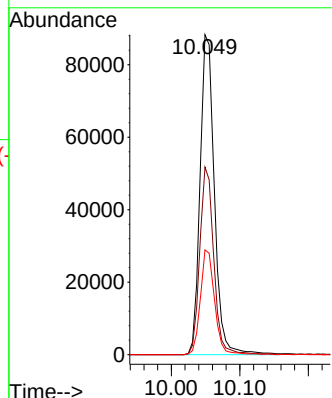
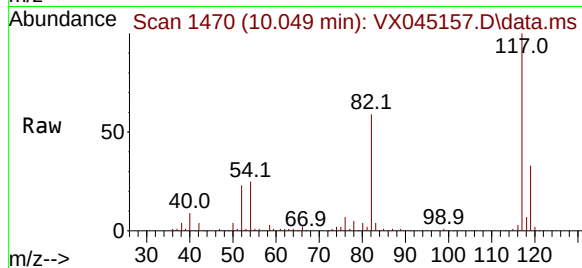
Tgt Ion:117 Resp: 129041

Ion Ratio Lower Upper

117 100

82 58.6 46.3 69.5

119 32.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX045157.D

Acq: 06 Mar 2025 10:46

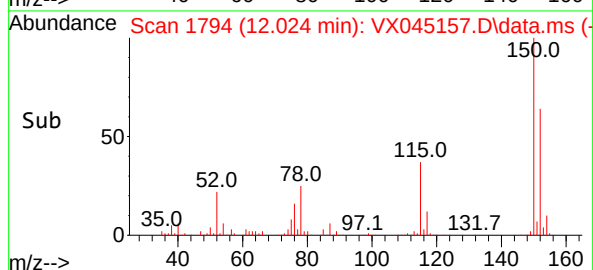
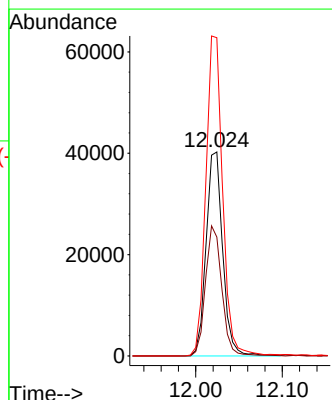
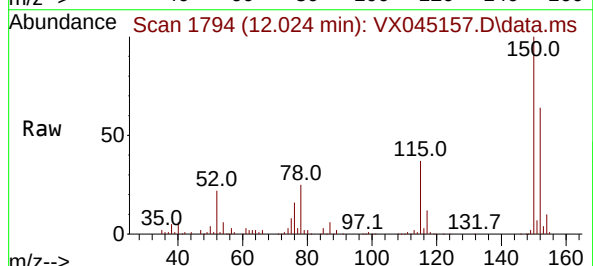
Tgt Ion:152 Resp: 53719

Ion Ratio Lower Upper

152 100

115 62.5 44.2 132.6

150 159.1 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045157.D
 Acq On : 06 Mar 2025 10:46
 Operator : JC/MD
 Sample : VX0306WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBL01

A
B
C
D
E
F
G
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I
J

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045157.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	22	25	32	rBV3	4319	7132	1.48%	0.290%
2	1.569	70	79	80	rBV3	4531	9642	2.00%	0.393%
3	2.941	298	304	311	rBV4	2309	5388	1.12%	0.219%
4	5.385	692	705	720	rBV2	55591	164180	33.98%	6.686%
5	5.544	721	731	747	rVV2	75358	217899	45.10%	8.873%
6	5.952	785	798	821	rBV2	64025	173958	36.00%	7.084%
7	6.757	921	930	945	rBV	138474	338726	70.10%	13.793%
8	8.647	1233	1240	1256	rBV	298102	483187	100.00%	19.676%
9	10.049	1465	1470	1484	rBV	286543	414987	85.89%	16.899%
10	11.079	1634	1639	1656	rBV	226269	289583	59.93%	11.792%
11	12.018	1788	1793	1803	rBV	269584	351017	72.65%	14.294%

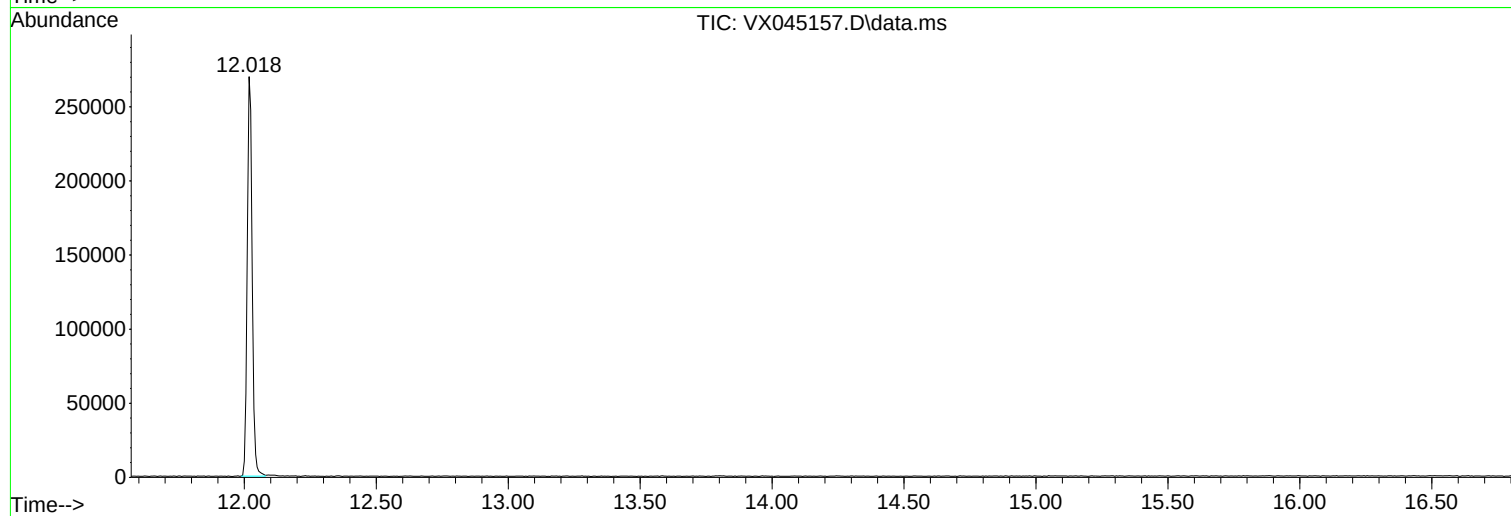
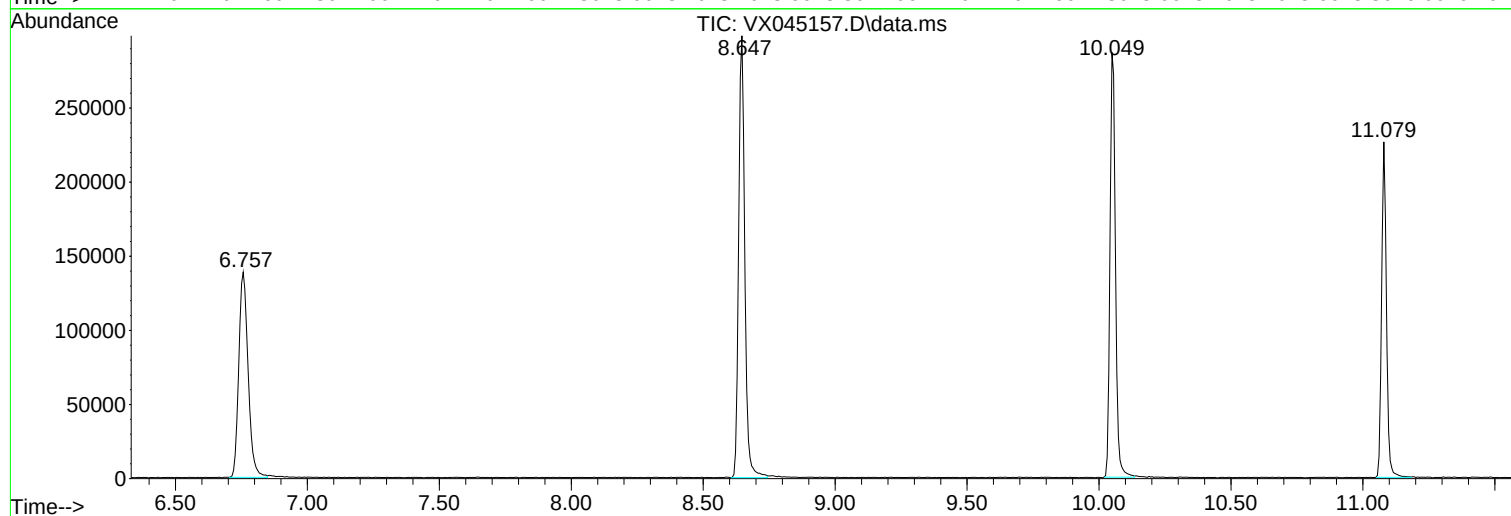
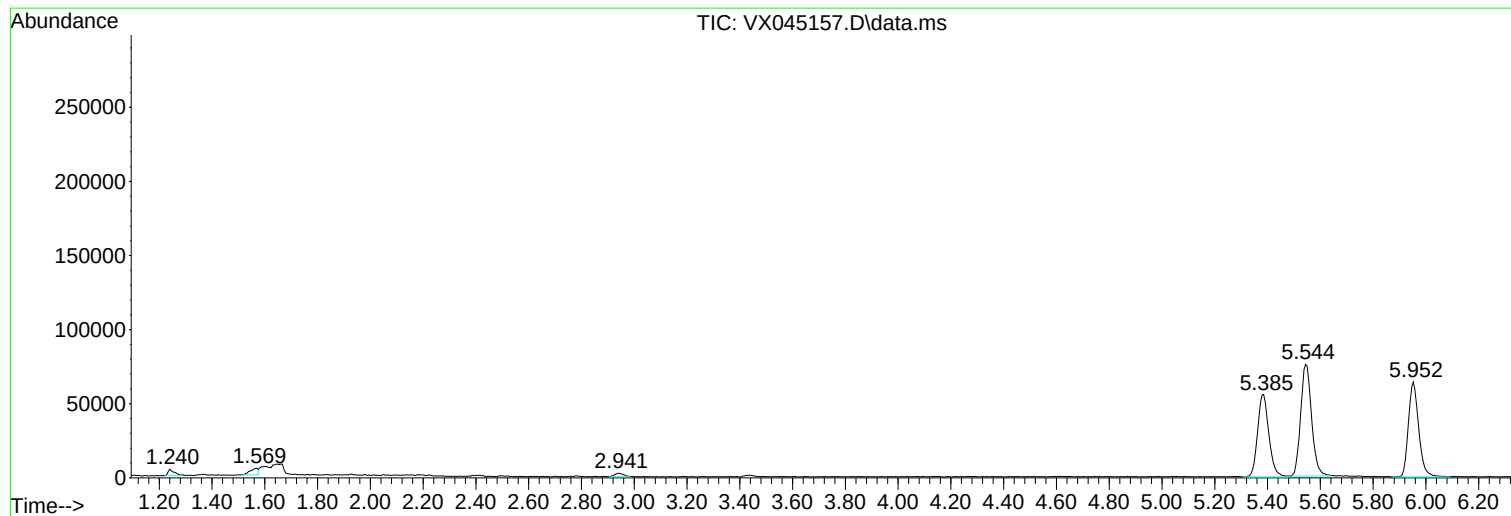
Sum of corrected areas: 2455699

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045157.D
Acq On : 06 Mar 2025 10:46
Operator : JC/MD
Sample : VX0306WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

A
B
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Quant Time: Mar 07 00:38:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	249443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	460921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	405928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	156000	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	154096	58.448	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.900%
35) Dibromofluoromethane	7.634	113	154971	51.151	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.300%
50) Toluene-d8	10.109	98	558007	48.643	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.280%
62) 4-Bromofluorobenzene	12.408	95	170007	43.568	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.140%

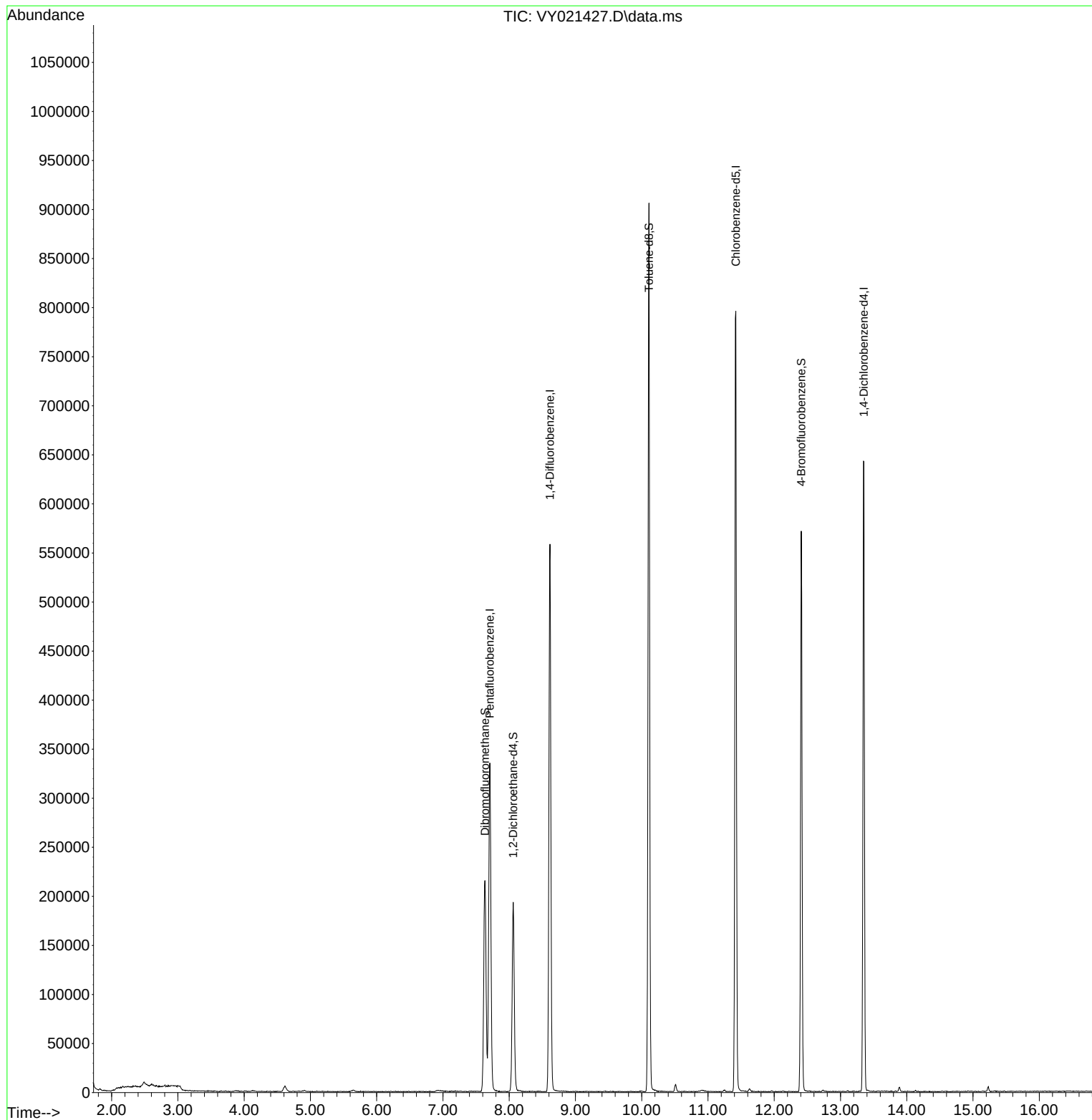
Target Compounds	Qvalue

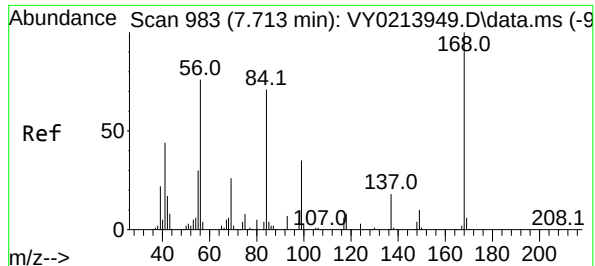
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Time: Mar 07 00:38:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

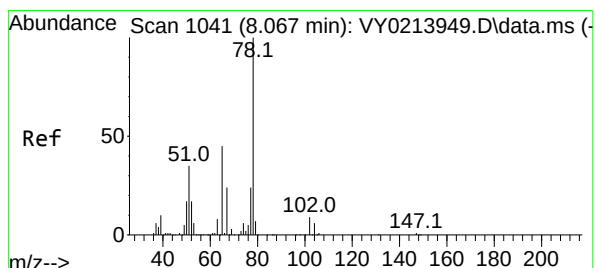
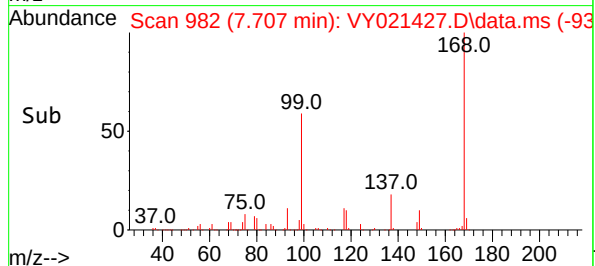
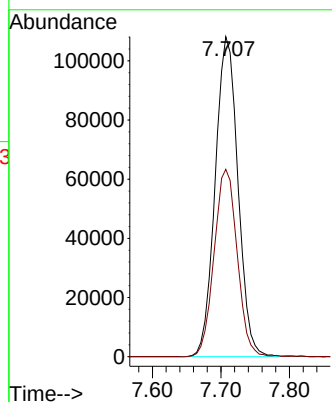
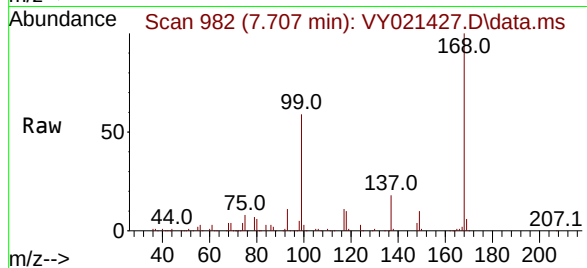




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

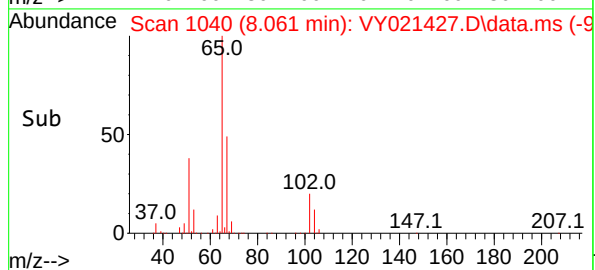
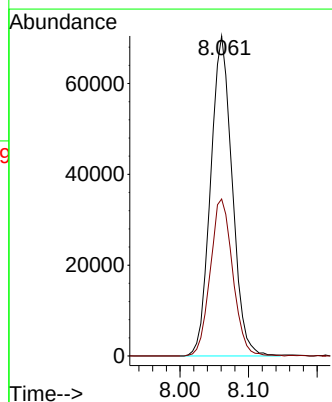
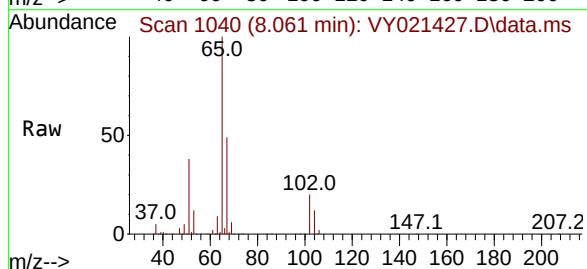
Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

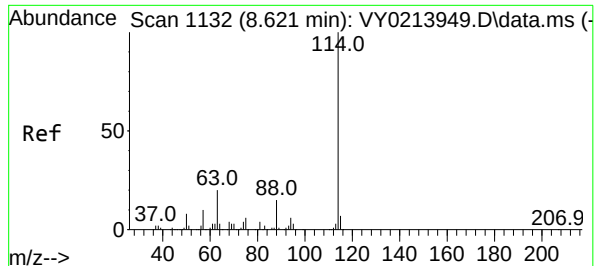
Tgt Ion:168 Resp: 249443
Ion Ratio Lower Upper
168 100
99 58.6 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 58.448 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021427.D
Acq: 06 Mar 2025 11:59

Tgt Ion: 65 Resp: 154096
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021427.D

Acq: 06 Mar 2025 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBL01

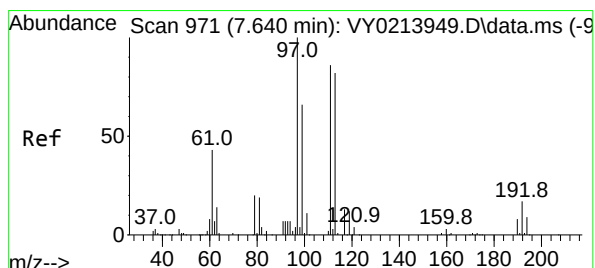
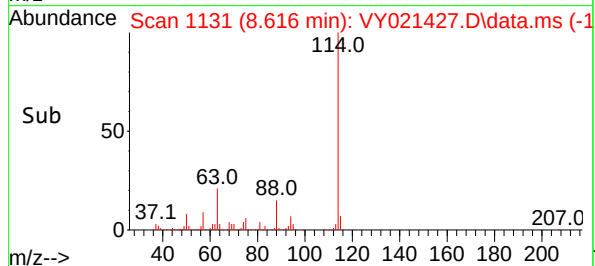
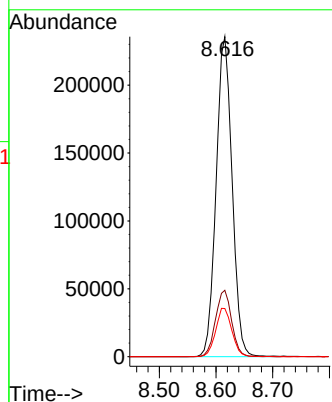
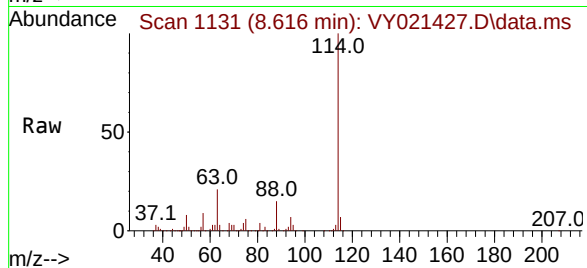
Tgt Ion:114 Resp: 460921

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 15.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.151 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021427.D

Acq: 06 Mar 2025 11:59

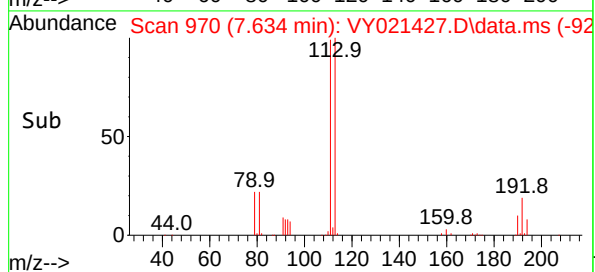
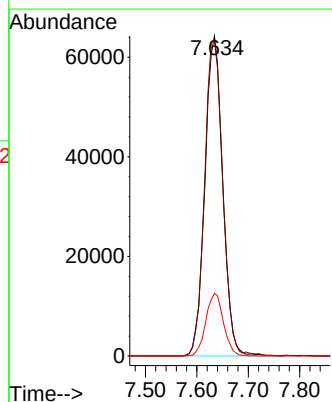
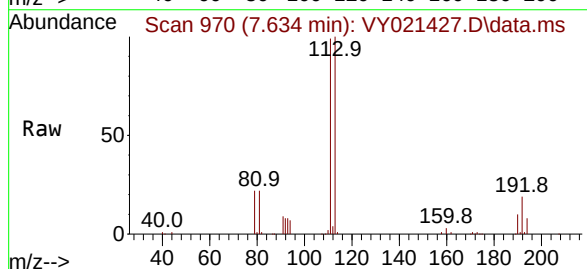
Tgt Ion:113 Resp: 154971

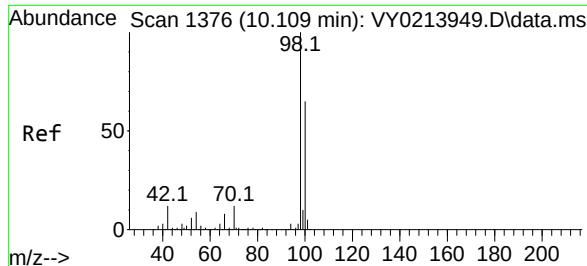
Ion Ratio Lower Upper

113 100

111 100.9 82.0 123.0

192 19.3 15.9 23.9





#50

Toluene-d8

Concen: 48.643 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021427.D

Acq: 06 Mar 2025 11:59

Instrument :

MSVOA_Y

ClientSampleId :

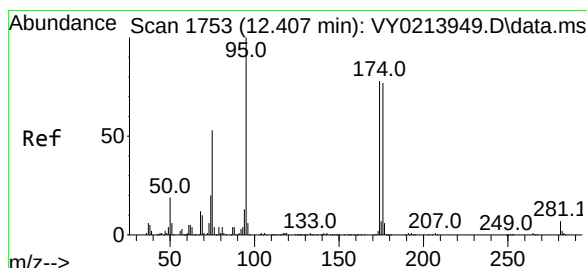
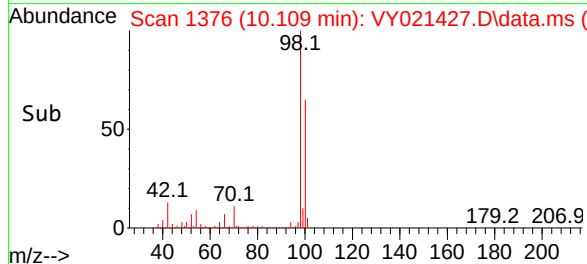
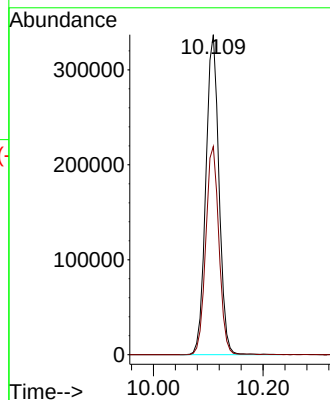
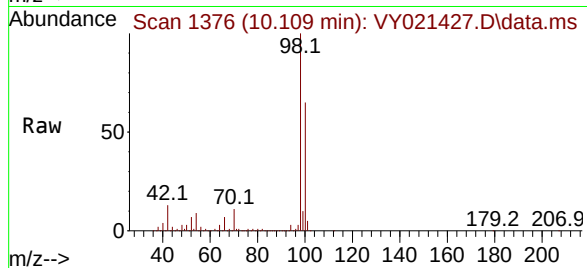
VY0306SBL01

Tgt Ion: 98 Resp: 558007

Ion Ratio Lower Upper

98 100

100 65.3 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 43.568 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021427.D

Acq: 06 Mar 2025 11:59

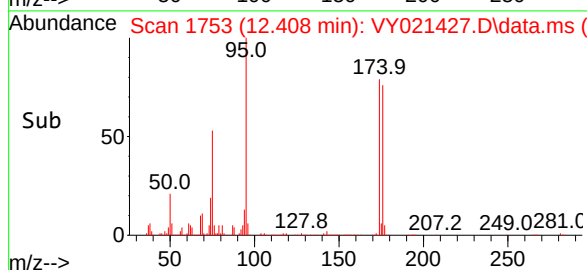
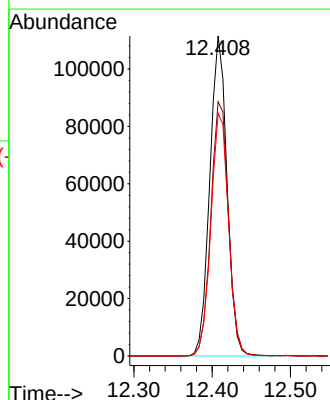
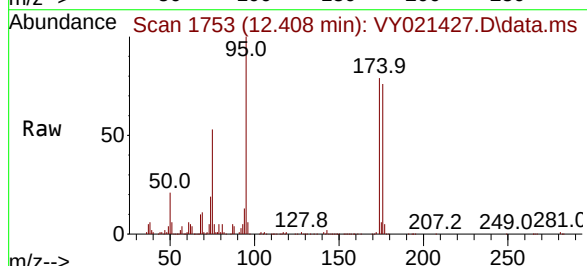
Tgt Ion: 95 Resp: 170007

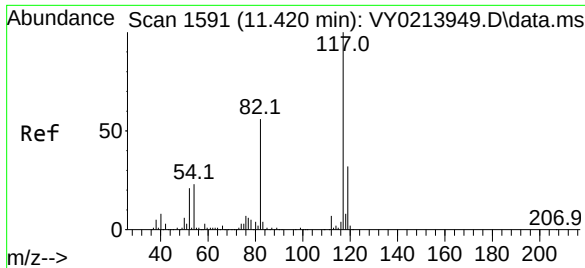
Ion Ratio Lower Upper

95 100

174 81.5 0.0 165.0

176 77.8 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021427.D

Acq: 06 Mar 2025 11:59

Instrument :

MSVOA_Y

ClientSampleId :

VY0306SBL01

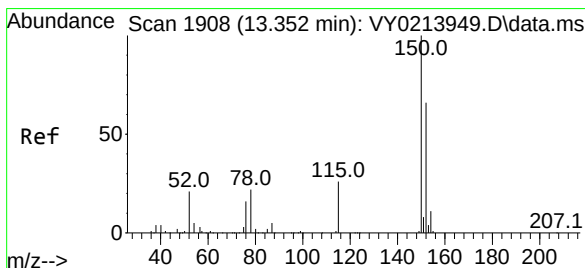
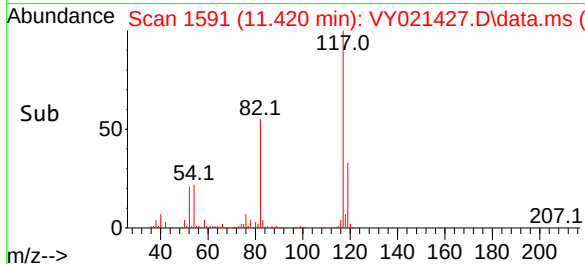
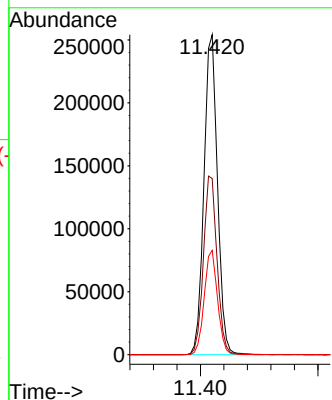
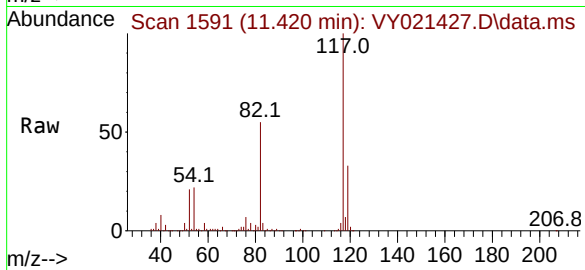
Tgt Ion:117 Resp: 405928

Ion Ratio Lower Upper

117 100

82 55.0 44.6 67.0

119 32.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021427.D

Acq: 06 Mar 2025 11:59

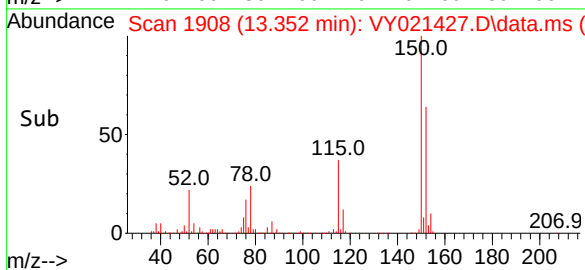
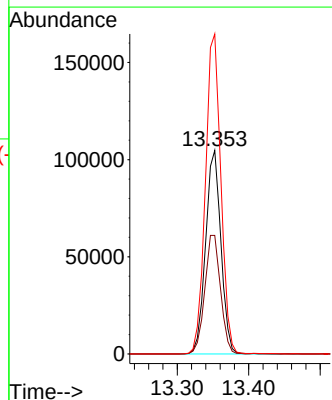
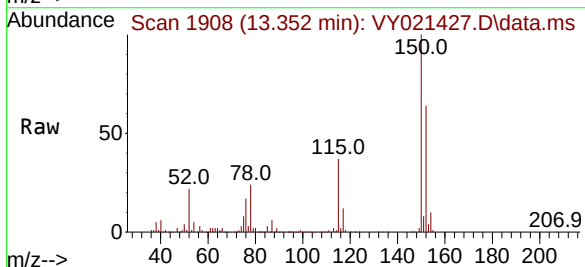
Tgt Ion:152 Resp: 156000

Ion Ratio Lower Upper

152 100

115 59.9 29.0 87.0

150 158.2 0.0 347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021427.D
 Acq On : 06 Mar 2025 11:59
 Operator : SY/MD
 Sample : VY0306SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBL01

A
B
C
D
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F
G
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I
J

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M

Title : SW846 8260

Signal : TIC: VY021427.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.495	117	127	132	rBV5	5042	16150	1.07%	0.213%
2	4.616	465	475	485	rBV4	5719	17642	1.17%	0.233%
3	7.634	960	970	976	rBV2	214988	528018	34.88%	6.966%
4	7.707	976	982	996	rVB	334308	771072	50.93%	10.172%
5	8.061	1027	1040	1051	rBV	193021	432772	28.59%	5.709%
6	8.616	1122	1131	1144	rBV	557966	1109058	73.26%	14.631%
7	10.109	1367	1376	1386	rBV	905768	1513956	100.00%	19.973%
8	11.420	1581	1591	1605	rBV	795449	1300163	85.88%	17.152%
9	12.408	1746	1753	1762	rBV	571400	896843	59.24%	11.831%
10	13.346	1900	1907	1915	rBV	642349	994480	65.69%	13.120%

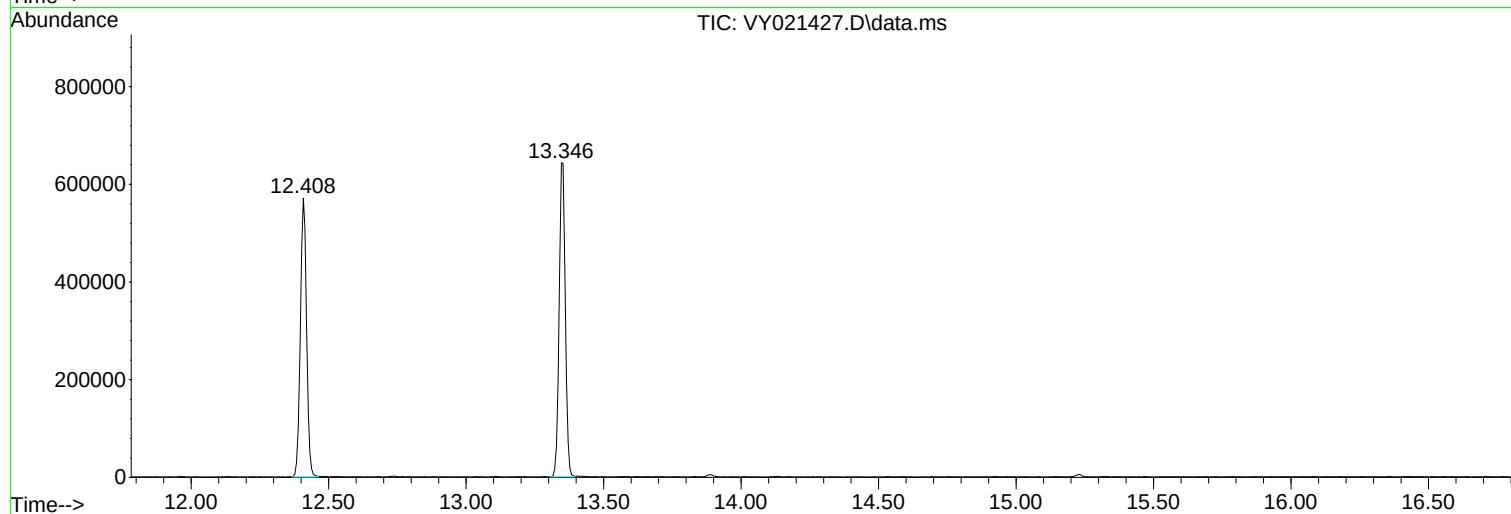
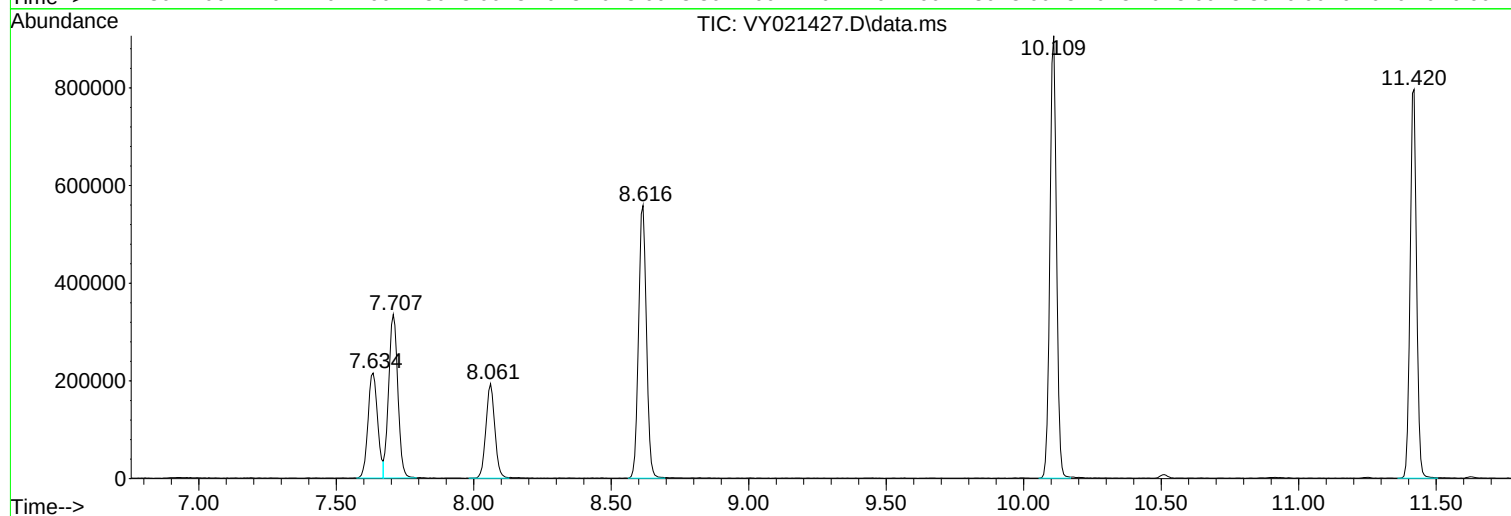
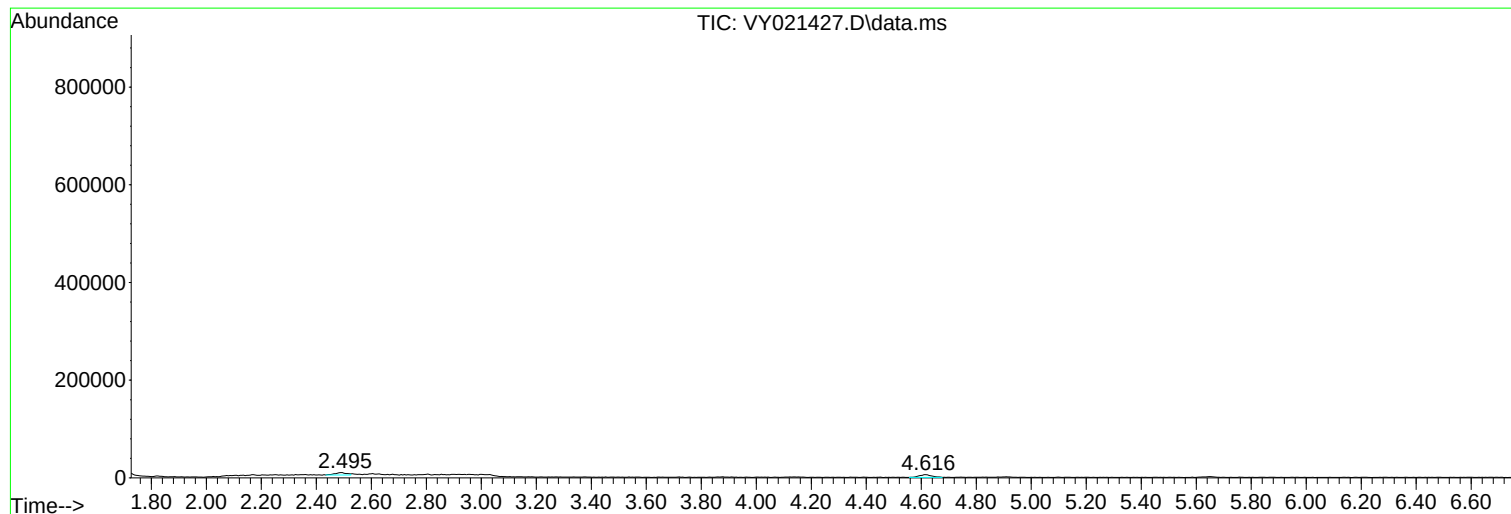
Sum of corrected areas: 7580154

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021427.D
Acq On : 06 Mar 2025 11:59
Operator : SY/MD
Sample : VY0306SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBL01

A

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

A
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Quant Time: Mar 07 21:59:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	247432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	455944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	386511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	140975	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144872	55.396	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.800%
35) Dibromofluoromethane	7.634	113	150461	50.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.400%
50) Toluene-d8	10.109	98	550853	48.544	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.080%
62) 4-Bromofluorobenzene	12.408	95	154713	40.081	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.160%

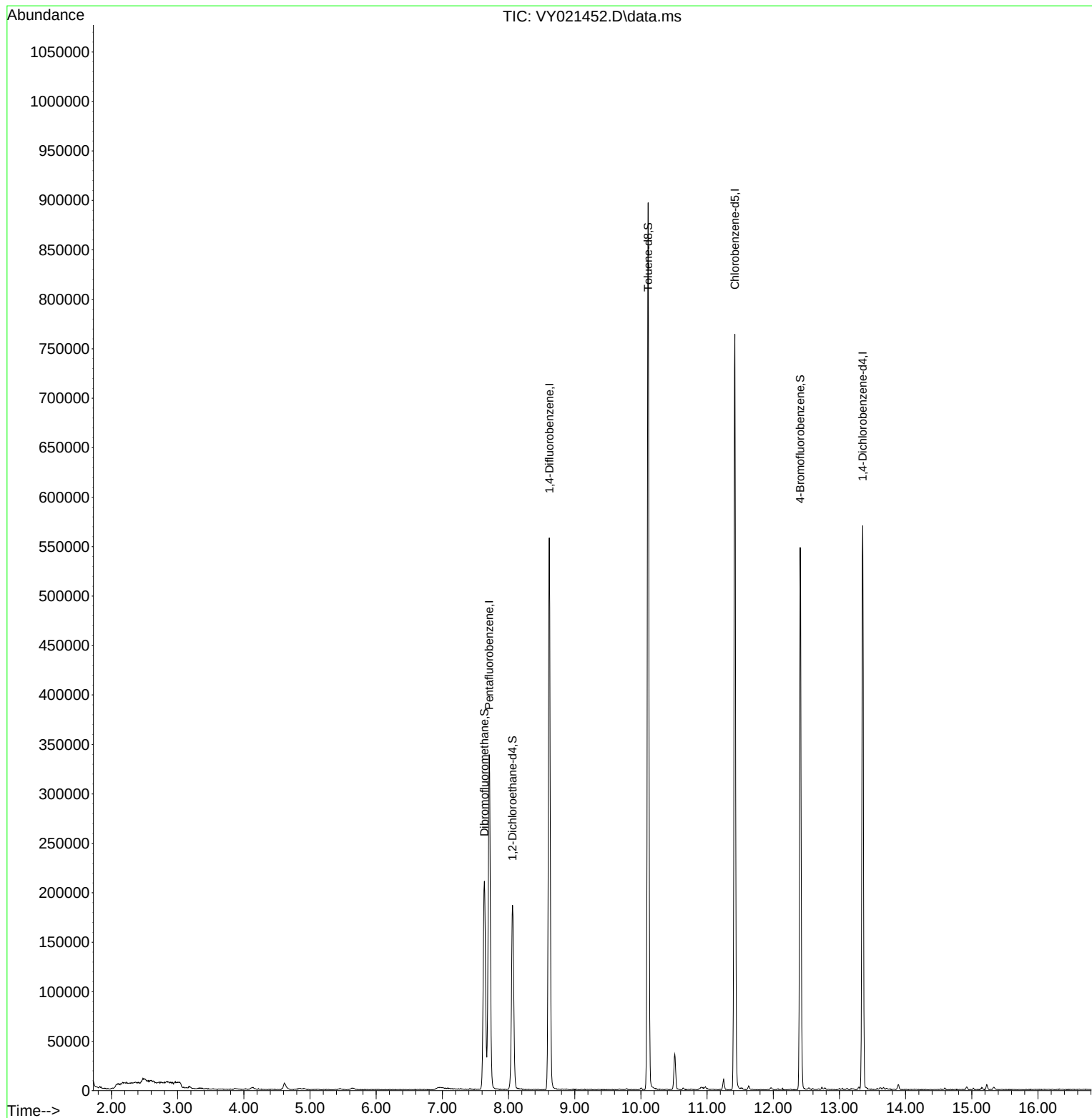
Target Compounds	Qvalue

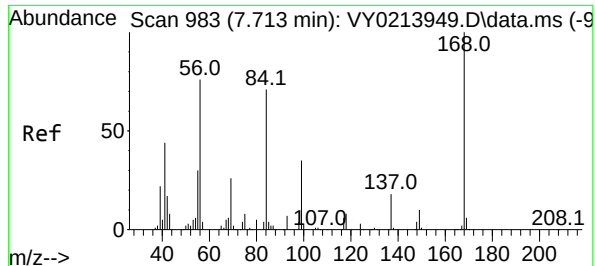
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Quant Time: Mar 07 21:59:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

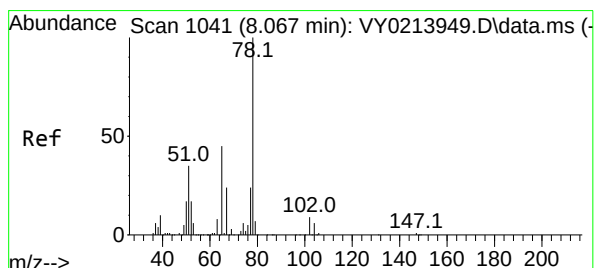
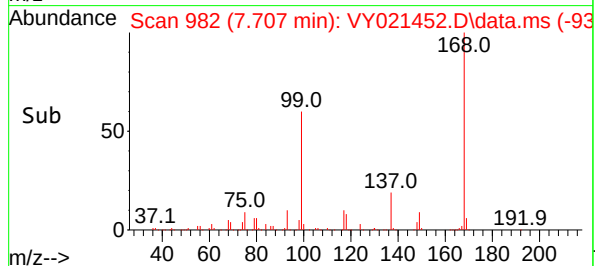
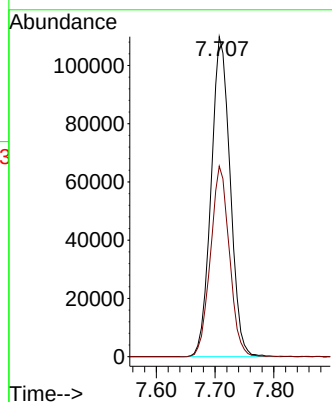
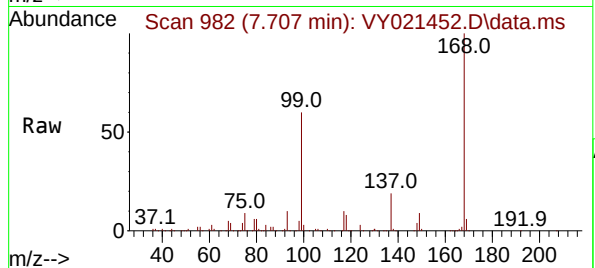




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

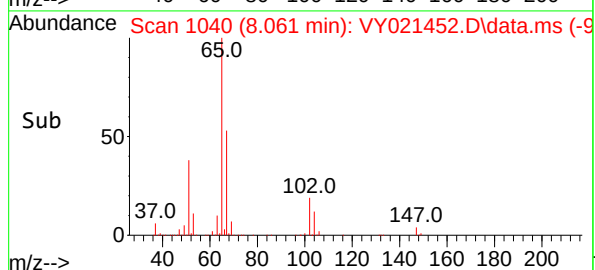
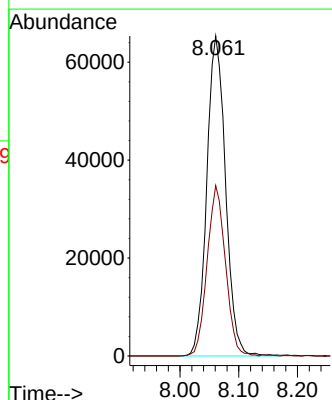
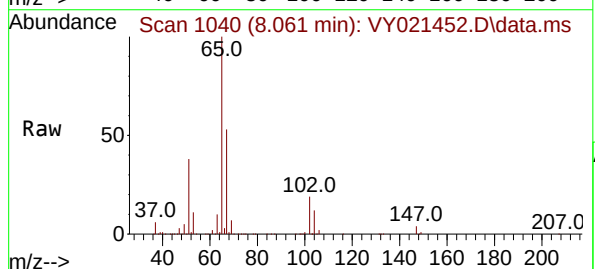
Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

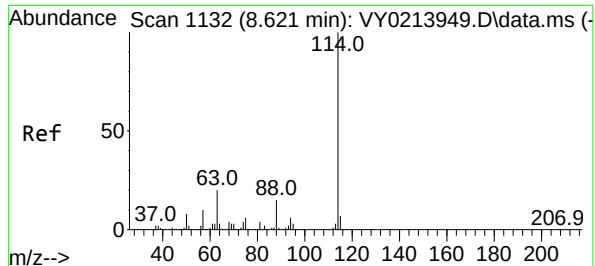
Tgt Ion:168 Resp: 247432
Ion Ratio Lower Upper
168 100
99 59.5 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 55.396 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021452.D
Acq: 07 Mar 2025 10:35

Tgt Ion: 65 Resp: 144872
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021452.D

Acq: 07 Mar 2025 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0307SBL01

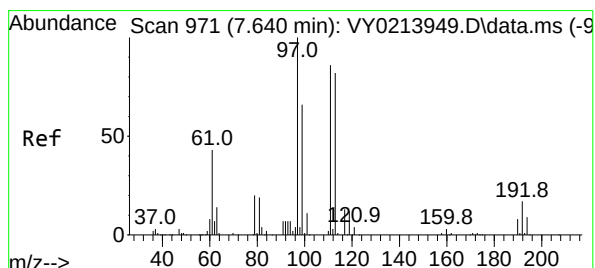
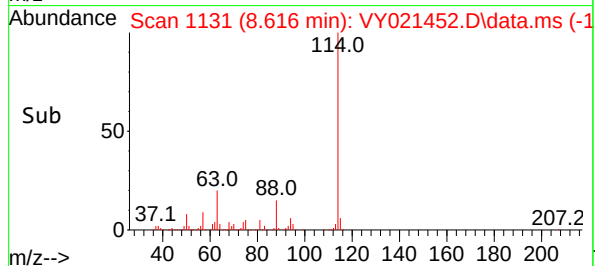
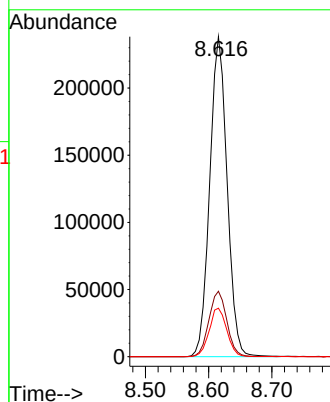
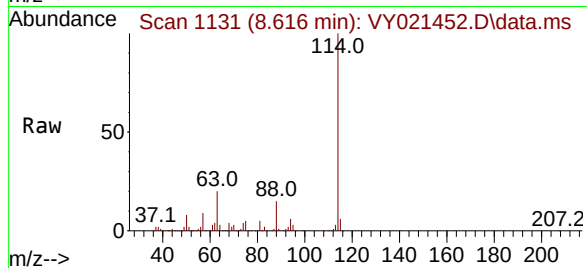
Tgt Ion:114 Resp: 455944

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 50.204 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021452.D

Acq: 07 Mar 2025 10:35

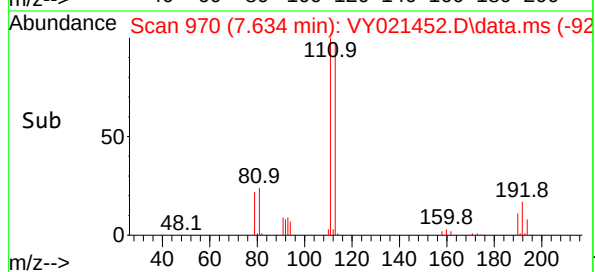
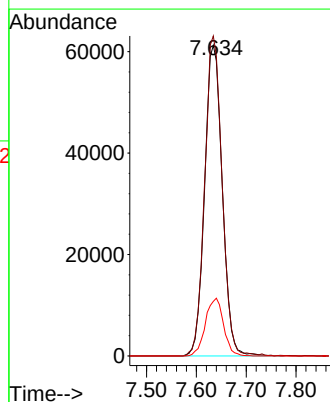
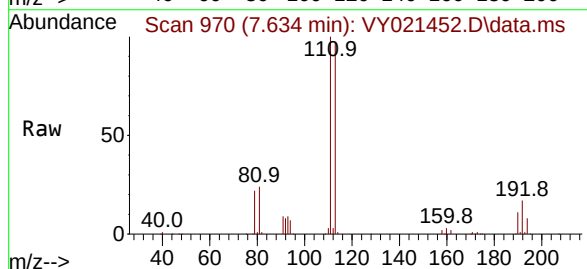
Tgt Ion:113 Resp: 150461

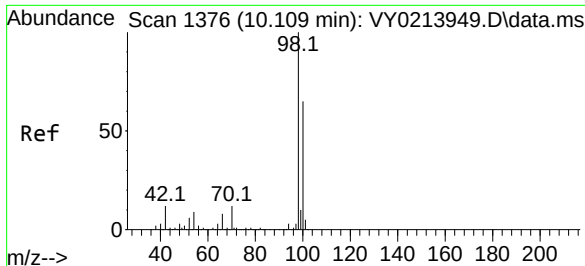
Ion Ratio Lower Upper

113 100

111 101.6 82.0 123.0

192 19.1 15.9 23.9





#50

Toluene-d8

Concen: 48.544 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021452.D

Acq: 07 Mar 2025 10:35

Instrument :

MSVOA_Y

ClientSampleId :

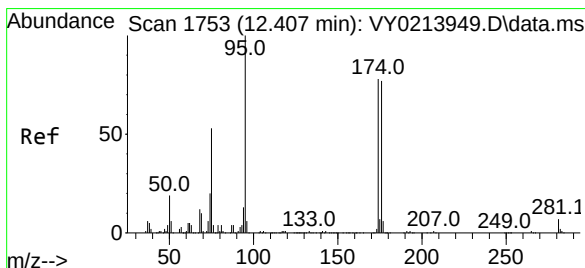
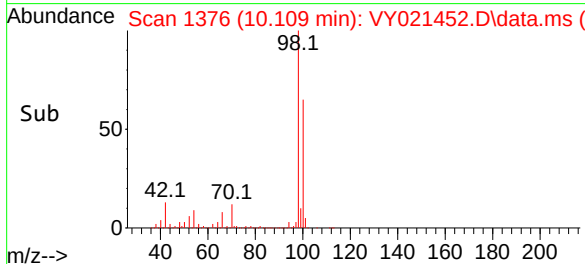
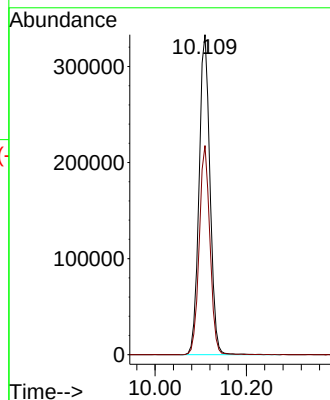
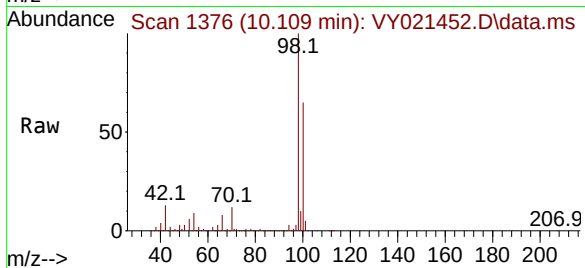
VY0307SBL01

Tgt Ion: 98 Resp: 550853

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 40.081 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021452.D

Acq: 07 Mar 2025 10:35

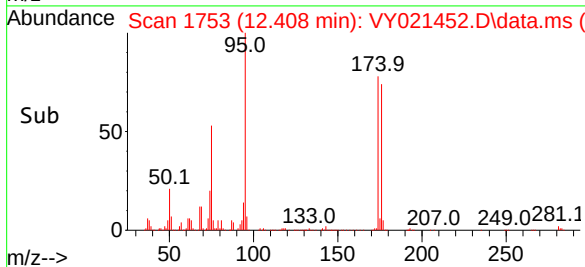
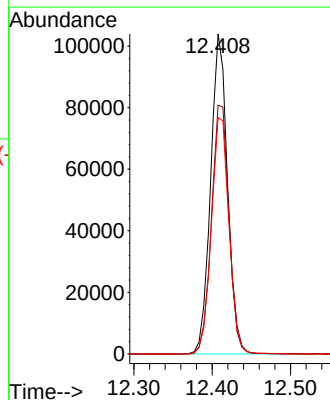
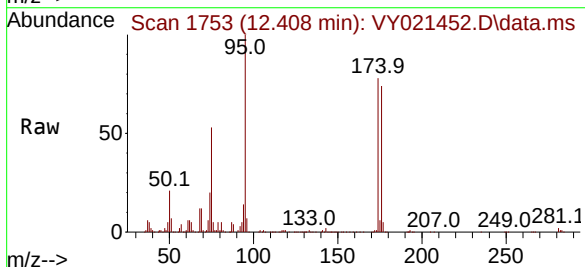
Tgt Ion: 95 Resp: 154713

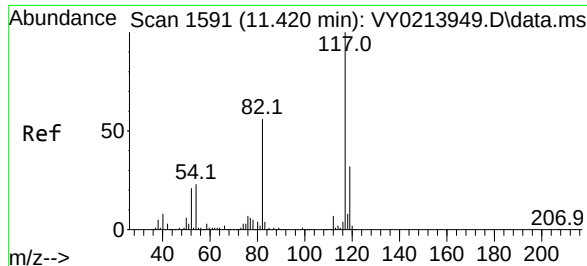
Ion Ratio Lower Upper

95 100

174 82.0 0.0 165.0

176 77.4 0.0 160.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021452.D

Acq: 07 Mar 2025 10:35

Instrument :

MSVOA_Y

ClientSampleId :

VY0307SBL01

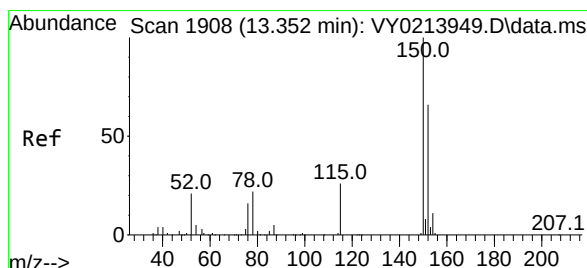
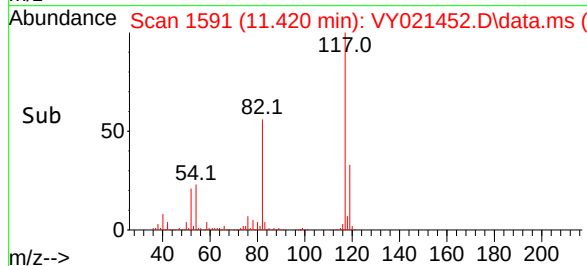
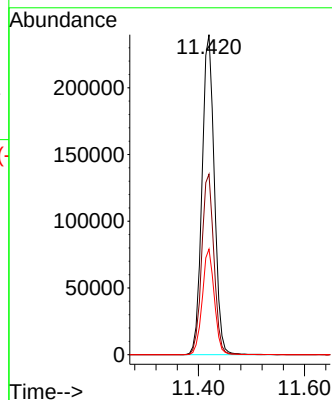
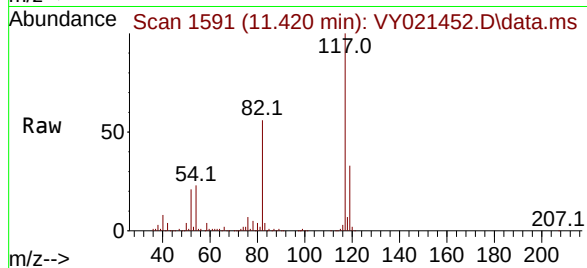
Tgt Ion:117 Resp: 386511

Ion Ratio Lower Upper

117 100

82 56.4 44.6 67.0

119 33.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021452.D

Acq: 07 Mar 2025 10:35

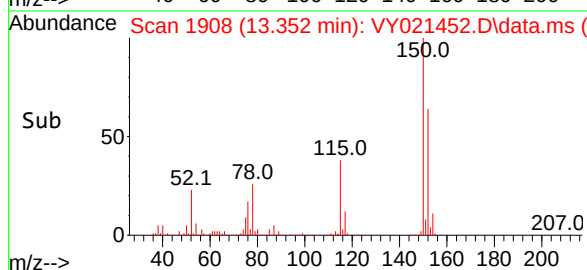
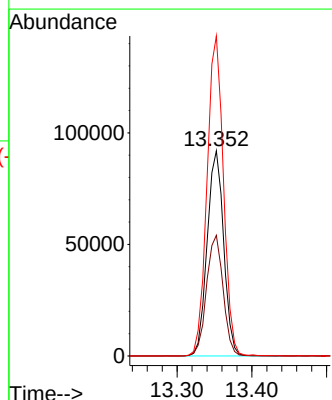
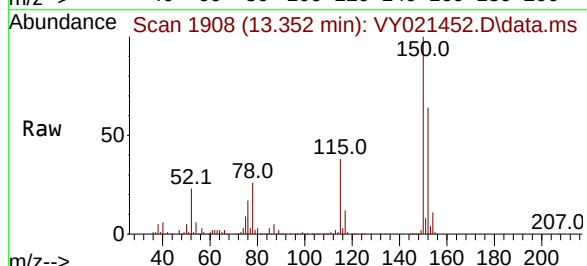
Tgt Ion:152 Resp: 140975

Ion Ratio Lower Upper

152 100

115 59.2 29.0 87.0

150 155.2 0.0 347.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021452.D
 Acq On : 07 Mar 2025 10:35
 Operator : SY/MD
 Sample : VY0307SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0307SBL01

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Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M

Title : SW846 8260

Signal : TIC: VY021452.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	465	474	489	rBV5	6713	21614	1.45%	0.292%
2	7.634	959	970	976	rBV2	210541	513351	34.43%	6.943%
3	7.707	976	982	999	rVB	338300	768555	51.55%	10.395%
4	8.061	1029	1040	1052	rBV	185995	434924	29.17%	5.883%
5	8.616	1122	1131	1147	rBV	557975	1093393	73.33%	14.789%
6	10.109	1368	1376	1394	rBV	896710	1490983	100.00%	20.166%
7	10.512	1435	1442	1448	rBV2	35644	66019	4.43%	0.893%
8	11.249	1558	1563	1568	rBV3	10282	15899	1.07%	0.215%
9	11.420	1583	1591	1604	rBV	763696	1240793	83.22%	16.782%
10	12.408	1746	1753	1763	rBV	548094	859551	57.65%	11.626%
11	13.352	1901	1908	1915	rBV	569422	888398	59.58%	12.016%

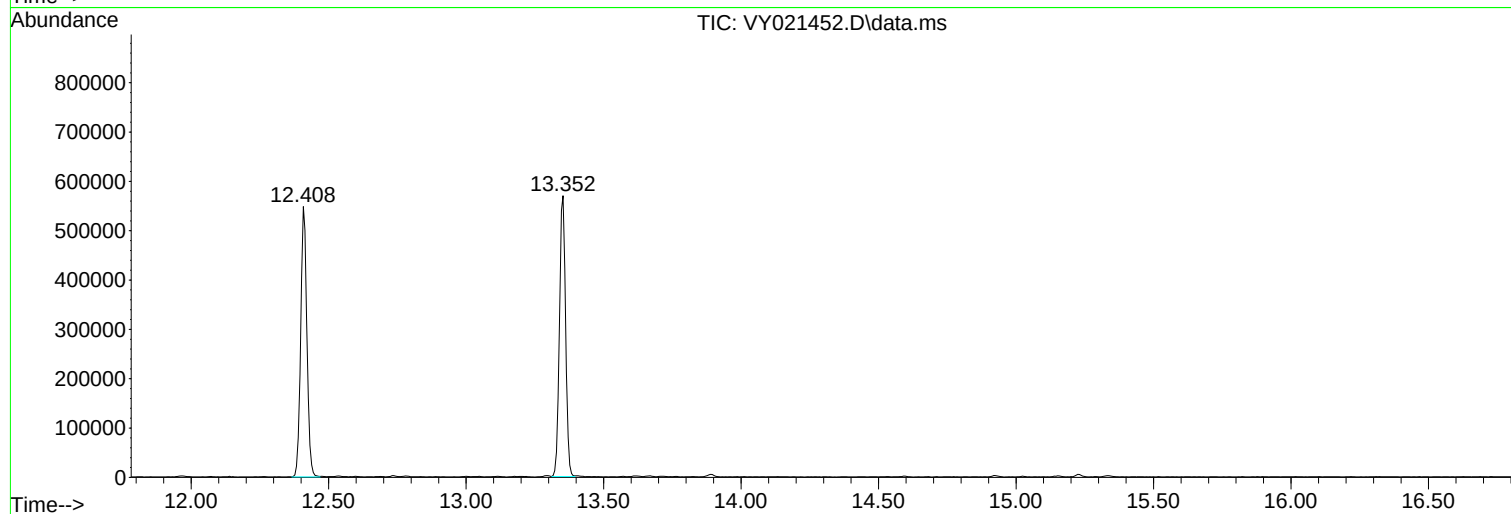
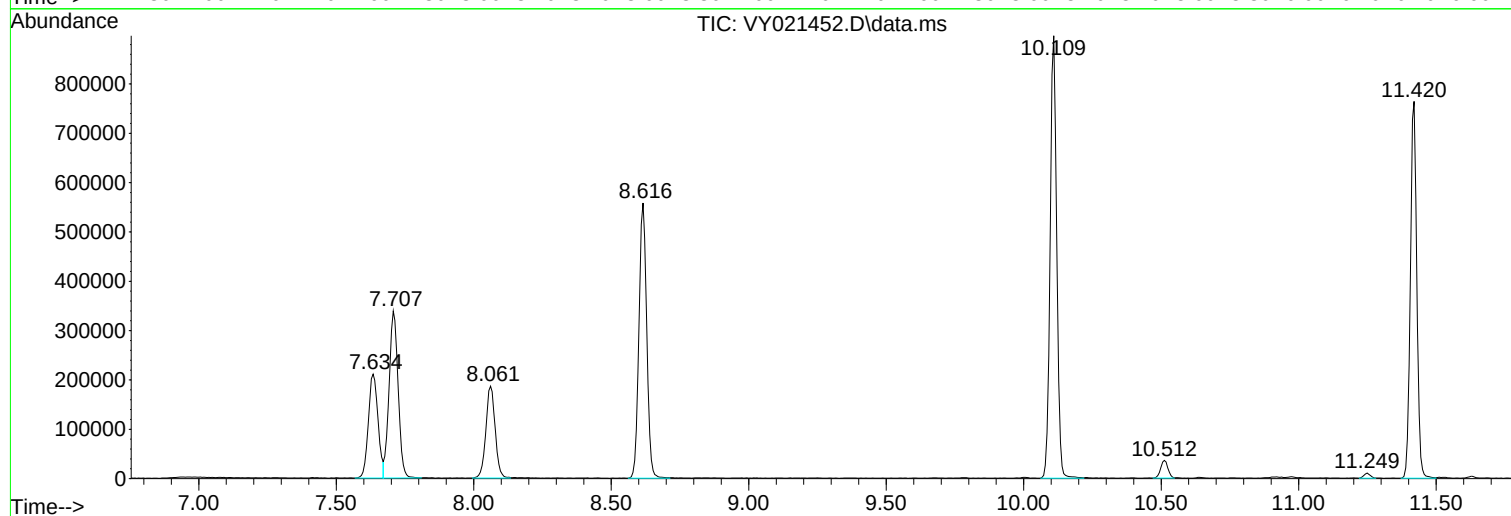
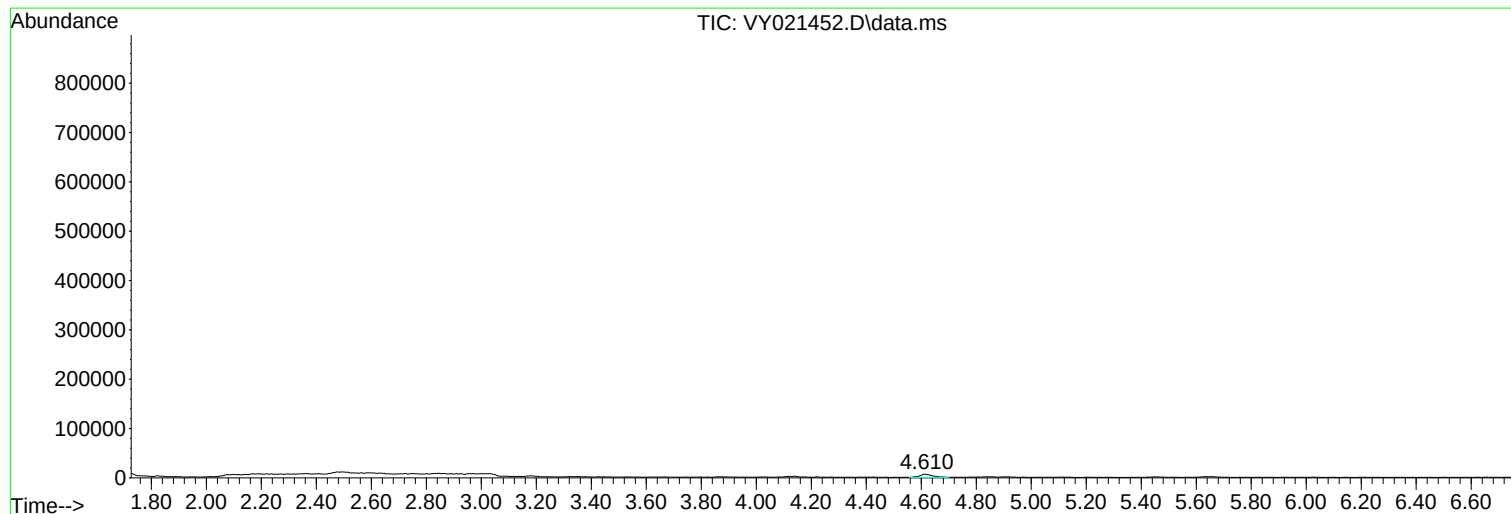
Sum of corrected areas: 7393480

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021452.D
Acq On : 07 Mar 2025 10:35
Operator : SY/MD
Sample : VY0307SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBL01

A

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045130.D
 Acq On : 05 Mar 2025 10:26
 Operator : JC/MD
 Sample : VX0305WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBS01

Manual Integrations APPROVED

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

Quant Time: Mar 06 01:00:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	98769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	177910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	153160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	68669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75979	48.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.720%		
35) Dibromofluoromethane	5.379	113	58696	49.339	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.680%		
50) Toluene-d8	8.647	98	215565	49.982	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.960%		
62) 4-Bromofluorobenzene	11.079	95	70764	49.515	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.020%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21481	17.278	ug/l	96
3) Chloromethane	1.307	50	26225	17.236	ug/l	99
4) Vinyl Chloride	1.374	62	25102	16.631	ug/l	94
5) Bromomethane	1.593	94	10069	16.970	ug/l	99
6) Chloroethane	1.660	64	10788	15.496	ug/l	100
7) Trichlorofluoromethane	1.867	101	36124	18.079	ug/l	97
8) Diethyl Ether	2.136	74	12688	16.235	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.312	101	21877	19.058	ug/l	98
10) Methyl Iodide	2.441	142	25051	17.462	ug/l	99
11) Tert butyl alcohol	2.995	59	20837	70.020	ug/l	97
12) 1,1-Dichloroethene	2.306	96	21299	17.549	ug/l	98
13) Acrolein	2.239	56	32376	94.116	ug/l	99
14) Allyl chloride	2.654	41	38481	17.812	ug/l	97
15) Acrylonitrile	3.068	53	69973	87.734	ug/l	100
16) Acetone	2.386	43	60954	83.622	ug/l	97
17) Carbon Disulfide	2.495	76	51693	15.991	ug/l	98
18) Methyl Acetate	2.709	43	32206	18.366	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	69964	17.182	ug/l	97
20) Methylene Chloride	2.782	84	24882	17.232	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	21772	18.158	ug/l	93
22) Diisopropyl ether	3.763	45	78201	17.799	ug/l	95
23) Vinyl Acetate	3.721	43	321815	87.770	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43208	17.547	ug/l	98
25) 2-Butanone	4.562	43	97011	88.416	ug/l	95
26) 2,2-Dichloropropane	4.471	77	29281	25.352	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	26173	17.683	ug/l	97
28) Bromochloromethane	4.891	49	24801	21.131	ug/l	98
29) Tetrahydrofuran	5.007	42	63896	86.717	ug/l	100
30) Chloroform	5.086	83	43030	17.587	ug/l	99
31) Cyclohexane	5.458	56	39502	18.481	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	35212	17.819	ug/l	99
36) 1,1-Dichloropropene	5.684	75	28601	17.531	ug/l	98
37) Ethyl Acetate	4.721	43	35651	16.958	ug/l	99
38) Carbon Tetrachloride	5.672	117	29823	18.005	ug/l	94
39) Methylcyclohexane	7.379	83	37321	19.091	ug/l	97
40) Benzene	6.031	78	93693	18.186	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045130.D
 Acq On : 05 Mar 2025 10:26
 Operator : JC/MD
 Sample : VX0305WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBS01

Manual Integrations APPROVED

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

Quant Time: Mar 06 01:00:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	19884	17.492	ug/l	99
42) 1,2-Dichloroethane	6.080	62	33034	17.806	ug/l	100
43) Isopropyl Acetate	6.342	43	53751	17.291	ug/l	99
44) Trichloroethene	7.123	130	21228	17.548	ug/l	98
45) 1,2-Dichloropropane	7.427	63	23229	17.537	ug/l	100
46) Dibromomethane	7.580	93	16830	17.976	ug/l	100
47) Bromodichloromethane	7.818	83	32751	17.834	ug/l	100
48) Methyl methacrylate	7.696	41	27005	17.316	ug/l	100
49) 1,4-Dioxane	7.671	88	11794	358.508	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	186745	89.468	ug/l	99
52) Toluene	8.714	92	55728	18.437	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	27299	17.782	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	32740	18.288	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	22188	17.831	ug/l	99
56) Ethyl methacrylate	9.116	69	31725	16.772	ug/l	97
57) 1,3-Dichloropropane	9.305	76	38444	17.852	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	91212	98.854	ug/l	99
59) 2-Hexanone	9.433	43	134690	89.062	ug/l	100
60) Dibromochloromethane	9.519	129	22271	17.117	ug/l	98
61) 1,2-Dibromoethane	9.610	107	22232	17.897	ug/l	98
64) Tetrachloroethene	9.269	164	18169	18.522	ug/l	94
65) Chlorobenzene	10.079	112	60057	18.531	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	18881	17.494	ug/l	98
67) Ethyl Benzene	10.195	91	104623	18.527	ug/l	98
68) m/p-Xylenes	10.299	106	79227	38.326	ug/l	98
69) o-Xylene	10.640	106	38603	18.515	ug/l	98
70) Styrene	10.652	104	62119	18.414	ug/l	100
71) Bromoform	10.799	173	14223	17.476	ug/l #	99
73) Isopropylbenzene	10.963	105	99357	18.537	ug/l	99
74) N-amyl acetate	10.841	43	43022	17.106	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	34410	17.495	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	31073m	19.442	ug/l	
77) Bromobenzene	11.201	156	22526	17.813	ug/l	98
78) n-propylbenzene	11.305	91	111961	18.492	ug/l	99
79) 2-Chlorotoluene	11.366	91	67983	17.631	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	81071	18.707	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7585	16.241	ug/l	87
82) 4-Chlorotoluene	11.451	91	75650	18.001	ug/l	99
83) tert-Butylbenzene	11.713	119	80170	18.004	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	80507	18.462	ug/l	98
85) sec-Butylbenzene	11.890	105	100051	18.757	ug/l	100
86) p-Isopropyltoluene	12.006	119	81717	18.957	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41421	18.360	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	41624	18.237	ug/l	98
89) n-Butylbenzene	12.329	91	68722	18.510	ug/l	99
90) Hexachloroethane	12.536	117	13358	17.133	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	41178	18.196	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6446	16.822	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	23221	18.020	ug/l	100
94) Hexachlorobutadiene	13.725	225	9699	18.359	ug/l	98
95) Naphthalene	13.774	128	89255	18.028	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	25405	18.688	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045130.D
Acq On : 05 Mar 2025 10:26
Operator : JC/MD
Sample : VX0305WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 01:00:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations
APPROVED

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBS01

Manual Integrations

[illegible]

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045158.D
 Acq On : 06 Mar 2025 11:10
 Operator : JC/MD
 Sample : VX0306WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 03/10/2025
 Supervised By : Mahesh Dadoda 03/10/2025

Quant Time: Mar 07 00:37:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	97102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	175752	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	147757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77517	50.187	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.380%			
35) Dibromofluoromethane	5.385	113	59755	50.846	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.700%			
50) Toluene-d8	8.647	98	214149	50.263	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.520%			
62) 4-Bromofluorobenzene	11.079	95	69431	49.179	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	25313	20.710	ug/l	96
3) Chloromethane	1.307	50	28610	19.127	ug/l	99
4) Vinyl Chloride	1.374	62	28735	19.365	ug/l	96
5) Bromomethane	1.593	94	11051	18.945	ug/l	98
6) Chloroethane	1.660	64	11910	17.401	ug/l	94
7) Trichlorofluoromethane	1.861	101	41329	21.039	ug/l	98
8) Diethyl Ether	2.136	74	15031	19.563	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.312	101	25913	22.961	ug/l	99
10) Methyl Iodide	2.440	142	28535	20.232	ug/l	97
11) Tert butyl alcohol	2.995	59	24878	85.035	ug/l	99
12) 1,1-Dichloroethene	2.306	96	25437	21.319	ug/l	96
13) Acrolein	2.239	56	32240	95.330	ug/l	97
14) Allyl chloride	2.654	41	45464	21.406	ug/l	99
15) Acrylonitrile	3.068	53	80620	102.818	ug/l	100
16) Acetone	2.392	43	70356	98.177	ug/l	100
17) Carbon Disulfide	2.495	76	56434	17.758	ug/l	100
18) Methyl Acetate	2.709	43	38789	22.500	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	83027	20.741	ug/l	98
20) Methylene Chloride	2.782	84	28513	20.086	ug/l	93
21) trans-1,2-Dichloroethene	3.081	96	25882	21.957	ug/l	92
22) Diisopropyl ether	3.763	45	92263	21.360	ug/l	92
23) Vinyl Acetate	3.721	43	379422	105.258	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50777	20.975	ug/l	99
25) 2-Butanone	4.568	43	112114	103.935	ug/l	100
26) 2,2-Dichloropropane	4.464	77	31636	27.861	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	30793	21.161	ug/l	95
28) Bromochloromethane	4.897	49	20937	18.145	ug/l	98
29) Tetrahydrofuran	5.007	42	72574	100.185	ug/l	99
30) Chloroform	5.092	83	50960	21.186	ug/l	100
31) Cyclohexane	5.458	56	46499	22.128	ug/l	91
32) 1,1,1-Trichloroethane	5.379	97	40911	21.059	ug/l	98
36) 1,1-Dichloropropene	5.684	75	34442	21.370	ug/l	99
37) Ethyl Acetate	4.714	43	41415	19.942	ug/l	100
38) Carbon Tetrachloride	5.672	117	33530	20.492	ug/l	98
39) Methylcyclohexane	7.372	83	44224	22.900	ug/l	97
40) Benzene	6.031	78	109500	21.516	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045158.D
 Acq On : 06 Mar 2025 11:10
 Operator : JC/MD
 Sample : VX0306WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0306WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
 Supervised By :Mahesh Dadoda 03/10/2025

Quant Time: Mar 07 00:37:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	23322	20.769	ug/l	99
42) 1,2-Dichloroethane	6.086	62	39213	21.397	ug/l	100
43) Isopropyl Acetate	6.342	43	62094	20.220	ug/l	100
44) Trichloroethene	7.123	130	24906	20.842	ug/l	97
45) 1,2-Dichloropropane	7.427	63	27481	21.002	ug/l	99
46) Dibromomethane	7.580	93	19832	21.443	ug/l	98
47) Bromodichloromethane	7.818	83	37772	20.821	ug/l	97
48) Methyl methacrylate	7.696	41	31277	20.301	ug/l	98
49) 1,4-Dioxane	7.665	88	13860	426.482	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	215309	104.420	ug/l	99
52) Toluene	8.714	92	65138	21.814	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	30950	20.407	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	37460	21.182	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	24854	20.219	ug/l	97
56) Ethyl methacrylate	9.116	69	37529	20.084	ug/l	97
57) 1,3-Dichloropropane	9.305	76	43951	20.660	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	89701	98.410	ug/l	99
59) 2-Hexanone	9.433	43	158142	105.853	ug/l	99
60) Dibromochloromethane	9.518	129	25020	19.466	ug/l	99
61) 1,2-Dibromoethane	9.610	107	24964	20.343	ug/l	100
64) Tetrachloroethene	9.268	164	21040	22.233	ug/l	91
65) Chlorobenzene	10.079	112	67652	21.638	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	21012	20.181	ug/l	97
67) Ethyl Benzene	10.189	91	118147	21.687	ug/l	99
68) m/p-Xylenes	10.299	106	87720	43.986	ug/l	99
69) o-Xylene	10.640	106	43323	21.539	ug/l	99
70) Styrene	10.652	104	70623	21.700	ug/l	99
71) Bromoform	10.799	173	15238	19.408	ug/l #	100
73) Isopropylbenzene	10.963	105	111617	21.304	ug/l	100
74) N-amyl acetate	10.841	43	50220	20.428	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	39941	20.775	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31293m	20.030	ug/l	
77) Bromobenzene	11.195	156	25608	20.716	ug/l	100
78) n-propylbenzene	11.305	91	126790	21.423	ug/l	100
79) 2-Chlorotoluene	11.360	91	77393	20.533	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	91126	21.511	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7740	16.954	ug/l #	82
82) 4-Chlorotoluene	11.451	91	87322	21.257	ug/l	99
83) tert-Butylbenzene	11.713	119	91061	20.921	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	91832	21.544	ug/l	100
85) sec-Butylbenzene	11.890	105	112914	21.656	ug/l	100
86) p-Isopropyltoluene	12.006	119	90968	21.589	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	45783	20.761	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	46189	20.703	ug/l	97
89) n-Butylbenzene	12.329	91	79568	21.925	ug/l	99
90) Hexachloroethane	12.536	117	14633	19.200	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	46647	21.087	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7641	20.400	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	26728	21.219	ug/l	99
94) Hexachlorobutadiene	13.725	225	11477	22.224	ug/l	96
95) Naphthalene	13.774	128	102859	21.254	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	28765	21.647	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
Data File : VX045158.D
Acq On : 06 Mar 2025 11:10
Operator : JC/MD
Sample : VX0306WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 00:37:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025

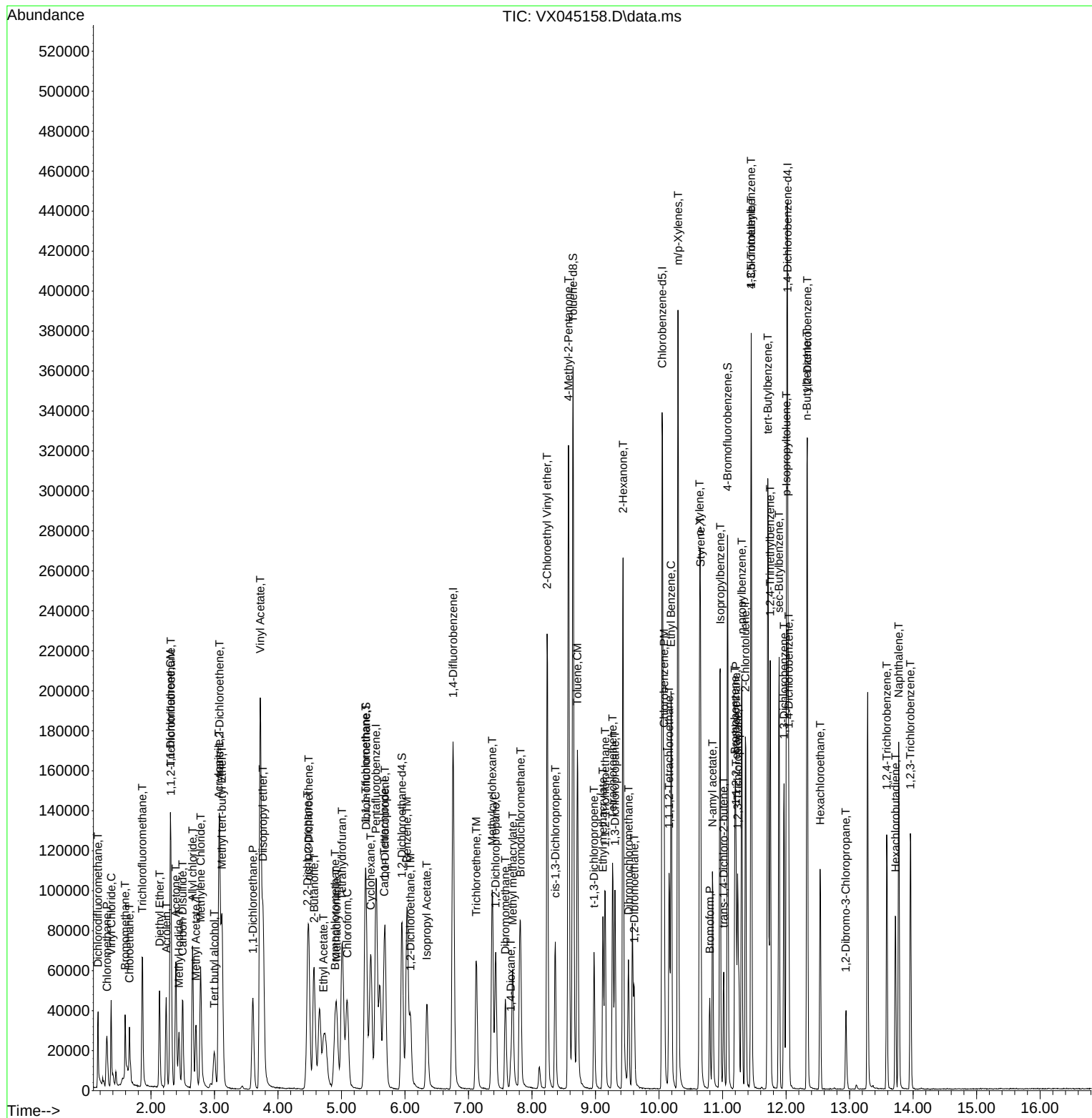
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Instrument :
MSVOA_X
ClientSampleId :
VX0306WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 03/10/2025
Supervised By :Mahesh Dadoda 03/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021428.D
 Acq On : 06 Mar 2025 12:33
 Operator : SY/MD
 Sample : VY0306SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
 Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	200172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	318431	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	292608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	112611	53.226	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.634	113	104961	50.146	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.300%			
50) Toluene-d8	10.109	98	392444	49.519	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.040%			
62) 4-Bromofluorobenzene	12.408	95	136984	50.814	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	33007	17.969	ug/l	94
3) Chloromethane	2.068	50	52532	20.284	ug/l	98
4) Vinyl Chloride	2.202	62	56741	20.049	ug/l	96
5) Bromomethane	2.592	94	44636	21.822	ug/l	98
6) Chloroethane	2.733	64	39312	21.019	ug/l	98
7) Trichlorofluoromethane	3.056	101	79025	20.005	ug/l	96
8) Diethyl Ether	3.452	74	22647	20.687	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.818	101	44869	19.895	ug/l	96
10) Methyl Iodide	4.007	142	41886	18.270	ug/l	99
11) Tert butyl alcohol	4.866	59	15090	95.800	ug/l	100
12) 1,1-Dichloroethene	3.781	96	39325	19.125	ug/l	93
13) Acrolein	3.647	56	17379	161.496	ug/l	92
14) Allyl chloride	4.385	41	63708	19.172	ug/l	100
15) Acrylonitrile	5.061	53	47217	101.322	ug/l	99
16) Acetone	3.879	43	36769	79.681	ug/l	90
17) Carbon Disulfide	4.104	76	120251	18.661	ug/l	99
18) Methyl Acetate	4.385	43	21063	20.572	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	104134	19.981	ug/l	95
20) Methylene Chloride	4.616	84	46665	19.265	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	44042	19.126	ug/l	94
22) Diisopropyl ether	6.019	45	146814	20.501	ug/l	99
23) Vinyl Acetate	5.964	43	414075	101.317	ug/l	99
24) 1,1-Dichloroethane	5.915	63	85556	20.243	ug/l	99
25) 2-Butanone	6.896	43	59669	93.477	ug/l	100
26) 2,2-Dichloropropane	6.884	77	69379	17.840	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	51434	19.661	ug/l	98
28) Bromochloromethane	7.244	49	36673	20.697	ug/l	98
29) Tetrahydrofuran	7.268	42	40269	102.187	ug/l	99
30) Chloroform	7.421	83	88331	20.126	ug/l	100
31) Cyclohexane	7.701	56	73140	18.459	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	77342	19.246	ug/l	99
36) 1,1-Dichloropropene	7.835	75	61060	18.637	ug/l	99
37) Ethyl Acetate	6.982	43	28431	19.633	ug/l	99
38) Carbon Tetrachloride	7.817	117	69637	18.481	ug/l	96
39) Methylcyclohexane	9.109	83	71256	17.731	ug/l	95
40) Benzene	8.079	78	186841	19.359	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021428.D
 Acq On : 06 Mar 2025 12:33
 Operator : SY/MD
 Sample : VY0306SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
 Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16604m	21.058	ug/l	
42) 1,2-Dichloroethane	8.158	62	54457	20.169	ug/l	99
43) Isopropyl Acetate	8.195	43	55820	19.857	ug/l #	88
44) Trichloroethene	8.866	130	45767	18.765	ug/l	94
45) 1,2-Dichloropropane	9.140	63	46505	20.246	ug/l	96
46) Dibromomethane	9.231	93	26168	20.474	ug/l	97
47) Bromodichloromethane	9.420	83	67190	19.796	ug/l	98
48) Methyl methacrylate	9.219	41	24974	19.347	ug/l	99
49) 1,4-Dioxane	9.225	88	5504	438.744	ug/l #	91
51) 4-Methyl-2-Pentanone	10.000	43	146138	100.753	ug/l	98
52) Toluene	10.170	92	117027	19.233	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	58703	19.631	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	68234	19.219	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	33464	20.016	ug/l	98
56) Ethyl methacrylate	10.438	69	41900	19.651	ug/l	97
57) 1,3-Dichloropropane	10.719	76	58893	20.324	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	107422	109.136	ug/l	98
59) 2-Hexanone	10.762	43	94061	98.075	ug/l	98
60) Dibromochloromethane	10.914	129	45747	19.959	ug/l	98
61) 1,2-Dibromoethane	11.018	107	31502	19.965	ug/l	100
64) Tetrachloroethene	10.646	164	43645	18.343	ug/l	99
65) Chlorobenzene	11.444	112	128656	18.619	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	45244	18.520	ug/l	99
67) Ethyl Benzene	11.518	91	216170	17.824	ug/l	99
68) m/p-Xylenes	11.633	106	168512	36.598	ug/l	100
69) o-Xylene	11.957	106	77025	18.151	ug/l	100
70) Styrene	11.969	104	130672	18.561	ug/l	99
71) Bromoform	12.133	173	25622	18.762	ug/l #	97
73) Isopropylbenzene	12.255	105	205378	17.133	ug/l	100
74) N-amyl acetate	12.072	43	47083	18.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	39820	18.824	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	28901m	18.847	ug/l	
77) Bromobenzene	12.536	156	49192	17.541	ug/l	99
78) n-propylbenzene	12.597	91	254198	17.461	ug/l	100
79) 2-Chlorotoluene	12.682	91	146854	17.642	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	173931	17.854	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	12183	18.061	ug/l	96
82) 4-Chlorotoluene	12.780	91	154146	17.882	ug/l	100
83) tert-Butylbenzene	12.999	119	149456	17.198	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	173214	17.908	ug/l	98
85) sec-Butylbenzene	13.176	105	224638	17.373	ug/l	100
86) p-Isopropyltoluene	13.292	119	186440	17.502	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	98755	17.691	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	98346	18.014	ug/l	99
89) n-Butylbenzene	13.621	91	171737	17.459	ug/l	99
90) Hexachloroethane	13.883	117	39531	17.395	ug/l	100
91) 1,2-Dichlorobenzene	13.664	146	87199	18.225	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6144	19.390	ug/l	92
93) 1,2,4-Trichlorobenzene	14.925	180	45266	17.321	ug/l	98
94) Hexachlorobutadiene	15.029	225	29954	18.285	ug/l	99
95) Naphthalene	15.145	128	71743	18.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	38134	17.350	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021428.D
Acq On : 06 Mar 2025 12:33
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

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

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021453.D
 Acq On : 07 Mar 2025 12:03
 Operator : SY/MD
 Sample : VY0307SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0307SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
 Supervised By :Semsettin Yesilyurt 03/11/2025

Quant Time: Mar 07 22:00:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	219868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	343563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	301562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152803	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	123341	53.076	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.160%	
35) Dibromofluoromethane	7.634	113	117478	52.021	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.040%	
50) Toluene-d8	10.109	98	444032	51.930	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.860%	
62) 4-Bromofluorobenzene	12.408	95	148084	50.913	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.820%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	39418	19.537	ug/l	94
3) Chloromethane	2.068	50	57411	20.182	ug/l	98
4) Vinyl Chloride	2.202	62	64302	20.685	ug/l	96
5) Bromomethane	2.592	94	46339	20.625	ug/l	96
6) Chloroethane	2.732	64	44175	21.504	ug/l	97
7) Trichlorofluoromethane	3.056	101	94934	21.880	ug/l	95
8) Diethyl Ether	3.452	74	23849	19.834	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	49349	19.921	ug/l	99
10) Methyl Iodide	4.007	142	48739	19.355	ug/l	100
11) Tert butyl alcohol	4.872	59	18258	108.044	ug/l	99
12) 1,1-Dichloroethene	3.787	96	43870	19.424	ug/l	97
13) Acrolein	3.647	56	16580	140.270	ug/l	95
14) Allyl chloride	4.385	41	70258	19.249	ug/l	99
15) Acrylonitrile	5.061	53	50908	99.456	ug/l	98
16) Acetone	3.866	43	58595	115.604	ug/l	96
17) Carbon Disulfide	4.104	76	133704	18.890	ug/l	99
18) Methyl Acetate	4.385	43	23025	20.473	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	110998	19.390	ug/l	99
20) Methylene Chloride	4.616	84	54760	20.582	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	49678	19.641	ug/l	95
22) Diisopropyl ether	6.018	45	157929	20.078	ug/l	99
23) Vinyl Acetate	5.957	43	450639	100.386	ug/l	99
24) 1,1-Dichloroethane	5.915	63	91407	19.690	ug/l	99
25) 2-Butanone	6.896	43	75161	107.199	ug/l	99
26) 2,2-Dichloropropane	6.884	77	82994	19.429	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	54488	18.963	ug/l	98
28) Bromochloromethane	7.244	49	37442	19.238	ug/l	99
29) Tetrahydrofuran	7.262	42	44158	102.018	ug/l	97
30) Chloroform	7.421	83	95944	19.903	ug/l	99
31) Cyclohexane	7.701	56	82128	18.870	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	86978	19.705	ug/l	99
36) 1,1-Dichloropropene	7.835	75	68637	19.417	ug/l	98
37) Ethyl Acetate	6.982	43	31592	20.220	ug/l	97
38) Carbon Tetrachloride	7.817	117	79070	19.449	ug/l	96
39) Methylcyclohexane	9.109	83	81593	18.818	ug/l	99
40) Benzene	8.079	78	202793	19.475	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021453.D
 Acq On : 07 Mar 2025 12:03
 Operator : SY/MD
 Sample : VY0307SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0307SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
 Supervised By :Semsettin Yesilyurt 03/11/2025

Quant Time: Mar 07 22:00:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	17773m	20.892	ug/l	
42) 1,2-Dichloroethane	8.158	62	57755	19.826	ug/l	100
43) Isopropyl Acetate	8.195	43	59917	19.755	ug/l #	87
44) Trichloroethene	8.865	130	50339	19.130	ug/l	99
45) 1,2-Dichloropropane	9.140	63	49619	20.021	ug/l	97
46) Dibromomethane	9.231	93	27131	19.675	ug/l	99
47) Bromodichloromethane	9.426	83	71823	19.613	ug/l	99
48) Methyl methacrylate	9.219	41	27630	19.839	ug/l	98
49) 1,4-Dioxane	9.237	88	5803	428.740	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	157126	100.404	ug/l	98
52) Toluene	10.170	92	128919	19.637	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	62838	19.476	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	73636	19.223	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	35572	19.720	ug/l	96
56) Ethyl methacrylate	10.438	69	44620	19.396	ug/l	100
57) 1,3-Dichloropropane	10.719	76	60936	19.491	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	107568	101.290	ug/l	99
59) 2-Hexanone	10.762	43	109553	105.872	ug/l	98
60) Dibromochloromethane	10.914	129	47870	19.358	ug/l	99
61) 1,2-Dibromoethane	11.018	107	33437	19.641	ug/l	97
64) Tetrachloroethene	10.646	164	48058	19.598	ug/l	98
65) Chlorobenzene	11.444	112	135015	18.959	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	48814	19.388	ug/l	100
67) Ethyl Benzene	11.517	91	238496	19.081	ug/l	99
68) m/p-Xylenes	11.627	106	184669	38.916	ug/l	99
69) o-Xylene	11.956	106	83621	19.120	ug/l	99
70) Styrene	11.969	104	140205	19.324	ug/l	99
71) Bromoform	12.133	173	28337	20.134	ug/l #	98
73) Isopropylbenzene	12.255	105	227722	18.919	ug/l	100
74) N-amyl acetate	12.072	43	49116	18.789	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	41732	19.647	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	30660m	19.912	ug/l	
77) Bromobenzene	12.536	156	51851	18.413	ug/l	98
78) n-propylbenzene	12.597	91	280785	19.208	ug/l	100
79) 2-Chlorotoluene	12.682	91	159129	19.038	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	187183	19.136	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13174	19.450	ug/l	95
82) 4-Chlorotoluene	12.779	91	166239	19.206	ug/l	100
83) tert-Butylbenzene	12.999	119	163102	18.691	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	185591	19.109	ug/l	100
85) sec-Butylbenzene	13.176	105	249181	19.192	ug/l	100
86) p-Isopropyltoluene	13.292	119	202582	18.939	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	105372	18.798	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	104875	19.131	ug/l	98
89) n-Butylbenzene	13.621	91	186240	18.856	ug/l	99
90) Hexachloroethane	13.883	117	43553	19.087	ug/l	98
91) 1,2-Dichlorobenzene	13.663	146	91257	18.995	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6311	19.835	ug/l	90
93) 1,2,4-Trichlorobenzene	14.925	180	47173	17.977	ug/l	97
94) Hexachlorobutadiene	15.029	225	31456	19.123	ug/l	99
95) Naphthalene	15.151	128	74806	18.887	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	39961	18.107	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
Data File : VY021453.D
Acq On : 07 Mar 2025 12:03
Operator : SY/MD
Sample : VY0307SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0307SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
Supervised By :Semsettin Yesilyurt 03/11/2025

Quant Time: Mar 07 22:00:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

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

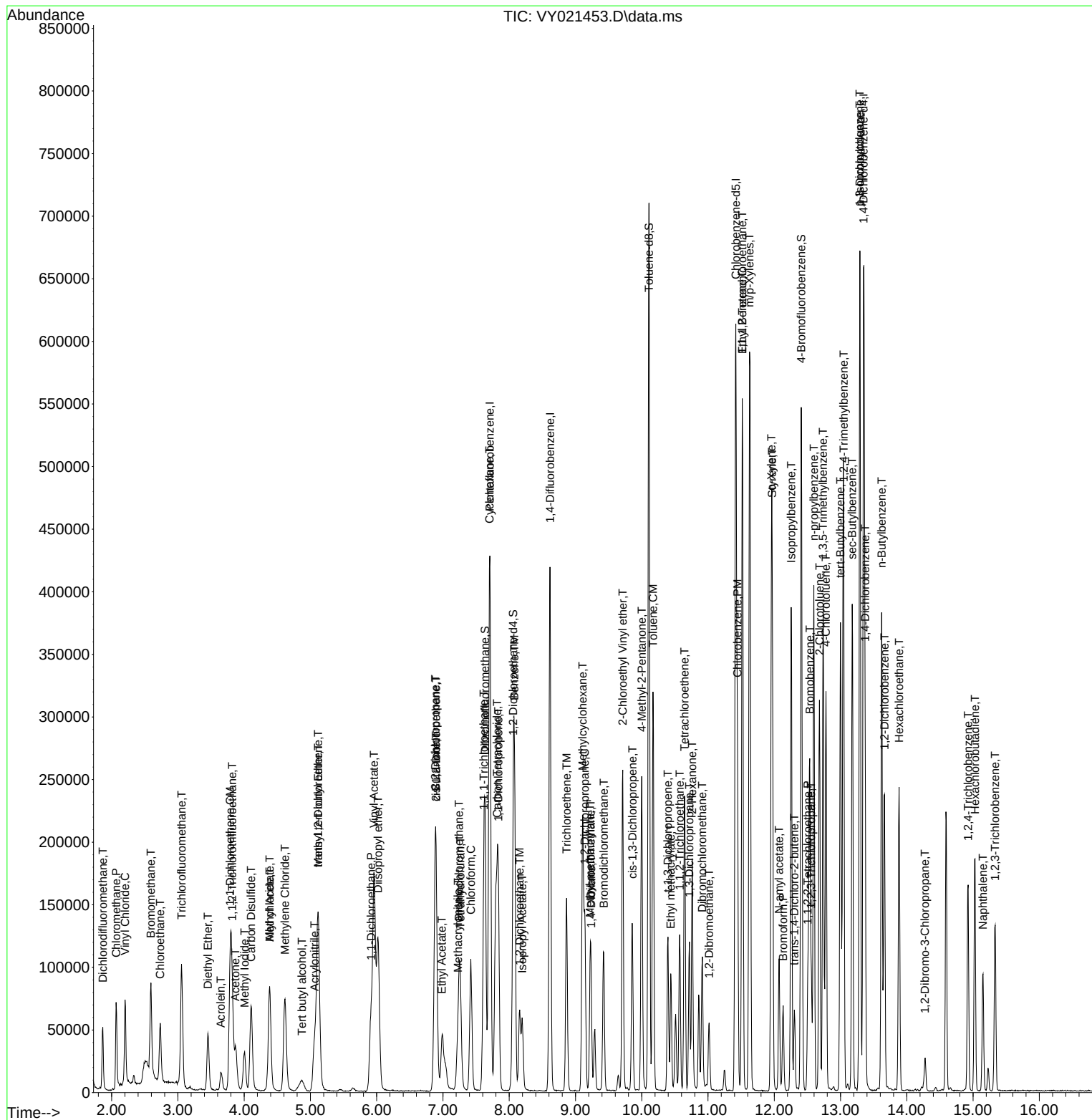
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021453.D
 Acq On : 07 Mar 2025 12:03
 Operator : SY/MD
 Sample : VY0307SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0307SBS01

Quant Time: Mar 07 22:00:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
 Supervised By :Semsettin Yesilyurt 03/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045135.D
 Acq On : 05 Mar 2025 12:26
 Operator : JC/MD
 Sample : VX0305WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBSD01

Manual Integrations APPROVED

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

Quant Time: Mar 06 01:03:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	104383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	188951	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	167692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73577	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.952	65	81831	49.285	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.560%
35) Dibromofluoromethane	5.379	113	63872	50.553	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.100%
50) Toluene-d8	8.647	98	233974	51.080	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.160%
62) 4-Bromofluorobenzene	11.079	95	77651	51.159	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.320%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.166	85	25554	19.448	ug/l	97
3) Chloromethane	1.307	50	30784	19.145	ug/l	97
4) Vinyl Chloride	1.374	62	28793	18.050	ug/l	98
5) Bromomethane	1.593	94	11190	17.845	ug/l	99
6) Chloroethane	1.660	64	11751	15.971	ug/l	94
7) Trichlorofluoromethane	1.867	101	39358	18.638	ug/l	97
8) Diethyl Ether	2.136	74	14681	17.775	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	24600	20.277	ug/l	97
10) Methyl Iodide	2.441	142	29395	19.388	ug/l	99
11) Tert butyl alcohol	2.995	59	25231	80.226	ug/l	99
12) 1,1-Dichloroethene	2.306	96	24479	19.085	ug/l	99
13) Acrolein	2.239	56	35220	96.877	ug/l	98
14) Allyl chloride	2.654	41	44437	19.463	ug/l	100
15) Acrylonitrile	3.068	53	83639	99.228	ug/l	100
16) Acetone	2.392	43	71451	92.750	ug/l	98
17) Carbon Disulfide	2.502	76	54326	15.902	ug/l	99
18) Methyl Acetate	2.703	43	38148	20.585	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	83186	19.331	ug/l	100
20) Methylene Chloride	2.782	84	29184	19.125	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	25202	19.888	ug/l	95
22) Diisopropyl ether	3.763	45	92306	19.879	ug/l	94
23) Vinyl Acetate	3.721	43	369150	95.265	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50888	19.555	ug/l	99
25) 2-Butanone	4.568	43	116702	100.642	ug/l	99
26) 2,2-Dichloropropane	4.471	77	31179	25.544	ug/l	97
27) cis-1,2-Dichloroethene	4.483	96	30742	19.653	ug/l	98
28) Bromochloromethane	4.897	49	27571	22.228	ug/l	100
29) Tetrahydrofuran	5.013	42	77400	99.394	ug/l	99
30) Chloroform	5.086	83	49949	19.317	ug/l	96
31) Cyclohexane	5.458	56	44911	19.881	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	39605	18.965	ug/l	100
36) 1,1-Dichloropropene	5.690	75	32570	18.797	ug/l	99
37) Ethyl Acetate	4.715	43	43509	19.487	ug/l	97
38) Carbon Tetrachloride	5.666	117	31758	18.053	ug/l	96
39) Methylcyclohexane	7.373	83	43836	21.114	ug/l	97
40) Benzene	6.031	78	108204	19.776	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
 Data File : VX045135.D
 Acq On : 05 Mar 2025 12:26
 Operator : JC/MD
 Sample : VX0305WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0305WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Mar 06 01:03:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	23219	19.233	ug/l	94
42) 1,2-Dichloroethane	6.086	62	38564	19.573	ug/l	98
43) Isopropyl Acetate	6.342	43	63481	19.228	ug/l	100
44) Trichloroethene	7.123	130	23788	18.515	ug/l	98
45) 1,2-Dichloropropane	7.427	63	27303	19.408	ug/l	100
46) Dibromomethane	7.580	93	19632	19.744	ug/l	99
47) Bromodichloromethane	7.818	83	36222	18.572	ug/l	100
48) Methyl methacrylate	7.696	41	31784	19.189	ug/l	98
49) 1,4-Dioxane	7.671	88	14405	412.289	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	223880	100.992	ug/l	100
52) Toluene	8.714	92	66524	20.722	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	30810	18.896	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	37343	19.640	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	26275	19.881	ug/l	99
56) Ethyl methacrylate	9.116	69	38988	19.408	ug/l	99
57) 1,3-Dichloropropane	9.305	76	45852	20.048	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	93444	95.356	ug/l	97
59) 2-Hexanone	9.433	43	163225	101.624	ug/l	100
60) Dibromochloromethane	9.519	129	25594	18.522	ug/l	100
61) 1,2-Dibromoethane	9.610	107	25105	19.029	ug/l	99
64) Tetrachloroethene	9.269	164	21212	19.750	ug/l	91
65) Chlorobenzene	10.079	112	69220	19.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	21254	17.986	ug/l	99
67) Ethyl Benzene	10.195	91	123682	20.004	ug/l	99
68) m/p-Xylenes	10.299	106	94216	41.627	ug/l	98
69) o-Xylene	10.640	106	45390	19.884	ug/l	100
70) Styrene	10.652	104	74263	20.106	ug/l	99
71) Bromoform	10.799	173	15338	17.213	ug/l #	98
73) Isopropylbenzene	10.963	105	116043	20.206	ug/l	100
74) N-amyl acetate	10.841	43	50887	18.884	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	41049	19.478	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	35831m	20.923	ug/l	
77) Bromobenzene	11.195	156	27194	20.069	ug/l	97
78) n-propylbenzene	11.305	91	132188	20.376	ug/l	100
79) 2-Chlorotoluene	11.366	91	81676	19.769	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	96161	20.708	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8063	16.113	ug/l #	82
82) 4-Chlorotoluene	11.451	91	90278	20.049	ug/l	99
83) tert-Butylbenzene	11.713	119	93664	19.631	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	95237	20.383	ug/l	99
85) sec-Butylbenzene	11.890	105	117932	20.635	ug/l	99
86) p-Isopropyltoluene	12.006	119	96010	20.787	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	48977	20.262	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	48188	19.705	ug/l	97
89) n-Butylbenzene	12.329	91	82412	20.717	ug/l	100
90) Hexachloroethane	12.536	117	13810	16.531	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	49011	20.212	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7544	18.375	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	27569	19.967	ug/l	99
94) Hexachlorobutadiene	13.725	225	11329	20.014	ug/l	96
95) Naphthalene	13.774	128	108208	20.398	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	29345	20.147	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045135.D
Acq On : 05 Mar 2025 12:26
Operator : JC/MD
Sample : VX0305WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
APPROVED

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

Quant Time: Mar 06 01:03:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration

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

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

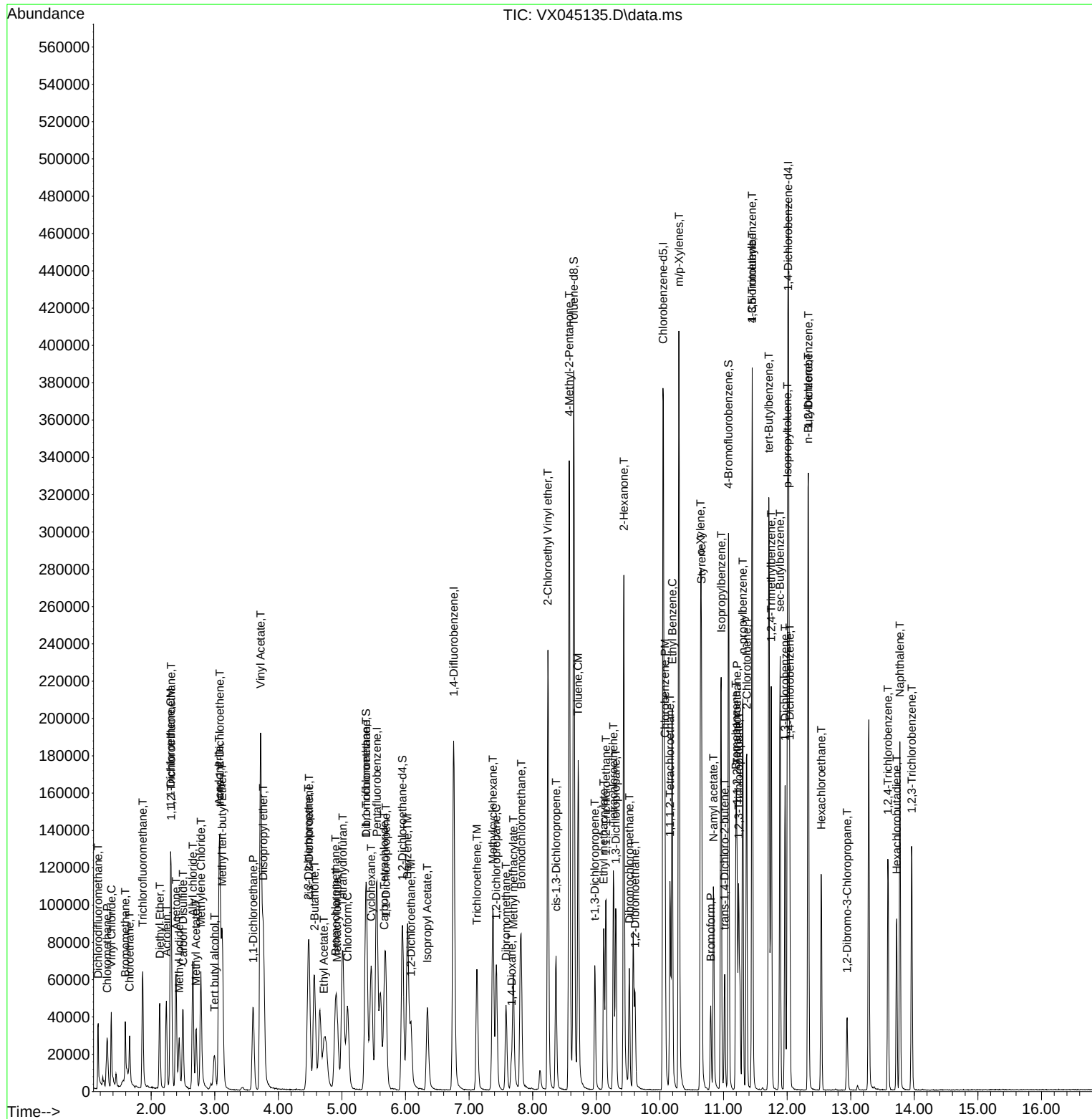
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030525\
Data File : VX045135.D
Acq On : 05 Mar 2025 12:26
Operator : JC/MD
Sample : VX0305WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0305WBSD01

Manual Integrations
APPROVED

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

Quant Time: Mar 06 01:03:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 28 06:45:16 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021429.D
 Acq On : 06 Mar 2025 12:55
 Operator : SY/MD
 Sample : VY0306SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
 Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	197190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	284896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	145541	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	114552	54.963	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.920%	
35) Dibromofluoromethane	7.634	113	108456	52.046	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.100%	
50) Toluene-d8	10.103	98	405827	51.435	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.860%	
62) 4-Bromofluorobenzene	12.408	95	141225	52.620	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.240%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	35558	19.650	ug/l	96
3) Chloromethane	2.068	50	52949	20.755	ug/l	96
4) Vinyl Chloride	2.202	62	58685	21.049	ug/l	99
5) Bromomethane	2.586	94	42039	20.863	ug/l	95
6) Chloroethane	2.733	64	40824	22.158	ug/l	94
7) Trichlorofluoromethane	3.056	101	80838	20.774	ug/l	96
8) Diethyl Ether	3.452	74	22347	20.722	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	43988	19.799	ug/l	99
10) Methyl Iodide	4.001	142	44089	19.522	ug/l	100
11) Tert butyl alcohol	4.860	59	17013	113.220	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	40773	20.129	ug/l	98
13) Acrolein	3.653	56	17122	161.514	ug/l	96
14) Allyl chloride	4.385	41	65445	19.993	ug/l	98
15) Acrylonitrile	5.055	53	48263	105.132	ug/l	99
16) Acetone	3.867	43	37789	83.130	ug/l	92
17) Carbon Disulfide	4.104	76	123987	19.532	ug/l	100
18) Methyl Acetate	4.385	43	21520	21.336	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	104712	20.396	ug/l	99
20) Methylene Chloride	4.616	84	48615	20.374	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	45523	20.068	ug/l	91
22) Diisopropyl ether	6.019	45	148861	21.102	ug/l	97
23) Vinyl Acetate	5.958	43	418814	104.026	ug/l	98
24) 1,1-Dichloroethane	5.915	63	85283	20.483	ug/l	98
25) 2-Butanone	6.890	43	59932	95.309	ug/l	97
26) 2,2-Dichloropropane	6.884	77	70954	18.521	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	51954	20.160	ug/l	99
28) Bromochloromethane	7.244	49	33556	19.224	ug/l	98
29) Tetrahydrofuran	7.256	42	40277	103.753	ug/l	99
30) Chloroform	7.415	83	91972	21.273	ug/l	96
31) Cyclohexane	7.701	56	73337	18.788	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	79136	19.991	ug/l	99
36) 1,1-Dichloropropene	7.835	75	62244	19.082	ug/l	98
37) Ethyl Acetate	6.988	43	29173	20.235	ug/l	97
38) Carbon Tetrachloride	7.817	117	70264	18.730	ug/l	98
39) Methylcyclohexane	9.110	83	72710	18.173	ug/l	99
40) Benzene	8.079	78	190921	19.869	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021429.D
 Acq On : 06 Mar 2025 12:55
 Operator : SY/MD
 Sample : VY0306SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0306SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
 Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	15276	19.460	ug/l	95
42) 1,2-Dichloroethane	8.152	62	54960	20.446	ug/l	99
43) Isopropyl Acetate	8.195	43	54803	19.581	ug/l #	88
44) Trichloroethene	8.866	130	46195	19.025	ug/l	93
45) 1,2-Dichloropropane	9.140	63	46832	20.478	ug/l	95
46) Dibromomethane	9.231	93	25456	20.006	ug/l	98
47) Bromodichloromethane	9.420	83	68125	20.160	ug/l	99
48) Methyl methacrylate	9.219	41	24350	18.947	ug/l	95
49) 1,4-Dioxane	9.225	88	5487	439.330	ug/l #	93
51) 4-Methyl-2-Pentanone	10.000	43	145575	100.811	ug/l	98
52) Toluene	10.170	92	119217	19.680	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	57714	19.386	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	68787	19.461	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	33986	20.418	ug/l	94
56) Ethyl methacrylate	10.439	69	41790	19.686	ug/l	98
57) 1,3-Dichloropropane	10.719	76	59572	20.650	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	105149	107.301	ug/l	98
59) 2-Hexanone	10.762	43	92172	96.532	ug/l	98
60) Dibromochloromethane	10.908	129	45450	19.918	ug/l	100
61) 1,2-Dibromoethane	11.012	107	31489	20.045	ug/l	100
64) Tetrachloroethene	10.646	164	43602	18.821	ug/l	97
65) Chlorobenzene	11.438	112	128907	19.161	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	45704	19.215	ug/l	98
67) Ethyl Benzene	11.518	91	220217	18.649	ug/l	99
68) m/p-Xylenes	11.627	106	169502	37.809	ug/l	98
69) o-Xylene	11.957	106	77803	18.830	ug/l	99
70) Styrene	11.969	104	133689	19.504	ug/l	99
71) Bromoform	12.127	173	26030	19.577	ug/l #	100
73) Isopropylbenzene	12.255	105	208083	18.150	ug/l	99
74) N-amyl acetate	12.066	43	47561	19.102	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	38365	18.963	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	28008m	19.097	ug/l	
77) Bromobenzene	12.530	156	50969	19.003	ug/l	100
78) n-propylbenzene	12.597	91	256602	18.429	ug/l	100
79) 2-Chlorotoluene	12.682	91	149480	18.776	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	171567	18.415	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	11197	17.356	ug/l	94
82) 4-Chlorotoluene	12.780	91	153440	18.612	ug/l	99
83) tert-Butylbenzene	12.999	119	155498	18.709	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	175877	19.013	ug/l	99
85) sec-Butylbenzene	13.176	105	227701	18.413	ug/l	100
86) p-Isopropyltoluene	13.292	119	187268	18.381	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	98798	18.505	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	99121	18.984	ug/l	99
89) n-Butylbenzene	13.621	91	171306	18.209	ug/l	99
90) Hexachloroethane	13.877	117	39511	18.179	ug/l	97
91) 1,2-Dichlorobenzene	13.658	146	87985	19.228	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5795	19.122	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	46812	18.729	ug/l	97
94) Hexachlorobutadiene	15.023	225	30717	19.606	ug/l	96
95) Naphthalene	15.145	128	72201	19.111	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	39613	18.844	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021429.D
Acq On : 06 Mar 2025 12:55
Operator : SY/MD
Sample : VY0306SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

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

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

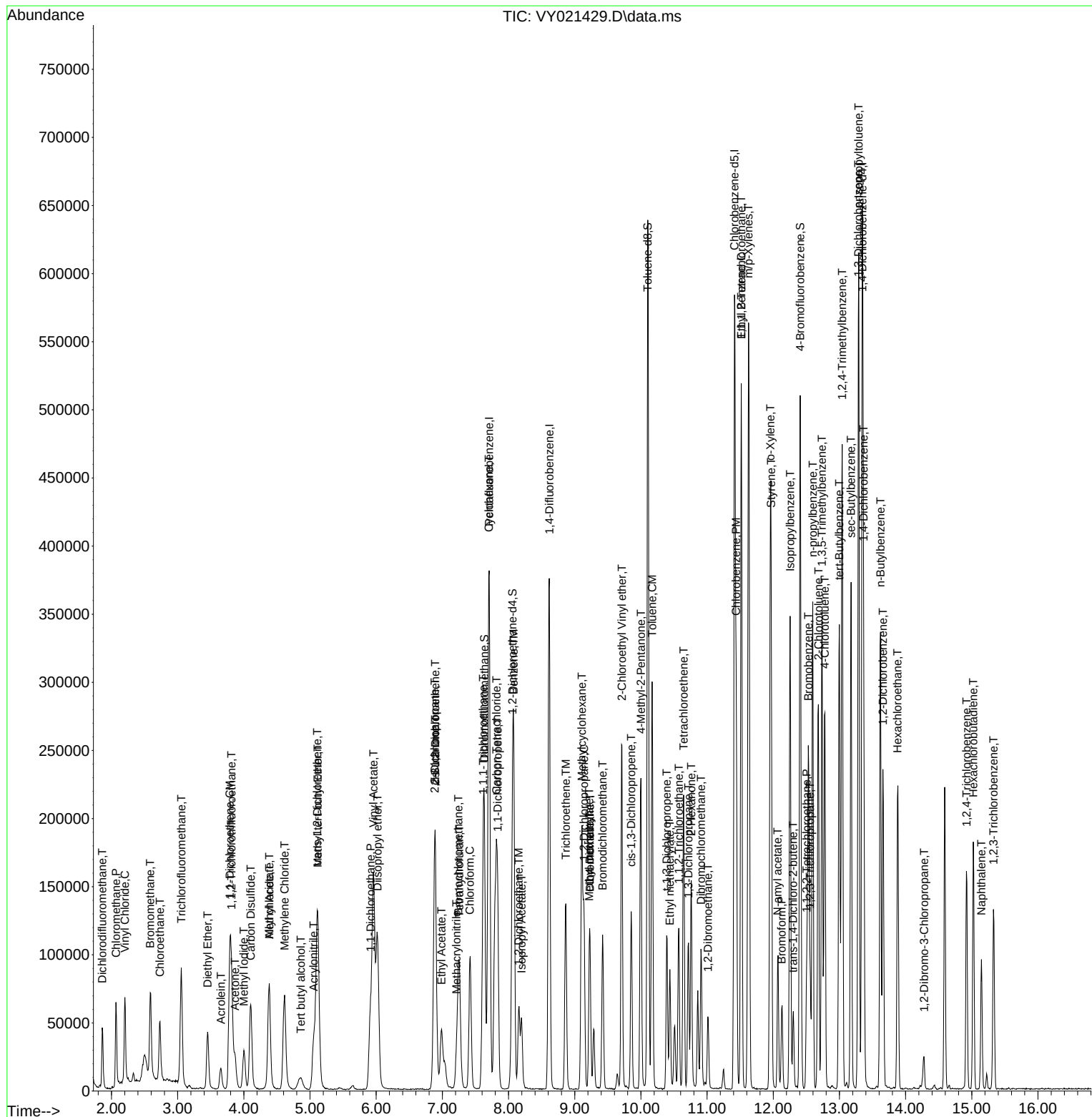
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
Data File : VY021429.D
Acq On : 06 Mar 2025 12:55
Operator : SY/MD
Sample : VY0306SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0306SBSD01

Manual Integrations

Reviewed By :Mahesh Dadoda 03/07/2025
Supervised By :Semsettin Yesilyurt 03/07/2025

Quant Time: Mar 07 00:39:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX045068.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	1,4-Dichlorobenzene	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Carbon Tetrachloride	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Chloroethane	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Ethyl Acetate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methacrylonitrile	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC001	VX045068.D	Methyl methacrylate	JOHN	2/28/2025 10:05:09 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC005	VX045069.D	Tert butyl alcohol	JOHN	2/28/2025 10:05:14 AM	MMDadoda	2/28/2025 11:09:31 AM	Peak Integrated by Software
VSTDICC020	VX045070.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:21 AM	MMDadoda	2/28/2025 11:09:33 AM	Peak Integrated by Software
VSTDICCC050	VX045071.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:25 AM	MMDadoda	2/28/2025 11:09:35 AM	Peak Integrated by Software
VSTDICC100	VX045072.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:30 AM	MMDadoda	2/28/2025 11:09:37 AM	Peak Integrated by Software
VSTDICC150	VX045073.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:33 AM	MMDadoda	2/28/2025 11:09:42 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX022825	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX045075.D	1,2,3-Trichloropropane	JOHN	2/28/2025 10:05:38 AM	MMDadoda	2/28/2025 11:09:44 AM	Peak Integrated by Software
VSTDCCC050	VX045077.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045077.D	Tert butyl alcohol	JOHN	3/3/2025 8:20:45 AM	MMDadoda	3/3/2025 1:49:43 PM	Peak Integrated by Software
VSTDCCC050	VX045098.D	1,2,3-Trichloropropane	JOHN	3/3/2025 8:20:59 AM	MMDadoda	3/3/2025 1:49:50 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX030525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045127.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:19:47 AM	MMDadoda	3/6/2025 2:56:18 PM	Peak Integrated by Software
VX0305WBS01	VX045130.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:19:51 AM	MMDadoda	3/6/2025 2:56:16 PM	Peak Integrated by Software
VX0305WBSD0 1	VX045135.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:20:00 AM	MMDadoda	3/6/2025 2:56:17 PM	Peak Integrated by Software
VSTDCCC050	VX045153.D	1,2,3-Trichloropropane	JOHN	3/6/2025 8:21:33 AM	MMDadoda	3/6/2025 2:56:19 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VX030625

Instrument

MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX045155.D	1,2,3-Trichloropropane	JOHN	3/10/2025 9:41:16 AM	MMDadoda	3/10/2025 2:26:53 PM	Peak Integrated by Software
VX0306WBS01	VX045158.D	1,2,3-Trichloropropane	JOHN	3/10/2025 9:41:21 AM	MMDadoda	3/10/2025 2:26:53 PM	Peak Integrated by Software
Q1488-14DL	VX045161.D	Cyclohexane	JOHN	3/10/2025 9:41:25 AM	MMDadoda	3/10/2025 2:26:54 PM	Peak Integrated by Software
VSTDCCC050	VX045181.D	1,2,3-Trichloropropane	JOHN	3/10/2025 9:42:04 AM	MMDadoda	3/10/2025 2:27:00 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY021397.D	1,2,3-Trichloropropane	MMDadod a	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Methacrylonitrile	MMDadod a	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Tert butyl alcohol	MMDadod a	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	1,2,3-Trichloropropane	MMDadod a	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	Ethyl Acetate	MMDadod a	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICCC050	VY021399.D	1,2,3-Trichloropropane	MMDadod a	3/6/2025 2:55:35 PM	SAM	3/6/2025 3:00:06 PM	Peak Integrated by Software
VSTDICC100	VY021400.D	1,2,3-Trichloropropane	MMDadod a	3/6/2025 2:55:49 PM	SAM	3/6/2025 3:00:09 PM	Peak Integrated by Software
VSTDICC150	VY021401.D	1,2,3-Trichloropropane	MMDadod a	3/6/2025 2:55:42 PM	SAM	3/6/2025 3:00:14 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	1,2,3-Trichloropropane	MMDadod a	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	Ethyl Acetate	MMDadod a	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	1,2,3-Trichloropropane	MMDadod a	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	Methacrylonitrile	MMDadod a	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software



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Manual Integration Report

Sequence:

VY030425

Instrument

MSVOA_y

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	vy030625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021426.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:05 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBS01	VY021428.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:09 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBS01	VY021428.D	Methacrylonitrile	MMDadoda	3/7/2025 1:32:09 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VY0306SBSD01	VY021429.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:32:03 PM	SAM	3/7/2025 1:32:48 PM	Peak Integrated by Software
VSTDCCC050	VY021449.D	1,2,3-Trichloropropane	MMDadoda	3/7/2025 1:31:54 PM	SAM	3/7/2025 1:32:50 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	vy030725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021451.D	1,2,3-Trichloropropane	MMDadoda	3/11/2025 2:51:32 PM	SAM	3/11/2025 2:52:15 PM	Peak Integrated by Software
VY0307SBS01	VY021453.D	1,2,3-Trichloropropane	MMDadoda	3/11/2025 2:51:33 PM	SAM	3/11/2025 2:52:16 PM	Peak Integrated by Software
VY0307SBS01	VY021453.D	Methacrylonitrile	MMDadoda	3/11/2025 2:51:33 PM	SAM	3/11/2025 2:52:16 PM	Peak Integrated by Software
Q1488-07	VY021459.D	Acetone	MMDadoda	3/11/2025 2:51:39 PM	SAM	3/11/2025 2:52:25 PM	Peak Integrated by Software
VSTDCCC050	VY021472.D	1,2,3-Trichloropropane	MMDadoda	3/11/2025 2:51:41 PM	SAM	3/11/2025 2:52:26 PM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133187,VP133189		
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199		
CCC	VP133188,VP133190		
Internal Standard/PEM			
ICV/I.BLK	VP133200		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045067.D	28 Feb 2025 01:03	JC/MD	Ok
2	VSTDICCC001	VX045068.D	28 Feb 2025 01:27	JC/MD	Ok,M
3	VSTDICCC005	VX045069.D	28 Feb 2025 02:13	JC/MD	Ok,M
4	VSTDICCC020	VX045070.D	28 Feb 2025 02:37	JC/MD	Ok,M
5	VSTDICCC050	VX045071.D	28 Feb 2025 03:00	JC/MD	Ok,M
6	VSTDICCC100	VX045072.D	28 Feb 2025 03:23	JC/MD	Ok,M
7	VSTDICCC150	VX045073.D	28 Feb 2025 03:47	JC/MD	Ok,M
8	IBLK	VX045074.D	28 Feb 2025 04:10	JC/MD	Ok
9	VSTDICV050	VX045075.D	28 Feb 2025 04:33	JC/MD	Ok,M
10	BFB	VX045076.D	28 Feb 2025 10:03	JC/MD	Ok
11	VSTDICCC050	VX045077.D	28 Feb 2025 10:32	JC/MD	Ok,M
12	VX0228MBL01	VX045078.D	28 Feb 2025 11:00	JC/MD	Ok
13	VX0228WBL01	VX045079.D	28 Feb 2025 11:23	JC/MD	Ok
14	VX0228WBS01	VX045080.D	28 Feb 2025 11:46	JC/MD	Ok,M
15	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13	JC/MD	Ok,M
16	Q1401-03	VX045082.D	28 Feb 2025 12:37	JC/MD	Ok
17	Q1401-06	VX045083.D	28 Feb 2025 13:00	JC/MD	Ok
18	Q1423-01	VX045084.D	28 Feb 2025 13:23	JC/MD	Ok
19	Q1423-03	VX045085.D	28 Feb 2025 13:47	JC/MD	Ok
20	Q1403-01	VX045086.D	28 Feb 2025 14:10	JC/MD	Ok
21	Q1403-02	VX045087.D	28 Feb 2025 14:33	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133187,VP133189		
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199		
CCC	VP133188,VP133190		
Internal Standard/PEM			
ICV/I.BLK	VP133200		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1435-01	VX045088.D	28 Feb 2025 14:57	JC/MD	Ok
23	Q1403-04	VX045089.D	28 Feb 2025 15:20	JC/MD	Ok
24	Q1462-02	VX045090.D	28 Feb 2025 15:44	JC/MD	Ok
25	Q1469-01	VX045091.D	28 Feb 2025 16:07	JC/MD	Ok
26	Q1469-02	VX045092.D	28 Feb 2025 16:31	JC/MD	Ok
27	Q1469-03	VX045093.D	28 Feb 2025 16:54	JC/MD	Ok
28	Q1469-04	VX045094.D	28 Feb 2025 17:17	JC/MD	Ok
29	Q1403-03	VX045095.D	28 Feb 2025 17:41	JC/MD	Ok
30	Q1462-01	VX045096.D	28 Feb 2025 18:04	JC/MD	Ok,M
31	IBLK	VX045097.D	28 Feb 2025 18:27	JC/MD	Ok
32	VSTDCCC050	VX045098.D	28 Feb 2025 18:50	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM
Supervise By	Maresh Dadoda	Supervise On	3/6/2025 2:56:36 PM
SubDirectory	VX030525	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133217		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133218,VP133219		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045126.D	05 Mar 2025 08:40	JC/MD	Ok
2	VSTDCCC050	VX045127.D	05 Mar 2025 09:12	JC/MD	Ok,M
3	VX0305MBL01	VX045128.D	05 Mar 2025 09:39	JC/MD	Ok
4	VX0305WBL01	VX045129.D	05 Mar 2025 10:03	JC/MD	Ok
5	VX0305WBS01	VX045130.D	05 Mar 2025 10:26	JC/MD	Ok,M
6	VX0305MBS01	VX045131.D	05 Mar 2025 10:53	JC/MD	Ok,M
7	Q1480-17	VX045132.D	05 Mar 2025 11:16	JC/MD	Ok
8	Q1448-04ME	VX045133.D	05 Mar 2025 11:40	JC/MD	Ok
9	IBLK	VX045134.D	05 Mar 2025 12:03	JC/MD	Ok
10	VX0305WBSD01	VX045135.D	05 Mar 2025 12:26	JC/MD	Ok,M
11	Q1478-04DL	VX045136.D	05 Mar 2025 12:50	JC/MD	Ok
12	Q1478-06DL	VX045137.D	05 Mar 2025 13:13	JC/MD	Ok
13	Q1478-02DL	VX045138.D	05 Mar 2025 13:36	JC/MD	Not Ok
14	Q1478-08	VX045139.D	05 Mar 2025 13:59	JC/MD	Not Ok
15	VX0305MBSD01	VX045140.D	05 Mar 2025 14:23	JC/MD	Ok,M
16	Q1448-04MEDL	VX045141.D	05 Mar 2025 14:46	JC/MD	Not Ok
17	IBLK	VX045142.D	05 Mar 2025 15:09	JC/MD	Ok
18	Q1478-08	VX045143.D	05 Mar 2025 15:32	JC/MD	Not Ok
19	Q1478-02DL	VX045144.D	05 Mar 2025 15:56	JC/MD	Ok
20	Q1478-08	VX045145.D	05 Mar 2025 16:19	JC/MD	Ok
21	Q1501-03	VX045146.D	05 Mar 2025 16:42	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QCBatch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM
Supervise By	Mahesh Dadoda	Supervise On	3/6/2025 2:56:36 PM
SubDirectory	VX030525	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133217		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133218,VP133219		

22	Q1501-07	VX045147.D	05 Mar 2025 17:05	JC/MD	Ok
23	Q1501-04	VX045148.D	05 Mar 2025 17:28	JC/MD	Not Ok
24	Q1488-15	VX045149.D	05 Mar 2025 17:52	JC/MD	Ok
25	Q1488-13	VX045150.D	05 Mar 2025 18:15	JC/MD	Ok
26	Q1488-14	VX045151.D	05 Mar 2025 18:38	JC/MD	Dilution
27	Q1494-01	VX045152.D	05 Mar 2025 19:01	JC/MD	ReRun
28	VSTDCCC050	VX045153.D	05 Mar 2025 19:24	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX030625

Review By	John Carlone	Review On	3/10/2025 9:58:48 AM
Supervise By	Maresh Dadoda	Supervise On	3/10/2025 2:27:03 PM
SubDirectory	VX030625	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133226		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133227,VP133228		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX045154.D	06 Mar 2025 09:09	JC/MD	Ok
2	VSTDCCC050	VX045155.D	06 Mar 2025 09:56	JC/MD	Ok,M
3	VX0306MBL01	VX045156.D	06 Mar 2025 10:23	JC/MD	Ok
4	VX0306WBL01	VX045157.D	06 Mar 2025 10:46	JC/MD	Ok
5	VX0306WBS01	VX045158.D	06 Mar 2025 11:10	JC/MD	Ok,M
6	Q1501-01	VX045159.D	06 Mar 2025 11:36	JC/MD	Ok
7	Q1501-02	VX045160.D	06 Mar 2025 12:00	JC/MD	Ok
8	Q1488-14DL	VX045161.D	06 Mar 2025 12:23	JC/MD	Ok,M
9	Q1501-04	VX045162.D	06 Mar 2025 12:46	JC/MD	ReRun
10	Q1501-05MS	VX045163.D	06 Mar 2025 13:09	JC/MD	Ok,M
11	Q1501-06MSD	VX045164.D	06 Mar 2025 13:33	JC/MD	Ok,M
12	Q1484-06	VX045165.D	06 Mar 2025 13:56	JC/MD	Ok
13	Q1494-01	VX045166.D	06 Mar 2025 14:19	JC/MD	Ok
14	Q1501-04RE	VX045167.D	06 Mar 2025 14:43	JC/MD	Confirms
15	PB166989TB	VX045168.D	06 Mar 2025 15:06	JC/MD	Ok
16	Q1481-02	VX045169.D	06 Mar 2025 15:29	JC/MD	Ok,M
17	Q1488-02	VX045170.D	06 Mar 2025 15:52	JC/MD	Ok
18	Q1488-04	VX045171.D	06 Mar 2025 16:16	JC/MD	Ok
19	Q1488-06	VX045172.D	06 Mar 2025 16:39	JC/MD	Ok
20	Q1488-08	VX045173.D	06 Mar 2025 17:02	JC/MD	Ok
21	Q1488-10	VX045174.D	06 Mar 2025 17:25	JC/MD	Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX030625

Review By	John Carlone	Review On	3/10/2025 9:58:48 AM
Supervise By	Maresh Dadoda	Supervise On	3/10/2025 2:27:03 PM
SubDirectory	VX030625	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133226		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133227,VP133228		

22	Q1488-12	VX045175.D	06 Mar 2025 17:49	JC/MD	Ok
23	Q1490-02	VX045176.D	06 Mar 2025 18:12	JC/MD	Ok
24	Q1494-04	VX045177.D	06 Mar 2025 18:35	JC/MD	Ok
25	Q1494-06	VX045178.D	06 Mar 2025 18:59	JC/MD	Ok
26	Q1494-08	VX045179.D	06 Mar 2025 19:22	JC/MD	Ok
27	Q1478-15	VX045180.D	06 Mar 2025 19:45	JC/MD	Ok
28	VSTDCCC050	VX045181.D	06 Mar 2025 20:09	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM		
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133216			
Initial Calibration Stds		VP133207,VP133208,VP133209,VP133210,VP133211,VP133212			
CCC		VP133214,VP133215			
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133213			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021395.D	04 Mar 2025 08:52	SY/MD	Ok
2	VSTDICC005	VY021396.D	04 Mar 2025 09:23	SY/MD	Not Ok
3	VSTDICC010	VY021397.D	04 Mar 2025 09:46	SY/MD	Ok,M
4	VSTDICC020	VY021398.D	04 Mar 2025 10:09	SY/MD	Ok,M
5	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	SY/MD	Ok,M
6	VSTDICC100	VY021400.D	04 Mar 2025 11:06	SY/MD	Ok,M
7	VSTDICC150	VY021401.D	04 Mar 2025 11:29	SY/MD	Ok,M
8	VIBLK	VY021402.D	04 Mar 2025 11:52	SY/MD	Ok
9	VSTDICC005	VY021403.D	04 Mar 2025 12:15	SY/MD	Ok,M
10	VSTDICV050	VY021404.D	04 Mar 2025 13:12	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM
SubDirectory	VY030625	HP Acquire Method	HP Processing Method 82y030425s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133223		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133224,VP133225 VP131783		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021425.D	06 Mar 2025 09:39	SY/MD	Ok
2	VSTDCCC050	VY021426.D	06 Mar 2025 10:10	SY/MD	Ok,M
3	VY0306SBL01	VY021427.D	06 Mar 2025 11:59	SY/MD	Ok
4	VY0306SBS01	VY021428.D	06 Mar 2025 12:33	SY/MD	Ok,M
5	VY0306SBSD01	VY021429.D	06 Mar 2025 12:55	SY/MD	Ok,M
6	Q1489-05	VY021430.D	06 Mar 2025 13:28	SY/MD	Ok
7	Q1489-01	VY021431.D	06 Mar 2025 13:52	SY/MD	Not Ok
8	Q1421-09	VY021432.D	06 Mar 2025 14:15	SY/MD	Ok
9	Q1479-01	VY021433.D	06 Mar 2025 14:39	SY/MD	Ok
10	Q1479-02	VY021434.D	06 Mar 2025 15:02	SY/MD	ReRun
11	Q1488-01	VY021435.D	06 Mar 2025 15:25	SY/MD	Ok
12	Q1488-03	VY021436.D	06 Mar 2025 15:49	SY/MD	Ok
13	Q1488-05	VY021437.D	06 Mar 2025 16:12	SY/MD	Ok
14	Q1488-07	VY021438.D	06 Mar 2025 16:36	SY/MD	Not Ok
15	Q1488-09	VY021439.D	06 Mar 2025 16:59	SY/MD	ReRun
16	Q1488-11	VY021440.D	06 Mar 2025 17:22	SY/MD	Not Ok
17	Q1463-01	VY021441.D	06 Mar 2025 17:46	SY/MD	Ok
18	Q1463-05	VY021442.D	06 Mar 2025 18:09	SY/MD	Ok
19	Q1463-04	VY021443.D	06 Mar 2025 18:33	SY/MD	Ok
20	Q1463-06	VY021444.D	06 Mar 2025 18:56	SY/MD	Ok
21	Q1463-07	VY021445.D	06 Mar 2025 19:20	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030625

Review By	Mahesh Dadoda	Review On	3/7/2025 1:32:16 PM
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM
SubDirectory	VY030625	HP Acquire Method	HP Processing Method 82y030425s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133223		
CCC	VP133224,VP133225		
Internal Standard/PEM	VP131783		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1463-08	VY021446.D	06 Mar 2025 19:43	SY/MD	Ok
23	Q1463-09	VY021447.D	06 Mar 2025 20:06	SY/MD	Ok
24	Q1463-10	VY021448.D	06 Mar 2025 20:30	SY/MD	ReRun
25	VSTDCCC050	VY021449.D	06 Mar 2025 21:15	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM		
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133232			
CCC		VP133233,VP133234			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021450.D	07 Mar 2025 09:27	SY/MD	Ok
2	VSTDCCC050	VY021451.D	07 Mar 2025 09:59	SY/MD	Ok,M
3	VY0307SBL01	VY021452.D	07 Mar 2025 10:35	SY/MD	Ok
4	VY0307SBS01	VY021453.D	07 Mar 2025 12:03	SY/MD	Ok,M
5	VY0307SBSD01	VY021454.D	07 Mar 2025 12:26	SY/MD	Ok,M
6	Q1463-03	VY021455.D	07 Mar 2025 12:55	SY/MD	Ok,M
7	Q1479-02	VY021456.D	07 Mar 2025 13:18	SY/MD	Ok,M
8	Q1463-02	VY021457.D	07 Mar 2025 13:42	SY/MD	ReRun
9	Q1463-10	VY021458.D	07 Mar 2025 14:05	SY/MD	Ok
10	Q1488-07	VY021459.D	07 Mar 2025 14:28	SY/MD	Ok,M
11	Q1488-09	VY021460.D	07 Mar 2025 14:52	SY/MD	Ok
12	Q1488-11	VY021461.D	07 Mar 2025 15:15	SY/MD	Ok
13	Q1514-01	VY021462.D	07 Mar 2025 15:39	SY/MD	ReRun
14	Q1514-03	VY021463.D	07 Mar 2025 16:02	SY/MD	ReRun
15	Q1514-05	VY021464.D	07 Mar 2025 16:25	SY/MD	ReRun
16	Q1515-02	VY021465.D	07 Mar 2025 16:49	SY/MD	ReRun
17	Q1507-01	VY021466.D	07 Mar 2025 17:12	SY/MD	Not Ok
18	Q1508-01	VY021467.D	07 Mar 2025 17:36	SY/MD	ReRun
19	Q1494-05	VY021468.D	07 Mar 2025 17:59	SY/MD	ReRun
20	Q1494-03	VY021469.D	07 Mar 2025 18:23	SY/MD	ReRun
21	Q1494-07	VY021470.D	07 Mar 2025 18:46	SY/MD	ReRun

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM		
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133232			
CCC		VP133233,VP133234			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q1490-01	VY021471.D	07 Mar 2025 19:09	SY/MD	Not Ok
23	VSTDCCC050	VY021472.D	07 Mar 2025 19:32	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Mahesh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133187,VP133189		
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199		
CCC	VP133188,VP133190		
Internal Standard/PEM			
ICV/I.BLK	VP133200		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045067.D	28 Feb 2025 01:03		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX045068.D	28 Feb 2025 01:27		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX045069.D	28 Feb 2025 02:13		JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX045070.D	28 Feb 2025 02:37		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX045071.D	28 Feb 2025 03:00		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX045072.D	28 Feb 2025 03:23		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX045073.D	28 Feb 2025 03:47		JC/MD	Ok,M
8	IBLK	IBLK	VX045074.D	28 Feb 2025 04:10		JC/MD	Ok
9	VSTDICV050	ICVVX022825	VX045075.D	28 Feb 2025 04:33		JC/MD	Ok,M
10	BFB	BFB	VX045076.D	28 Feb 2025 10:03		JC/MD	Ok
11	VSTDCCC050	VSTDCCC050	VX045077.D	28 Feb 2025 10:32	V12668	JC/MD	Ok,M
12	VX0228MBL01	VX0228MBL01	VX045078.D	28 Feb 2025 11:00		JC/MD	Ok
13	VX0228WBL01	VX0228WBL01	VX045079.D	28 Feb 2025 11:23		JC/MD	Ok
14	VX0228WBS01	VX0228WBS01	VX045080.D	28 Feb 2025 11:46		JC/MD	Ok,M
15	VX0228WBSD01	VX0228WBSD01	VX045081.D	28 Feb 2025 12:13		JC/MD	Ok,M
16	Q1401-03	BP-VPB-192-GW-840-8	VX045082.D	28 Feb 2025 12:37	vial B pH<2	JC/MD	Ok
17	Q1401-06	BP-VPB-192-GW-900-9	VX045083.D	28 Feb 2025 13:00	vial B pH<2	JC/MD	Ok
18	Q1423-01	BP-VPB-192-TB-20250	VX045084.D	28 Feb 2025 13:23	vial B pH<2 TB	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX022825

Review By	Maresh Dadoda	Review On	2/28/2025 11:09:50 AM
Supervise By	Semsettin Yesilyurt	Supervise On	2/28/2025 11:11:09 AM
SubDirectory	VX022825	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP133187,VP133189		
Initial Calibration Stds	VP133194,VP133195,VP133196,VP133197,VP133198,VP133199		
CCC	VP133188,VP133190		
Internal Standard/PEM			
ICV/I.BLK	VP133200		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1423-03	BP-VPB-192-EB-20250	VX045085.D	28 Feb 2025 13:47	vial B pH<2 EB	JC/MD	Ok
20	Q1403-01	Storage-Blank-SOIL-RE	VX045086.D	28 Feb 2025 14:10	vial B pH<2	JC/MD	Ok
21	Q1403-02	Storage-Blank-WATER-	VX045087.D	28 Feb 2025 14:33	vial B pH<2	JC/MD	Ok
22	Q1435-01	286107	VX045088.D	28 Feb 2025 14:57	vial A pH<2	JC/MD	Ok
23	Q1403-04	Storage-Blank-SAMPLE	VX045089.D	28 Feb 2025 15:20	vial B pH<2	JC/MD	Ok
24	Q1462-02	FB	VX045090.D	28 Feb 2025 15:44	vial A pH<2 FB	JC/MD	Ok
25	Q1469-01	Storage-Blank-SOIL-RE	VX045091.D	28 Feb 2025 16:07	vial A pH<2	JC/MD	Ok
26	Q1469-02	Storage-Blank-WATER-	VX045092.D	28 Feb 2025 16:31	vial A pH<2	JC/MD	Ok
27	Q1469-03	Storage-Blank-WATER-	VX045093.D	28 Feb 2025 16:54	vial A pH<2	JC/MD	Ok
28	Q1469-04	Storage-Blank-SAMPLE	VX045094.D	28 Feb 2025 17:17	vial A pH<2	JC/MD	Ok
29	Q1403-03	Storage-Blank-WATER-	VX045095.D	28 Feb 2025 17:41	vial B pH<2	JC/MD	Ok
30	Q1462-01	MW2	VX045096.D	28 Feb 2025 18:04	vial A pH<2	JC/MD	Ok,M
31	IBLK	IBLK	VX045097.D	28 Feb 2025 18:27		JC/MD	Ok
32	VSTDCCC050	VSTDCCC050EC	VX045098.D	28 Feb 2025 18:50		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM
Supervise By	Maresh Dadoda	Supervise On	3/6/2025 2:56:36 PM
SubDirectory	VX030525	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133217		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133218,VP133219		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045126.D	05 Mar 2025 08:40		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045127.D	05 Mar 2025 09:12	pH#Lot#V12668	JC/MD	Ok,M
3	VX0305MBL01	VX0305MBL01	VX045128.D	05 Mar 2025 09:39		JC/MD	Ok
4	VX0305WBL01	VX0305WBL01	VX045129.D	05 Mar 2025 10:03		JC/MD	Ok
5	VX0305WBS01	VX0305WBS01	VX045130.D	05 Mar 2025 10:26		JC/MD	Ok,M
6	VX0305MBS01	VX0305MBS01	VX045131.D	05 Mar 2025 10:53		JC/MD	Ok,M
7	Q1480-17	TP-3	VX045132.D	05 Mar 2025 11:16		JC/MD	Ok
8	Q1448-04ME	P3ME	VX045133.D	05 Mar 2025 11:40		JC/MD	Ok
9	IBLK	IBLK	VX045134.D	05 Mar 2025 12:03		JC/MD	Ok
10	VX0305WBSD01	VX0305WBSD01	VX045135.D	05 Mar 2025 12:26		JC/MD	Ok,M
11	Q1478-04DL	IDW-AQ-DRUM-616-02	VX045136.D	05 Mar 2025 12:50	vial B pH<2	JC/MD	Ok
12	Q1478-06DL	IDW-AQ-DRUM-614-02	VX045137.D	05 Mar 2025 13:13	vial B pH<2	JC/MD	Ok
13	Q1478-02DL	IDW-AQ-DRUM-610-02	VX045138.D	05 Mar 2025 13:36	Not req.	JC/MD	Not Ok
14	Q1478-08	IDW-AQ-DRUM-612-02	VX045139.D	05 Mar 2025 13:59	Need lower dilution	JC/MD	Not Ok
15	VX0305MBSD01	VX0305MBSD01	VX045140.D	05 Mar 2025 14:23		JC/MD	Ok,M
16	Q1448-04MEDL	P3MEDL	VX045141.D	05 Mar 2025 14:46	Not req.	JC/MD	Not Ok
17	IBLK	IBLK	VX045142.D	05 Mar 2025 15:09		JC/MD	Ok
18	Q1478-08	IDW-AQ-DRUM-612-02	VX045143.D	05 Mar 2025 15:32	Need lower dilution	JC/MD	Not Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX030525

Review By	John Carlone	Review On	3/6/2025 8:28:41 AM
Supervise By	Maresh Dadoda	Supervise On	3/6/2025 2:56:36 PM
SubDirectory	VX030525	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133217		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133218,VP133219		

19	Q1478-02DL	IDW-AQ-DRUM-610-02	VX045144.D	05 Mar 2025 15:56	vial B pH<2	JC/MD	Ok
20	Q1478-08	IDW-AQ-DRUM-612-02	VX045145.D	05 Mar 2025 16:19	vial A pH<2	JC/MD	Ok
21	Q1501-03	EB01-030525	VX045146.D	05 Mar 2025 16:42	vial A pH<2 EB	JC/MD	Ok
22	Q1501-07	TB01-030525	VX045147.D	05 Mar 2025 17:05	vial A pH<2 TB	JC/MD	Ok
23	Q1501-04	BR-05-465-030525	VX045148.D	05 Mar 2025 17:28	Need Straight Run	JC/MD	Not Ok
24	Q1488-15	TB03042025	VX045149.D	05 Mar 2025 17:52	vial A pH<2 TB	JC/MD	Ok
25	Q1488-13	ENV-102-GW01	VX045150.D	05 Mar 2025 18:15	vial A pH<2	JC/MD	Ok
26	Q1488-14	ENV-104-GW01	VX045151.D	05 Mar 2025 18:38	vial A pH<2 Need 4X	JC/MD	Dilution
27	Q1494-01	PURGE-WATER	VX045152.D	05 Mar 2025 19:01	vial A pH<2 E flag in previous sample	JC/MD	ReRun
28	VSTDCCC050	VSTDCCC050EC	VX045153.D	05 Mar 2025 19:24		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX030625

Review By	John Carlone	Review On	3/10/2025 9:58:48 AM
Supervise By	Maresh Dadoda	Supervise On	3/10/2025 2:27:03 PM
SubDirectory	VX030625	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133226		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133227,VP133228		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX045154.D	06 Mar 2025 09:09		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX045155.D	06 Mar 2025 09:56	pH#Lot#V12668	JC/MD	Ok,M
3	VX0306MBL01	VX0306MBL01	VX045156.D	06 Mar 2025 10:23		JC/MD	Ok
4	VX0306WBL01	VX0306WBL01	VX045157.D	06 Mar 2025 10:46		JC/MD	Ok
5	VX0306WBS01	VX0306WBS01	VX045158.D	06 Mar 2025 11:10		JC/MD	Ok,M
6	Q1501-01	MW-16B-87.5-030425	VX045159.D	06 Mar 2025 11:36	vial A pH<2	JC/MD	Ok
7	Q1501-02	MW-16B-87.5-030425	VX045160.D	06 Mar 2025 12:00	vial A pH<2	JC/MD	Ok
8	Q1488-14DL	ENV-104-GW01DL	VX045161.D	06 Mar 2025 12:23	vial B pH<2	JC/MD	Ok,M
9	Q1501-04	BR-05-465-030525	VX045162.D	06 Mar 2025 12:46	vial A pH<2 Surrogate Fail	JC/MD	ReRun
10	Q1501-05MS	BR-05-465-030525MS	VX045163.D	06 Mar 2025 13:09	vial A pH<2	JC/MD	Ok,M
11	Q1501-06MSD	BR-05-465-030525MSD	VX045164.D	06 Mar 2025 13:33	vial A pH<2	JC/MD	Ok,M
12	Q1484-06	TR-OTR-COMP-01	VX045165.D	06 Mar 2025 13:56	vial A pH#5.0	JC/MD	Ok
13	Q1494-01	PURGE-WATER	VX045166.D	06 Mar 2025 14:19	vial B pH<2	JC/MD	Ok
14	Q1501-04RE	BR-05-465-030525RE	VX045167.D	06 Mar 2025 14:43	vial B pH<2 Surrogate Fail	JC/MD	Confirms
15	PB166989TB	PB166989TB	VX045168.D	06 Mar 2025 15:06		JC/MD	Ok
16	Q1481-02	WC-K1311	VX045169.D	06 Mar 2025 15:29	vial A pH#5.0	JC/MD	Ok,M
17	Q1488-02	ENV-101-SB01	VX045170.D	06 Mar 2025 15:52	vial A pH#5.0	JC/MD	Ok
18	Q1488-04	ENV-101-SB02	VX045171.D	06 Mar 2025 16:16	vial A pH#5.0	JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX030625

Review By	John Carlone	Review On	3/10/2025 9:58:48 AM
Supervise By	Maresh Dadoda	Supervise On	3/10/2025 2:27:03 PM
SubDirectory	VX030625	HP Acquire Method	HP Processing Method 82X022825W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133226		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP133227,VP133228		

19	Q1488-06	ENV-102-SB01	VX045172.D	06 Mar 2025 16:39	vial A pH#5.0	JC/MD	Ok
20	Q1488-08	ENV-102-SB02	VX045173.D	06 Mar 2025 17:02	vial A pH#5.0	JC/MD	Ok
21	Q1488-10	ENV-104-SB01	VX045174.D	06 Mar 2025 17:25	vial A pH#5.0	JC/MD	Ok
22	Q1488-12	ENV-104-SB02	VX045175.D	06 Mar 2025 17:49	vial A pH#5.0	JC/MD	Ok
23	Q1490-02	CLAY-SLUDGE-DRUM	VX045176.D	06 Mar 2025 18:12	vial A pH#5.0	JC/MD	Ok
24	Q1494-04	ASPHALT-SOIL	VX045177.D	06 Mar 2025 18:35	vial A pH#5.0	JC/MD	Ok
25	Q1494-06	SOIL	VX045178.D	06 Mar 2025 18:59	vial A pH#5.0	JC/MD	Ok
26	Q1494-08	SOIL-COMP	VX045179.D	06 Mar 2025 19:22	vial A pH#5.0	JC/MD	Ok
27	Q1478-15	IDW-SO-DRUM-582-02	VX045180.D	06 Mar 2025 19:45	vial A pH#5.0	JC/MD	Ok
28	VSTDCCC050	VSTDCCC050EC	VX045181.D	06 Mar 2025 20:09		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM		
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP133216			
Initial Calibration Stds		VP133207,VP133208,VP133209,VP133210,VP133211,VP133212			
CCC		VP133214,VP133215			
Internal Standard/PEM		VP131783			
ICV/I.BLK		VP133213			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021395.D	04 Mar 2025 08:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021396.D	04 Mar 2025 09:23	not used	SY/MD	Not Ok
3	VSTDICC010	VSTDICC010	VY021397.D	04 Mar 2025 09:46		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021398.D	04 Mar 2025 10:09	Comp.#11 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	Comp.#95 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021400.D	04 Mar 2025 11:06		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021401.D	04 Mar 2025 11:29	Method fail for comp.#13	SY/MD	Ok,M
8	VIBLK	VIBLK	VY021402.D	04 Mar 2025 11:52		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VY021403.D	04 Mar 2025 12:15		SY/MD	Ok,M
10	VSTDICV050	ICVVY030425	VY021404.D	04 Mar 2025 13:12		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY030625

Review By	Maresh Dadoda	Review On	3/7/2025 1:32:16 PM
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM
SubDirectory	VY030625	HP Acquire Method	HP Processing Method 82y030425s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133223		
CCC	VP133224,VP133225		
Internal Standard/PEM	VP131783		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021425.D	06 Mar 2025 09:39		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021426.D	06 Mar 2025 10:10		SY/MD	Ok,M
3	VY0306SBL01	VY0306SBL01	VY021427.D	06 Mar 2025 11:59		SY/MD	Ok
4	VY0306SBS01	VY0306SBS01	VY021428.D	06 Mar 2025 12:33		SY/MD	Ok,M
5	VY0306SBSD01	VY0306SBSD01	VY021429.D	06 Mar 2025 12:55		SY/MD	Ok,M
6	Q1489-05	TP-2	VY021430.D	06 Mar 2025 13:28	vial-B	SY/MD	Ok
7	Q1489-01	TP-1	VY021431.D	06 Mar 2025 13:52	vial-B Not purge	SY/MD	Not Ok
8	Q1421-09	P001-CLAY-CF02-01	VY021432.D	06 Mar 2025 14:15	vial-B	SY/MD	Ok
9	Q1479-01	P5	VY021433.D	06 Mar 2025 14:39	vial-A	SY/MD	Ok
10	Q1479-02	DSP2	VY021434.D	06 Mar 2025 15:02	vial-A Internal Standard Fail	SY/MD	ReRun
11	Q1488-01	ENV-101-SB01	VY021435.D	06 Mar 2025 15:25	vial-A	SY/MD	Ok
12	Q1488-03	ENV-101-SB02	VY021436.D	06 Mar 2025 15:49	vial-A	SY/MD	Ok
13	Q1488-05	ENV-102-SB01	VY021437.D	06 Mar 2025 16:12	vial-A	SY/MD	Ok
14	Q1488-07	ENV-102-SB02	VY021438.D	06 Mar 2025 16:36	vial-A Not purge	SY/MD	Not Ok
15	Q1488-09	ENV-104-SB01	VY021439.D	06 Mar 2025 16:59	vial-A Internal Standard Fail	SY/MD	ReRun
16	Q1488-11	ENV-104-SB02	VY021440.D	06 Mar 2025 17:22	vial-A Not purge	SY/MD	Not Ok
17	Q1463-01	T1	VY021441.D	06 Mar 2025 17:46	vial-B	SY/MD	Ok
18	Q1463-05	T5	VY021442.D	06 Mar 2025 18:09	vial-B	SY/MD	Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY030625

Review By	Maresh Dadoda	Review On	3/7/2025 1:32:16 PM
Supervise By	Semsettin Yesilyurt	Supervise On	3/7/2025 1:32:53 PM
SubDirectory	VY030625	HP Acquire Method	HP Processing Method 82y030425s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP133223		
CCC	VP133224,VP133225		
Internal Standard/PEM	VP131783		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1463-04	T4	VY021443.D	06 Mar 2025 18:33	Vial-B	SY/MD	Ok
20	Q1463-06	T6	VY021444.D	06 Mar 2025 18:56	Vial-A	SY/MD	Ok
21	Q1463-07	T7	VY021445.D	06 Mar 2025 19:20	Vial-A	SY/MD	Ok
22	Q1463-08	T8	VY021446.D	06 Mar 2025 19:43	Vial-A	SY/MD	Ok
23	Q1463-09	T9	VY021447.D	06 Mar 2025 20:06	Vial-A	SY/MD	Ok
24	Q1463-10	T10	VY021448.D	06 Mar 2025 20:30	Vial-A Internal Standard Fail; Surrogate Fail	SY/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VY021449.D	06 Mar 2025 21:15		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM		
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133232			
CCC		VP133233,VP133234			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021450.D	07 Mar 2025 09:27		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021451.D	07 Mar 2025 09:59		SY/MD	Ok,M
3	VY0307SBL01	VY0307SBL01	VY021452.D	07 Mar 2025 10:35		SY/MD	Ok
4	VY0307SBS01	VY0307SBS01	VY021453.D	07 Mar 2025 12:03		SY/MD	Ok,M
5	VY0307SBSD01	VY0307SBSD01	VY021454.D	07 Mar 2025 12:26	BSD Failed Low for com.#73,87,88	SY/MD	Ok,M
6	Q1463-03	T3	VY021455.D	07 Mar 2025 12:55	vial-B	SY/MD	Ok,M
7	Q1479-02	DSP2	VY021456.D	07 Mar 2025 13:18	vial-B	SY/MD	Ok,M
8	Q1463-02	T2	VY021457.D	07 Mar 2025 13:42	vial-A Internal standard fail	SY/MD	ReRun
9	Q1463-10	T10	VY021458.D	07 Mar 2025 14:05	vial-B	SY/MD	Ok
10	Q1488-07	ENV-102-SB02	VY021459.D	07 Mar 2025 14:28	vial-B	SY/MD	Ok,M
11	Q1488-09	ENV-104-SB01	VY021460.D	07 Mar 2025 14:52	Vial-B	SY/MD	Ok
12	Q1488-11	ENV-104-SB02	VY021461.D	07 Mar 2025 15:15	Vial-B Internal standard fail	SY/MD	Ok
13	Q1514-01	ENV-105-SB01	VY021462.D	07 Mar 2025 15:39	Vial-A BSD failed Low	SY/MD	ReRun
14	Q1514-03	ENV-105-SB02	VY021463.D	07 Mar 2025 16:02	Vial-A BSD failed Low	SY/MD	ReRun
15	Q1514-05	ENV-103-SB01	VY021464.D	07 Mar 2025 16:25	Vial-A BSD failed Low	SY/MD	ReRun
16	Q1515-02	AU-06-030625-E2	VY021465.D	07 Mar 2025 16:49	Vial-A Internal standard fail;Surrogate fail	SY/MD	ReRun
17	Q1507-01	50-MIDDLESEX-AVE	VY021466.D	07 Mar 2025 17:12	Vial-A Not purge	SY/MD	Not Ok

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY030725

Review By	Mahesh Dadoda	Review On	3/11/2025 2:51:48 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/11/2025 2:52:31 PM		
SubDirectory	VY030725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP133232			
CCC		VP133233,VP133234			
Internal Standard/PEM		VP131783			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q1508-01	RBR251372	VY021467.D	07 Mar 2025 17:36	Vial-A Internal standard fail	SY/MD	ReRun
19	Q1494-05	SOIL	VY021468.D	07 Mar 2025 17:59	Vial-A Internal standard fail	SY/MD	ReRun
20	Q1494-03	ASPHALT-SOIL	VY021469.D	07 Mar 2025 18:23	Vial-A Internal standard fail	SY/MD	ReRun
21	Q1494-07	SOIL-COMP	VY021470.D	07 Mar 2025 18:46	Vial-A Internal standard fail	SY/MD	ReRun
22	Q1490-01	CLAY-SLUDGE-DRUM	VY021471.D	07 Mar 2025 19:09	Vial-A Not purge	SY/MD	Not Ok
23	VSTDCCC050	VSTDCCC050EC	VY021472.D	07 Mar 2025 19:32		SY/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q1488	OrderDate:	3/4/2025 3:39:00 PM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	H31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1488-01	ENV-101-SB01	SOIL	VOC-TCLVOA-10	8260D	03/04/25		03/06/25	03/04/25
Q1488-02	ENV-101-SB01	TCLP	TCLP VOA	8260D	03/04/25		03/06/25	03/04/25
Q1488-03	ENV-101-SB02	SOIL	VOC-TCLVOA-10	8260D	03/04/25		03/06/25	03/04/25
Q1488-04	ENV-101-SB02	TCLP	TCLP VOA	8260D	03/04/25		03/06/25	03/04/25
Q1488-05	ENV-102-SB01	SOIL	VOC-TCLVOA-10	8260D	03/04/25		03/06/25	03/04/25
Q1488-06	ENV-102-SB01	TCLP	TCLP VOA	8260D	03/04/25		03/06/25	03/04/25
Q1488-07	ENV-102-SB02	SOIL	VOC-TCLVOA-10	8260D	03/04/25		03/07/25	03/04/25
Q1488-08	ENV-102-SB02	TCLP	TCLP VOA	8260D	03/04/25		03/06/25	03/04/25
Q1488-09	ENV-104-SB01	SOIL	VOC-TCLVOA-10	8260D	03/04/25		03/07/25	03/04/25
Q1488-10	ENV-104-SB01	TCLP	TCLP VOA	8260D	03/04/25		03/06/25	03/04/25
Q1488-11	ENV-104-SB02	SOIL	VOC-TCLVOA-10	8260D	03/04/25		03/07/25	03/04/25
Q1488-12	ENV-104-SB02	TCLP			03/04/25			03/04/25

LAB CHRONICLE

			TCLP VOA	8260D		03/06/25
Q1488-13	ENV-102-GW01	Water			03/04/25	03/04/25
			VOC-TCLVOA-10	8260-Low		03/05/25
Q1488-14	ENV-104-GW01	Water			03/04/25	03/04/25
			VOC-TCLVOA-10	8260-Low		03/05/25
Q1488-14DL	ENV-104-GW01DL	Water			03/04/25	03/04/25
			VOC-TCLVOA-10	8260-Low		03/06/25
Q1488-15	TB03042025	Water			03/04/25	03/04/25
			VOC-TCLVOA-10	8260-Low		03/05/25