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

Hit Summary Sheet
SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**WB-305-SW**								
P4578-01	WB-305-SW	Water	Acetone		2.20	J	1.40	5.00	ug/L
P4578-01	WB-305-SW	Water	Methylene Chloride		0.36	J	0.32	1.00	ug/L
			Total Voc :		2.56				
			Total Concentration:		2.56				
Client ID:	**WB-305-SW-1**								
P4578-02	WB-305-SW-1	Water	Acetone		2.40	J	1.40	5.00	ug/L
			Total Voc :		2.40				
			Total Concentration:		2.40				
Client ID:	**WB-305-TOP**								
P4578-03	WB-305-TOP	SOIL	Acetone		80.6		9.70	38.8	ug/Kg
P4578-03	WB-305-TOP	SOIL	Methyl Acetate		54.2		2.80	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	2-Butanone		18.5	J	8.80	38.8	ug/Kg
P4578-03	WB-305-TOP	SOIL	Methylcyclohexane		2.30	J	1.30	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	Toluene		20.4		1.00	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	Ethyl Benzene		1.60	J	0.96	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	m/p-Xylenes		5.20	J	2.10	15.5	ug/Kg
P4578-03	WB-305-TOP	SOIL	o-Xylene		5.40	J	1.10	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	Isopropylbenzene		7.10	J	1.00	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	1,3-Dichlorobenzene		2.10	J	1.10	7.80	ug/Kg
			Total Voc :		197				
P4578-03	WB-305-TOP	SOIL	unknown14.005	*	130	J	0	0	ug/Kg
P4578-03	WB-305-TOP	SOIL	unknown14.535	*	140	J	0	0	ug/Kg
P4578-03	WB-305-TOP	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	270	J	0	0	ug/Kg
P4578-03	WB-305-TOP	SOIL	o-Cymene	*	140	J	0	0	ug/Kg
P4578-03	WB-305-TOP	SOIL	Benzene, 1-methyl-3-(1-methyl	*	320	J	0	0	ug/Kg
P4578-03	WB-305-TOP	SOIL	Benzene, 1-ethenyl-4-methyl-	*	160	J	0	0	ug/Kg
P4578-03	WB-305-TOP	SOIL	1H-Indene, 2,3-dihydro-5-meth	*	160	J	0	0	ug/Kg
P4578-03	WB-305-TOP	SOIL	3-Phenylbut-1-ene	*	350	J	0	0	ug/Kg
P4578-03	WB-305-TOP	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	*	110	J	0	0	ug/Kg
P4578-03	WB-305-TOP	SOIL	Benzene, 2-ethyl-1,3-dimethyl-	*	360	J	0	0	ug/Kg
P4578-03	WB-305-TOP	SOIL	n-propylbenzene	*	2.70	J	0.99	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	1,3,5-Trimethylbenzene	*	9.50	J	0.99	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	1,2,4-Trimethylbenzene	*	47.8	J	2.10	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	sec-Butylbenzene	*	4.40	J	1.00	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	p-Isopropyltoluene	*	5.60	J	0.90	7.80	ug/Kg
P4578-03	WB-305-TOP	SOIL	n-Butylbenzene	*	24.2	J	0.98	7.80	ug/Kg

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

Hit Summary Sheet
SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P4578-03	WB-305-TOP	SOIL	1,4-Dioxane	*	200	J	65.9	160	ug/Kg
			Total Tics :		2430				
			Total Concentration:		2630				
Client ID:	**WB-305-TOP-1**								
P4578-04	WB-305-TOP-1	SOIL	Acetone		48.0		7.40	29.6	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	Carbon Disulfide		3.60	J	1.50	5.90	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	Methyl Acetate		91.9		2.10	5.90	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	2-Butanone		12.7	J	6.70	29.6	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	Methylcyclohexane		1.90	J	1.00	5.90	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	Toluene		4.20	J	0.79	5.90	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	o-Xylene		3.40	J	0.83	5.90	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	Isopropylbenzene		5.00	J	0.79	5.90	ug/Kg
			Total Voc :		171				
P4578-04	WB-305-TOP-1	SOIL	unknown14.529	*	60.2	J	0	0	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	Benzene, 1,2,3,5-tetramethyl-	*	110	J	0	0	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	Tridecane	*	55.0	J	0	0	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	1H-Indene, 2,3-dihydro-5-meth	*	86.6	J	0	0	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	3-Phenylbut-1-ene	*	190	J	0	0	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	Benzene, 1-ethyl-3,5-dimethyl-	*	150	J	0	0	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	Benzene, 4-ethyl-1,2-dimethyl-	*	120	J	0	0	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	Benzene, 1-methyl-2-(2-propen	*	59.9	J	0	0	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	n-propylbenzene	*	1.20	J	0.76	5.90	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	1,3,5-Trimethylbenzene	*	6.10	J	0.76	5.90	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	1,2,4-Trimethylbenzene	*	24.9	J	1.60	5.90	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	p-Isopropyltoluene	*	2.60	J	0.69	5.90	ug/Kg
P4578-04	WB-305-TOP-1	SOIL	n-Butylbenzene	*	5.70	J	0.75	5.90	ug/Kg
			Total Tics :		872				
			Total Concentration:		1040				
Client ID:	**WB-305-BOT**								
P4578-05	WB-305-BOT	SOIL	Carbon Disulfide		1.70	J	0.96	3.80	ug/Kg
			Total Voc :		1.70				
P4578-05	WB-305-BOT	SOIL	Benzene, 1,2,4,5-tetramethyl-	*	17.3	J	0	0	ug/Kg
P4578-05	WB-305-BOT	SOIL	p-Cymene	*	7.20	J	0	0	ug/Kg
P4578-05	WB-305-BOT	SOIL	o-Cymene	*	6.70	J	0	0	ug/Kg
P4578-05	WB-305-BOT	SOIL	1H-Indene, 2,3-dihydro-5-meth	*	8.50	J	0	0	ug/Kg
P4578-05	WB-305-BOT	SOIL	Benzene, 1-ethyl-2,3-dimethyl-	*	20.1	J	0	0	ug/Kg
P4578-05	WB-305-BOT	SOIL	Benzene, 1-ethyl-3,5-dimethyl-	*	23.7	J	0	0	ug/Kg

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

Hit Summary Sheet
SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P4578-05	WB-305-BOT	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	*	8.30	J	0	0	ug/Kg
P4578-05	WB-305-BOT	SOIL	Benzene, 1,3-diethyl-5-methyl-	*	8.20	J	0	0	ug/Kg
P4578-05	WB-305-BOT	SOIL	Cyclopropane, 1-methyl-1-pher	*	23.1	J	0	0	ug/Kg
P4578-05	WB-305-BOT	SOIL	1,4-Cyclohexadiene, 3-ethenyl-	*	7.60	J	0	0	ug/Kg
			Total Tics :		131				
			Total Concentration:		132				
Client ID:	**WB-305-BOT-1**								
P4578-07	WB-305-BOT-1	SOIL	Naphthalene, 1,3-dimethyl-	*	8.10	J	0	0	ug/Kg
			Total Tics :		8.10				
			Total Concentration:		8.10				
Client ID:	**TB-10252024**								
P4578-09	TB-10252024	Water	Acetone		1.70	J	1.40	5.00	ug/L
			Total Voc :		1.70				
			Total Concentration:		1.70				

SAMPLE DATA

Raw Data: **VX043597.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-SW	SDG No.:	P4578
Lab Sample ID:	P4578-01	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
VX043597.D	1		10/29/24 15:15	VX102924

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	2.20	J	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	0.36	J	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

Raw Data: **VX043597.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-SW	SDG No.:	P4578
Lab Sample ID:	P4578-01	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
VX043597.D	1		10/29/24 15:15	VX102924

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	44.0		70 (74) - 130 (125)	88%	SPK: 50
1868-53-7	Dibromofluoromethane	46.8		70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	142000	5.55			
540-36-3	1,4-Difluorobenzene	262000	6.757			
3114-55-4	Chlorobenzene-d5	231000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	101000	12.024			

Raw Data: **VX043597.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-SW	SDG No.:	P4578
Lab Sample ID:	P4578-01	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
VX043597.D	1		10/29/24 15:15	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **VX043598.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-SW-1	SDG No.:	P4578
Lab Sample ID:	P4578-02	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
VX043598.D	1		10/29/24 15:38	VX102924

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	2.40	J	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

Raw Data: **VX043598.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-SW-1	SDG No.:	P4578
Lab Sample ID:	P4578-02	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
VX043598.D	1		10/29/24 15:38	VX102924

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	43.3		70 (74) - 130 (125)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		70 (75) - 130 (124)	92%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	158000	5.55			
540-36-3	1,4-Difluorobenzene	289000	6.757			
3114-55-4	Chlorobenzene-d5	249000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	108000	12.024			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-SW-1	SDG No.:	P4578
Lab Sample ID:	P4578-02	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
VX043598.D	1		10/29/24 15:38	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **VY020033.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-TOP	SDG No.:	P4578
Lab Sample ID:	P4578-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	53.8
Sample Wt/Vol:	5.99 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
VY020033.D	1		10/28/24 11:56	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.60	U	2.60	7.80	ug/Kg
74-87-3	Chloromethane	1.80	U	1.80	7.80	ug/Kg
75-01-4	Vinyl Chloride	1.20	U	1.20	7.80	ug/Kg
74-83-9	Bromomethane	1.60	U	1.60	7.80	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	7.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.40	U	1.40	7.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.70	U	1.70	7.80	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	7.80	ug/Kg
67-64-1	Acetone	80.6		9.70	38.8	ug/Kg
75-15-0	Carbon Disulfide	2.00	U	2.00	7.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.00	U	1.00	7.80	ug/Kg
79-20-9	Methyl Acetate	54.2		2.80	7.80	ug/Kg
75-09-2	Methylene Chloride	5.30	U	5.30	15.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.30	U	1.30	7.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.98	U	0.98	7.80	ug/Kg
110-82-7	Cyclohexane	1.10	U	1.10	7.80	ug/Kg
78-93-3	2-Butanone	18.5	J	8.80	38.8	ug/Kg
56-23-5	Carbon Tetrachloride	1.30	U	1.30	7.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	7.80	ug/Kg
74-97-5	Bromochloromethane	3.80	U	3.80	7.80	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	7.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	7.80	ug/Kg
108-87-2	Methylcyclohexane	2.30	J	1.30	7.80	ug/Kg
71-43-2	Benzene	1.10	U	1.10	7.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.95	U	0.95	7.80	ug/Kg
79-01-6	Trichloroethene	1.20	U	1.20	7.80	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	7.80	ug/Kg
75-27-4	Bromodichloromethane	0.87	U	0.87	7.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	6.70	U	6.70	38.8	ug/Kg
108-88-3	Toluene	20.4		1.00	7.80	ug/Kg

Raw Data: **VY020033.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-TOP	SDG No.:	P4578
Lab Sample ID:	P4578-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	53.8
Sample Wt/Vol:	5.99 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
VY020033.D	1		10/28/24 11:56	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.93	U	0.93	7.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.88	U	0.88	7.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.30	U	1.30	7.80	ug/Kg
591-78-6	2-Hexanone	7.40	U	7.40	38.8	ug/Kg
124-48-1	Dibromochloromethane	1.00	U	1.00	7.80	ug/Kg
106-93-4	1,2-Dibromoethane	1.20	U	1.20	7.80	ug/Kg
127-18-4	Tetrachloroethene	1.40	U	1.40	7.80	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	7.80	ug/Kg
100-41-4	Ethyl Benzene	1.60	J	0.96	7.80	ug/Kg
179601-23-1	m/p-Xylenes	5.20	J	2.10	15.5	ug/Kg
95-47-6	o-Xylene	5.40	J	1.10	7.80	ug/Kg
100-42-5	Styrene	0.93	U	0.93	7.80	ug/Kg
75-25-2	Bromoform	1.30	U	1.30	7.80	ug/Kg
98-82-8	Isopropylbenzene	7.10	J	1.00	7.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.70	U	1.70	7.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	J	1.10	7.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	7.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.92	U	0.92	7.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.40	U	2.40	7.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.20	U	1.20	7.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.20	U	1.20	7.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.1		70 (50) - 130 (163)	80%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		70 (54) - 130 (147)	92%	SPK: 50
2037-26-5	Toluene-d8	47.1		70 (58) - 130 (134)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	28.8	*	70 (29) - 130 (146)	58%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	27500	7.713			
540-36-3	1,4-Difluorobenzene	45300	8.622			
3114-55-4	Chlorobenzene-d5	32500	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	8670	13.359			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-TOP	SDG No.:	P4578
Lab Sample ID:	P4578-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	53.8
Sample Wt/Vol:	5.99 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
VY020033.D	1		10/28/24 11:56	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
123-91-1	1,4-Dioxane	200	J		9.22	ug/Kg
103-65-1	n-propylbenzene	2.70	J		12.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	9.50	J		12.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	47.8	J		13.0	ug/Kg
135-98-8	sec-Butylbenzene	4.40	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	5.60	J		13.3	ug/Kg
000622-97-9	Benzene, 1-ethenyl-4-methyl-	160	J		13.5	ug/Kg
104-51-8	n-Butylbenzene	24.2	J		13.6	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	110	J		13.8	ug/Kg
000527-84-4	o-Cymene	140	J		13.8	ug/Kg
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	360	J		13.9	ug/Kg
	unknown14.005	130	J		14.0	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	270	J		14.2	ug/Kg
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl	320	J		14.3	ug/Kg
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	160	J		14.5	ug/Kg
	unknown14.535	140	J		14.5	ug/Kg
000934-10-1	3-Phenylbut-1-ene	350	J		14.6	ug/Kg

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

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

Raw Data: **VY020034.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-TOP-1	SDG No.:	P4578
Lab Sample ID:	P4578-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	58.7
Sample Wt/Vol:	7.19 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
VY020034.D	1		10/28/24 12:19	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.00	U	2.00	5.90	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	5.90	ug/Kg
75-01-4	Vinyl Chloride	0.91	U	0.91	5.90	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.90	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	5.90	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	5.90	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	5.90	ug/Kg
75-35-4	1,1-Dichloroethene	0.92	U	0.92	5.90	ug/Kg
67-64-1	Acetone	48.0		7.40	29.6	ug/Kg
75-15-0	Carbon Disulfide	3.60	J	1.50	5.90	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.79	U	0.79	5.90	ug/Kg
79-20-9	Methyl Acetate	91.9		2.10	5.90	ug/Kg
75-09-2	Methylene Chloride	4.00	U	4.00	11.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.00	U	1.00	5.90	ug/Kg
75-34-3	1,1-Dichloroethane	0.75	U	0.75	5.90	ug/Kg
110-82-7	Cyclohexane	0.82	U	0.82	5.90	ug/Kg
78-93-3	2-Butanone	12.7	J	6.70	29.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.90	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.72	U	0.72	5.90	ug/Kg
74-97-5	Bromochloromethane	2.90	U	2.90	5.90	ug/Kg
67-66-3	Chloroform	0.79	U	0.79	5.90	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.92	U	0.92	5.90	ug/Kg
108-87-2	Methylcyclohexane	1.90	J	1.00	5.90	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.90	ug/Kg
107-06-2	1,2-Dichloroethane	0.72	U	0.72	5.90	ug/Kg
79-01-6	Trichloroethene	0.89	U	0.89	5.90	ug/Kg
78-87-5	1,2-Dichloropropane	0.78	U	0.78	5.90	ug/Kg
75-27-4	Bromodichloromethane	0.66	U	0.66	5.90	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.20	U	5.20	29.6	ug/Kg
108-88-3	Toluene	4.20	J	0.79	5.90	ug/Kg

Raw Data: **VY020034.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-TOP-1	SDG No.:	P4578
Lab Sample ID:	P4578-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	58.7
Sample Wt/Vol:	7.19 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
VY020034.D	1		10/28/24 12:19	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.71	U	0.71	5.90	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.68	U	0.68	5.90	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.90	ug/Kg
591-78-6	2-Hexanone	5.70	U	5.70	29.6	ug/Kg
124-48-1	Dibromochloromethane	0.77	U	0.77	5.90	ug/Kg
106-93-4	1,2-Dibromoethane	0.94	U	0.94	5.90	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.90	ug/Kg
108-90-7	Chlorobenzene	0.88	U	0.88	5.90	ug/Kg
100-41-4	Ethyl Benzene	0.73	U	0.73	5.90	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	11.8	ug/Kg
95-47-6	o-Xylene	3.40	J	0.83	5.90	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.90	ug/Kg
75-25-2	Bromoform	0.96	U	0.96	5.90	ug/Kg
98-82-8	Isopropylbenzene	5.00	J	0.79	5.90	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.90	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.88	U	0.88	5.90	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	5.90	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.70	U	0.70	5.90	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.90	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.94	U	0.94	5.90	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.92	U	0.92	5.90	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.9		70 (50) - 130 (163)	118%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	51.7		70 (58) - 130 (134)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		70 (29) - 130 (146)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	189000	7.713			
540-36-3	1,4-Difluorobenzene	387000	8.616			
3114-55-4	Chlorobenzene-d5	355000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-TOP-1	SDG No.:	P4578
Lab Sample ID:	P4578-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	58.7
Sample Wt/Vol:	7.19 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
VY020034.D	1		10/28/24 12:19	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
103-65-1	n-propylbenzene	1.20	J		12.6	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6.10	J		12.7	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	24.9	J		13.0	ug/Kg
99-87-6	p-Isopropyltoluene	2.60	J		13.3	ug/Kg
104-51-8	n-Butylbenzene	5.70	J		13.6	ug/Kg
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	120	J		13.9	ug/Kg
001587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	59.9	J		14.0	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	110	J		14.2	ug/Kg
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	150	J		14.3	ug/Kg
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	86.6	J		14.5	ug/Kg
	unknown14.529	60.2	J		14.5	ug/Kg
000934-10-1	3-Phenylbut-1-ene	190	J		14.6	ug/Kg
000629-50-5	Tridecane	55.0	J		15.3	ug/Kg

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

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

Raw Data: **VY020062.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT	SDG No.:	P4578
Lab Sample ID:	P4578-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.1
Sample Wt/Vol:	8.09 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
VY020062.D	1		10/29/24 15:36	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	3.80	ug/Kg
74-87-3	Chloromethane	0.87	U	0.87	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.80	ug/Kg
74-83-9	Bromomethane	0.78	U	0.78	3.80	ug/Kg
75-00-3	Chloroethane	0.76	U	0.76	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.69	U	0.69	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.81	U	0.81	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.59	U	0.59	3.80	ug/Kg
67-64-1	Acetone	4.70	U	4.70	18.8	ug/Kg
75-15-0	Carbon Disulfide	1.70	J	0.96	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.50	3.80	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	3.80	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.47	U	0.47	3.80	ug/Kg
110-82-7	Cyclohexane	0.52	U	0.52	3.80	ug/Kg
78-93-3	2-Butanone	4.30	U	4.30	18.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.65	U	0.65	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.46	U	0.46	3.80	ug/Kg
74-97-5	Bromochloromethane	1.80	U	1.80	3.80	ug/Kg
67-66-3	Chloroform	0.50	U	0.50	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.59	U	0.59	3.80	ug/Kg
108-87-2	Methylcyclohexane	0.65	U	0.65	3.80	ug/Kg
71-43-2	Benzene	0.54	U	0.54	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.46	U	0.46	3.80	ug/Kg
79-01-6	Trichloroethene	0.56	U	0.56	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.50	U	0.50	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.42	U	0.42	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	18.8	ug/Kg
108-88-3	Toluene	0.50	U	0.50	3.80	ug/Kg

Raw Data: **VY020062.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT	SDG No.:	P4578
Lab Sample ID:	P4578-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.1
Sample Wt/Vol:	8.09 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
VY020062.D	1		10/29/24 15:36	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.45	U	0.45	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.43	U	0.43	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.63	U	0.63	3.80	ug/Kg
591-78-6	2-Hexanone	3.60	U	3.60	18.8	ug/Kg
124-48-1	Dibromochloromethane	0.49	U	0.49	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.59	U	0.59	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.67	U	0.67	3.80	ug/Kg
108-90-7	Chlorobenzene	0.56	U	0.56	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.47	U	0.47	3.80	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	7.50	ug/Kg
95-47-6	o-Xylene	0.53	U	0.53	3.80	ug/Kg
100-42-5	Styrene	0.45	U	0.45	3.80	ug/Kg
75-25-2	Bromoform	0.61	U	0.61	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.50	U	0.50	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.83	U	0.83	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.56	U	0.56	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.60	U	0.60	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.44	U	0.44	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.59	U	0.59	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.59	U	0.59	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.5		70 (50) - 130 (163)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (58) - 130 (134)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		70 (29) - 130 (146)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	171000	7.713			
540-36-3	1,4-Difluorobenzene	365000	8.615			
3114-55-4	Chlorobenzene-d5	339000	11.413			
3855-82-1	1,4-Dichlorobenzene-d4	127000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT	SDG No.:	P4578
Lab Sample ID:	P4578-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.1
Sample Wt/Vol:	8.09 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
VY020062.D	1		10/29/24 15:36	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	8.30	J		13.6	ug/Kg
000099-87-6	p-Cymene	7.20	J		13.8	ug/Kg
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	20.1	J		13.9	ug/Kg
062338-57-2	1,4-Cyclohexadiene, 3-ethenyl-1,2-	7.60	J		14.0	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	17.3	J		14.2	ug/Kg
000934-74-7	Benzene, 1-ethyl-3,5-dimethyl-	23.7	J		14.3	ug/Kg
002050-24-0	Benzene, 1,3-diethyl-5-methyl-	8.20	J		14.3	ug/Kg
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	8.50	J		14.5	ug/Kg
000527-84-4	o-Cymene	6.70	J		14.5	ug/Kg
002214-14-4	Cyclopropane, 1-methyl-1-phenyl-	23.1	J		14.6	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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT-1	SDG No.:	P4578
Lab Sample ID:	P4578-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	9.43 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
VY020035.D	1		10/28/24 12:43	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.93	U	0.93	2.80	ug/Kg
74-87-3	Chloromethane	0.65	U	0.65	2.80	ug/Kg
75-01-4	Vinyl Chloride	0.43	U	0.43	2.80	ug/Kg
74-83-9	Bromomethane	0.58	U	0.58	2.80	ug/Kg
75-00-3	Chloroethane	0.57	U	0.57	2.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.51	U	0.51	2.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.60	U	0.60	2.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.44	U	0.44	2.80	ug/Kg
67-64-1	Acetone	3.50	U	3.50	14.0	ug/Kg
75-15-0	Carbon Disulfide	0.72	U	0.72	2.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.38	U	0.38	2.80	ug/Kg
79-20-9	Methyl Acetate	1.00	U	1.00	2.80	ug/Kg
75-09-2	Methylene Chloride	1.90	U	1.90	5.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.47	U	0.47	2.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.35	U	0.35	2.80	ug/Kg
110-82-7	Cyclohexane	0.39	U	0.39	2.80	ug/Kg
78-93-3	2-Butanone	3.20	U	3.20	14.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.49	U	0.49	2.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.34	U	0.34	2.80	ug/Kg
74-97-5	Bromochloromethane	1.40	U	1.40	2.80	ug/Kg
67-66-3	Chloroform	0.38	U	0.38	2.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.44	U	0.44	2.80	ug/Kg
108-87-2	Methylcyclohexane	0.49	U	0.49	2.80	ug/Kg
71-43-2	Benzene	0.40	U	0.40	2.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.34	U	0.34	2.80	ug/Kg
79-01-6	Trichloroethene	0.42	U	0.42	2.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.37	U	0.37	2.80	ug/Kg
75-27-4	Bromodichloromethane	0.31	U	0.31	2.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.40	U	2.40	14.0	ug/Kg
108-88-3	Toluene	0.38	U	0.38	2.80	ug/Kg

Raw Data: **VY020035.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT-1	SDG No.:	P4578
Lab Sample ID:	P4578-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	9.43 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
VY020035.D	1		10/28/24 12:43	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.34	U	0.34	2.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.32	U	0.32	2.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.47	U	0.47	2.80	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	14.0	ug/Kg
124-48-1	Dibromochloromethane	0.37	U	0.37	2.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.44	U	0.44	2.80	ug/Kg
127-18-4	Tetrachloroethene	0.50	U	0.50	2.80	ug/Kg
108-90-7	Chlorobenzene	0.42	U	0.42	2.80	ug/Kg
100-41-4	Ethyl Benzene	0.35	U	0.35	2.80	ug/Kg
179601-23-1	m/p-Xylenes	0.76	U	0.76	5.60	ug/Kg
95-47-6	o-Xylene	0.39	U	0.39	2.80	ug/Kg
100-42-5	Styrene	0.34	U	0.34	2.80	ug/Kg
75-25-2	Bromoform	0.45	U	0.45	2.80	ug/Kg
98-82-8	Isopropylbenzene	0.38	U	0.38	2.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.62	U	0.62	2.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.42	U	0.42	2.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.45	U	0.45	2.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.33	U	0.33	2.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.88	U	0.88	2.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.44	U	0.44	2.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.44	U	0.44	2.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		70 (50) - 130 (163)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	51.6		70 (58) - 130 (134)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.9		70 (29) - 130 (146)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	212000	7.713			
540-36-3	1,4-Difluorobenzene	437000	8.615			
3114-55-4	Chlorobenzene-d5	399000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY020035.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	WB-305-BOT-1	SDG No.:	P4578
Lab Sample ID:	P4578-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	94.4
Sample Wt/Vol:	9.43 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
VY020035.D	1		10/28/24 12:43	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000575-41-7	Naphthalene, 1,3-dimethyl-	8.10	J		12.6	ug/Kg

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

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

Raw Data: **VX043591.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	TB-10252024	SDG No.:	P4578
Lab Sample ID:	P4578-09	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
VX043591.D	1		10/29/24 12:56	VX102924

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	1.70	J	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

Raw Data: **VX043591.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	TB-10252024	SDG No.:	P4578
Lab Sample ID:	P4578-09	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
VX043591.D	1		10/29/24 12:56	VX102924

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	44.3		70 (74) - 130 (125)	89%	SPK: 50
1868-53-7	Dibromofluoromethane	45.3		70 (75) - 130 (124)	91%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	157000	5.544			
540-36-3	1,4-Difluorobenzene	289000	6.757			
3114-55-4	Chlorobenzene-d5	251000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	105000	12.024			

Raw Data: **VX043591.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	10/25/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	10/25/24
Client Sample ID:	TB-10252024	SDG No.:	P4578
Lab Sample ID:	P4578-09	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
VX043591.D	1		10/29/24 12:56	VX102924

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

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

Surrogate Summary

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
P4578-03	WB-305-TOP	1,2-Dichloroethane-d4	50	40.1	80		70 (50)	130 (163)
		Dibromofluoromethane	50	46.0	92		70 (54)	130 (147)
		Toluene-d8	50	47.1	94		70 (58)	130 (134)
		4-Bromofluorobenzene	50	28.8	58	*	70 (29)	130 (146)
P4578-04	WB-305-TOP-1	1,2-Dichloroethane-d4	50	58.9	118		70 (50)	130 (163)
		Dibromofluoromethane	50	50.6	101		70 (54)	130 (147)
		Toluene-d8	50	51.6	103		70 (58)	130 (134)
		4-Bromofluorobenzene	50	45.6	91		70 (29)	130 (146)
P4578-05	WB-305-BOT	1,2-Dichloroethane-d4	50	58.5	117		70 (50)	130 (163)
		Dibromofluoromethane	50	49.5	99		70 (54)	130 (147)
		Toluene-d8	50	51.0	102		70 (58)	130 (134)
		4-Bromofluorobenzene	50	43.8	88		70 (29)	130 (146)
P4578-07	WB-305-BOT-1	1,2-Dichloroethane-d4	50	56.8	114		70 (50)	130 (163)
		Dibromofluoromethane	50	50.2	100		70 (54)	130 (147)
		Toluene-d8	50	51.6	103		70 (58)	130 (134)
		4-Bromofluorobenzene	50	44.0	88		70 (29)	130 (146)
VY1028SBL01	VY1028SBL01	1,2-Dichloroethane-d4	50	57.0	114		70 (50)	130 (163)
		Dibromofluoromethane	50	49.6	99		70 (54)	130 (147)
		Toluene-d8	50	50.1	100		70 (58)	130 (134)
		4-Bromofluorobenzene	50	39.5	79		70 (29)	130 (146)
VY1028SBS01	VY1028SBS01	1,2-Dichloroethane-d4	50	52.2	104		70 (50)	130 (163)
		Dibromofluoromethane	50	55.0	110		70 (54)	130 (147)
		Toluene-d8	50	53.8	107		70 (58)	130 (134)
		4-Bromofluorobenzene	50	52.5	105		70 (29)	130 (146)
VY1028SBSD01	VY1028SBSD01	1,2-Dichloroethane-d4	50	47.0	94		70 (50)	130 (163)
		Dibromofluoromethane	50	49.8	100		70 (54)	130 (147)
		Toluene-d8	50	47.1	94		70 (58)	130 (134)
		4-Bromofluorobenzene	50	47.0	94		70 (29)	130 (146)
VY1029SBL01	VY1029SBL01	1,2-Dichloroethane-d4	50	55.3	111		70 (50)	130 (163)
		Dibromofluoromethane	50	49.6	99		70 (54)	130 (147)
		Toluene-d8	50	50.6	101		70 (58)	130 (134)
		4-Bromofluorobenzene	50	39.5	79		70 (29)	130 (146)
VY1029SBS01	VY1029SBS01	1,2-Dichloroethane-d4	50	51.8	104		70 (50)	130 (163)
		Dibromofluoromethane	50	51.2	102		70 (54)	130 (147)
		Toluene-d8	50	50.3	101		70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.0	100		70 (29)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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

Surrogate Summary

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4578-01	WB-305-SW	1,2-Dichloroethane-d4	50	44.0	88	70 (74)	130 (125)
		Dibromofluoromethane	50	46.8	94	70 (75)	130 (124)
		Toluene-d8	50	51.0	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.6	95	70 (77)	130 (121)
P4578-02	WB-305-SW-1	1,2-Dichloroethane-d4	50	43.3	87	70 (74)	130 (125)
		Dibromofluoromethane	50	46.0	92	70 (75)	130 (124)
		Toluene-d8	50	50.2	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.5	93	70 (77)	130 (121)
P4578-09	TB-10252024	1,2-Dichloroethane-d4	50	44.3	89	70 (74)	130 (125)
		Dibromofluoromethane	50	45.3	91	70 (75)	130 (124)
		Toluene-d8	50	49.8	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.6	91	70 (77)	130 (121)
VX1029WBL01	VX1029WBL01	1,2-Dichloroethane-d4	50	43.4	87	70 (74)	130 (125)
		Dibromofluoromethane	50	45.5	91	70 (75)	130 (124)
		Toluene-d8	50	50.5	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.6	101	70 (77)	130 (121)
VX1029WBS01	VX1029WBS01	1,2-Dichloroethane-d4	50	42.1	84	70 (74)	130 (125)
		Dibromofluoromethane	50	46.6	93	70 (75)	130 (124)
		Toluene-d8	50	48.3	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94	70 (77)	130 (121)
VX1029WBSD0	VX1029WBSD01	1,2-Dichloroethane-d4	50	42.9	86	70 (74)	130 (125)
		Dibromofluoromethane	50	47.2	94	70 (75)	130 (124)
		Toluene-d8	50	50.0	100	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.0	100	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX043586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1029WBS01	Dichlorodifluoromethane	20	18.5	ug/L	93			40 (69)	160 (116)	
	Chloromethane	20	16.0	ug/L	80			40 (65)	160 (116)	
	Vinyl chloride	20	18.2	ug/L	91			70 (65)	130 (117)	
	Bromomethane	20	17.4	ug/L	87			40 (58)	160 (125)	
	Chloroethane	20	19.0	ug/L	95			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.7	ug/L	104			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/L	107			70 (80)	130 (112)	
	1,1-Dichloroethene	20	19.4	ug/L	97			70 (74)	130 (110)	
	Acetone	100	92.3	ug/L	92			40 (60)	160 (125)	
	Carbon disulfide	20	18.2	ug/L	91			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.4	ug/L	87			70 (78)	130 (114)	
	Methyl Acetate	20	16.1	ug/L	81			70 (67)	130 (125)	
	Methylene Chloride	20	17.1	ug/L	86			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.3	ug/L	97			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.9	ug/L	90			70 (78)	130 (112)	
	Cyclohexane	20	20.3	ug/L	102			70 (75)	130 (110)	
	2-Butanone	100	86.1	ug/L	86			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.1	ug/L	101			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.4	ug/L	92			70 (77)	130 (110)	
	Bromochloromethane	20	17.5	ug/L	88			70 (70)	130 (124)	
	Chloroform	20	18.1	ug/L	91			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			70 (80)	130 (108)	
	Methylcyclohexane	20	21.3	ug/L	106			70 (72)	130 (115)	
	Benzene	20	18.9	ug/L	95			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.3	ug/L	92			70 (80)	130 (115)	
	Trichloroethene	20	19.6	ug/L	98			70 (77)	130 (113)	
	1,2-Dichloropropane	20	18.2	ug/L	91			70 (83)	130 (111)	
	Bromodichloromethane	20	18.3	ug/L	92			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	90.2	ug/L	90			40 (74)	160 (118)	
	Toluene	20	19.9	ug/L	100			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	17.7	ug/L	89			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.5	ug/L	98			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	18.8	ug/L	94			70 (83)	130 (112)	
	2-Hexanone	100	91.2	ug/L	91			40 (73)	160 (117)	
	Dibromochloromethane	20	18.7	ug/L	94			70 (82)	130 (110)	
	1,2-Dibromoethane	20	18.5	ug/L	93			70 (81)	130 (110)	
	Tetrachloroethene	20	21.2	ug/L	106			70 (67)	130 (123)	
	Chlorobenzene	20	19.4	ug/L	97			70 (82)	130 (109)	
	Ethyl Benzene	20	20.2	ug/L	101			70 (83)	130 (109)	
	m/p-Xylenes	40	40.6	ug/L	102			70 (82)	130 (110)	
	o-Xylene	20	20.1	ug/L	101			70 (83)	130 (109)	
	Styrene	20	20.2	ug/L	101			70 (80)	130 (111)	
	Bromoform	20	17.8	ug/L	89			70 (79)	130 (109)	
	Isopropylbenzene	20	20.5	ug/L	103			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.3	ug/L	97			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.3	ug/L	97			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX043586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1029WBS01	1,2-Dibromo-3-Chloropropane	20	16.5	ug/L	83			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.2	ug/L	96			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX043587.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1029WBSD01	Dichlorodifluoromethane	20	18.2	ug/L	91	2		40 (69)	160 (116)	20 (20)
	Chloromethane	20	16.6	ug/L	83	4		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.1	ug/L	91	0		70 (65)	130 (117)	20 (20)
	Bromomethane	20	18.6	ug/L	93	7		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.9	ug/L	95	0		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	20.6	ug/L	103	1		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.8	ug/L	99	8		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	19.1	ug/L	96	1		70 (74)	130 (110)	20 (20)
	Acetone	100	95.8	ug/L	96	4		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.1	ug/L	91	0		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	17.9	ug/L	90	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	17.1	ug/L	86	6		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	17.0	ug/L	85	1		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.7	ug/L	94	3		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	18.4	ug/L	92	2		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.1	ug/L	101	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	91.3	ug/L	91	6		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	20.0	ug/L	100	1		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	18.6	ug/L	93	1		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	18.8	ug/L	94	7		70 (70)	130 (124)	20 (20)
	Chloroform	20	18.3	ug/L	92	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.1	ug/L	96	1		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	21.0	ug/L	105	1		70 (72)	130 (115)	20 (20)
	Benzene	20	19.5	ug/L	98	3		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.2	ug/L	96	4		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.5	ug/L	98	0		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	19.1	ug/L	96	5		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	18.9	ug/L	95	3		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	98.8	ug/L	99	10		40 (74)	160 (118)	20 (20)
	Toluene	20	20.2	ug/L	101	1		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	19.1	ug/L	96	8		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.1	ug/L	101	3		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	20.3	ug/L	102	8		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	100	ug/L	100	9		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	19.6	ug/L	98	4		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.7	ug/L	99	6		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	21.1	ug/L	106	0		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	19.8	ug/L	99	2		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	20.2	ug/L	101	0		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	41.9	ug/L	105	3		70 (82)	130 (110)	20 (20)
	o-Xylene	20	20.8	ug/L	104	3		70 (83)	130 (109)	20 (20)
	Styrene	20	20.5	ug/L	103	2		70 (80)	130 (111)	20 (20)
	Bromoform	20	18.8	ug/L	94	5		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.5	ug/L	103	0		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	19.6	ug/L	98	5		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.0	ug/L	100	1		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.1	ug/L	96	1		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	20.1	ug/L	101	4		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VX043587.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX1029WBSD01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/L	94	12		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.2	ug/L	96	0		70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96	1		70 (76)	130 (114)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020031.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1028SBS01	Dichlorodifluoromethane	20	16.9	ug/Kg	85			40 (64)	160 (136)	
	Chloromethane	20	16.0	ug/Kg	80			40 (70)	160 (130)	
	Vinyl chloride	20	17.8	ug/Kg	89			70 (72)	130 (129)	
	Bromomethane	20	18.4	ug/Kg	92			40 (58)	160 (141)	
	Chloroethane	20	19.2	ug/Kg	96			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.2	ug/Kg	96			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.2	ug/Kg	91			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	10.9	ug/Kg	54			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96			70 (77)	130 (129)	
	Methyl Acetate	20	18.5	ug/Kg	93			70 (69)	130 (149)	
	Methylene Chloride	20	19.5	ug/Kg	98			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	17.8	ug/Kg	89			70 (80)	130 (123)	
	1,1-Dichloroethane	20	22.3	ug/Kg	112			70 (82)	130 (123)	
	Cyclohexane	20	17.6	ug/Kg	88			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.8	ug/Kg	104			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	Bromochloromethane	20	19.7	ug/Kg	99			70 (80)	130 (127)	
	Chloroform	20	22.7	ug/Kg	114			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	22.2	ug/Kg	111			70 (80)	130 (126)	
	Methylcyclohexane	20	17.2	ug/Kg	86			70 (77)	130 (123)	
	Benzene	20	19.8	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.3	ug/Kg	102			70 (81)	130 (126)	
	Trichloroethene	20	19.4	ug/Kg	97			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	Bromodichloromethane	20	21.9	ug/Kg	110			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	95.9	ug/Kg	96			40 (70)	160 (135)	
	Toluene	20	20.4	ug/Kg	102			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.3	ug/Kg	106			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.4	ug/Kg	102			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.0	ug/Kg	95			70 (80)	130 (125)	
	Tetrachloroethene	20	18.9	ug/Kg	95			70 (83)	130 (125)	
	Chlorobenzene	20	20.9	ug/Kg	104			70 (84)	130 (122)	
	Ethyl Benzene	20	21.5	ug/Kg	108			70 (82)	130 (124)	
	m/p-Xylenes	40	42.1	ug/Kg	105			70 (83)	130 (124)	
	o-Xylene	20	21.1	ug/Kg	106			70 (83)	130 (123)	
	Styrene	20	21.5	ug/Kg	108			70 (82)	130 (124)	
	Bromoform	20	20.0	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	20	22.4	ug/Kg	112			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	21.3	ug/Kg	106			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.6	ug/Kg	108			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020031.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1028SBS01	1,2-Dibromo-3-Chloropropane	20	18.2	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.5	ug/Kg	93			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	17.8	ug/Kg	89			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020032.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1028SBSD01	Dichlorodifluoromethane	20	16.6	ug/Kg	83	2		40 (64)	160 (136)	30 (20)
	Chloromethane	20	16.3	ug/Kg	81	1		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	17.1	ug/Kg	86	3		70 (72)	130 (129)	30 (20)
	Bromomethane	20	18.9	ug/Kg	95	3		40 (58)	160 (141)	30 (20)
	Chloroethane	20	18.8	ug/Kg	94	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	18.9	ug/Kg	95	1		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100	6		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	17.6	ug/Kg	88	3		70 (79)	130 (121)	30 (20)
	Acetone	100	130	ug/Kg	130	17		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	10.4	ug/Kg	52	4		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.1	ug/Kg	106	10		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.9	ug/Kg	104	11		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.9	ug/Kg	100	2		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	17.3	ug/Kg	86	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.6	ug/Kg	108	4		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	17.1	ug/Kg	86	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	120	ug/Kg	120	18		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.7	ug/Kg	104	0		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.8	ug/Kg	104	1		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	22.2	ug/Kg	111	11		70 (80)	130 (127)	30 (20)
	Chloroform	20	22.7	ug/Kg	114	0		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106	5		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	17.0	ug/Kg	85	1		70 (77)	130 (123)	30 (20)
	Benzene	20	20.1	ug/Kg	101	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	21.4	ug/Kg	107	5		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	19.0	ug/Kg	95	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	22.0	ug/Kg	110	4		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	22.7	ug/Kg	114	4		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	14		40 (70)	160 (135)	30 (20)
	Toluene	20	20.4	ug/Kg	102	0		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102	4		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103	6		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.0	ug/Kg	110	4		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	120	ug/Kg	120	18		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.5	ug/Kg	108	6		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.1	ug/Kg	101	6		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	19.0	ug/Kg	95	0		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.4	ug/Kg	107	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	21.5	ug/Kg	108	0		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	41.5	ug/Kg	104	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	21.1	ug/Kg	106	0		70 (83)	130 (123)	30 (20)
	Styrene	20	21.7	ug/Kg	109	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.2	ug/Kg	106	6		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.3	ug/Kg	106	6		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	22.4	ug/Kg	112	6		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	21.0	ug/Kg	105	1		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	21.2	ug/Kg	106	0		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	21.6	ug/Kg	108	0		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020032.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1028SBSD01	1,2-Dibromo-3-Chloropropane	20	21.7	ug/Kg	109	18		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102	9		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.8	ug/Kg	104	16		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020051.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1029SBS01	Dichlorodifluoromethane	20	14.9	ug/Kg	75			40 (64)	160 (136)	
	Chloromethane	20	15.7	ug/Kg	79			40 (70)	160 (130)	
	Vinyl chloride	20	17.8	ug/Kg	89			70 (72)	130 (129)	
	Bromomethane	20	18.5	ug/Kg	93			40 (58)	160 (141)	
	Chloroethane	20	19.7	ug/Kg	99			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.3	ug/Kg	97			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.3	ug/Kg	102			70 (81)	130 (123)	
	1,1-Dichloroethene	20	17.4	ug/Kg	87			70 (79)	130 (121)	
	Acetone	100	140	ug/Kg	140			40 (60)	160 (131)	
	Carbon disulfide	20	10.2	ug/Kg	51			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.2	ug/Kg	106			70 (77)	130 (129)	
	Methyl Acetate	20	21.6	ug/Kg	108			70 (69)	130 (149)	
	Methylene Chloride	20	21.8	ug/Kg	109			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	17.6	ug/Kg	88			70 (80)	130 (123)	
	1,1-Dichloroethane	20	22.3	ug/Kg	112			70 (82)	130 (123)	
	Cyclohexane	20	16.9	ug/Kg	85			70 (76)	130 (122)	
	2-Butanone	100	130	ug/Kg	130			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			70 (82)	130 (123)	
	Bromochloromethane	20	23.4	ug/Kg	117			70 (80)	130 (127)	
	Chloroform	20	23.3	ug/Kg	117			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.7	ug/Kg	109			70 (80)	130 (126)	
	Methylcyclohexane	20	16.1	ug/Kg	81			70 (77)	130 (123)	
	Benzene	20	19.9	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichloroethane	20	21.0	ug/Kg	105			70 (81)	130 (126)	
	Trichloroethene	20	18.6	ug/Kg	93			70 (83)	130 (122)	
	1,2-Dichloropropane	20	22.5	ug/Kg	113			70 (83)	130 (122)	
	Bromodichloromethane	20	22.5	ug/Kg	113			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	120	ug/Kg	120			40 (70)	160 (135)	
	Toluene	20	20.4	ug/Kg	102			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.6	ug/Kg	103			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	22.8	ug/Kg	114			70 (82)	130 (125)	
	2-Hexanone	100	130	ug/Kg	130			40 (66)	160 (138)	
	Dibromochloromethane	20	21.7	ug/Kg	109			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.9	ug/Kg	104			70 (80)	130 (125)	
	Tetrachloroethene	20	17.8	ug/Kg	89			70 (83)	130 (125)	
	Chlorobenzene	20	20.3	ug/Kg	102			70 (84)	130 (122)	
	Ethyl Benzene	20	20.6	ug/Kg	103			70 (82)	130 (124)	
	m/p-Xylenes	40	40.8	ug/Kg	102			70 (83)	130 (124)	
	o-Xylene	20	20.2	ug/Kg	101			70 (83)	130 (123)	
	Styrene	20	21.2	ug/Kg	106			70 (82)	130 (124)	
	Bromoform	20	21.7	ug/Kg	109			70 (75)	130 (127)	
	Isopropylbenzene	20	21.4	ug/Kg	107			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	23.9	ug/Kg	119			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.2	ug/Kg	106			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	21.4	ug/Kg	107			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.6	ug/Kg	108			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4578

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020051.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1029SBS01	1,2-Dibromo-3-Chloropropane	20	22.3	ug/Kg	112			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1029WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VX043585.D Lab Sample ID: VX1029WBL01

Date Analyzed: 10/29/2024 Time Analyzed: 10:31

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
VX1029WBS01	VX1029WBS01	VX043586.D	10/29/2024
VX1029WBSD01	VX1029WBSD01	VX043587.D	10/29/2024
TB-10252024	P4578-09	VX043591.D	10/29/2024
WB-305-SW	P4578-01	VX043597.D	10/29/2024
WB-305-SW-1	P4578-02	VX043598.D	10/29/2024

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1028SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VY020030.D Lab Sample ID: VY1028SBL01

Date Analyzed: 10/28/2024 Time Analyzed: 09:58

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
VY1028SBS01	VY1028SBS01	VY020031.D	10/28/2024
VY1028SBSD01	VY1028SBSD01	VY020032.D	10/28/2024
WB-305-TOP	P4578-03	VY020033.D	10/28/2024
WB-305-TOP-1	P4578-04	VY020034.D	10/28/2024
WB-305-BOT-1	P4578-07	VY020035.D	10/28/2024

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1029SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VY020050.D Lab Sample ID: VY1029SBL01

Date Analyzed: 10/29/2024 Time Analyzed: 10:01

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
VY1029SBS01	VY1029SBS01	VY020051.D	10/29/2024
WB-305-BOT	P4578-05	VY020062.D	10/29/2024

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VX043555.D BFB Injection Date: 10/28/2024

Instrument ID: MSVOA_X BFB Injection Time: 10:09

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	17.8
75	30.0 - 60.0% of mass 95	50.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	71.2
175	5.0 - 9.0% of mass 174	5.6 (7.9) 1
176	95.0 - 101.0% of mass 174	68.9 (96.7) 1
177	5.0 - 9.0% of mass 176	4.1 (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
VSTDICC001	VSTDICC001	VX043556.D	10/28/2024	10:59
VSTDICC005	VSTDICC005	VX043557.D	10/28/2024	11:22
VSTDICC020	VSTDICC020	VX043558.D	10/28/2024	11:45
VSTDICCC050	VSTDICCC050	VX043559.D	10/28/2024	12:08
VSTDICC100	VSTDICC100	VX043560.D	10/28/2024	12:31
VSTDICC150	VSTDICC150	VX043561.D	10/28/2024	12:54

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VX043582.D BFB Injection Date: 10/29/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:30

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	16.5
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.5 (96.2) 1
177	5.0 - 9.0% of mass 176	4.7 (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	VX043583.D	10/29/2024	09:29
VX1029WBL01	VX1029WBL01	VX043585.D	10/29/2024	10:31
VX1029WBS01	VX1029WBS01	VX043586.D	10/29/2024	10:57
VX1029WBSD01	VX1029WBSD01	VX043587.D	10/29/2024	11:20
TB-10252024	P4578-09	VX043591.D	10/29/2024	12:56
WB-305-SW	P4578-01	VX043597.D	10/29/2024	15:15
WB-305-SW-1	P4578-02	VX043598.D	10/29/2024	15:38

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VY019826.D BFB Injection Date: 10/09/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:33

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	22.4
75	30.0 - 60.0% of mass 95	56
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	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	76.9
175	5.0 - 9.0% of mass 174	5.6 (7.3) 1
176	95.0 - 101.0% of mass 174	73.9 (96.2) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY019827.D	10/09/2024	10:18
VSTDICC010	VSTDICC010	VY019828.D	10/09/2024	10:41
VSTDICC020	VSTDICC020	VY019829.D	10/09/2024	11:04
VSTDICCC050	VSTDICCC050	VY019830.D	10/09/2024	11:26
VSTDICC100	VSTDICC100	VY019831.D	10/09/2024	11:49
VSTDICC150	VSTDICC150	VY019832.D	10/09/2024	12:11

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VY020028.D BFB Injection Date: 10/28/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:55

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	24.5
75	30.0 - 60.0% of mass 95	57.6
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	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72
175	5.0 - 9.0% of mass 174	5.7 (7.9) 1
176	95.0 - 101.0% of mass 174	68.9 (95.8) 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	VY020029.D	10/28/2024	09:29
VY1028SBL01	VY1028SBL01	VY020030.D	10/28/2024	09:58
VY1028SBS01	VY1028SBS01	VY020031.D	10/28/2024	10:40
VY1028SBSD01	VY1028SBSD01	VY020032.D	10/28/2024	11:02
WB-305-TOP	P4578-03	VY020033.D	10/28/2024	11:56
WB-305-TOP-1	P4578-04	VY020034.D	10/28/2024	12:19
WB-305-BOT-1	P4578-07	VY020035.D	10/28/2024	12:43

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VY020048.D BFB Injection Date: 10/29/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:58

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	24.9
75	30.0 - 60.0% of mass 95	59.2
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	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	71.8
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	68.4 (95.3) 1
177	5.0 - 9.0% of mass 176	4.8 (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	VY020049.D	10/29/2024	09:31
VY1029SBL01	VY1029SBL01	VY020050.D	10/29/2024	10:01
VY1029SBS01	VY1029SBS01	VY020051.D	10/29/2024	11:04
WB-305-BOT	P4578-05	VY020062.D	10/29/2024	15:36

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VX043583.D Date Analyzed: 10/29/2024

Instrument ID: MSVOA_X Time Analyzed: 09:29

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	185040	5.54	317661	6.76	277122	10.06
UPPER LIMIT	370080	6.044	635322	7.257	554244	10.555
LOWER LIMIT	92520	5.044	158831	6.257	138561	9.555
EPA SAMPLE NO.						
WB-305-SW	142289	5.55	262462	6.76	231278	10.06
WB-305-SW-1	158213	5.55	288734	6.76	248859	10.06
TB-10252024	156843	5.54	288755	6.76	251324	10.06
VX1029WBL01	160199	5.55	295395	6.76	265502	10.06
VX1029WBS01	202431	5.54	352202	6.76	294857	10.06
VX1029WBSD01	180366	5.55	312050	6.76	270005	10.06

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VX043583.D Date Analyzed: 10/29/2024

Instrument ID: MSVOA_X Time Analyzed: 09:29

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

	IS4 AREA #	RT #				
12 HOUR STD	136145	12.018				
UPPER LIMIT	272290	12.518				
LOWER LIMIT	68072.5	11.518				
EPA SAMPLE NO.						
WB-305-SW	100896	12.02				
WB-305-SW-1	107787	12.02				
TB-10252024	105429	12.02				
VX1029WBL01	128354	12.02				
VX1029WBS01	142936	12.02				
VX1029WBSD01	131226	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VY020029.D Date Analyzed: 10/28/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:29

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	206029		7.72	357320		8.63	306579		11.42
UPPER LIMIT	412058		8.219	714640		9.127	613158		11.92
LOWER LIMIT	103015		7.219	178660		8.127	153290		10.92
EPA SAMPLE NO.									
WB-305-TOP	27473	*	7.71	45281	*	8.62	32489	*	11.42
WB-305-TOP-1	189016		7.71	386680		8.62	354785		11.41
WB-305-BOT-1	212409		7.71	437109		8.62	398917		11.41
VY1028SBL01	207569		7.72	438255		8.62	384846		11.42
VY1028SBS01	208423		7.72	369952		8.62	306417		11.42
VY1028SBSD01	200597		7.71	351453		8.62	295814		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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VY020029.D Date Analyzed: 10/28/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:29

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

	IS4 AREA #		RT #				
12 HOUR STD	147527		13.352				
UPPER LIMIT	295054		13.852				
LOWER LIMIT	73763.5		12.852				
EPA SAMPLE NO.							
WB-305-TOP	8668	*	13.36				
WB-305-TOP-1	133013		13.35				
WB-305-BOT-1	145301		13.35				
VY1028SBL01	125121		13.35				
VY1028SBS01	143516		13.35				
VY1028SBSD01	146119		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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VY020049.D Date Analyzed: 10/29/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:31

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	196359	7.72	345491	8.62	298572	11.42
UPPER LIMIT	392718	8.219	690982	9.122	597144	11.92
LOWER LIMIT	98179.5	7.219	172746	8.122	149286	10.92
EPA SAMPLE NO.						
WB-305-BOT	171253	7.71	364648	8.62	339109	11.41
VY1029SBL01	196117	7.71	412090	8.62	365725	11.42
VY1029SBS01	186283	7.72	334192	8.62	285725	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG NO.: P4578

Lab File ID: VY020049.D Date Analyzed: 10/29/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:31

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

	IS4 AREA #	RT #				
12 HOUR STD	148124	13.352				
UPPER LIMIT	296248	13.852				
LOWER LIMIT	74062	12.852				
EPA SAMPLE NO.						
WB-305-BOT	127440	13.35				
VY1029SBL01	118867	13.35				
VY1029SBS01	134900	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Raw Data: **VX043585.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VX1029WBL01	SDG No.:	P4578
Lab Sample ID:	VX1029WBL01	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
VX043585.D	1		10/29/24 10:31	VX102924

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VX1029WBL01	SDG No.:	P4578
Lab Sample ID:	VX1029WBL01	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
VX043585.D	1		10/29/24 10:31	VX102924

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	43.4		70 (74) - 130 (125)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		70 (75) - 130 (124)	91%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	160000	5.55			
540-36-3	1,4-Difluorobenzene	295000	6.757			
3114-55-4	Chlorobenzene-d5	266000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	128000	12.018			

Raw Data: **VX043585.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VX1029WBL01	SDG No.:	P4578
Lab Sample ID:	VX1029WBL01	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
VX043585.D	1		10/29/24 10:31	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1028SBL01	SDG No.:	P4578
Lab Sample ID:	VY1028SBL01	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
VY020030.D	1		10/28/24 09:58	VY102824

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1028SBL01	SDG No.:	P4578
Lab Sample ID:	VY1028SBL01	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
VY020030.D	1		10/28/24 09:58	VY102824

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	57.0		70 (50) - 130 (163)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		70 (29) - 130 (146)	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	208000	7.719			
540-36-3	1,4-Difluorobenzene	438000	8.621			
3114-55-4	Chlorobenzene-d5	385000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.352			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1028SBL01	SDG No.:	P4578
Lab Sample ID:	VY1028SBL01	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
VY020030.D	1		10/28/24 09:58	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1029SBL01	SDG No.:	P4578
Lab Sample ID:	VY1029SBL01	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
VY020050.D	1		10/29/24 10:01	VY102924

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1029SBL01	SDG No.:	P4578
Lab Sample ID:	VY1029SBL01	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
VY020050.D	1		10/29/24 10:01	VY102924

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	55.3		70 (50) - 130 (163)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (54) - 130 (147)	99%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		70 (29) - 130 (146)	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	7.713			
540-36-3	1,4-Difluorobenzene	412000	8.622			
3114-55-4	Chlorobenzene-d5	366000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	119000	13.346			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1029SBL01	SDG No.:	P4578
Lab Sample ID:	VY1029SBL01	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
VY020050.D	1		10/29/24 10:01	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **VX043586.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VX1029WBS01	SDG No.:	P4578
Lab Sample ID:	VX1029WBS01	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
VX043586.D	1		10/29/24 10:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.5		0.21	1.00	ug/L
74-87-3	Chloromethane	16.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.2		0.34	1.00	ug/L
74-83-9	Bromomethane	17.4		1.40	5.00	ug/L
75-00-3	Chloroethane	19.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.7		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.26	1.00	ug/L
67-64-1	Acetone	92.3		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.1		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.1		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.3		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.3		1.60	5.00	ug/L
78-93-3	2-Butanone	86.1		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.25	1.00	ug/L
74-97-5	Bromochloromethane	17.5		0.18	1.00	ug/L
67-66-3	Chloroform	18.1		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.3		0.19	1.00	ug/L
71-43-2	Benzene	18.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.2		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	90.2		0.75	5.00	ug/L
108-88-3	Toluene	19.9		0.18	1.00	ug/L

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VX1029WBS01	SDG No.:	P4578
Lab Sample ID:	VX1029WBS01	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
VX043586.D	1		10/29/24 10:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.7		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.5		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.8		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.2		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	18.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.5		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.2		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.4		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.6		0.31	2.00	ug/L
95-47-6	o-Xylene	20.1		0.14	1.00	ug/L
100-42-5	Styrene	20.2		0.16	1.00	ug/L
75-25-2	Bromoform	17.8		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.3		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.2		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.9		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.1		70 (74) - 130 (125)	84%	SPK: 50
1868-53-7	Dibromofluoromethane	46.6		70 (75) - 130 (124)	93%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	202000	5.544			
540-36-3	1,4-Difluorobenzene	352000	6.757			
3114-55-4	Chlorobenzene-d5	295000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	143000	12.018			

Raw Data: **VX043586.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VX1029WBS01	SDG No.:	P4578
Lab Sample ID:	VX1029WBS01	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
VX043586.D	1		10/29/24 10:57	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1028SBS01	SDG No.:	P4578
Lab Sample ID:	VY1028SBS01	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
VY020031.D	1		10/28/24 10:40	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.9		1.70	5.00	ug/Kg
74-87-3	Chloromethane	16.0		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	18.4		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.2		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.2		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.2		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	10.9		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.1		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.5		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.8		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.3		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.6		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.8		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	19.7		2.40	5.00	ug/Kg
67-66-3	Chloroform	22.7		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.2		0.87	5.00	ug/Kg
71-43-2	Benzene	19.8		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.3		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.9		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.9		4.40	25.0	ug/Kg
108-88-3	Toluene	20.4		0.67	5.00	ug/Kg

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1028SBS01	SDG No.:	P4578
Lab Sample ID:	VY1028SBS01	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
VY020031.D	1		10/28/24 10:40	VY102824

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	19.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.3		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.0		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.9		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.5		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.1		0.70	5.00	ug/Kg
100-42-5	Styrene	21.5		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.0		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.4		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.3		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.3		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.5		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.2		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	54.9		70 (54) - 130 (147)	110%	SPK: 50
2037-26-5	Toluene-d8	53.7		70 (58) - 130 (134)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		70 (29) - 130 (146)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	208000	7.719			
540-36-3	1,4-Difluorobenzene	370000	8.621			
3114-55-4	Chlorobenzene-d5	306000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.352			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1028SBS01	SDG No.:	P4578
Lab Sample ID:	VY1028SBS01	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
VY020031.D	1		10/28/24 10:40	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1029SBS01	SDG No.:	P4578
Lab Sample ID:	VY1029SBS01	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
VY020051.D	1		10/29/24 11:04	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	14.9		1.70	5.00	ug/Kg
74-87-3	Chloromethane	15.7		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	18.5		1.00	5.00	ug/Kg
75-00-3	Chloroethane	19.7		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.3		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	17.4		0.78	5.00	ug/Kg
67-64-1	Acetone	140		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	10.2		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.2		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.6		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.8		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.6		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.3		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	16.9		0.69	5.00	ug/Kg
78-93-3	2-Butanone	130		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	23.4		2.40	5.00	ug/Kg
67-66-3	Chloroform	23.3		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.1		0.87	5.00	ug/Kg
71-43-2	Benzene	19.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.0		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.5		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	120		4.40	25.0	ug/Kg
108-88-3	Toluene	20.4		0.67	5.00	ug/Kg

Raw Data: **VY020051.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1029SBS01	SDG No.:	P4578
Lab Sample ID:	VY1029SBS01	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
VY020051.D	1		10/29/24 11:04	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.4		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.6		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.8		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	130		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.7		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	17.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.6		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.8		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.2		0.70	5.00	ug/Kg
100-42-5	Styrene	21.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.4		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.2		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.4		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.3		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (54) - 130 (147)	102%	SPK: 50
2037-26-5	Toluene-d8	50.3		70 (58) - 130 (134)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (29) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	7.72			
540-36-3	1,4-Difluorobenzene	334000	8.622			
3114-55-4	Chlorobenzene-d5	286000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.347			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1029SBS01	SDG No.:	P4578
Lab Sample ID:	VY1029SBS01	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
VY020051.D	1		10/29/24 11:04	VY102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **VX043587.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VX1029WBSD01	SDG No.:	P4578
Lab Sample ID:	VX1029WBSD01	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
VX043587.D	1		10/29/24 11:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.2		0.21	1.00	ug/L
74-87-3	Chloromethane	16.6		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.34	1.00	ug/L
74-83-9	Bromomethane	18.6		1.40	5.00	ug/L
75-00-3	Chloroethane	18.9		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.6		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.8		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.26	1.00	ug/L
67-64-1	Acetone	95.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.1		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	17.1		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.0		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.4		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.1		1.60	5.00	ug/L
78-93-3	2-Butanone	91.3		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.6		0.25	1.00	ug/L
74-97-5	Bromochloromethane	18.8		0.18	1.00	ug/L
67-66-3	Chloroform	18.3		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.1		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.0		0.19	1.00	ug/L
71-43-2	Benzene	19.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.5		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	18.9		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.8		0.75	5.00	ug/L
108-88-3	Toluene	20.2		0.18	1.00	ug/L

Raw Data: **VX043587.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VX1029WBSD01	SDG No.:	P4578
Lab Sample ID:	VX1029WBSD01	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
VX043587.D	1		10/29/24 11:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.1		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.1		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	21.1		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	41.9		0.31	2.00	ug/L
95-47-6	o-Xylene	20.8		0.14	1.00	ug/L
100-42-5	Styrene	20.5		0.16	1.00	ug/L
75-25-2	Bromoform	18.8		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	20.5		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.6		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.1		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.1		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.2		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.1		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.9		70 (74) - 130 (125)	86%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	5.55			
540-36-3	1,4-Difluorobenzene	312000	6.757			
3114-55-4	Chlorobenzene-d5	270000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	131000	12.024			

Raw Data: **VX043587.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VX1029WBSD01	SDG No.:	P4578
Lab Sample ID:	VX1029WBSD01	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
VX043587.D	1		10/29/24 11:20	VX102924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1028SBSD01	SDG No.:	P4578
Lab Sample ID:	VY1028SBSD01	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
VY020032.D	1		10/28/24 11:02	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	16.6		1.70	5.00	ug/Kg
74-87-3	Chloromethane	16.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.1		0.77	5.00	ug/Kg
74-83-9	Bromomethane	18.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	18.8		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.9		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	17.6		0.78	5.00	ug/Kg
67-64-1	Acetone	130		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	10.4		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.1		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.9		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.3		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.1		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.8		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	22.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	22.7		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.1		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.0		0.87	5.00	ug/Kg
71-43-2	Benzene	20.1		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.4		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.0		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.4		0.67	5.00	ug/Kg

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1028SBSD01	SDG No.:	P4578
Lab Sample ID:	VY1028SBSD01	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
VY020032.D	1		10/28/24 11:02	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.4		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.6		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	120		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.5		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.1		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.0		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.4		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.5		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.1		0.70	5.00	ug/Kg
100-42-5	Styrene	21.7		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.3		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	22.4		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.0		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.2		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.7		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.0		70 (50) - 130 (163)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	47.1		70 (58) - 130 (134)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		70 (29) - 130 (146)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	7.713			
540-36-3	1,4-Difluorobenzene	351000	8.622			
3114-55-4	Chlorobenzene-d5	296000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.346			

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1028SBSD01	SDG No.:	P4578
Lab Sample ID:	VY1028SBSD01	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
VY020032.D	1		10/28/24 11:02	VY102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54

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

LAB FILE ID: RRF001 = VX043556.D RRF005 = VX043557.D RRF020 = VX043558.D
RRF050 = VX043559.D RRF100 = VX043560.D RRF150 = VX043561.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.589	0.553	0.552	0.506	0.522	0.485	0.535	7
Chloromethane	0.795	0.703	0.678	0.651	0.662	0.612	0.684	9.1
Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.2
Bromomethane		0.267	0.246	0.262	0.260	0.258	0.259	2.9
Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	9
Trichlorofluoromethane	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.1
1,1,2-Trichlorotrifluoroethane	0.522	0.546	0.522	0.525	0.539	0.491	0.524	3.7
1,1-Dichloroethene	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.3
Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.2
Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.6
Methyl tert-butyl Ether	1.992	2.025	2.038	2.080	2.086	1.999	2.037	1.9
Methyl Acetate	0.970	0.926	0.880	0.926	0.945	0.904	0.925	3.4
Methylene Chloride	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.2
trans-1,2-Dichloroethene	0.559	0.557	0.577	0.562	0.594	0.546	0.566	3
1,1-Dichloroethane	1.103	1.105	1.103	1.109	1.135	1.048	1.101	2.6
Cyclohexane		0.860	0.885	0.839	0.857	0.768	0.842	5.3
2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.5
Carbon Tetrachloride	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.8
cis-1,2-Dichloroethene	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.3
Bromochloromethane	0.512	0.529	0.531	0.507	0.545	0.516	0.524	2.7
Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.8
1,1,1-Trichloroethane	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.3
Methylcyclohexane	0.475	0.509	0.515	0.510	0.512	0.473	0.499	3.9
Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	4
1,2-Dichloroethane	0.455	0.488	0.500	0.495	0.489	0.466	0.482	3.6
Trichloroethene	0.321	0.345	0.338	0.338	0.341	0.317	0.333	3.4
1,2-Dichloropropane	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.2
Bromodichloromethane	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10
4-Methyl-2-Pentanone	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8
Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.7

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54

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

LAB FILE ID: RRF001 = VX043556.D RRF005 = VX043557.D RRF020 = VX043558.D
RRF050 = VX043559.D RRF100 = VX043560.D RRF150 = VX043561.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.6
cis-1,3-Dichloropropene	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12
1,1,2-Trichloroethane	0.318	0.341	0.345	0.355	0.345	0.327	0.339	4.1
2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.3
Dibromochloromethane	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.4
1,2-Dibromoethane	0.314	0.351	0.361	0.367	0.369	0.346	0.351	5.8
Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.8
Chlorobenzene	1.098	1.110	1.083	1.075	1.081	1.007	1.076	3.3
Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.5
m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.2
o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.2
Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.8
Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.9
Isopropylbenzene	3.522	3.684	3.705	3.560	3.549	3.230	3.542	4.8
1,1,2,2-Tetrachloroethane	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.9
1,3-Dichlorobenzene	1.645	1.695	1.647	1.646	1.654	1.548	1.639	3
1,4-Dichlorobenzene	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.1
1,2-Dichlorobenzene	1.638	1.735	1.698	1.726	1.675	1.586	1.676	3.4
1,2-Dibromo-3-Chloropropane	0.229	0.220	0.256	0.281	0.291	0.281	0.260	11.5
1,2,4-Trichlorobenzene	0.865	1.008	0.999	1.080	1.099	1.052	1.017	8.3
1,2,3-Trichlorobenzene	0.976	1.057	1.077	1.101	1.146	1.080	1.073	5.3
1,2-Dichloroethane-d4		0.902	0.794	0.785	0.771	0.735	0.797	7.9
Dibromofluoromethane		0.358	0.337	0.336	0.342	0.323	0.339	3.7
Toluene-d8		1.255	1.206	1.175	1.159	1.072	1.174	5.8
4-Bromofluorobenzene		0.446	0.431	0.444	0.439	0.415	0.435	2.9

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.500	0.498	0.410	0.458	0.434	0.492	0.465	8.1
Chloromethane	0.643	0.637	0.517	0.616	0.550	0.671	0.606	9.8
Vinyl Chloride	0.707	0.685	0.579	0.688	0.624	0.716	0.667	8
Bromomethane	0.458	0.447	0.357	0.433	0.390	0.447	0.422	9.4
Chloroethane	0.493	0.469	0.390	0.456	0.408	0.472	0.448	8.9
Trichlorofluoromethane	1.101	1.016	0.868	1.000	0.915	1.051	0.992	8.7
1,1,2-Trichlorotrifluoroethane	0.619	0.611	0.509	0.581	0.535	0.606	0.577	7.8
1,1-Dichloroethene	0.588	0.558	0.453	0.550	0.499	0.570	0.536	9.4
Acetone	0.196	0.156	0.134	0.170	0.152	0.153	0.160	12.9
Carbon Disulfide	1.501	1.392	1.193	1.552	1.404	1.586	1.438	10
Methyl tert-butyl Ether	1.719	1.559	1.334	1.574	1.443	1.617	1.541	8.8
Methyl Acetate	0.393	0.334	0.301	0.350	0.321	0.372	0.345	9.7
Methylene Chloride	0.869	0.695	0.551	0.619	0.543	0.603	0.647	18.9
trans-1,2-Dichloroethene	0.630	0.597	0.511	0.605	0.547	0.612	0.584	7.7
1,1-Dichloroethane	1.288	1.219	1.025	1.202	1.084	1.214	1.172	8.3
Cyclohexane	1.262	1.098	0.863	1.009	0.915	1.024	1.029	13.8
2-Butanone	0.251	0.217	0.186	0.222	0.201	0.211	0.215	10.2
Carbon Tetrachloride	0.525	0.505	0.446	0.527	0.495	0.559	0.510	7.5
cis-1,2-Dichloroethene	0.777	0.766	0.628	0.740	0.669	0.749	0.721	8.2
Bromochloromethane	0.607	0.470	0.502	0.529	0.483	0.504	0.516	9.5
Chloroform	1.318	1.238	1.055	1.225	1.102	1.229	1.195	8.1
1,1,1-Trichloroethane	1.118	1.091	0.915	1.067	0.978	1.112	1.047	7.9
Methylcyclohexane	0.629	0.584	0.512	0.629	0.581	0.658	0.599	8.6
Benzene	1.512	1.474	1.283	1.488	1.361	1.514	1.439	6.6
1,2-Dichloroethane	0.448	0.399	0.368	0.430	0.398	0.436	0.413	7.3
Trichloroethene	0.381	0.340	0.300	0.366	0.333	0.370	0.348	8.7
1,2-Dichloropropane	0.390	0.375	0.322	0.366	0.337	0.371	0.360	7.1
Bromodichloromethane	0.549	0.524	0.456	0.543	0.501	0.560	0.522	7.4
4-Methyl-2-Pentanone	0.281	0.247	0.220	0.269	0.254	0.275	0.258	8.7
Toluene	0.930	0.892	0.800	0.940	0.866	0.960	0.898	6.5

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: MSVOA_Y Calibration Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:18 12:11

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

LAB FILE ID: RRF005 = VY019827.D RRF010 = VY019828.D RRF020 = VY019829.D
RRF050 = VY019830.D RRF100 = VY019831.D RRF150 = VY019832.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.477	0.448	0.408	0.497	0.464	0.524	0.470	8.6
cis-1,3-Dichloropropene	0.577	0.537	0.489	0.579	0.542	0.603	0.554	7.3
1,1,2-Trichloroethane	0.280	0.257	0.230	0.269	0.248	0.271	0.259	6.9
2-Hexanone	0.193	0.173	0.160	0.197	0.185	0.197	0.184	8.1
Dibromochloromethane	0.348	0.317	0.294	0.344	0.328	0.364	0.333	7.5
1,2-Dibromoethane	0.244	0.234	0.207	0.246	0.226	0.248	0.234	6.7
Tetrachloroethene	0.379	0.366	0.316	0.368	0.328	0.377	0.356	7.6
Chlorobenzene	1.226	1.167	1.032	1.171	1.064	1.202	1.144	6.8
Ethyl Benzene	2.177	2.100	1.861	2.164	1.953	2.209	2.077	6.7
m/p-Xylenes	0.802	0.781	0.691	0.796	0.720	0.813	0.767	6.5
o-Xylene	0.750	0.756	0.665	0.769	0.700	0.783	0.737	6.1
Styrene	1.276	1.238	1.120	1.304	1.191	1.333	1.244	6.3
Bromoform	0.208	0.198	0.180	0.220	0.204	0.232	0.207	8.7
Isopropylbenzene	4.420	4.371	3.794	4.268	3.912	4.470	4.206	6.7
1,1,2,2-Tetrachloroethane	0.796	0.737	0.664	0.763	0.719	0.805	0.747	7
1,3-Dichlorobenzene	1.968	1.892	1.598	1.819	1.651	1.887	1.802	8.1
1,4-Dichlorobenzene	1.928	1.831	1.572	1.801	1.635	1.856	1.771	7.8
1,2-Dichlorobenzene	1.716	1.620	1.416	1.612	1.474	1.663	1.584	7.3
1,2-Dibromo-3-Chloropropane	0.133	0.115	0.100	0.121	0.118	0.129	0.119	9.7
1,2,4-Trichlorobenzene	0.860	0.832	0.758	0.965	0.886	1.027	0.888	10.8
1,2,3-Trichlorobenzene	0.716	0.698	0.634	0.823	0.761	0.872	0.751	11.5
1,2-Dichloroethane-d4	0.701	0.656	0.566	0.581	0.583	0.607	0.616	8.5
Dibromofluoromethane	0.356	0.335	0.300	0.321	0.326	0.341	0.330	5.8
Toluene-d8	1.299	1.254	1.134	1.185	1.191	1.246	1.218	4.9
4-Bromofluorobenzene	0.498	0.438	0.402	0.426	0.427	0.450	0.440	7.4

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 09:29

Lab File ID: VX043583.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.535	0.520		-2.8	20
Chloromethane	0.684	0.597	0.1	-12.72	20
Vinyl Chloride	0.634	0.614		-3.31	20
Bromomethane	0.259	0.236		-8.88	20
Chloroethane	0.223	0.209		-6.28	20
Trichlorofluoromethane	0.775	0.759		-2.07	20
1,1,2-Trichlorotrifluoroethane	0.524	0.542		3.43	20
1,1-Dichloroethene	0.536	0.536		0	20
Acetone	0.317	0.297		-6.31	20
Carbon Disulfide	1.120	1.146		2.32	20
Methyl tert-butyl Ether	2.037	1.814		-10.95	20
Methyl Acetate	0.925	0.736		-20.43	20
Methylene Chloride	0.682	0.601		-11.88	20
trans-1,2-Dichloroethene	0.566	0.555		-1.94	20
1,1-Dichloroethane	1.101	1.028	0.1	-6.63	20
Cyclohexane	0.842	0.867		2.97	20
2-Butanone	0.462	0.403		-12.77	20
Carbon Tetrachloride	0.444	0.466		4.95	20
cis-1,2-Dichloroethene	0.723	0.687		-4.98	20
Bromochloromethane	0.524	0.462		-11.83	20
Chloroform	1.154	1.065		-7.71	20
1,1,1-Trichloroethane	0.969	0.948		-2.17	20
Methylcyclohexane	0.499	0.574		15.03	20
Benzene	1.341	1.333		-0.6	20
1,2-Dichloroethane	0.482	0.452		-6.22	20
Trichloroethene	0.333	0.351		5.41	20
1,2-Dichloropropane	0.330	0.327		-0.91	20
Bromodichloromethane	0.446	0.461		3.36	20
4-Methyl-2-Pentanone	0.492	0.451		-8.33	20
Toluene	0.813	0.854		5.04	20
t-1,3-Dichloropropene	0.479	0.490		2.3	20
cis-1,3-Dichloropropene	0.510	0.537		5.29	20
1,1,2-Trichloroethane	0.339	0.329		-2.95	20
2-Hexanone	0.374	0.352		-5.88	20
Dibromochloromethane	0.335	0.358		6.87	20
1,2-Dibromoethane	0.351	0.346		-1.42	20
Tetrachloroethene	0.314	0.333		6.05	20
Chlorobenzene	1.076	1.092	0.3	1.49	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: MSVOA_X Calibration Date/Time: 10/29/2024 09:29

Lab File ID: VX043583.D Init. Calib. Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 12:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.754	1.860		6.04	20
m/p-Xylenes	0.671	0.725		8.05	20
o-Xylene	0.674	0.708		5.05	20
Styrene	1.120	1.213		8.3	20
Bromoform	0.253	0.265	0.1	4.74	20
Isopropylbenzene	3.542	3.725		5.17	20
1,1,2,2-Tetrachloroethane	1.274	1.176	0.3	-7.69	20
1,3-Dichlorobenzene	1.639	1.707		4.15	20
1,4-Dichlorobenzene	1.699	1.695		-0.23	20
1,2-Dichlorobenzene	1.676	1.698		1.31	20
1,2-Dibromo-3-Chloropropane	0.260	0.235		-9.61	20
1,2,4-Trichlorobenzene	1.017	1.094		7.57	20
1,2,3-Trichlorobenzene	1.073	1.122		4.57	20
1,2-Dichloroethane-d4	0.797	0.708		-11.17	20
Dibromofluoromethane	0.339	0.345		1.77	20
Toluene-d8	1.174	1.260		7.32	20
4-Bromofluorobenzene	0.435	0.471		8.28	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: MSVOA_Y Calibration Date/Time: 10/28/2024 09:29

Lab File ID: VY020029.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.387		-16.77	20
Chloromethane	0.606	0.595	0.1	-1.82	20
Vinyl Chloride	0.667	0.667		0	20
Bromomethane	0.422	0.450		6.64	20
Chloroethane	0.448	0.484		8.04	20
Trichlorofluoromethane	0.992	0.996		0.4	20
1,1,2-Trichlorotrifluoroethane	0.577	0.592		2.6	20
1,1-Dichloroethene	0.536	0.519		-3.17	20
Acetone	0.160	0.184		15	20
Carbon Disulfide	1.438	1.190		-17.25	20
Methyl tert-butyl Ether	1.541	1.548		0.45	20
Methyl Acetate	0.345	0.377		9.27	20
Methylene Chloride	0.647	0.620		-4.17	20
trans-1,2-Dichloroethene	0.584	0.588		0.69	20
1,1-Dichloroethane	1.172	1.320	0.1	12.63	20
Cyclohexane	1.029	0.998		-3.01	20
2-Butanone	0.215	0.224		4.19	20
Carbon Tetrachloride	0.510	0.566		10.98	20
cis-1,2-Dichloroethene	0.721	0.773		7.21	20
Bromochloromethane	0.516	0.537		4.07	20
Chloroform	1.195	1.366		14.31	20
1,1,1-Trichloroethane	1.047	1.178		12.51	20
Methylcyclohexane	0.599	0.605		1	20
Benzene	1.439	1.597		10.98	20
1,2-Dichloroethane	0.413	0.447		8.23	20
Trichloroethene	0.348	0.373		7.18	20
1,2-Dichloropropane	0.360	0.410		13.89	20
Bromodichloromethane	0.522	0.599		14.75	20
4-Methyl-2-Pentanone	0.258	0.266		3.1	20
Toluene	0.898	1.015		13.03	20
t-1,3-Dichloropropene	0.470	0.510		8.51	20
cis-1,3-Dichloropropene	0.554	0.609		9.93	20
1,1,2-Trichloroethane	0.259	0.279		7.72	20
2-Hexanone	0.184	0.195		5.98	20
Dibromochloromethane	0.333	0.358		7.51	20
1,2-Dibromoethane	0.234	0.239		2.14	20
Tetrachloroethene	0.356	0.353		-0.84	20
Chlorobenzene	1.144	1.258	0.3	9.97	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: MSVOA_Y Calibration Date/Time: 10/28/2024 09:29

Lab File ID: VY020029.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.358		13.53	20
m/p-Xylenes	0.767	0.848		10.56	20
o-Xylene	0.737	0.809		9.77	20
Styrene	1.244	1.415		13.75	20
Bromoform	0.207	0.217	0.1	4.83	20
Isopropylbenzene	4.206	4.766		13.31	20
1,1,2,2-Tetrachloroethane	0.747	0.780	0.3	4.42	20
1,3-Dichlorobenzene	1.802	1.927		6.94	20
1,4-Dichlorobenzene	1.771	1.886		6.49	20
1,2-Dichlorobenzene	1.584	1.658		4.67	20
1,2-Dibromo-3-Chloropropane	0.119	0.112		-5.88	20
1,2,4-Trichlorobenzene	0.888	0.864		-2.7	20
1,2,3-Trichlorobenzene	0.751	0.715		-4.79	20
1,2-Dichloroethane-d4	0.616	0.615		-0.16	20
Dibromofluoromethane	0.330	0.356		7.88	20
Toluene-d8	1.218	1.274		4.6	20
4-Bromofluorobenzene	0.440	0.458		4.09	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: MSVOA_Y Calibration Date/Time: 10/29/2024 09:31

Lab File ID: VY020049.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.465	0.383		-17.63	20
Chloromethane	0.606	0.593	0.1	-2.14	20
Vinyl Chloride	0.667	0.694		4.05	20
Bromomethane	0.422	0.450		6.64	20
Chloroethane	0.448	0.501		11.83	20
Trichlorofluoromethane	0.992	1.025		3.33	20
1,1,2-Trichlorotrifluoroethane	0.577	0.614		6.41	20
1,1-Dichloroethene	0.536	0.519		-3.17	20
Acetone	0.160	0.195		21.88	20
Carbon Disulfide	1.438	1.194		-16.97	20
Methyl tert-butyl Ether	1.541	1.647		6.88	20
Methyl Acetate	0.345	0.400		15.94	20
Methylene Chloride	0.647	0.645		-0.31	20
trans-1,2-Dichloroethene	0.584	0.597		2.23	20
1,1-Dichloroethane	1.172	1.365	0.1	16.47	20
Cyclohexane	1.029	1.013		-1.55	20
2-Butanone	0.215	0.246		14.42	20
Carbon Tetrachloride	0.510	0.585		14.71	20
cis-1,2-Dichloroethene	0.721	0.800		10.96	20
Bromochloromethane	0.516	0.579		12.21	20
Chloroform	1.195	1.405		17.57	20
1,1,1-Trichloroethane	1.047	1.210		15.57	20
Methylcyclohexane	0.599	0.611		2	20
Benzene	1.439	1.633		13.48	20
1,2-Dichloroethane	0.413	0.464		12.35	20
Trichloroethene	0.348	0.373		7.18	20
1,2-Dichloropropane	0.360	0.422		17.22	20
Bromodichloromethane	0.522	0.617		18.2	20
4-Methyl-2-Pentanone	0.258	0.299		15.89	20
Toluene	0.898	1.046		16.48	20
t-1,3-Dichloropropene	0.470	0.538		14.47	20
cis-1,3-Dichloropropene	0.554	0.628		13.36	20
1,1,2-Trichloroethane	0.259	0.297		14.67	20
2-Hexanone	0.184	0.220		19.57	20
Dibromochloromethane	0.333	0.380		14.11	20
1,2-Dibromoethane	0.234	0.255		8.97	20
Tetrachloroethene	0.356	0.365		2.53	20
Chlorobenzene	1.144	1.294	0.3	13.11	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: MSVOA_Y Calibration Date/Time: 10/29/2024 09:31

Lab File ID: VY020049.D Init. Calib. Date(s): 10/09/2024 10/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:18 12:11

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.077	2.430		17	20
m/p-Xylenes	0.767	0.886		15.52	20
o-Xylene	0.737	0.853		15.74	20
Styrene	1.244	1.454		16.88	20
Bromoform	0.207	0.236	0.1	14.01	20
Isopropylbenzene	4.206	4.808		14.31	20
1,1,2,2-Tetrachloroethane	0.747	0.845	0.3	13.12	20
1,3-Dichlorobenzene	1.802	1.973		9.49	20
1,4-Dichlorobenzene	1.771	1.931		9.03	20
1,2-Dichlorobenzene	1.584	1.731		9.28	20
1,2-Dibromo-3-Chloropropane	0.119	0.125		5.04	20
1,2,4-Trichlorobenzene	0.888	0.903		1.69	20
1,2,3-Trichlorobenzene	0.751	0.754		0.4	20
1,2-Dichloroethane-d4	0.616	0.598		-2.92	20
Dibromofluoromethane	0.330	0.325		-1.51	20
Toluene-d8	1.218	1.184		-2.79	20
4-Bromofluorobenzene	0.440	0.424		-3.64	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043597.D
Acq On : 29 Oct 2024 15:15
Operator : JC/MD
Sample : P4578-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

Quant Time: Oct 30 01:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	142289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	262462	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	231278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	99807	43.991	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 87.980%			
35) Dibromofluoromethane	5.385	113	83334	46.824	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.640%			
50) Toluene-d8	8.647	98	314533	51.054	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.100%			
62) 4-Bromofluorobenzene	11.079	95	108691	47.611	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.220%			
Target Compounds						Qvalue
16) Acetone	2.392	43	2008	2.229	ug/l	90
20) Methylene Chloride	2.782	84	694	0.357	ug/l #	72

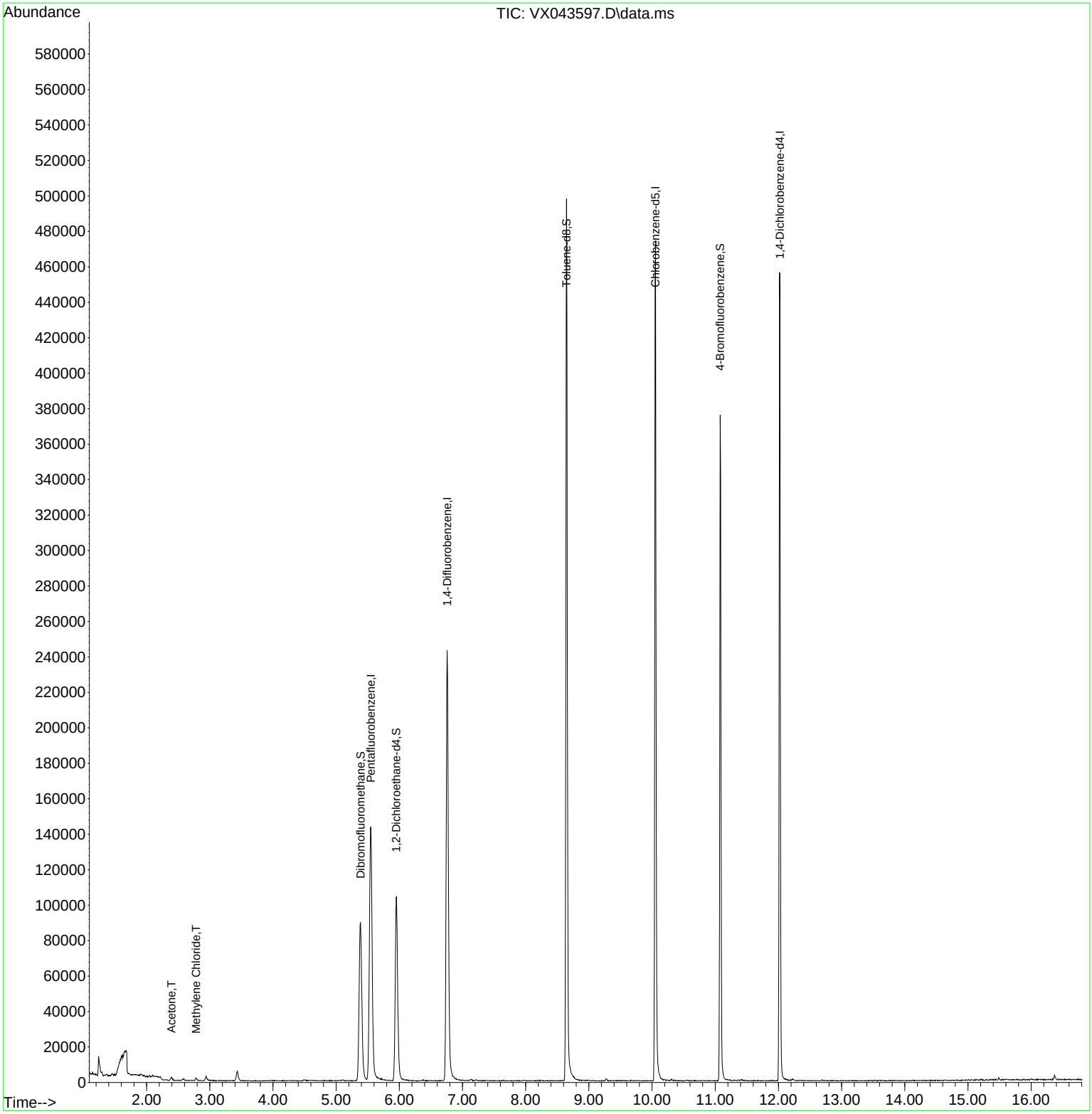
(#) = qualifier out of range (m) = manual integration (+) = signals summed

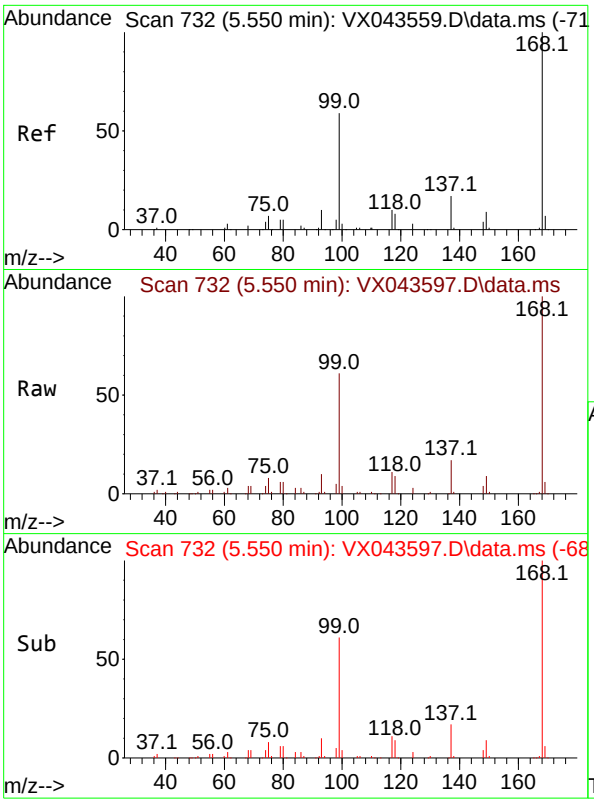
Sample Results: **VX043597.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043597.D
Acq On : 29 Oct 2024 15:15
Operator : JC/MD
Sample : P4578-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

Quant Time: Oct 30 01:33:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



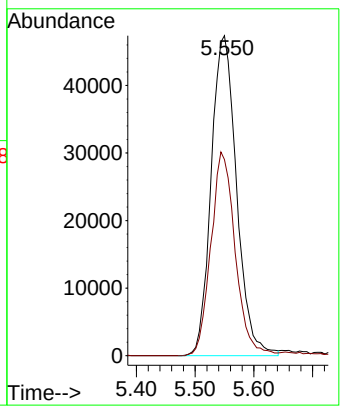


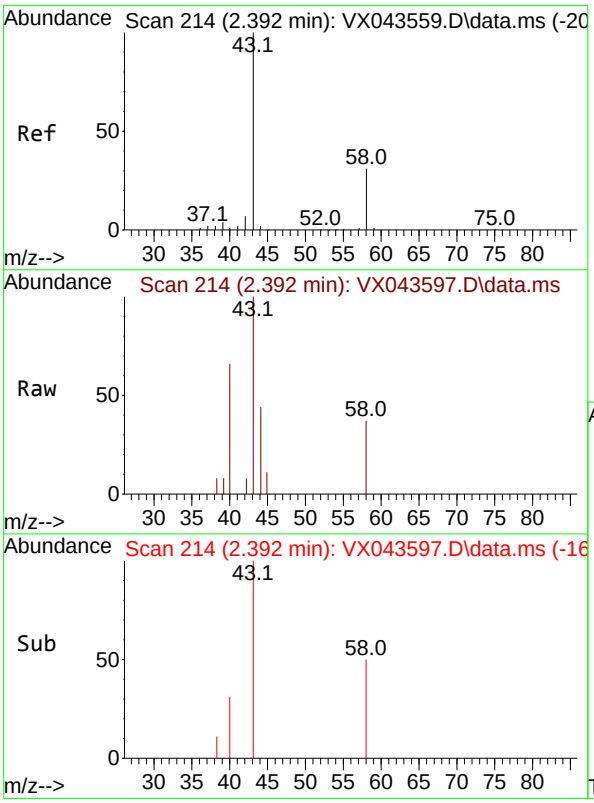
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043597.D
Acq: 29 Oct 2024 15:15

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

Tgt Ion:168 Resp: 142289

Ion	Ratio	Lower	Upper
168	100		
99	61.3	52.6	78.8

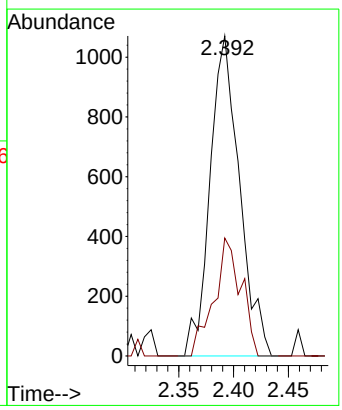


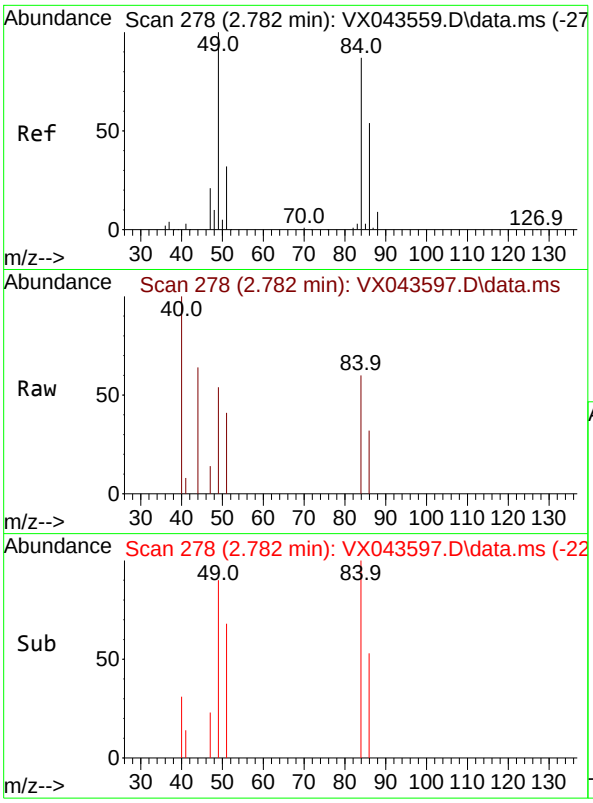


#16
Acetone
Concen: 2.229 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043597.D
Acq: 29 Oct 2024 15:15

Tgt Ion: 43 Resp: 2008

Ion	Ratio	Lower	Upper
43	100		
58	36.9	25.1	37.7



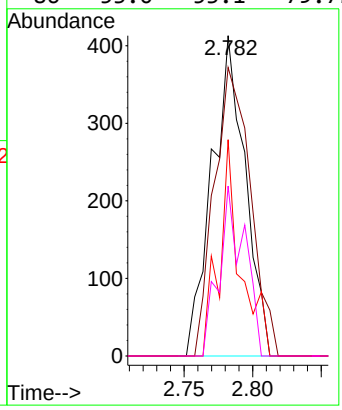


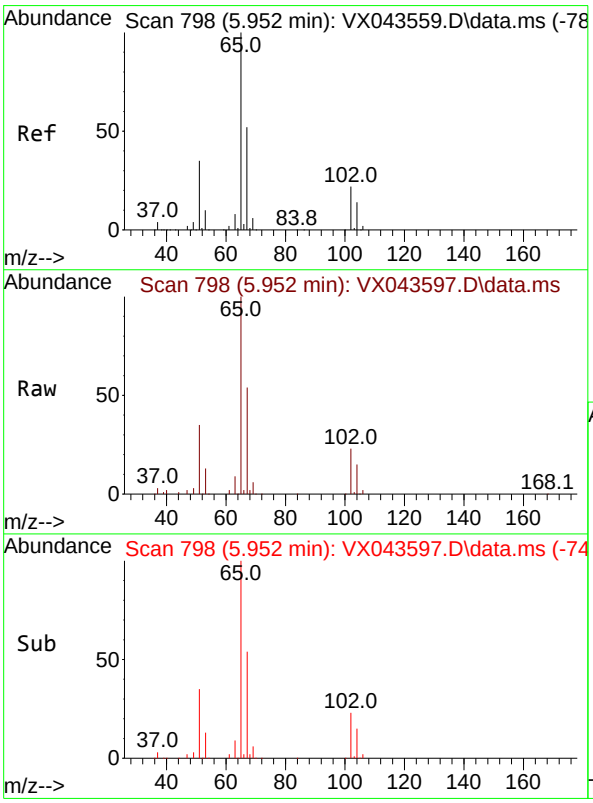
#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 2.782 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX043597.D
Acq: 29 Oct 2024 15:15

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

Tgt Ion: 84 Resp: 694

Ion	Ratio	Lower	Upper
84	100		
49	90.1	97.0	145.6#
51	67.6	29.8	44.8#
86	53.0	53.1	79.7#

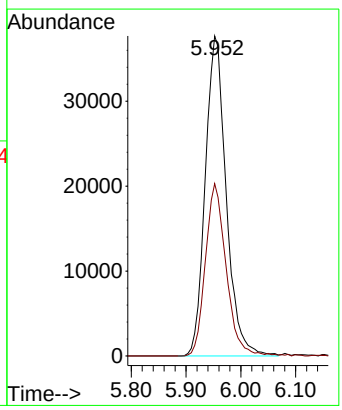


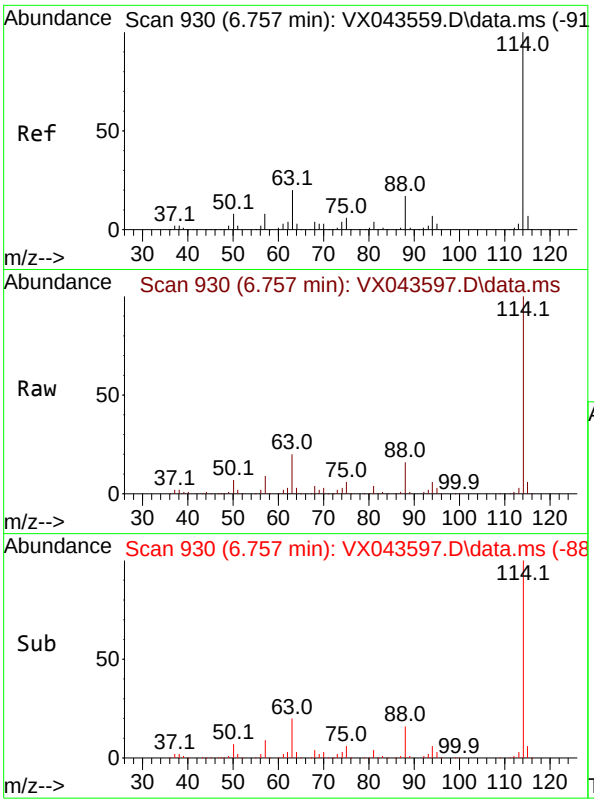


#33
1,2-Dichloroethane-d4
Concen: 43.991 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043597.D
Acq: 29 Oct 2024 15:15

Tgt Ion: 65 Resp: 99807

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	103.4



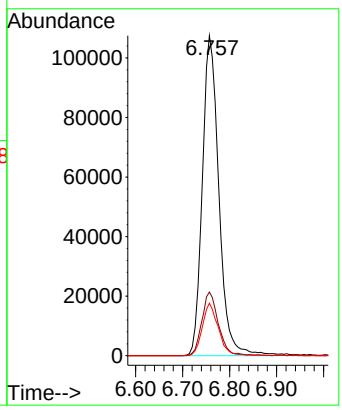


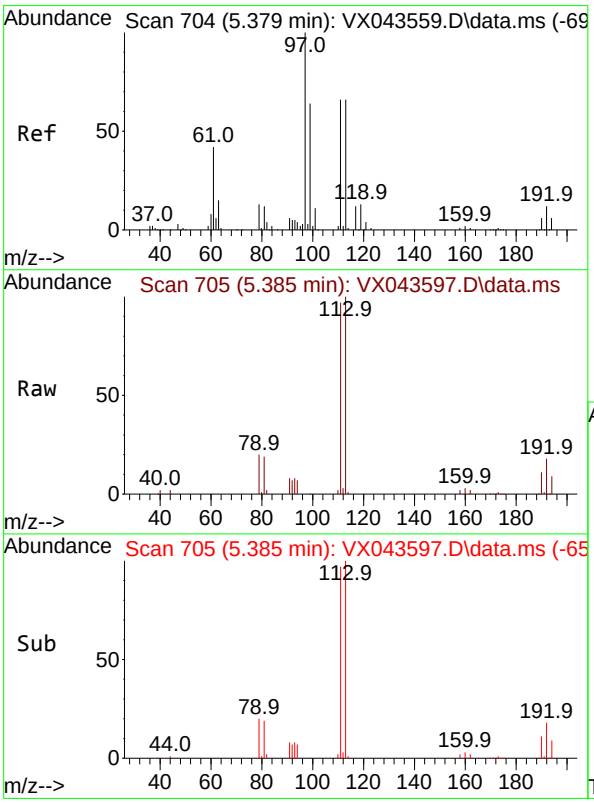
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043597.D
Acq: 29 Oct 2024 15:15

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

Tgt Ion:114 Resp: 262462

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	41.2
88	16.4	0.0	34.0

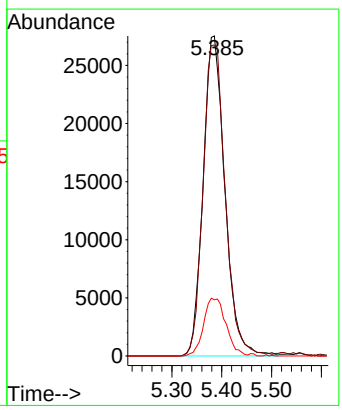


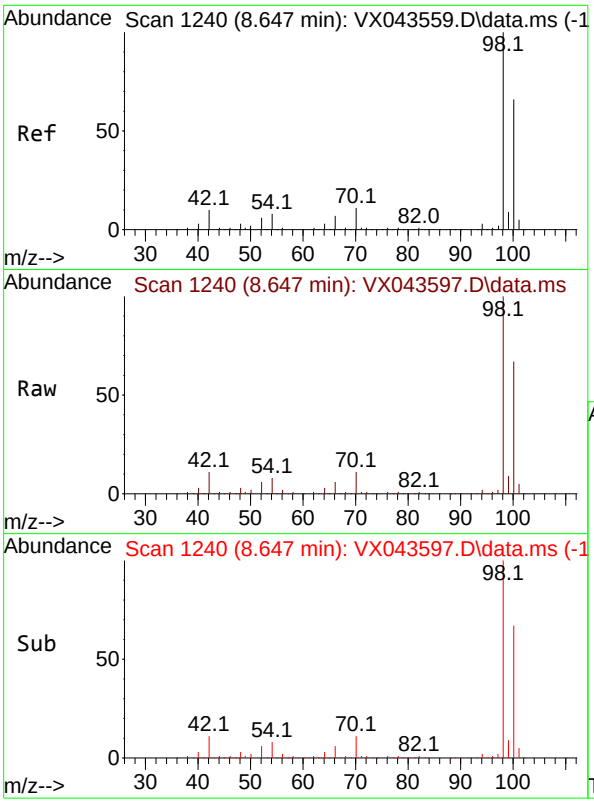


#35
Dibromofluoromethane
Concen: 46.824 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043597.D
Acq: 29 Oct 2024 15:15

Tgt Ion:113 Resp: 83334

Ion	Ratio	Lower	Upper
113	100		
111	99.6	81.4	122.0
192	18.5	14.1	21.1



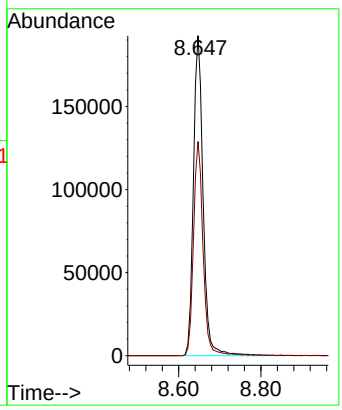


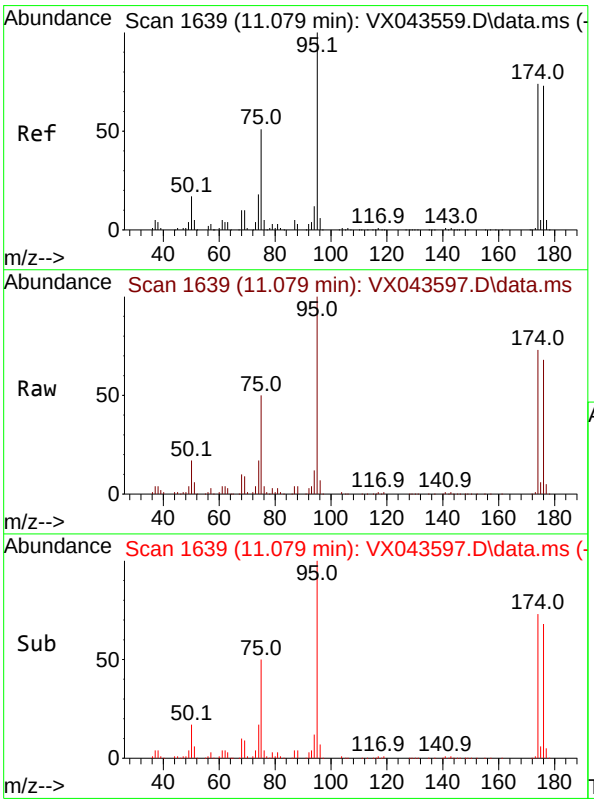
#50
Toluene-d8
Concen: 51.054 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043597.D
Acq: 29 Oct 2024 15:15

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

Tgt Ion: 98 Resp: 314533

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.4	80.2

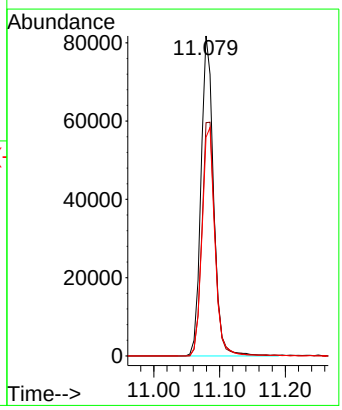


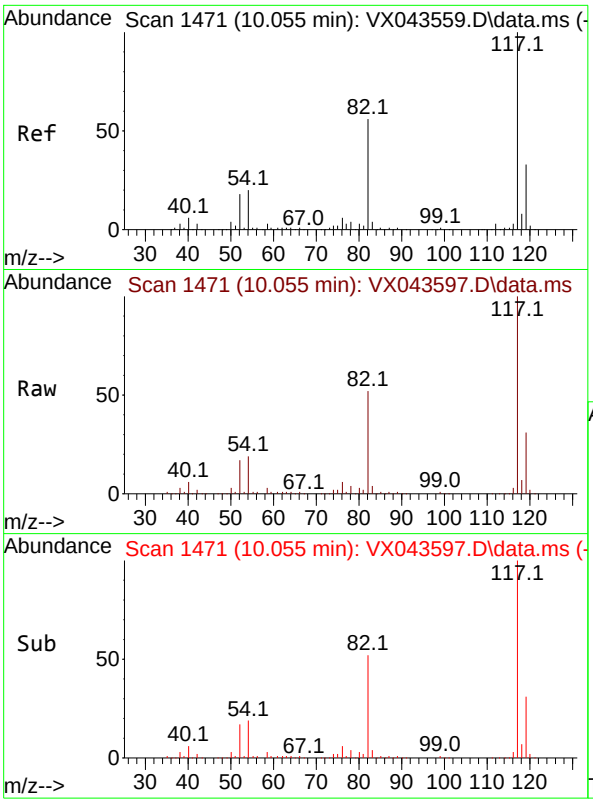


#62
4-Bromofluorobenzene
Concen: 47.611 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043597.D
Acq: 29 Oct 2024 15:15

Tgt Ion: 95 Resp: 108691

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	146.6
176	72.9	0.0	139.6



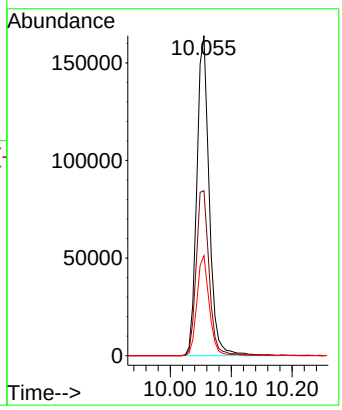


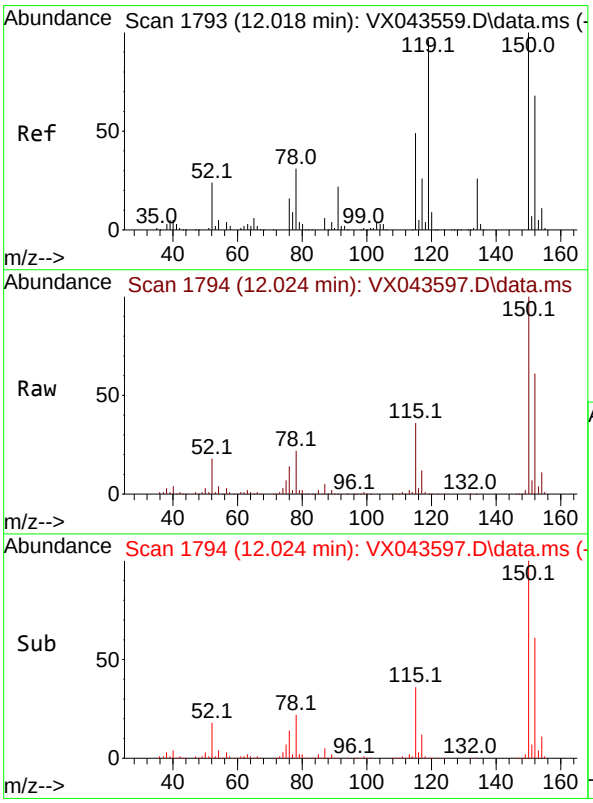
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043597.D
Acq: 29 Oct 2024 15:15

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

Tgt Ion:117 Resp: 231278

Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.1	63.1
119	31.3	25.4	38.2

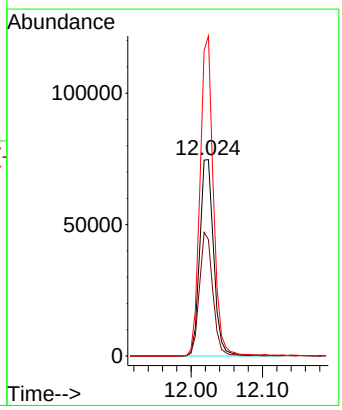




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043597.D
Acq: 29 Oct 2024 15:15

Tgt Ion:152 Resp: 100896

Ion	Ratio	Lower	Upper
152	100		
115	60.3	42.9	128.7
150	156.0	0.0	343.6



Sample Results: **VX043597.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043597.D
Acq On : 29 Oct 2024 15:15
Operator : JC/MD
Sample : P4578-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043597.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	rBV2	10771	18453	2.28%	0.436%
2	1.605	70	85	86	rBV7	11045	36857	4.55%	0.871%
3	3.434	378	385	394	rBV5	5455	12146	1.50%	0.287%
4	5.385	694	705	721	rBV	89072	268161	33.09%	6.338%
5	5.550	721	732	747	rBV	142338	421243	51.98%	9.956%
6	5.952	789	798	813	rBV	103735	275217	33.96%	6.505%
7	6.757	920	930	951	rBV	242616	593865	73.28%	14.036%
8	8.647	1233	1240	1258	rBV	497302	810382	100.00%	19.153%
9	10.055	1465	1471	1487	rBV	473885	689505	85.08%	16.296%
10	11.079	1634	1639	1653	rBV	375302	503583	62.14%	11.902%
11	12.018	1788	1793	1806	rBV	455821	601657	74.24%	14.220%

Sum of corrected areas: 4231069

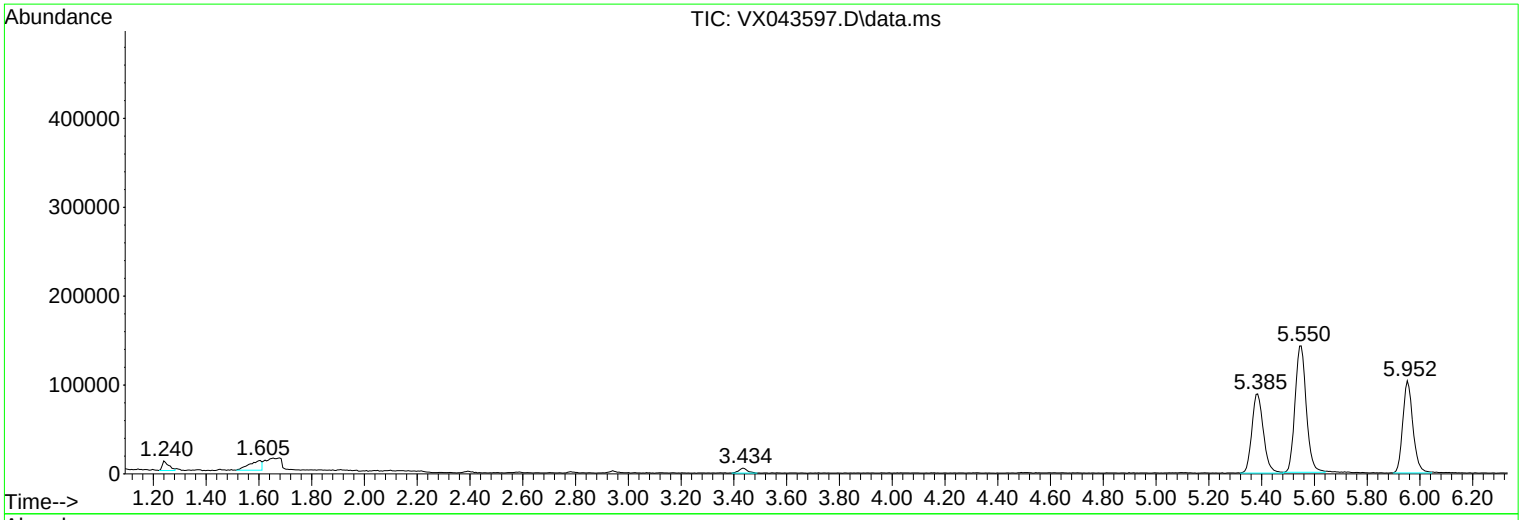
Sample Results: **VX043597.D**

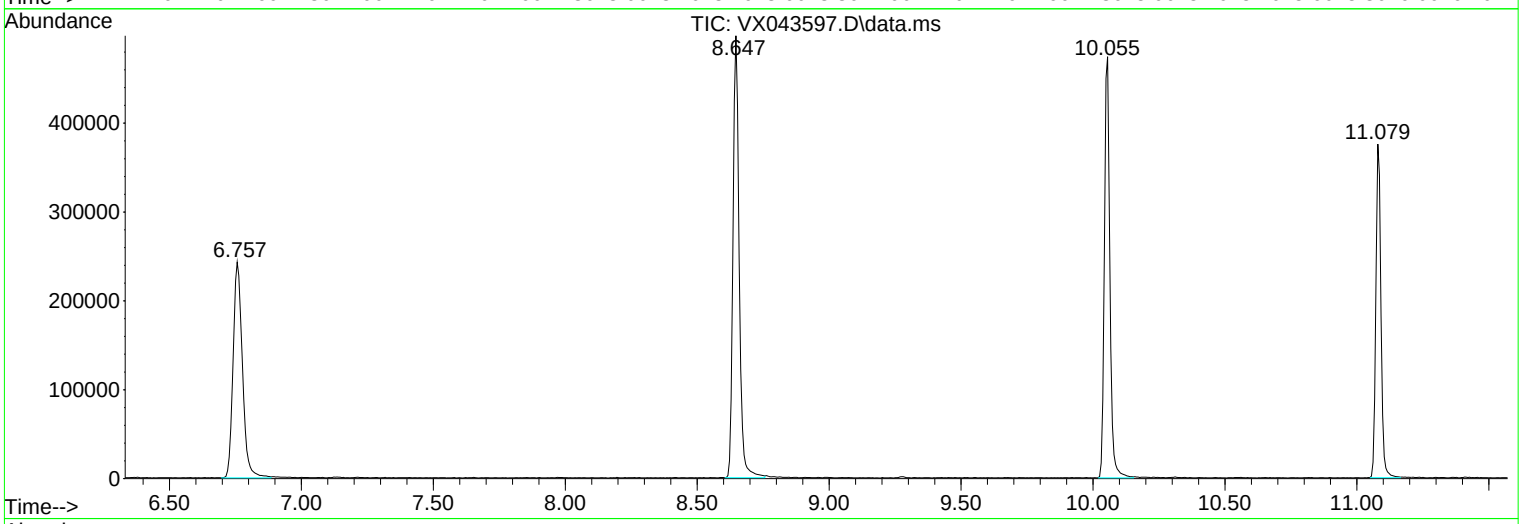
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043597.D
Acq On : 29 Oct 2024 15:15
Operator : JC/MD
Sample : P4578-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

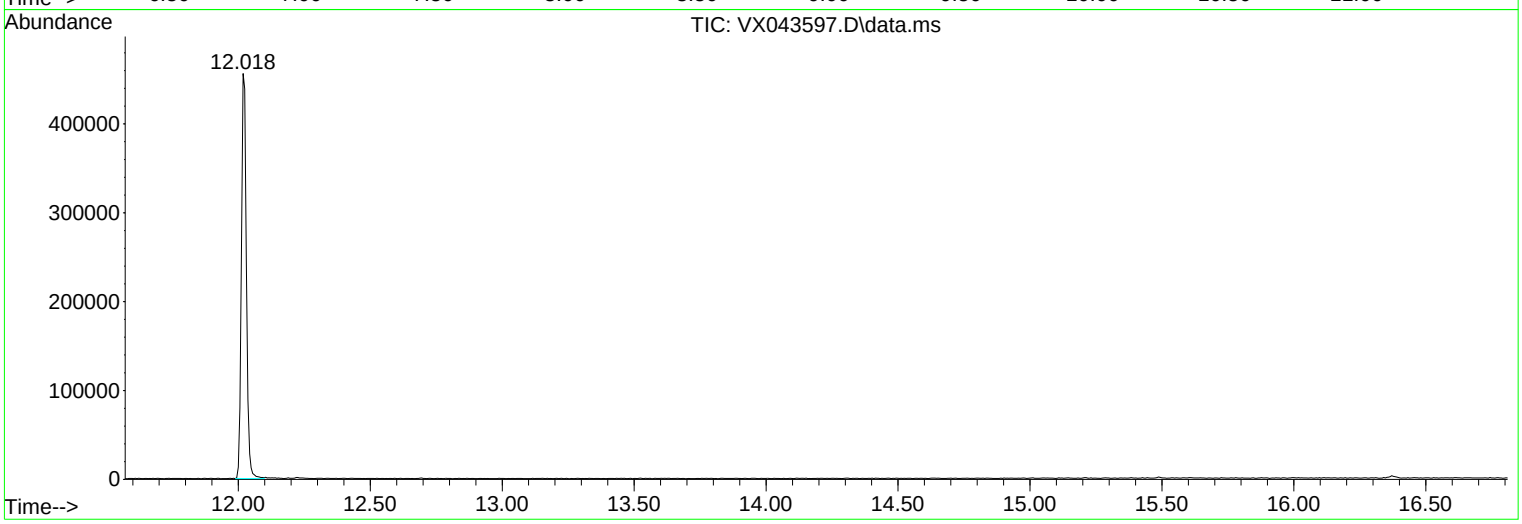
Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX043597.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043597.D
Acq On : 29 Oct 2024 15:15
Operator : JC/MD
Sample : P4578-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043597.D
Acq On : 29 Oct 2024 15:15
Operator : JC/MD
Sample : P4578-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043598.D
Acq On : 29 Oct 2024 15:38
Operator : JC/MD
Sample : P4578-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

Quant Time: Oct 30 01:33:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

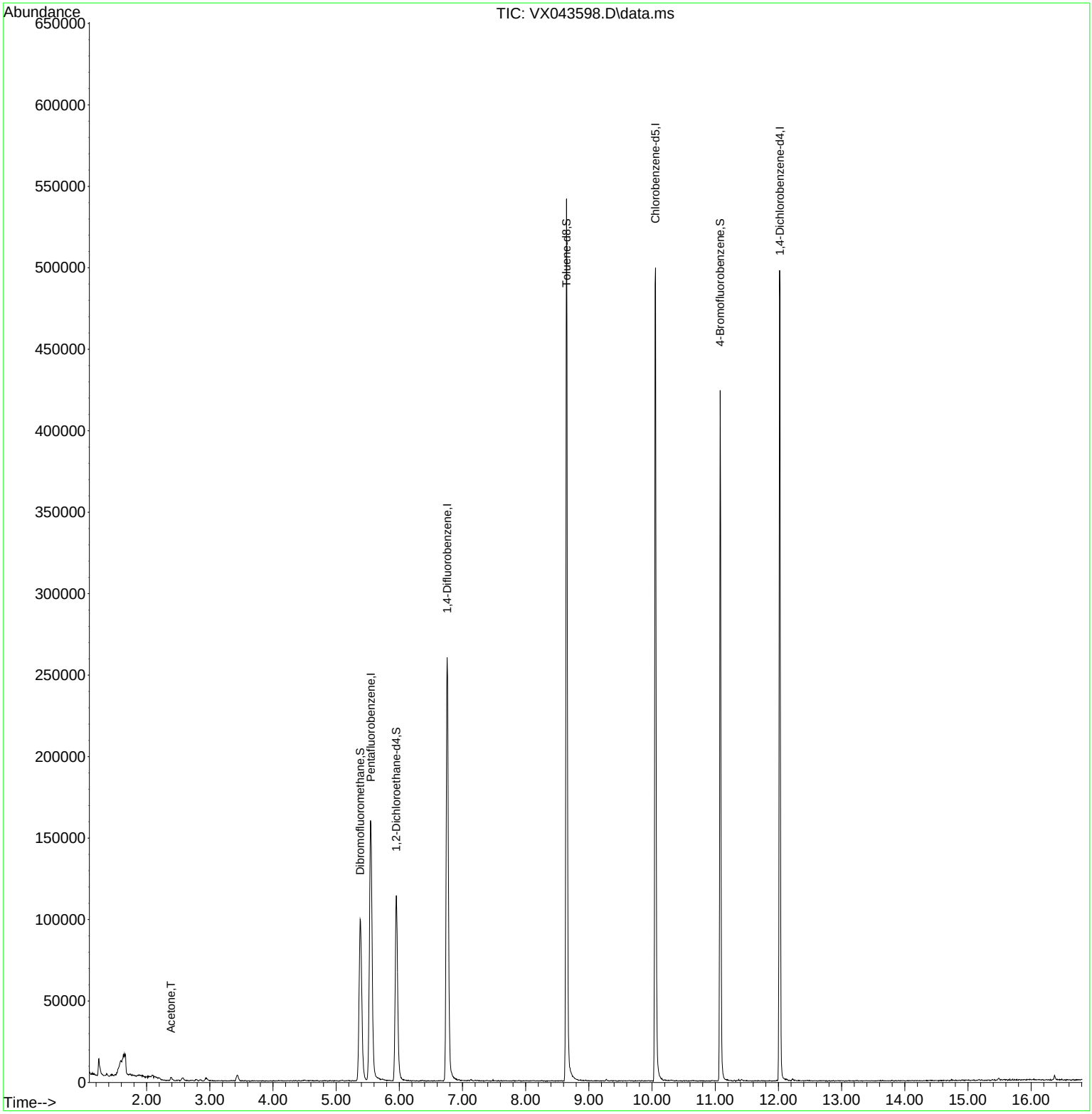
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	158213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	288734	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	248859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	109236	43.300	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.600%			
35) Dibromofluoromethane	5.379	113	90041	45.989	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.980%			
50) Toluene-d8	8.647	98	340477	50.236	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.480%			
62) 4-Bromofluorobenzene	11.079	95	116872	46.536	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.080%			
Target Compounds						Qvalue
16) Acetone	2.386	43	2452	2.448	ug/l #	87

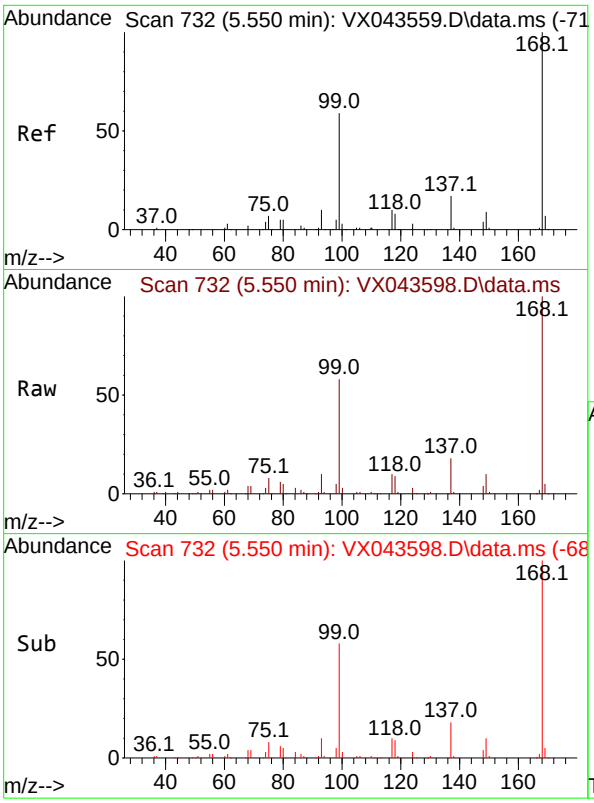
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043598.D
Acq On : 29 Oct 2024 15:38
Operator : JC/MD
Sample : P4578-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

Quant Time: Oct 30 01:33:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



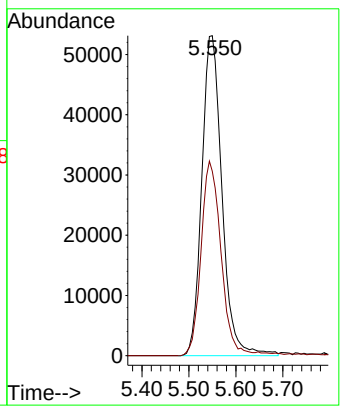


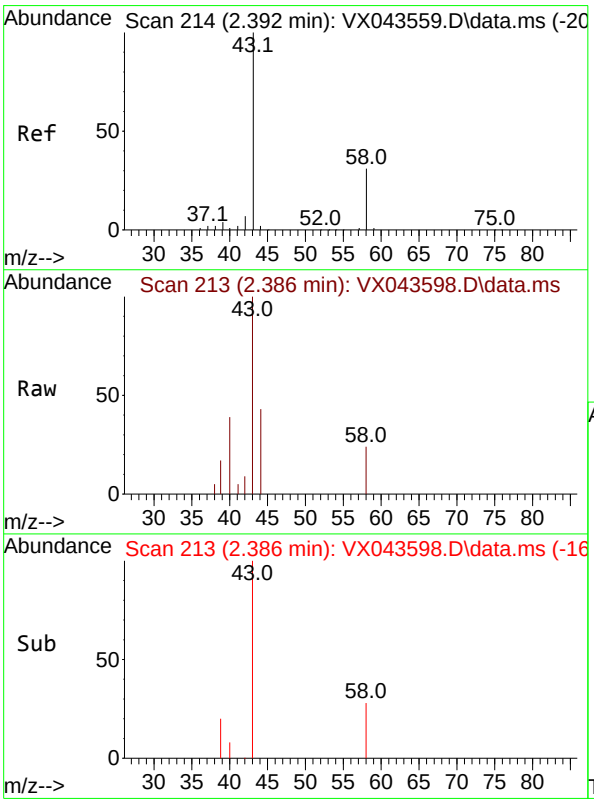
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043598.D
Acq: 29 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

Tgt Ion:168 Resp: 158213

Ion	Ratio	Lower	Upper
168	100		
99	57.6	52.6	78.8

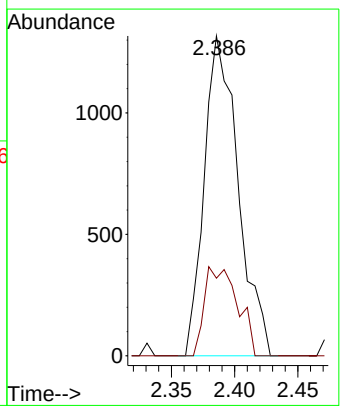


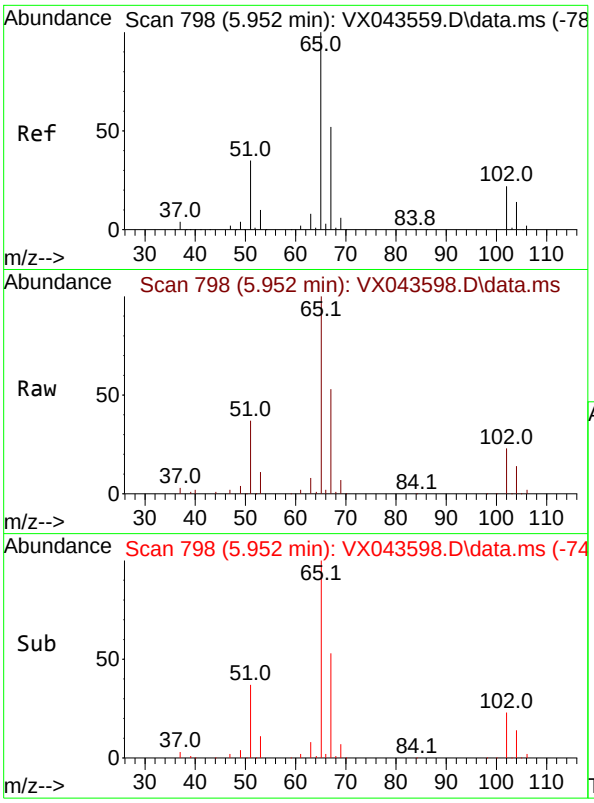


#16
Acetone
Concen: 2.448 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX043598.D
Acq: 29 Oct 2024 15:38

Tgt Ion: 43 Resp: 2452

Ion	Ratio	Lower	Upper
43	100		
58	24.3	25.1	37.7#



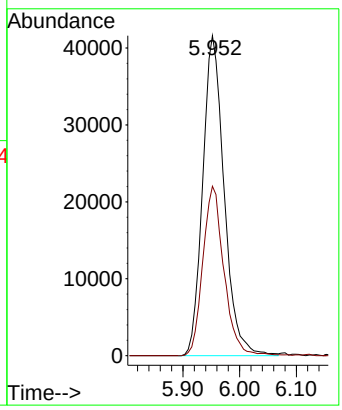


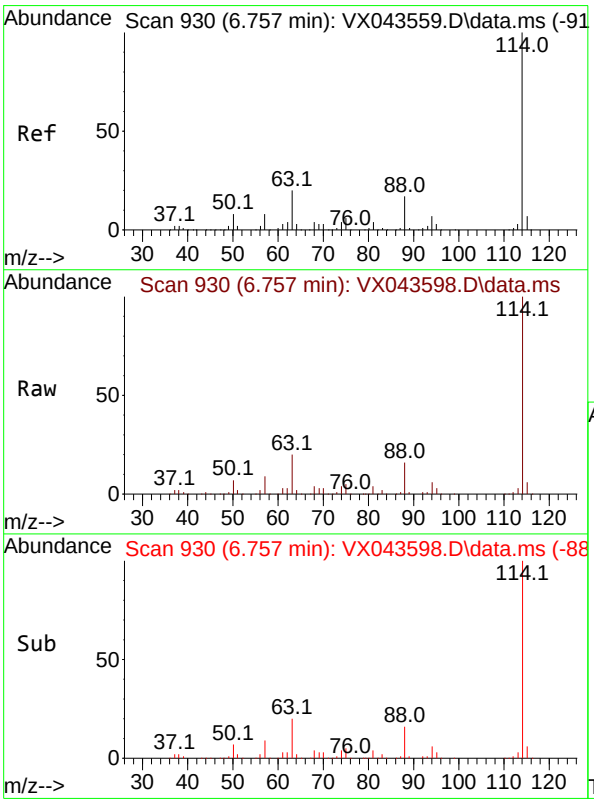
#33
1,2-Dichloroethane-d4
Concen: 43.300 ug/l
RT: 5.952 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX043598.D
Acq: 29 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

Tgt Ion: 65 Resp: 109236

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	103.4

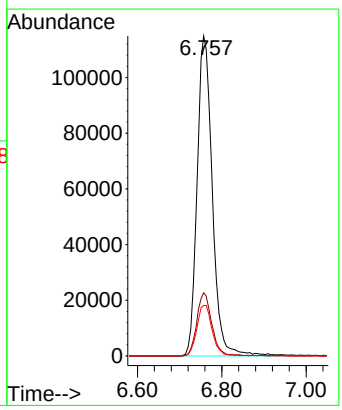


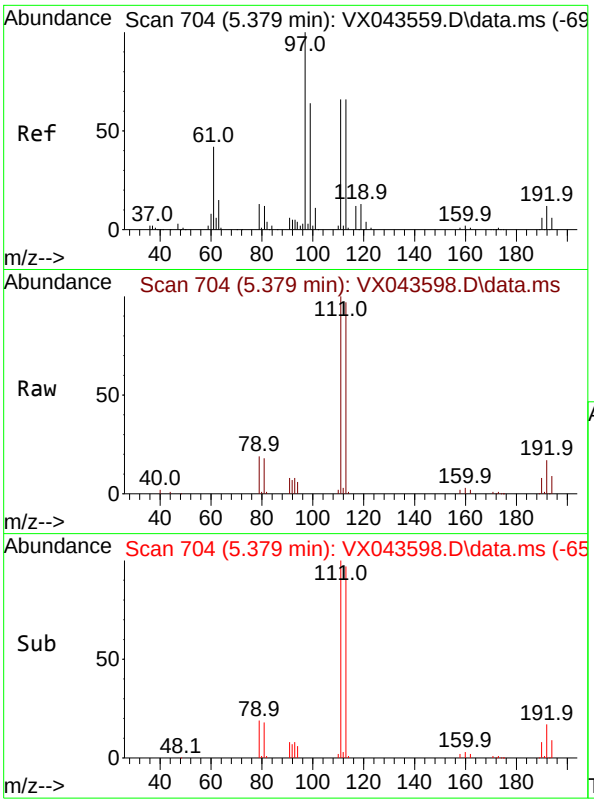


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX043598.D
Acq: 29 Oct 2024 15:38

Tgt Ion:114 Resp: 288734

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	41.2
88	15.8	0.0	34.0



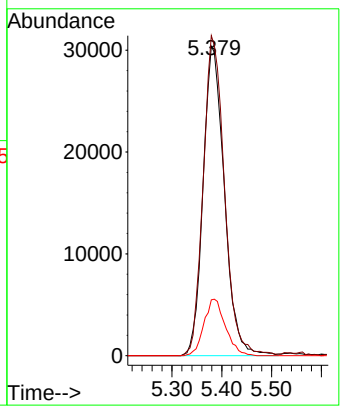


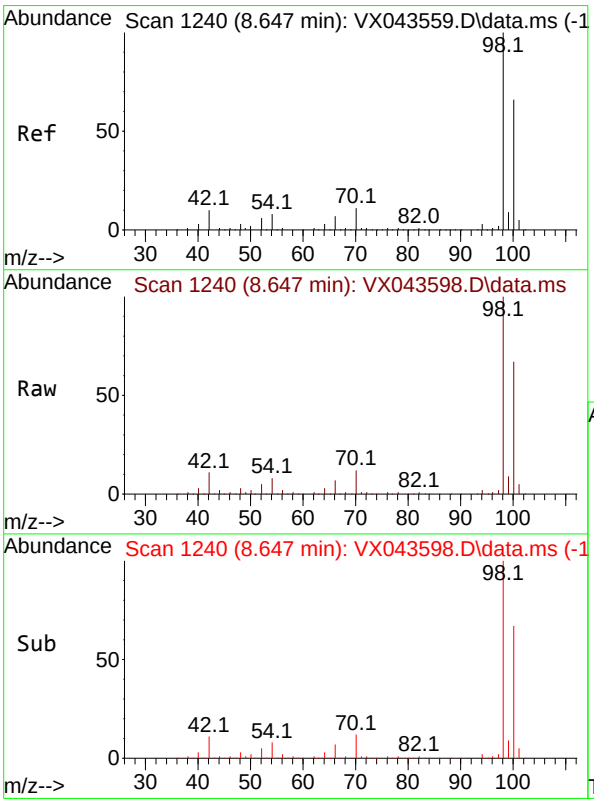
#35
Dibromofluoromethane
Concen: 45.989 ug/l
RT: 5.379 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043598.D
Acq: 29 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

Tgt Ion:113 Resp: 90041

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.0
192	18.4	14.1	21.1

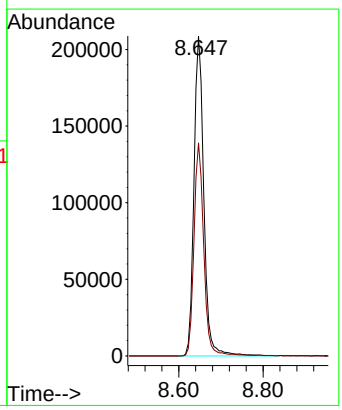


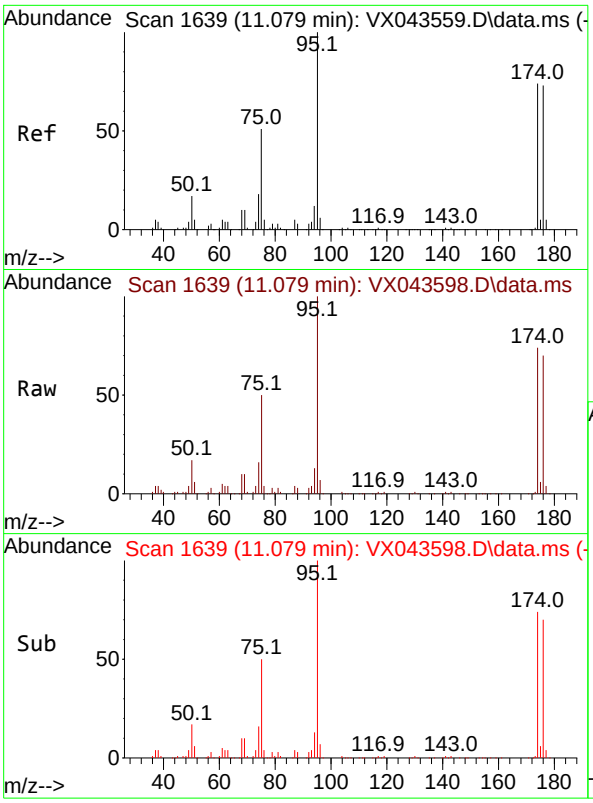


#50
Toluene-d8
Concen: 50.236 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043598.D
Acq: 29 Oct 2024 15:38

Tgt Ion: 98 Resp: 340477

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.4	80.2



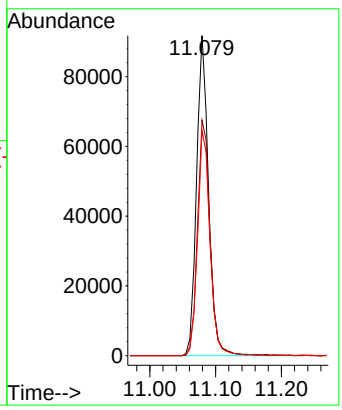


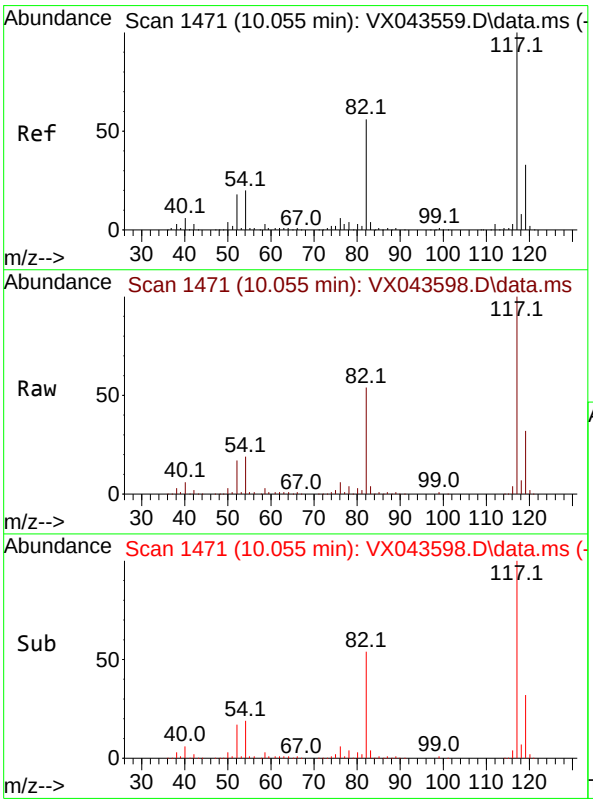
#62
4-Bromofluorobenzene
Concen: 46.536 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043598.D
Acq: 29 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

Tgt Ion: 95 Resp: 116872

Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	146.6
176	72.3	0.0	139.6

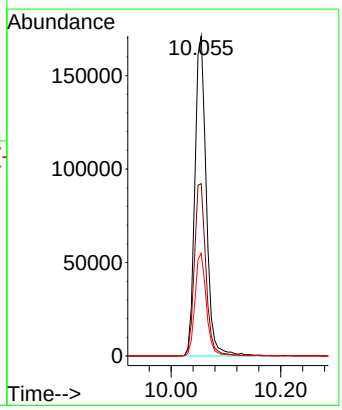


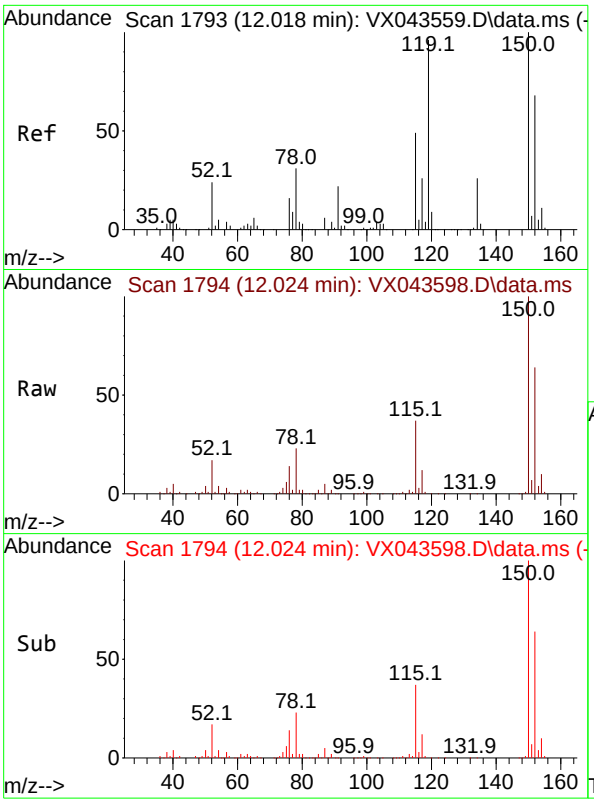


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043598.D
Acq: 29 Oct 2024 15:38

Tgt Ion:117 Resp: 248859

Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.1	63.1
119	32.1	25.4	38.2



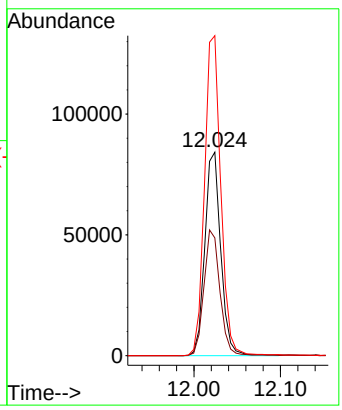


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043598.D
Acq: 29 Oct 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

Tgt Ion:152 Resp: 107787

Ion	Ratio	Lower	Upper
152	100		
115	62.0	42.9	128.7
150	160.6	0.0	343.6



Sample Results: **VX043598.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043598.D
Acq On : 29 Oct 2024 15:38
Operator : JC/MD
Sample : P4578-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043598.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.246	22	26	32	rBV2	10366	17874	2.02%	0.390%
2	1.587	71	82	85	rBV5	8661	27255	3.07%	0.595%
3	5.379	694	704	720	rBV	99125	294696	33.25%	6.436%
4	5.544	721	731	749	rBV	159006	464543	52.41%	10.145%
5	5.952	789	798	816	rBV	113733	303110	34.20%	6.620%
6	6.757	920	930	952	rBV	259949	650873	73.43%	14.215%
7	8.647	1233	1240	1267	rBV	541601	886346	100.00%	19.357%
8	10.055	1465	1471	1484	rBV	499121	741388	83.65%	16.191%
9	11.079	1634	1639	1652	rBV	423606	543022	61.27%	11.859%
10	12.018	1788	1793	1804	rBV	497447	649800	73.31%	14.191%

Sum of corrected areas: 4578907

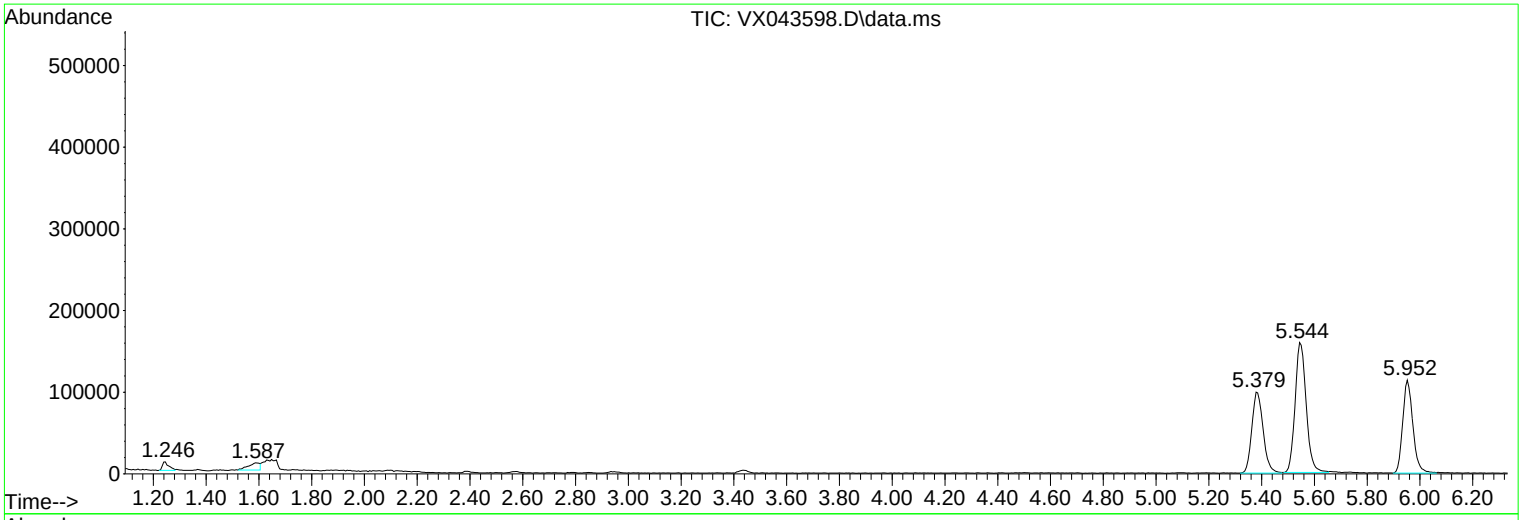
Sample Results: **VX043598.D**

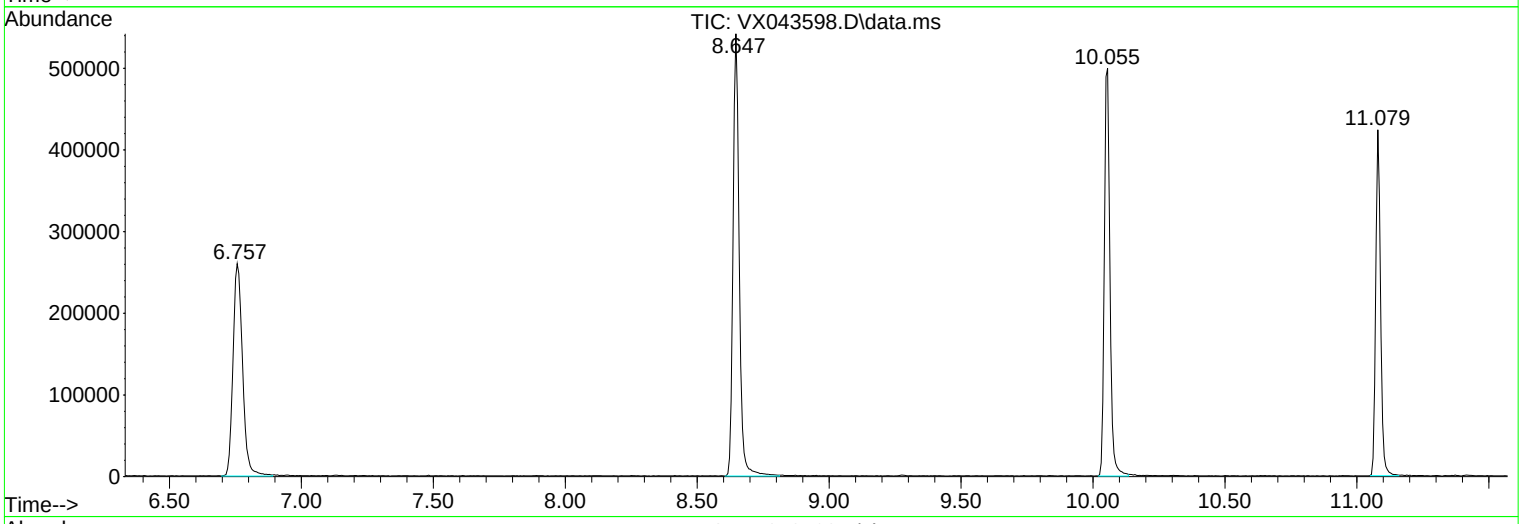
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043598.D
Acq On : 29 Oct 2024 15:38
Operator : JC/MD
Sample : P4578-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

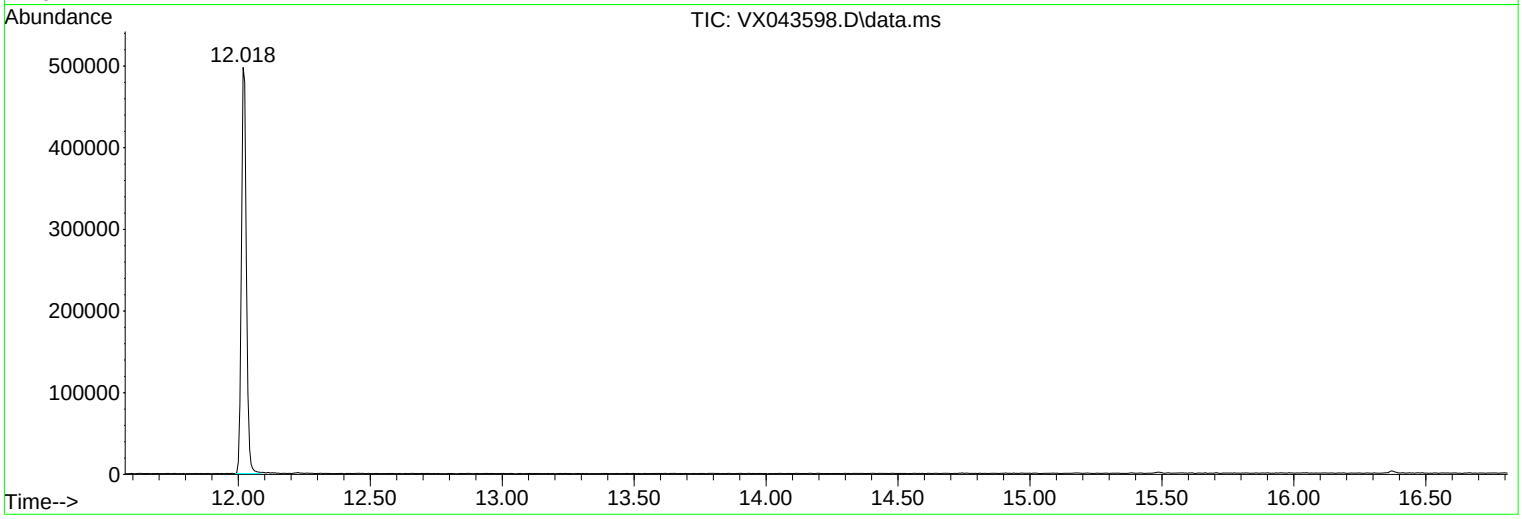
Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX043598.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043598.D
Acq On : 29 Oct 2024 15:38
Operator : JC/MD
Sample : P4578-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043598.D
Acq On : 29 Oct 2024 15:38
Operator : JC/MD
Sample : P4578-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WB-305-SW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Quant Time: Oct 29 03:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

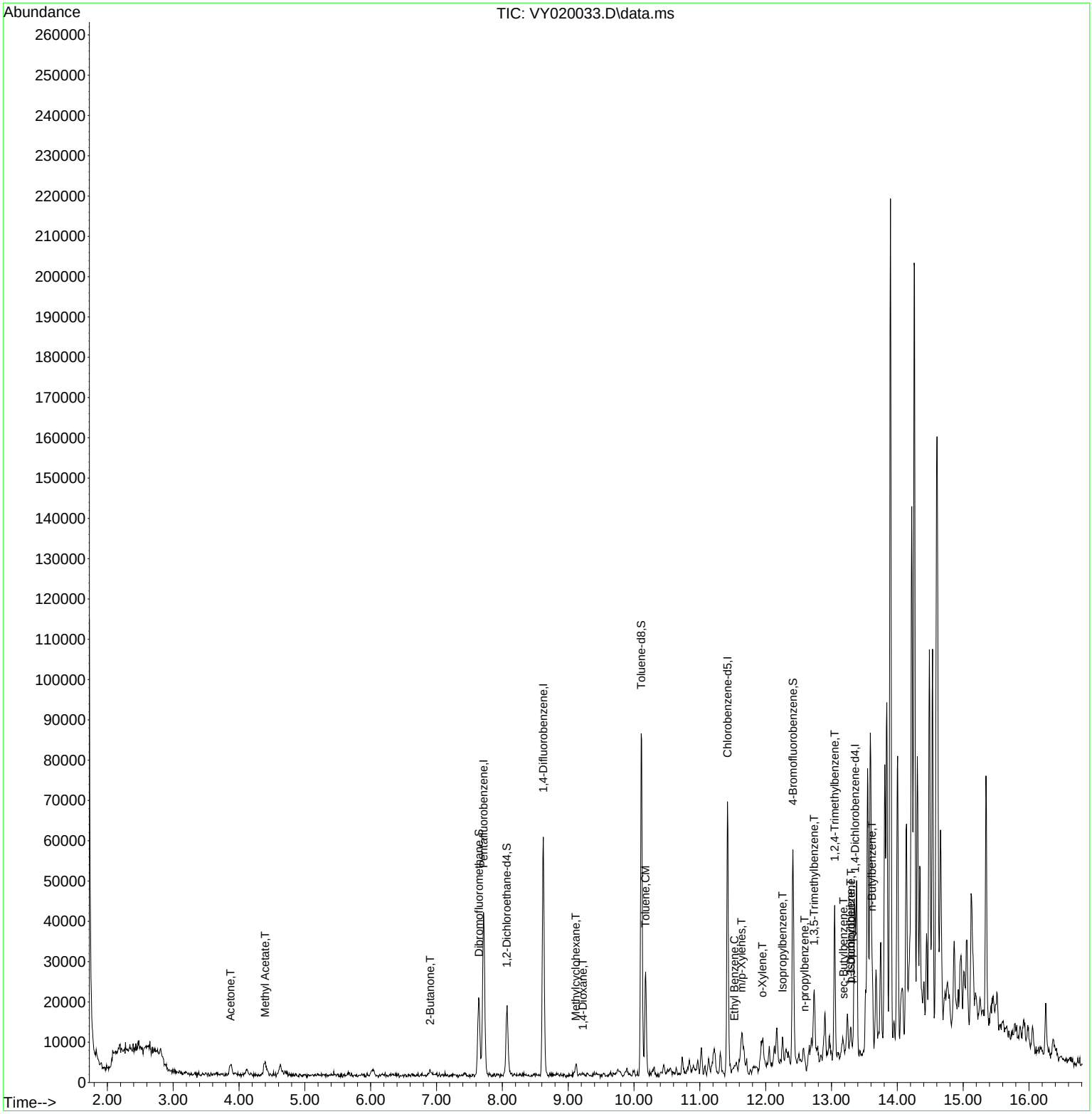
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	27473	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	45281	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	32489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	8668	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	13554	40.068	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.140%		
35) Dibromofluoromethane	7.646	113	13741	45.987	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.980%		
50) Toluene-d8	10.109	98	51954	47.083	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.160%		
62) 4-Bromofluorobenzene	12.414	95	11497	28.836	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	57.680%		
Target Compounds						Qvalue
16) Acetone	3.873	43	4573	51.932	ug/l #	85
18) Methyl Acetate	4.397	43	6622	34.909	ug/l #	82
25) 2-Butanone	6.902	43	1407	11.937	ug/l	96
39) Methylcyclohexane	9.115	83	802	1.479	ug/l #	58
49) 1,4-Dioxane	9.225	88	253	126.879	ug/l #	85
52) Toluene	10.176	92	10672	13.123	ug/l	90
67) Ethyl Benzene	11.524	91	1351	1.001	ug/l	92
68) m/p-Xylenes	11.633	106	1668	3.346	ug/l	83
69) o-Xylene	11.950	106	1659	3.463	ug/l	92
73) Isopropylbenzene	12.255	105	3314	4.545	ug/l	92
78) n-propylbenzene	12.590	91	1513	1.717	ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	3600	6.114	ug/l	83
84) 1,2,4-Trimethylbenzene	13.048	105	17995	30.825	ug/l	95
85) sec-Butylbenzene	13.182	105	2214	2.809	ug/l	93
86) p-Isopropyltoluene	13.292	119	2324	3.631	ug/l	88
87) 1,3-Dichlorobenzene	13.298	146	424	1.357	ug/l #	5
89) n-Butylbenzene	13.615	91	9756	15.612	ug/l #	79

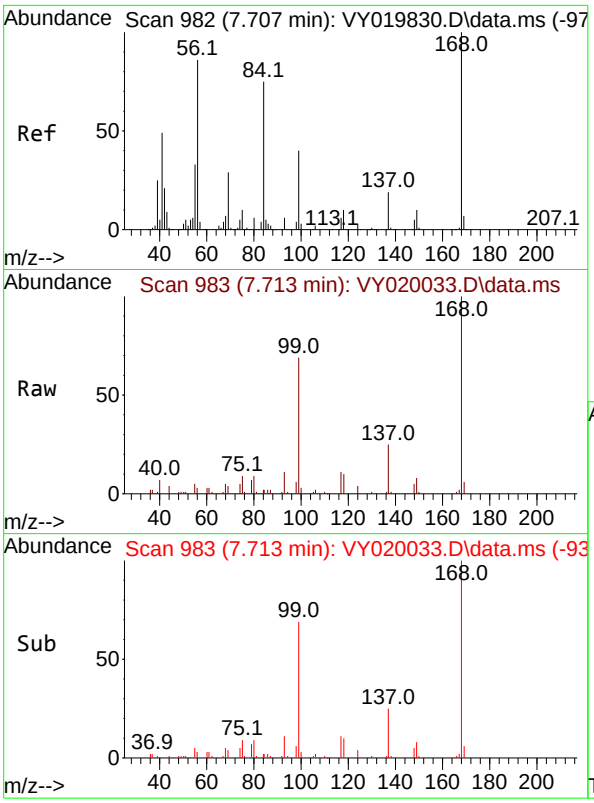
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Quant Time: Oct 29 03:13:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



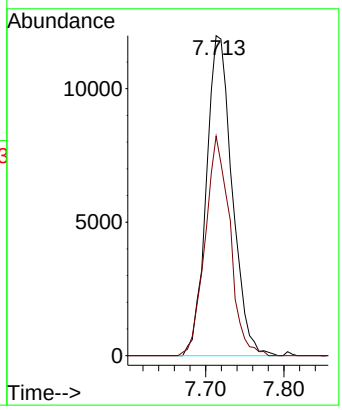


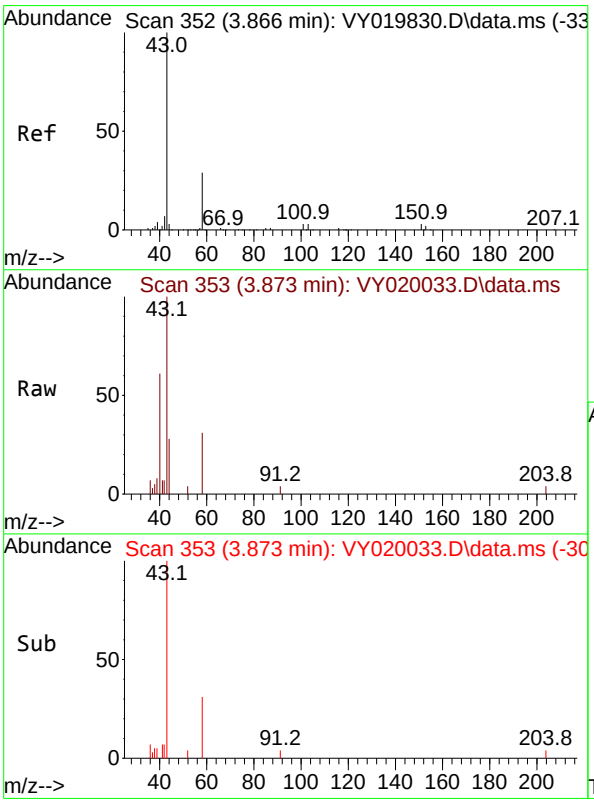
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion:168 Resp: 27473

Ion	Ratio	Lower	Upper
168	100		
99	68.6	39.1	58.7#

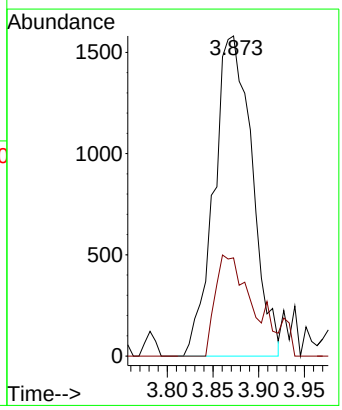


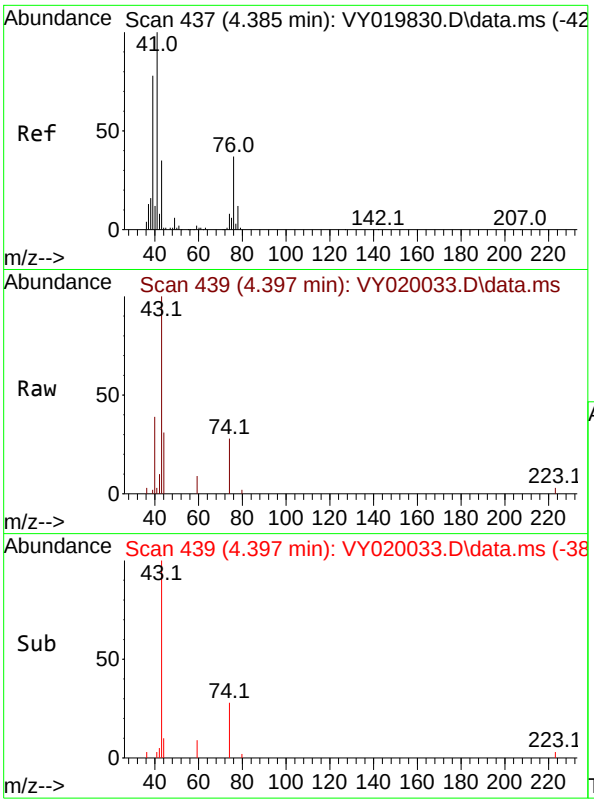


#16
Acetone
Concen: 51.932 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 43 Resp: 4573

Ion	Ratio	Lower	Upper
43	100		
58	30.7	31.7	47.5#



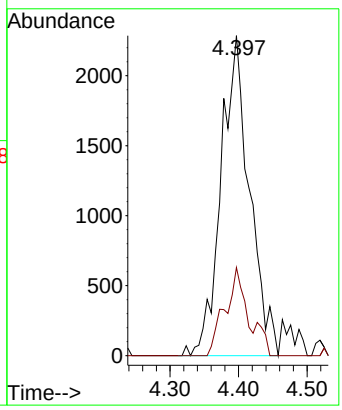


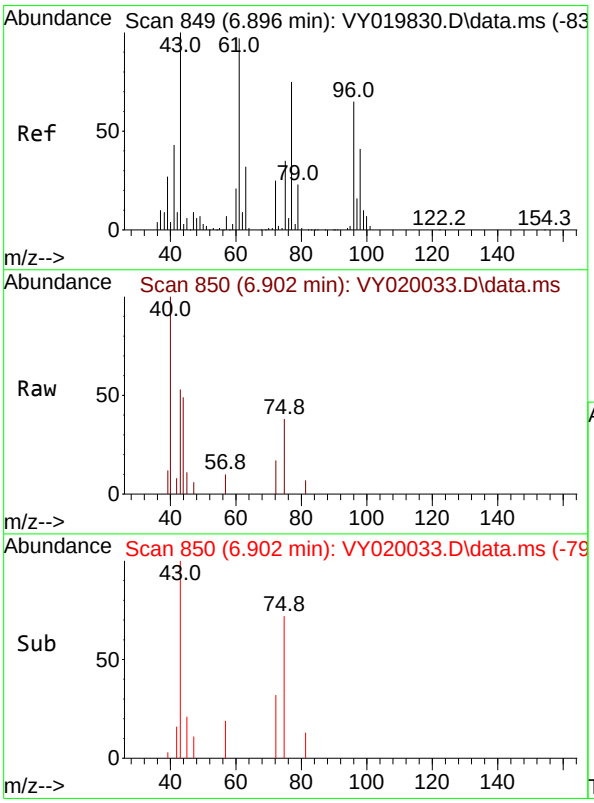
#18
Methyl Acetate
Concen: 34.909 ug/l
RT: 4.397 min Scan# 4
Delta R.T. 0.013 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion: 43 Resp: 6622

Ion	Ratio	Lower	Upper
43	100		
74	19.5	23.3	34.9#

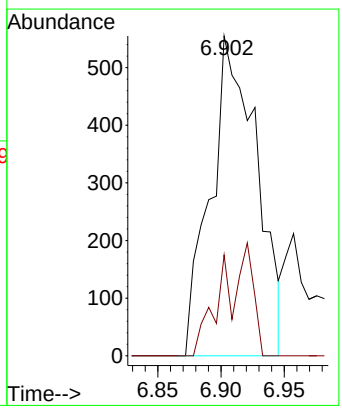


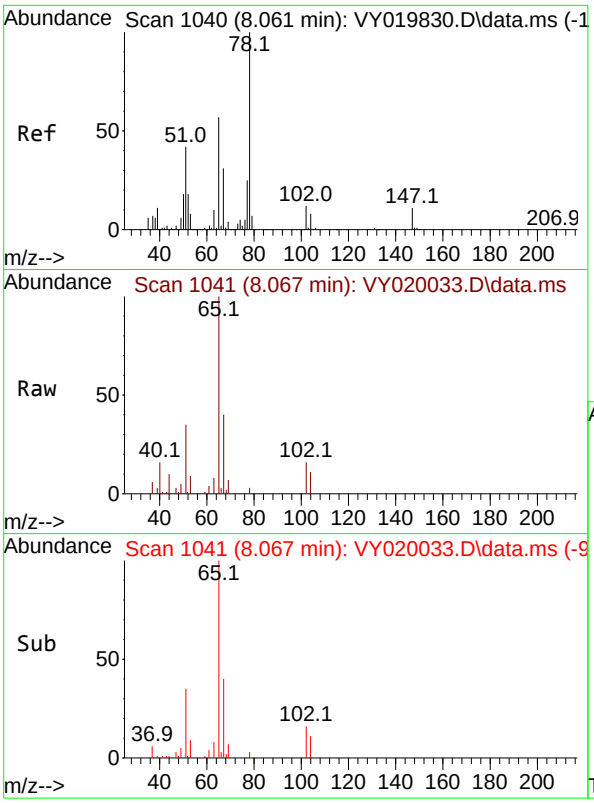


#25
2-Butanone
Concen: 11.937 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 43 Resp: 1407

Ion	Ratio	Lower	Upper
43	100		
72	31.5	27.3	40.9



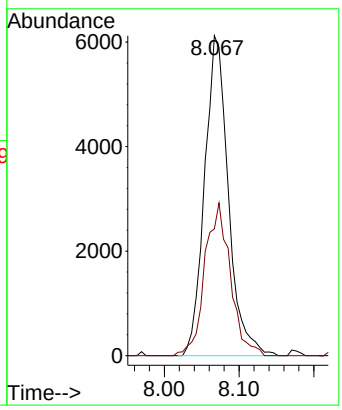


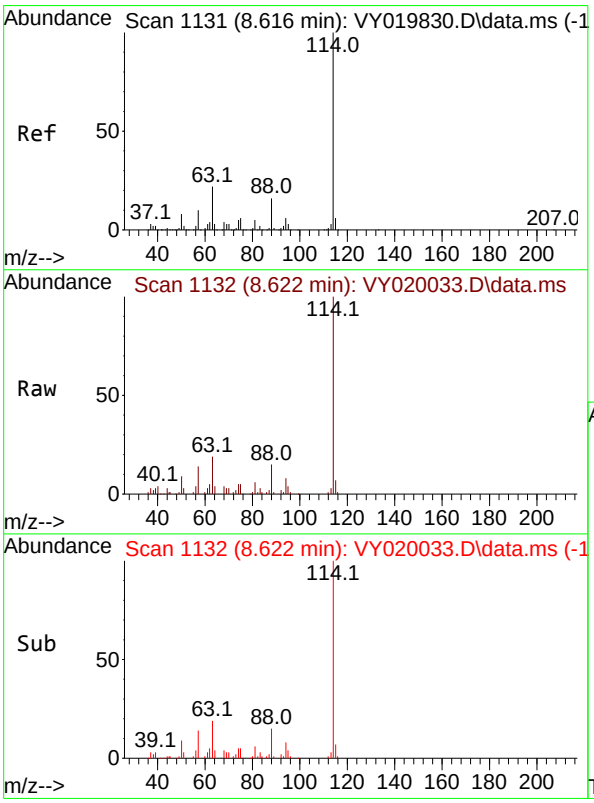
#33
1,2-Dichloroethane-d4
Concen: 40.068 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion: 65 Resp: 13554

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	109.6

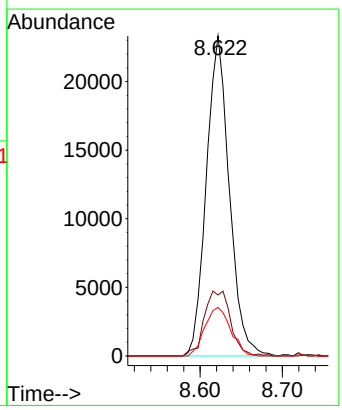


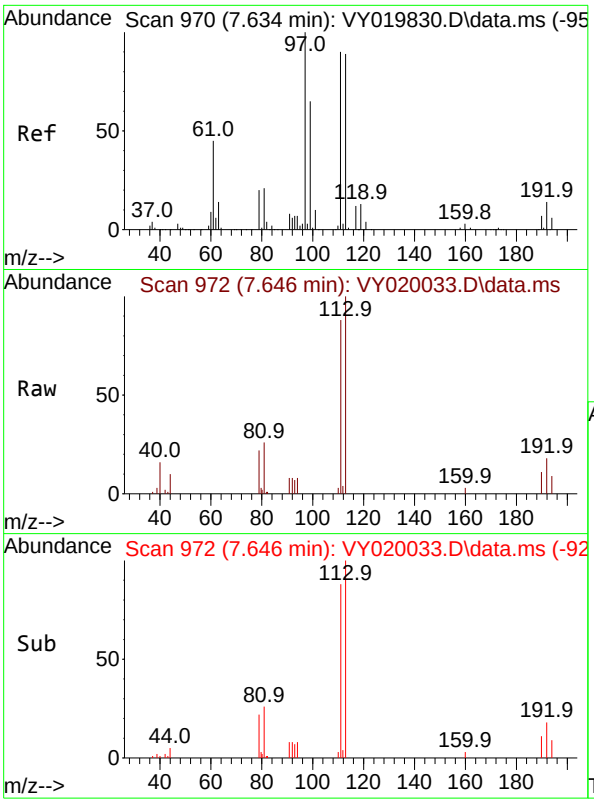


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion:114 Resp: 45281

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	35.0
88	15.1	0.0	27.2



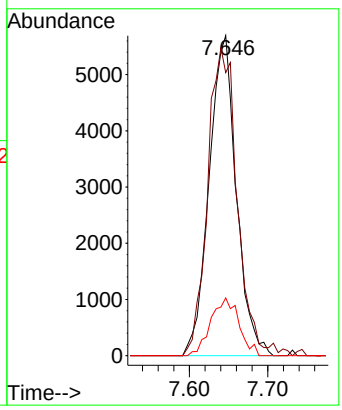


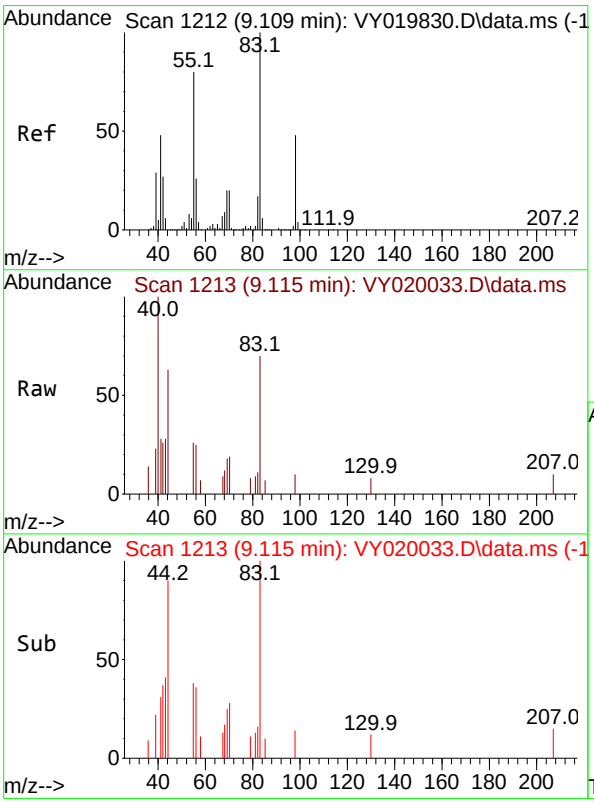
#35
Dibromofluoromethane
Concen: 45.987 ug/l
RT: 7.646 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion:113 Resp: 13741

Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.2	123.4
192	18.6	15.9	23.9

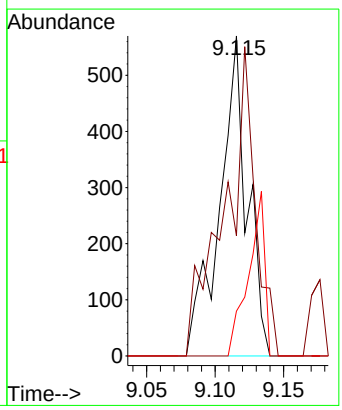


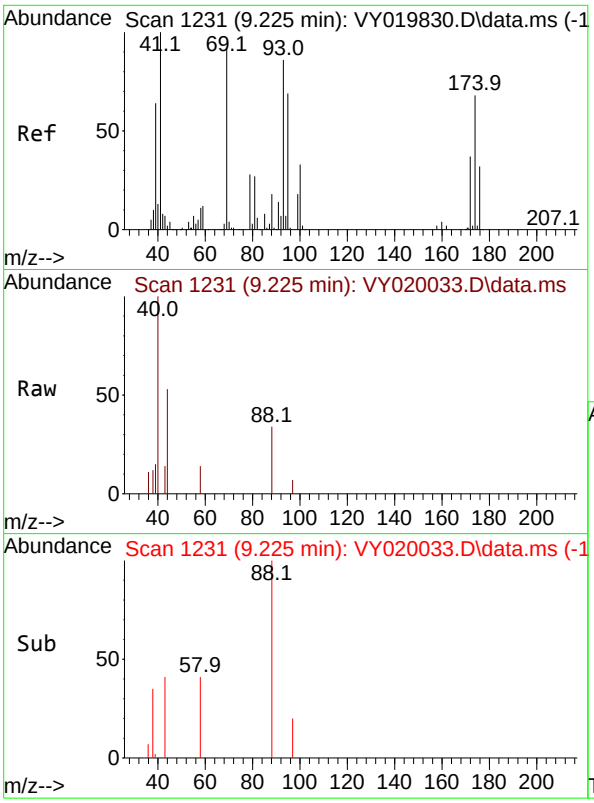


#39
Methylcyclohexane
Concen: 1.479 ug/l
RT: 9.115 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 83 Resp: 802

Ion	Ratio	Lower	Upper
83	100		
55	37.5	51.5	77.3#
98	14.0	40.5	60.7#



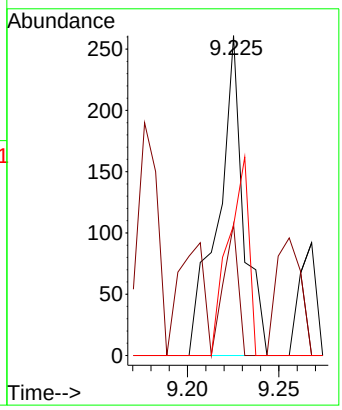


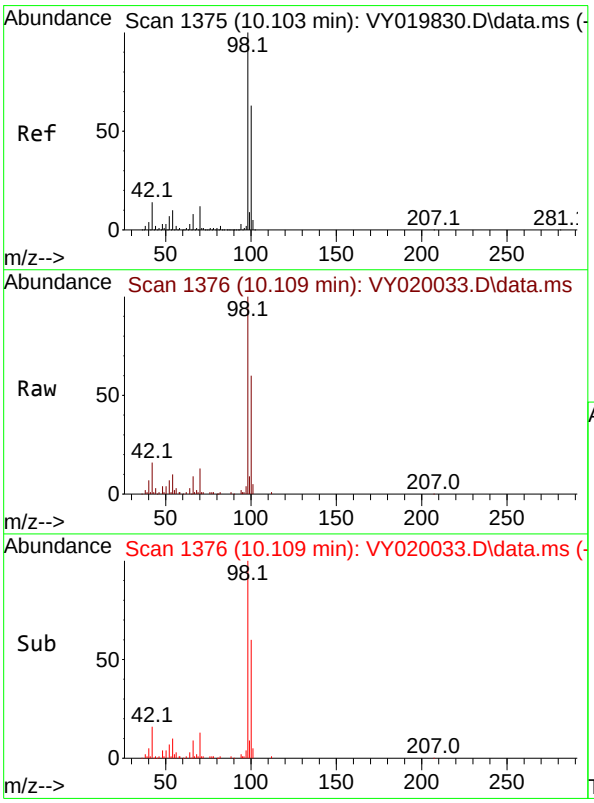
#49
1,4-Dioxane
Concen: 126.879 ug/l
RT: 9.225 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion: 88 Resp: 253

Ion	Ratio	Lower	Upper
88	100		
43	23.7	0.0	0.0#
58	50.2	49.3	73.9

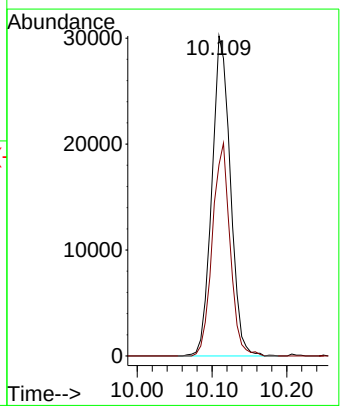


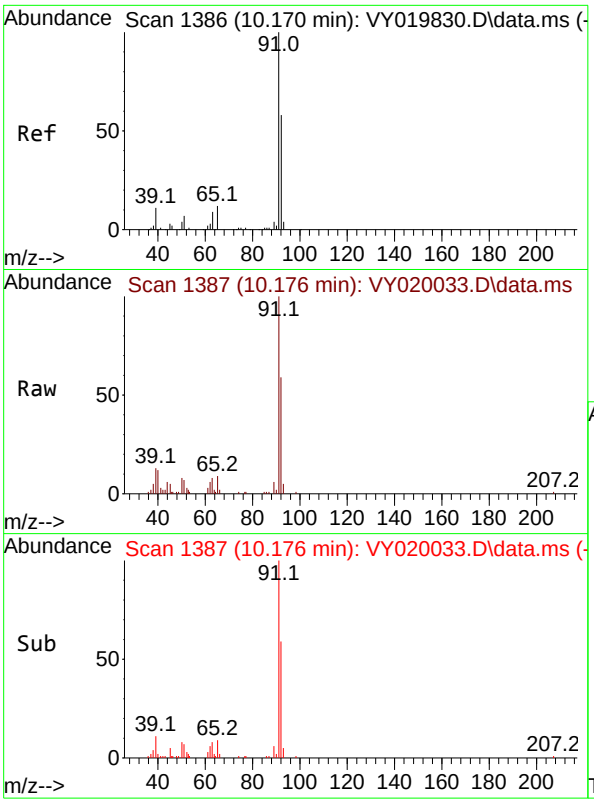


#50
Toluene-d8
Concen: 47.083 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 98 Resp: 51954

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0



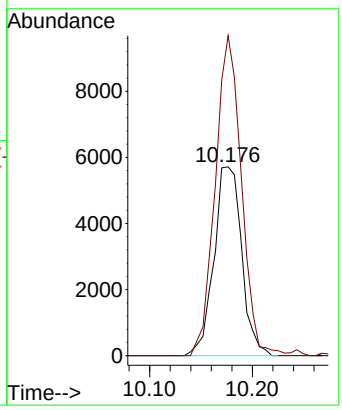


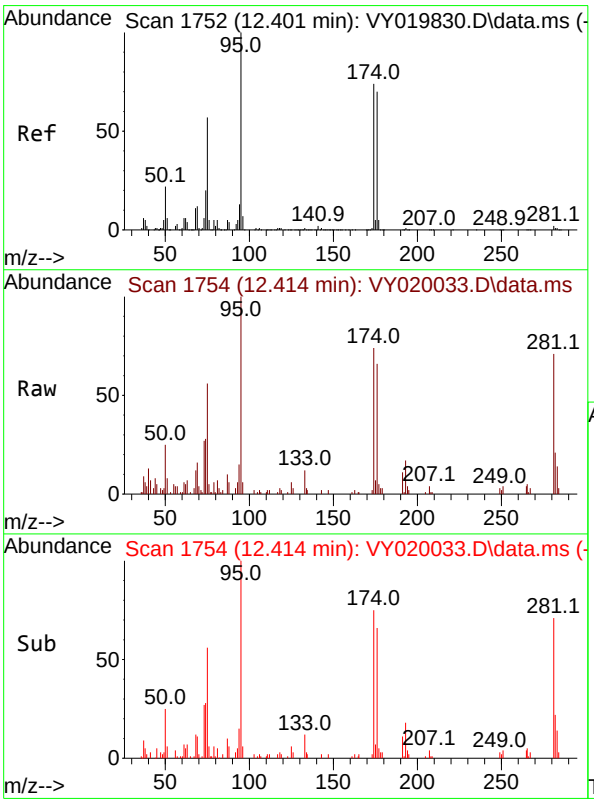
#52
Toluene
Concen: 13.123 ug/l
RT: 10.176 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion: 92 Resp: 10672

Ion	Ratio	Lower	Upper
92	100		
91	160.3	139.0	208.6

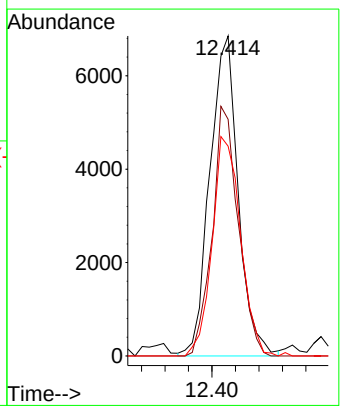


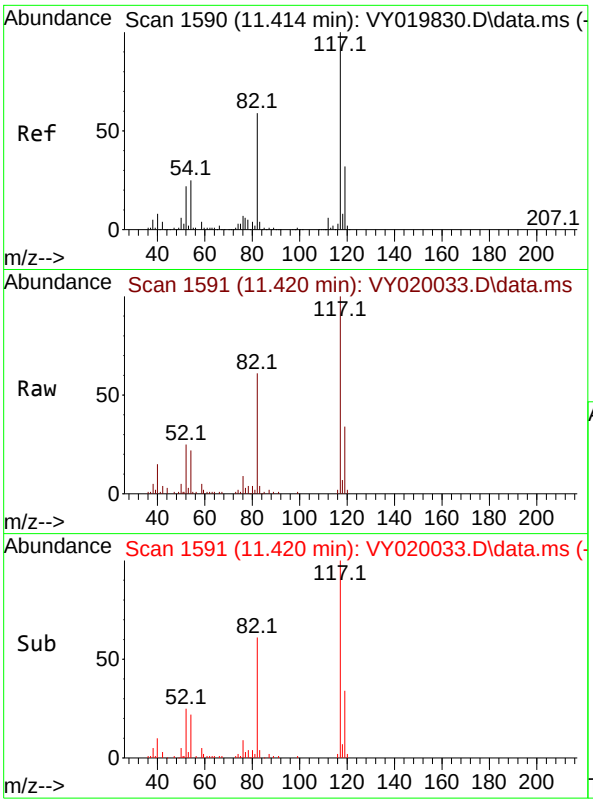


#62
4-Bromofluorobenzene
Concen: 28.836 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 95 Resp: 11497

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	175.6
176	68.6	0.0	171.4



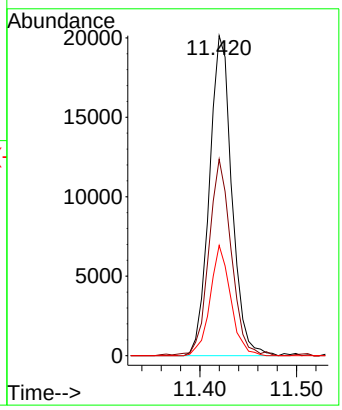


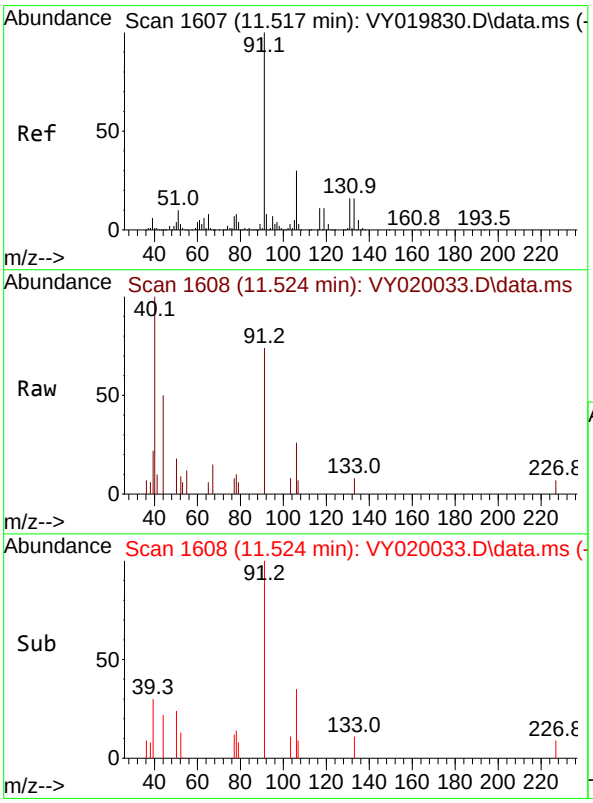
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion:117 Resp: 32489

Ion	Ratio	Lower	Upper
117	100		
82	61.4	42.4	63.6
119	34.5	25.9	38.9

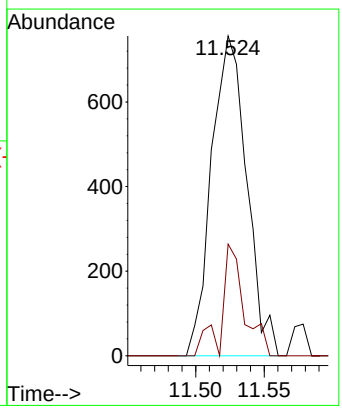


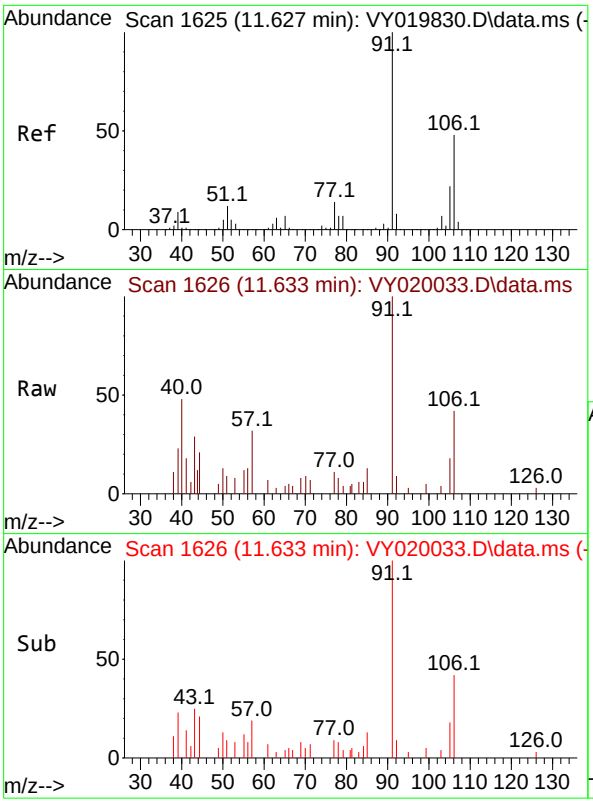


#67
Ethyl Benzene
Concen: 1.001 ug/l
RT: 11.524 min Scan# 1608
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion: 91 Resp: 1351

Ion	Ratio	Lower	Upper
91	100		
106	34.9	24.5	36.7



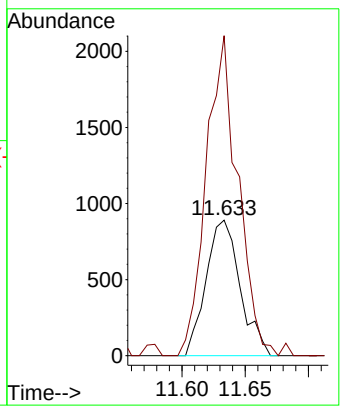


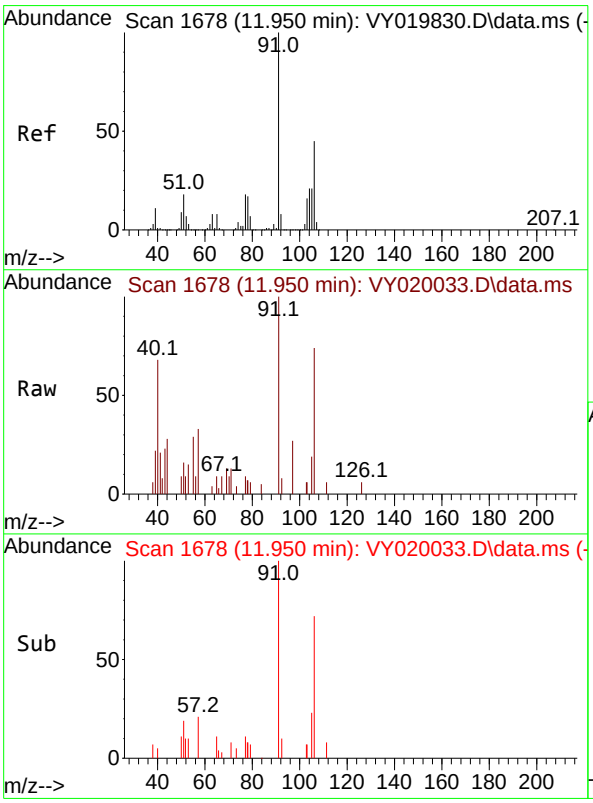
#68
m/p-Xylenes
Concen: 3.346 ug/l
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion:106 Resp: 1668

Ion	Ratio	Lower	Upper
106	100		
91	219.9	156.0	234.0

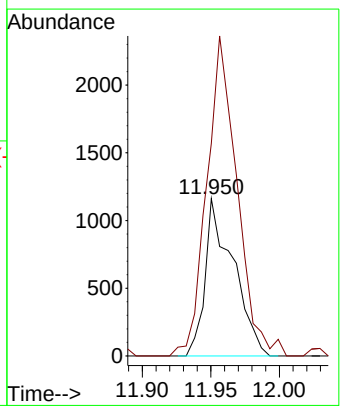


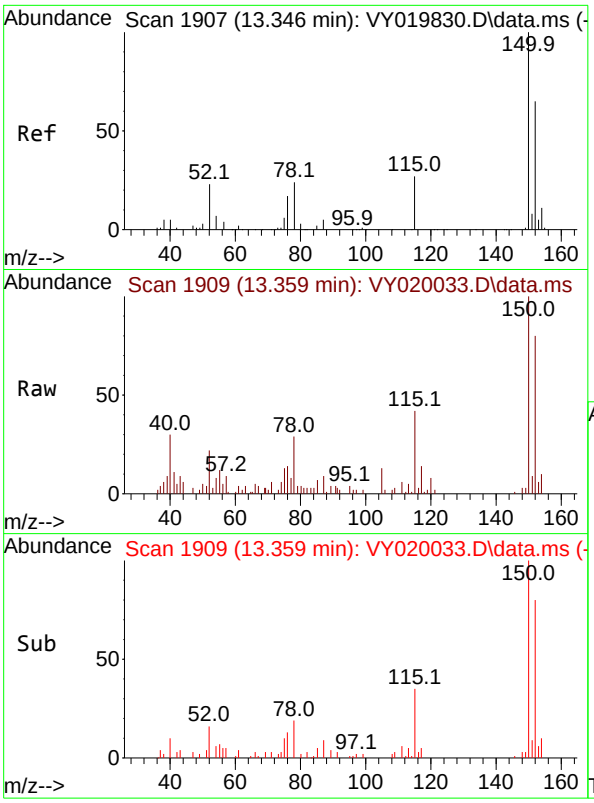


#69
o-Xylene
Concen: 3.463 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion:106 Resp: 1659

Ion	Ratio	Lower	Upper
106	100		
91	218.9	103.6	310.8



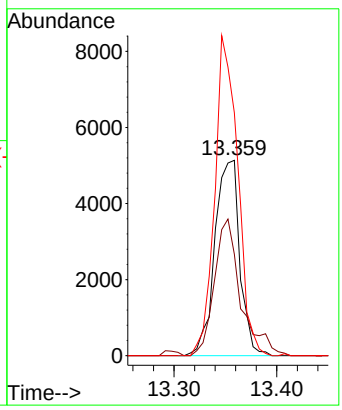


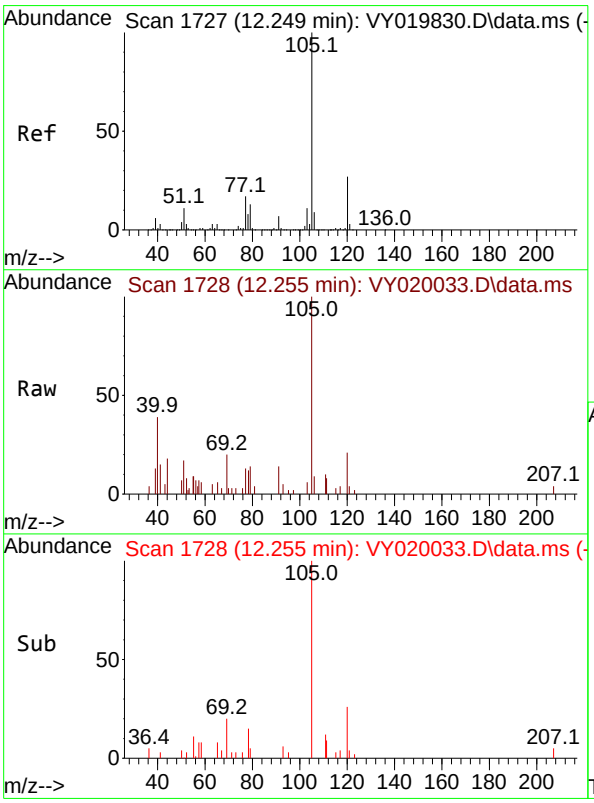
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion:152 Resp: 8668

Ion	Ratio	Lower	Upper
152	100		
115	74.1	28.2	84.7
150	150.9	0.0	345.6

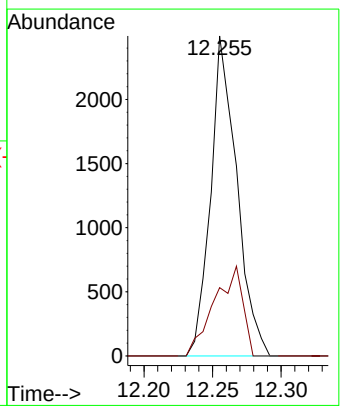


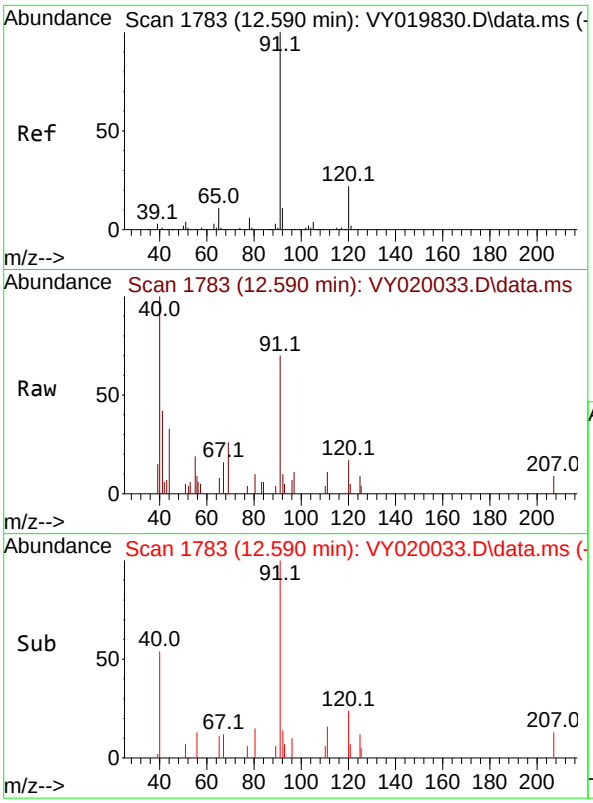


#73
Isopropylbenzene
Concen: 4.545 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion:105 Resp: 3314

Ion	Ratio	Lower	Upper
105	100		
120	30.7	13.4	40.1



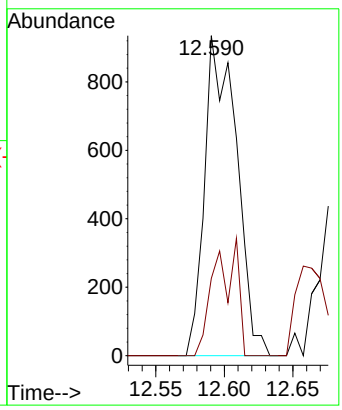


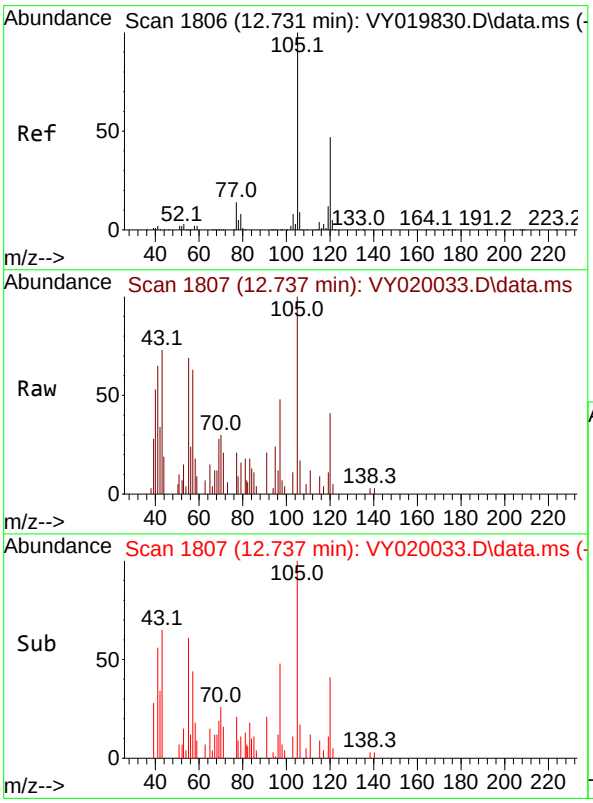
#78
n-propylbenzene
Concen: 1.717 ug/l
RT: 12.590 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion: 91 Resp: 1513

Ion	Ratio	Lower	Upper
91	100		
120	26.4	11.5	34.4

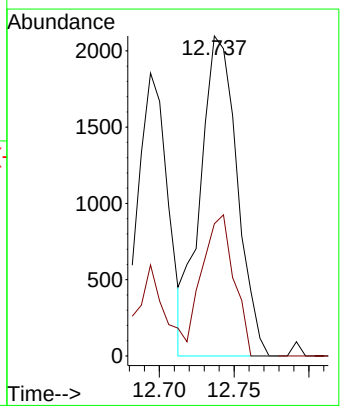


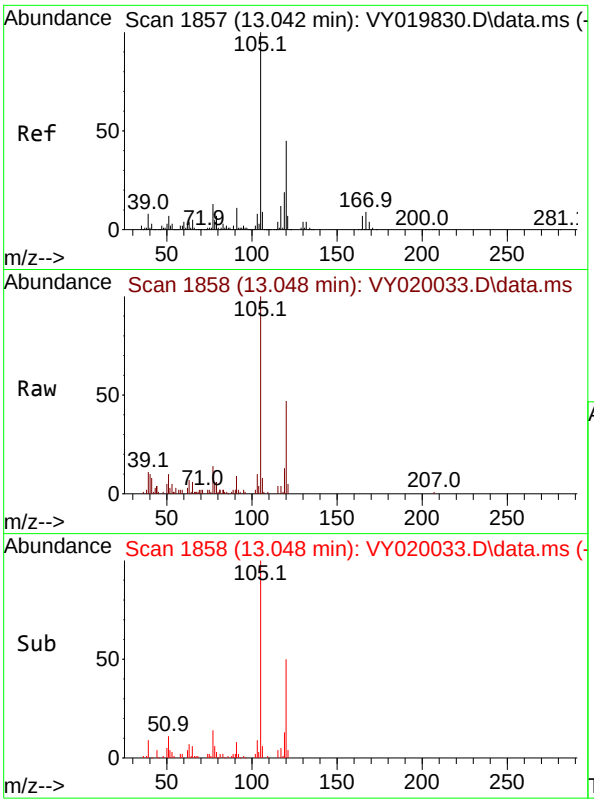


#80
1,3,5-Trimethylbenzene
Concen: 6.114 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion:105 Resp: 3600

Ion	Ratio	Lower	Upper
105	100		
120	38.1	25.1	75.2



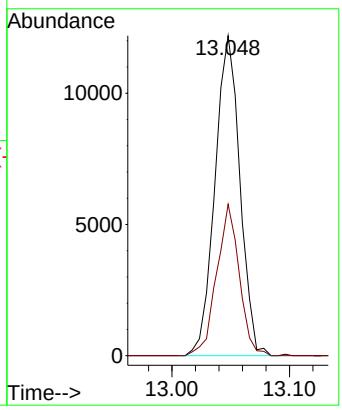


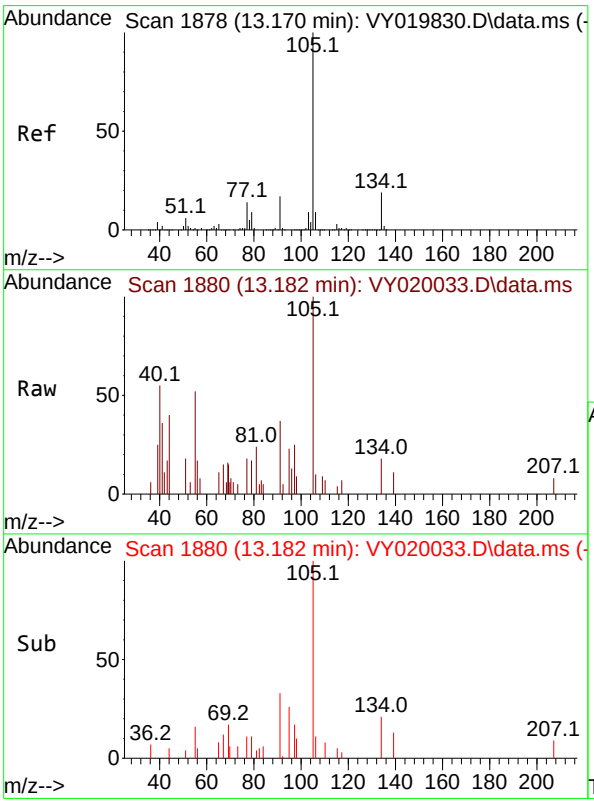
#84
1,2,4-Trimethylbenzene
Concen: 30.825 ug/l
RT: 13.048 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion:105 Resp: 17995

Ion	Ratio	Lower	Upper
105	100		
120	42.9	23.2	69.6

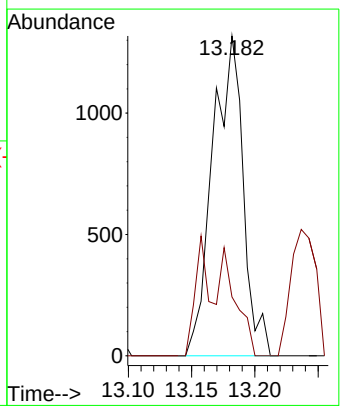


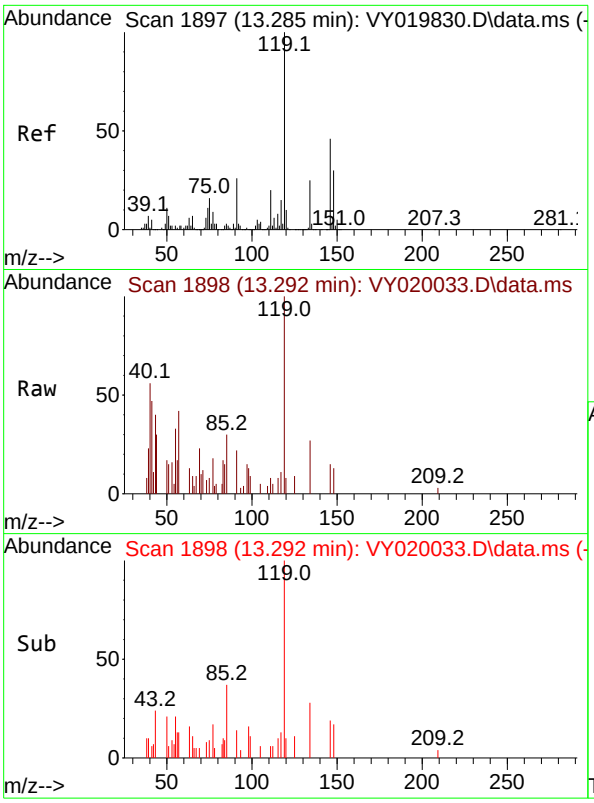


#85
sec-Butylbenzene
Concen: 2.809 ug/l
RT: 13.182 min Scan# 1880
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion:105 Resp: 2214

Ion	Ratio	Lower	Upper
105	100		
134	17.1	10.1	30.1



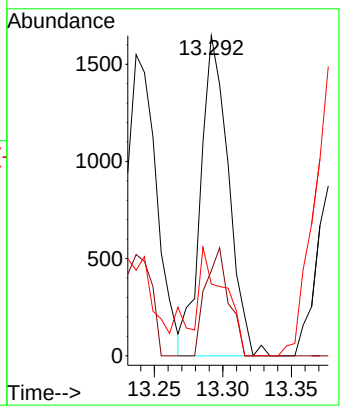


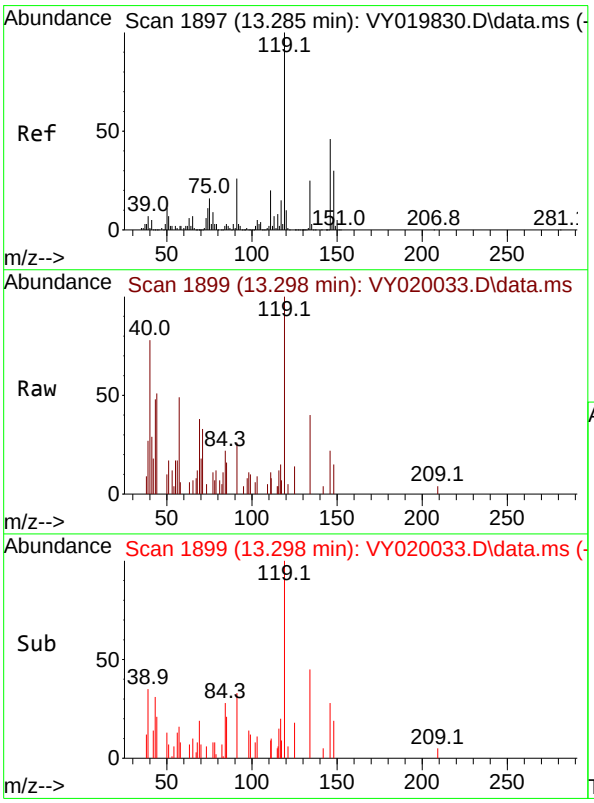
#86
p-Isopropyltoluene
Concen: 3.631 ug/l
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion:119 Resp: 2324

Ion	Ratio	Lower	Upper
119	100		
134	28.4	13.1	39.3
91	31.4	10.7	32.1

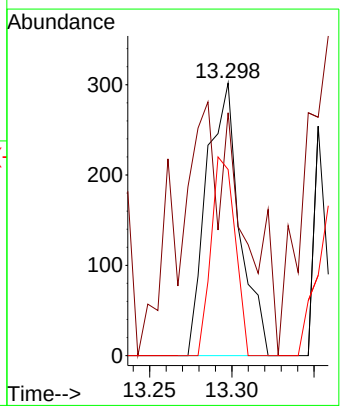


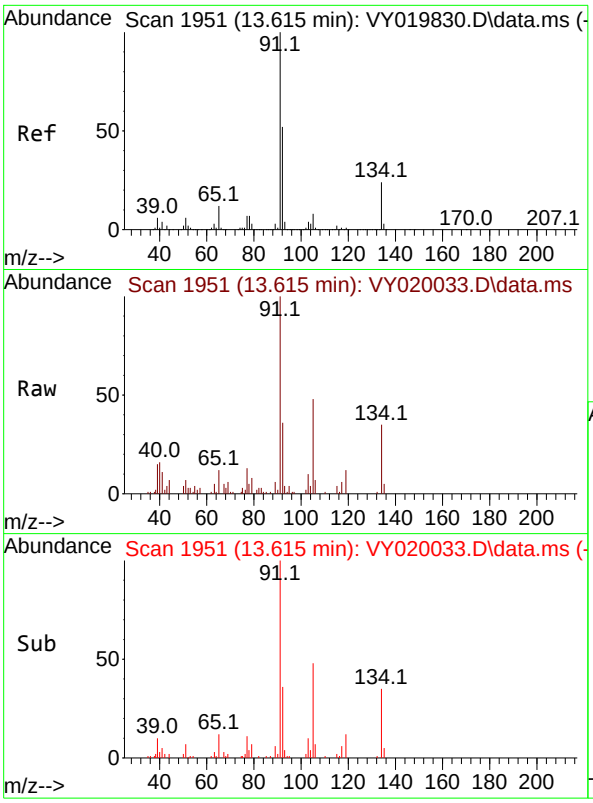


#87
1,3-Dichlorobenzene
Concen: 1.357 ug/l
RT: 13.298 min Scan# 1899
Delta R.T. 0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Tgt Ion:146 Resp: 424

Ion	Ratio	Lower	Upper
146	100		
111	176.7	19.0	57.0#
148	52.8	31.7	95.1



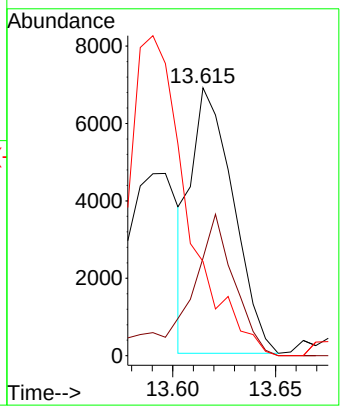


#89
n-Butylbenzene
Concen: 15.612 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020033.D
Acq: 28 Oct 2024 11:56

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Tgt Ion: 91 Resp: 9756

Ion	Ratio	Lower	Upper
91	100		
92	57.3	26.6	79.7
134	0.0	12.9	38.7#



Sample Results: **VY020033.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY020033.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.080	58	59	63	rBV4	2426	3689	1.17%	0.090%
2	2.476	118	124	126	rBV4	2502	3344	1.06%	0.081%
3	2.586	135	142	143	rBV4	2079	4719	1.50%	0.115%
4	2.647	150	152	155	rVB4	3399	3152	1.00%	0.077%
5	4.110	388	392	400	rVB4	1403	3393	1.08%	0.083%
6	4.397	437	439	449	rVB3	3557	7744	2.46%	0.189%
7	4.628	471	477	481	rBV6	2221	4513	1.43%	0.110%
8	7.640	960	971	976	rBV2	19704	46816	14.88%	1.140%
9	7.713	977	983	995	rVB2	40678	96029	30.53%	2.339%
10	8.073	1032	1042	1051	rBV2	17535	40460	12.86%	0.986%
11	8.622	1125	1132	1143	rBV2	59337	119919	38.12%	2.921%
12	9.122	1210	1214	1218	rVB4	2928	5152	1.64%	0.125%
13	10.109	1369	1376	1383	rBV	84969	154882	49.23%	3.773%
14	10.176	1383	1387	1396	rVB	25834	45967	14.61%	1.120%
15	10.451	1428	1432	1437	rVB6	2382	4241	1.35%	0.103%
16	10.554	1443	1449	1453	rVB8	1768	4169	1.33%	0.102%
17	10.731	1474	1478	1484	rBV5	4217	6370	2.02%	0.155%
18	10.841	1493	1496	1500	rVB5	2875	4189	1.33%	0.102%
19	10.969	1513	1517	1521	rVB5	3371	5360	1.70%	0.131%
20	11.024	1521	1526	1531	rVB4	6646	10948	3.48%	0.267%
21	11.079	1531	1535	1539	rVB4	2381	3297	1.05%	0.080%
22	11.133	1539	1544	1549	rBV5	4210	8140	2.59%	0.198%
23	11.219	1551	1558	1564	rVB8	5719	14856	4.72%	0.362%
24	11.310	1567	1573	1577	rBV3	5237	8371	2.66%	0.204%
25	11.420	1584	1591	1601	rBV	68108	115897	36.84%	2.823%
26	11.639	1617	1627	1630	rBV7	9496	25693	8.17%	0.626%
27	11.713	1636	1639	1645	rVB6	3966	4936	1.57%	0.120%
28	11.932	1669	1675	1676	rBV5	7255	9984	3.17%	0.243%
29	12.054	1691	1695	1703	rVB7	4830	6675	2.12%	0.163%
30	12.133	1703	1708	1710	rBV4	4966	7585	2.41%	0.185%
31	12.170	1710	1714	1721	rVV6	9047	15750	5.01%	0.384%
32	12.255	1725	1728	1733	rVV4	6556	9846	3.13%	0.240%
33	12.310	1733	1737	1741	rVV7	3398	6941	2.21%	0.169%
34	12.347	1741	1743	1748	rVB3	2986	3756	1.19%	0.091%
35	12.414	1748	1754	1764	rBV3	53185	97177	30.89%	2.367%
36	12.505	1764	1769	1771	rBV6	2401	3188	1.01%	0.078%

Sample Results: **VY020033.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

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\82Y100924S.M
Title : SW846 8260

37	12.572	1777	1780	1788	rVB5	5643	12332	3.92%	0.300%
38	12.664	1788	1795	1796	rBV7	6356	10561	3.36%	0.257%
39	12.694	1796	1800	1802	rVV5	5030	7383	2.35%	0.180%
40	12.737	1802	1807	1813	rVB7	15378	29757	9.46%	0.725%
41	12.901	1827	1834	1838	rBV2	11905	22428	7.13%	0.546%
42	12.968	1842	1845	1848	rVV5	5688	7576	2.41%	0.185%
43	13.048	1852	1858	1864	rBV	38498	57828	18.38%	1.409%
44	13.170	1871	1878	1883	rBV	4940	10825	3.44%	0.264%
45	13.243	1885	1890	1894	rVV6	10678	19461	6.19%	0.474%
46	13.292	1894	1898	1902	rVV6	7251	13867	4.41%	0.338%
47	13.353	1902	1908	1910	rVV2	37946	67478	21.45%	1.644%
48	13.383	1910	1913	1919	rVB2	43581	62775	19.95%	1.529%
49	13.548	1931	1940	1944	rBV2	70262	136438	43.37%	3.324%
50	13.590	1944	1947	1956	rVB5	78411	149479	47.52%	3.641%
51	13.676	1956	1961	1965	rBV5	19614	32904	10.46%	0.802%
52	13.749	1969	1973	1978	rVV2	24634	37272	11.85%	0.908%
53	13.810	1978	1983	1985	rVV	68174	99767	31.71%	2.430%
54	13.840	1985	1988	1992	rVV	83117	117987	37.51%	2.874%
55	13.895	1992	1997	2003	rVB2	208244	314584	100.00%	7.663%
56	13.950	2003	2006	2009	rVB5	4409	5331	1.69%	0.130%
57	14.005	2009	2015	2020	rBV3	70244	112183	35.66%	2.733%
58	14.078	2020	2027	2031	rBV7	12585	33495	10.65%	0.816%
59	14.139	2031	2037	2041	rBV	52165	88858	28.25%	2.164%
60	14.218	2041	2050	2053	rVV	128018	232976	74.06%	5.675%
61	14.255	2053	2056	2061	rVV	187833	281603	89.52%	6.860%
62	14.304	2061	2064	2068	rVV2	64928	94943	30.18%	2.313%
63	14.340	2068	2070	2077	rVV2	37152	55549	17.66%	1.353%
64	14.401	2078	2080	2083	rVB3	8267	9275	2.95%	0.226%
65	14.444	2083	2087	2090	rBV3	20228	27058	8.60%	0.659%
66	14.486	2090	2094	2098	rVV	89523	135130	42.96%	3.292%
67	14.535	2098	2102	2106	rVB	91636	123528	39.27%	3.009%
68	14.602	2106	2113	2118	rBV3	144366	305033	96.96%	7.430%
69	14.657	2118	2122	2128	rVB4	47176	84601	26.89%	2.061%
70	14.724	2128	2133	2135	rBV6	7114	12805	4.07%	0.312%
71	14.864	2151	2156	2163	rBV3	19217	36633	11.64%	0.892%
72	14.925	2164	2166	2167	rVV2	6434	4665	1.48%	0.114%
73	14.968	2167	2173	2177	rVV6	14446	31077	9.88%	0.757%
74	15.011	2177	2180	2184	rVV5	9951	18681	5.94%	0.455%
75	15.053	2184	2187	2193	rVB5	21101	37779	12.01%	0.920%
76	15.121	2193	2198	2206	rBV3	32630	78428	24.93%	1.910%

Sample Results: **VY020033.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

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\82Y100924S.M
Title : SW846 8260

77	15.346	2231	2235	2242	rVB	62033	91934	29.22%	2.239%
78	15.425	2244	2248	2249	rBV4	4581	6016	1.91%	0.147%
79	15.791	2304	2308	2309	rBV4	2840	3654	1.16%	0.089%
80	15.864	2317	2320	2325	rVB7	3065	4818	1.53%	0.117%
81	15.919	2325	2329	2331	rBV5	4733	7894	2.51%	0.192%
82	15.980	2337	2339	2346	rVB6	5794	9587	3.05%	0.234%
83	16.053	2348	2351	2357	rVB7	6801	12892	4.10%	0.314%
84	16.254	2379	2384	2390	rBV	12702	21258	6.76%	0.518%
85	16.364	2399	2402	2405	rBV4	3727	6563	2.09%	0.160%
86	16.492	2416	2423	2427	rBV9	1180	3152	1.00%	0.077%

Sum of corrected areas: 4105249

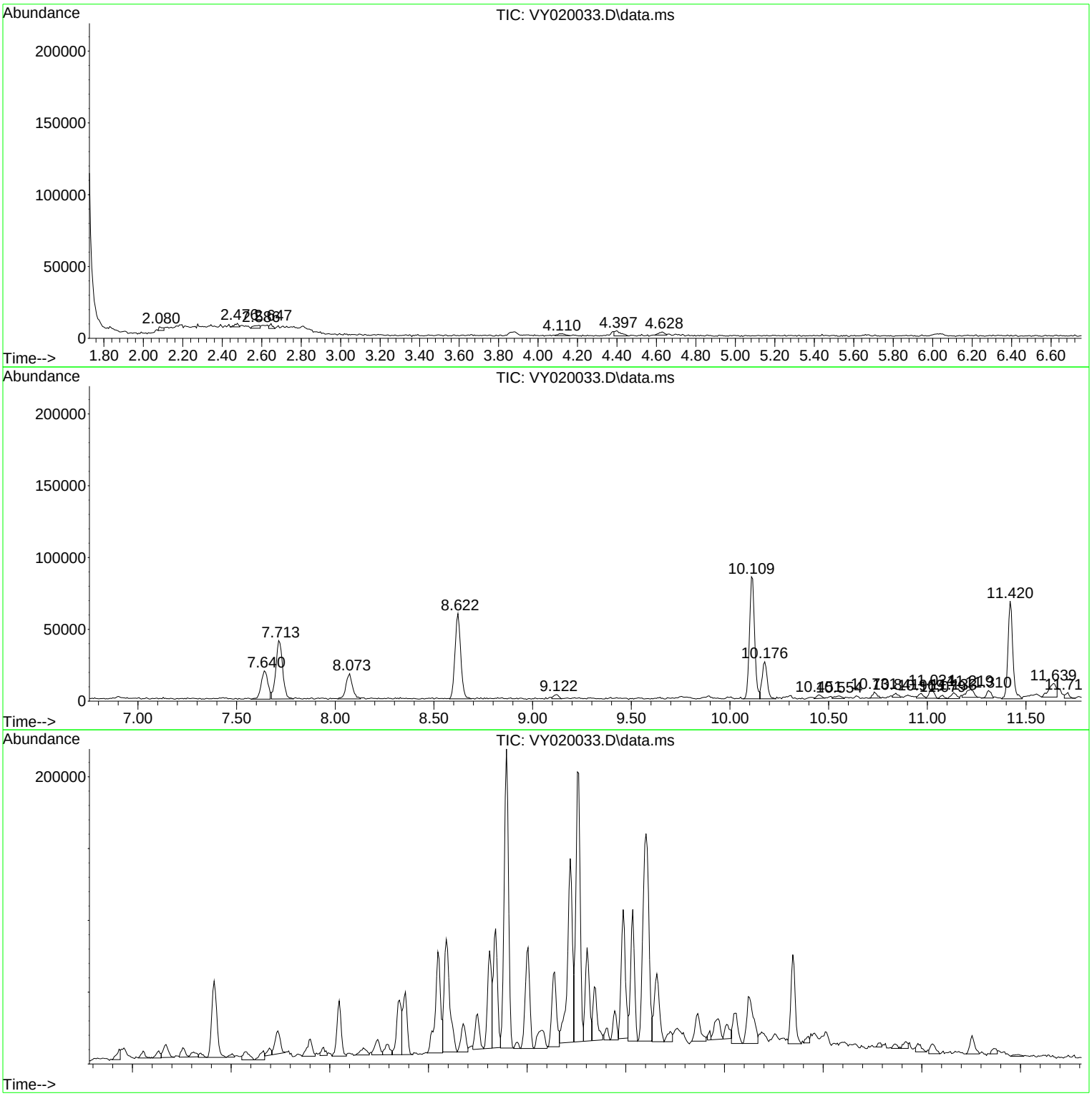
Sample Results: **VY020033.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

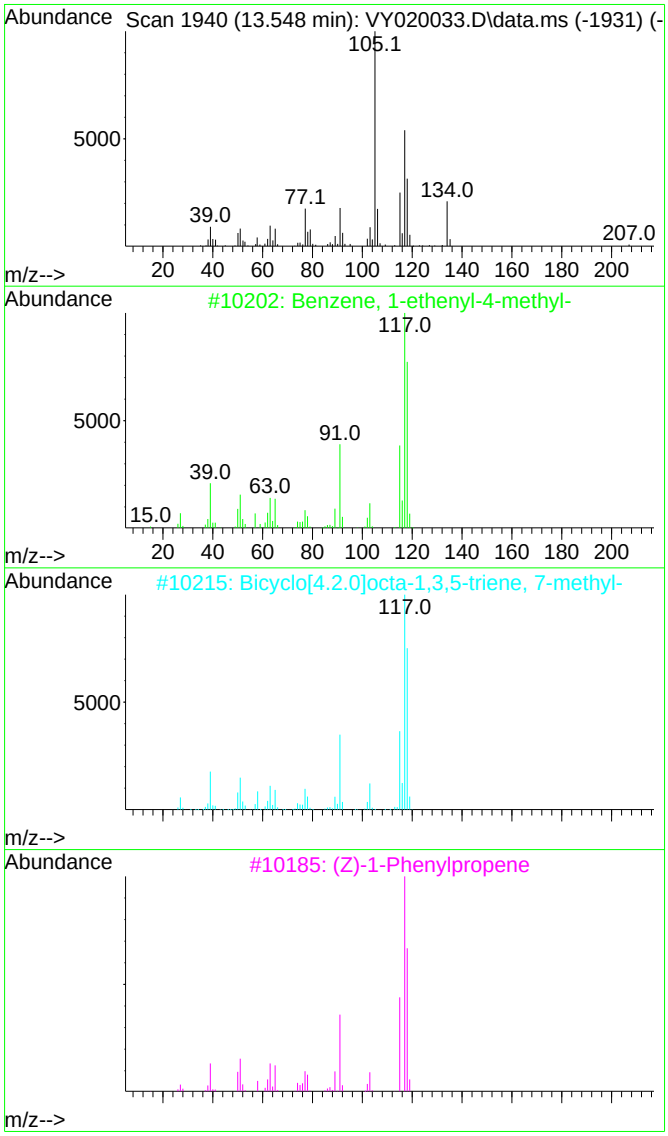
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

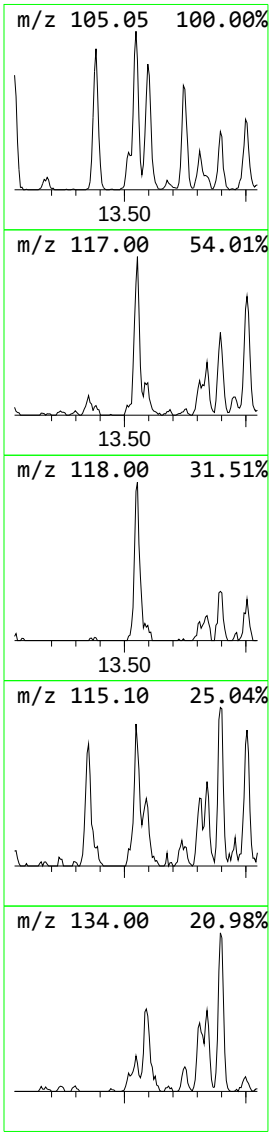
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethenyl-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.548	101.10 ug/l	136438	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	86
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	50
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	50
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	50
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

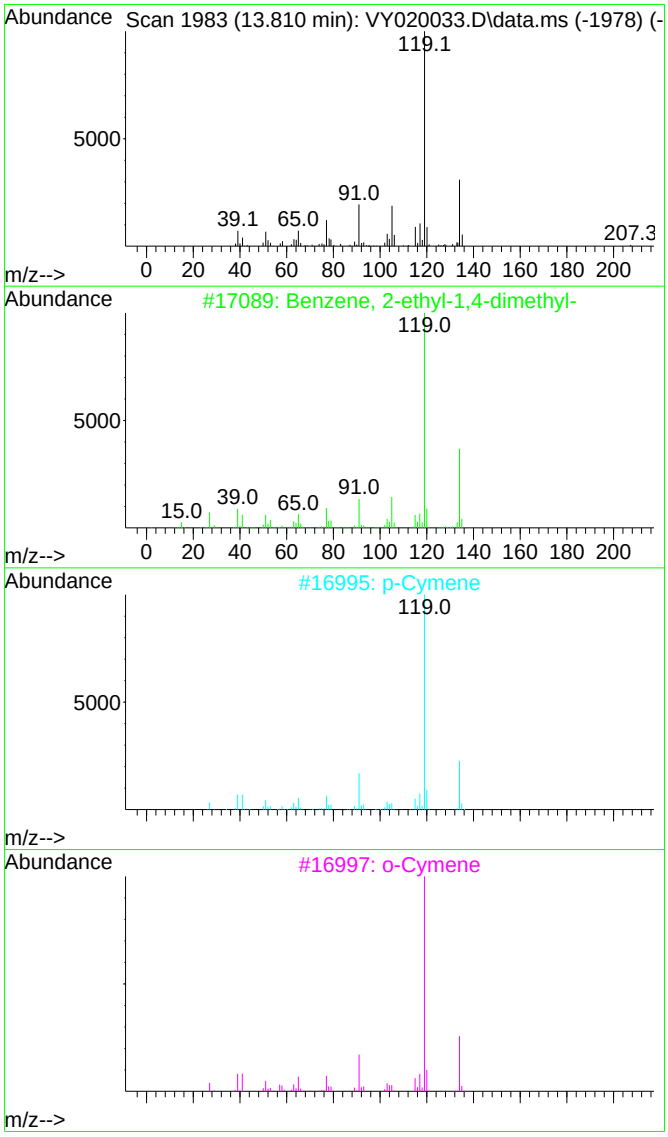
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

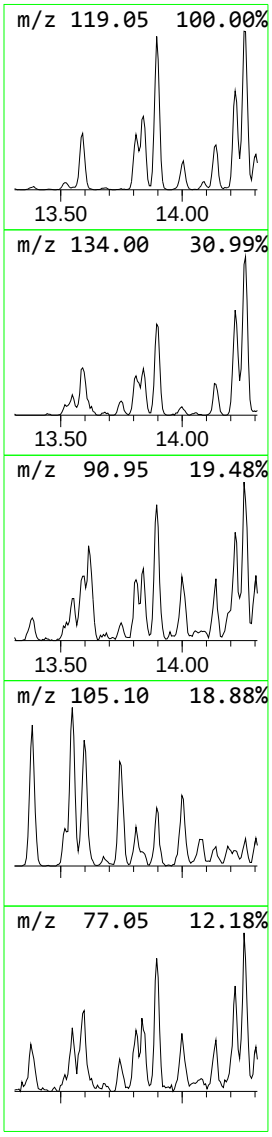
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.810	73.93 ug/l	99767	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	p-Cymene	134	C10H14	000099-87-6	94
3	o-Cymene	134	C10H14	000527-84-4	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

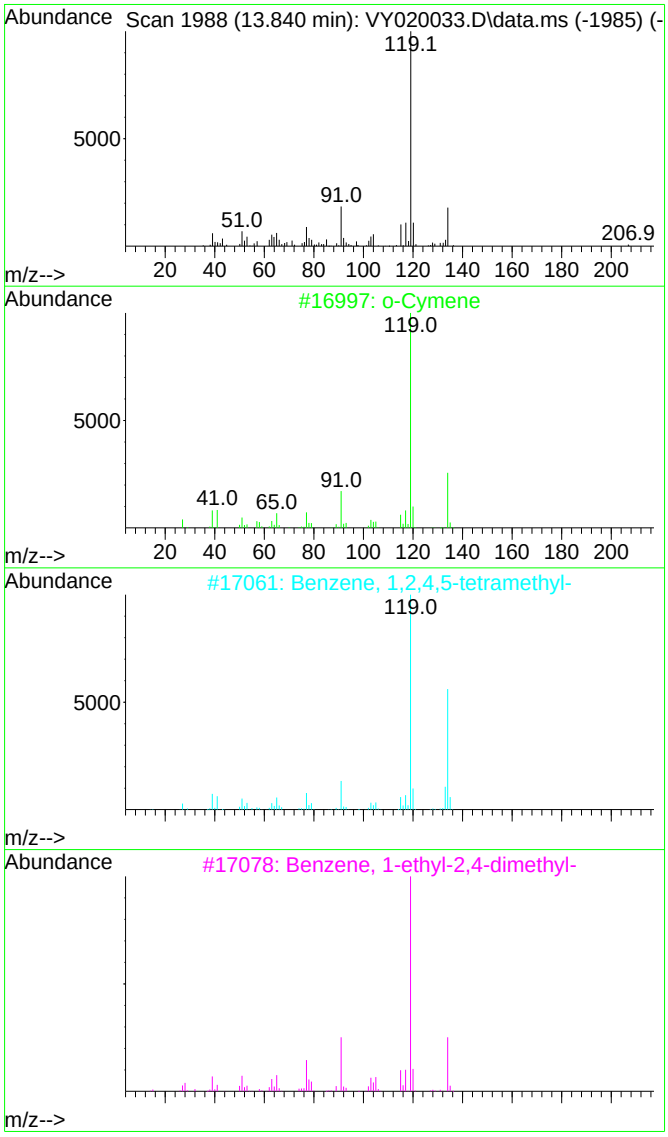
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

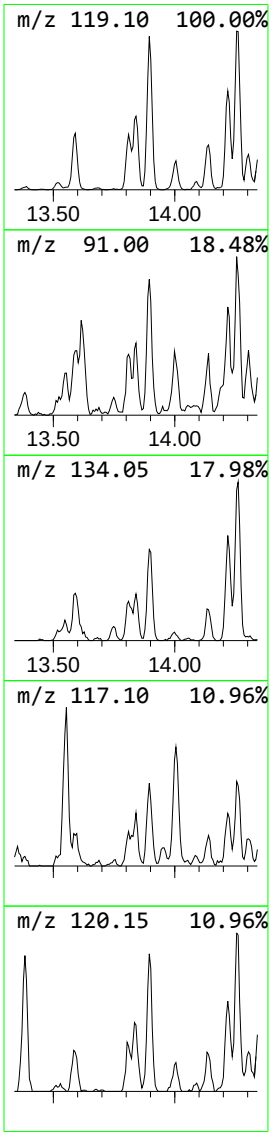
****

Peak Number 3 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.840	87.43 ug/l	117987	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	91
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

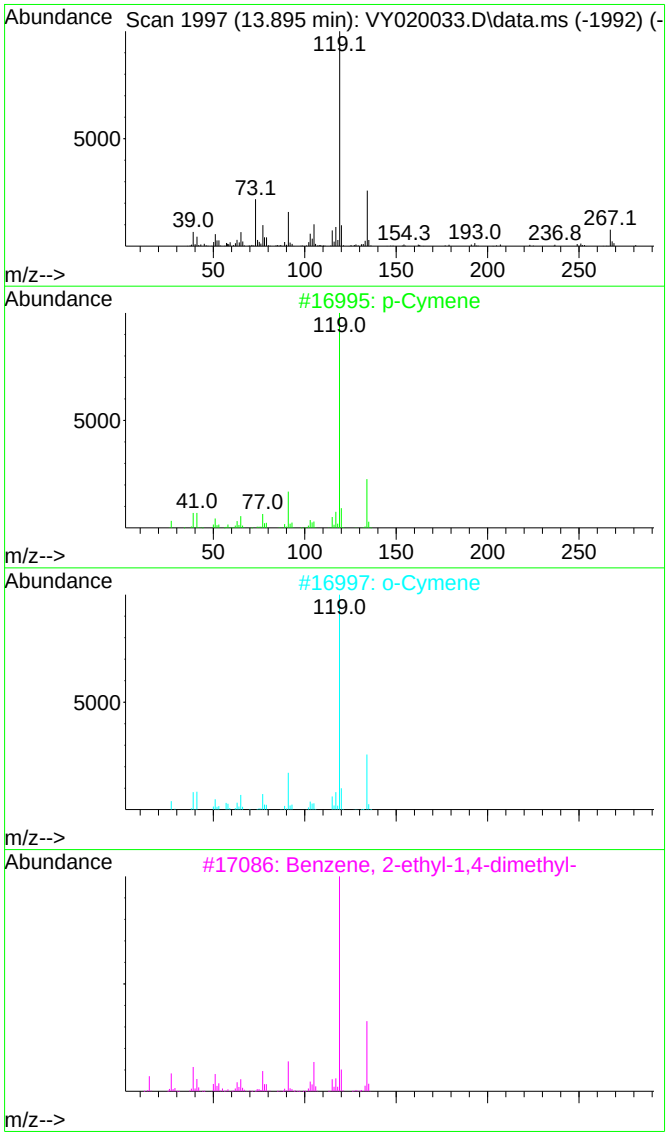
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

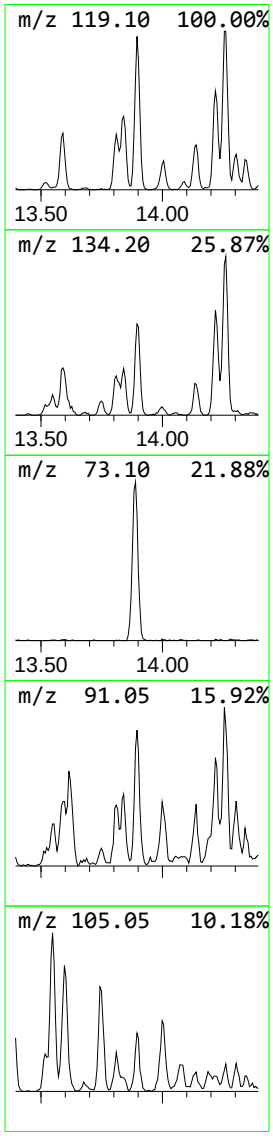
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.895	233.10 ug/l	314584	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

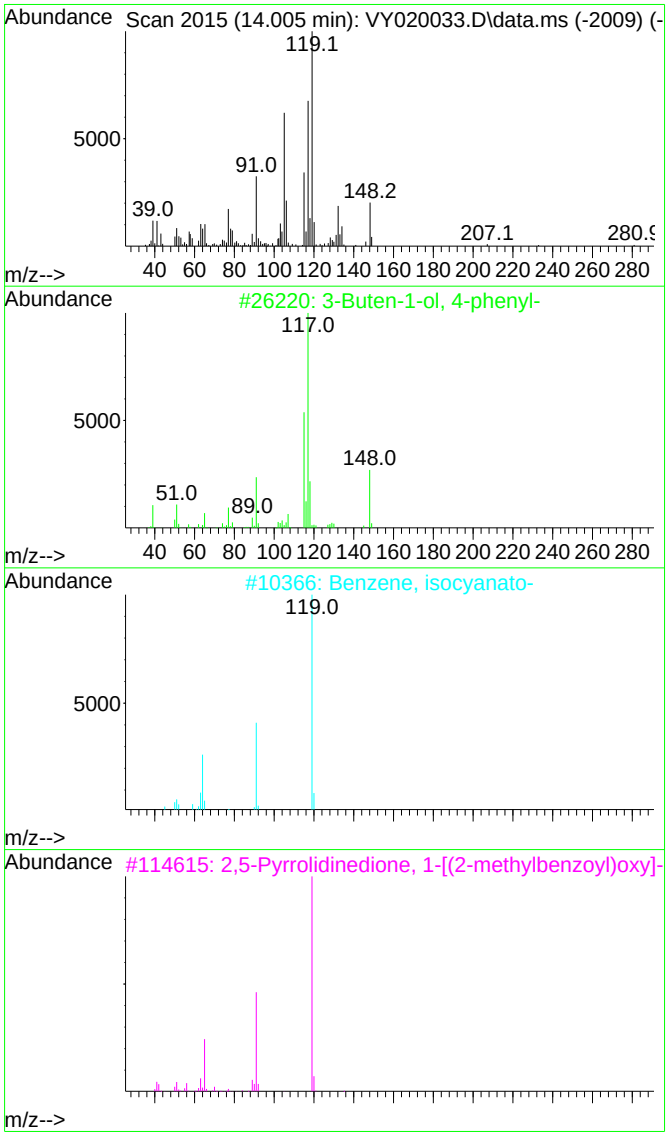
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

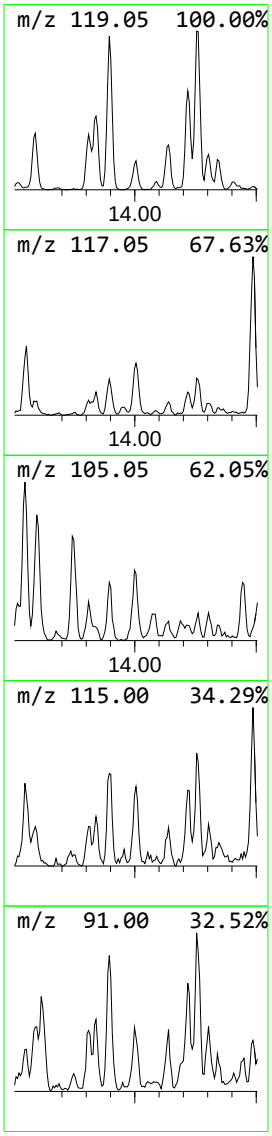
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 unknown14.005 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.005	83.13 ug/l	112183	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-1-ol, 4-phenyl-	148	C10H12O	000937-58-6	42
2	Benzene, isocyanato-	119	C7H5NO	000103-71-9	38
3	2,5-Pyrrolidinedione, 1-[(2-meth...	233	C12H11NO4	110920-14-4	38
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	35
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

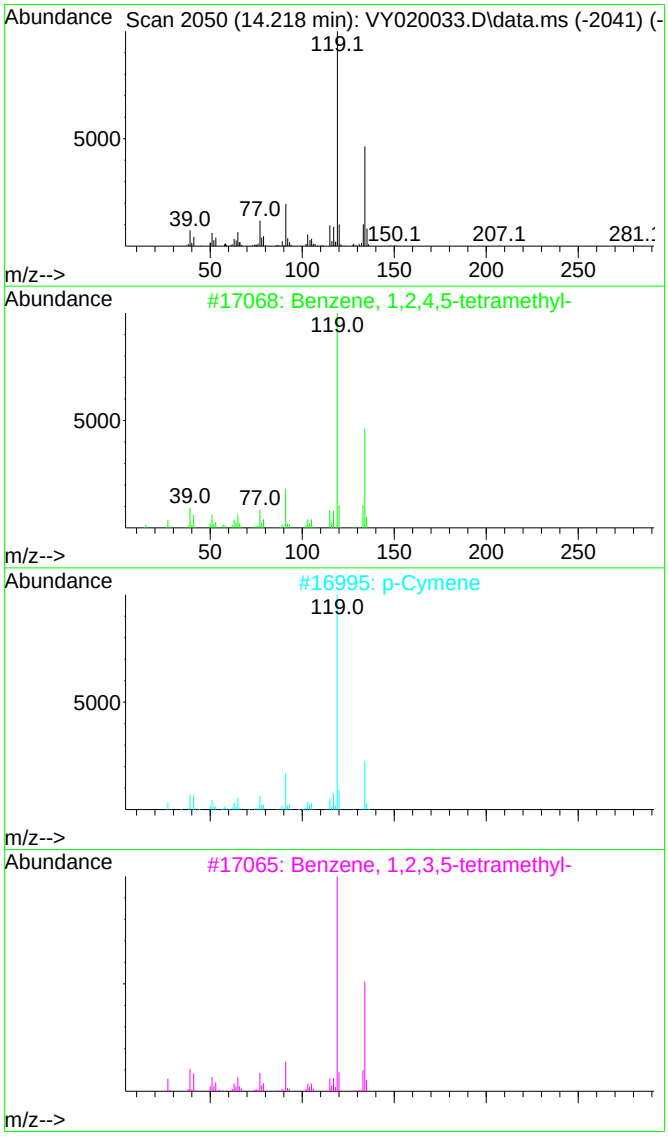
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

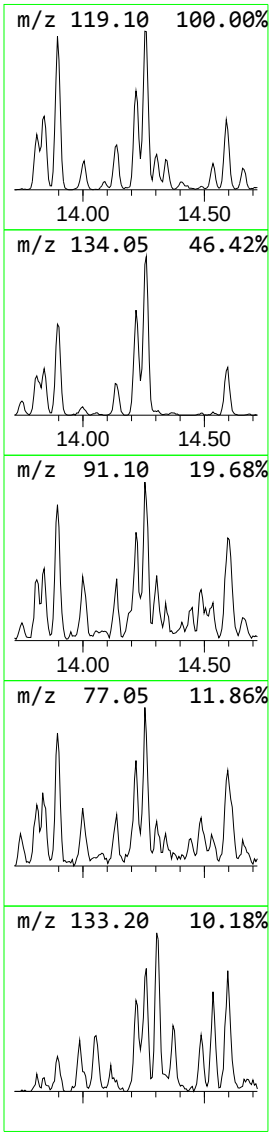
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.218	172.63 ug/l	232976	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	p-Cymene	134	C10H14	000099-87-6	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

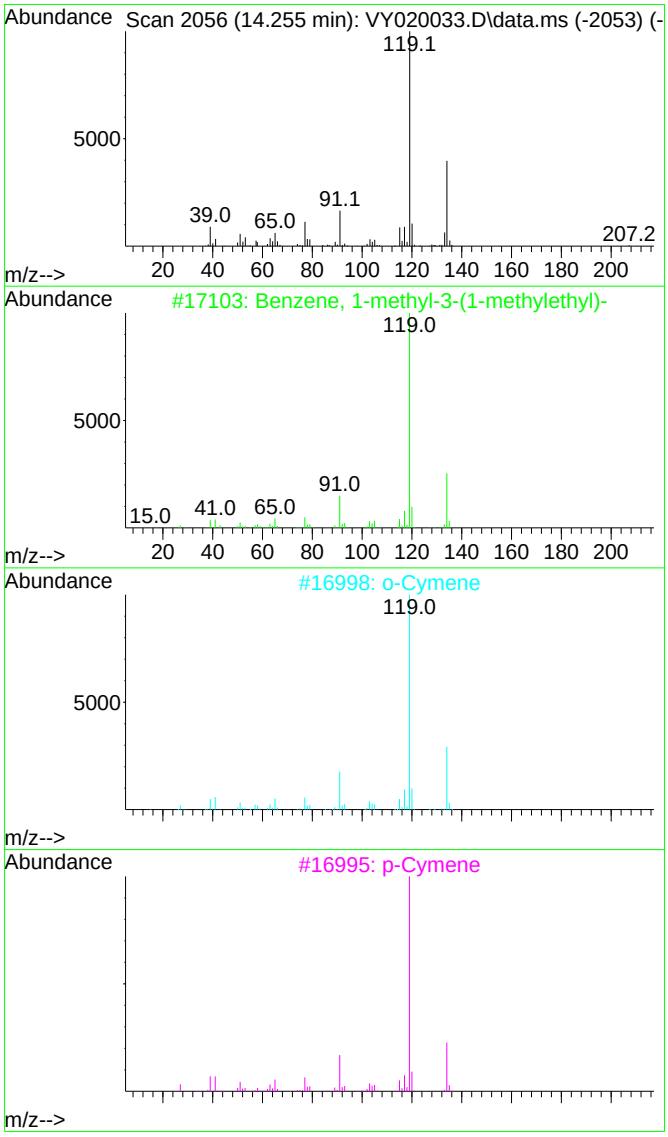
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

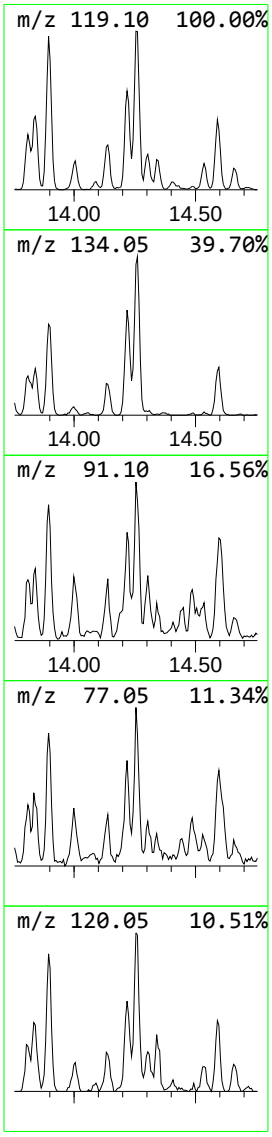
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	208.66 ug/l	281603	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	o-Cymene	134	C10H14	000527-84-4	91
3	p-Cymene	134	C10H14	000099-87-6	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

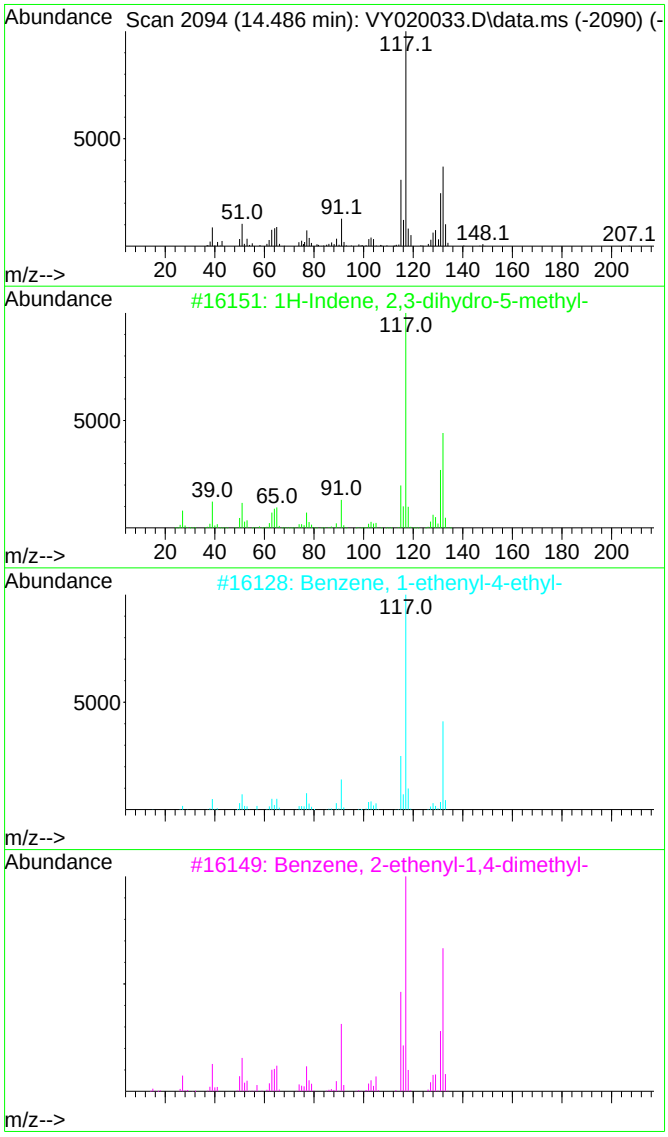
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

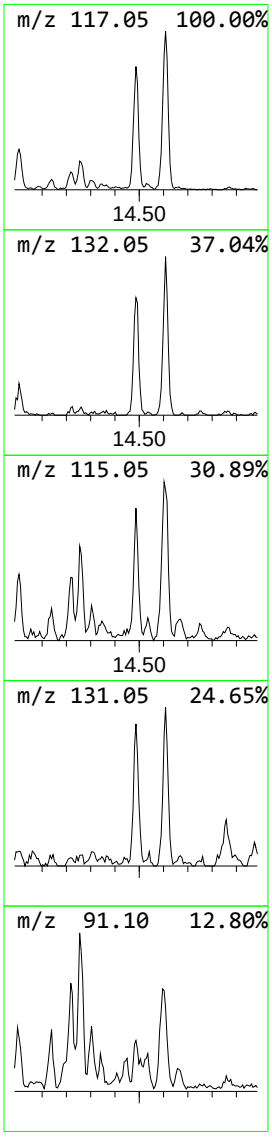
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.486	100.13 ug/l	135130	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

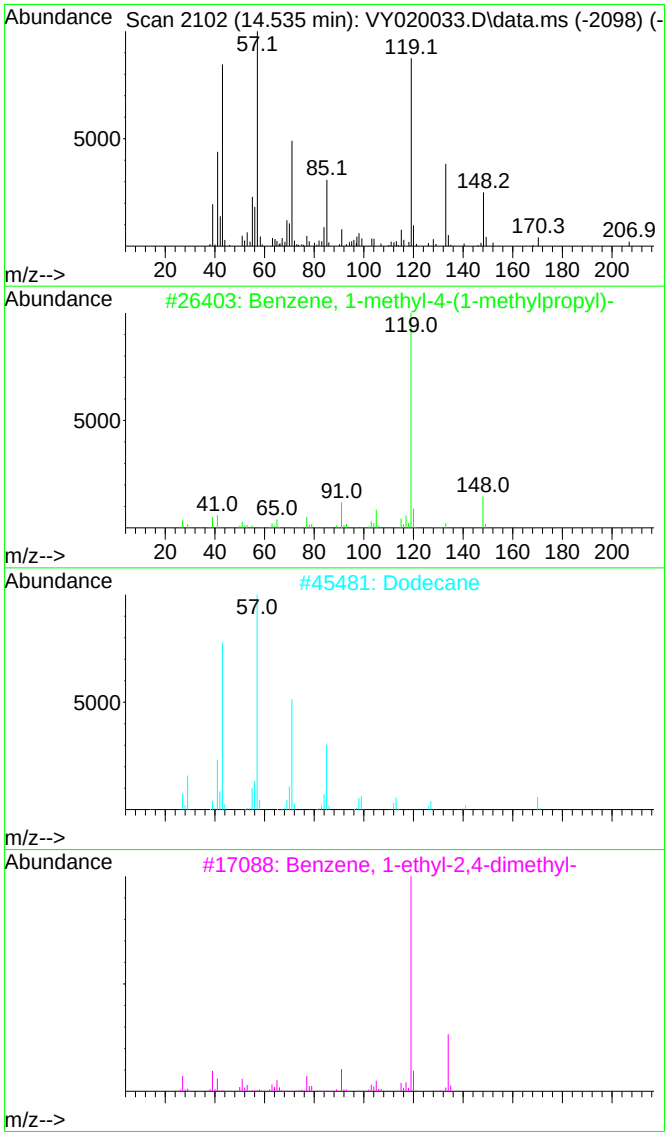
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

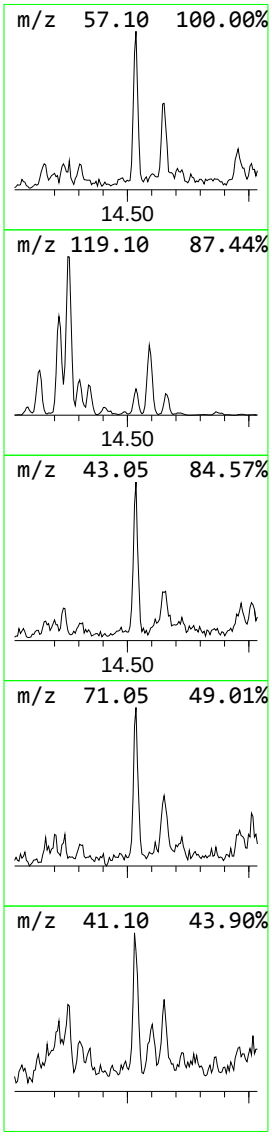
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 unknown14.535 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.535	91.53 ug/l	123528	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	38
2	Dodecane	170	C12H26	000112-40-3	30
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	30
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	30
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

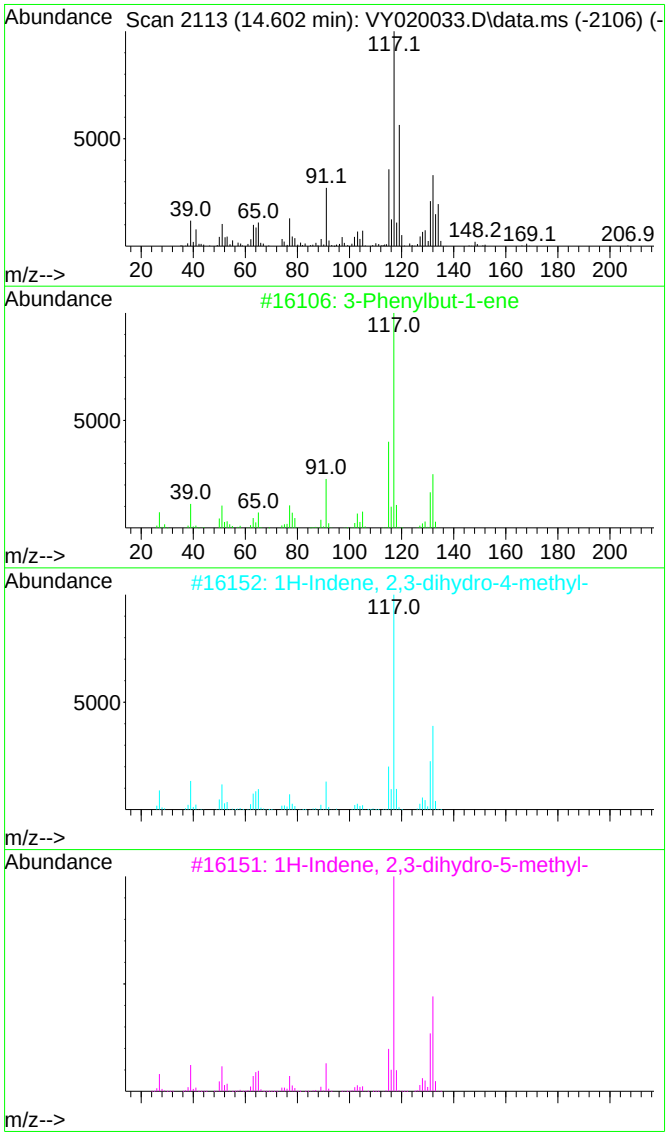
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

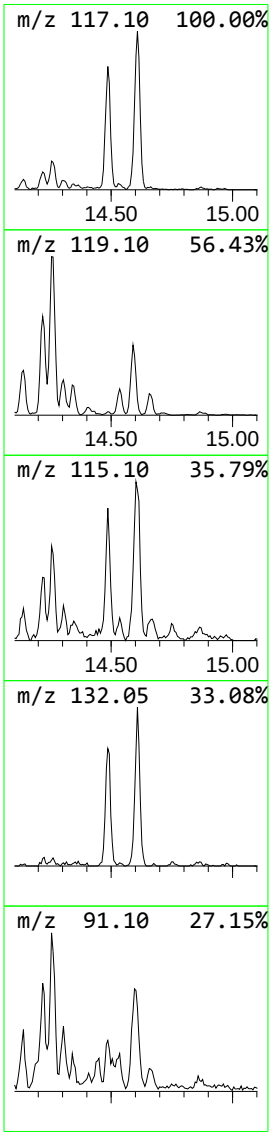
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 3-Phenylbut-1-ene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	226.02 ug/l	305033	1,4-Dichlorobenzene-d4	13.359

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	92
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020033.D
Acq On : 28 Oct 2024 11:56
Operator : SY/MD
Sample : P4578-03
Misc : 5.99g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethe...	13.548	101.1	ug/l	136438	4	13.359	67478	50.0
Benzene, 2-ethy...	13.810	73.9	ug/l	99767	4	13.359	67478	50.0
o-Cymene	13.840	87.4	ug/l	117987	4	13.359	67478	50.0
Benzene, 2-ethy...	13.895	233.1	ug/l	314584	4	13.359	67478	50.0
unknown14.005	14.005	83.1	ug/l	112183	4	13.359	67478	50.0
Benzene, 1,2,4,...	14.218	172.6	ug/l	232976	4	13.359	67478	50.0
Benzene, 1-meth...	14.255	208.7	ug/l	281603	4	13.359	67478	50.0
1H-Indene, 2,3-...	14.486	100.1	ug/l	135130	4	13.359	67478	50.0
unknown14.535	14.535	91.5	ug/l	123528	4	13.359	67478	50.0
3-Phenylbut-1-ene	14.602	226.0	ug/l	305033	4	13.359	67478	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Quant Time: Oct 29 01:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

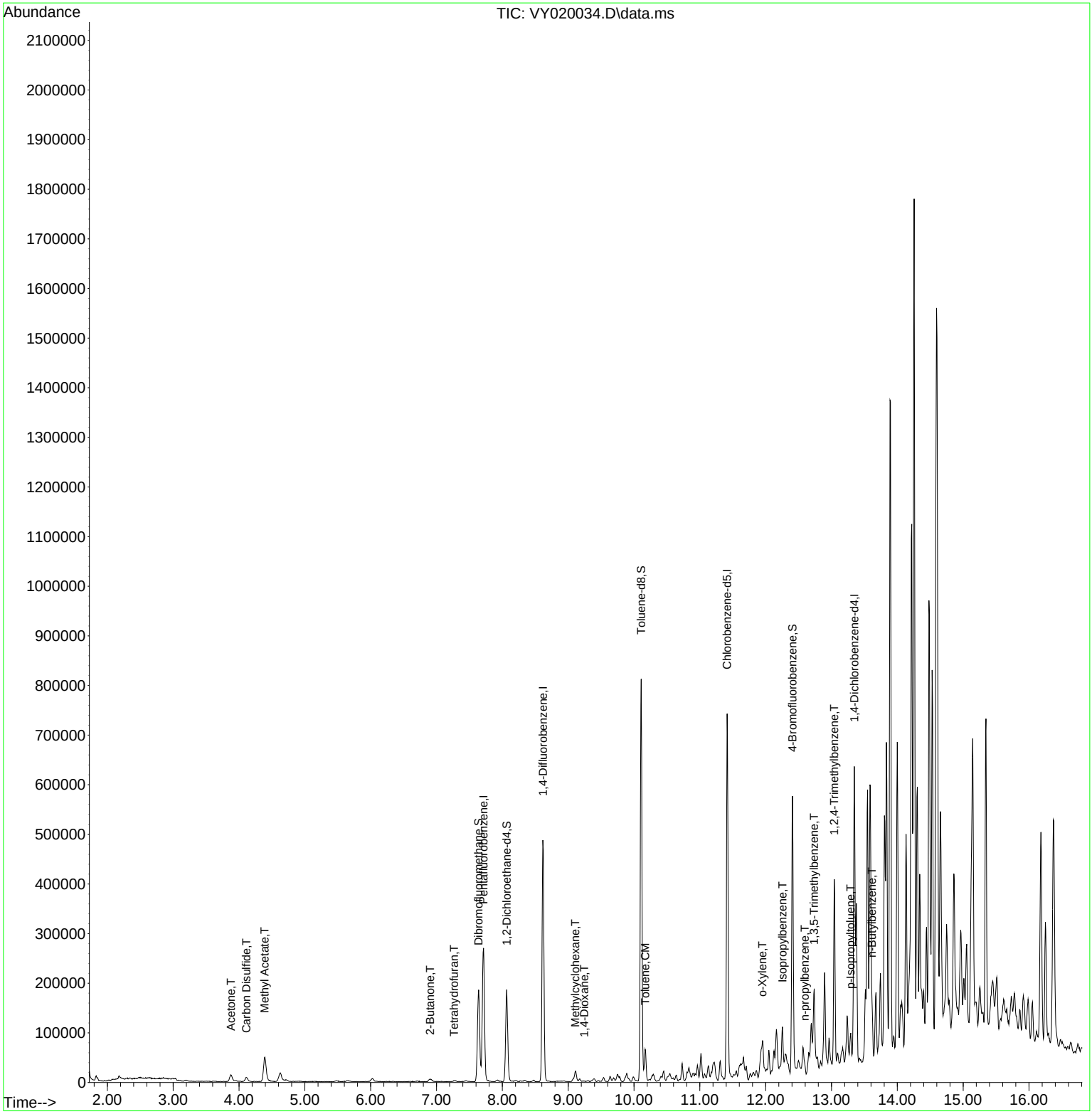
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	189016	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	386680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	354785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	133013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	137110	58.913	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.820%			
35) Dibromofluoromethane	7.640	113	129124	50.604	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.200%			
50) Toluene-d8	10.109	98	486723	51.653	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.300%			
62) 4-Bromofluorobenzene	12.408	95	155308	45.615	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 91.220%			
Target Compounds						Qvalue
16) Acetone	3.879	43	24523	40.477	ug/l #	76
17) Carbon Disulfide	4.110	76	16417	3.021	ug/l	100
18) Methyl Acetate	4.391	43	101283	77.606	ug/l #	85
25) 2-Butanone	6.902	43	8676	10.699	ug/l #	83
29) Tetrahydrofuran	7.268	42	1590	3.434	ug/l #	75
39) Methylcyclohexane	9.109	83	7326	1.582	ug/l #	82
49) 1,4-Dioxane	9.243	88	694	40.756	ug/l #	34
52) Toluene	10.170	92	24760	3.565	ug/l	98
69) o-Xylene	11.950	106	14909	2.850	ug/l	94
73) Isopropylbenzene	12.255	105	46935	4.195	ug/l	98
78) n-propylbenzene	12.597	91	13628	1.008	ug/l	93
80) 1,3,5-Trimethylbenzene	12.737	105	46294	5.124	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	188500	21.042	ug/l	97
86) p-Isopropyltoluene	13.292	119	21159	2.155	ug/l	91
89) n-Butylbenzene	13.615	91	46394	4.838	ug/l #	65

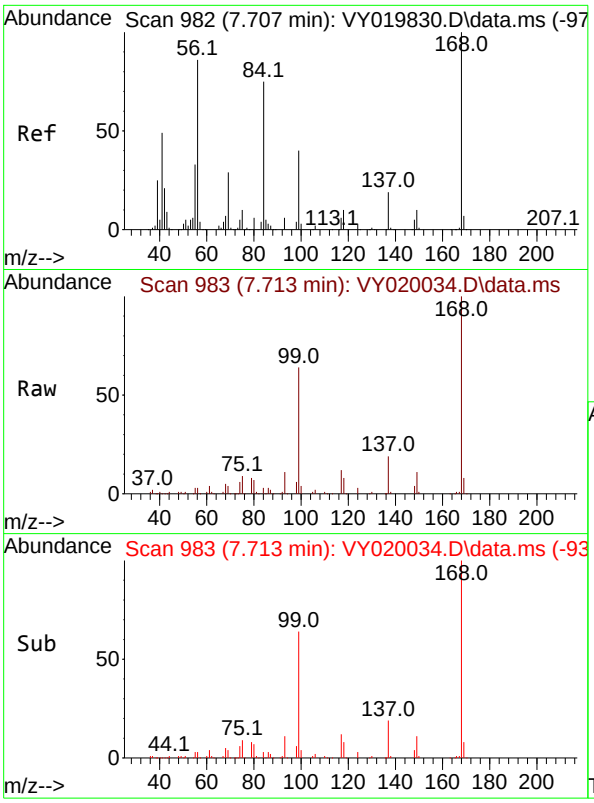
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Quant Time: Oct 29 01:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



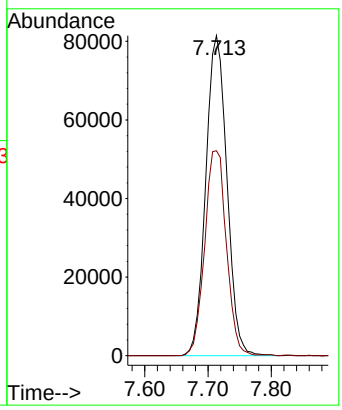


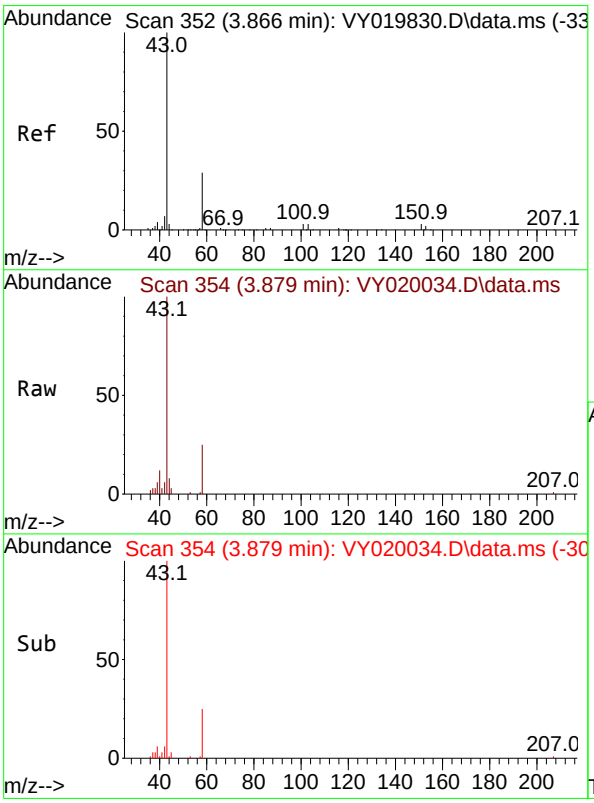
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion:168 Resp: 189016

Ion	Ratio	Lower	Upper
168	100		
99	64.1	39.1	58.7#

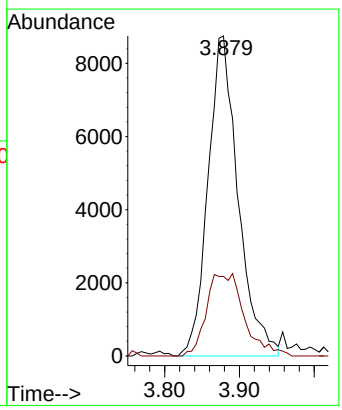


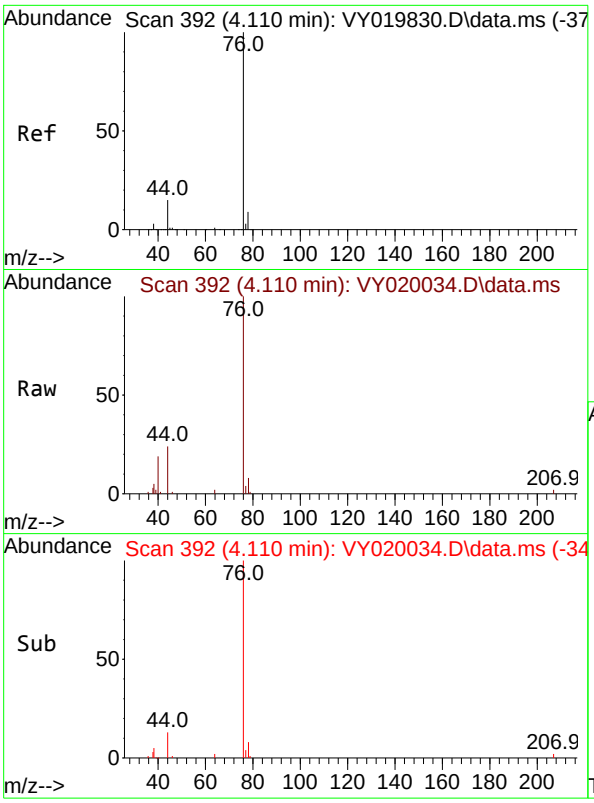


#16
Acetone
Concen: 40.477 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion: 43 Resp: 24523

Ion	Ratio	Lower	Upper
43	100		
58	24.8	31.7	47.5#



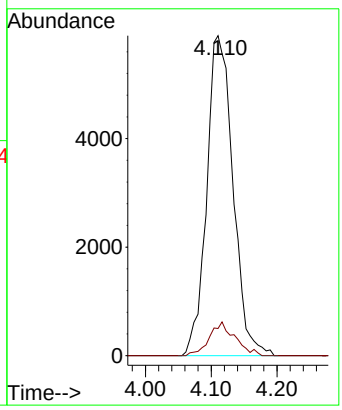


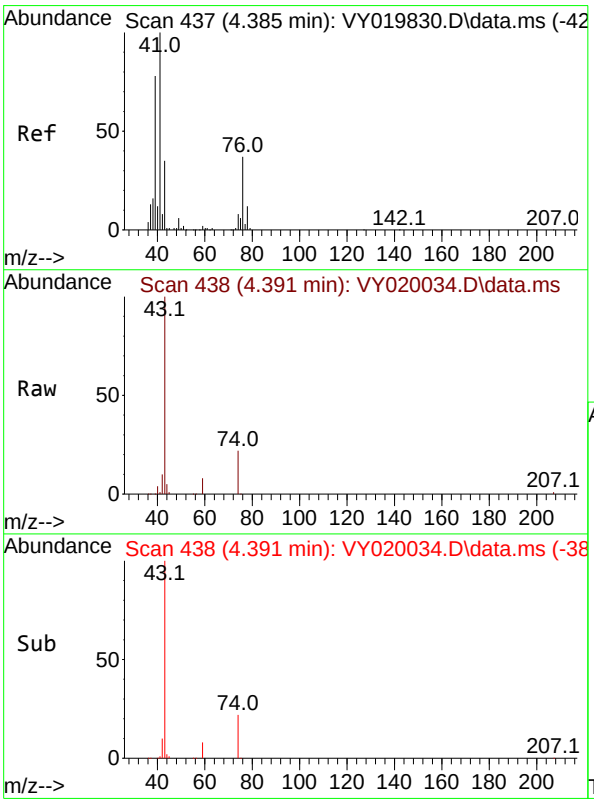
#17
Carbon Disulfide
Concen: 3.021 ug/l
RT: 4.110 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion: 76 Resp: 16417

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

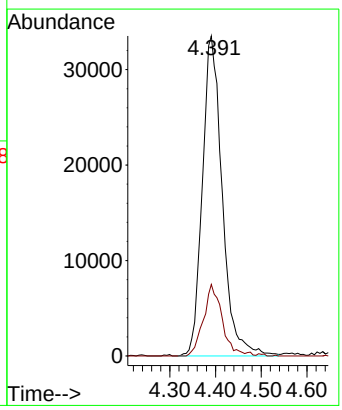


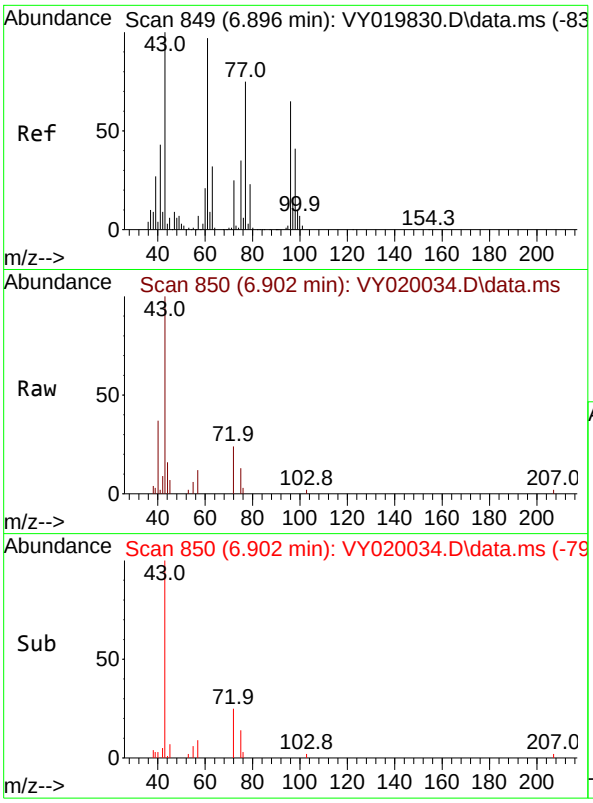


#18
Methyl Acetate
Concen: 77.606 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion: 43 Resp: 101283

Ion	Ratio	Lower	Upper
43	100		
74	20.8	23.3	34.9#



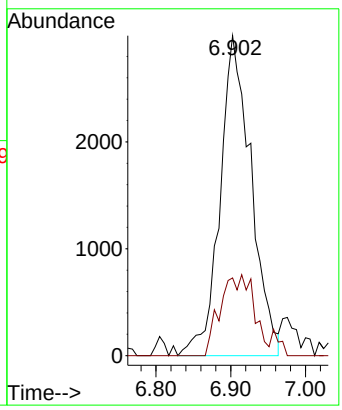


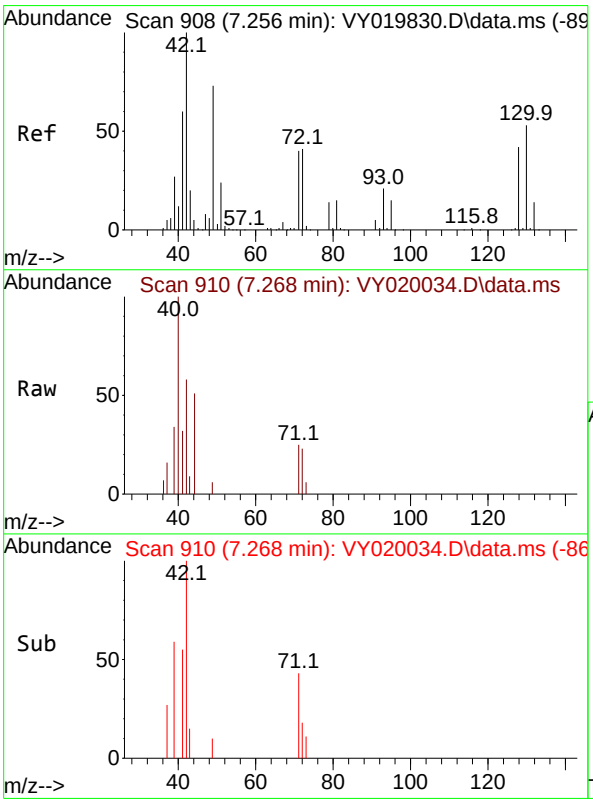
#25
2-Butanone
Concen: 10.699 ug/l
RT: 6.902 min Scan# 8
Delta R.T. 0.012 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion: 43 Resp: 8676

Ion	Ratio	Lower	Upper
43	100		
72	24.3	27.3	40.9#

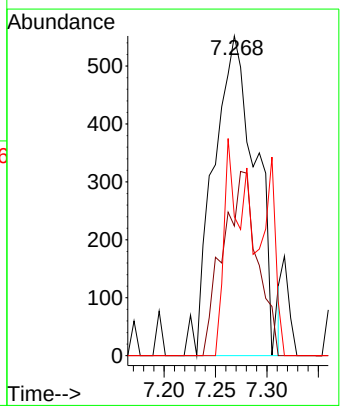


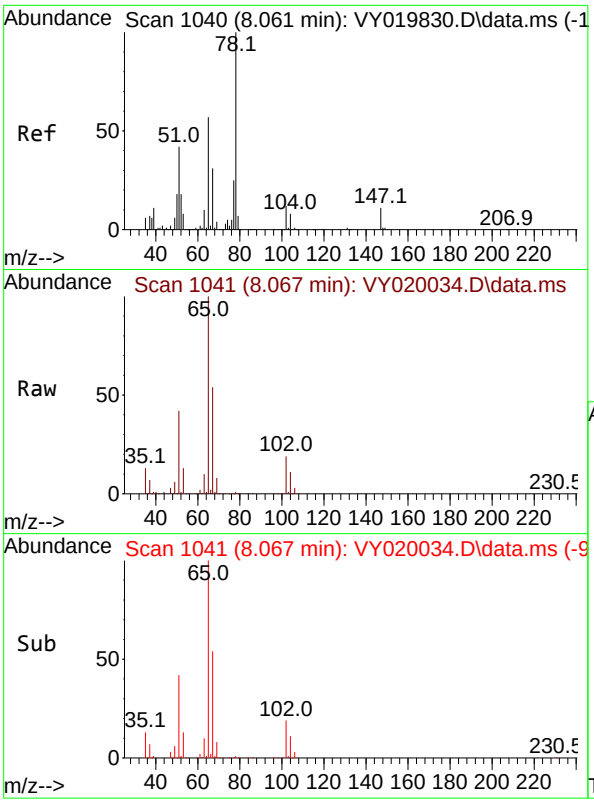


#29
Tetrahydrofuran
Concen: 3.434 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion: 42 Resp: 1590

Ion	Ratio	Lower	Upper
42	100		
72	46.6	43.0	64.4
71	22.0	40.8	61.2#



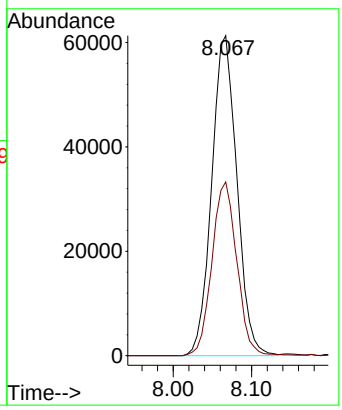


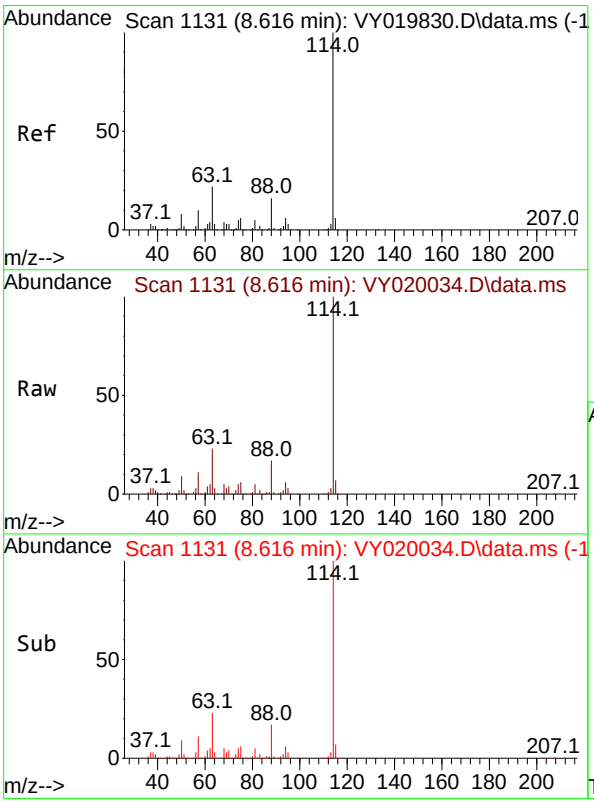
#33
1,2-Dichloroethane-d4
Concen: 58.913 ug/l
RT: 8.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion: 65 Resp: 137110

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	109.6

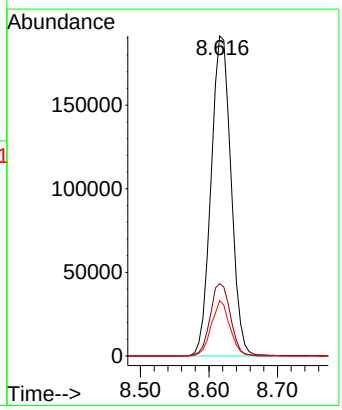


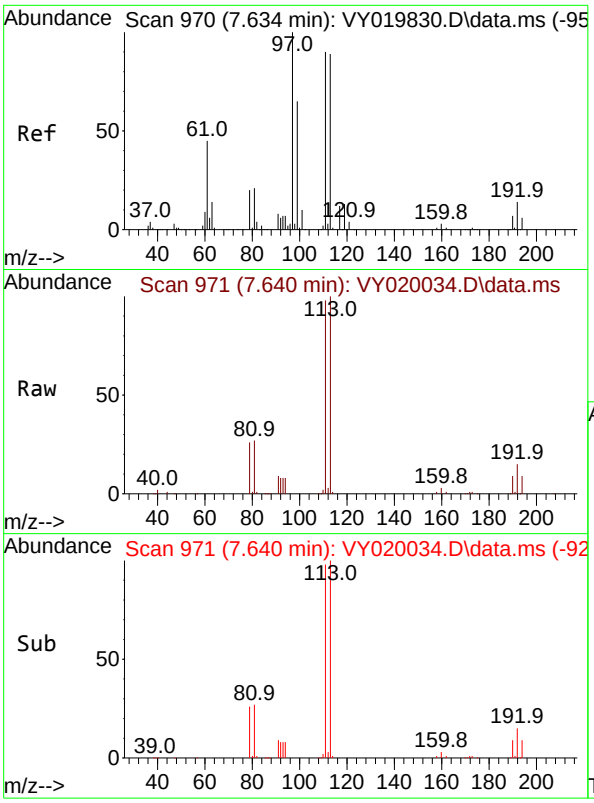


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion:114 Resp: 386680

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	35.0
88	17.3	0.0	27.2



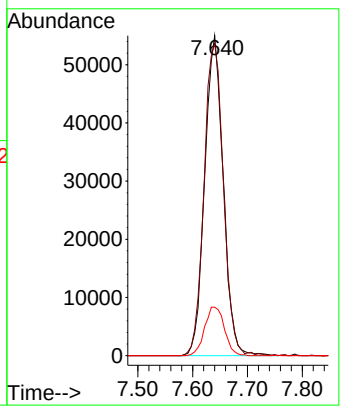


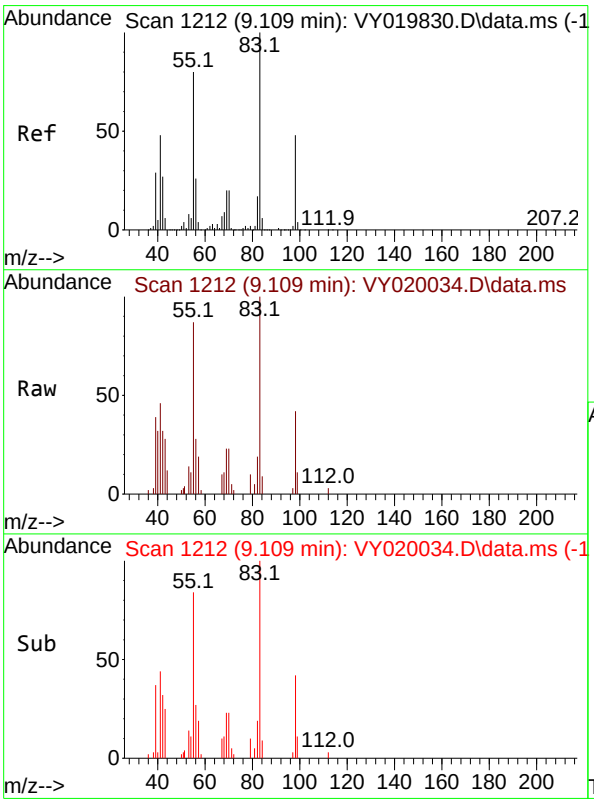
#35
Dibromofluoromethane
Concen: 50.604 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion:113 Resp: 129124

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.2	123.4
192	16.2	15.9	23.9

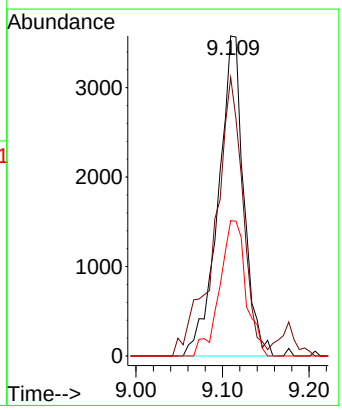


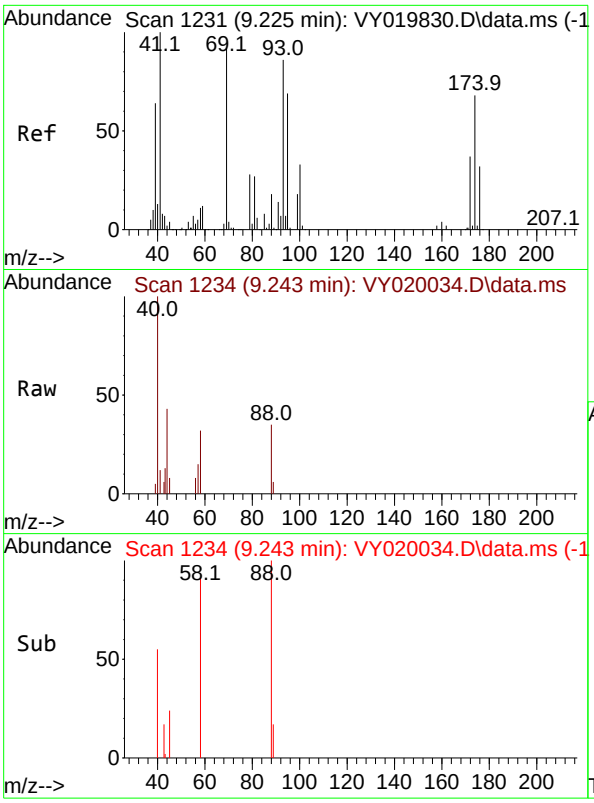


#39
Methylcyclohexane
Concen: 1.582 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion: 83 Resp: 7326

Ion	Ratio	Lower	Upper
83	100		
55	82.1	51.5	77.3#
98	42.3	40.5	60.7



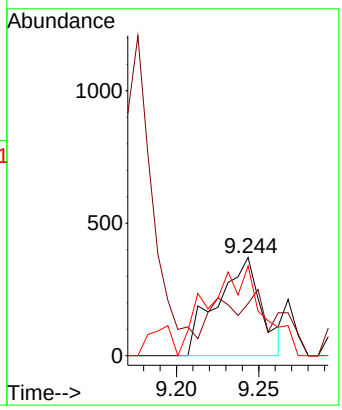


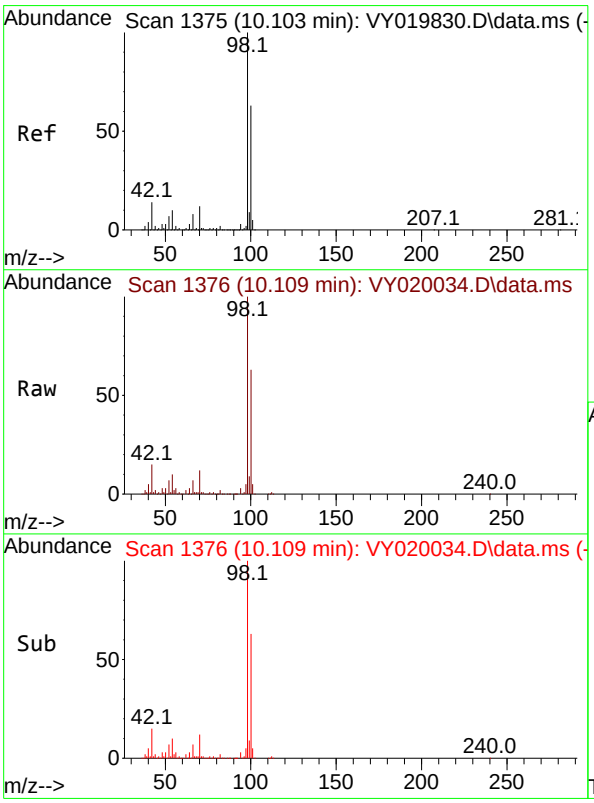
#49
1,4-Dioxane
Concen: 40.756 ug/l
RT: 9.243 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion: 88 Resp: 694

Ion	Ratio	Lower	Upper
88	100		
43	24.8	0.0	0.0#
58	112.2	49.3	73.9#

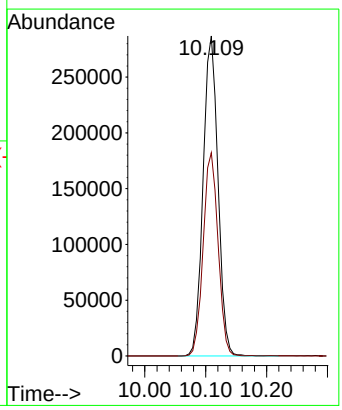


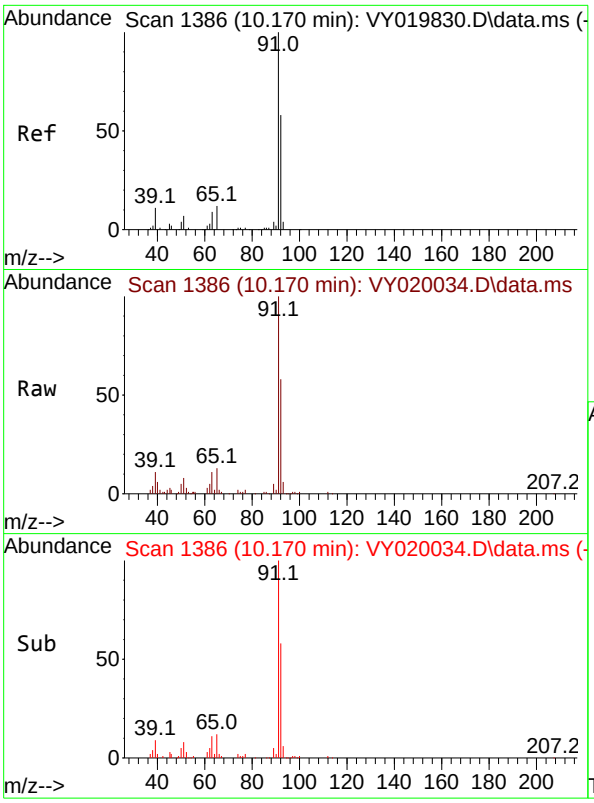


#50
Toluene-d8
Concen: 51.653 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion: 98 Resp: 486723

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.0	78.0



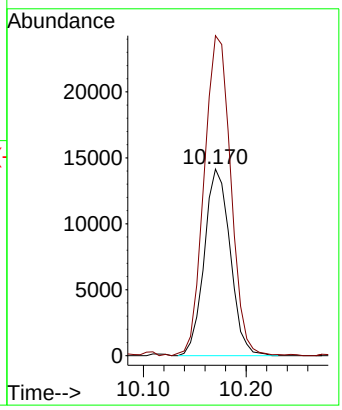


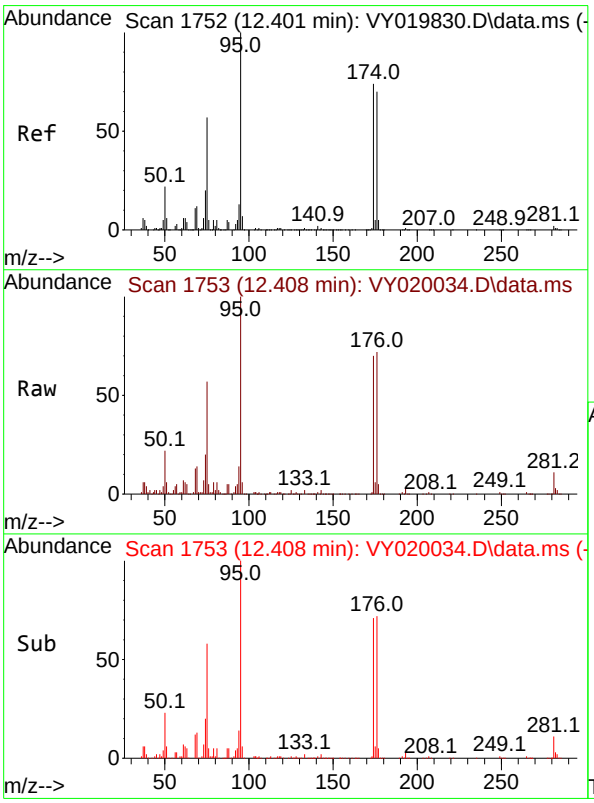
#52
Toluene
Concen: 3.565 ug/l
RT: 10.170 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion: 92 Resp: 24760

Ion	Ratio	Lower	Upper
92	100		
91	176.6	139.0	208.6

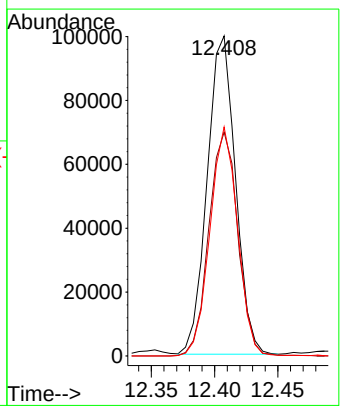


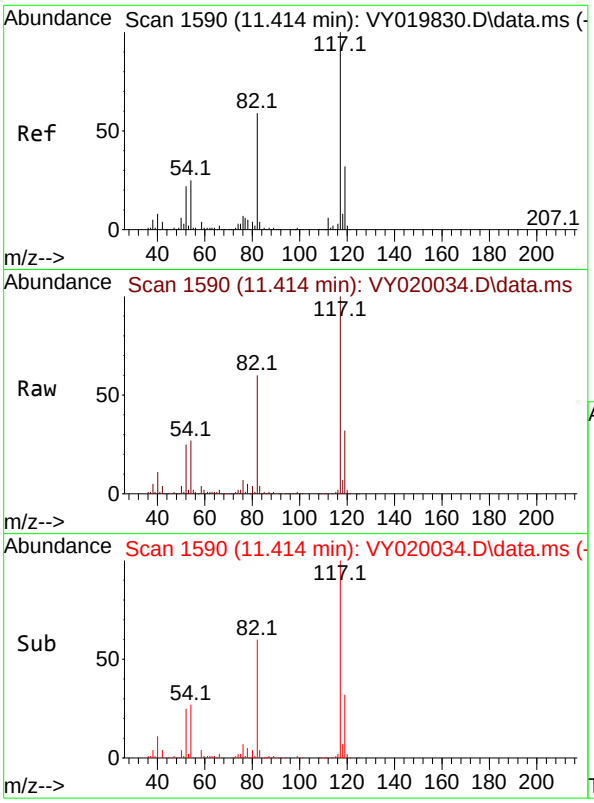


#62
4-Bromofluorobenzene
Concen: 45.615 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion: 95 Resp: 155308

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	175.6
176	70.1	0.0	171.4



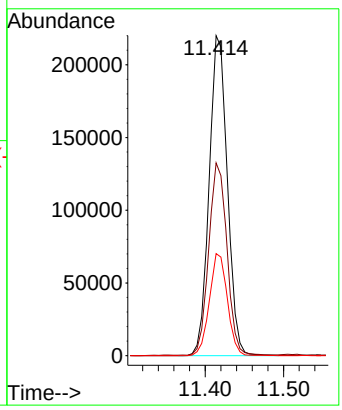


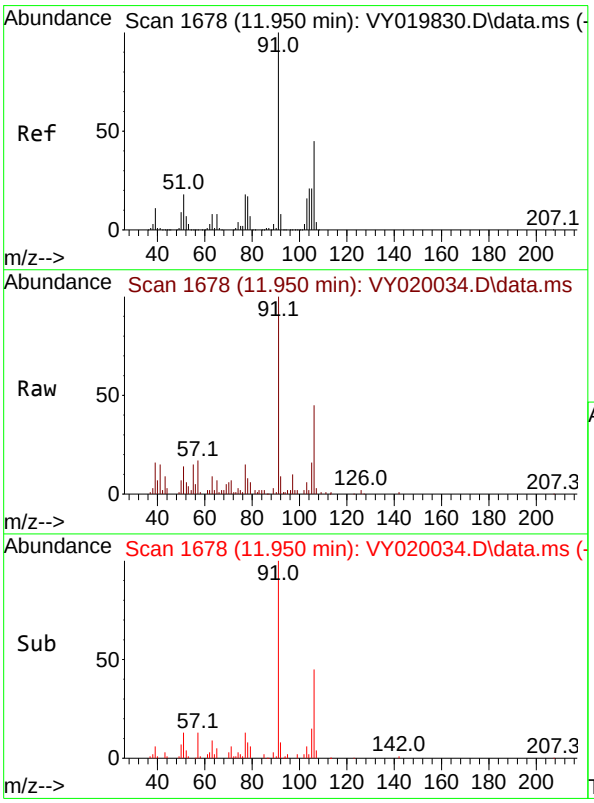
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion:117 Resp: 354785

Ion	Ratio	Lower	Upper
117	100		
82	60.1	42.4	63.6
119	31.9	25.9	38.9

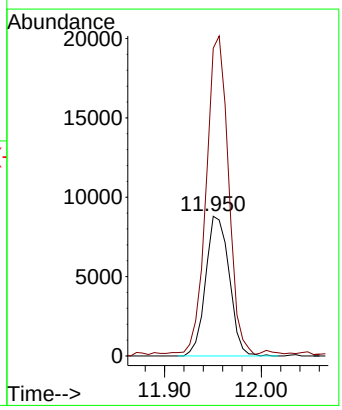


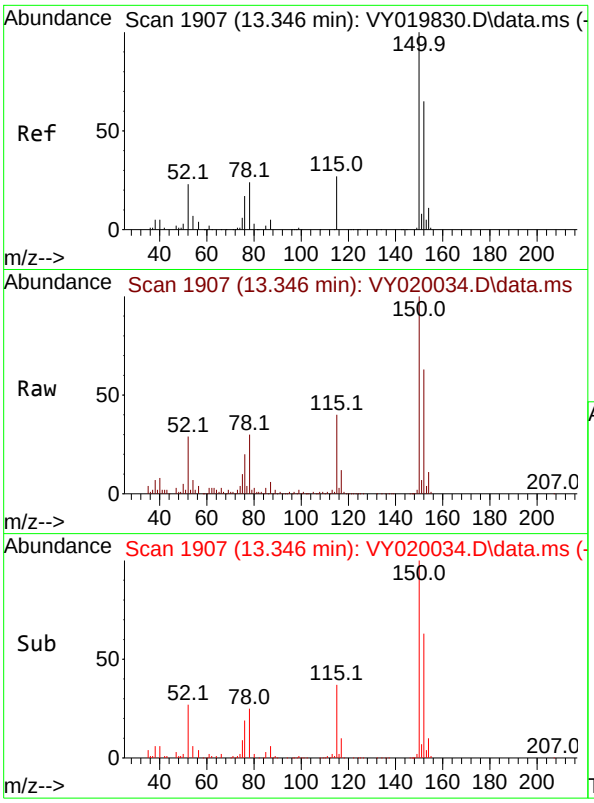


#69
o-Xylene
Concen: 2.850 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion:106 Resp: 14909

Ion	Ratio	Lower	Upper
106	100		
91	215.9	103.6	310.8



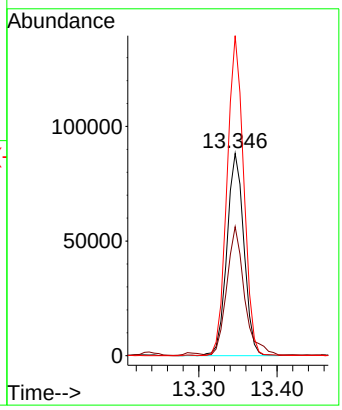


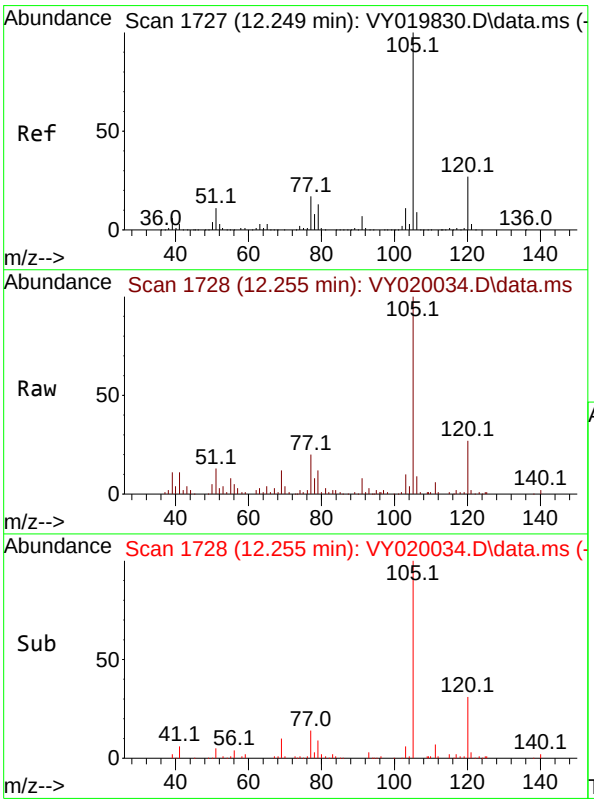
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion:152 Resp: 133013

Ion	Ratio	Lower	Upper
152	100		
115	65.5	28.2	84.7
150	154.6	0.0	345.6

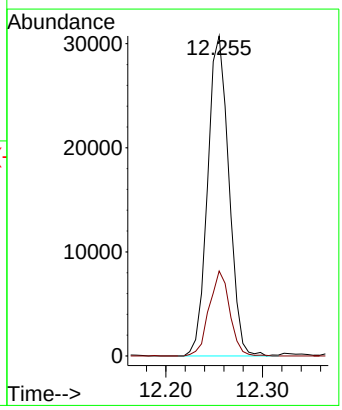


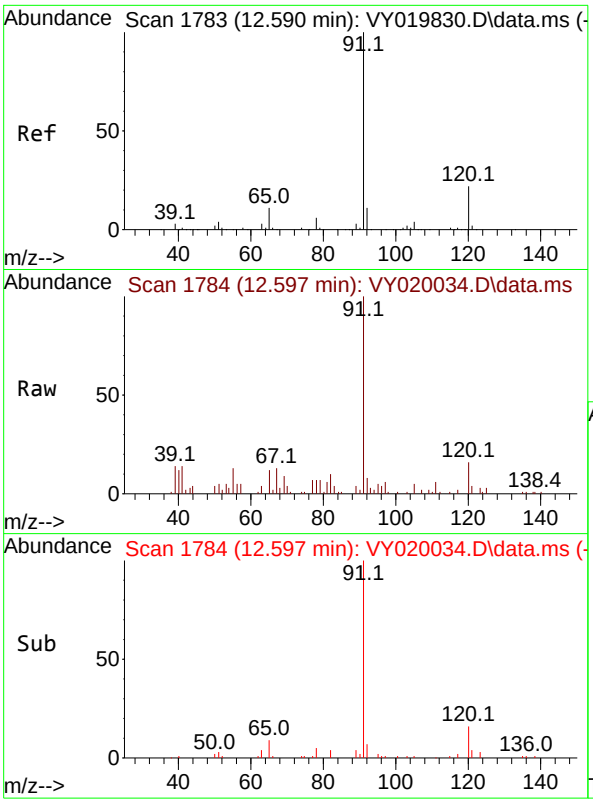


#73
Isopropylbenzene
Concen: 4.195 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion:105 Resp: 46935

Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.4	40.1



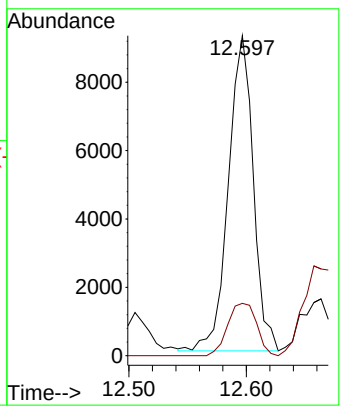


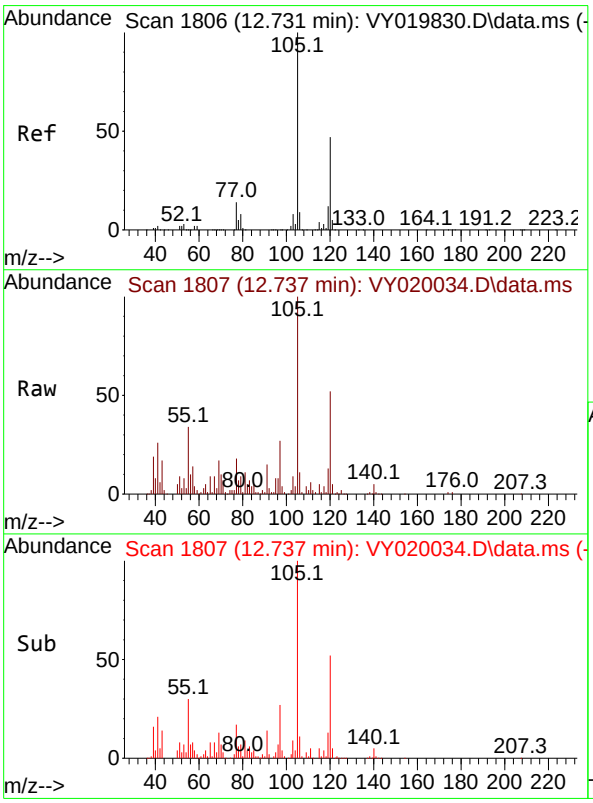
#78
n-propylbenzene
Concen: 1.008 ug/l
RT: 12.597 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion: 91 Resp: 13628

Ion	Ratio	Lower	Upper
91	100		
120	19.3	11.5	34.4

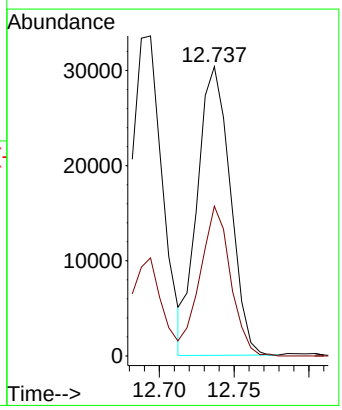


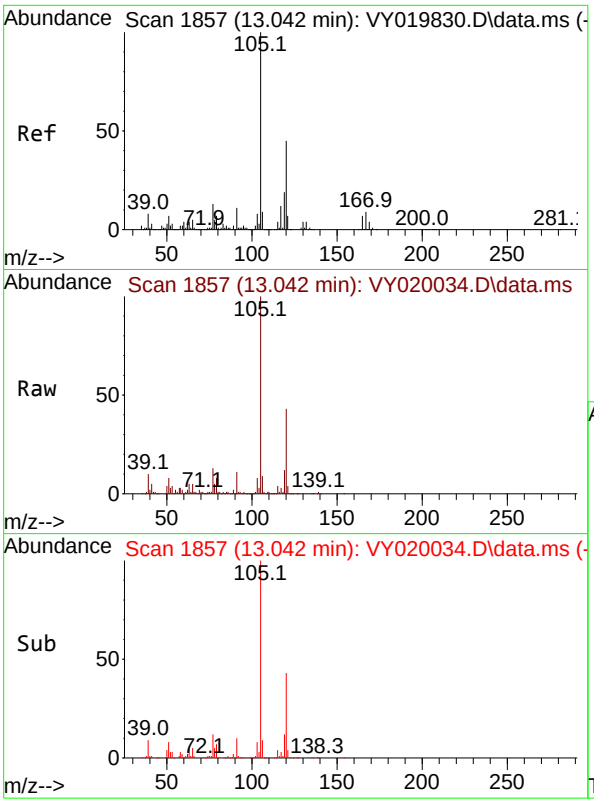


#80
1,3,5-Trimethylbenzene
Concen: 5.124 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion:105 Resp: 46294

Ion	Ratio	Lower	Upper
105	100		
120	48.1	25.1	75.2



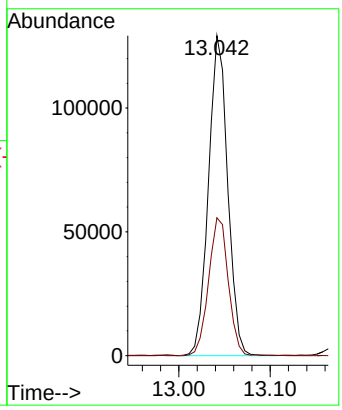


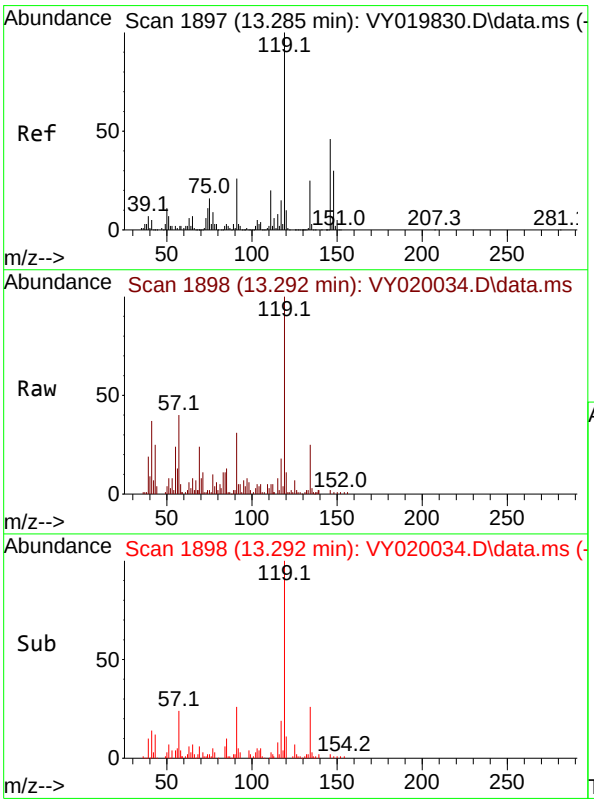
#84
1,2,4-Trimethylbenzene
Concen: 21.042 ug/l
RT: 13.042 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion:105 Resp: 188500

Ion	Ratio	Lower	Upper
105	100		
120	44.1	23.2	69.6

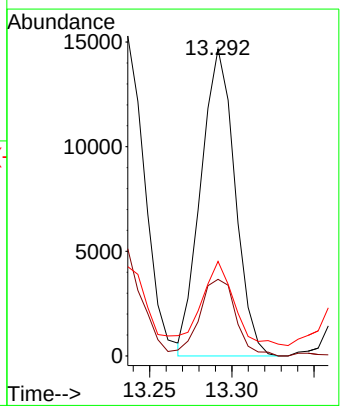


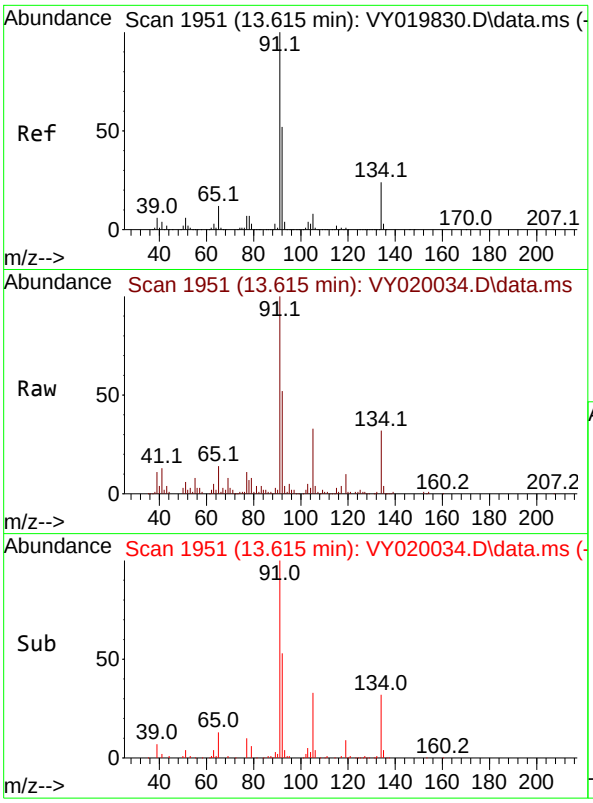


#86
p-Isopropyltoluene
Concen: 2.155 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. 0.000 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Tgt Ion:119 Resp: 21159

Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.1	39.3
91	30.0	10.7	32.1



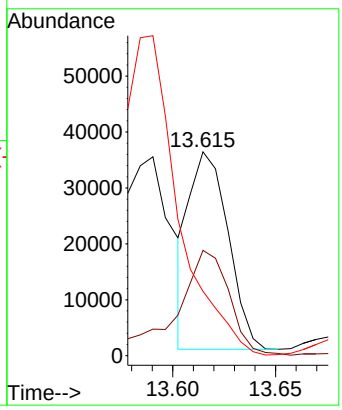


#89
n-Butylbenzene
Concen: 4.838 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020034.D
Acq: 28 Oct 2024 12:19

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Tgt Ion: 91 Resp: 46394

Ion	Ratio	Lower	Upper
91	100		
92	72.5	26.6	79.7
134	0.0	12.9	38.7#



Sample Results: **VY020034.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY020034.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.873	343	353	362	rBV2	13876	41343	1.34%	0.110%
2	4.391	428	438	448	rBV	49013	144029	4.67%	0.383%
3	4.628	465	477	486	rBV2	17525	57380	1.86%	0.152%
4	7.640	961	971	977	rBV	185132	445648	14.46%	1.184%
5	7.713	977	983	994	rVB	267843	620236	20.12%	1.648%
6	8.067	1031	1041	1052	rBV	185887	405743	13.16%	1.078%
7	8.616	1122	1131	1142	rBV	486181	971182	31.51%	2.580%
8	9.115	1200	1213	1218	rBV5	21885	57414	1.86%	0.153%
9	9.890	1330	1340	1349	rBV6	16417	47345	1.54%	0.126%
10	10.109	1368	1376	1382	rBV	810445	1411187	45.78%	3.749%
11	10.170	1382	1386	1393	rVB	62901	115237	3.74%	0.306%
12	10.451	1428	1432	1437	rVB	18957	31292	1.02%	0.083%
13	10.542	1437	1447	1454	rBV7	13949	44557	1.45%	0.118%
14	10.731	1473	1478	1484	rVB	34777	55568	1.80%	0.148%
15	10.835	1491	1495	1501	rVB2	19418	37485	1.22%	0.100%
16	10.963	1513	1516	1520	rVB2	24551	32632	1.06%	0.087%
17	11.018	1520	1525	1531	rVB	49623	80149	2.60%	0.213%
18	11.127	1538	1543	1548	rBV3	23956	41601	1.35%	0.111%
19	11.219	1552	1558	1567	rVB6	36937	108034	3.50%	0.287%
20	11.310	1567	1573	1582	rBV	39147	78242	2.54%	0.208%
21	11.414	1582	1590	1603	rBV	736794	1211472	39.30%	3.219%
22	11.615	1616	1623	1624	rBV6	24793	49503	1.61%	0.132%
23	11.664	1628	1631	1635	rVV	38428	64030	2.08%	0.170%
24	11.706	1635	1638	1643	rVB4	27257	41398	1.34%	0.110%
25	11.950	1667	1678	1686	rBV5	74435	248276	8.05%	0.660%
26	12.048	1690	1694	1698	rVB	48274	67323	2.18%	0.179%
27	12.127	1702	1707	1709	rVV3	42759	69840	2.27%	0.186%
28	12.164	1709	1713	1719	rVV3	84395	157581	5.11%	0.419%
29	12.255	1723	1728	1732	rVV	85390	140131	4.55%	0.372%
30	12.298	1732	1735	1747	rVB	39307	120054	3.89%	0.319%
31	12.408	1747	1753	1762	rBV2	559242	954852	30.98%	2.537%
32	12.566	1775	1779	1787	rVB3	54536	116092	3.77%	0.308%
33	12.651	1787	1793	1796	rBV5	43482	85815	2.78%	0.228%
34	12.694	1796	1800	1802	rVV	74681	109505	3.55%	0.291%
35	12.737	1802	1807	1813	rVB2	140769	238740	7.75%	0.634%
36	12.895	1826	1833	1841	rBV	187387	316411	10.27%	0.841%

Sample Results: **VY020034.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

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\82Y100924S.M
Title : SW846 8260

37	12.962	1841	1844	1851	rVV2	54361	79887	2.59%	0.212%
38	13.042	1852	1857	1862	rVV	372917	556027	18.04%	1.477%
39	13.090	1862	1865	1871	rVV6	20984	30981	1.01%	0.082%
40	13.170	1871	1878	1882	rVV6	31592	69636	2.26%	0.185%
41	13.237	1883	1889	1894	rVV2	93994	182528	5.92%	0.485%
42	13.292	1894	1898	1901	rVV3	58315	90986	2.95%	0.242%
43	13.346	1901	1907	1910	rVV	594453	951084	30.86%	2.527%
44	13.377	1910	1912	1917	rVB	318273	398892	12.94%	1.060%
45	13.517	1928	1935	1936	rBV	145577	212416	6.89%	0.564%
46	13.548	1936	1940	1943	rVV	537754	812656	26.36%	2.159%
47	13.584	1943	1946	1955	rVB3	546456	1001985	32.51%	2.662%
48	13.676	1955	1961	1965	rBV3	127760	205989	6.68%	0.547%
49	13.743	1965	1972	1977	rBV	158449	263646	8.55%	0.700%
50	13.804	1977	1982	1985	rBV	463429	763041	24.75%	2.027%
51	13.834	1985	1987	1992	rVB	577070	690541	22.40%	1.835%
52	13.889	1992	1996	2002	rVB	1302836	1968530	63.86%	5.230%
53	13.999	2008	2014	2019	rBV2	616054	961247	31.19%	2.554%
54	14.054	2019	2023	2024	rBV	66581	91067	2.95%	0.242%
55	14.133	2030	2036	2040	rBV	427529	682650	22.15%	1.814%
56	14.218	2040	2050	2052	rVV	1044629	1836865	59.59%	4.880%
57	14.255	2052	2056	2060	rVV	1692804	2426610	78.72%	6.447%
58	14.304	2060	2064	2067	rVV2	502680	751564	24.38%	1.997%
59	14.340	2067	2070	2074	rVV	322300	477387	15.49%	1.268%
60	14.401	2077	2080	2083	rVV	80987	109686	3.56%	0.291%
61	14.444	2083	2087	2089	rVV	205232	271017	8.79%	0.720%
62	14.480	2089	2093	2098	rVV	857944	1389999	45.09%	3.693%
63	14.529	2098	2101	2106	rVB	723602	966094	31.34%	2.567%
64	14.596	2106	2112	2118	rBV3	1452966	3082391	100.00%	8.189%
65	14.657	2118	2122	2128	rVB3	412368	734382	23.83%	1.951%
66	14.749	2133	2137	2142	rVB	161871	240219	7.79%	0.638%
67	14.858	2149	2155	2163	rBV2	299676	606012	19.66%	1.610%
68	14.962	2167	2172	2177	rVV4	173101	336637	10.92%	0.894%
69	15.011	2177	2180	2183	rVV2	69340	101403	3.29%	0.269%
70	15.053	2183	2187	2193	rVB4	158148	252102	8.18%	0.670%
71	15.145	2193	2202	2207	rBV2	572518	1282122	41.60%	3.406%
72	15.255	2215	2220	2225	rBV5	77705	163525	5.31%	0.434%
73	15.346	2230	2235	2241	rVB	616168	883536	28.66%	2.347%
74	15.450	2245	2252	2256	rBV5	61815	154945	5.03%	0.412%
75	15.858	2316	2319	2323	rVB4	40965	60043	1.95%	0.160%
76	15.913	2324	2328	2335	rVV5	75618	174816	5.67%	0.464%

Sample Results: **VY020034.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

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\82Y100924S.M
Title : SW846 8260

77	15.986	2335	2340	2346	rVB7	78842	167004	5.42%	0.444%
78	16.053	2346	2351	2357	rVB3	78880	137995	4.48%	0.367%
79	16.181	2366	2372	2378	rVB	416372	774786	25.14%	2.058%
80	16.248	2378	2383	2389	rBV	234676	386642	12.54%	1.027%
81	16.370	2396	2403	2417	rVB	456840	1040176	33.75%	2.764%

Sum of corrected areas: 37639074

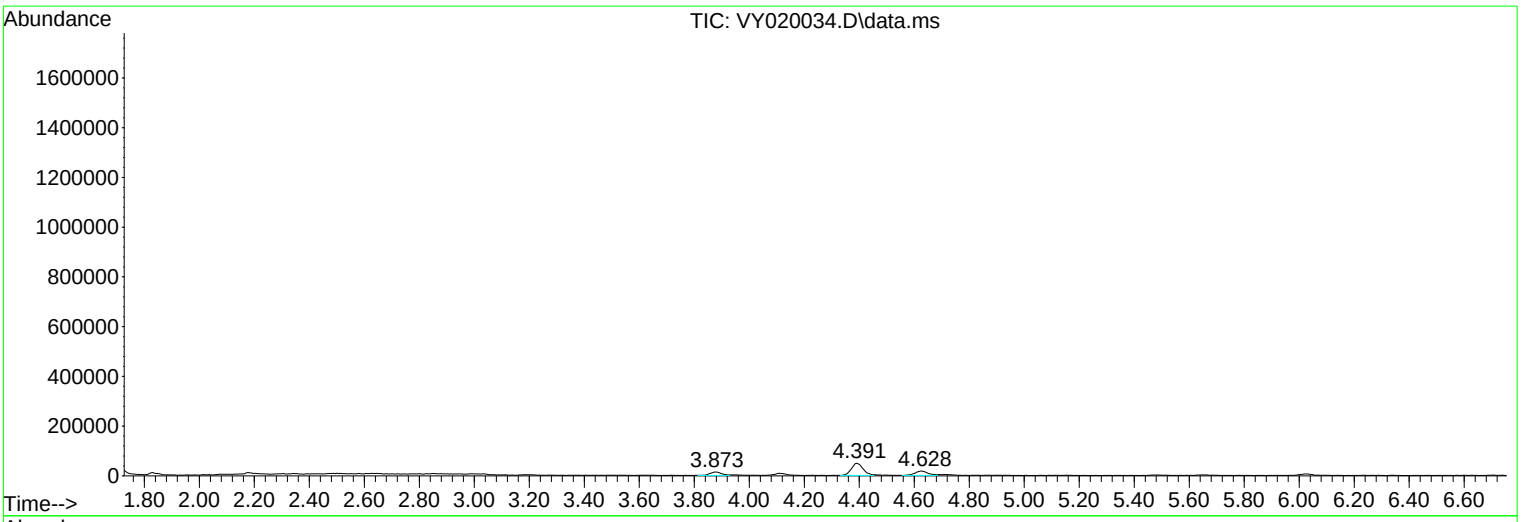
Sample Results: **VY020034.D**

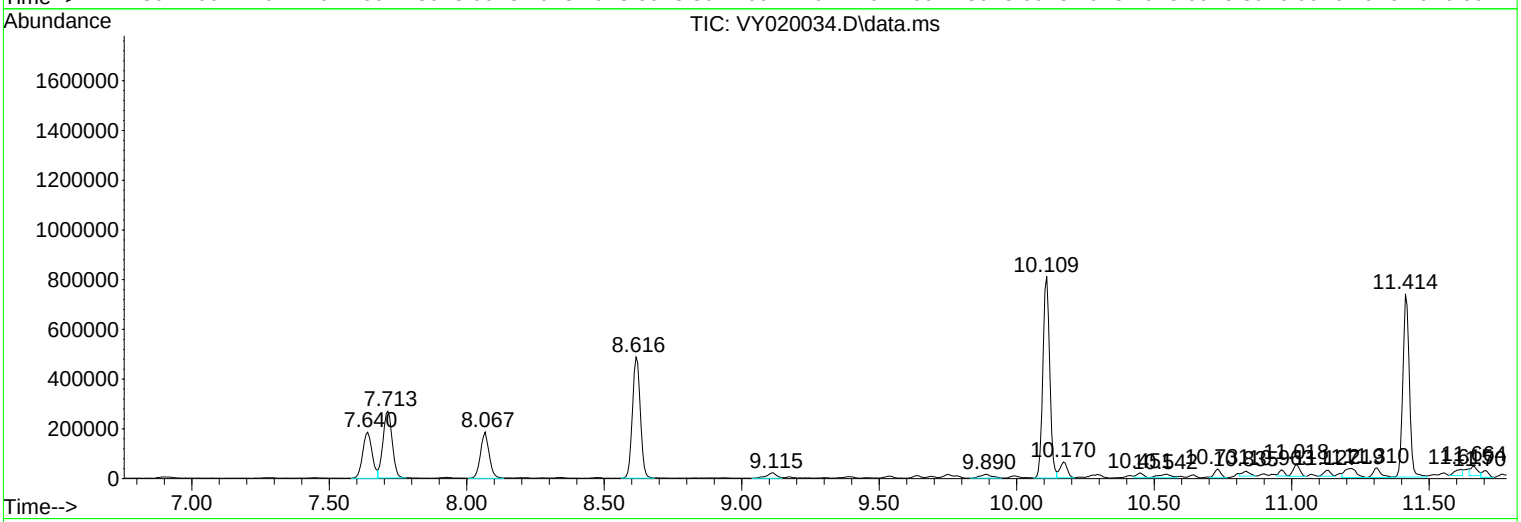
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

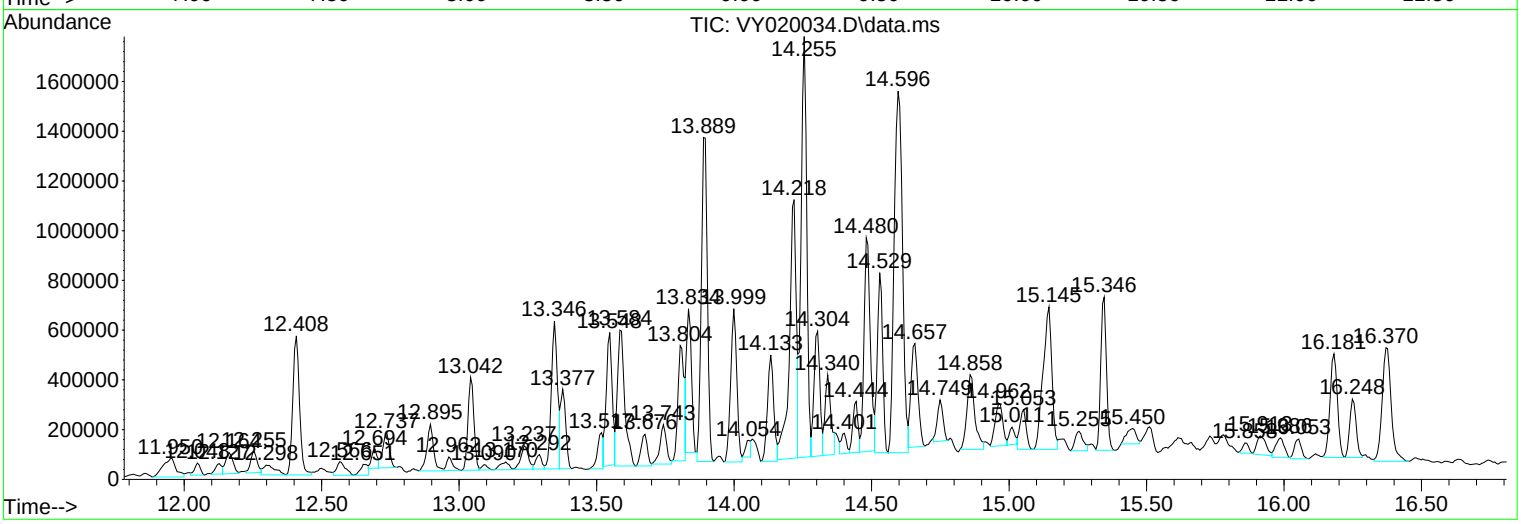
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

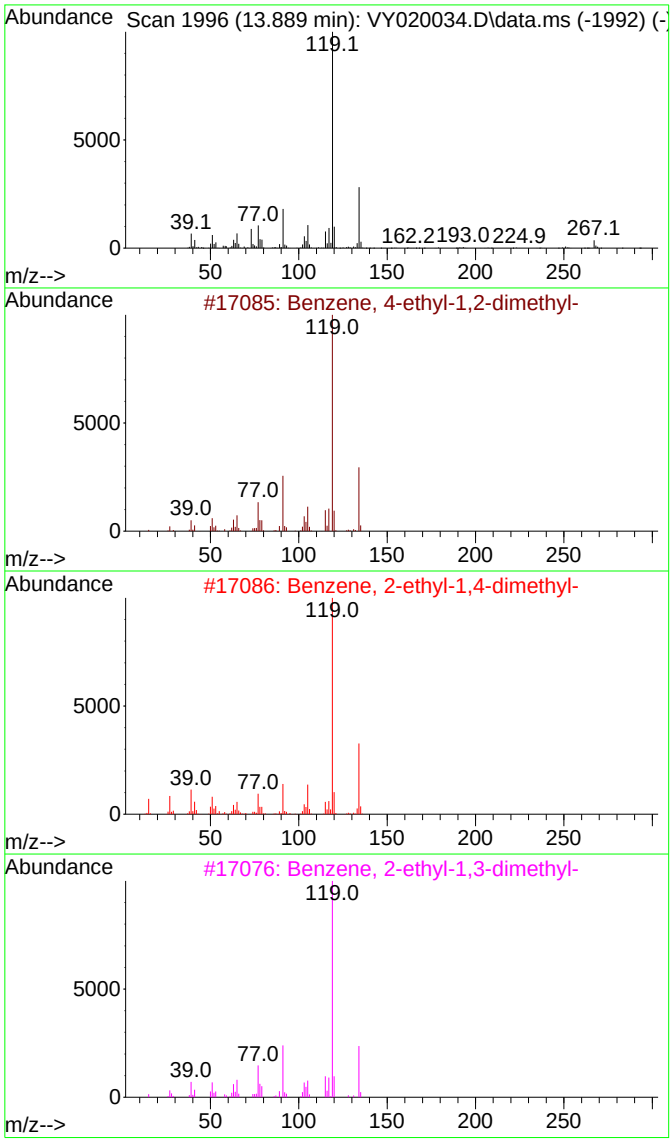
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

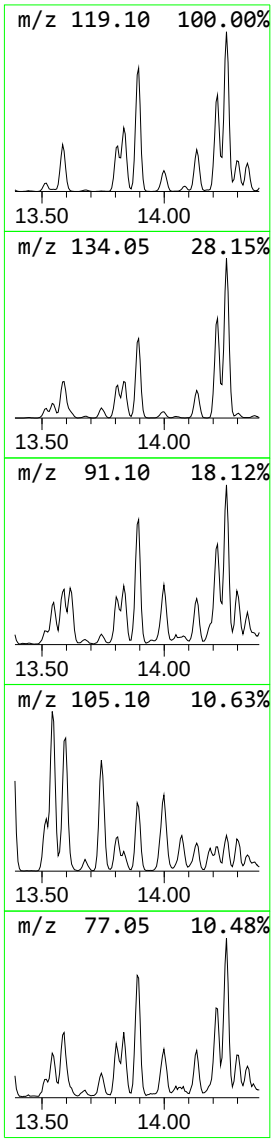
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	103.49 ug/l	1968530	1,4-Dichlorobenzene-d4	13.346

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





Sample Results: **VY020034.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

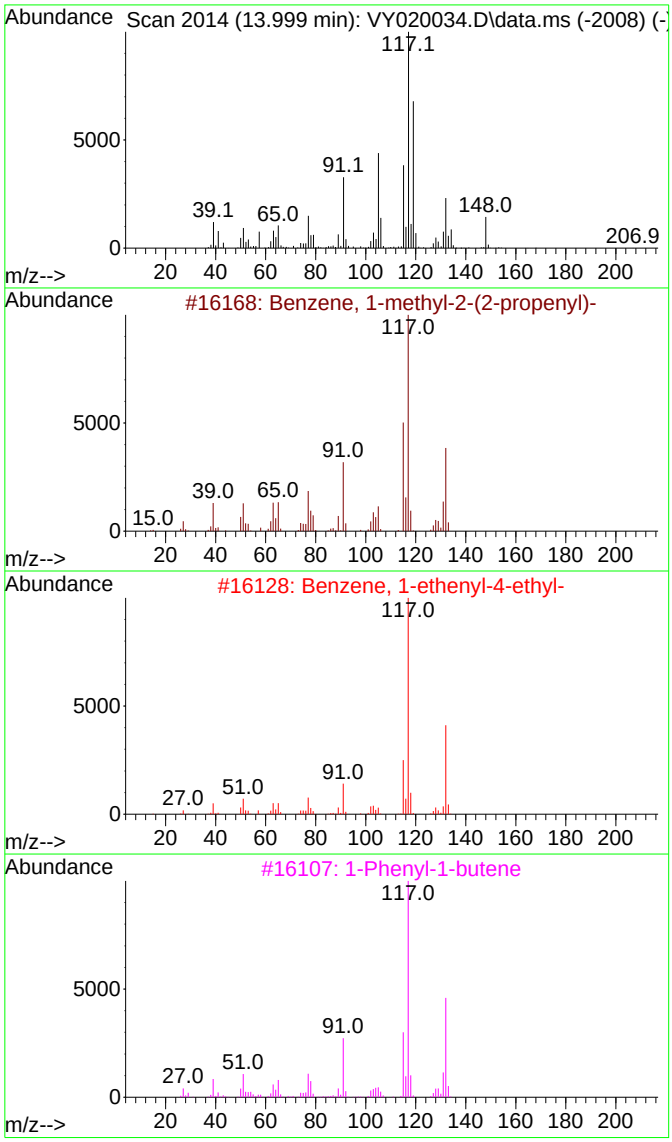
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

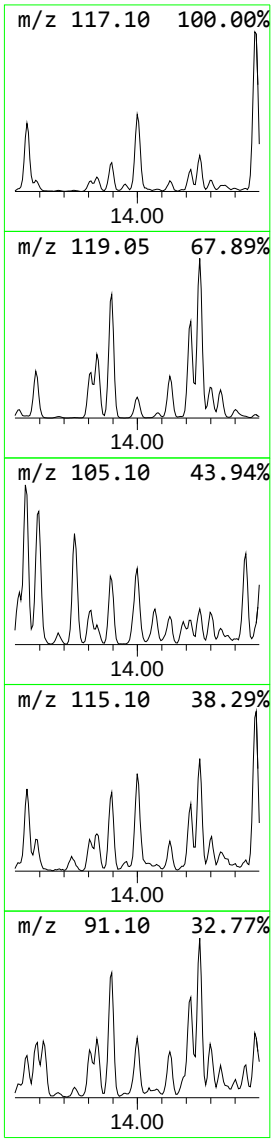
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-methyl-2-(2-prop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	50.53 ug/l	961247	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	86
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

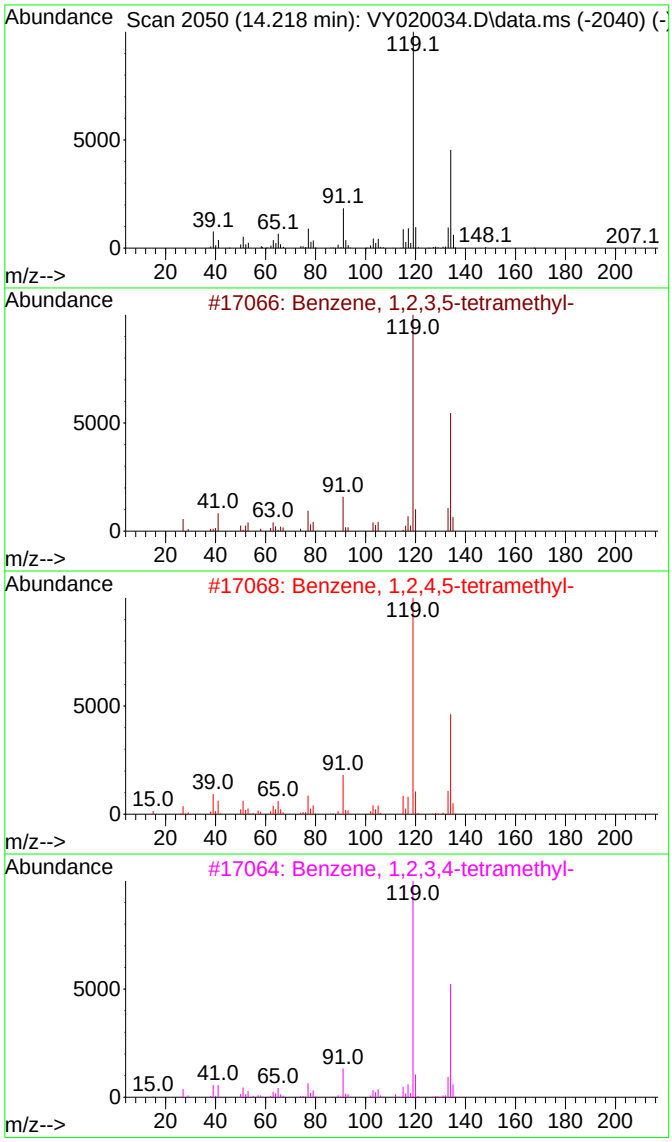
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

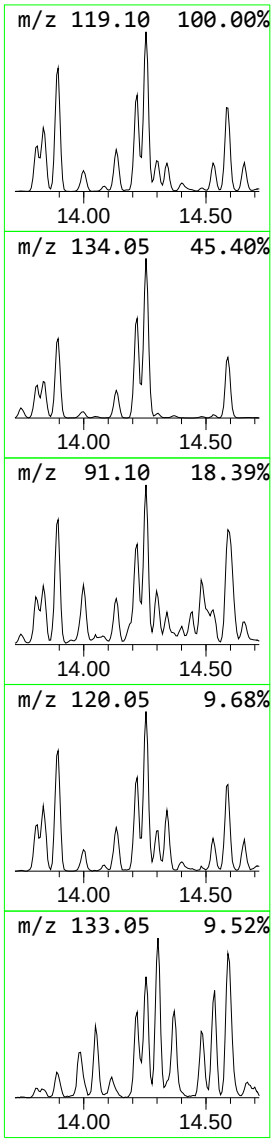
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.218	96.57 ug/l	1836870	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	o-Cymene	134	C10H14	000527-84-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

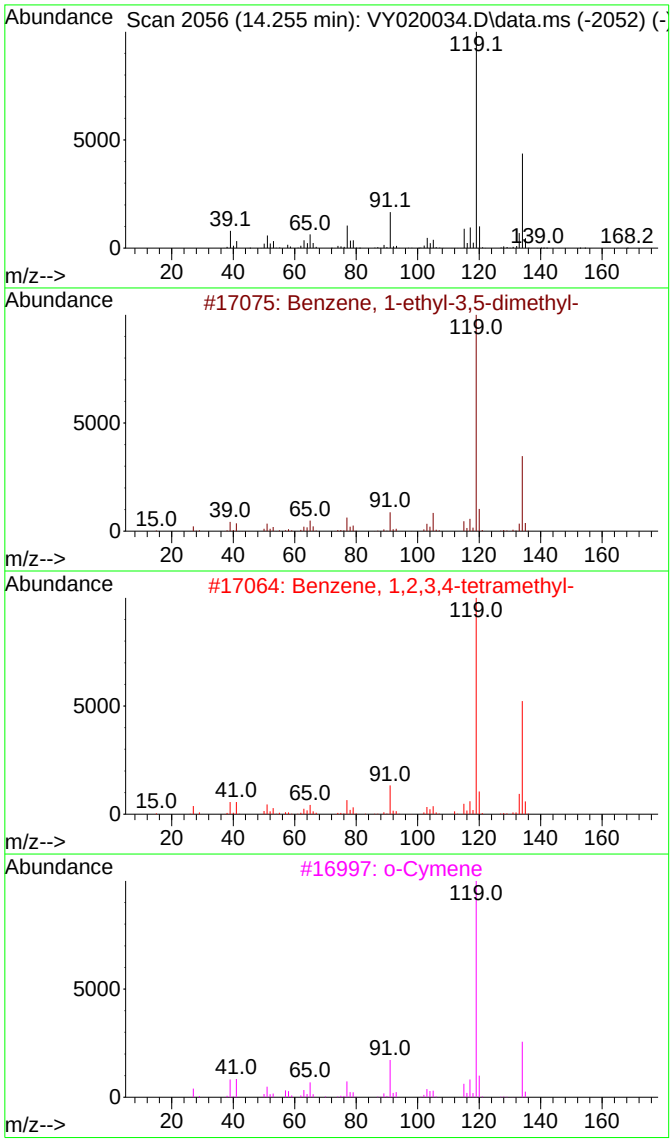
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

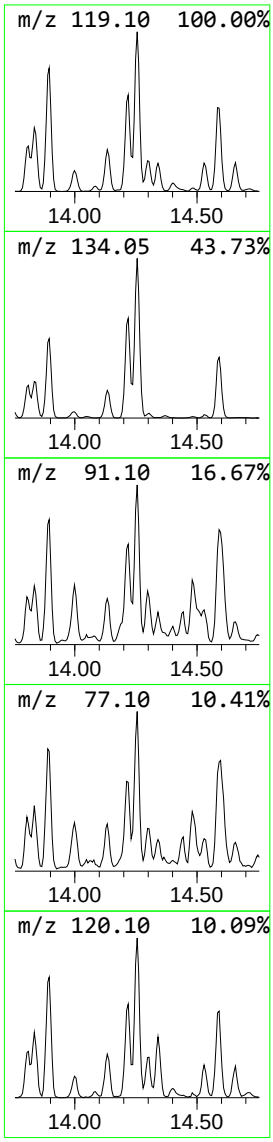
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	127.57 ug/l	2426610	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

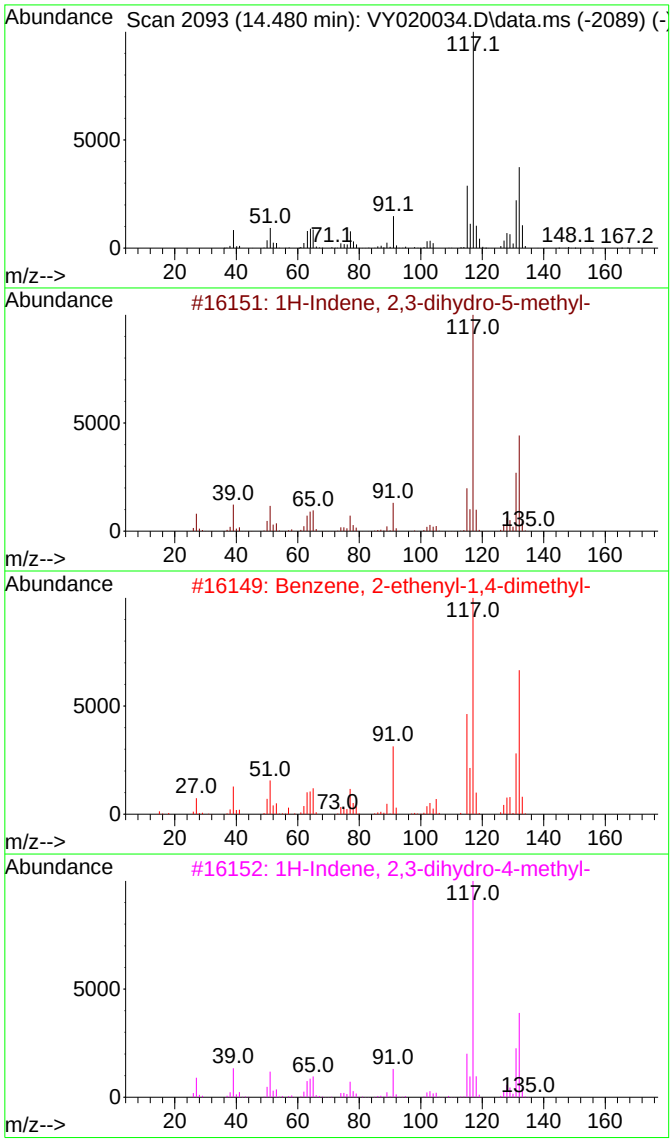
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

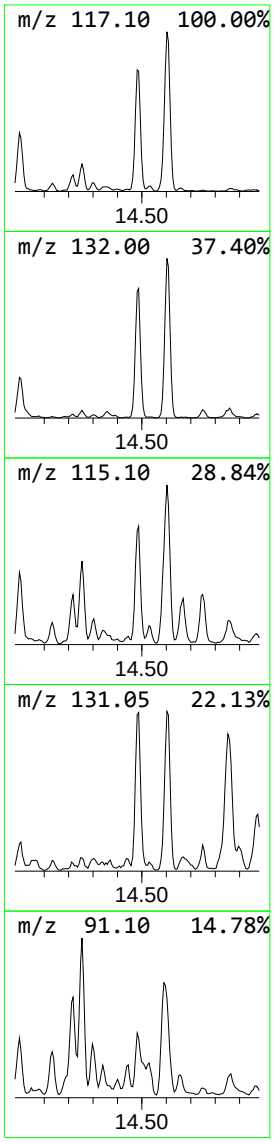
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.480	73.07 ug/l	1390000	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

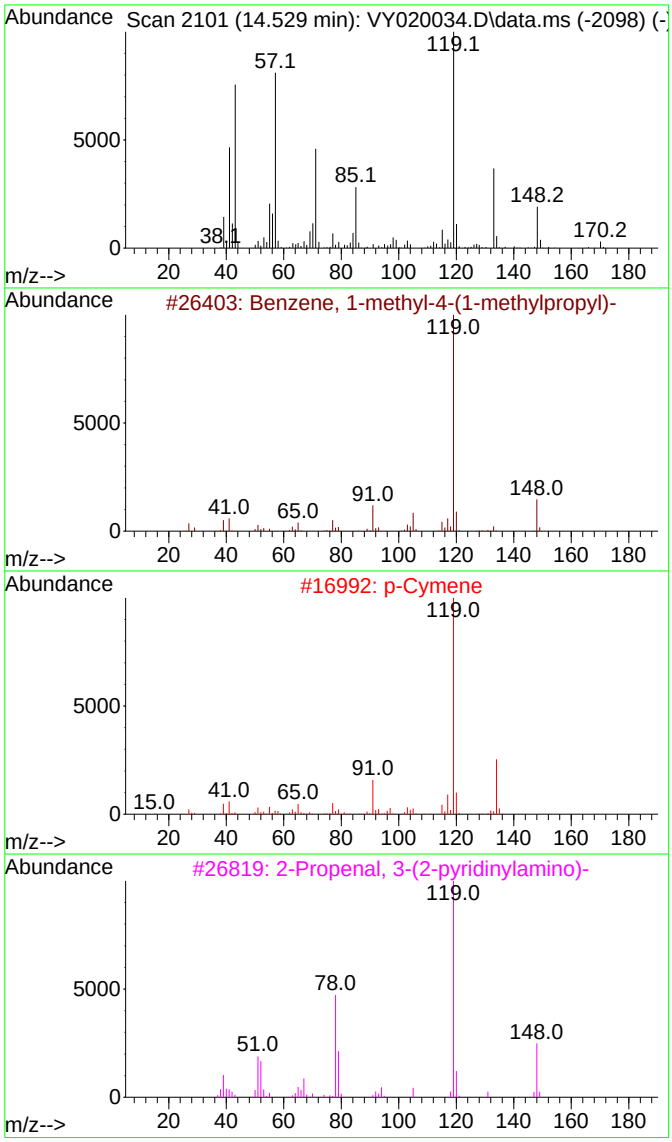
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

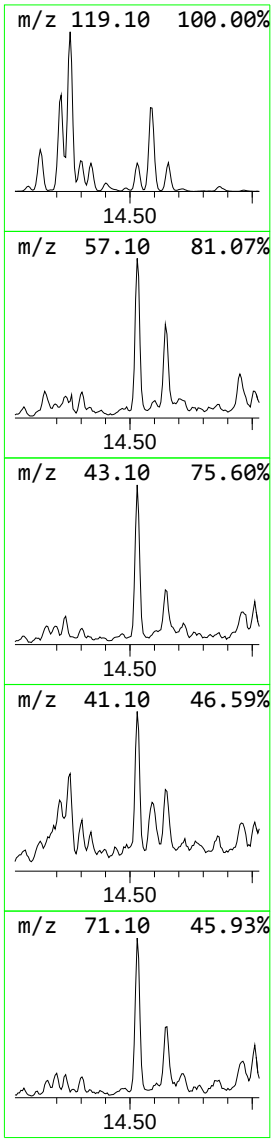
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown14.529 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	50.79 ug/l	966094	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	43
2	p-Cymene	134	C10H14	000099-87-6	42
3	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	38
4	Dodecane	170	C12H26	000112-40-3	38
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

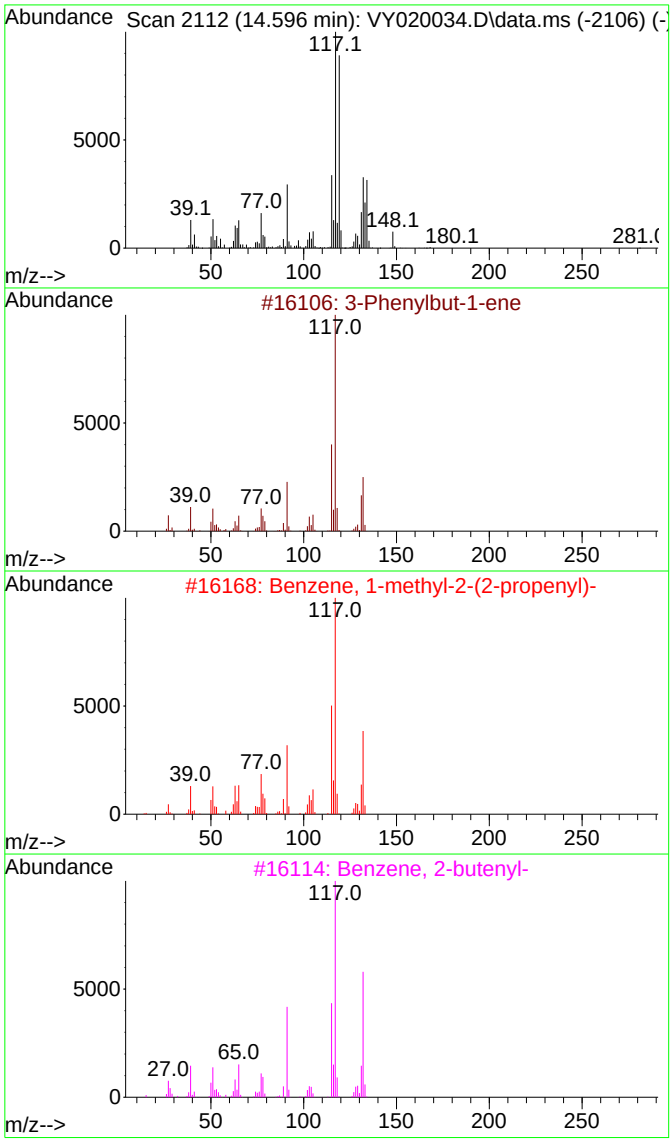
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

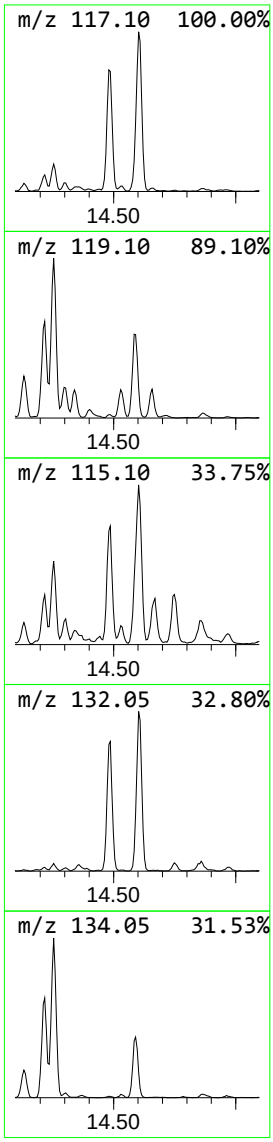
****

Peak Number 7 3-Phenylbut-1-ene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	162.05 ug/l	3082390	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

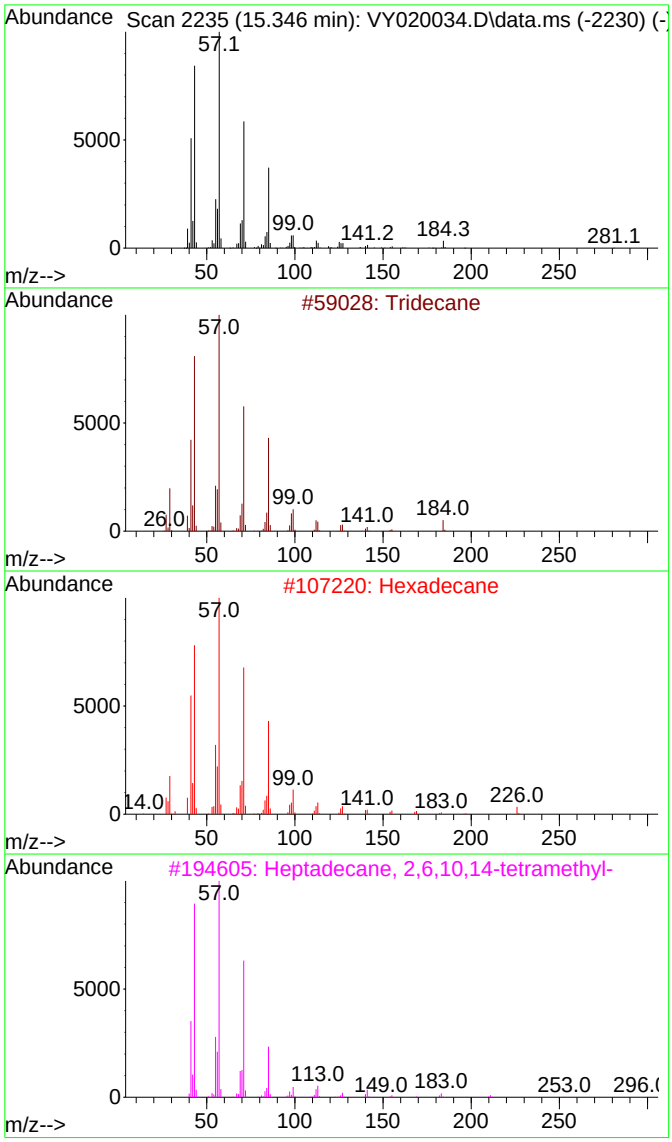
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

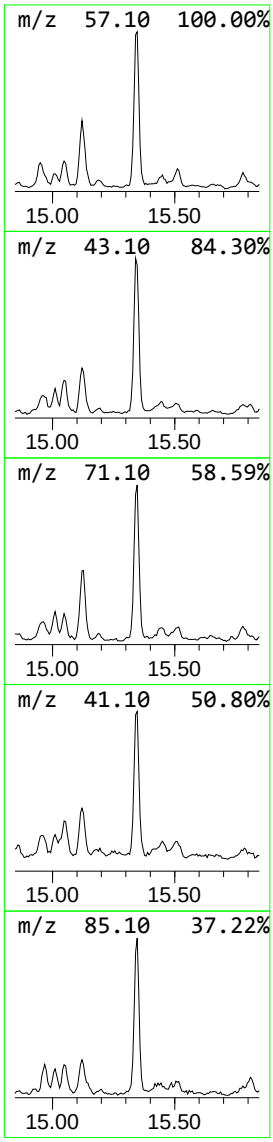
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.346	46.45 ug/l	883536	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Hexadecane	226	C16H34	000544-76-3	91
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	86
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	80
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020034.D
Acq On : 28 Oct 2024 12:19
Operator : SY/MD
Sample : P4578-04
Misc : 7.19g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOP-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Benzene, 4-ethy...	13.889	103.5	ug/l	1968530	4	13.346	951084	50.0
Benzene, 1-meth...	13.999	50.5	ug/l	961247	4	13.346	951084	50.0
Benzene, 1,2,3,...	14.218	96.6	ug/l	1836870	4	13.346	951084	50.0
Benzene, 1-ethy...	14.255	127.6	ug/l	2426610	4	13.346	951084	50.0
1H-Indene, 2,3-...	14.480	73.1	ug/l	1390000	4	13.346	951084	50.0
unknown14.529	14.529	50.8	ug/l	966094	4	13.346	951084	50.0
3-Phenylbut-1-ene	14.596	162.1	ug/l	3082390	4	13.346	951084	50.0
Tridecane	15.346	46.5	ug/l	883536	4	13.346	951084	50.0

Sample Results: **VY020062.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Quant Time: Oct 30 01:25:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

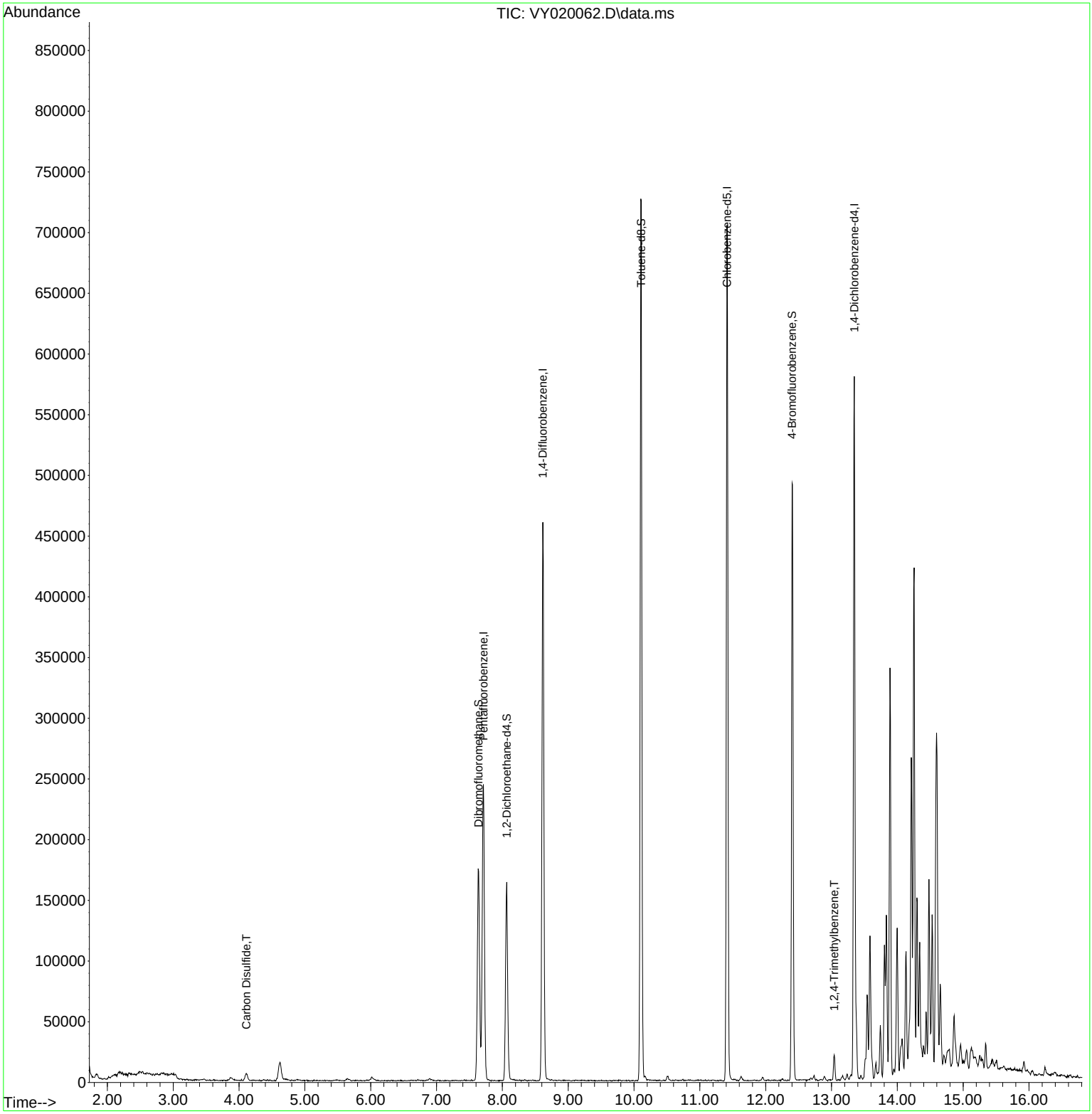
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	171253	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	364648	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.413	117	339109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	127440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.066	65	123360	58.502	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.000%			
35) Dibromofluoromethane	7.640	113	119069	49.483	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.960%			
50) Toluene-d8	10.109	98	453335	51.017	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.040%			
62) 4-Bromofluorobenzene	12.401	95	140581	43.784	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 87.560%			
Target Compounds						Qvalue
17) Carbon Disulfide	4.110	76	11166	2.267	ug/l	96
84) 1,2,4-Trimethylbenzene	13.041	105	10287	1.199	ug/l	96

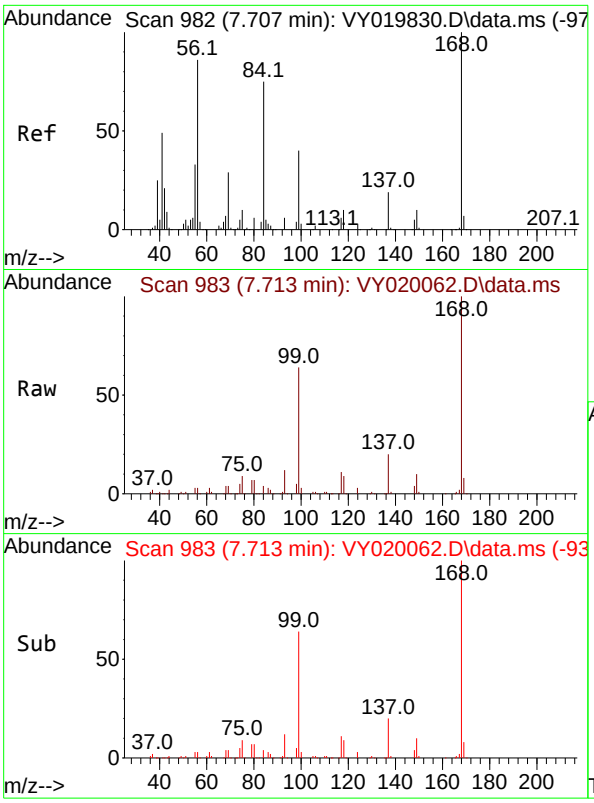
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Quant Time: Oct 30 01:25:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



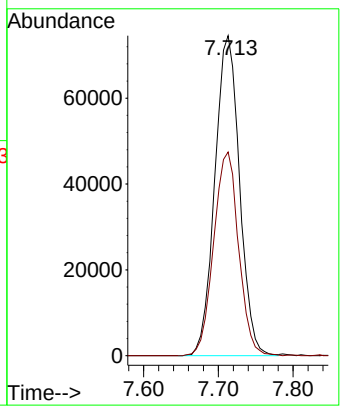


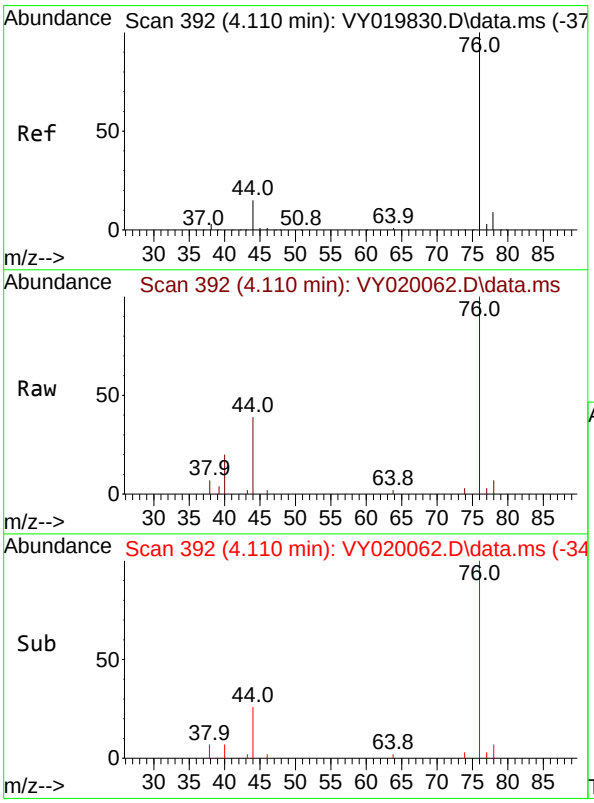
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020062.D
Acq: 29 Oct 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Tgt Ion:168 Resp: 171253

Ion	Ratio	Lower	Upper
168	100		
99	63.7	39.1	58.7#

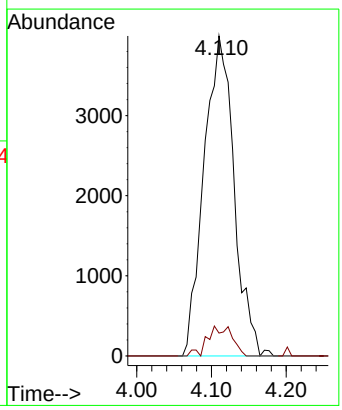


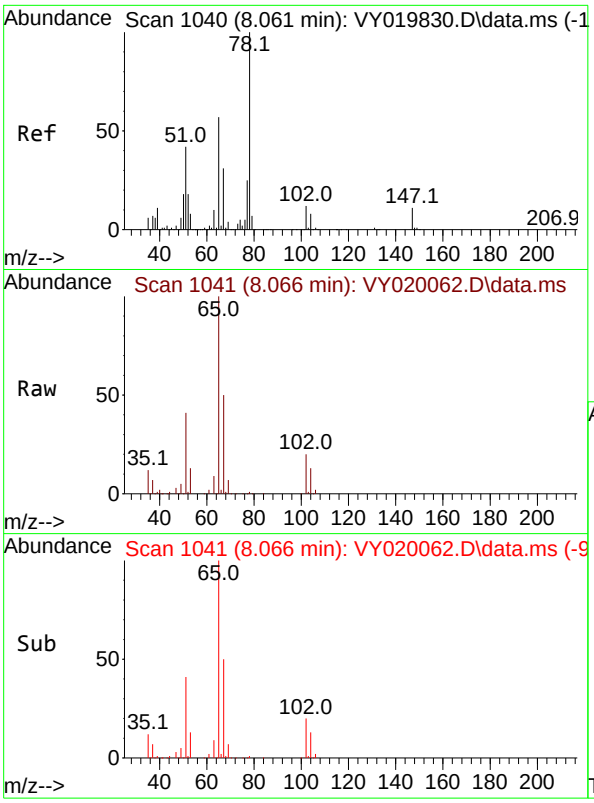


#17
Carbon Disulfide
Concen: 2.267 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY020062.D
Acq: 29 Oct 2024 15:36

Tgt Ion: 76 Resp: 11166

Ion	Ratio	Lower	Upper
76	100		
78	7.2	6.8	10.2



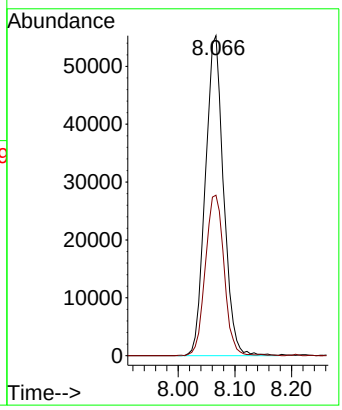


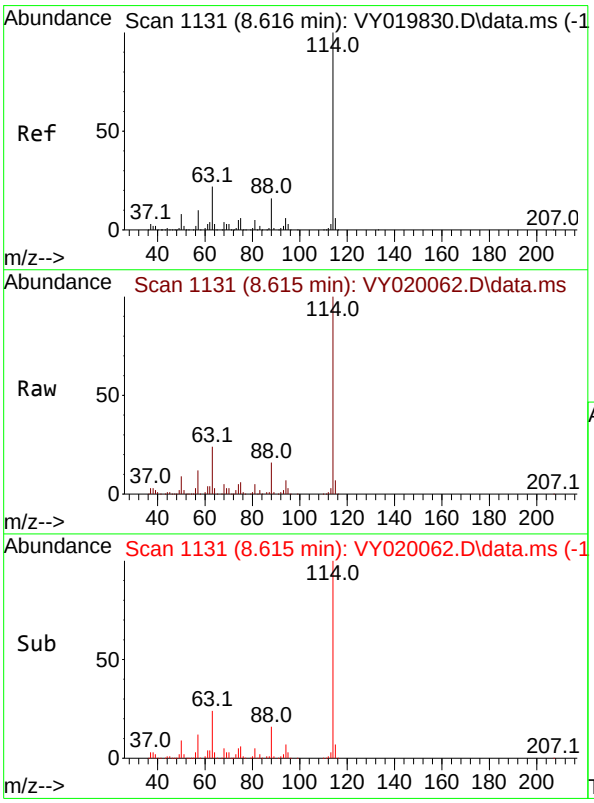
#33
1,2-Dichloroethane-d4
Concen: 58.502 ug/l
RT: 8.066 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020062.D
Acq: 29 Oct 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Tgt Ion: 65 Resp: 123360

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	109.6

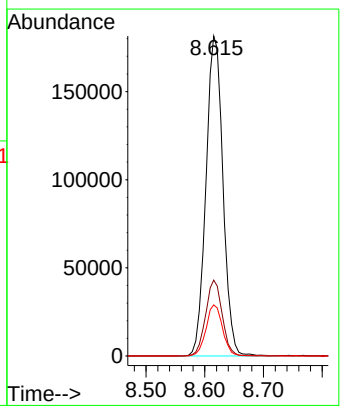


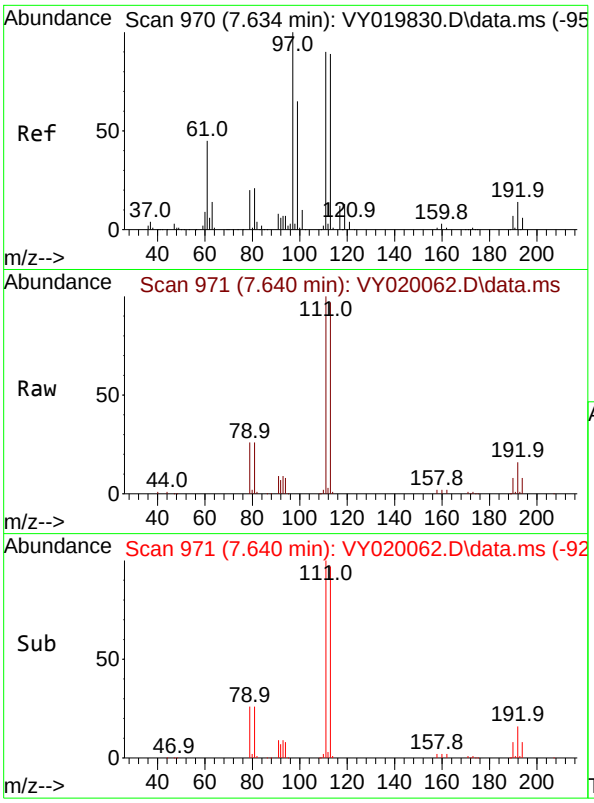


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020062.D
Acq: 29 Oct 2024 15:36

Tgt Ion:114 Resp: 364648

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	35.0
88	15.9	0.0	27.2



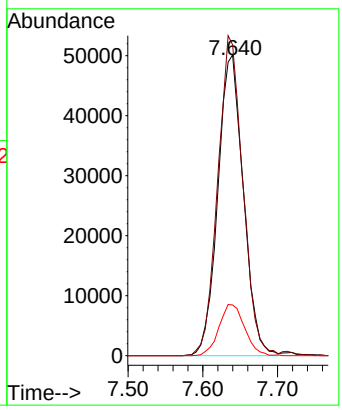


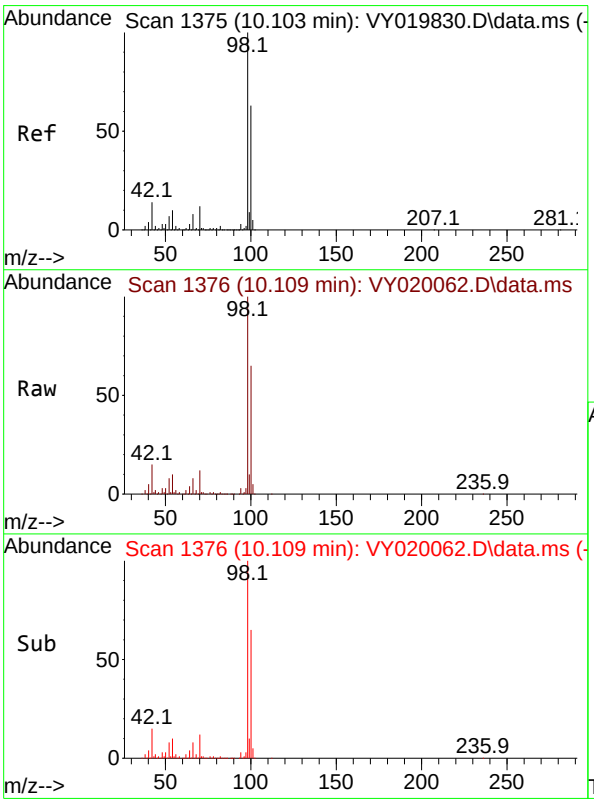
#35
Dibromofluoromethane
Concen: 49.483 ug/l
RT: 7.640 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020062.D
Acq: 29 Oct 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Tgt Ion:113 Resp: 119069

Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.2	123.4
192	17.2	15.9	23.9

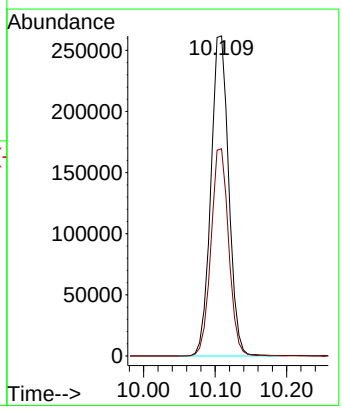


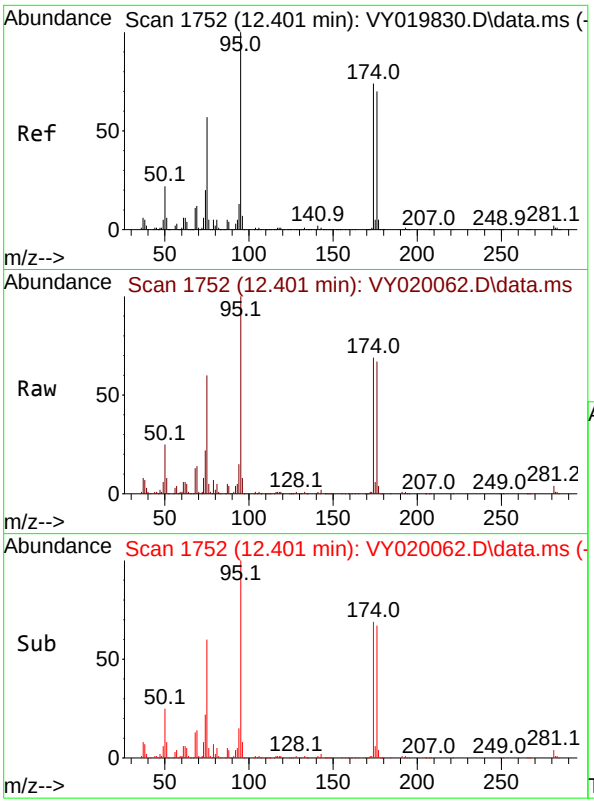


#50
Toluene-d8
Concen: 51.017 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY020062.D
Acq: 29 Oct 2024 15:36

Tgt Ion: 98 Resp: 453335

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0



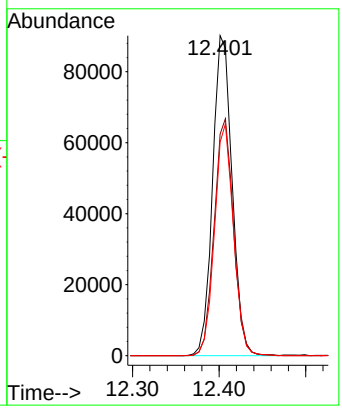


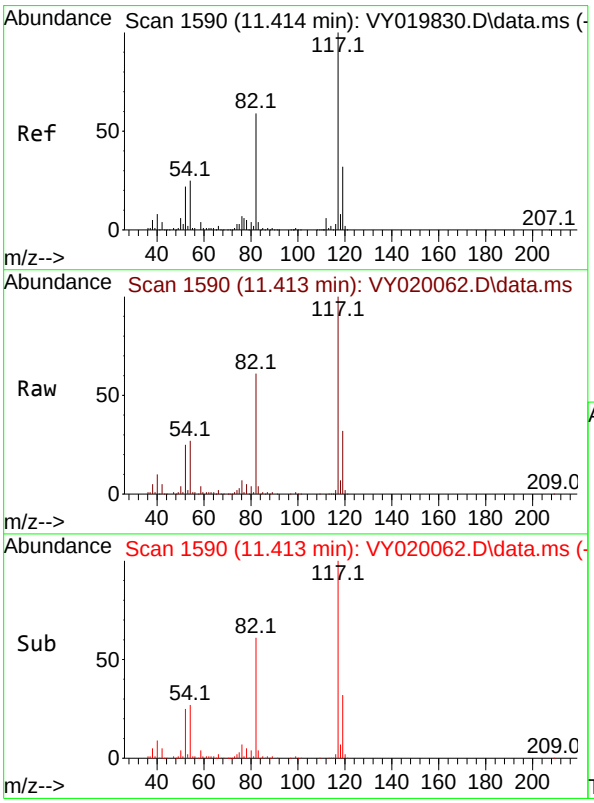
#62
4-Bromofluorobenzene
Concen: 43.784 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020062.D
Acq: 29 Oct 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Tgt Ion: 95 Resp: 140581

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	175.6
176	70.5	0.0	171.4

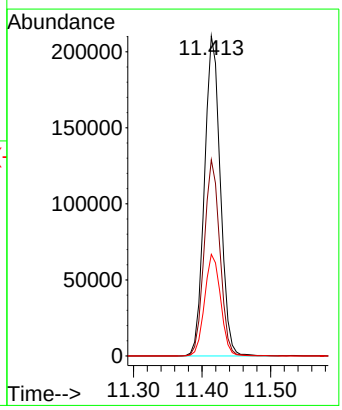


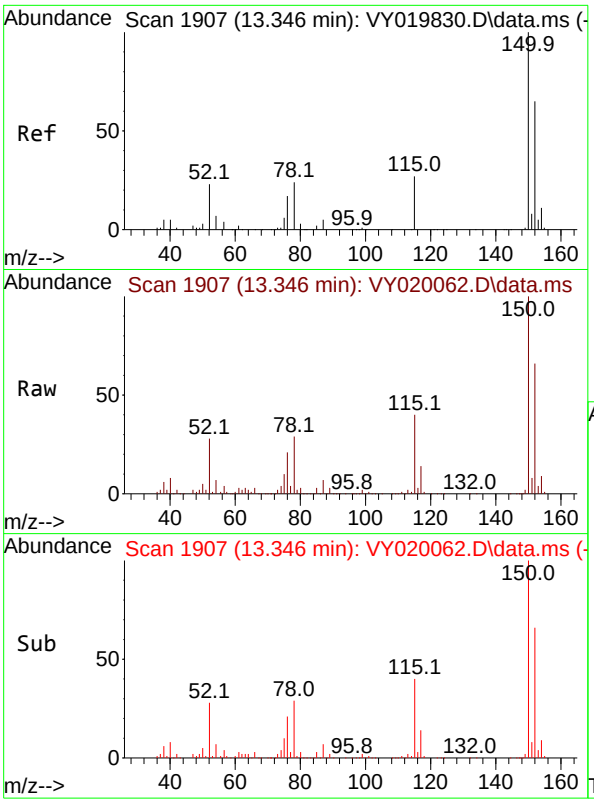


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.413 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020062.D
Acq: 29 Oct 2024 15:36

Tgt Ion:117 Resp: 339109

Ion	Ratio	Lower	Upper
117	100		
82	61.3	42.4	63.6
119	31.8	25.9	38.9



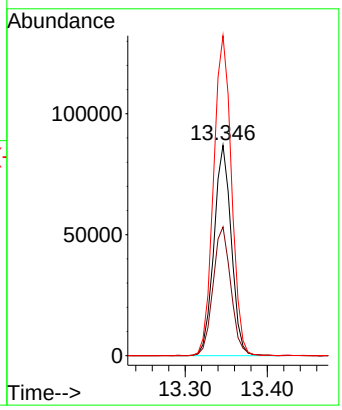


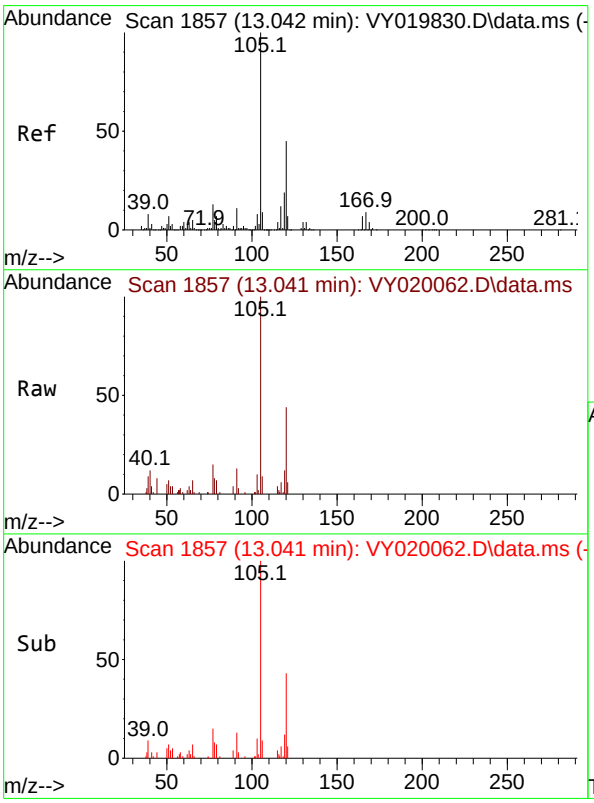
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020062.D
Acq: 29 Oct 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Tgt Ion:152 Resp: 127440

Ion	Ratio	Lower	Upper
152	100		
115	63.1	28.2	84.7
150	157.2	0.0	345.6

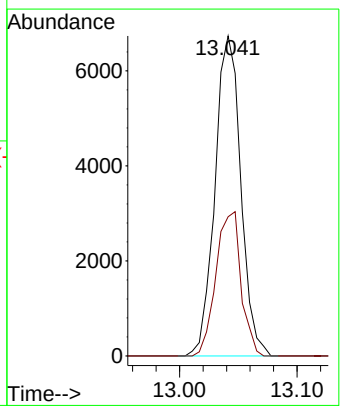




#84
1,2,4-Trimethylbenzene
Concen: 1.199 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY020062.D
Acq: 29 Oct 2024 15:36

Tgt Ion:105 Resp: 10287

Ion	Ratio	Lower	Upper
105	100		
120	43.8	23.2	69.6



Sample Results: **VY020062.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY020062.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.110	383	392	401	rBV	6017	16420	1.30%	0.150%
2	4.622	464	476	485	rBV2	15562	51414	4.06%	0.469%
3	7.634	959	970	976	rBV	174433	408990	32.31%	3.730%
4	7.713	976	983	994	rVB	243381	570947	45.10%	5.207%
5	8.066	1032	1041	1056	rBV	163398	359316	28.39%	3.277%
6	8.615	1121	1131	1141	rBV	459907	913626	72.17%	8.332%
7	10.103	1367	1375	1383	rBV	726501	1265857	100.00%	11.545%
8	11.413	1582	1590	1602	rBV	704990	1147760	90.67%	10.468%
9	12.401	1745	1752	1763	rBV2	492186	828906	65.48%	7.560%
10	13.041	1852	1857	1864	rVB2	21157	33910	2.68%	0.309%
11	13.346	1900	1907	1918	rVB	578277	952557	75.25%	8.687%
12	13.541	1935	1939	1942	rBV2	52910	67909	5.36%	0.619%
13	13.584	1942	1946	1955	rVB2	117371	208712	16.49%	1.903%
14	13.675	1955	1961	1965	rBV6	12976	21320	1.68%	0.194%
15	13.742	1967	1972	1977	rVB	42318	62855	4.97%	0.573%
16	13.803	1977	1982	1984	rBV	108302	155720	12.30%	1.420%
17	13.834	1984	1987	1991	rVV	128907	183395	14.49%	1.673%
18	13.889	1991	1996	2002	rVB2	334967	508413	40.16%	4.637%
19	13.998	2008	2014	2019	rBV2	118706	191933	15.16%	1.750%
20	14.072	2019	2026	2031	rBV4	26497	65543	5.18%	0.598%
21	14.132	2031	2036	2040	rVV	96245	146658	11.59%	1.338%
22	14.212	2040	2049	2052	rVV	254407	436821	34.51%	3.984%
23	14.254	2052	2056	2060	rVV	409198	599032	47.32%	5.463%
24	14.297	2060	2063	2067	rVV2	136444	207593	16.40%	1.893%
25	14.340	2067	2070	2077	rVV	98620	144910	11.45%	1.322%
26	14.395	2077	2079	2083	rVV2	11929	17518	1.38%	0.160%
27	14.437	2083	2086	2089	rVV	39219	47998	3.79%	0.438%
28	14.480	2089	2093	2097	rVV	147482	214152	16.92%	1.953%
29	14.529	2097	2101	2106	rVB	121193	169473	13.39%	1.546%
30	14.596	2106	2112	2118	rBV2	270823	584351	46.16%	5.329%
31	14.651	2118	2121	2127	rVB	65739	102440	8.09%	0.934%
32	14.767	2135	2140	2141	rBV5	8712	13684	1.08%	0.125%
33	14.864	2150	2156	2166	rVB2	41558	90485	7.15%	0.825%
34	14.962	2166	2172	2177	rBV5	18017	35005	2.77%	0.319%
35	15.053	2181	2187	2192	rVB6	15102	32331	2.55%	0.295%
36	15.126	2192	2199	2200	rBV5	17393	32008	2.53%	0.292%

Sample Results: **VY020062.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

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\82Y100924S.M
Title : SW846 8260

37	15.254	2215	2220	2223	rBV6	8779	15607	1.23%	0.142%
38	15.340	2230	2234	2240	rVB3	20479	29942	2.37%	0.273%
39	15.925	2325	2330	2335	rBV7	8675	15905	1.26%	0.145%
40	16.242	2378	2382	2389	rBV8	7232	13313	1.05%	0.121%

Sum of corrected areas: 10964729

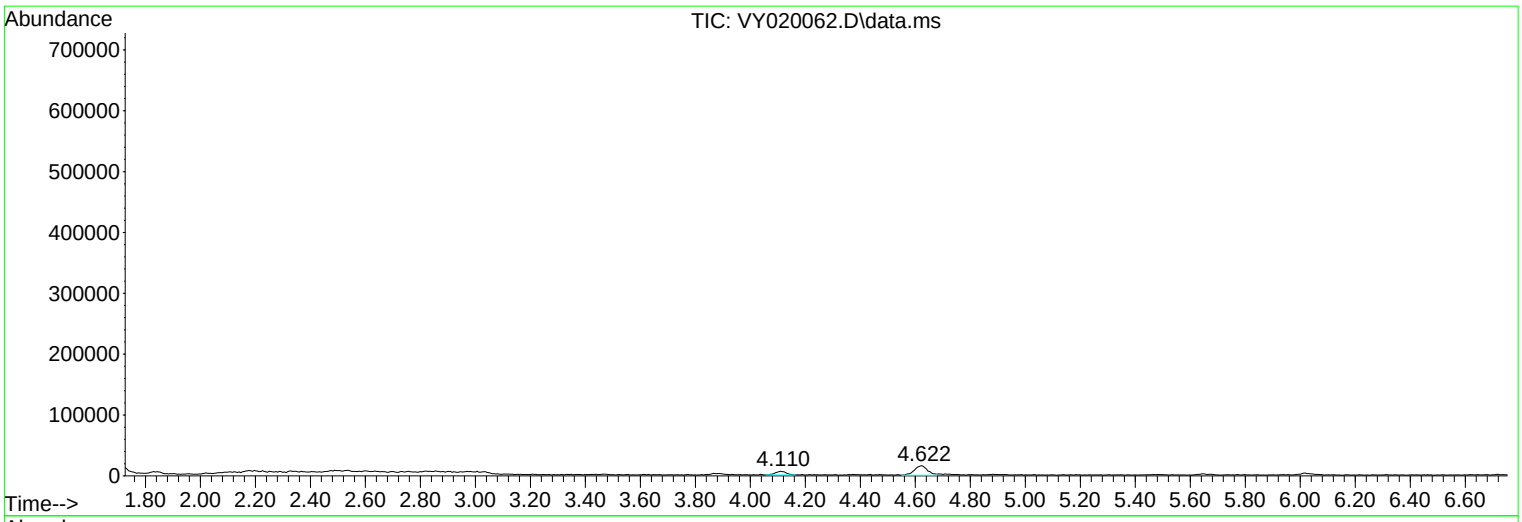
Sample Results: **VY020062.D**

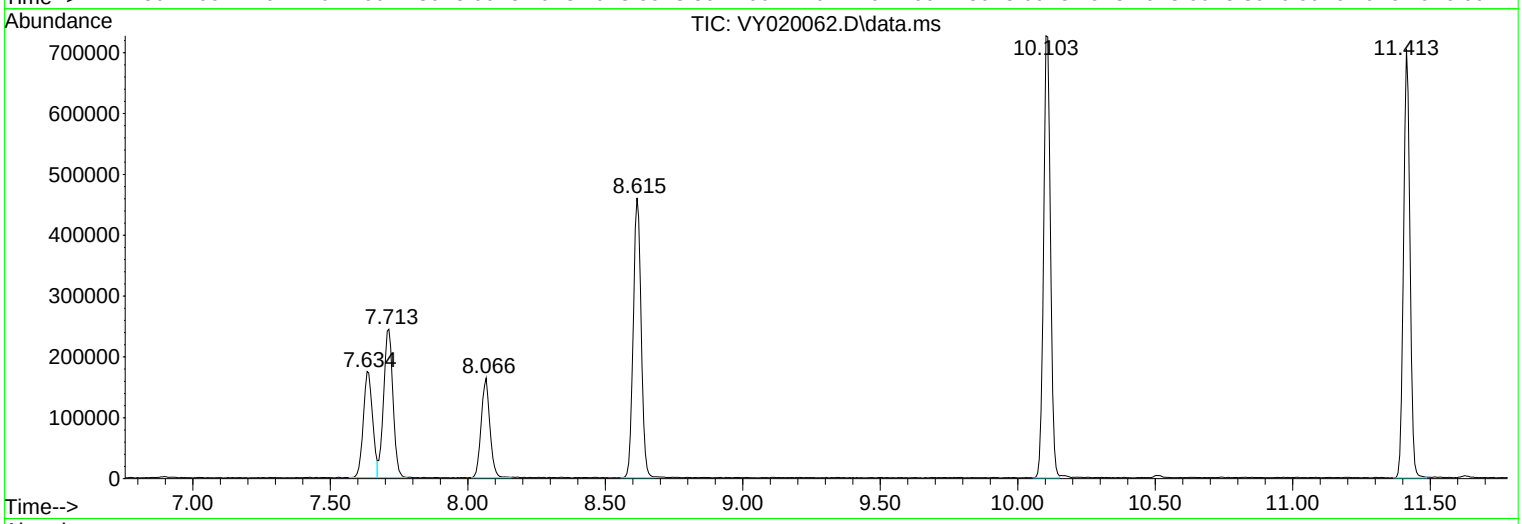
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

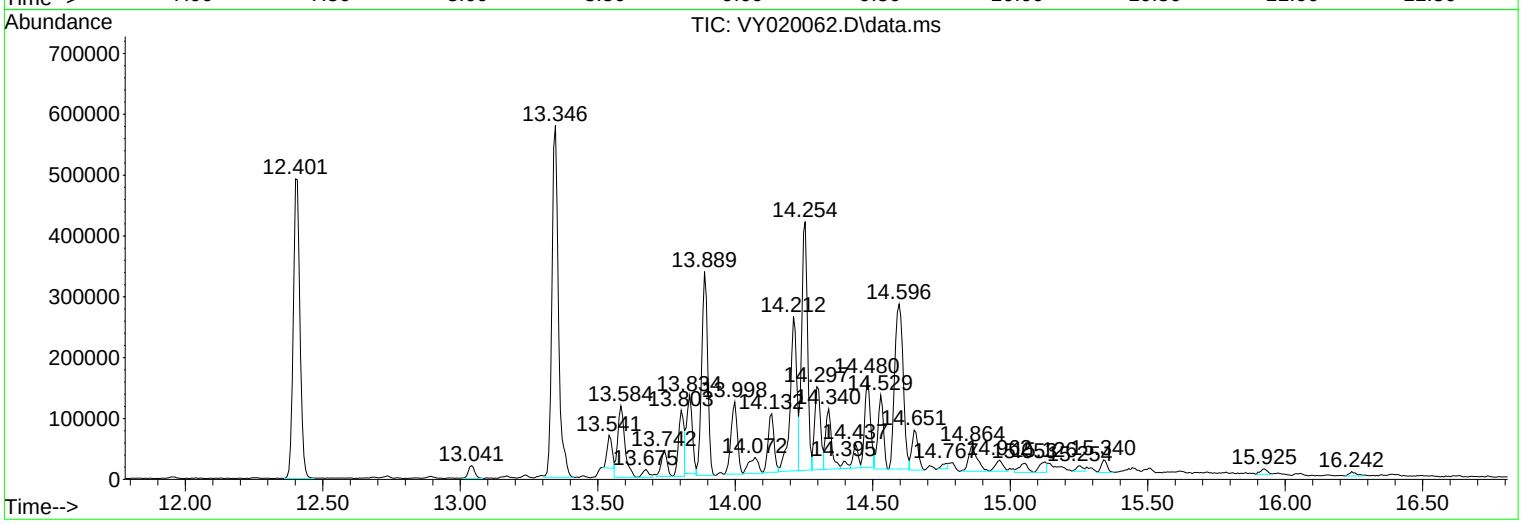
Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

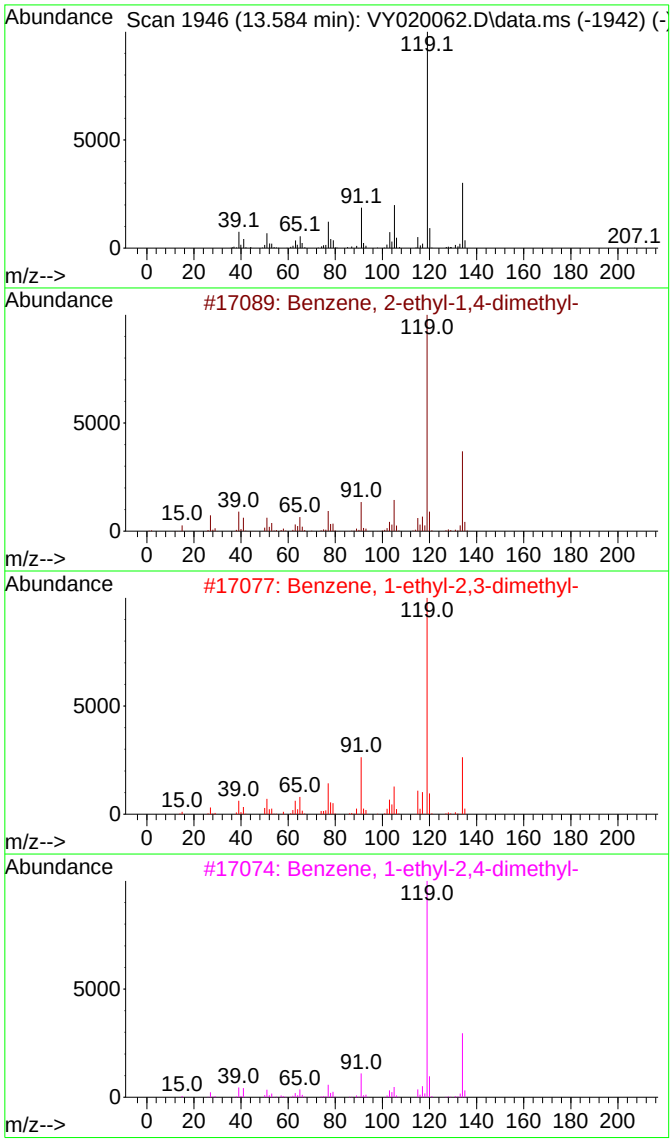
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

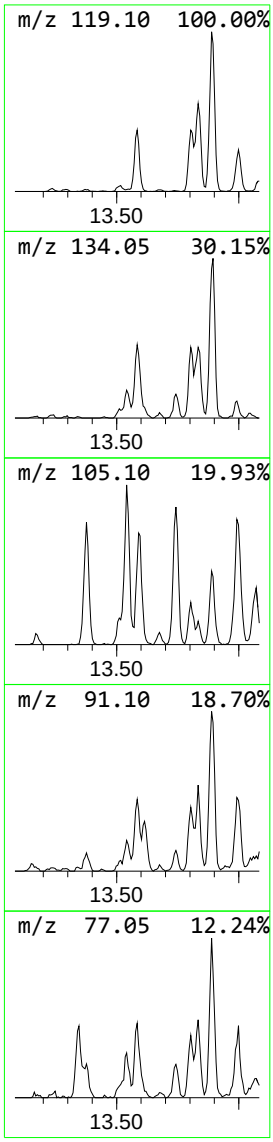
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.584	10.96 ug/l	208712	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	83
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	83
5	o-Cymene	134	C10H14	000527-84-4	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

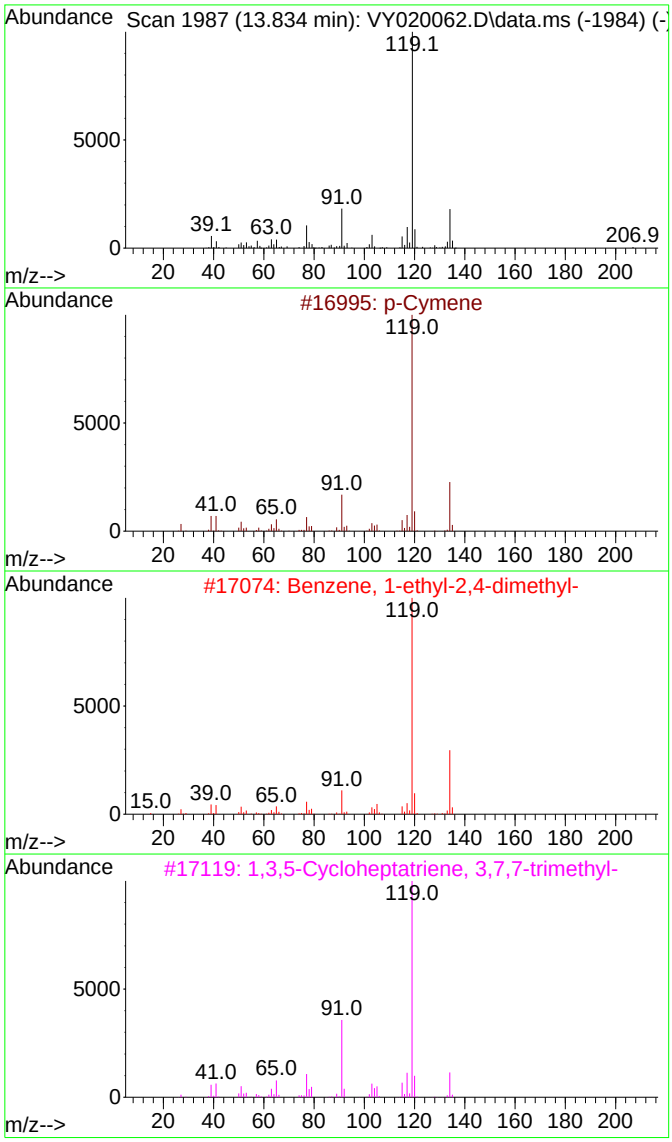
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

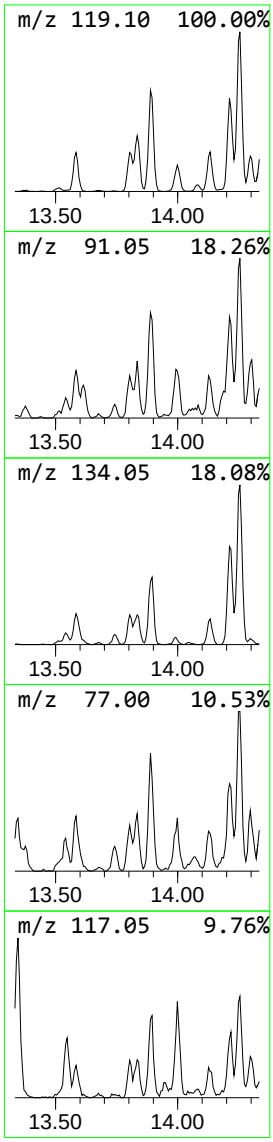
****

Peak Number 2 p-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.834	9.63 ug/l	183395	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
3	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	91
4	o-Cymene	134	C10H14	000527-84-4	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

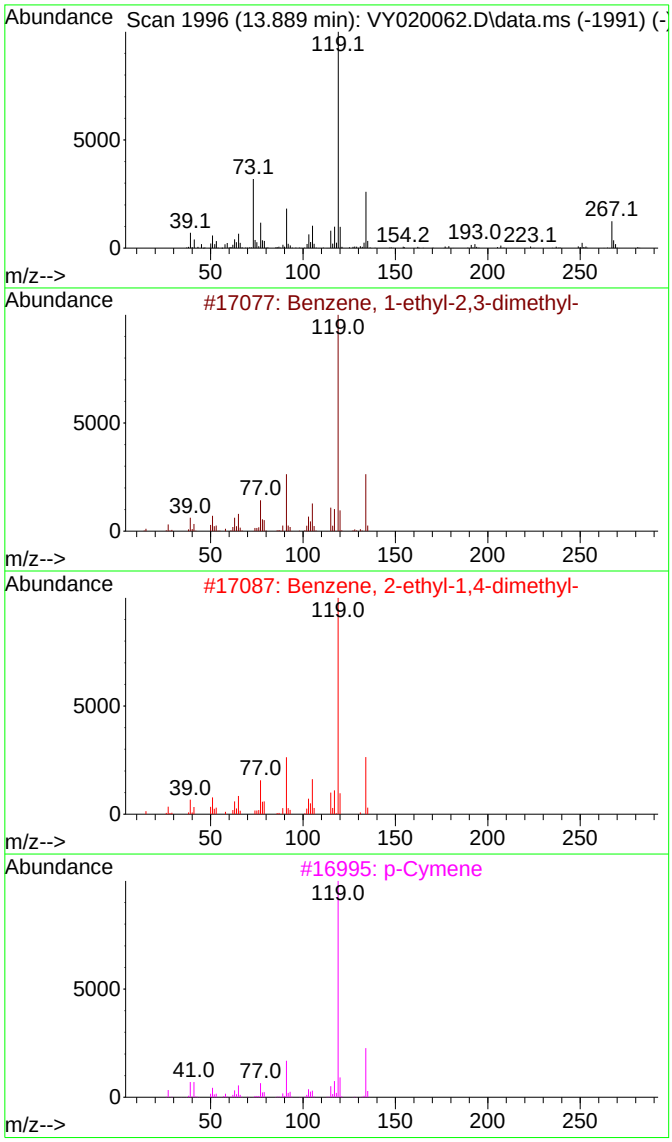
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

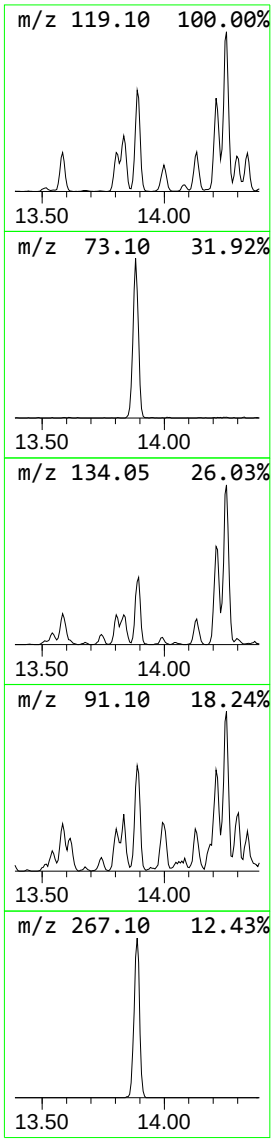
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	26.69 ug/l	508413	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Sample Results: **VY020062.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

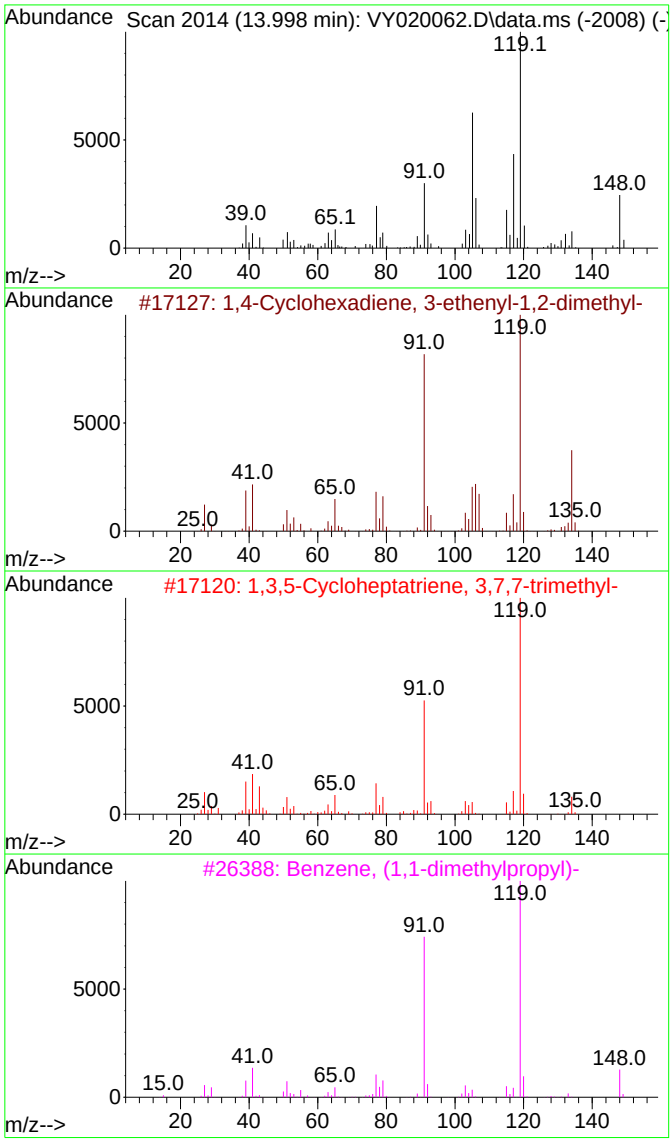
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

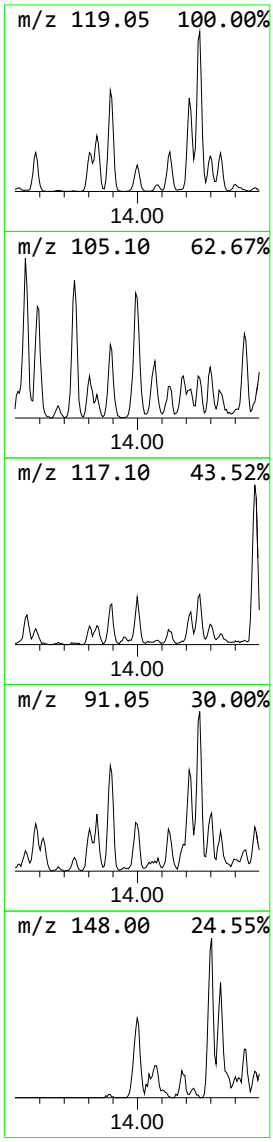
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,4-Cyclohexadiene, 3-ethen... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.998	10.07 ug/l	191933	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Cyclohexadiene, 3-ethenyl-1,...	134	C10H14	062338-57-2	53
2	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	49
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	49
4	4'-Methylpropiophenone	148	C10H12O	005337-93-9	43
5	Cumene hydroperoxide, TMS deriva...	224	C12H20O2Si	018057-16-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

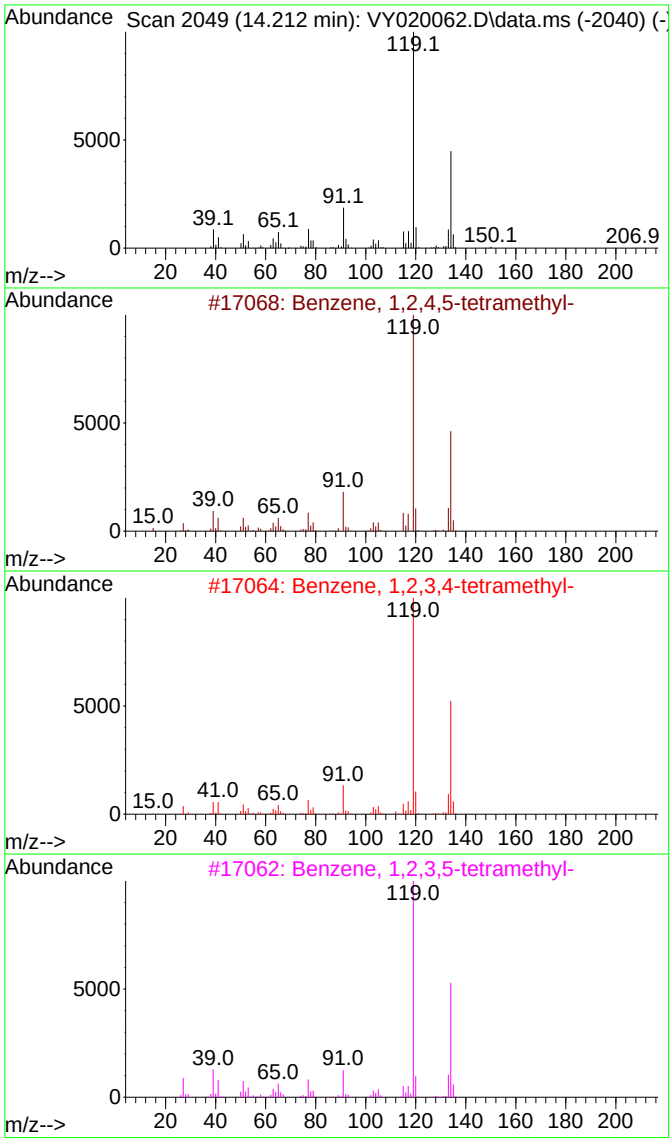
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

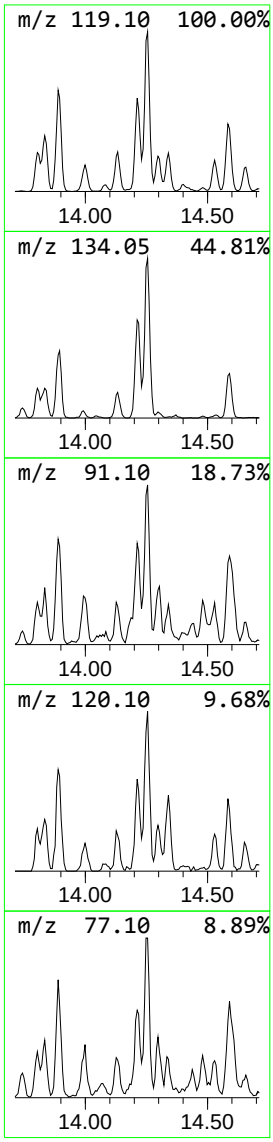
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	22.93 ug/l	436821	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

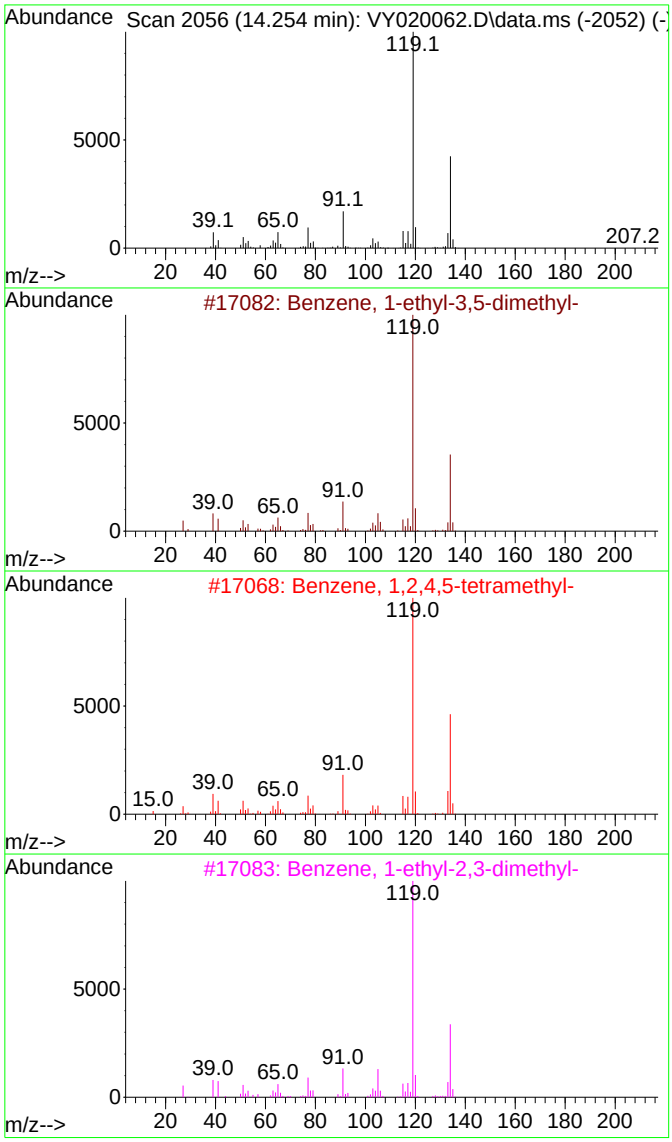
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

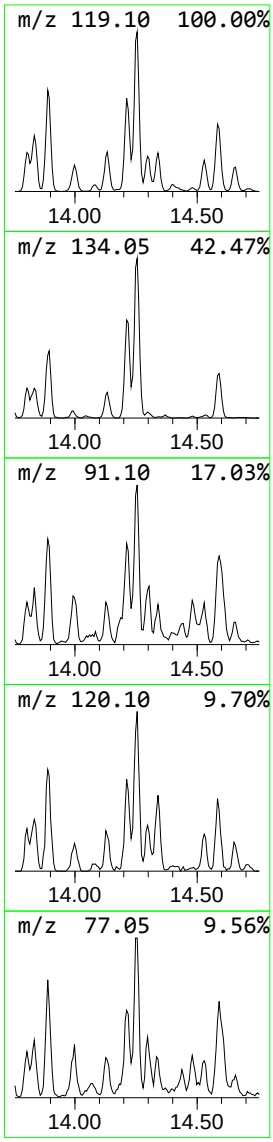
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.254	31.44 ug/l	599032	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

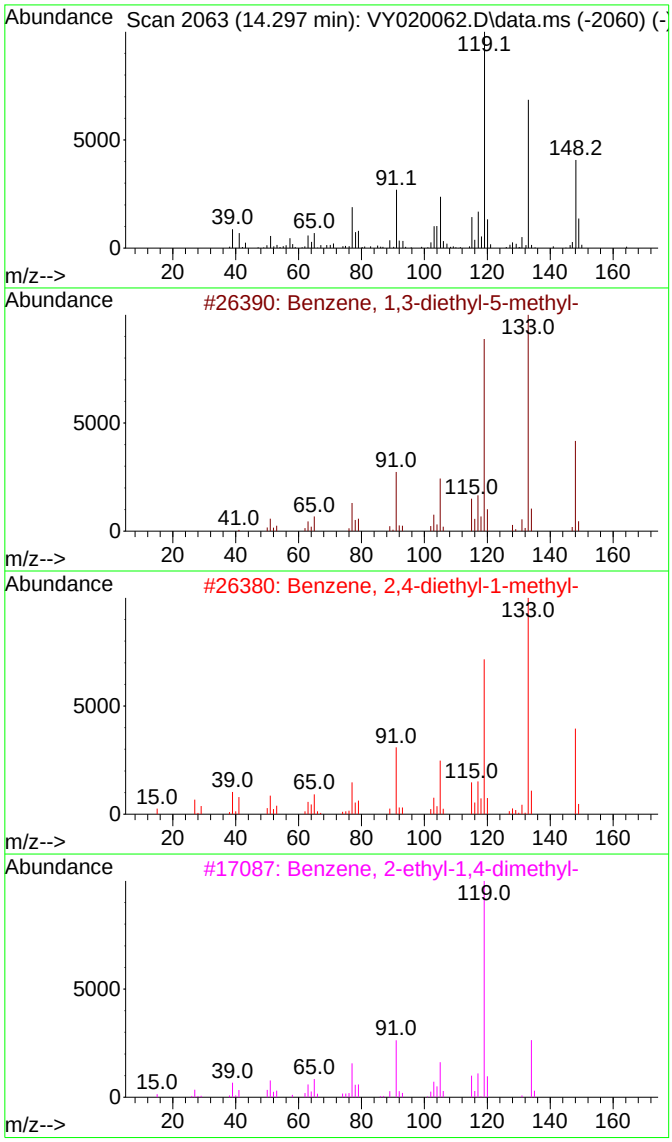
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

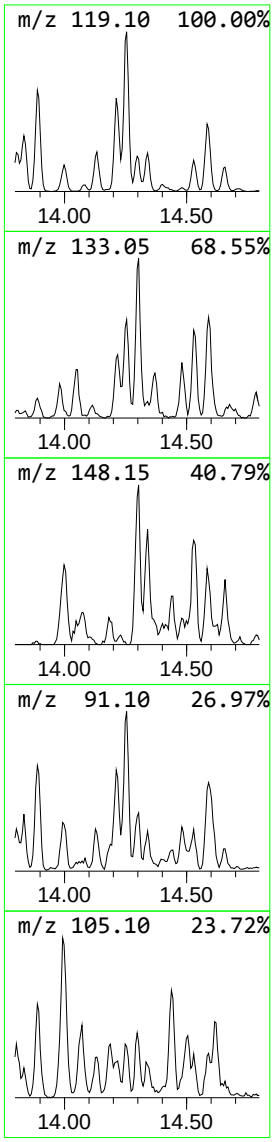
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.297	10.90 ug/l	207593	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	89
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	64
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	49
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	49
5	Propiophenone, 2'-methyl-	148	C10H12O	002040-14-4	43





Sample Results: **VY020062.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

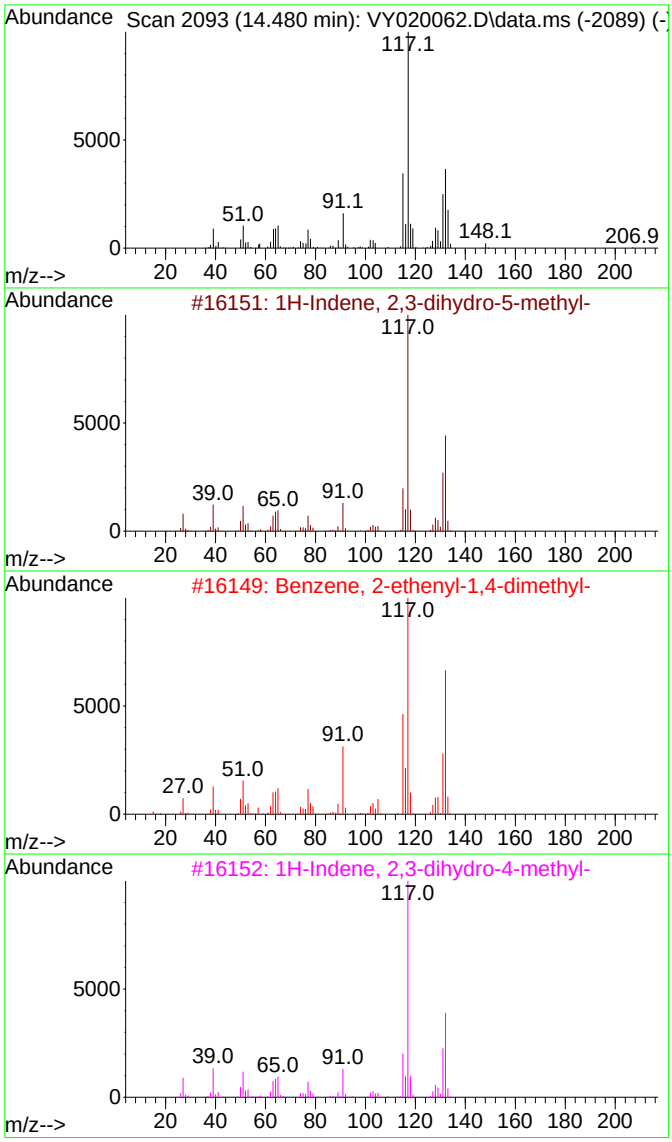
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

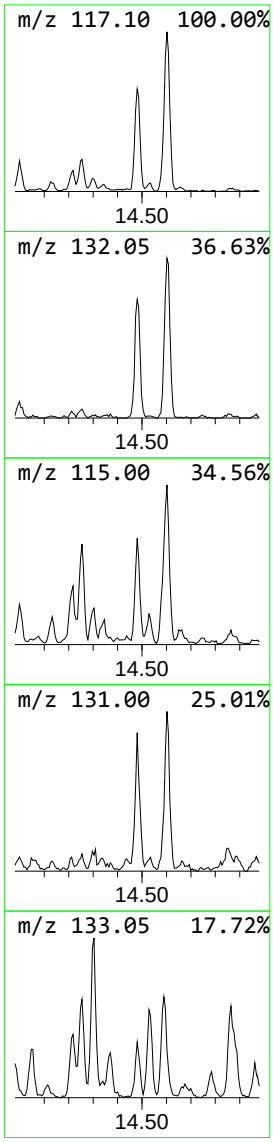
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.480	11.24 ug/l	214152	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
5	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

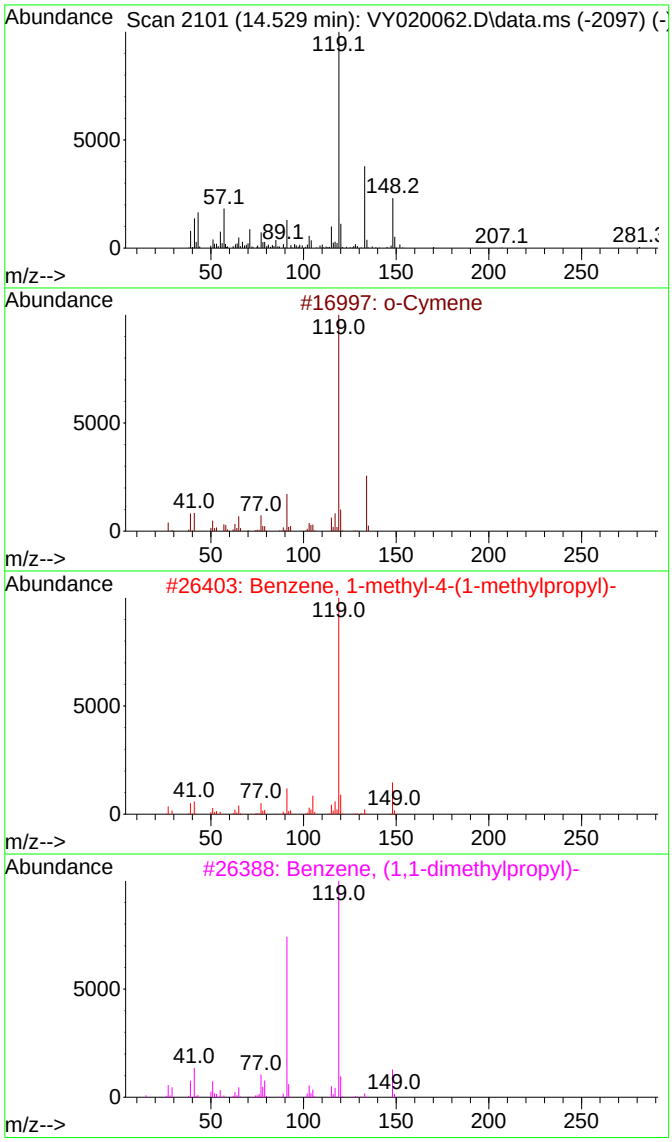
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

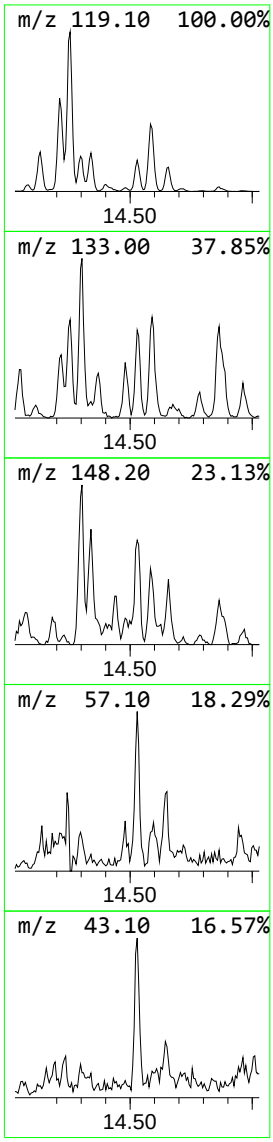
****

Peak Number 9 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.529	8.90 ug/l	169473	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	70
2	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	64
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	59
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	58
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

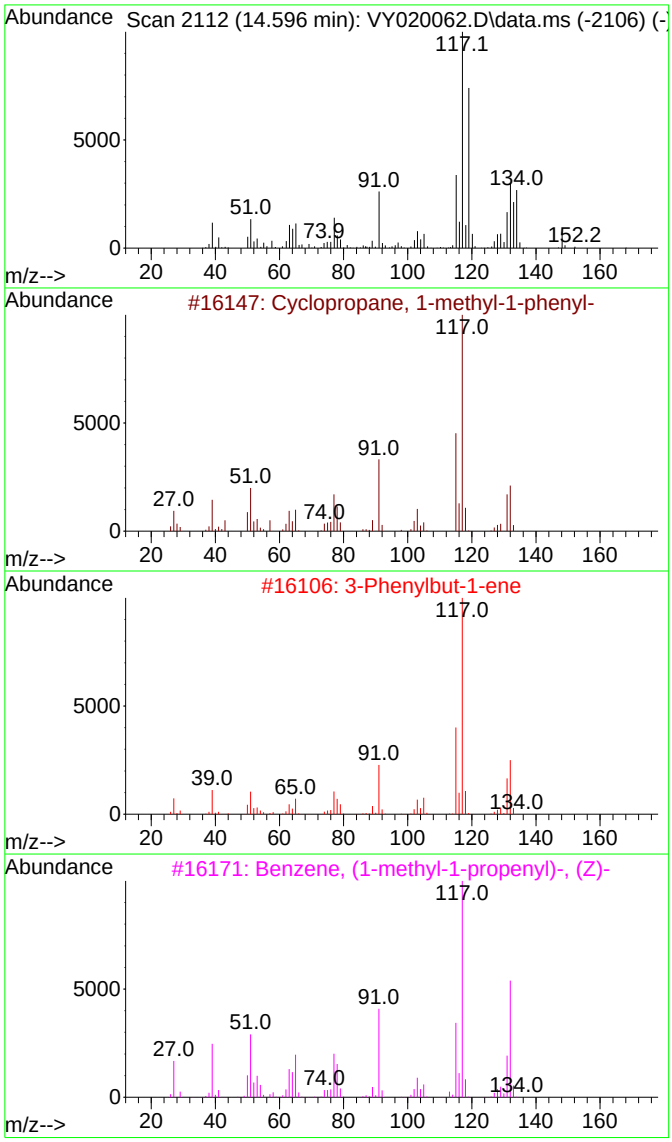
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

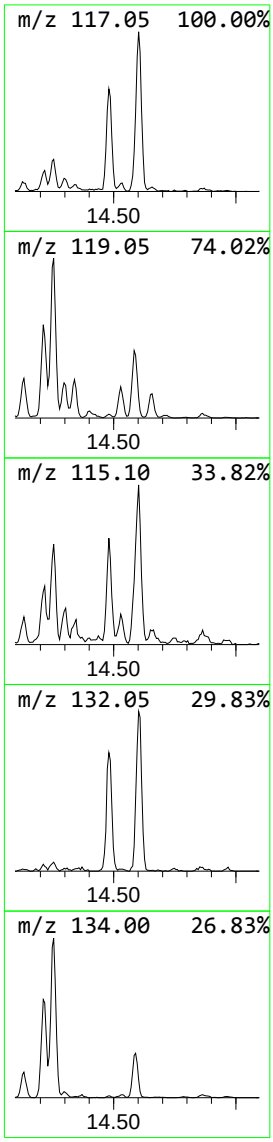
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopropane, 1-methyl-1-ph... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	30.67 ug/l	584351	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	89
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	70
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	55
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	55





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020062.D
Acq On : 29 Oct 2024 15:36
Operator : SY/MD
Sample : P4578-05
Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 2-ethy...	13.584	11.0	ug/l	208712	4	13.346	952557	50.0
p-Cymene	13.834	9.6	ug/l	183395	4	13.346	952557	50.0
Benzene, 1-ethy...	13.889	26.7	ug/l	508413	4	13.346	952557	50.0
1,4-Cyclohexadi...	13.998	10.1	ug/l	191933	4	13.346	952557	50.0
Benzene, 1,2,4,...	14.212	22.9	ug/l	436821	4	13.346	952557	50.0
Benzene, 1-ethy...	14.254	31.4	ug/l	599032	4	13.346	952557	50.0
Benzene, 1,3-di...	14.297	10.9	ug/l	207593	4	13.346	952557	50.0
1H-Indene, 2,3-...	14.480	11.2	ug/l	214152	4	13.346	952557	50.0
o-Cymene	14.529	8.9	ug/l	169473	4	13.346	952557	50.0
Cyclopropane, 1...	14.596	30.7	ug/l	584351	4	13.346	952557	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020035.D
Acq On : 28 Oct 2024 12:43
Operator : SY/MD
Sample : P4578-07
Misc : 9.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT-1

Quant Time: Oct 29 01:56:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

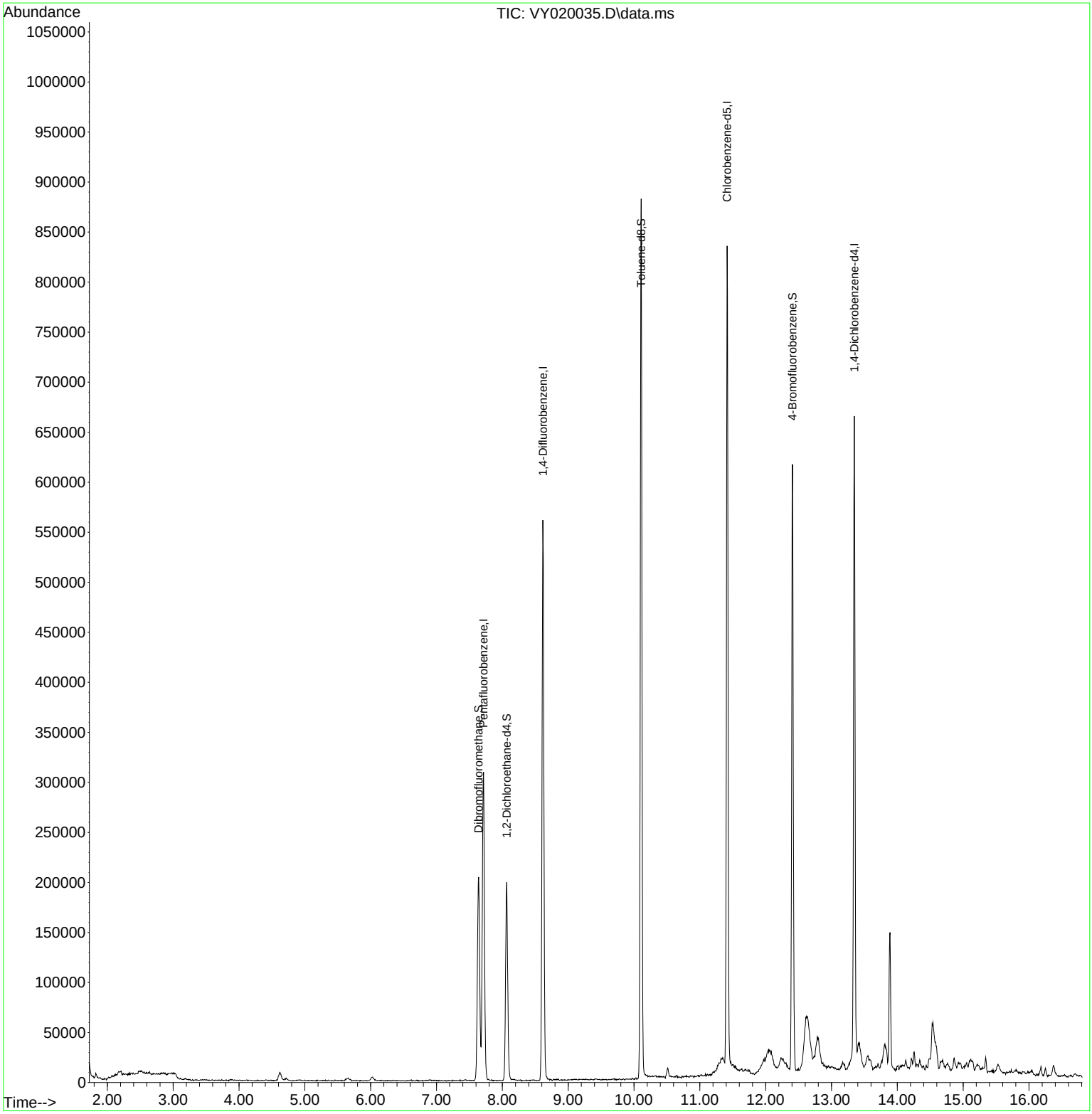
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	212409	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	437109	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	398917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	148565	56.804	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.600%			
35) Dibromofluoromethane	7.640	113	144871	50.225	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.460%			
50) Toluene-d8	10.109	98	549680	51.604	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.200%			
62) 4-Bromofluorobenzene	12.407	95	169141	43.946	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 87.900%			
Target Compounds						Qvalue

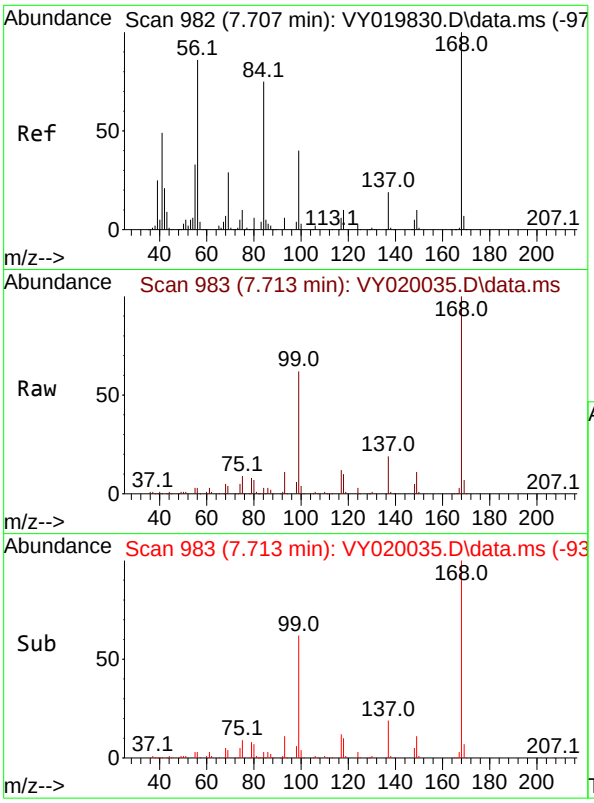
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020035.D
Acq On : 28 Oct 2024 12:43
Operator : SY/MD
Sample : P4578-07
Misc : 9.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT-1

Quant Time: Oct 29 01:56:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



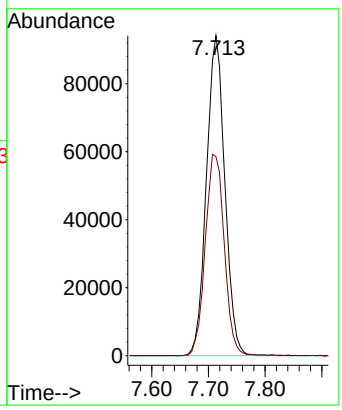


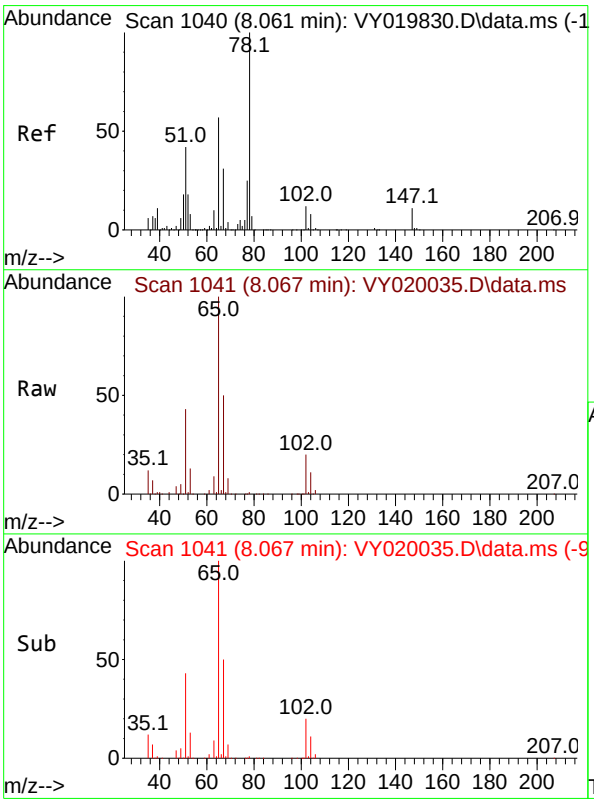
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT-1

Tgt Ion:168 Resp: 212409

Ion	Ratio	Lower	Upper
168	100		
99	62.2	39.1	58.7#

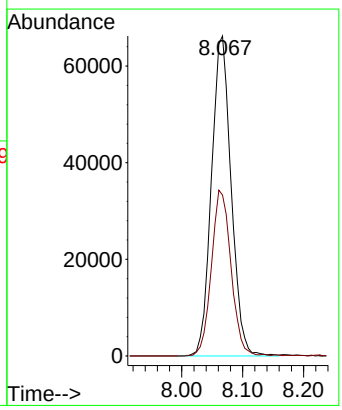


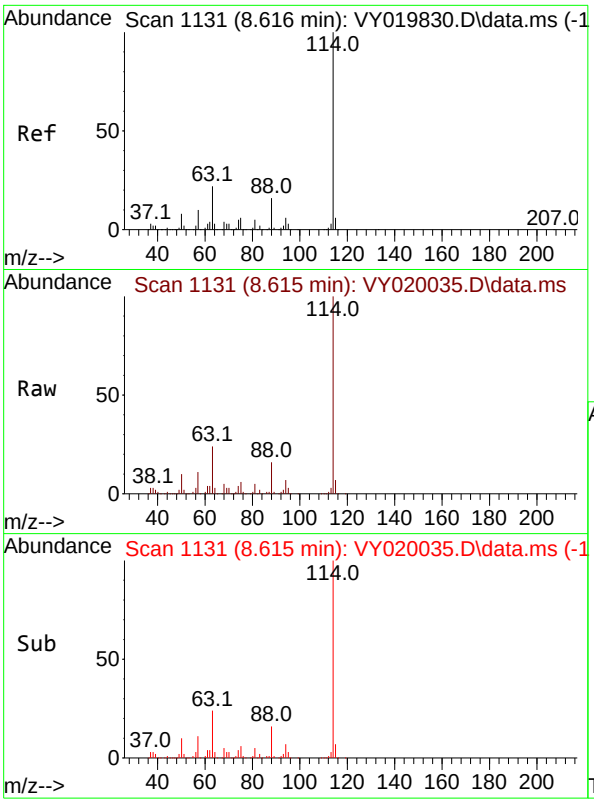


#33
1,2-Dichloroethane-d4
Concen: 56.804 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Tgt Ion: 65 Resp: 148565

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	109.6



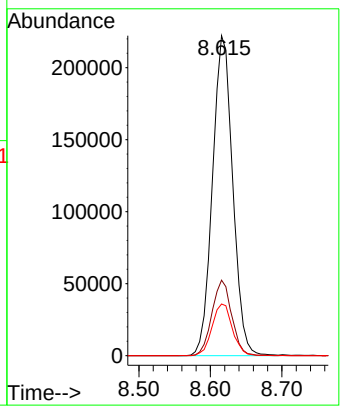


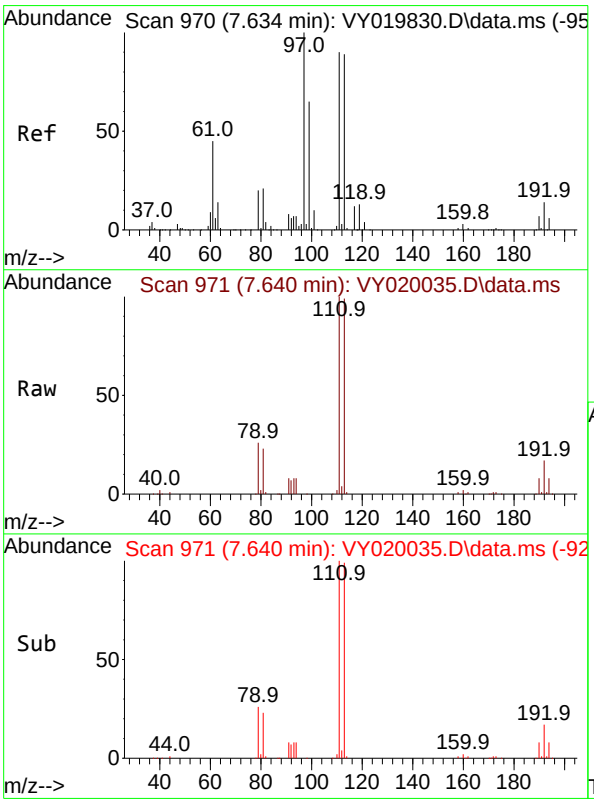
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT-1

Tgt Ion:114 Resp: 437109

Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	35.0
88	16.1	0.0	27.2

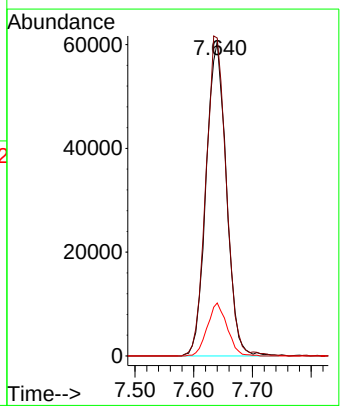


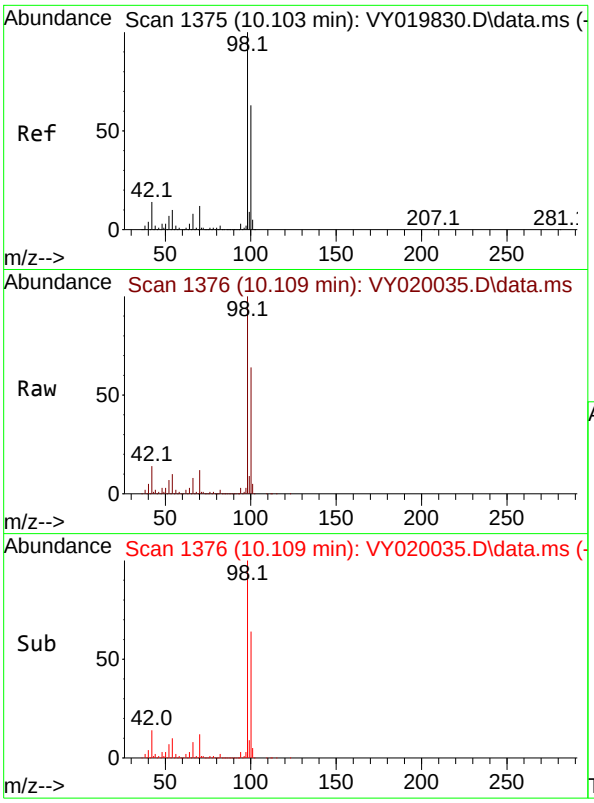


#35
Dibromofluoromethane
Concen: 50.225 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Tgt Ion:113 Resp: 144871

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	16.5	15.9	23.9



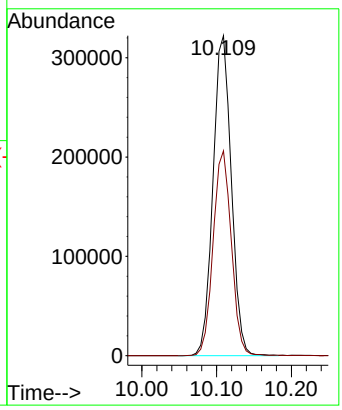


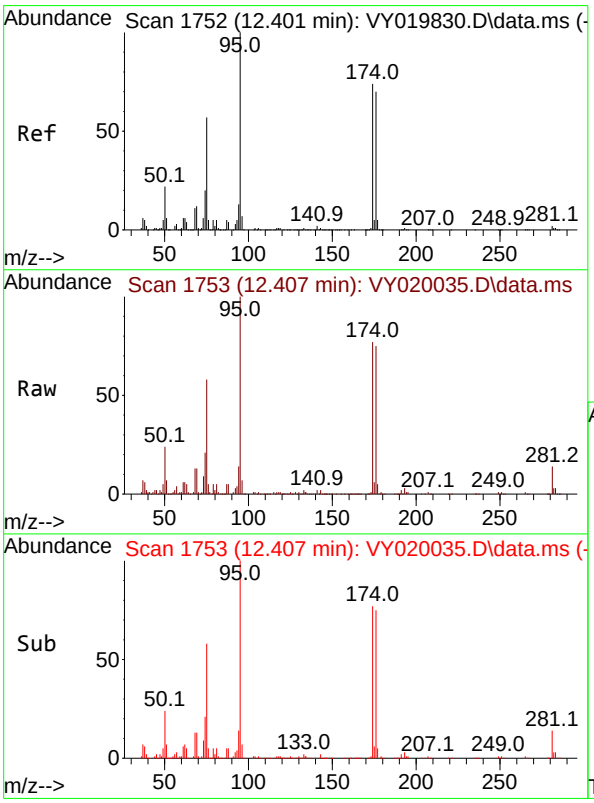
#50
Toluene-d8
Concen: 51.604 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT-1

Tgt Ion: 98 Resp: 549680

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0

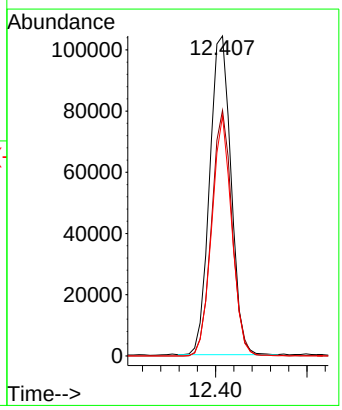


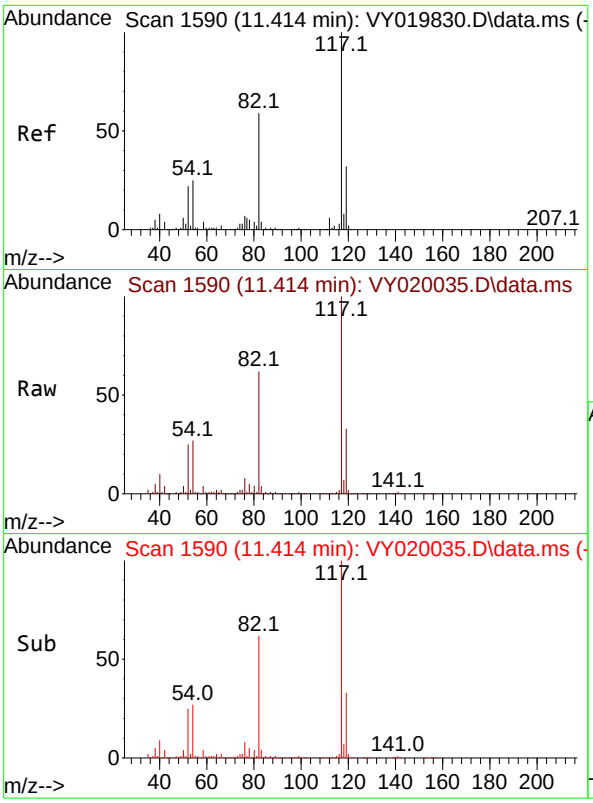


#62
4-Bromofluorobenzene
Concen: 43.946 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Tgt Ion: 95 Resp: 169141

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	175.6
176	70.3	0.0	171.4



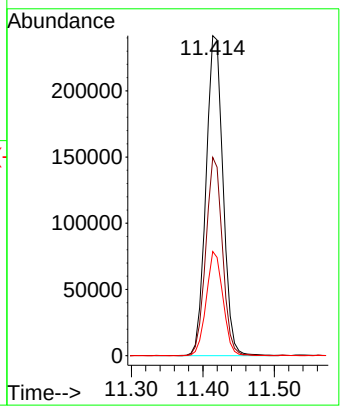


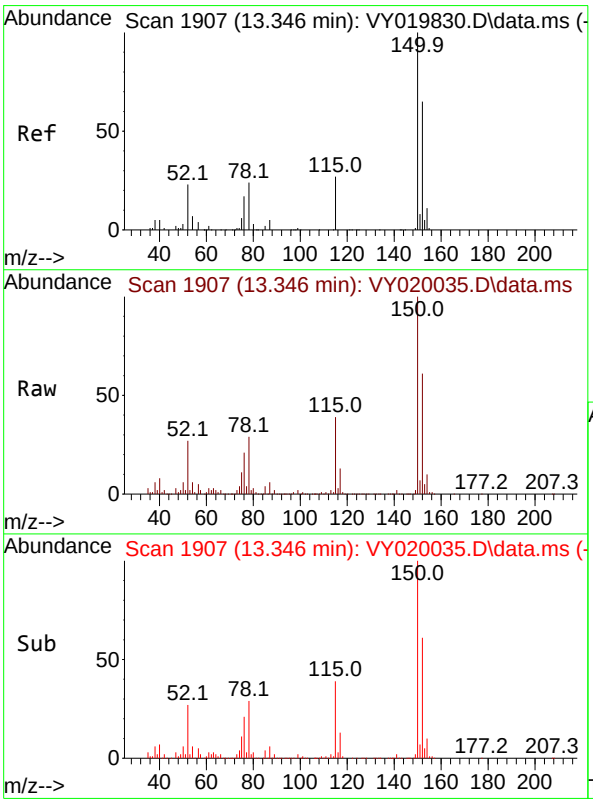
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT-1

Tgt Ion:117 Resp: 398917

Ion	Ratio	Lower	Upper
117	100		
82	61.9	42.4	63.6
119	32.6	25.9	38.9

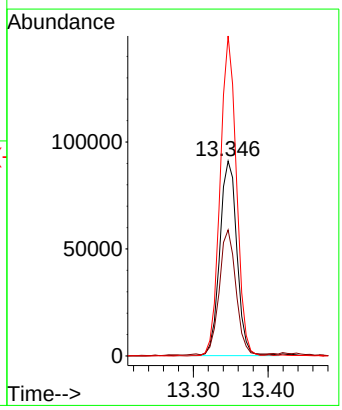




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020035.D
Acq: 28 Oct 2024 12:43

Tgt Ion:152 Resp: 145301

Ion	Ratio	Lower	Upper
152	100		
115	63.1	28.2	84.7
150	156.2	0.0	345.6



Sample Results: **VY020035.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020035.D
Acq On : 28 Oct 2024 12:43
Operator : SY/MD
Sample : P4578-07
Misc : 9.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT-1

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY020035.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	469	476	487	rBV4	8036	22813	1.50%	0.261%
2	7.640	959	971	977	rBV	203770	499993	32.98%	5.725%
3	7.713	977	983	994	rVB	307759	694366	45.80%	7.950%
4	8.067	1027	1041	1052	rBV	198391	440075	29.03%	5.039%
5	8.615	1123	1131	1144	rBV	559897	1102598	72.73%	12.624%
6	10.109	1368	1376	1386	rBV	879180	1516114	100.00%	17.359%
7	10.511	1436	1442	1448	rBV	10429	22788	1.50%	0.261%
8	11.292	1562	1570	1572	rBV6	8540	20687	1.36%	0.237%
9	11.414	1584	1590	1598	rVB	816424	1321969	87.19%	15.136%
10	11.969	1668	1681	1683	rBV	12200	36794	2.43%	0.421%
11	12.231	1719	1724	1727	rBV6	7840	15502	1.02%	0.177%
12	12.407	1746	1753	1761	rVB2	605863	1041242	68.68%	11.922%
13	12.621	1775	1788	1803	rBV5	49320	284708	18.78%	3.260%
14	12.785	1808	1815	1816	rBV7	20104	35631	2.35%	0.408%
15	13.346	1901	1907	1914	rBV	638702	983345	64.86%	11.259%
16	13.554	1935	1941	1944	rBV8	8879	19688	1.30%	0.225%
17	13.810	1976	1983	1990	rVV8	24616	86340	5.69%	0.989%
18	13.889	1990	1996	2007	rVB2	137271	240102	15.84%	2.749%
19	14.255	2052	2056	2060	rVB	15062	23261	1.53%	0.266%
20	14.492	2089	2095	2096	rBV5	9006	17184	1.13%	0.197%
21	14.541	2096	2103	2117	rVB6	46161	191611	12.64%	2.194%
22	14.864	2151	2156	2162	rBV8	11118	21330	1.41%	0.244%
23	15.340	2231	2234	2239	rVB3	15411	21923	1.45%	0.251%
24	15.529	2260	2265	2277	rVB3	8675	26963	1.78%	0.309%
25	16.181	2366	2372	2377	rVV3	9323	16027	1.06%	0.184%
26	16.370	2397	2403	2415	rVB7	11073	30821	2.03%	0.353%

Sum of corrected areas: 8733875

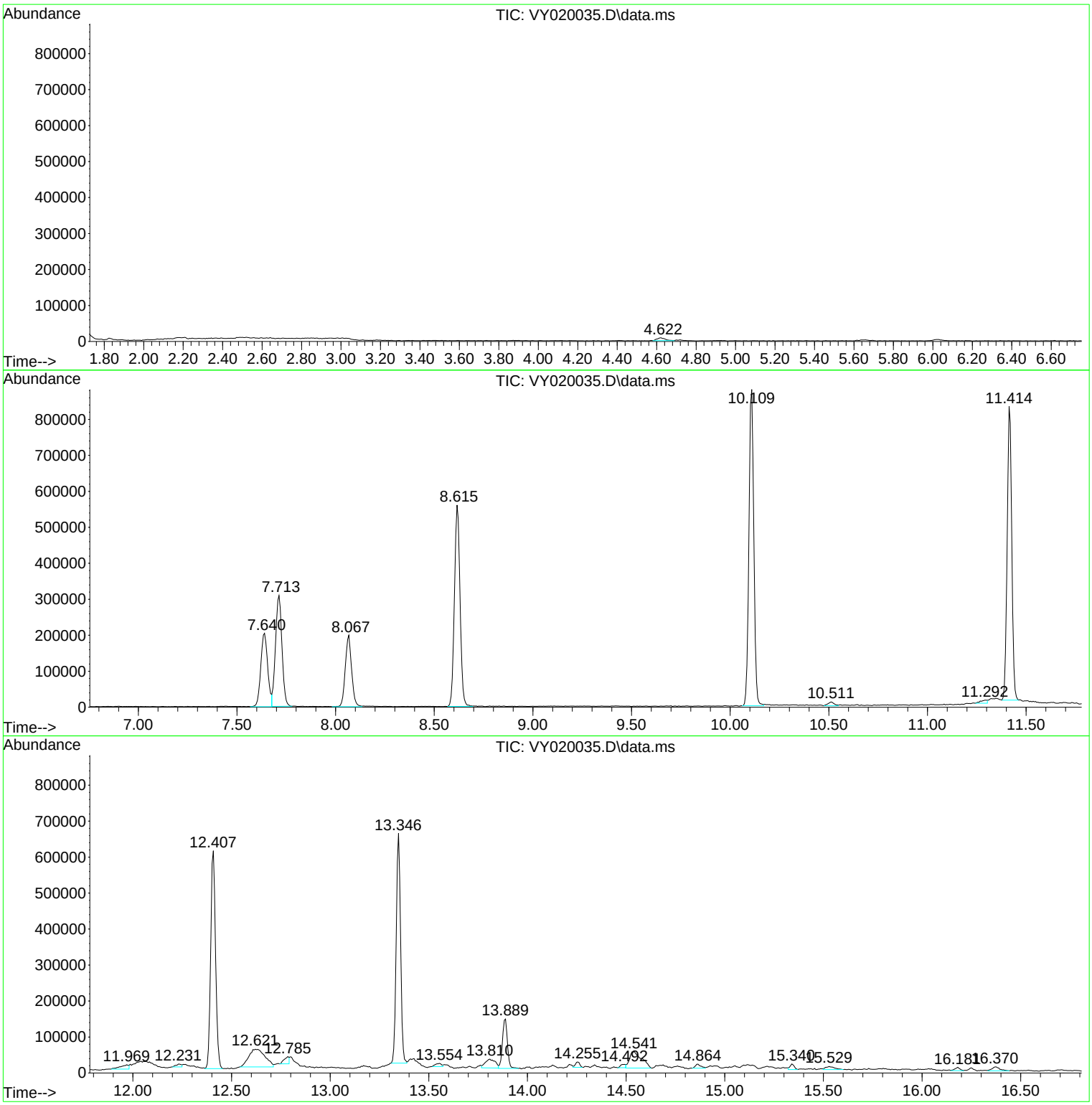
Sample Results: **VY020035.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020035.D
Acq On : 28 Oct 2024 12:43
Operator : SY/MD
Sample : P4578-07
Misc : 9.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020035.D
Acq On : 28 Oct 2024 12:43
Operator : SY/MD
Sample : P4578-07
Misc : 9.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

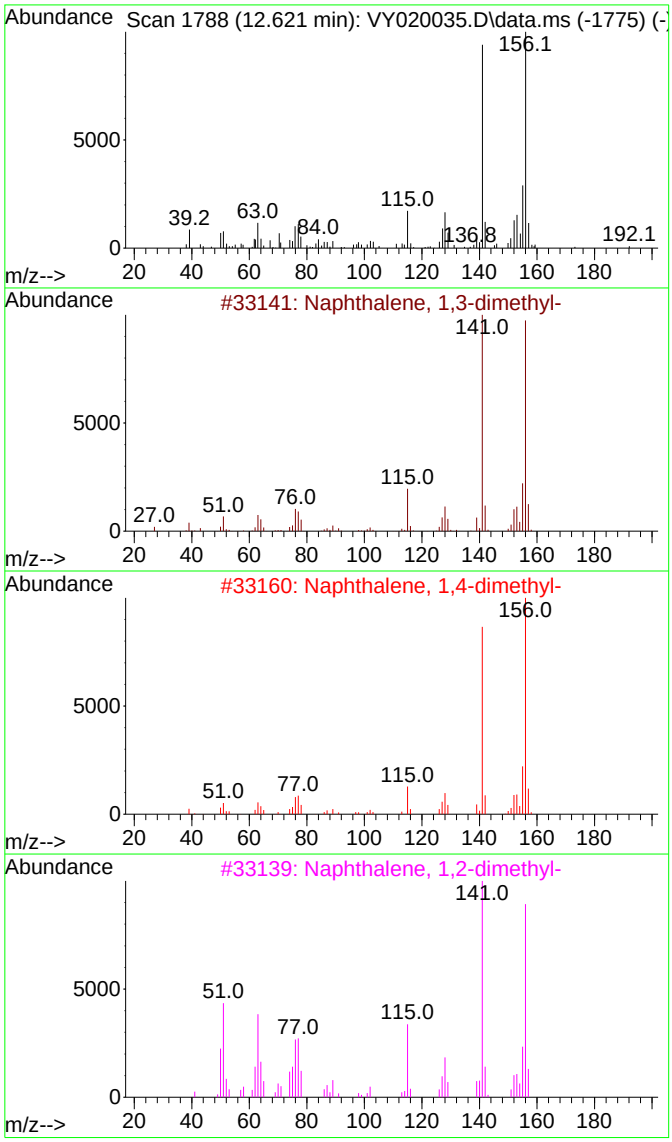
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

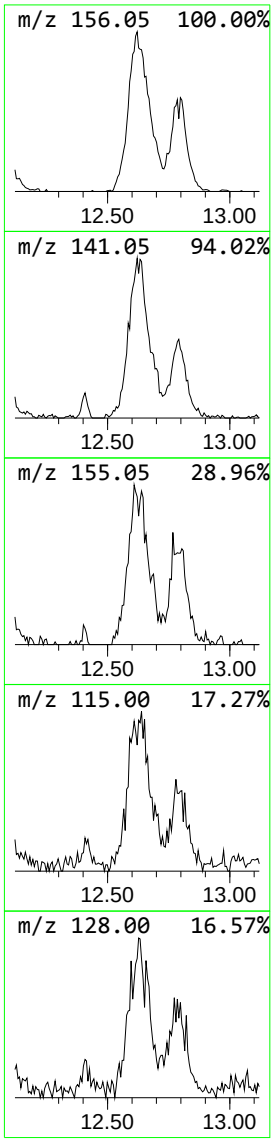
****

Peak Number 1 Naphthalene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.621	14.48 ug/l	284708	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020035.D
Acq On : 28 Oct 2024 12:43
Operator : SY/MD
Sample : P4578-07
Misc : 9.43g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-BOT-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1,...	12.621	14.5	ug/l	284708	4	13.346	983345	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043591.D
Acq On : 29 Oct 2024 12:56
Operator : JC/MD
Sample : P4578-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

Quant Time: Oct 30 01:30:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

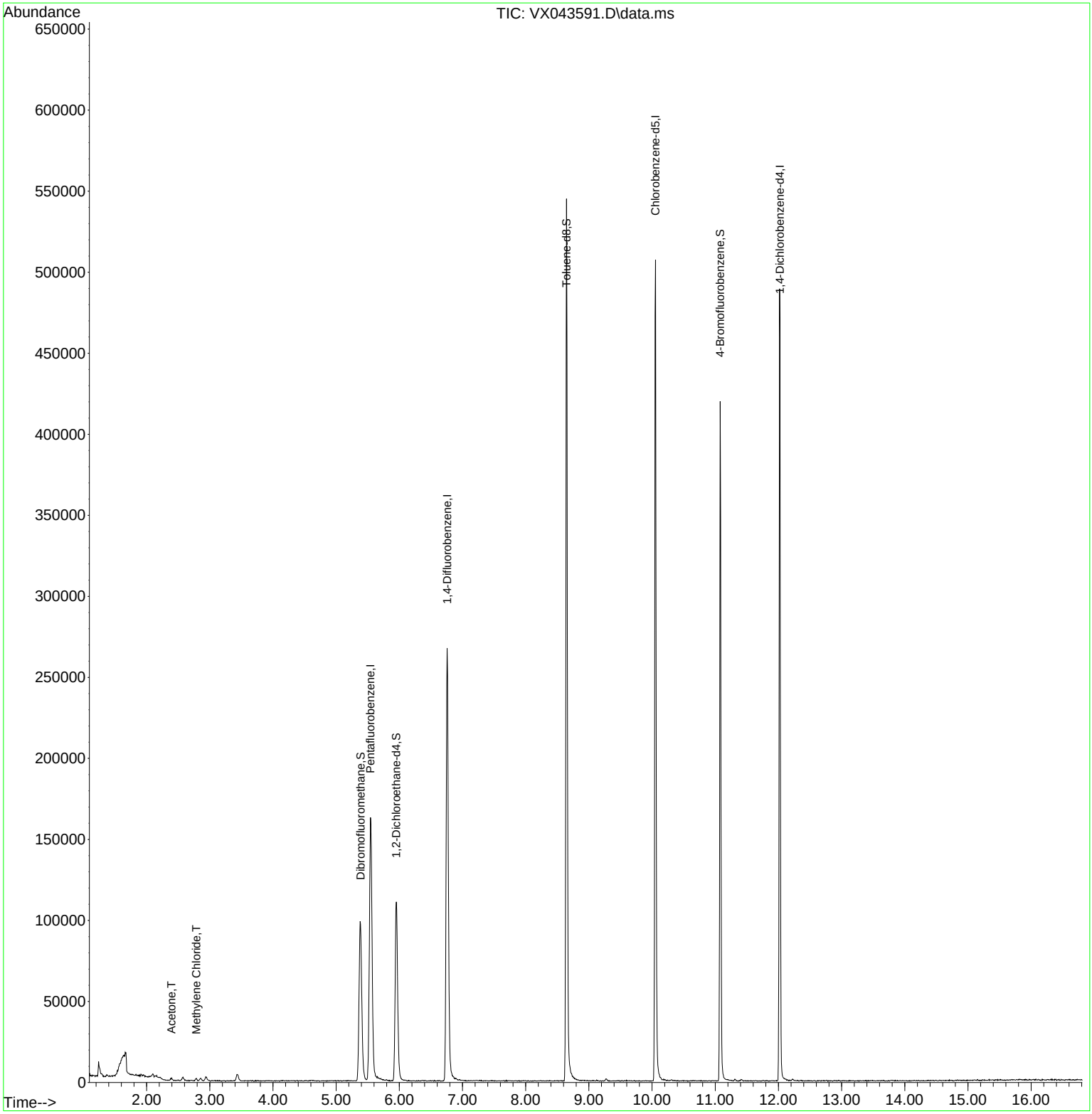
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	156843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	288755	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	251324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110702	44.265	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.520%		
35) Dibromofluoromethane	5.385	113	88640	45.270	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.540%		
50) Toluene-d8	8.647	98	337480	49.790	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.580%		
62) 4-Bromofluorobenzene	11.079	95	114524	45.598	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.200%		
Target Compounds						Qvalue
16) Acetone	2.392	43	1722	1.734	ug/l	95
20) Methylene Chloride	2.788	84	642	0.300	ug/l #	80

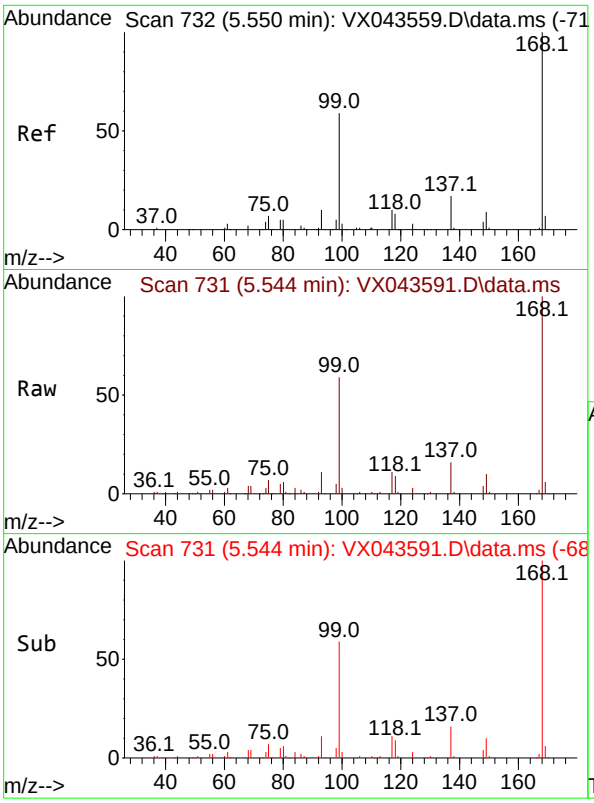
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043591.D
Acq On : 29 Oct 2024 12:56
Operator : JC/MD
Sample : P4578-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

Quant Time: Oct 30 01:30:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



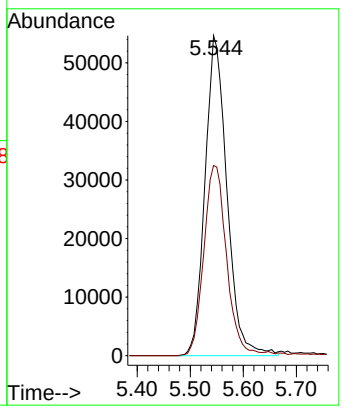


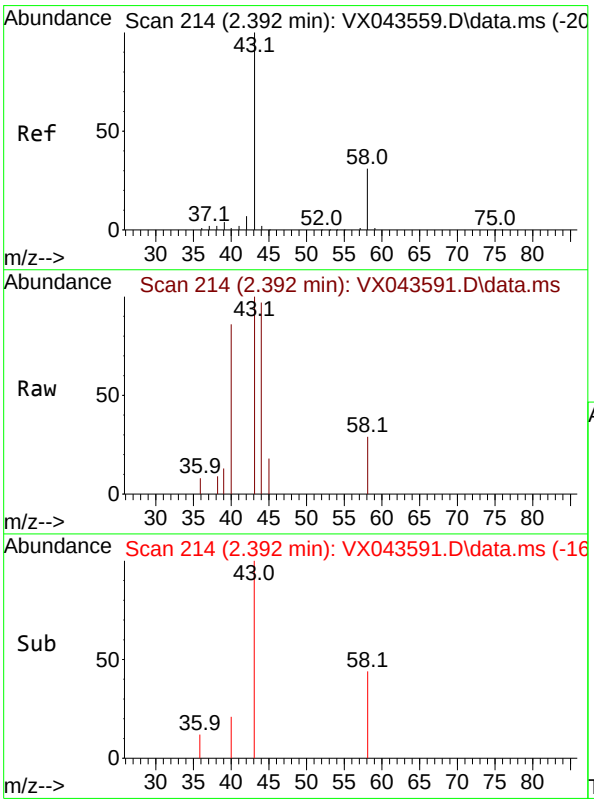
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX043591.D
Acq: 29 Oct 2024 12:56

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

Tgt Ion:168 Resp: 156843

Ion	Ratio	Lower	Upper
168	100		
99	59.5	52.6	78.8

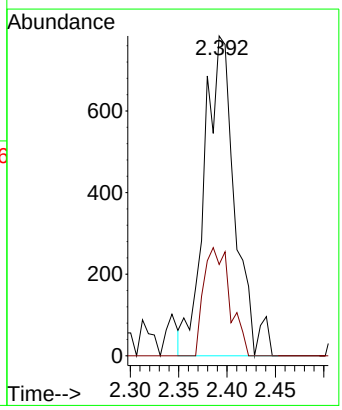


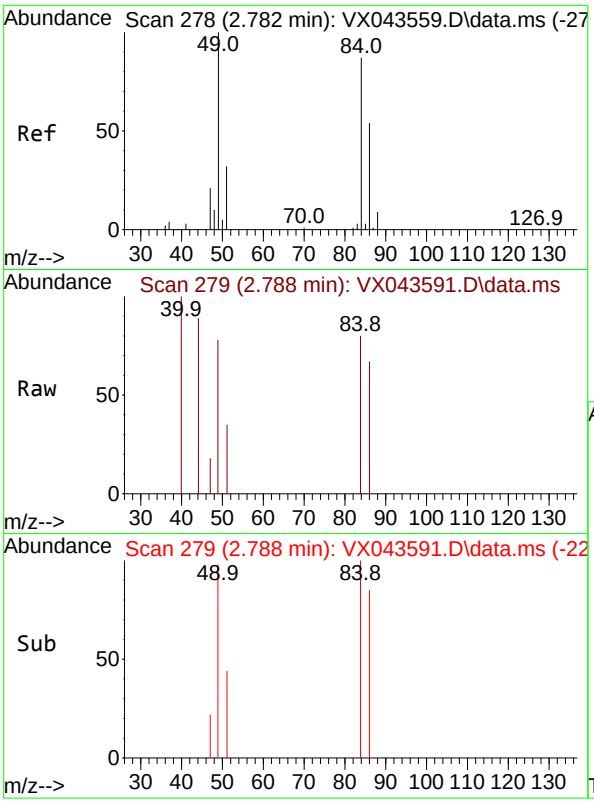


#16
Acetone
Concen: 1.734 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX043591.D
Acq: 29 Oct 2024 12:56

Tgt Ion: 43 Resp: 1722

Ion	Ratio	Lower	Upper
43	100		
58	28.6	25.1	37.7



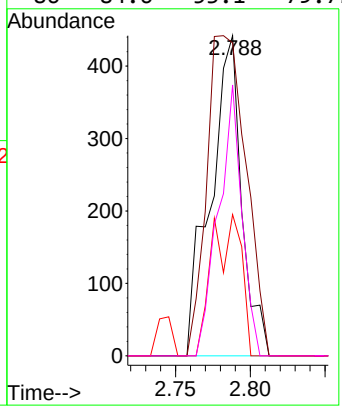


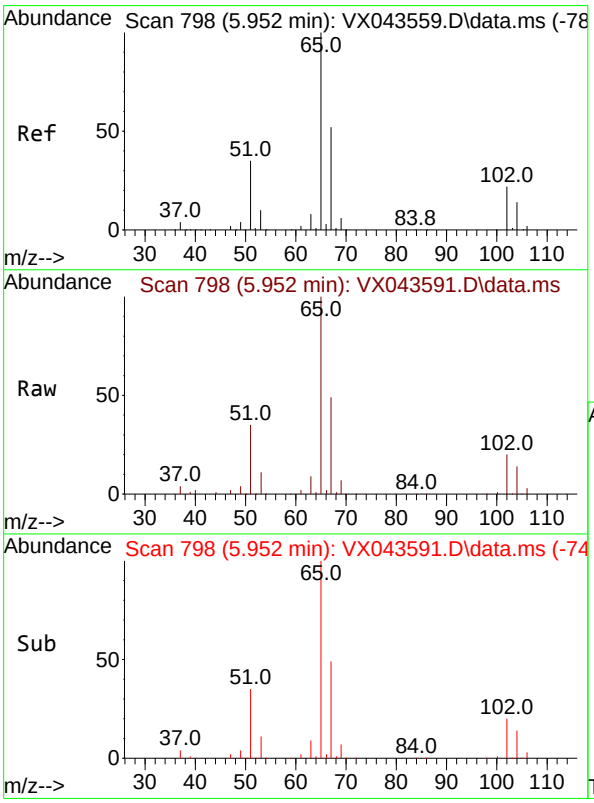
#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 2.788 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX043591.D
Acq: 29 Oct 2024 12:56

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

Tgt Ion: 84 Resp: 642

Ion	Ratio	Lower	Upper
84	100		
49	97.7	97.0	145.6
51	44.1	29.8	44.8
86	84.6	53.1	79.7#

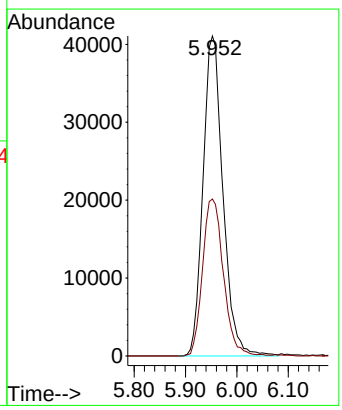


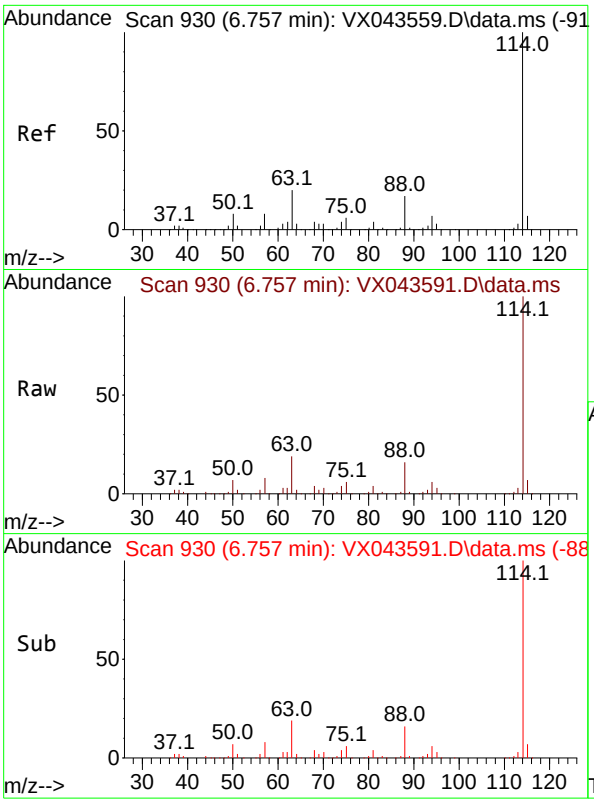


#33
1,2-Dichloroethane-d4
Concen: 44.265 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX043591.D
Acq: 29 Oct 2024 12:56

Tgt Ion: 65 Resp: 110702

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.4



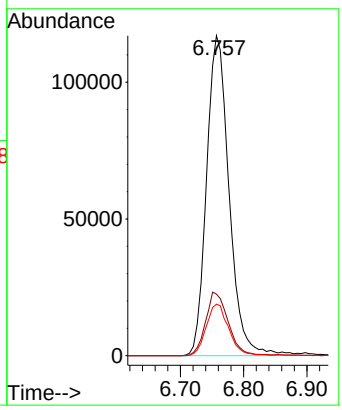


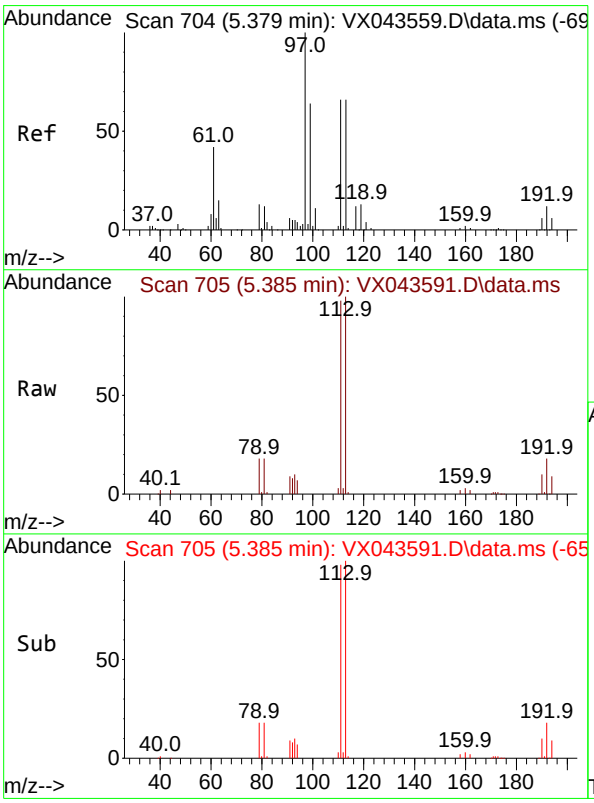
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043591.D
Acq: 29 Oct 2024 12:56

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

Tgt Ion:114 Resp: 288755

Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	41.2
88	16.1	0.0	34.0

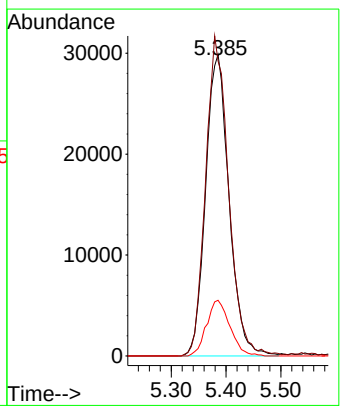


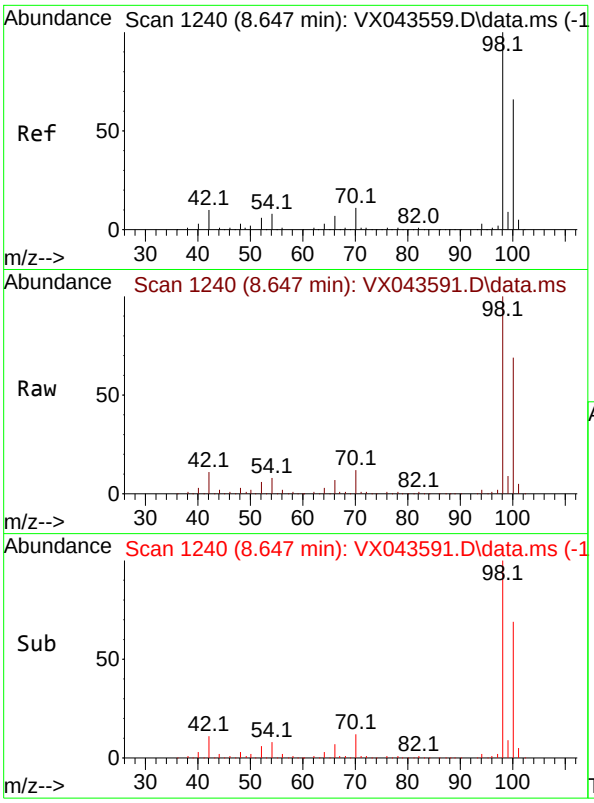


#35
Dibromofluoromethane
Concen: 45.270 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX043591.D
Acq: 29 Oct 2024 12:56

Tgt Ion:113 Resp: 88640

Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.4	122.0
192	18.4	14.1	21.1



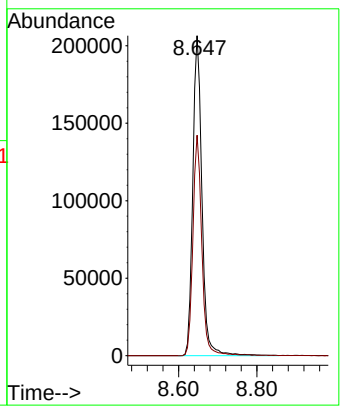


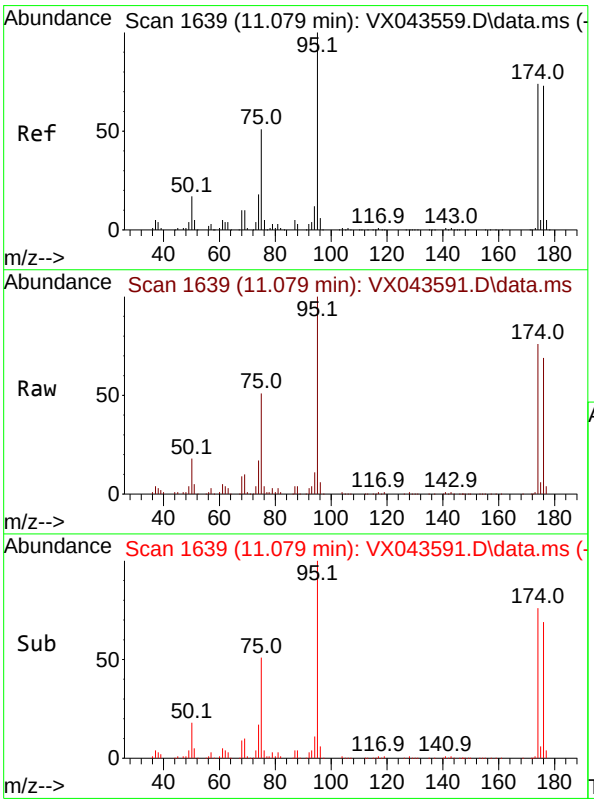
#50
Toluene-d8
Concen: 49.790 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043591.D
Acq: 29 Oct 2024 12:56

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

Tgt Ion: 98 Resp: 337480

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.2

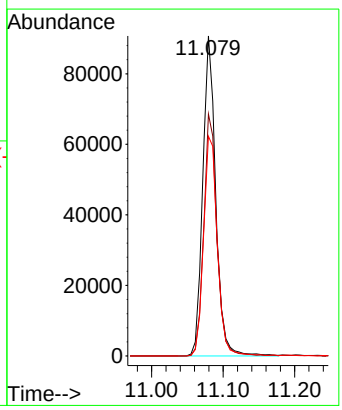


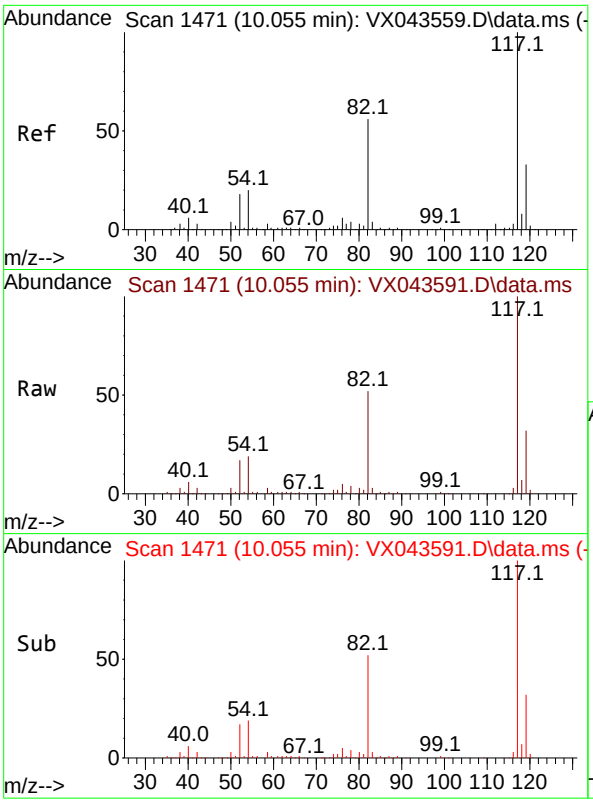


#62
4-Bromofluorobenzene
Concen: 45.598 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043591.D
Acq: 29 Oct 2024 12:56

Tgt Ion: 95 Resp: 114524

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	146.6
176	72.9	0.0	139.6



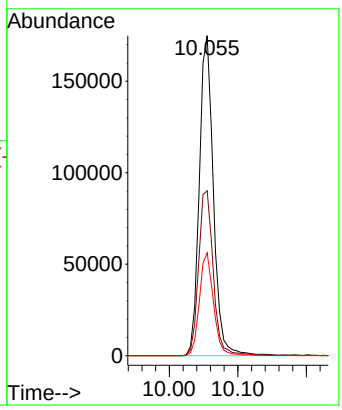


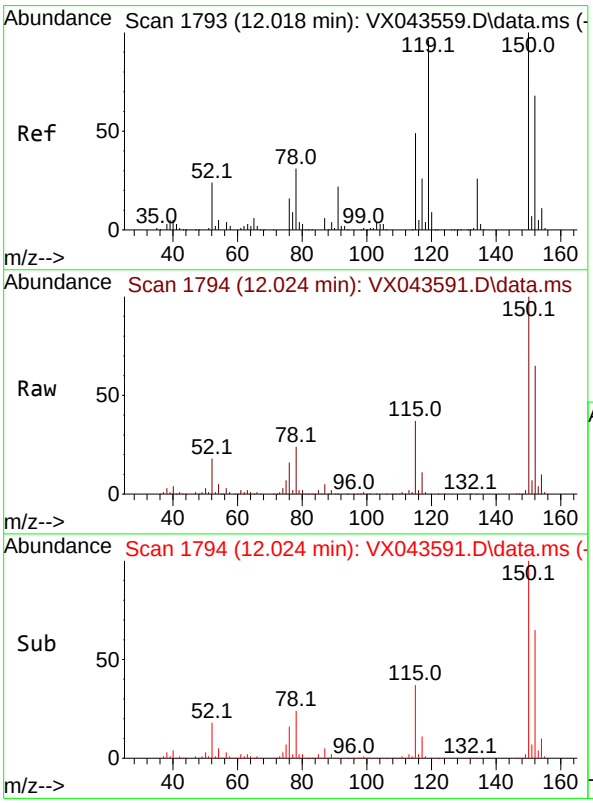
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043591.D
Acq: 29 Oct 2024 12:56

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

Tgt Ion:117 Resp: 251324

Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.1	63.1
119	32.1	25.4	38.2

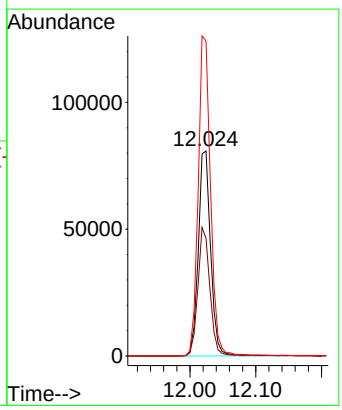




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX043591.D
Acq: 29 Oct 2024 12:56

Tgt Ion:152 Resp: 105429

Ion	Ratio	Lower	Upper
152	100		
115	60.7	42.9	128.7
150	155.8	0.0	343.6



Sample Results: **VX043591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043591.D
Acq On : 29 Oct 2024 12:56
Operator : JC/MD
Sample : P4578-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043591.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	rBV2	8981	14858	1.69%	0.328%
2	1.581	75	81	82	rBV6	4837	9314	1.06%	0.205%
3	3.428	379	384	395	rVB6	4012	10381	1.18%	0.229%
4	5.379	694	704	720	rBV2	98472	293220	33.40%	6.466%
5	5.544	720	731	747	rBV2	161833	468837	53.40%	10.338%
6	5.952	787	798	817	rBV	110447	301734	34.37%	6.653%
7	6.757	920	930	945	rBV2	267124	654792	74.58%	14.439%
8	8.647	1234	1240	1255	rBV	544379	877931	100.00%	19.359%
9	10.055	1465	1471	1488	rBV	506637	738578	84.13%	16.286%
10	11.079	1634	1639	1655	rBV	419365	537207	61.19%	11.846%
11	12.018	1788	1793	1805	rBV	488600	628132	71.55%	13.851%

Sum of corrected areas: 4534984

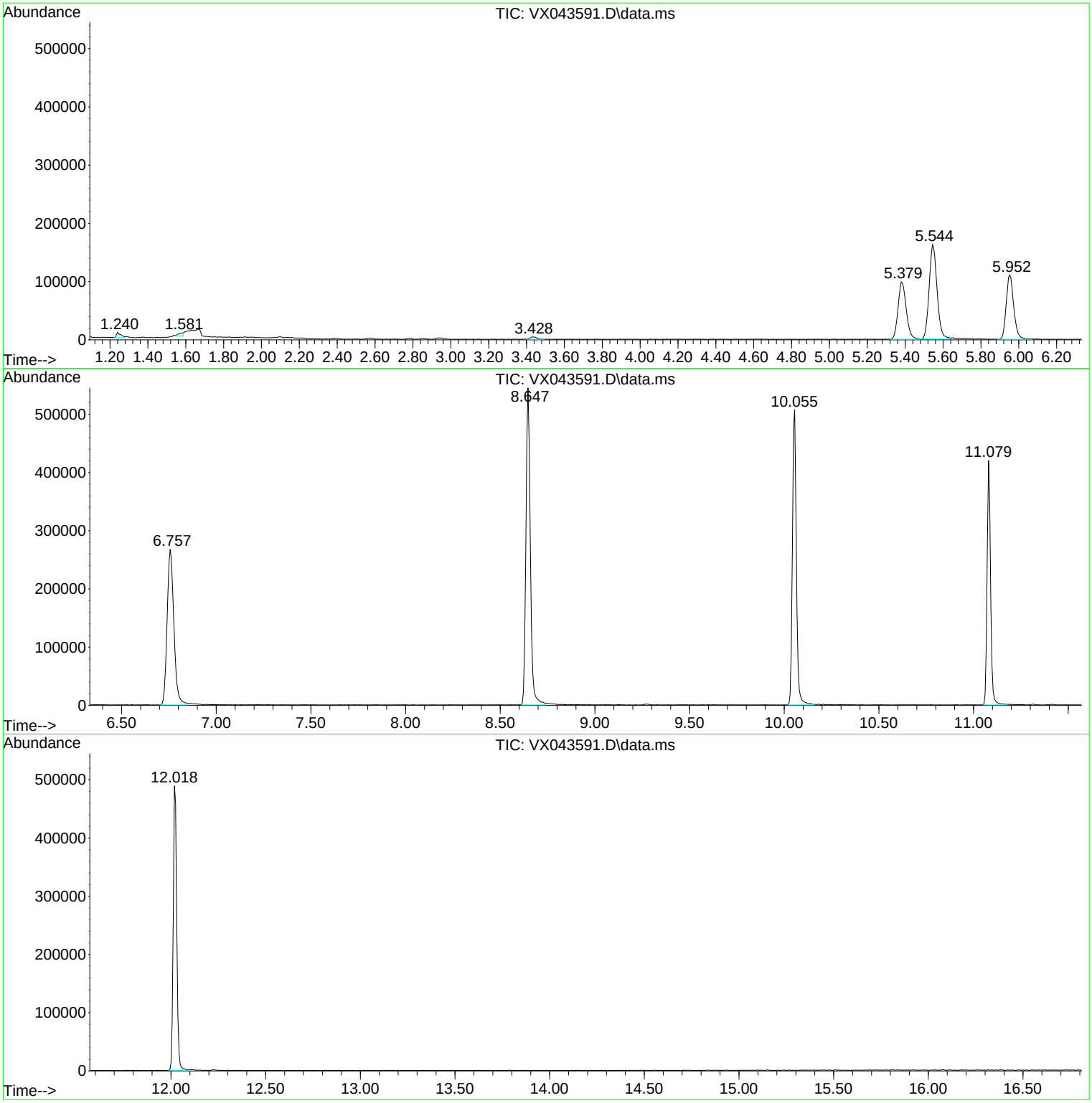
Sample Results: **VX043591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043591.D
Acq On : 29 Oct 2024 12:56
Operator : JC/MD
Sample : P4578-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VX043591.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043591.D
Acq On : 29 Oct 2024 12:56
Operator : JC/MD
Sample : P4578-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043591.D
Acq On : 29 Oct 2024 12:56
Operator : JC/MD
Sample : P4578-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB-10252024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Time: Oct 30 01:26:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	160199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	295395	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	265502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	128354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110928	43.426	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.860%			
35) Dibromofluoromethane	5.379	113	91054	45.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.920%			
50) Toluene-d8	8.647	98	350111	50.493	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	129946	50.575	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.160%			

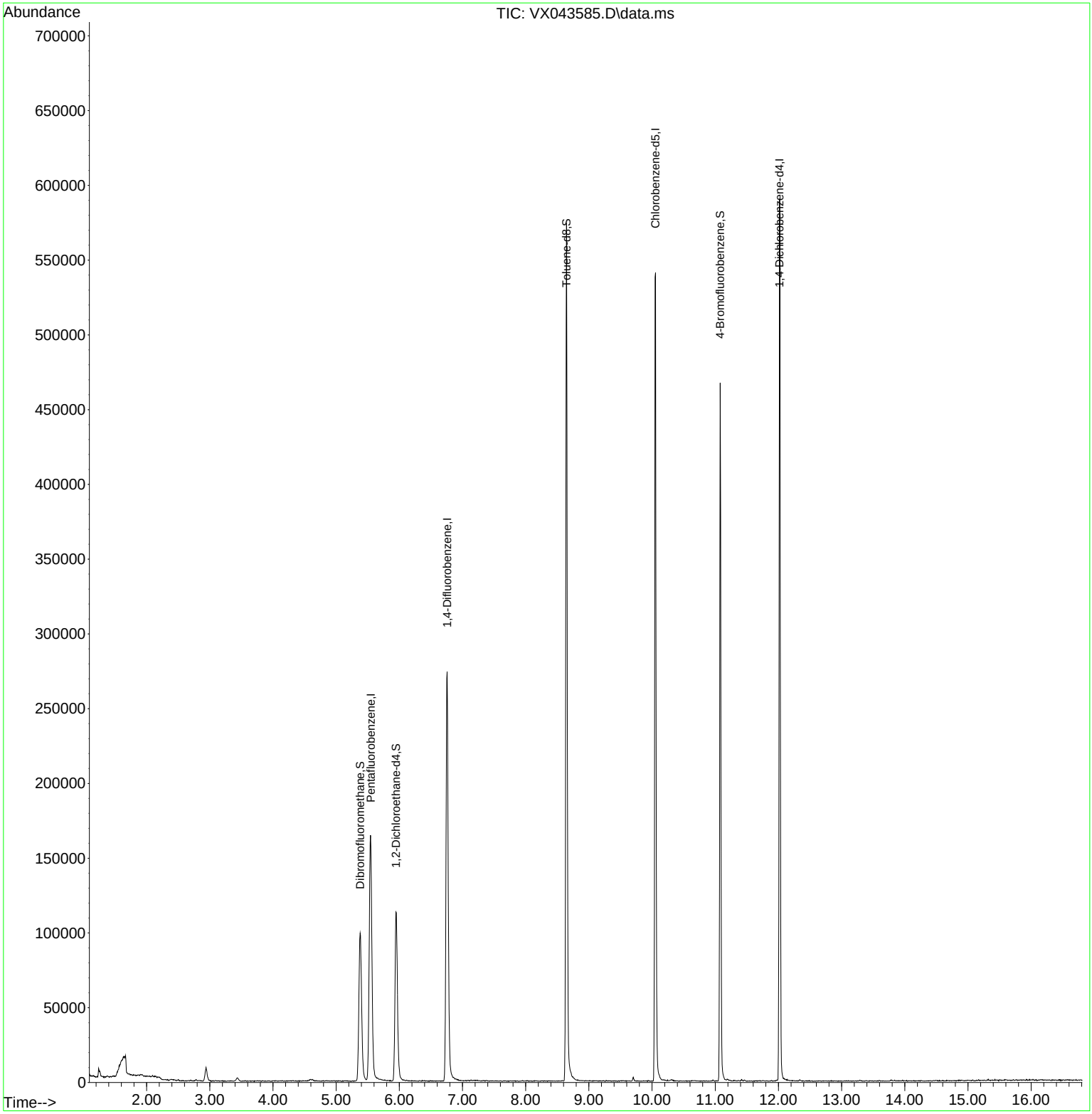
Target Compounds Qvalue

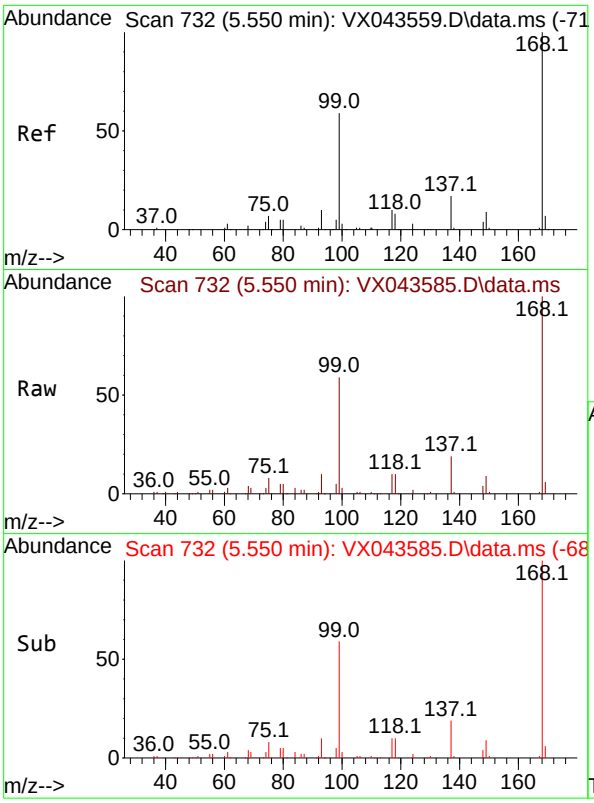
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Time: Oct 30 01:26:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration



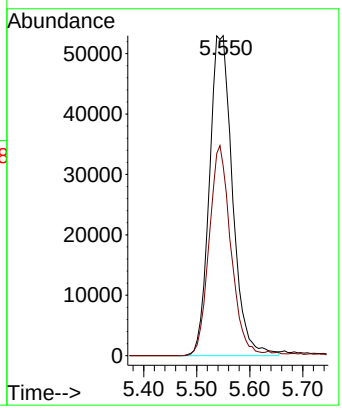


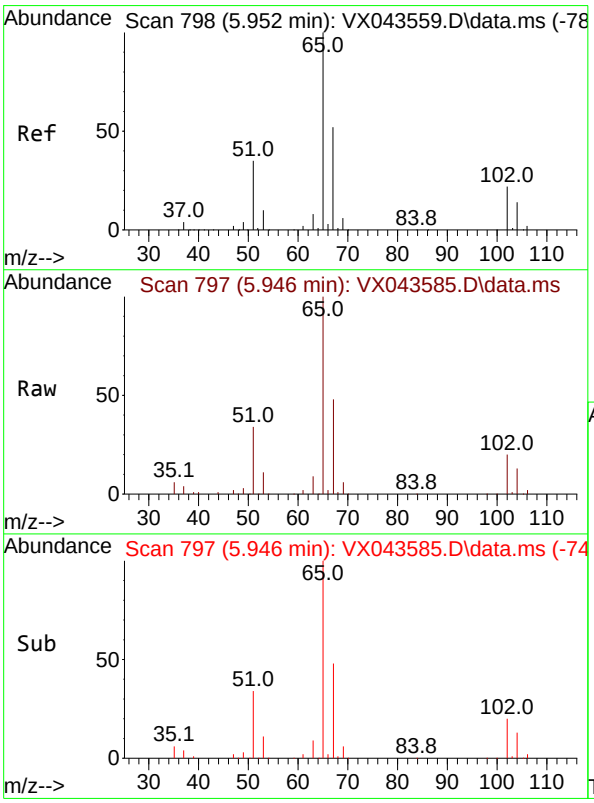
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion:168 Resp: 160199

Ion	Ratio	Lower	Upper
168	100		
99	59.3	52.6	78.8

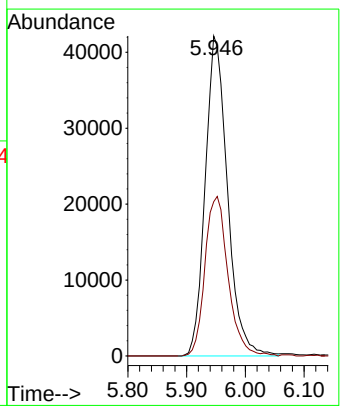


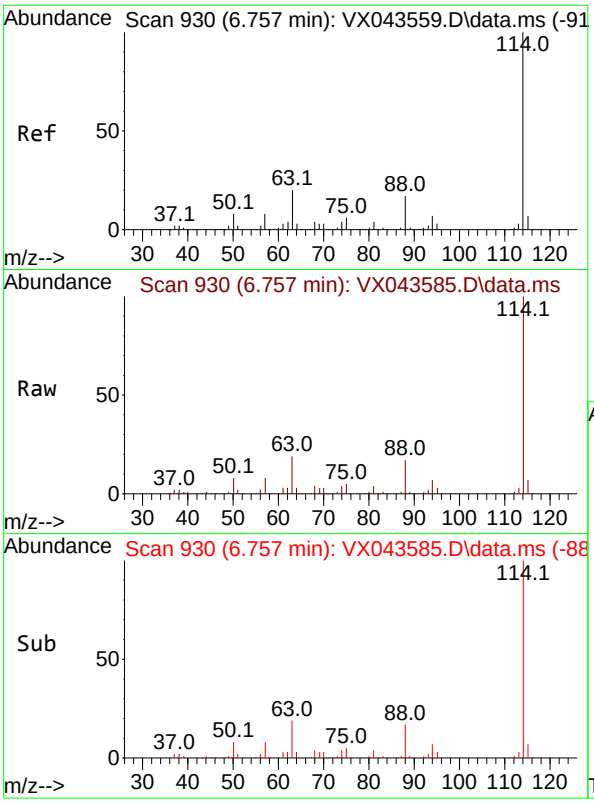


#33
1,2-Dichloroethane-d4
Concen: 43.426 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.006 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion: 65 Resp: 110928

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



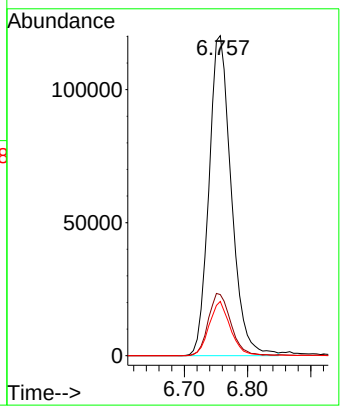


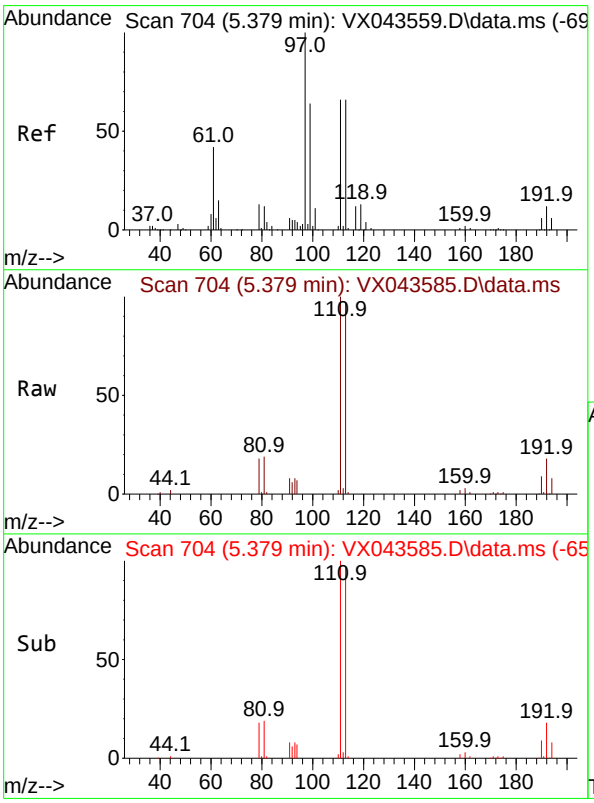
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion:114 Resp: 295395

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	41.2
88	17.0	0.0	34.0

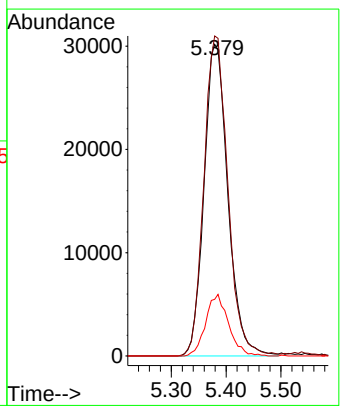


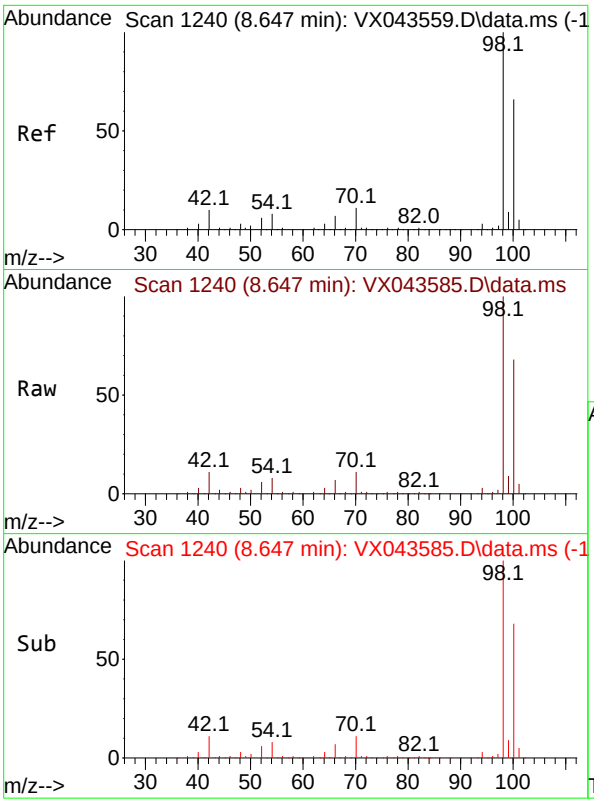


#35
Dibromofluoromethane
Concen: 45.457 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion:113 Resp: 91054

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	19.0	14.1	21.1



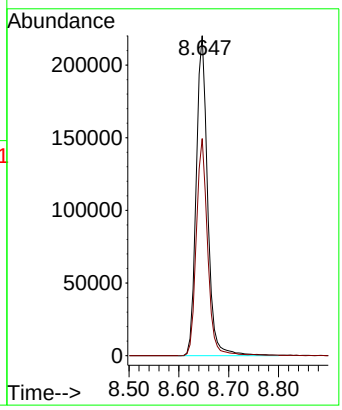


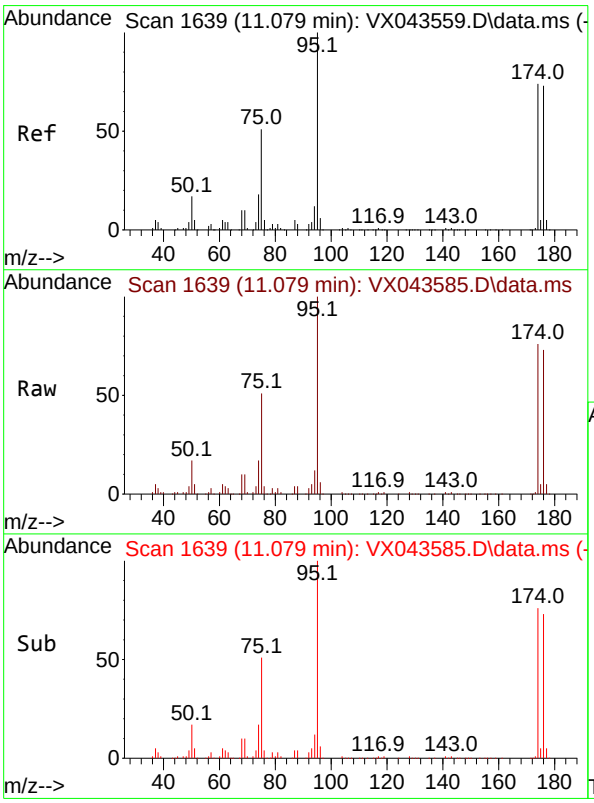
#50
Toluene-d8
Concen: 50.493 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion: 98 Resp: 350111

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.2

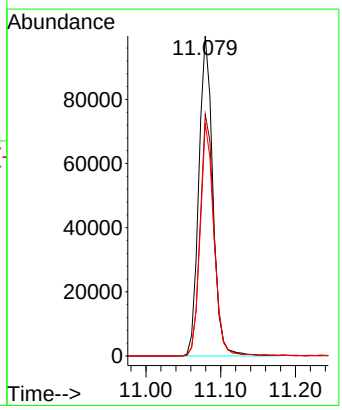


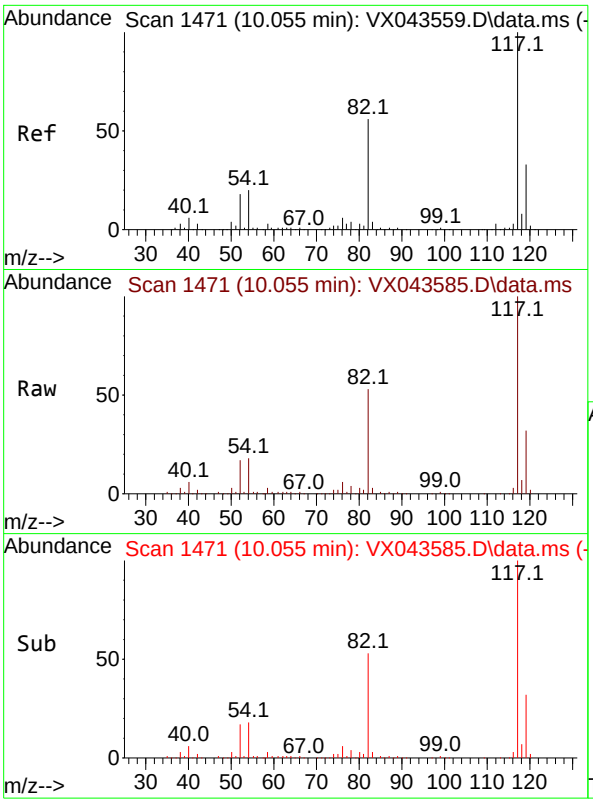


#62
4-Bromofluorobenzene
Concen: 50.575 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion: 95 Resp: 129946

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	146.6
176	71.3	0.0	139.6



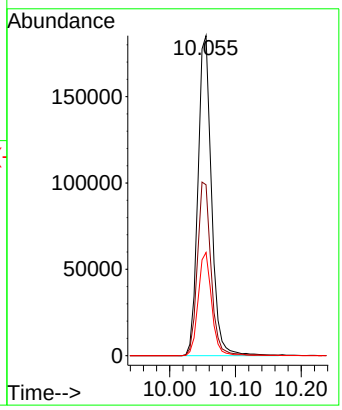


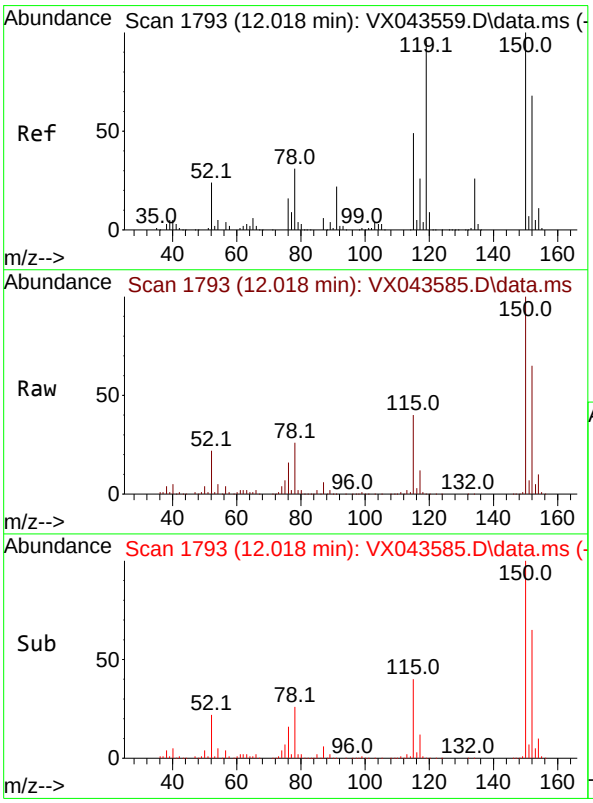
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Tgt Ion:117 Resp: 265502

Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.1	63.1
119	32.3	25.4	38.2

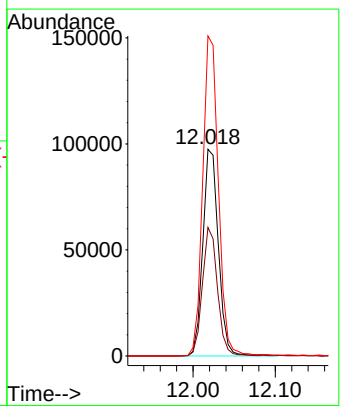




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX043585.D
Acq: 29 Oct 2024 10:31

Tgt Ion:152 Resp: 128354

Ion	Ratio	Lower	Upper
152	100		
115	60.1	42.9	128.7
150	156.4	0.0	343.6



Sample Results: **VX043585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

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\82X102824W.M
Title : SW846 8260

Signal : TIC: VX043585.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	33	rBV2	5820	10354	1.13%	0.210%
2	1.636	69	90	91	rBV2	13385	60832	6.63%	1.236%
3	2.941	296	304	311	rBV	9049	21276	2.32%	0.432%
4	5.379	692	704	720	rBV3	98873	298272	32.51%	6.061%
5	5.544	720	731	748	rBV2	163521	477089	52.00%	9.695%
6	5.946	787	797	815	rBV	113015	307419	33.51%	6.247%
7	6.757	921	930	945	rBV	273644	673105	73.37%	13.678%
8	8.647	1233	1240	1255	rBV	573649	917416	100.00%	18.643%
9	10.055	1465	1471	1487	rBV	540530	792585	86.39%	16.106%
10	11.079	1634	1639	1654	rBV	466858	602291	65.65%	12.239%
11	12.018	1788	1793	1803	rBV	589573	760401	82.89%	15.452%

Sum of corrected areas: 4921040

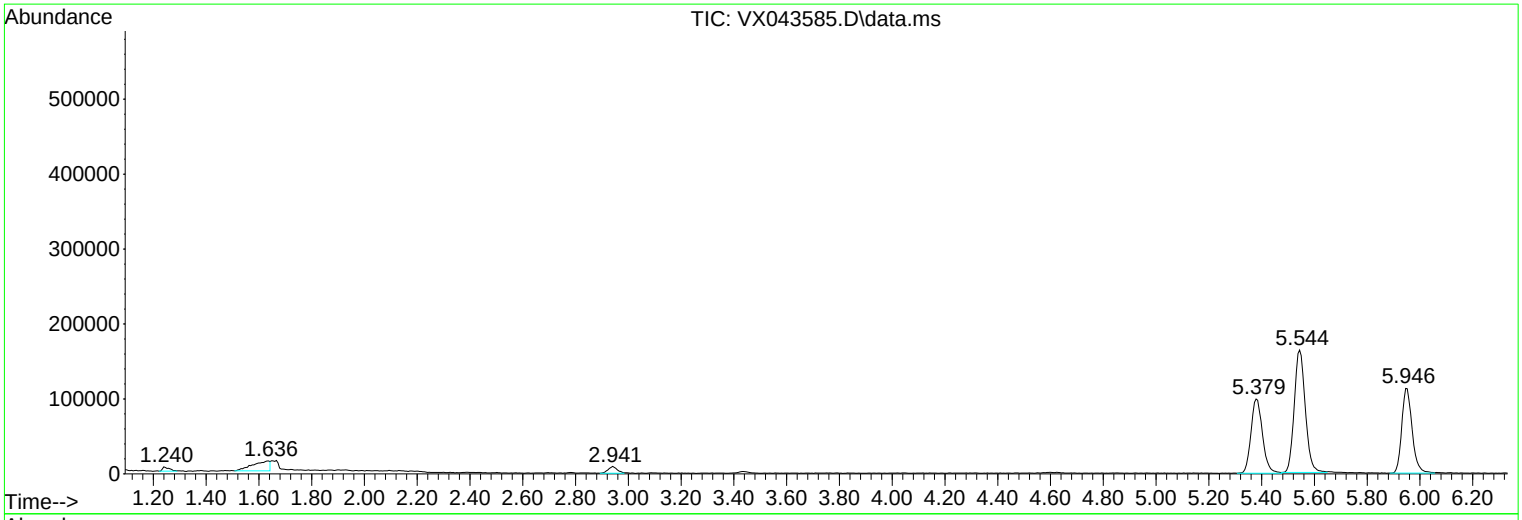
Sample Results: **VX043585.D**

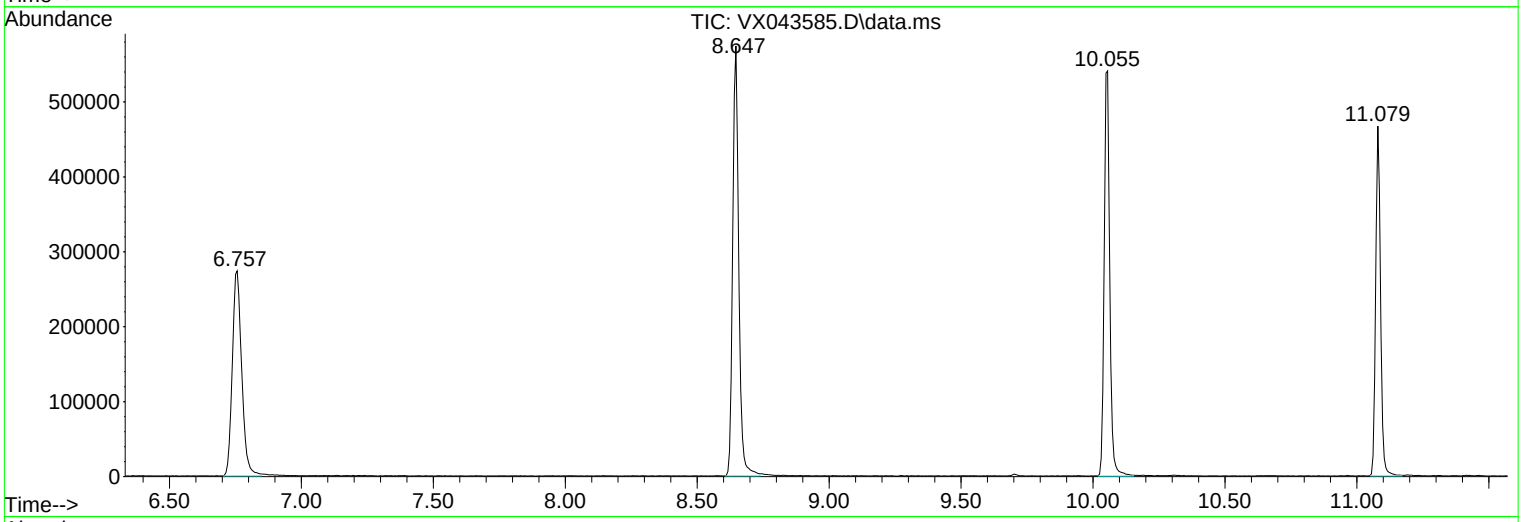
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

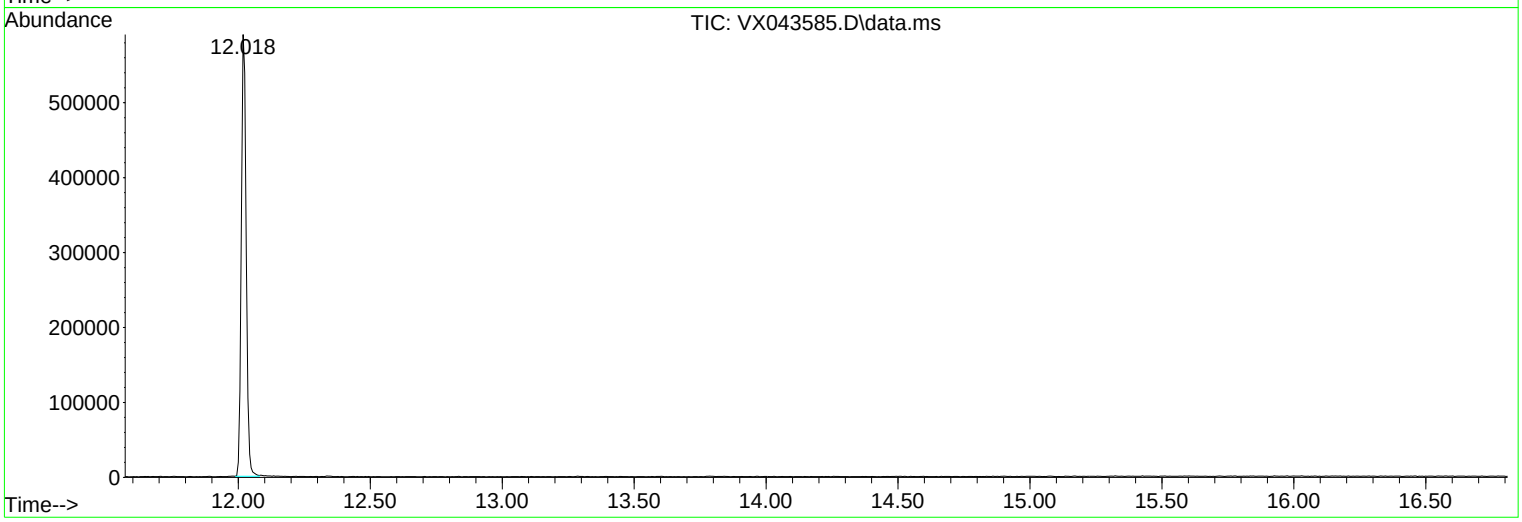
Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VX043585.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043585.D
Acq On : 29 Oct 2024 10:31
Operator : JC/MD
Sample : VX1029WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020030.D
Acq On : 28 Oct 2024 09:58
Operator : SY/MD
Sample : VY1028SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

Quant Time: Oct 29 01:53:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

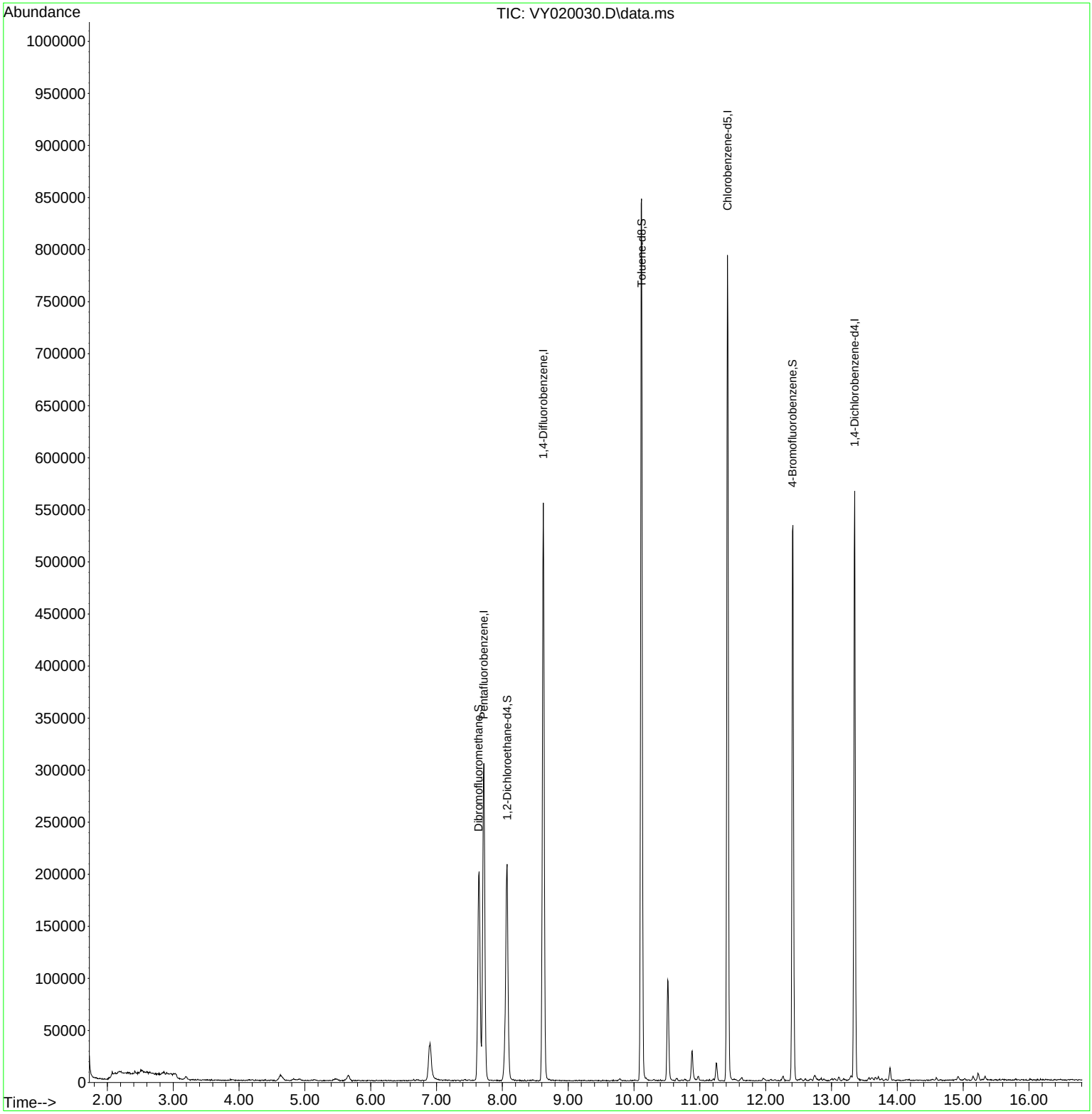
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	207569	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.621	114	438255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	384846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	125121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	145762	57.032	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.060%			
35) Dibromofluoromethane	7.640	113	143476	49.611	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.220%			
50) Toluene-d8	10.115	98	534715	50.068	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.140%			
62) 4-Bromofluorobenzene	12.407	95	152249	39.454	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 78.900%			
Target Compounds						Qvalue

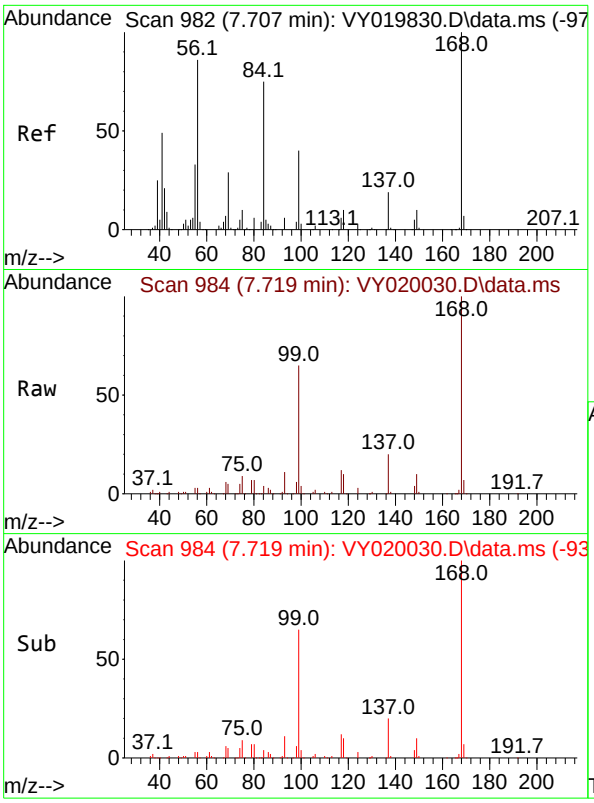
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020030.D
Acq On : 28 Oct 2024 09:58
Operator : SY/MD
Sample : VY1028SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

Quant Time: Oct 29 01:53:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



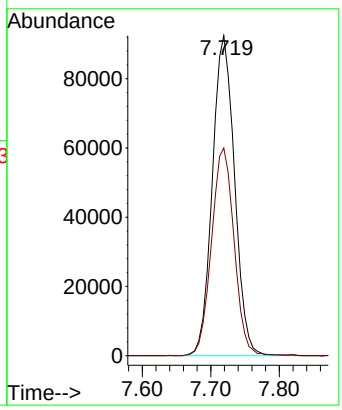


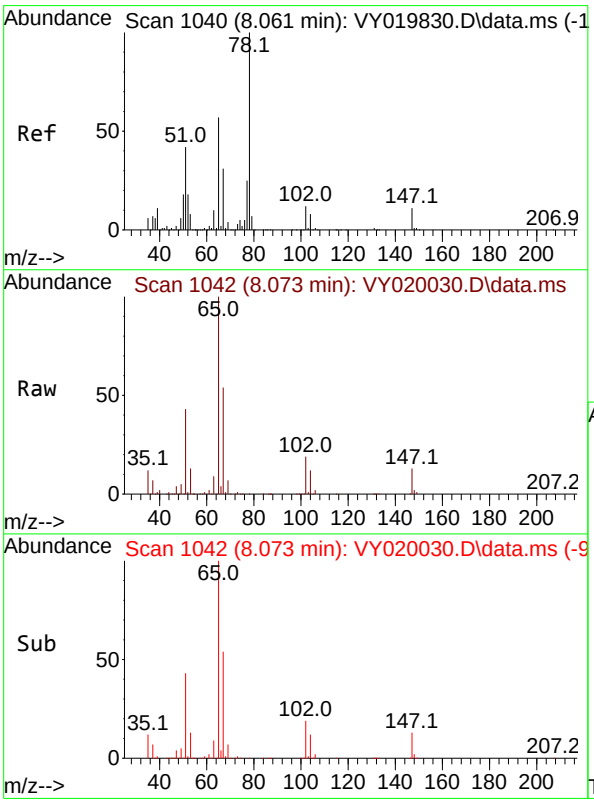
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 9
Delta R.T. 0.012 min
Lab File: VY020030.D
Acq: 28 Oct 2024 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

Tgt Ion:168 Resp: 207569

Ion	Ratio	Lower	Upper
168	100		
99	64.9	39.1	58.7#

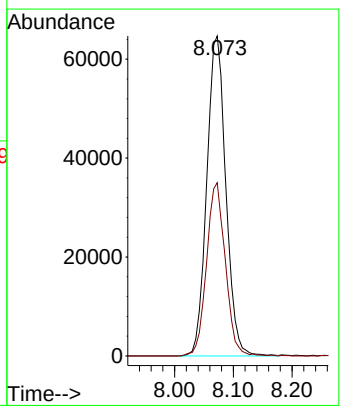


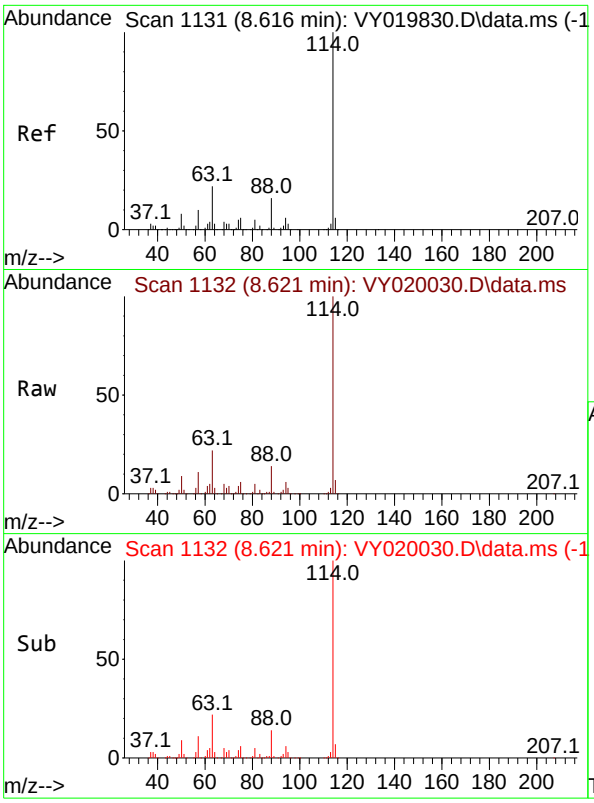


#33
1,2-Dichloroethane-d4
Concen: 57.032 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY020030.D
Acq: 28 Oct 2024 09:58

Tgt Ion: 65 Resp: 145762

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	109.6



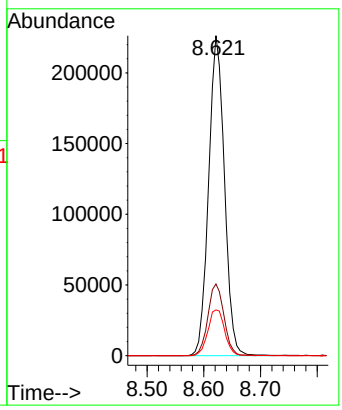


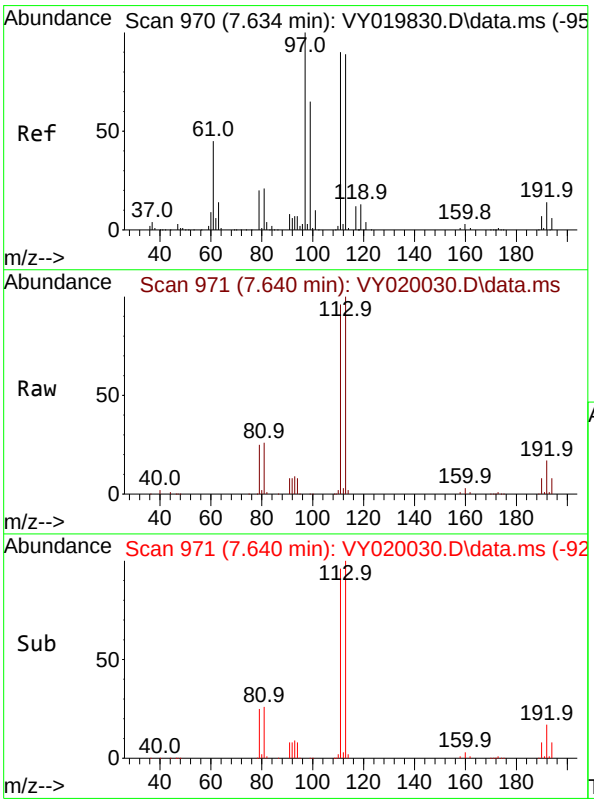
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.621 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020030.D
Acq: 28 Oct 2024 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

Tgt Ion:114 Resp: 438255

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	35.0
88	14.3	0.0	27.2

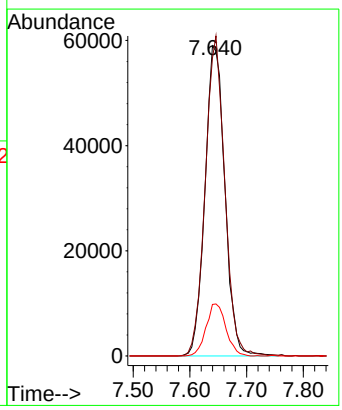


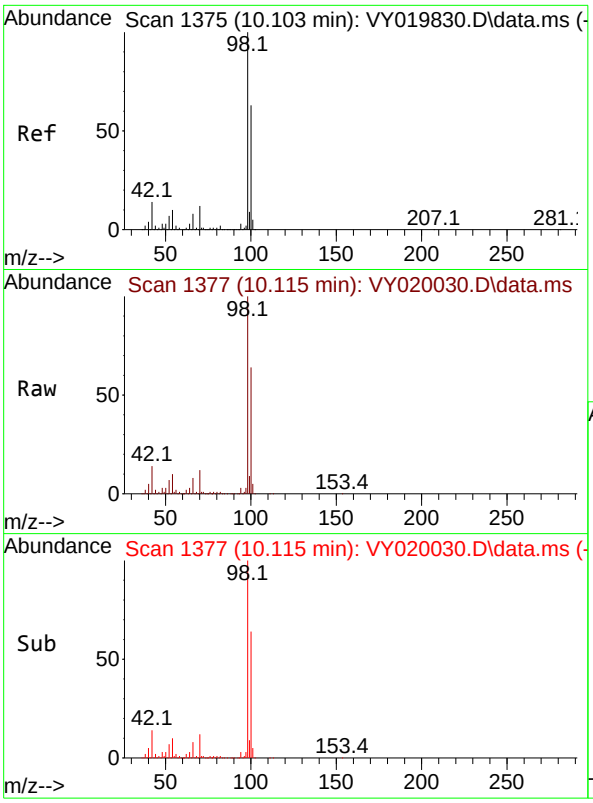


#35
Dibromofluoromethane
Concen: 49.611 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020030.D
Acq: 28 Oct 2024 09:58

Tgt Ion:113 Resp: 143476

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	16.8	15.9	23.9



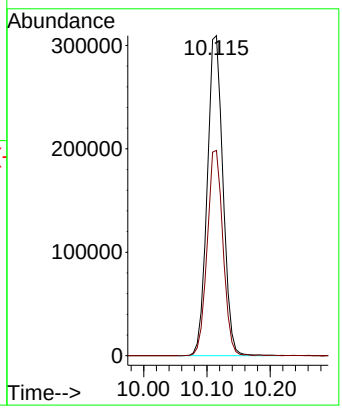


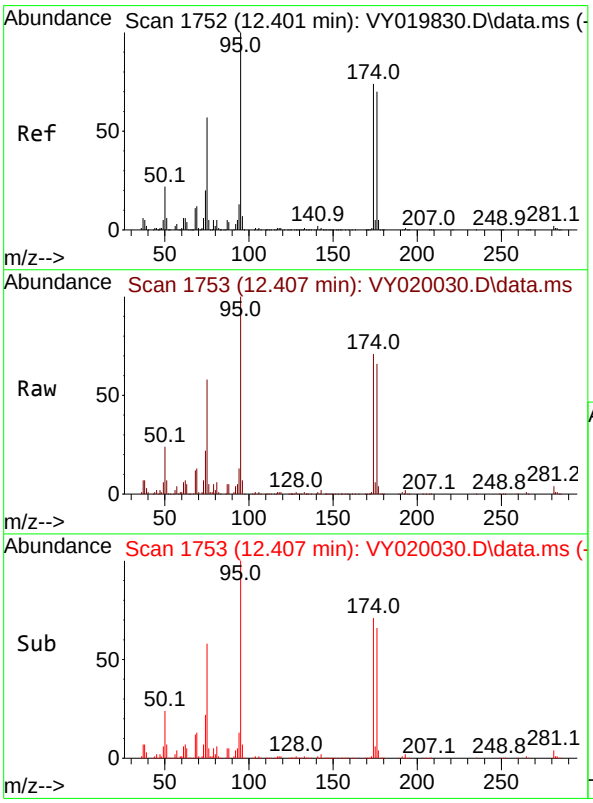
#50
Toluene-d8
Concen: 50.068 ug/l
RT: 10.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY020030.D
Acq: 28 Oct 2024 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

Tgt Ion: 98 Resp: 534715

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

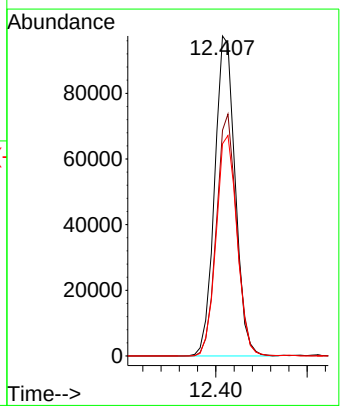


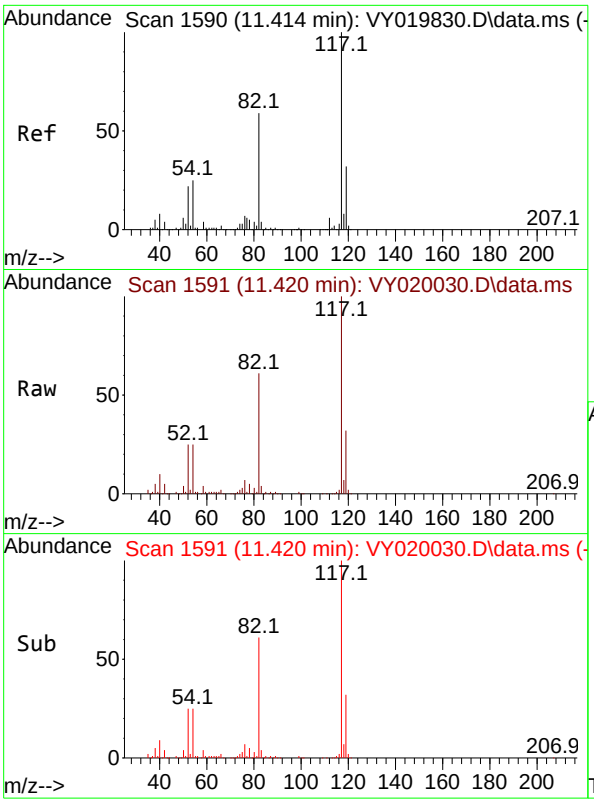


#62
4-Bromofluorobenzene
Concen: 39.454 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY020030.D
Acq: 28 Oct 2024 09:58

Tgt Ion: 95 Resp: 152249

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	175.6
176	70.1	0.0	171.4



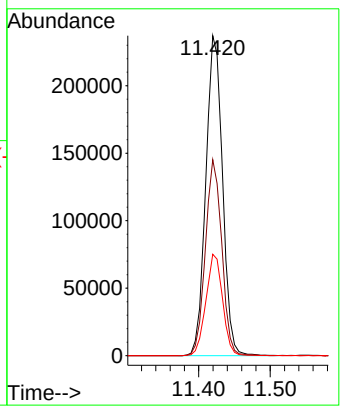


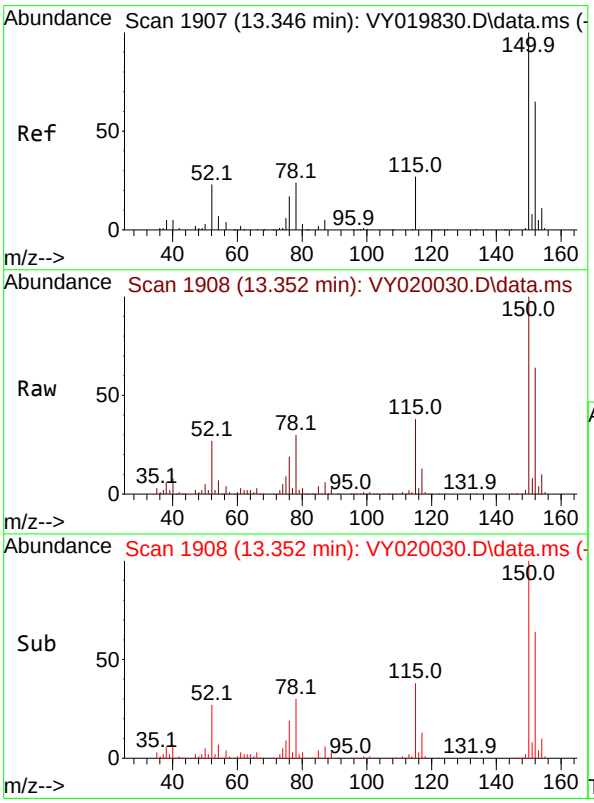
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY020030.D
Acq: 28 Oct 2024 09:58

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

Tgt Ion:117 Resp: 384846

Ion	Ratio	Lower	Upper
117	100		
82	61.3	42.4	63.6
119	31.7	25.9	38.9

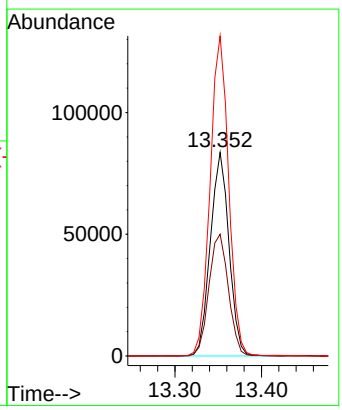




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020030.D
Acq: 28 Oct 2024 09:58

Tgt Ion:152 Resp: 125121

Ion	Ratio	Lower	Upper
152	100		
115	62.6	28.2	84.7
150	156.2	0.0	345.6



Sample Results: **VY020030.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020030.D
Acq On : 28 Oct 2024 09:58
Operator : SY/MD
Sample : VY1028SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY020030.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.902	839	850	864	rBV2	35515	113675	7.68%	1.472%
2	7.646	959	972	978	rBV	200596	491847	33.22%	6.368%
3	7.719	978	984	997	rVB	304675	685821	46.32%	8.880%
4	8.073	1027	1042	1056	rBV2	208197	538994	36.41%	6.979%
5	8.621	1124	1132	1146	rBV	554936	1087273	73.44%	14.078%
6	10.115	1369	1377	1387	rBV	846519	1480520	100.00%	19.169%
7	10.511	1436	1442	1452	rBV	96019	178229	12.04%	2.308%
8	10.883	1497	1503	1512	rBV2	28409	53862	3.64%	0.697%
9	11.249	1558	1563	1571	rVB2	16990	30086	2.03%	0.390%
10	11.420	1584	1591	1604	rBV	793153	1290157	87.14%	16.704%
11	12.413	1744	1754	1763	rBV2	533471	894783	60.44%	11.585%
12	13.352	1901	1908	1917	rVB	564852	859816	58.08%	11.133%
13	13.889	1990	1996	2001	rVB	12041	18393	1.24%	0.238%

Sum of corrected areas: 7723456

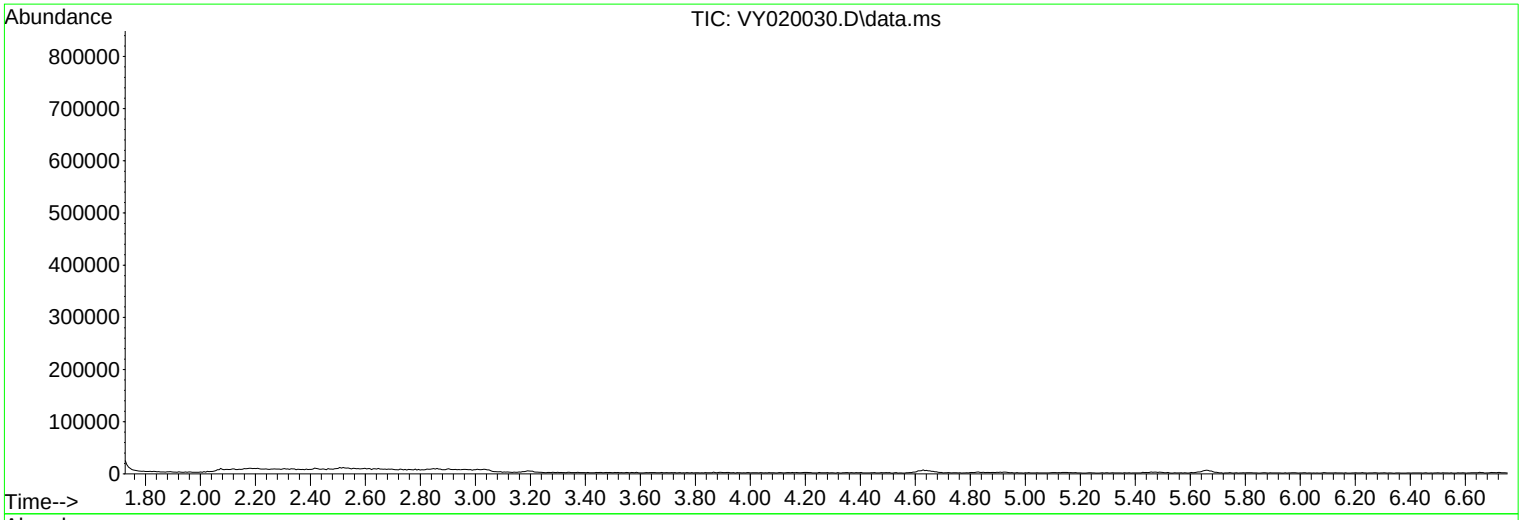
Sample Results: **VY020030.D**

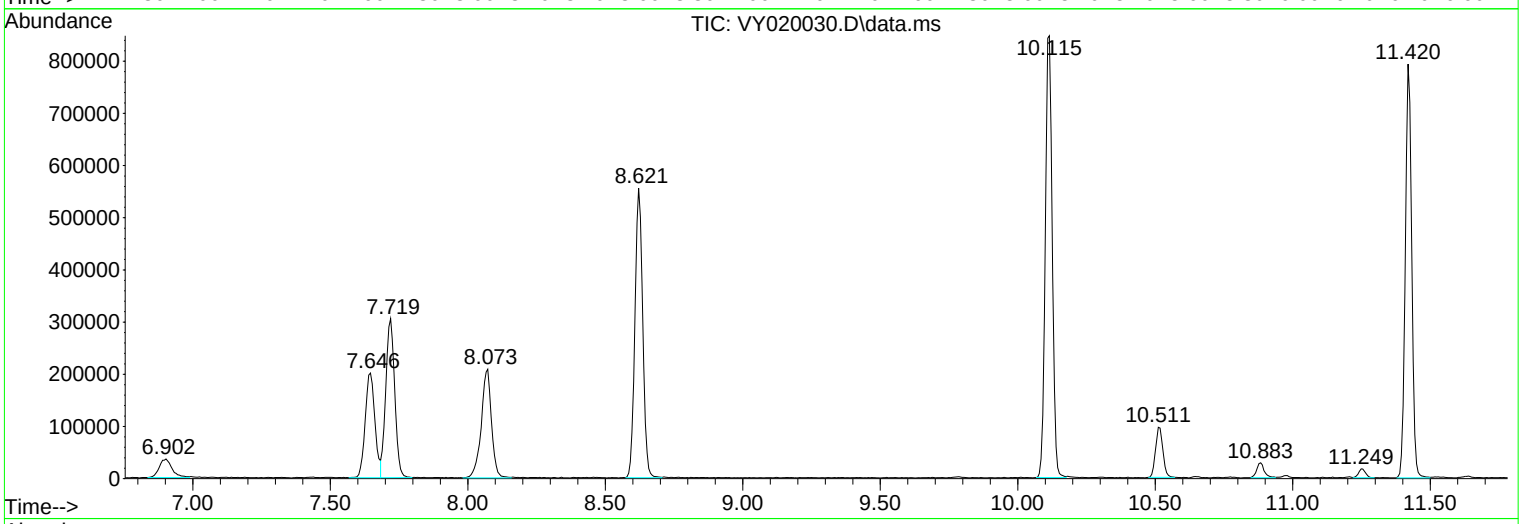
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020030.D
Acq On : 28 Oct 2024 09:58
Operator : SY/MD
Sample : VY1028SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

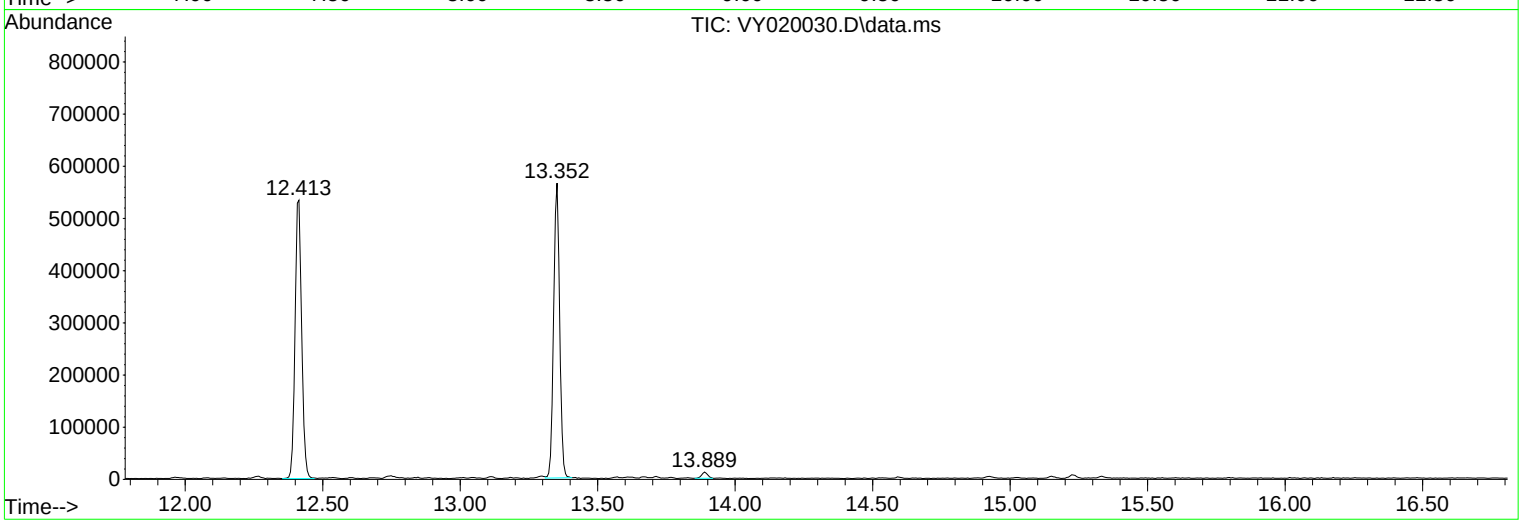
Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY020030.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020030.D
Acq On : 28 Oct 2024 09:58
Operator : SY/MD
Sample : VY1028SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020030.D
Acq On : 28 Oct 2024 09:58
Operator : SY/MD
Sample : VY1028SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Quant Time: Oct 30 01:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

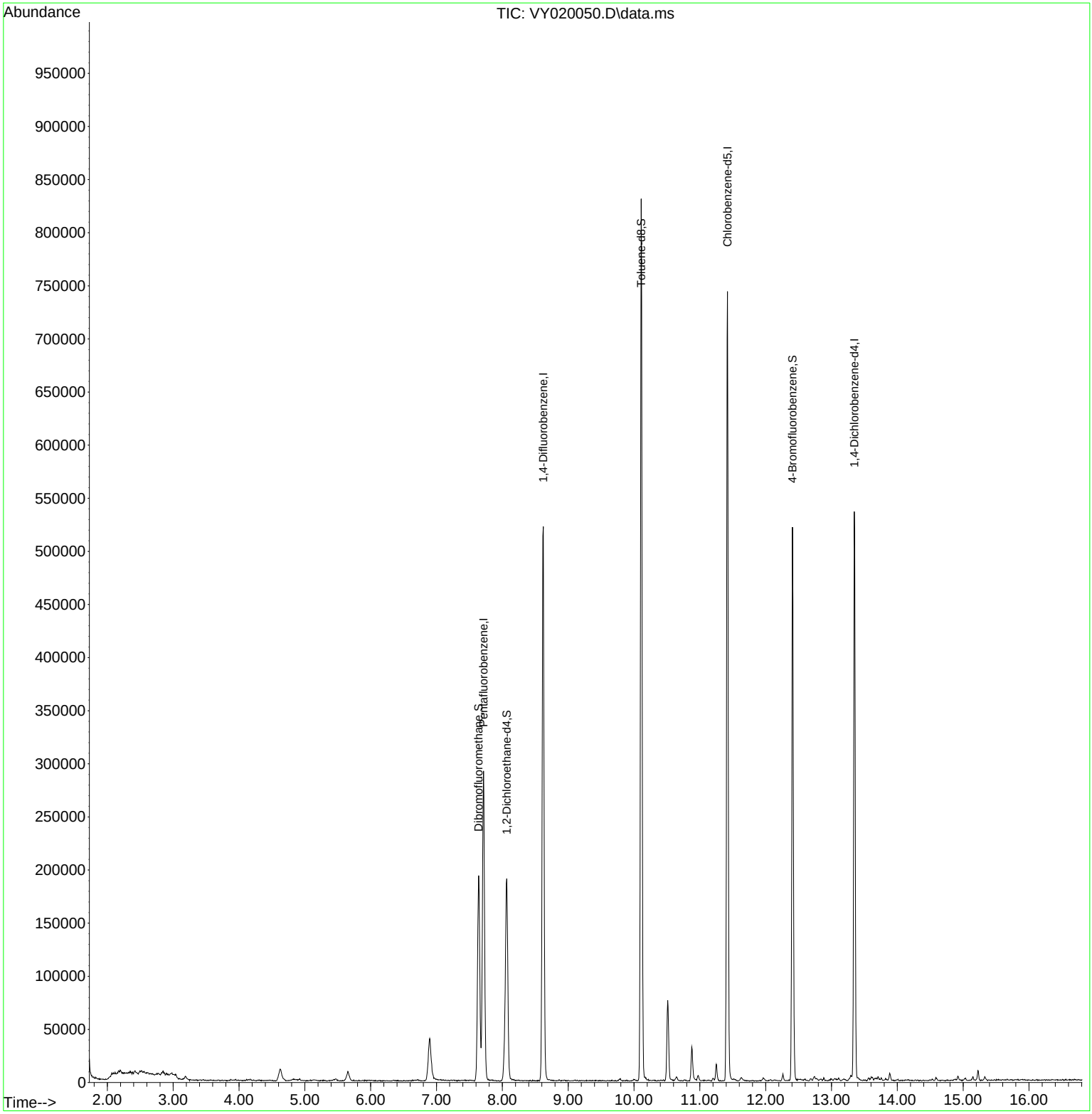
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	196117	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	412090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	365725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	118867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	133469	55.272	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.540%			
35) Dibromofluoromethane	7.640	113	134846	49.588	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.180%			
50) Toluene-d8	10.109	98	508625	50.649	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.300%			
62) 4-Bromofluorobenzene	12.407	95	143274	39.485	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 78.980%			
Target Compounds						Qvalue

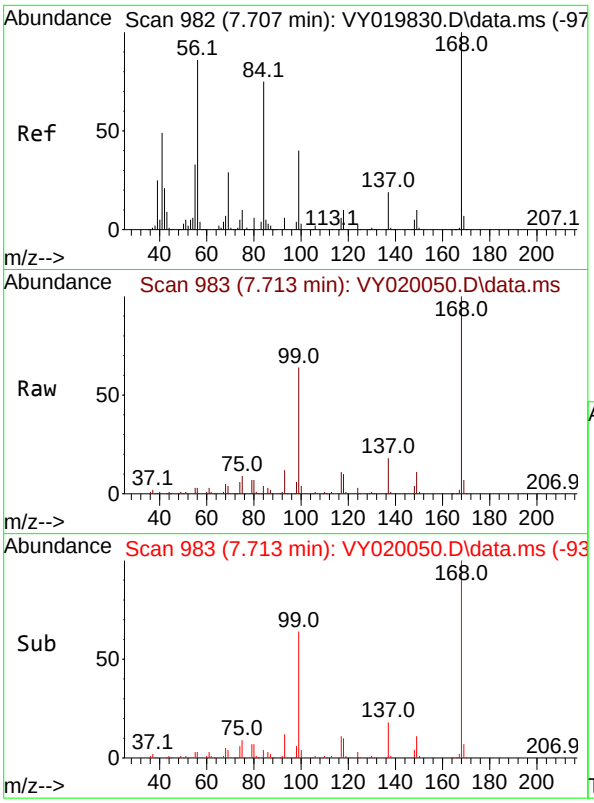
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Quant Time: Oct 30 01:19:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



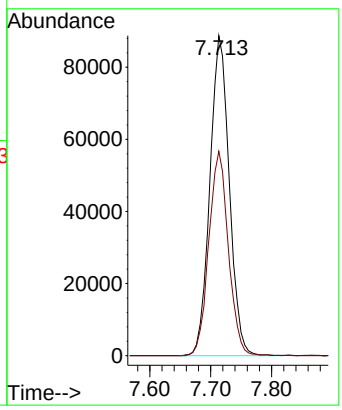


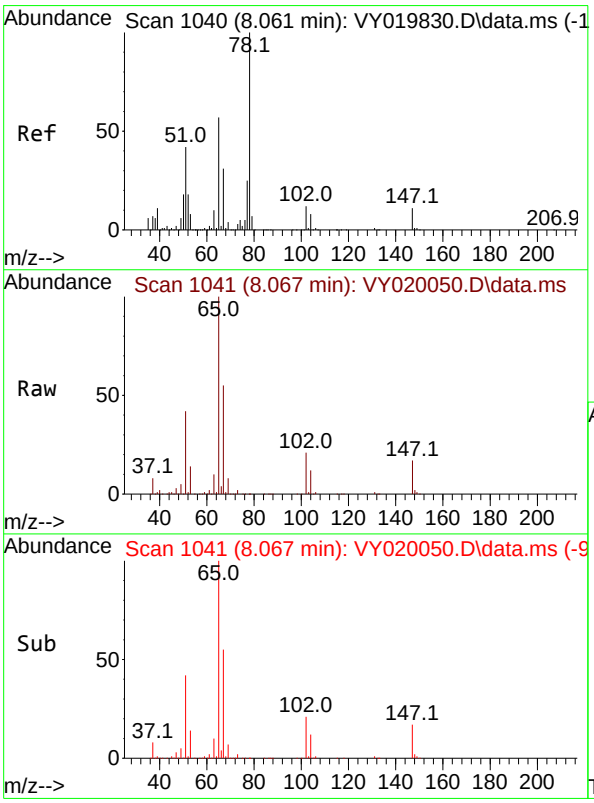
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Tgt Ion:168 Resp: 196117

Ion	Ratio	Lower	Upper
168	100		
99	63.9	39.1	58.7#

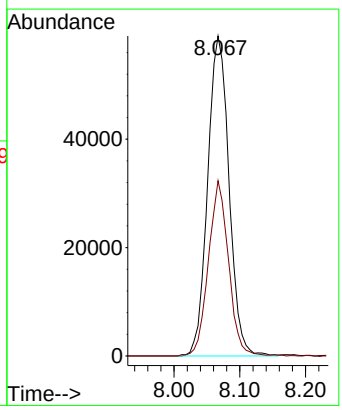


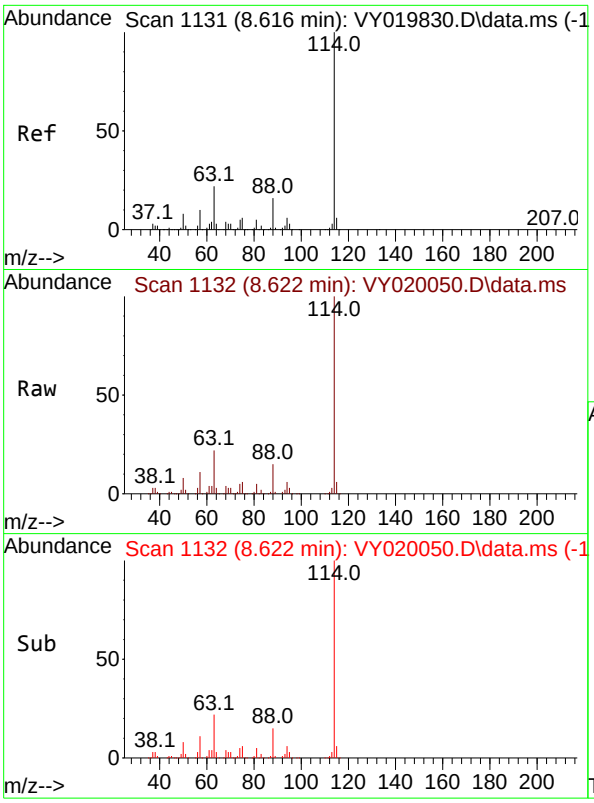


#33
1,2-Dichloroethane-d4
Concen: 55.272 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Tgt Ion: 65 Resp: 133469

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	109.6



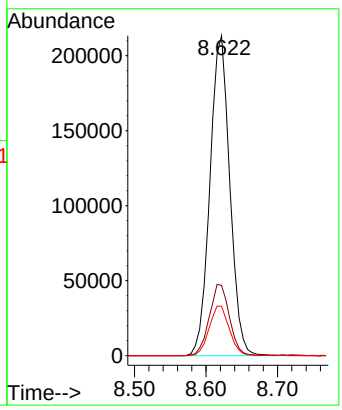


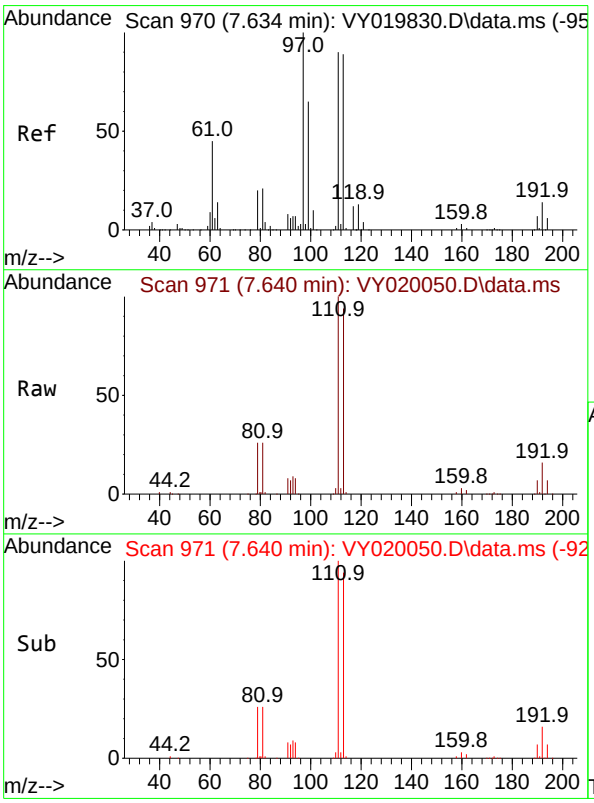
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Tgt Ion:114 Resp: 412090

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	35.0
88	15.4	0.0	27.2

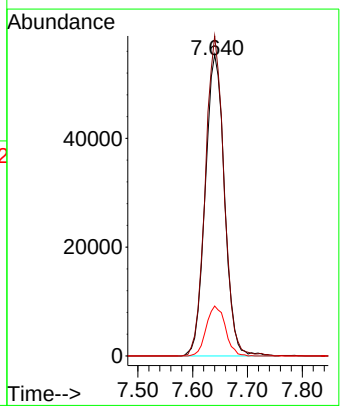


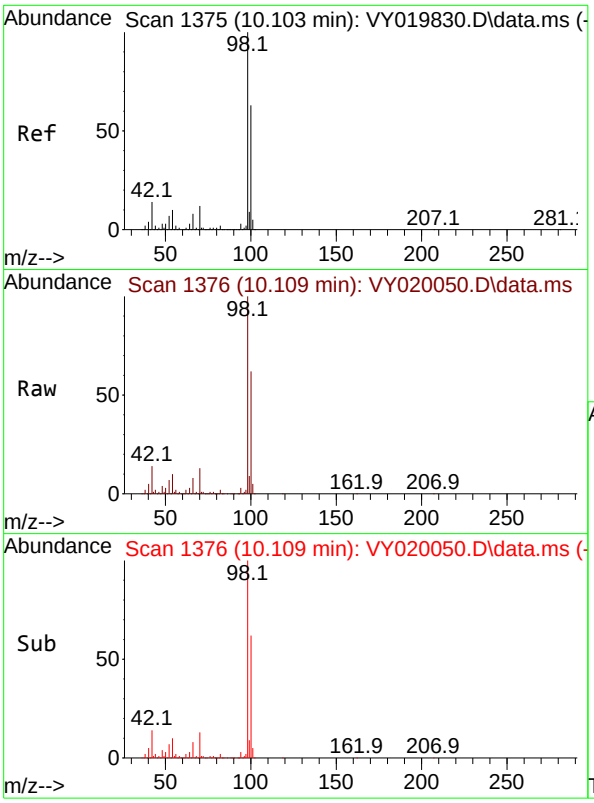


#35
Dibromofluoromethane
Concen: 49.588 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Tgt Ion:113 Resp: 134846

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	16.4	15.9	23.9



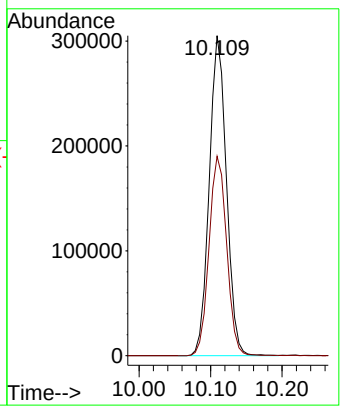


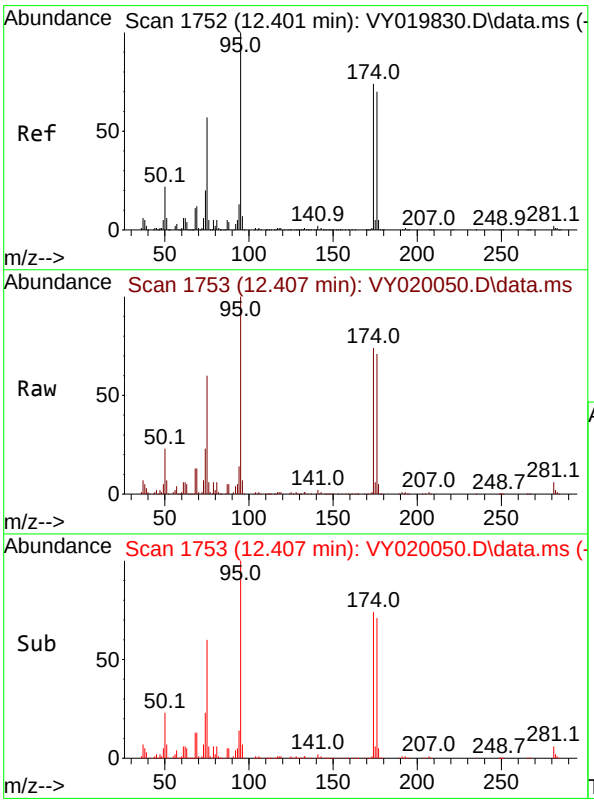
#50
Toluene-d8
Concen: 50.649 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Tgt Ion: 98 Resp: 508625

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.0	78.0

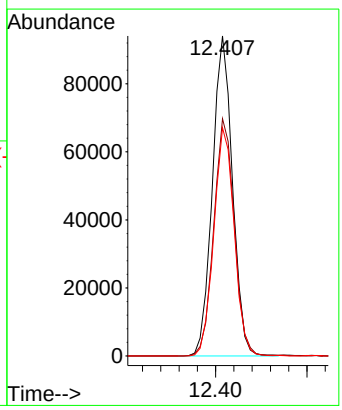


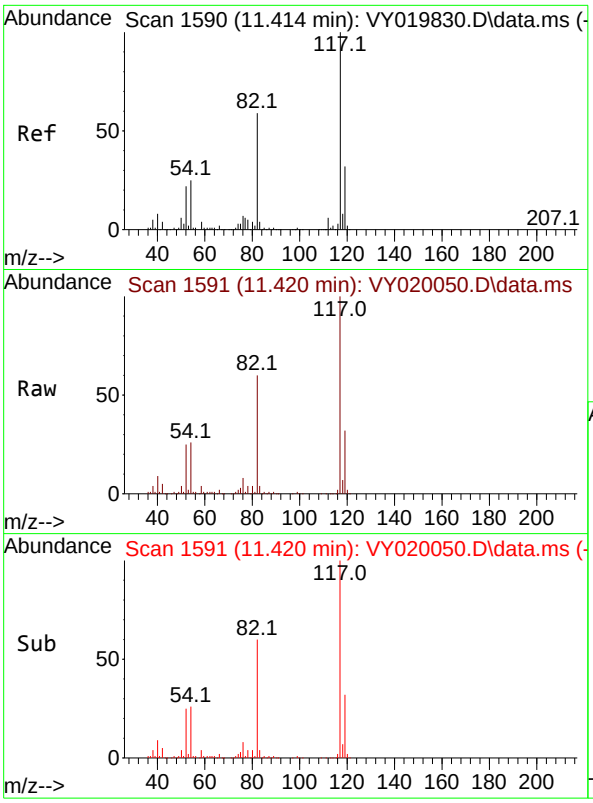


#62
4-Bromofluorobenzene
Concen: 39.485 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Tgt Ion: 95 Resp: 143274

Ion	Ratio	Lower	Upper
95	100		
174	75.9	0.0	175.6
176	72.4	0.0	171.4



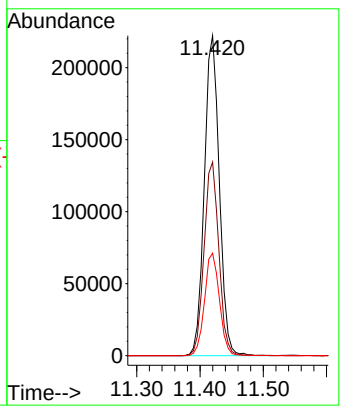


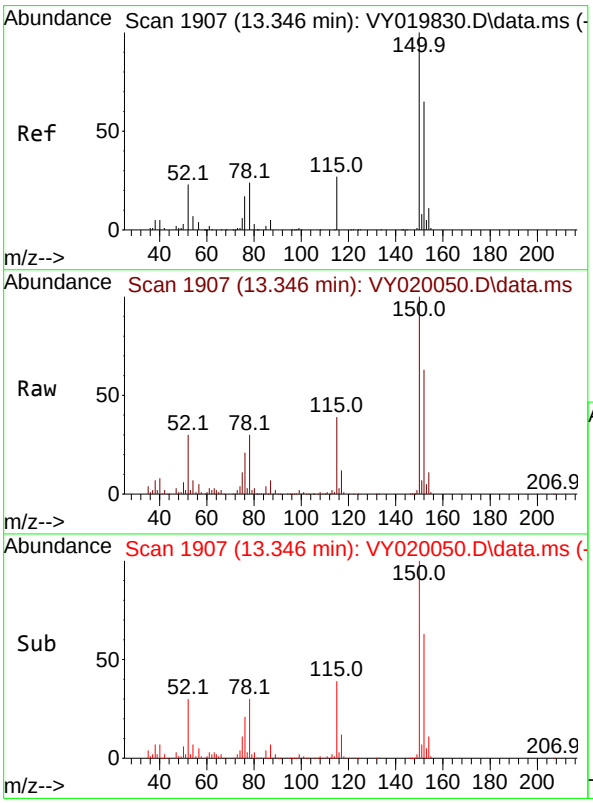
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Tgt Ion:117 Resp: 365725

Ion	Ratio	Lower	Upper
117	100		
82	60.5	42.4	63.6
119	32.0	25.9	38.9

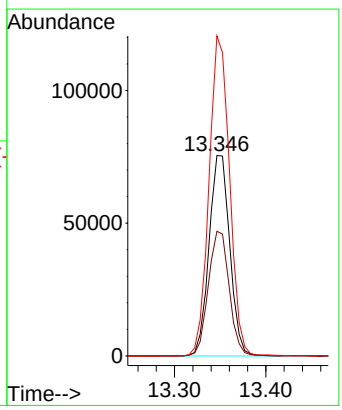




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020050.D
Acq: 29 Oct 2024 10:01

Tgt Ion:152 Resp: 118867

Ion	Ratio	Lower	Upper
152	100		
115	62.6	28.2	84.7
150	158.3	0.0	345.6



Sample Results: **VY020050.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

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\82Y100924S.M
Title : SW846 8260

Signal : TIC: VY020050.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	467	476	488	rBV3	10963	37151	2.64%	0.502%
2	5.653	633	645	656	rBV4	8884	26206	1.86%	0.354%
3	6.896	836	849	859	rBV	39784	127002	9.02%	1.717%
4	7.640	960	971	977	rBV	193487	465592	33.08%	6.296%
5	7.713	977	983	994	rVB	290875	650769	46.23%	8.800%
6	8.067	1028	1041	1051	rBV3	190159	503539	35.77%	6.809%
7	8.622	1123	1132	1145	rBV	521902	1033912	73.45%	13.981%
8	10.109	1368	1376	1385	rBV	830104	1407685	100.00%	19.035%
9	10.511	1434	1442	1454	rBV2	75997	144858	10.29%	1.959%
10	10.877	1496	1502	1512	rBV	31948	58416	4.15%	0.790%
11	11.249	1558	1563	1572	rVB3	15740	26303	1.87%	0.356%
12	11.420	1582	1591	1603	rBV	743130	1228749	87.29%	16.615%
13	12.407	1745	1753	1763	rBV2	520978	840669	59.72%	11.368%
14	13.346	1901	1907	1914	rVB	533404	828857	58.88%	11.208%
15	15.224	2209	2215	2221	rVB3	9743	15586	1.11%	0.211%

Sum of corrected areas: 7395294

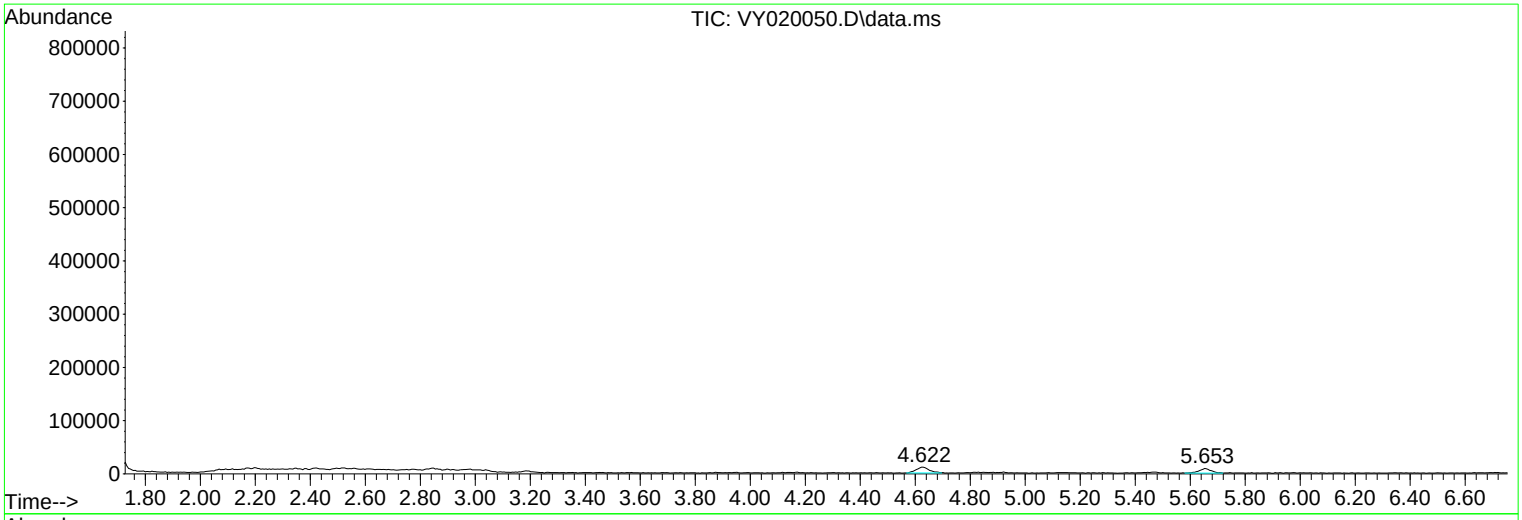
Sample Results: **VY020050.D**

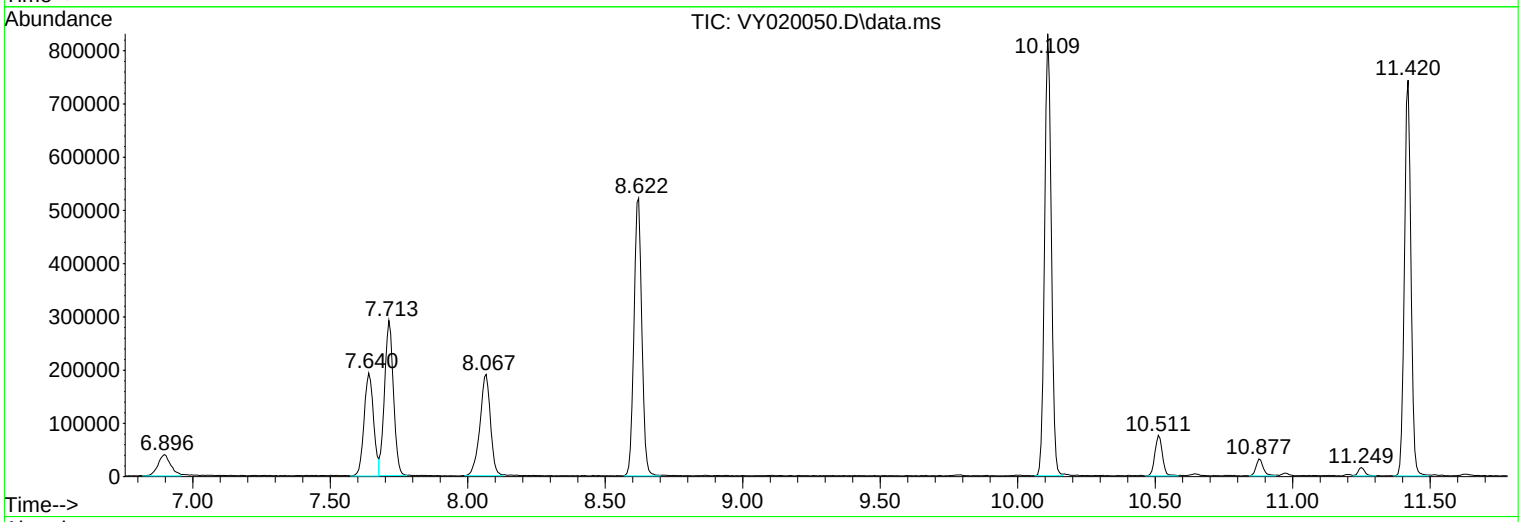
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

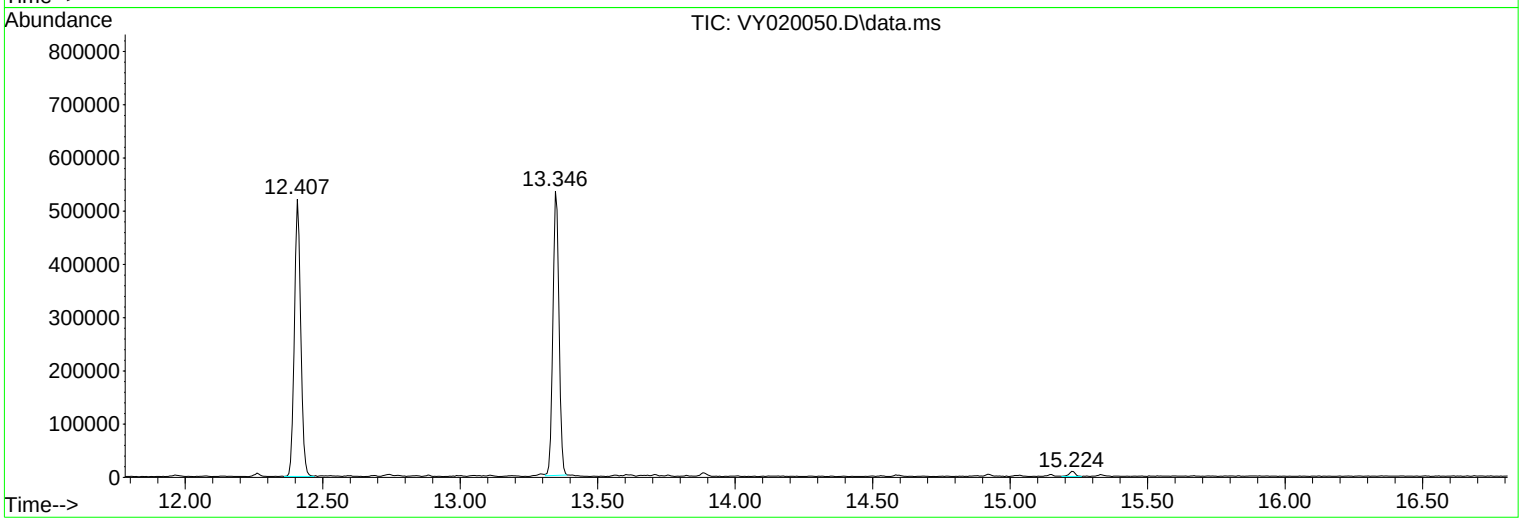
Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020050.D
Acq On : 29 Oct 2024 10:01
Operator : SY/MD
Sample : VY1029SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	202431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	352202	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	142936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	135908	42.105	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 84.220%			
35) Dibromofluoromethane	5.379	113	111394	46.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.280%			
50) Toluene-d8	8.647	98	399169	48.283	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.560%			
62) 4-Bromofluorobenzene	11.079	95	144111	47.042	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	40027	18.489	ug/l	100
3) Chloromethane	1.294	50	44310	16.012	ug/l	92
4) Vinyl Chloride	1.374	62	46678	18.174	ug/l	99
5) Bromomethane	1.593	94	18192	17.375	ug/l	97
6) Chloroethane	1.660	64	17156m	18.960	ug/l	
7) Trichlorofluoromethane	1.861	101	64804	20.654	ug/l	98
8) Diethyl Ether	2.136	74	25896	17.863	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.312	101	45384	21.388	ug/l	99
10) Methyl Iodide	2.440	142	57476	18.748	ug/l	97
11) Tert butyl alcohol	3.007	59	56407m	93.626	ug/l	
12) 1,1-Dichloroethene	2.306	96	42035	19.385	ug/l	92
13) Acrolein	2.239	56	40906	86.821	ug/l	99
14) Allyl chloride	2.654	41	68347	18.223	ug/l	96
15) Acrylonitrile	3.068	53	115840	85.162	ug/l	99
16) Acetone	2.386	43	118332	92.319	ug/l	98
17) Carbon Disulfide	2.501	76	82388	18.170	ug/l	100
18) Methyl Acetate	2.703	43	60142	16.054	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	143107	17.354	ug/l	100
20) Methylene Chloride	2.782	84	47149	17.068	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	44262	19.321	ug/l	97
22) Diisopropyl ether	3.757	45	139725	18.024	ug/l	92
23) Vinyl Acetate	3.721	43	571697	89.264	ug/l	99
24) 1,1-Dichloroethane	3.605	63	79799	17.909	ug/l	98
25) 2-Butanone	4.556	43	160914	86.062	ug/l	99
26) 2,2-Dichloropropane	4.465	77	72610	19.908	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	53987	18.448	ug/l	99
28) Bromochloromethane	4.891	49	37071	17.489	ug/l	96
29) Tetrahydrofuran	5.007	42	100228	82.487	ug/l	98
30) Chloroform	5.086	83	84330	18.055	ug/l	99
31) Cyclohexane	5.458	56	69310	20.338	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	76151	19.420	ug/l	99
36) 1,1-Dichloropropene	5.684	75	56285	19.875	ug/l	98
37) Ethyl Acetate	4.714	43	60171	17.501	ug/l	98
38) Carbon Tetrachloride	5.666	117	62906	20.104	ug/l	97
39) Methylcyclohexane	7.373	83	75030	21.340	ug/l	99
40) Benzene	6.031	78	178716	18.917	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	33159	18.374	ug/l		97
42) 1,2-Dichloroethane	6.080	62	62263	18.332	ug/l		99
43) Isopropyl Acetate	6.336	43	100112	17.607	ug/l		100
44) Trichloroethene	7.123	130	46116	19.649	ug/l		95
45) 1,2-Dichloropropane	7.427	63	42277	18.174	ug/l		100
46) Dibromomethane	7.580	93	32080	17.910	ug/l		96
47) Bromodichloromethane	7.818	83	57532	18.310	ug/l		99
48) Methyl methacrylate	7.696	41	48326	17.927	ug/l		98
49) 1,4-Dioxane	7.671	88	23130	417.634	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	312558	90.192	ug/l		99
52) Toluene	8.714	92	113851	19.871	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	59568	17.650	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	70181	19.517	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	44829	18.797	ug/l		93
56) Ethyl methacrylate	9.116	69	69497	17.934	ug/l		98
57) 1,3-Dichloropropane	9.305	76	74400	18.757	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	172110	91.703	ug/l		99
59) 2-Hexanone	9.433	43	240151	91.242	ug/l		100
60) Dibromochloromethane	9.518	129	44184	18.709	ug/l		98
61) 1,2-Dibromoethane	9.610	107	45897	18.539	ug/l		96
64) Tetrachloroethene	9.269	164	39340	21.213	ug/l		98
65) Chlorobenzene	10.079	112	123286	19.435	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	40788	19.685	ug/l		99
67) Ethyl Benzene	10.195	91	209043	20.209	ug/l		100
68) m/p-Xylenes	10.299	106	160547	40.586	ug/l		99
69) o-Xylene	10.640	106	79997	20.128	ug/l		99
70) Styrene	10.652	104	133590	20.223	ug/l		99
71) Bromoform	10.799	173	26501	17.788	ug/l	#	96
73) Isopropylbenzene	10.963	105	207962	20.539	ug/l		100
74) N-amyl acetate	10.841	43	89068	18.058	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	67422	18.518	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	54362m	17.788	ug/l		
77) Bromobenzene	11.195	156	50119	19.170	ug/l		99
78) n-propylbenzene	11.305	91	227750	20.630	ug/l		99
79) 2-Chlorotoluene	11.360	91	143898	19.657	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	171034	20.260	ug/l		97
81) trans-1,4-Dichloro-2-b...	11.018	75	19932	17.942	ug/l		96
82) 4-Chlorotoluene	11.451	91	162418	19.767	ug/l		96
83) tert-Butylbenzene	11.713	119	176326	20.537	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	176438	20.508	ug/l		99
85) sec-Butylbenzene	11.890	105	214438	21.308	ug/l		100
86) p-Isopropyltoluene	12.006	119	180325	21.080	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	92275	19.691	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	93923	19.343	ug/l		99
89) n-Butylbenzene	12.329	91	148112	21.249	ug/l		99
90) Hexachloroethane	12.536	117	28082	20.210	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	92312	19.265	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12277	16.540	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	55722	19.158	ug/l		98
94) Hexachlorobutadiene	13.725	225	22819	21.279	ug/l		98
95) Naphthalene	13.774	128	207496	18.643	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	57807	18.850	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

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

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

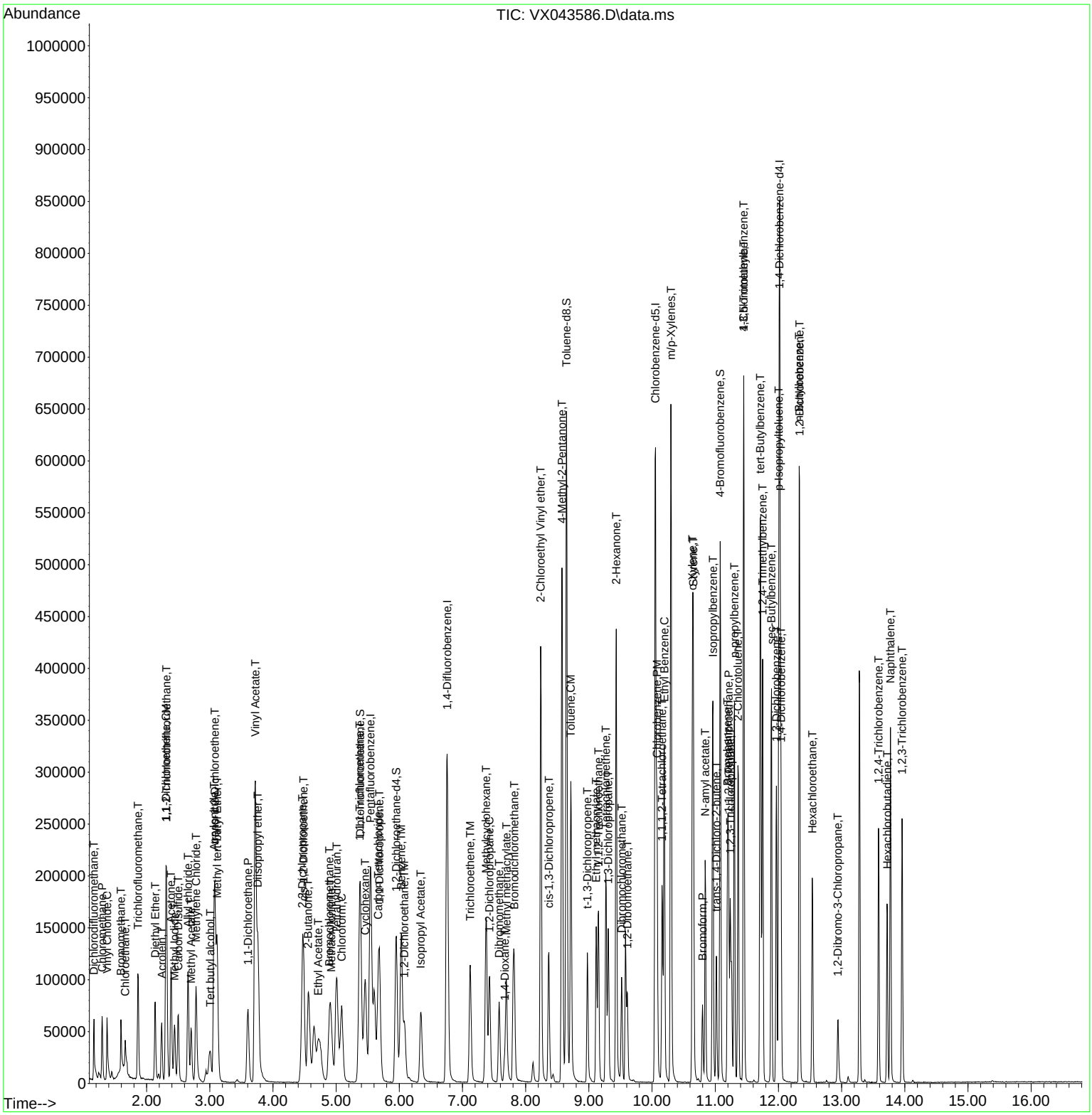
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043586.D
Acq On : 29 Oct 2024 10:57
Operator : JC/MD
Sample : VX1029WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:26:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020031.D
Acq On : 28 Oct 2024 10:40
Operator : SY/MD
Sample : VY1028SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 01:53:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	208423	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.621	114	369952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	306417	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	143516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	134056	52.237	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.480%			
35) Dibromofluoromethane	7.646	113	134145	54.949	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.900%			
50) Toluene-d8	10.115	98	484561	53.749	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.500%			
62) 4-Bromofluorobenzene	12.413	95	170868	52.454	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 104.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	32741	16.875	ug/l	95
3) Chloromethane	2.080	50	40405	16.000	ug/l	97
4) Vinyl Chloride	2.214	62	49378	17.769	ug/l	99
5) Bromomethane	2.604	94	32411	18.427	ug/l	91
6) Chloroethane	2.744	64	35791	19.172	ug/l	98
7) Trichlorofluoromethane	3.074	101	79213	19.157	ug/l	96
8) Diethyl Ether	3.464	74	21456	17.073	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.830	101	51206	21.290	ug/l	90
10) Methyl Iodide	4.019	142	36576	15.036	ug/l #	89
11) Tert butyl alcohol	4.878	59	19390m	81.425	ug/l	
12) 1,1-Dichloroethene	3.799	96	40603	18.159	ug/l	84
13) Acrolein	3.671	56	11045	58.572	ug/l	96
14) Allyl chloride	4.403	41	77389	19.183	ug/l #	88
15) Acrylonitrile	5.079	53	55664	96.840	ug/l	99
16) Acetone	3.878	43	73950	110.695	ug/l #	83
17) Carbon Disulfide	4.116	76	65403	10.913	ug/l	99
18) Methyl Acetate	4.397	43	26614	18.494	ug/l #	87
19) Methyl tert-butyl Ether	5.134	73	122382	19.052	ug/l	99
20) Methylene Chloride	4.628	84	49423	19.531	ug/l #	80
21) trans-1,2-Dichloroethene	5.134	96	43296	17.791	ug/l	86
22) Diisopropyl ether	6.030	45	192552	21.912	ug/l #	89
23) Vinyl Acetate	5.976	43	482009	95.679	ug/l #	90
24) 1,1-Dichloroethane	5.933	63	108918	22.297	ug/l	95
25) 2-Butanone	6.908	43	92841	103.825	ug/l #	83
26) 2,2-Dichloropropane	6.902	77	94484	21.719	ug/l	93
27) cis-1,2-Dichloroethene	6.902	96	61550	20.466	ug/l	81
28) Bromochloromethane	7.256	49	42394	19.718	ug/l #	73
29) Tetrahydrofuran	7.274	42	45258	88.642	ug/l #	83
30) Chloroform	7.433	83	112858	22.665	ug/l	100
31) Cyclohexane	7.713	56	75507	17.609	ug/l	90
32) 1,1,1-Trichloroethane	7.628	97	96949	22.216	ug/l	95
36) 1,1-Dichloropropene	7.847	75	67811	19.280	ug/l	93
37) Ethyl Acetate	7.000	43	33231	18.120	ug/l	96
38) Carbon Tetrachloride	7.829	117	78408	20.796	ug/l	97
39) Methylcyclohexane	9.115	83	76409	17.242	ug/l	86
40) Benzene	8.091	78	210923	19.816	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020031.D
Acq On : 28 Oct 2024 10:40
Operator : SY/MD
Sample : VY1028SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 01:53:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	15612	15.729	ug/l		93
42) 1,2-Dichloroethane	8.170	62	62066	20.296	ug/l		94
43) Isopropyl Acetate	8.207	43	67982	18.176	ug/l	#	90
44) Trichloroethene	8.871	130	50034	19.408	ug/l		99
45) 1,2-Dichloropropane	9.146	63	56792	21.317	ug/l		99
46) Dibromomethane	9.237	93	27820	19.112	ug/l	#	88
47) Bromodichloromethane	9.432	83	84461	21.861	ug/l		97
48) Methyl methacrylate	9.231	41	30163	18.334	ug/l	#	80
49) 1,4-Dioxane	9.237	88	5600	343.739	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.005	43	182942	95.896	ug/l		89
52) Toluene	10.176	92	135380	20.376	ug/l		100
53) t-1,3-Dichloropropene	10.402	75	68153	19.605	ug/l		100
54) cis-1,3-Dichloropropene	9.865	75	79294	19.331	ug/l	#	80
55) 1,1,2-Trichloroethane	10.578	97	40764	21.256	ug/l		97
56) Ethyl methacrylate	10.444	69	50145	18.223	ug/l	#	73
57) 1,3-Dichloropropane	10.725	76	68783	20.423	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.719	63	116854	91.218	ug/l		93
59) 2-Hexanone	10.767	43	139215	102.172	ug/l		86
60) Dibromochloromethane	10.920	129	50323	20.444	ug/l		98
61) 1,2-Dibromoethane	11.017	107	32941	19.008	ug/l		99
64) Tetrachloroethene	10.652	164	41223	18.914	ug/l		94
65) Chlorobenzene	11.444	112	146521	20.906	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.523	131	52164	21.999	ug/l		99
67) Ethyl Benzene	11.523	91	273403	21.475	ug/l		97
68) m/p-Xylenes	11.633	106	197834	42.075	ug/l		92
69) o-Xylene	11.962	106	95240	21.082	ug/l		91
70) Styrene	11.974	104	163782	21.488	ug/l		96
71) Bromoform	12.139	173	25328	19.953	ug/l	#	97
73) Isopropylbenzene	12.261	105	270812	22.434	ug/l		99
74) N-amyl acetate	12.078	43	59166	18.505	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.511	83	45204	21.074	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	31676m	11.267	ug/l		
77) Bromobenzene	12.535	156	53070	20.717	ug/l		85
78) n-propylbenzene	12.602	91	327444	22.449	ug/l		97
79) 2-Chlorotoluene	12.682	91	185564	22.191	ug/l		93
80) 1,3,5-Trimethylbenzene	12.743	105	211518	21.697	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.310	75	13167	18.904	ug/l	#	79
82) 4-Chlorotoluene	12.779	91	185341	21.676	ug/l		96
83) tert-Butylbenzene	13.005	119	203719	23.326	ug/l		96
84) 1,2,4-Trimethylbenzene	13.047	105	208878	21.611	ug/l		97
85) sec-Butylbenzene	13.182	105	306734	23.507	ug/l		97
86) p-Isopropyltoluene	13.297	119	235156	22.193	ug/l		96
87) 1,3-Dichlorobenzene	13.291	146	110209	21.304	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	108346	21.319	ug/l		96
89) n-Butylbenzene	13.621	91	234645	22.679	ug/l		98
90) Hexachloroethane	13.883	117	47820	23.177	ug/l		83
91) 1,2-Dichlorobenzene	13.663	146	98131	21.589	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.285	75	6229	18.196	ug/l		76
93) 1,2,4-Trichlorobenzene	14.925	180	47250	18.538	ug/l		96
94) Hexachlorobutadiene	15.029	225	29871	21.080	ug/l		100
95) Naphthalene	15.151	128	82573	17.177	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	38420	17.832	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020031.D
Acq On : 28 Oct 2024 10:40
Operator : SY/MD
Sample : VY1028SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 01:53:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

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

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

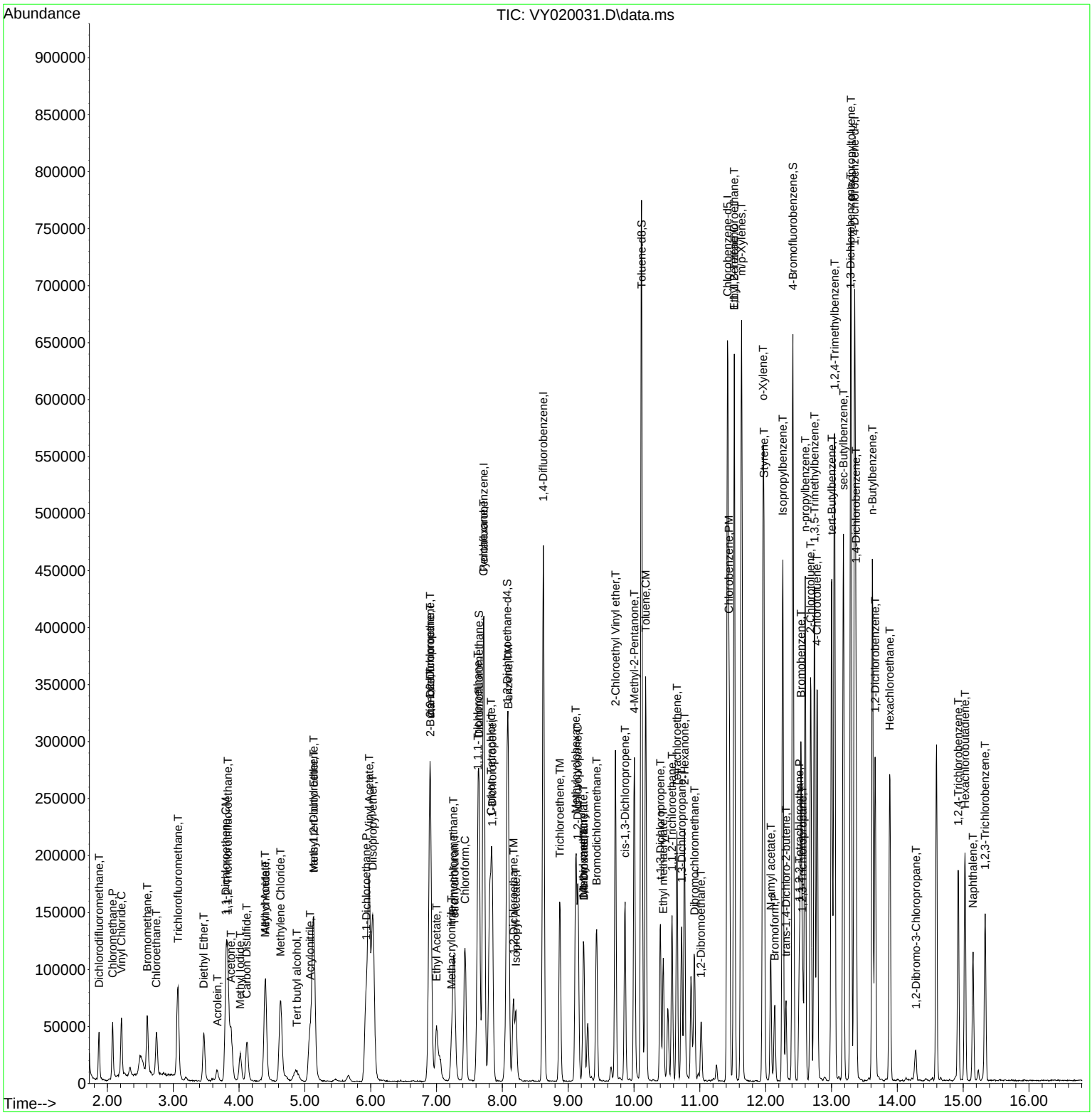
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020031.D
Acq On : 28 Oct 2024 10:40
Operator : SY/MD
Sample : VY1028SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 29 01:53:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020051.D
Acq On : 29 Oct 2024 11:04
Operator : SY/MD
Sample : VY1029SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 01:20:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	186283	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.622	114	334192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	285725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	134900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	118854	51.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.640%			
35) Dibromofluoromethane	7.640	113	112879	51.185	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.380%			
50) Toluene-d8	10.109	98	409396	50.270	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.540%			
62) 4-Bromofluorobenzene	12.408	95	147085	49.984	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	25827	14.893	ug/l	100
3) Chloromethane	2.080	50	35474	15.717	ug/l	97
4) Vinyl Chloride	2.214	62	44223	17.805	ug/l	96
5) Bromomethane	2.598	94	29055	18.482	ug/l	100
6) Chloroethane	2.739	64	32797	19.656	ug/l	97
7) Trichlorofluoromethane	3.068	101	71163	19.255	ug/l	89
8) Diethyl Ether	3.464	74	20688	18.419	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.824	101	43607	20.285	ug/l #	92
10) Methyl Iodide	4.013	142	32130	14.778	ug/l	90
11) Tert butyl alcohol	4.866	59	26387m	133.842	ug/l	
12) 1,1-Dichloroethene	3.793	96	34845	17.436	ug/l	85
13) Acrolein	3.659	56	11448	67.924	ug/l	94
14) Allyl chloride	4.397	41	69415	19.251	ug/l #	89
15) Acrylonitrile	5.074	53	60198	117.174	ug/l	97
16) Acetone	3.879	43	82827	138.719	ug/l #	81
17) Carbon Disulfide	4.116	76	54695	10.211	ug/l	96
18) Methyl Acetate	4.391	43	27741	21.568	ug/l #	88
19) Methyl tert-butyl Ether	5.128	73	121965	21.243	ug/l	95
20) Methylene Chloride	4.629	84	49107	21.804	ug/l #	75
21) trans-1,2-Dichloroethene	5.128	96	38225	17.574	ug/l #	85
22) Diisopropyl ether	6.031	45	180158	22.938	ug/l #	89
23) Vinyl Acetate	5.970	43	485811	107.896	ug/l #	92
24) 1,1-Dichloroethane	5.921	63	97435	22.317	ug/l	94
25) 2-Butanone	6.903	43	103150	129.064	ug/l #	83
26) 2,2-Dichloropropane	6.896	77	83105	21.374	ug/l	94
27) cis-1,2-Dichloroethene	6.903	96	55076	20.490	ug/l	78
28) Bromochloromethane	7.250	49	45015	23.425	ug/l #	71
29) Tetrahydrofuran	7.268	42	50969	111.692	ug/l #	80
30) Chloroform	7.427	83	103705	23.302	ug/l	96
31) Cyclohexane	7.707	56	64806	16.910	ug/l	92
32) 1,1,1-Trichloroethane	7.628	97	84591	21.688	ug/l #	93
36) 1,1-Dichloropropene	7.841	75	61159	19.250	ug/l	94
37) Ethyl Acetate	6.988	43	35245	21.274	ug/l #	94
38) Carbon Tetrachloride	7.823	117	68239	20.035	ug/l	97
39) Methylcyclohexane	9.116	83	64562	16.128	ug/l #	87
40) Benzene	8.091	78	191595	19.926	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020051.D
Acq On : 29 Oct 2024 11:04
Operator : SY/MD
Sample : VY1029SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 01:20:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	21227	23.674	ug/l	#	85
42) 1,2-Dichloroethane	8.165	62	58042	21.012	ug/l		95
43) Isopropyl Acetate	8.201	43	74293	21.989	ug/l	#	78
44) Trichloroethene	8.872	130	43223	18.560	ug/l		89
45) 1,2-Dichloropropane	9.146	63	54194	22.518	ug/l		96
46) Dibromomethane	9.238	93	27278	20.745	ug/l		88
47) Bromodichloromethane	9.427	83	78474	22.484	ug/l		100
48) Methyl methacrylate	9.225	41	31316	21.071	ug/l	#	82
49) 1,4-Dioxane	9.231	88	6613	449.354	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.000	43	201726	117.057	ug/l		89
52) Toluene	10.176	92	122305	20.378	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	63925	20.356	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	76149	20.551	ug/l	#	84
55) 1,1,2-Trichloroethane	10.573	97	39566	22.839	ug/l		100
56) Ethyl methacrylate	10.445	69	51345	20.655	ug/l	#	73
57) 1,3-Dichloropropane	10.719	76	67251	22.105	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	127158	109.883	ug/l		92
59) 2-Hexanone	10.762	43	153924	125.055	ug/l		85
60) Dibromochloromethane	10.914	129	48177	21.667	ug/l		100
61) 1,2-Dibromoethane	11.018	107	32764	20.929	ug/l		98
64) Tetrachloroethene	10.652	164	36142	17.784	ug/l		93
65) Chlorobenzene	11.444	112	132709	20.307	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.518	131	48642	21.999	ug/l		98
67) Ethyl Benzene	11.524	91	244765	20.618	ug/l		98
68) m/p-Xylenes	11.633	106	178897	40.803	ug/l		93
69) o-Xylene	11.957	106	85245	20.236	ug/l		88
70) Styrene	11.975	104	150351	21.155	ug/l		94
71) Bromoform	12.133	173	25680	21.695	ug/l	#	98
73) Isopropylbenzene	12.255	105	243064	21.421	ug/l		98
74) N-amyl acetate	12.072	43	62944	20.944	ug/l	#	86
75) 1,1,2,2-Tetrachloroethane	12.505	83	48220	23.916	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	34944m	13.223	ug/l		
77) Bromobenzene	12.536	156	49706	20.643	ug/l		81
78) n-propylbenzene	12.597	91	302261	22.046	ug/l		96
79) 2-Chlorotoluene	12.682	91	171019	21.757	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	195325	21.315	ug/l		94
81) trans-1,4-Dichloro-2-b...	12.304	75	13261	20.255	ug/l	#	74
82) 4-Chlorotoluene	12.780	91	172407	21.451	ug/l		95
83) tert-Butylbenzene	12.999	119	182466	22.227	ug/l		94
84) 1,2,4-Trimethylbenzene	13.042	105	194213	21.377	ug/l		94
85) sec-Butylbenzene	13.176	105	279579	22.794	ug/l		96
86) p-Isopropyltoluene	13.292	119	219728	22.062	ug/l		95
87) 1,3-Dichlorobenzene	13.292	146	103107	21.204	ug/l		96
88) 1,4-Dichlorobenzene	13.371	146	102087	21.370	ug/l		95
89) n-Butylbenzene	13.621	91	220214	22.644	ug/l		96
90) Hexachloroethane	13.883	117	44326	22.856	ug/l		84
91) 1,2-Dichlorobenzene	13.664	146	92483	21.646	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7168	22.277	ug/l		68
93) 1,2,4-Trichlorobenzene	14.926	180	45744	19.094	ug/l		98
94) Hexachlorobutadiene	15.029	225	26814	20.131	ug/l		94
95) Naphthalene	15.145	128	83682	18.520	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	38515	19.018	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020051.D
Acq On : 29 Oct 2024 11:04
Operator : SY/MD
Sample : VY1029SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 01:20:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

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

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

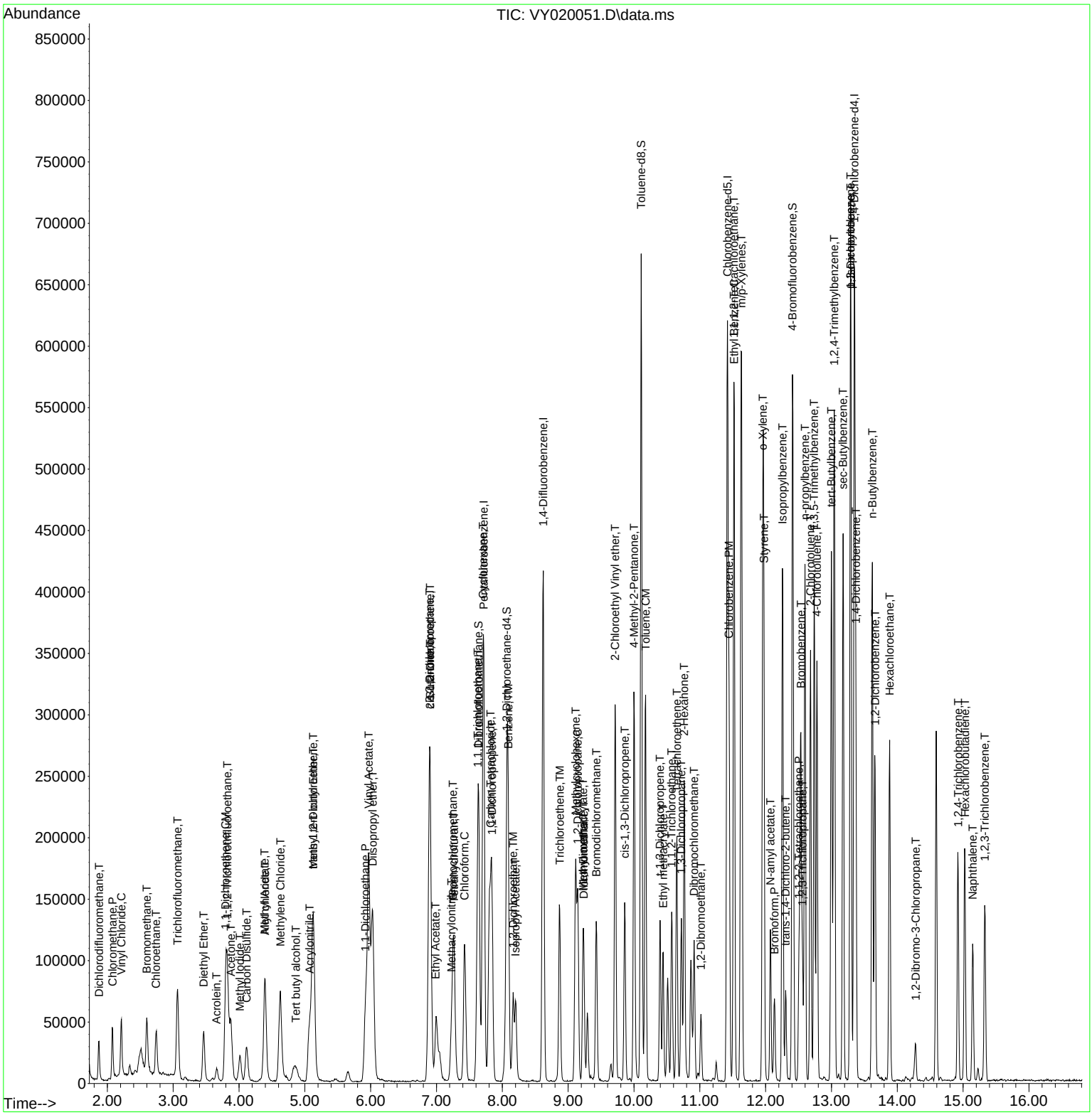
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020051.D
Acq On : 29 Oct 2024 11:04
Operator : SY/MD
Sample : VY1029SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 30 01:20:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1029SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	180366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	312050	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	123296	42.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.740%			
35) Dibromofluoromethane	5.385	113	99899	47.211	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.420%			
50) Toluene-d8	8.647	98	366426	50.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.060%			
62) 4-Bromofluorobenzene	11.079	95	135860	50.055	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	35143	18.219	ug/l	98
3) Chloromethane	1.294	50	40942	16.605	ug/l	99
4) Vinyl Chloride	1.374	62	41339	18.065	ug/l	98
5) Bromomethane	1.593	94	17344	18.591	ug/l	94
6) Chloroethane	1.660	64	15277	18.949	ug/l	100
7) Trichlorofluoromethane	1.861	101	57506	20.570	ug/l	98
8) Diethyl Ether	2.136	74	23314	18.050	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.313	101	37452	19.809	ug/l	97
10) Methyl Iodide	2.441	142	53263	19.499	ug/l	96
11) Tert butyl alcohol	3.008	59	57011m	106.205	ug/l	
12) 1,1-Dichloroethene	2.307	96	36845	19.070	ug/l	96
13) Acrolein	2.239	56	39535	94.177	ug/l	100
14) Allyl chloride	2.660	41	61519	18.409	ug/l	97
15) Acrylonitrile	3.069	53	109405	90.270	ug/l	99
16) Acetone	2.392	43	109359	95.756	ug/l	100
17) Carbon Disulfide	2.502	76	73159	18.108	ug/l	99
18) Methyl Acetate	2.709	43	57203	17.138	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	131788	17.936	ug/l	97
20) Methylene Chloride	2.782	84	41826	16.993	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	38207	18.718	ug/l	93
22) Diisopropyl ether	3.764	45	127741	18.494	ug/l	97
23) Vinyl Acetate	3.721	43	526774	92.311	ug/l	99
24) 1,1-Dichloroethane	3.605	63	72922	18.368	ug/l	98
25) 2-Butanone	4.562	43	152135	91.321	ug/l	100
26) 2,2-Dichloropropane	4.465	77	61908	19.050	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	48502	18.602	ug/l	99
28) Bromochloromethane	4.898	49	35416	18.753	ug/l	100
29) Tetrahydrofuran	5.007	42	96260	88.912	ug/l	98
30) Chloroform	5.086	83	75982	18.258	ug/l	98
31) Cyclohexane	5.458	56	60944	20.070	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	66644	19.074	ug/l	98
36) 1,1-Dichloropropene	5.684	75	50726	20.217	ug/l	99
37) Ethyl Acetate	4.715	43	57527	18.885	ug/l	98
38) Carbon Tetrachloride	5.672	117	55313	19.952	ug/l	95
39) Methylcyclohexane	7.373	83	65547	21.041	ug/l	95
40) Benzene	6.031	78	162811	19.451	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	30340	18.975	ug/l		96
42) 1,2-Dichloroethane	6.086	62	57693	19.172	ug/l		98
43) Isopropyl Acetate	6.342	43	94365	18.732	ug/l		98
44) Trichloroethene	7.123	130	40576	19.513	ug/l		98
45) 1,2-Dichloropropane	7.428	63	39286	19.061	ug/l		98
46) Dibromomethane	7.580	93	30214	19.039	ug/l		98
47) Bromodichloromethane	7.818	83	52666	18.918	ug/l		96
48) Methyl methacrylate	7.696	41	45342	18.984	ug/l		98
49) 1,4-Dioxane	7.671	88	22833	465.320	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	303410	98.818	ug/l		100
52) Toluene	8.720	92	102358	20.164	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	57218	19.136	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	64125	20.128	ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	42874	20.290	ug/l		96
56) Ethyl methacrylate	9.116	69	67171	19.564	ug/l		97
57) 1,3-Dichloropropane	9.305	76	69379	19.741	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	161188	96.934	ug/l		98
59) 2-Hexanone	9.433	43	235915	101.166	ug/l		100
60) Dibromochloromethane	9.519	129	41001	19.595	ug/l		98
61) 1,2-Dibromoethane	9.610	107	43112	19.655	ug/l		97
64) Tetrachloroethene	9.275	164	35803	21.083	ug/l		94
65) Chlorobenzene	10.079	112	114879	19.776	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	39255	20.689	ug/l		99
67) Ethyl Benzene	10.195	91	191684	20.237	ug/l		97
68) m/p-Xylenes	10.299	106	151758	41.895	ug/l		95
69) o-Xylene	10.640	106	75831	20.836	ug/l		97
70) Styrene	10.653	104	124213	20.534	ug/l		99
71) Bromoform	10.799	173	25655	18.805	ug/l	#	96
73) Isopropylbenzene	10.963	105	190648	20.509	ug/l		99
74) N-amyl acetate	10.842	43	86862	19.182	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	65393	19.563	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	52914m	18.859	ug/l		
77) Bromobenzene	11.195	156	46994	19.579	ug/l		99
78) n-propylbenzene	11.305	91	208848	20.606	ug/l		99
79) 2-Chlorotoluene	11.366	91	133377	19.846	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	161261	20.806	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	18827	18.460	ug/l		98
82) 4-Chlorotoluene	11.451	91	150670	19.974	ug/l		99
83) tert-Butylbenzene	11.713	119	165824	21.037	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	163892	20.749	ug/l		99
85) sec-Butylbenzene	11.890	105	197051	21.328	ug/l		100
86) p-Isopropyltoluene	12.006	119	164691	20.970	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	85827	19.950	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	85335	19.143	ug/l		99
89) n-Butylbenzene	12.329	91	132178	20.655	ug/l		98
90) Hexachloroethane	12.536	117	25551	20.029	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	88551	20.129	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	12736	18.690	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	51206	19.176	ug/l		97
94) Hexachlorobutadiene	13.725	225	20393	20.713	ug/l		98
95) Naphthalene	13.774	128	200939	19.665	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	53643	19.053	ug/l		99

Sample Results: **VX043587.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024

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

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

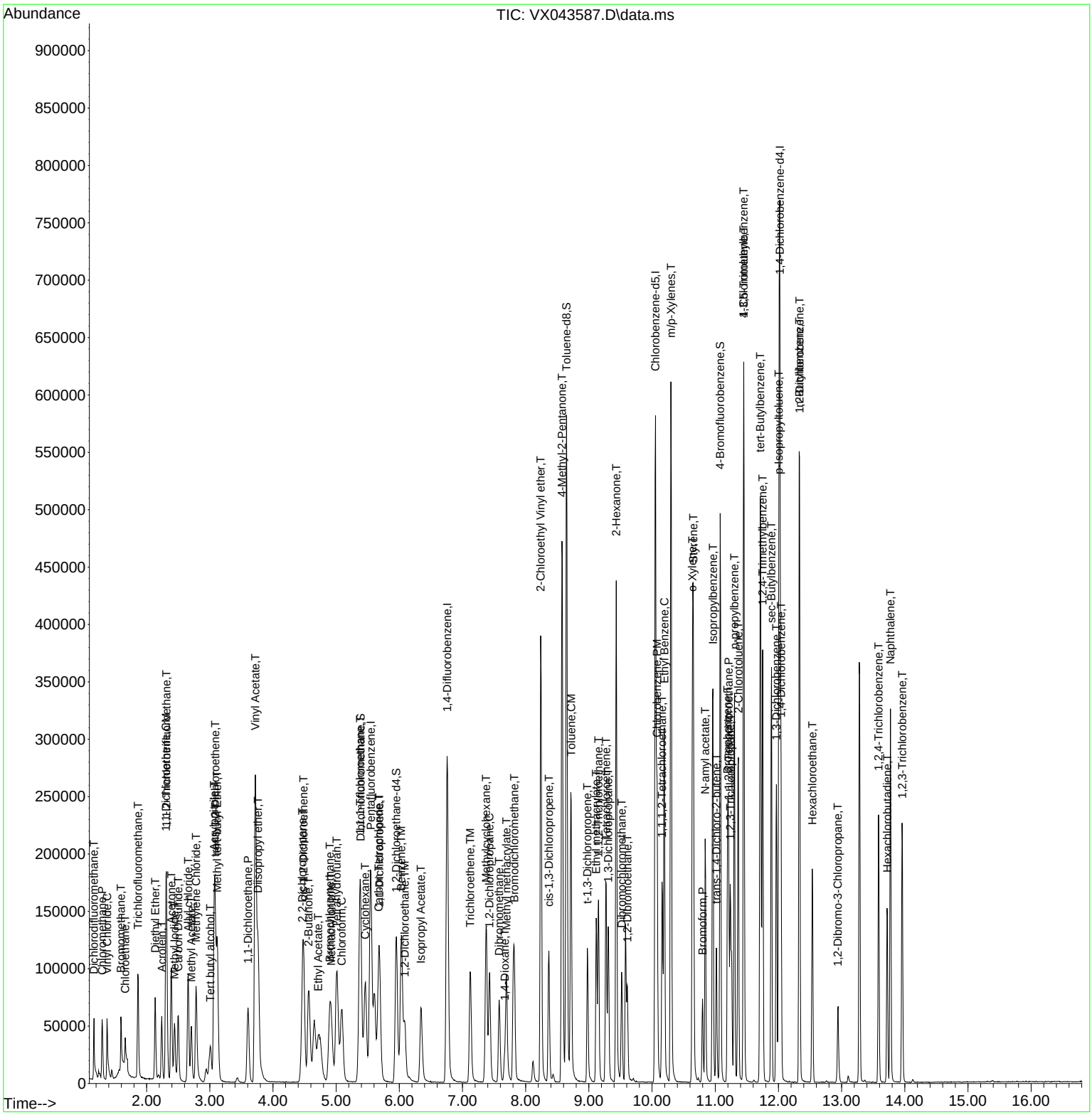
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102924\
Data File : VX043587.D
Acq On : 29 Oct 2024 11:20
Operator : JC/MD
Sample : VX1029WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 30 01:27:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102824W.M
Quant Title : SW846 8260
QLast Update : Mon Oct 28 13:41:34 2024
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1029WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/30/2024
Supervised By :Mahesh Dadoda 10/30/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020032.D
Acq On : 28 Oct 2024 11:02
Operator : SY/MD
Sample : VY1028SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 01:54:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	200597	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	351453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	295814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	146119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	116184	47.039	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.080%			
35) Dibromofluoromethane	7.640	113	115393	49.755	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.520%			
50) Toluene-d8	10.109	98	403213	47.080	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.160%			
62) 4-Bromofluorobenzene	12.407	95	145427	46.994	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 93.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	31035	16.619	ug/l	91
3) Chloromethane	2.074	50	39667	16.321	ug/l	93
4) Vinyl Chloride	2.208	62	45770	17.113	ug/l	99
5) Bromomethane	2.598	94	32052	18.933	ug/l	99
6) Chloroethane	2.738	64	33863	18.847	ug/l	97
7) Trichlorofluoromethane	3.062	101	75032	18.854	ug/l	97
8) Diethyl Ether	3.458	74	23615	19.524	ug/l	81
9) 1,1,2-Trichlorotrifluo...	3.818	101	46136	19.930	ug/l	92
10) Methyl Iodide	4.013	142	35722	15.258	ug/l	89
11) Tert butyl alcohol	4.872	59	20354	90.519	ug/l #	84
12) 1,1-Dichloroethene	3.799	96	37980	17.649	ug/l	85
13) Acrolein	3.659	56	13547	74.643	ug/l	100
14) Allyl chloride	4.397	41	75573	19.463	ug/l #	88
15) Acrylonitrile	5.067	53	61356	110.906	ug/l	95
16) Acetone	3.872	43	81133	126.186	ug/l #	84
17) Carbon Disulfide	4.116	76	60198	10.436	ug/l	100
18) Methyl Acetate	4.397	43	29007	20.943	ug/l #	87
19) Methyl tert-butyl Ether	5.122	73	130479	21.104	ug/l	96
20) Methylene Chloride	4.622	84	48334	19.859	ug/l #	82
21) trans-1,2-Dichloroethene	5.122	96	40487	17.286	ug/l	93
22) Diisopropyl ether	6.024	45	192184	22.723	ug/l	92
23) Vinyl Acetate	5.970	43	515221	106.262	ug/l #	89
24) 1,1-Dichloroethane	5.927	63	101708	21.634	ug/l	94
25) 2-Butanone	6.896	43	103284	120.010	ug/l #	82
26) 2,2-Dichloropropane	6.890	77	86311	20.614	ug/l	94
27) cis-1,2-Dichloroethene	6.896	96	60239	20.812	ug/l	84
28) Bromochloromethane	7.250	49	45912	22.187	ug/l #	71
29) Tetrahydrofuran	7.262	42	51566	104.937	ug/l #	81
30) Chloroform	7.427	83	108831	22.709	ug/l	97
31) Cyclohexane	7.707	56	70435	17.067	ug/l	90
32) 1,1,1-Trichloroethane	7.622	97	88545	21.082	ug/l #	93
36) 1,1-Dichloropropene	7.835	75	65595	19.632	ug/l	93
37) Ethyl Acetate	6.988	43	39591	22.724	ug/l #	92
38) Carbon Tetrachloride	7.823	117	73988	20.656	ug/l	98
39) Methylcyclohexane	9.115	83	71437	16.969	ug/l	85
40) Benzene	8.085	78	203054	20.081	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020032.D
Acq On : 28 Oct 2024 11:02
Operator : SY/MD
Sample : VY1028SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 01:54:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.232	41	22072	23.407	ug/l	#	83
42) 1,2-Dichloroethane	8.164	62	62181	21.404	ug/l		95
43) Isopropyl Acetate	8.201	43	73461	20.675	ug/l	#	90
44) Trichloroethene	8.872	130	46482	18.979	ug/l		86
45) 1,2-Dichloropropane	9.146	63	55584	21.962	ug/l		99
46) Dibromomethane	9.237	93	28598	20.681	ug/l		89
47) Bromodichloromethane	9.426	83	83153	22.655	ug/l		98
48) Methyl methacrylate	9.225	41	32581	20.846	ug/l	#	81
49) 1,4-Dioxane	9.231	88	6247	403.636	ug/l	#	87
51) 4-Methyl-2-Pentanone	9.999	43	205440	113.357	ug/l		89
52) Toluene	10.176	92	129047	20.445	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	67431	20.418	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	80401	20.633	ug/l	#	83
55) 1,1,2-Trichloroethane	10.572	97	40089	22.004	ug/l		92
56) Ethyl methacrylate	10.438	69	54665	20.911	ug/l	#	74
57) 1,3-Dichloropropane	10.719	76	69809	21.819	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	130240	107.019	ug/l		92
59) 2-Hexanone	10.761	43	158319	122.309	ug/l		86
60) Dibromochloromethane	10.914	129	50247	21.488	ug/l		99
61) 1,2-Dibromoethane	11.017	107	33148	20.135	ug/l		98
64) Tetrachloroethene	10.652	164	39913	18.969	ug/l		94
65) Chlorobenzene	11.444	112	144999	21.431	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	51226	22.378	ug/l		99
67) Ethyl Benzene	11.524	91	263771	21.461	ug/l		98
68) m/p-Xylenes	11.633	106	188291	41.481	ug/l		91
69) o-Xylene	11.956	106	92029	21.101	ug/l		91
70) Styrene	11.975	104	159728	21.708	ug/l		95
71) Bromoform	12.133	173	25963	21.186	ug/l	#	100
73) Isopropylbenzene	12.255	105	261201	21.252	ug/l		97
74) N-amyl acetate	12.072	43	66538	20.440	ug/l		89
75) 1,1,2,2-Tetrachloroethane	12.511	83	48903	22.393	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	37749m	13.188	ug/l		
77) Bromobenzene	12.536	156	52388	20.087	ug/l		80
78) n-propylbenzene	12.596	91	322402	21.709	ug/l		95
79) 2-Chlorotoluene	12.682	91	177386	20.835	ug/l		94
80) 1,3,5-Trimethylbenzene	12.737	105	209093	21.066	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	14481	20.420	ug/l	#	76
82) 4-Chlorotoluene	12.779	91	188444	21.647	ug/l		95
83) tert-Butylbenzene	12.999	119	192975	21.702	ug/l		95
84) 1,2,4-Trimethylbenzene	13.042	105	209092	21.247	ug/l		97
85) sec-Butylbenzene	13.176	105	297318	22.380	ug/l		96
86) p-Isopropyltoluene	13.291	119	234698	21.756	ug/l		96
87) 1,3-Dichlorobenzene	13.291	146	110766	21.030	ug/l		97
88) 1,4-Dichlorobenzene	13.371	146	109876	21.235	ug/l		95
89) n-Butylbenzene	13.621	91	237339	22.531	ug/l		97
90) Hexachloroethane	13.877	117	46832	22.294	ug/l		87
91) 1,2-Dichlorobenzene	13.657	146	99945	21.596	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7553	21.671	ug/l		71
93) 1,2,4-Trichlorobenzene	14.925	180	52715	20.314	ug/l		96
94) Hexachlorobutadiene	15.023	225	30493	21.136	ug/l		99
95) Naphthalene	15.145	128	100388	20.511	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	45531	20.756	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020032.D
Acq On : 28 Oct 2024 11:02
Operator : SY/MD
Sample : VY1028SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 01:54:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024

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

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

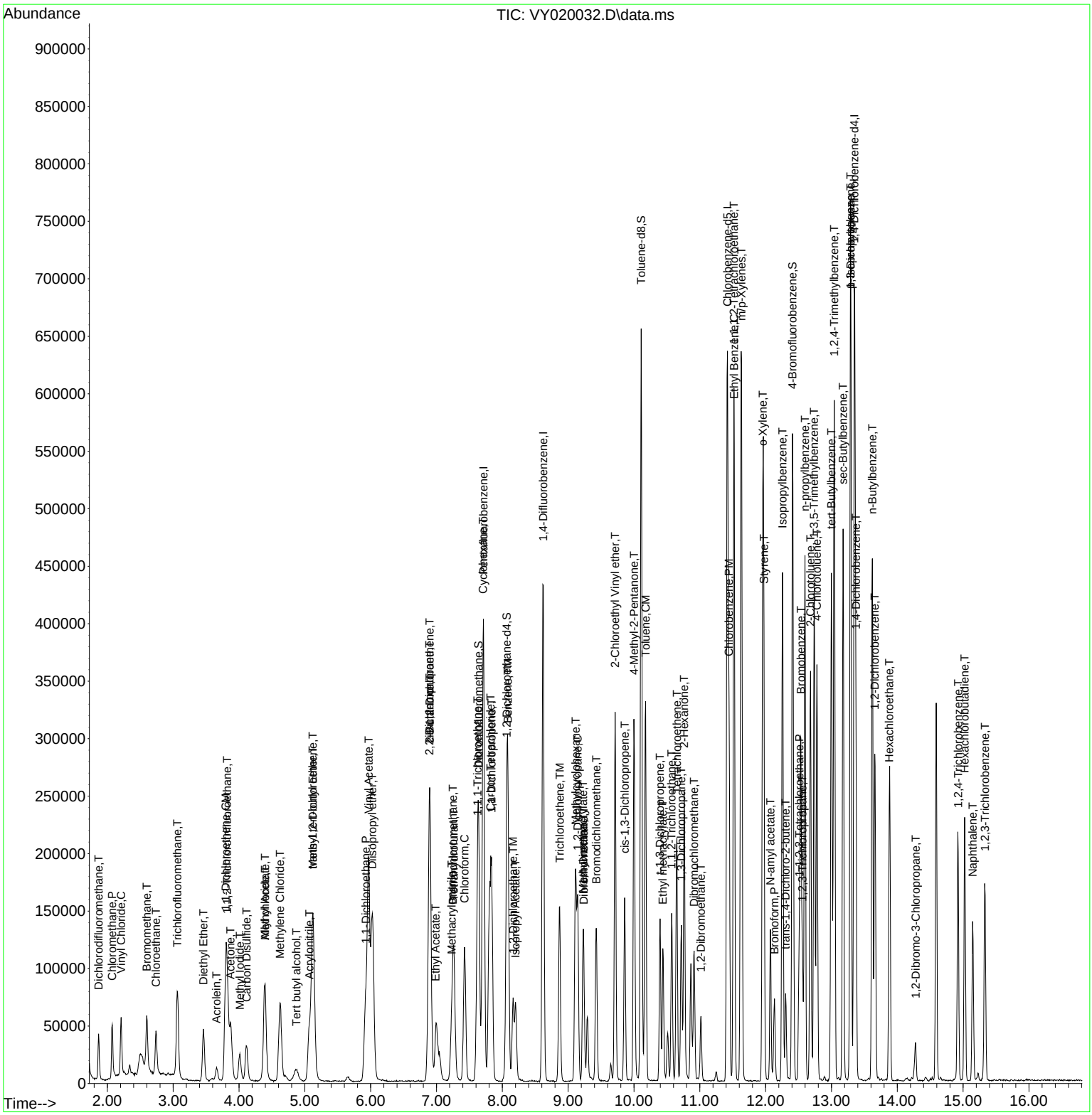
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
Data File : VY020032.D
Acq On : 28 Oct 2024 11:02
Operator : SY/MD
Sample : VY1028SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 29 01:54:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1028SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 10/29/2024
Supervised By :Mahesh Dadoda 10/29/2024



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

Manual Integration Report

Sequence:	VX102824	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX043556.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	1,4-Dichlorobenzene	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	Ethyl Acetate	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC001	VX043556.D	Methacrylonitrile	SAM	10/29/2024 8:57:08 AM	MMDadoda	10/29/2024 12:19:41 PM	Peak Integrated by Software
VSTDICC005	VX043557.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:13 AM	MMDadoda	10/29/2024 12:19:39 PM	Peak Integrated by Software
VSTDICC020	VX043558.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:18 AM	MMDadoda	10/29/2024 12:19:37 PM	Peak Integrated by Software
VSTDICC020	VX043558.D	Tert butyl alcohol	SAM	10/29/2024 8:57:18 AM	MMDadoda	10/29/2024 12:19:37 PM	Peak Integrated by Software
VSTDICCC050	VX043559.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:53 AM	MMDadoda	10/29/2024 12:19:36 PM	Peak Integrated by Software
VSTDICCC050	VX043559.D	Tert butyl alcohol	SAM	10/29/2024 8:57:53 AM	MMDadoda	10/29/2024 12:19:36 PM	Peak Integrated by Software
VSTDICC100	VX043560.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:22 AM	MMDadoda	10/29/2024 12:19:34 PM	Peak Integrated by Software
VSTDICC150	VX043561.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:57 AM	MMDadoda	10/29/2024 12:19:32 PM	Peak Integrated by Software
VSTDICV050	VX043563.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:27 AM	MMDadoda	10/29/2024 12:19:30 PM	Peak Integrated by Software
VSTDCCC050	VX043581.D	1,2,3-Trichloropropane	SAM	10/29/2024 8:57:42 AM	MMDadoda	10/29/2024 12:19:26 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VX102824	Instrument	MSVOA_x

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

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

Manual Integration Report

Sequence:	VX102924	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX043583.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:32 AM	MMDadoda	10/30/2024 1:23:51 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	Chloroethane	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBS01	VX043586.D	Tert butyl alcohol	SAM	10/30/2024 11:31:35 AM	MMDadoda	10/30/2024 1:23:53 PM	Peak Integrated by Software
VX1029WBSD01	VX043587.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:36 AM	MMDadoda	10/30/2024 1:23:55 PM	Peak Integrated by Software
VX1029WBSD01	VX043587.D	Tert butyl alcohol	SAM	10/30/2024 11:31:36 AM	MMDadoda	10/30/2024 1:23:55 PM	Peak Integrated by Software
VSTDCCC050	VX043608.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:31:39 AM	MMDadoda	10/30/2024 1:23:58 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY100924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY019827.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:35 AM	MMDadoda	10/10/2024 10:09:23 PM	Peak Integrated by Software
VSTDICC010	VY019828.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:39 AM	MMDadoda	10/10/2024 10:09:24 PM	Peak Integrated by Software
VSTDICC020	VY019829.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:29:24 AM	MMDadoda	10/10/2024 10:09:26 PM	Peak Integrated by Software
VSTDICCC050	VY019830.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:44 AM	MMDadoda	10/10/2024 10:09:28 PM	Peak Integrated by Software
VSTDICC100	VY019831.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:48 AM	MMDadoda	10/10/2024 10:09:30 PM	Peak Integrated by Software
VSTDICC150	VY019832.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:51 AM	MMDadoda	10/10/2024 10:09:32 PM	Peak Integrated by Software
VSTDICV050	VY019834.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:28:56 AM	MMDadoda	10/10/2024 10:09:33 PM	Peak Integrated by Software
VSTDCCC050	VY019842.D	1,2,3-Trichloropropane	Romaben	10/10/2024 10:29:13 AM	MMDadoda	10/10/2024 10:09:40 PM	Peak Integrated by Software
VSTDCCC050	VY019842.D	Methacrylonitrile	Romaben	10/10/2024 10:29:13 AM	MMDadoda	10/10/2024 10:09:40 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY102824	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020029.D	1,2,3-Trichloropropane	Romaben	10/29/2024 11:27:48 AM	MMDadoda	10/29/2024 12:17:48 PM	Peak Integrated by Software
VY1028SBS01	VY020031.D	1,2,3-Trichloropropane	Romaben	10/29/2024 11:27:51 AM	MMDadoda	10/29/2024 12:17:56 PM	Peak Integrated by Software
VY1028SBS01	VY020031.D	Tert butyl alcohol	Romaben	10/29/2024 11:27:51 AM	MMDadoda	10/29/2024 12:17:56 PM	Peak Integrated by Software
VY1028SBSD01	VY020032.D	1,2,3-Trichloropropane	Romaben	10/29/2024 11:27:55 AM	MMDadoda	10/29/2024 12:17:54 PM	Peak Integrated by Software
VSTDCCC050	VY020046.D	1,2,3-Trichloropropane	Romaben	10/29/2024 11:27:58 AM	MMDadoda	10/29/2024 12:17:54 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY102924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020049.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:30:37 AM	MMDadoda	10/30/2024 1:22:35 PM	Peak Integrated by Software
VY1029SBS01	VY020051.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:30:40 AM	MMDadoda	10/30/2024 1:22:36 PM	Peak Integrated by Software
VY1029SBS01	VY020051.D	Tert butyl alcohol	SAM	10/30/2024 11:30:40 AM	MMDadoda	10/30/2024 1:22:36 PM	Peak Integrated by Software
VSTDCCC050	VY020073.D	1,2,3-Trichloropropane	SAM	10/30/2024 11:30:53 AM	MMDadoda	10/30/2024 1:22:42 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM				
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043555.D	28 Oct 2024 10:09	JC/MD	Ok
2	VSTDICC001	VX043556.D	28 Oct 2024 10:59	JC/MD	Ok,M
3	VSTDICC005	VX043557.D	28 Oct 2024 11:22	JC/MD	Ok,M
4	VSTDICC020	VX043558.D	28 Oct 2024 11:45	JC/MD	Ok,M
5	VSTDICCC050	VX043559.D	28 Oct 2024 12:08	JC/MD	Ok,M
6	VSTDICC100	VX043560.D	28 Oct 2024 12:31	JC/MD	Ok,M
7	VSTDICC150	VX043561.D	28 Oct 2024 12:54	JC/MD	Ok,M
8	VIBLK	VX043562.D	28 Oct 2024 14:04	JC/MD	Ok
9	VSTDICV050	VX043563.D	28 Oct 2024 14:27	JC/MD	Ok,M
10	VX1028MBL01	VX043564.D	28 Oct 2024 15:02	JC/MD	Not Ok
11	VX1028WBL01	VX043565.D	28 Oct 2024 15:52	JC/MD	Ok
12	VX1028WBS01	VX043566.D	28 Oct 2024 16:28	JC/MD	Ok,M
13	VX1028WBSD01	VX043567.D	28 Oct 2024 16:51	JC/MD	Ok,M
14	PB164394TB	VX043568.D	28 Oct 2024 17:14	JC/MD	Ok
15	PB164394ZHE#01	VX043569.D	28 Oct 2024 17:38	JC/MD	Ok
16	PB164394ZHE#02	VX043570.D	28 Oct 2024 18:01	JC/MD	Ok
17	PB164394ZHE#03	VX043571.D	28 Oct 2024 18:24	JC/MD	Ok
18	PB164394ZHE#04	VX043572.D	28 Oct 2024 18:47	JC/MD	Ok
19	PB164394ZHE#05	VX043573.D	28 Oct 2024 19:10	JC/MD	Ok
20	PB164394ZHE#06	VX043574.D	28 Oct 2024 19:33	JC/MD	Ok
21	PB164394ZHE#07	VX043575.D	28 Oct 2024 19:56	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM				
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB164394ZHE#08	VX043576.D	28 Oct 2024 20:19	JC/MD	Ok
23	PB164394ZHE#09	VX043577.D	28 Oct 2024 20:42	JC/MD	Ok
24	PB164394ZHE#10	VX043578.D	28 Oct 2024 21:05	JC/MD	Ok
25	PB164394ZHE#11	VX043579.D	28 Oct 2024 21:28	JC/MD	Ok
26	PB164394ZHE#12	VX043580.D	28 Oct 2024 21:52	JC/MD	Ok
27	VSTDCCC050	VX043581.D	28 Oct 2024 22:15	JC/MD	Not Ok

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM				
SubDirectory	VX102924	HP Acquire Method	MSVOA_X		HP Processing Method	82x102824w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX043582.D	29 Oct 2024 08:30	JC/MD	Ok
2	VSTDCCC050	VX043583.D	29 Oct 2024 09:29	JC/MD	Ok,M
3	VX1029MBL01	VX043584.D	29 Oct 2024 10:06	JC/MD	Ok
4	VX1029WBL01	VX043585.D	29 Oct 2024 10:31	JC/MD	Ok
5	VX1029WBS01	VX043586.D	29 Oct 2024 10:57	JC/MD	Ok,M
6	VX1029WBSD01	VX043587.D	29 Oct 2024 11:20	JC/MD	Ok,M
7	VIBLK	VX043588.D	29 Oct 2024 11:43	JC/MD	Ok
8	P4596-07	VX043589.D	29 Oct 2024 12:10	JC/MD	Ok,M
9	VIBLK	VX043590.D	29 Oct 2024 12:33	JC/MD	Ok
10	P4578-09	VX043591.D	29 Oct 2024 12:56	JC/MD	Ok
11	P4548-09	VX043592.D	29 Oct 2024 13:19	JC/MD	Ok
12	P4548-01	VX043593.D	29 Oct 2024 13:43	JC/MD	Ok
13	P4548-03	VX043594.D	29 Oct 2024 14:06	JC/MD	Ok
14	P4548-05	VX043595.D	29 Oct 2024 14:29	JC/MD	Ok
15	P4548-07	VX043596.D	29 Oct 2024 14:52	JC/MD	Ok
16	P4578-01	VX043597.D	29 Oct 2024 15:15	JC/MD	Ok
17	P4578-02	VX043598.D	29 Oct 2024 15:38	JC/MD	Ok
18	P4600-01	VX043599.D	29 Oct 2024 16:01	JC/MD	Ok
19	P4600-02	VX043600.D	29 Oct 2024 16:24	JC/MD	Ok
20	P4600-03	VX043601.D	29 Oct 2024 16:48	JC/MD	Ok
21	P4600-04	VX043602.D	29 Oct 2024 17:11	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM				
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM				
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4600-05	VX043603.D	29 Oct 2024 17:34	JC/MD	ReRun
23	P4600-06	VX043604.D	29 Oct 2024 17:57	JC/MD	Ok
24	P4600-07	VX043605.D	29 Oct 2024 18:20	JC/MD	Ok
25	P4562-01	VX043606.D	29 Oct 2024 18:43	JC/MD	Ok
26	P4562-01	VX043607.D	29 Oct 2024 19:06	JC/MD	ReRun
27	VSTDCCC050	VX043608.D	29 Oct 2024 19:29	JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100924

Review By	Mahesh Dadoda	Review On	10/10/2024 10:09:46 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2024 10:11:49 PM				
SubDirectory	VY100924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP130736
Initial Calibration Stds	VP130737,VP130738,VP130739,VP130740,VP130741,VP130742
CCC	VP130744,VP130745
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130746
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019826.D	09 Oct 2024 09:33	SY/MD	Ok
2	VSTDICC005	VY019827.D	09 Oct 2024 10:18	SY/MD	Ok,M
3	VSTDICC010	VY019828.D	09 Oct 2024 10:41	SY/MD	Ok,M
4	VSTDICC020	VY019829.D	09 Oct 2024 11:04	SY/MD	Ok,M
5	VSTDICCC050	VY019830.D	09 Oct 2024 11:26	SY/MD	Ok,M
6	VSTDICC100	VY019831.D	09 Oct 2024 11:49	SY/MD	Ok,M
7	VSTDICC150	VY019832.D	09 Oct 2024 12:11	SY/MD	Ok,M
8	VIBLK	VY019833.D	09 Oct 2024 12:35	SY/MD	Ok
9	VSTDICV050	VY019834.D	09 Oct 2024 15:25	SY/MD	Ok,M
10	VY1009SBL01	VY019835.D	09 Oct 2024 16:11	SY/MD	Ok
11	VY1009SBS01	VY019836.D	09 Oct 2024 16:41	SY/MD	Ok,M
12	VY1009SBSD01	VY019837.D	09 Oct 2024 17:04	SY/MD	Ok,M
13	P4343-01	VY019838.D	09 Oct 2024 17:27	SY/MD	Not Ok
14	P4353-02	VY019839.D	09 Oct 2024 17:51	SY/MD	Ok
15	P4359-01	VY019840.D	09 Oct 2024 18:14	SY/MD	Ok
16	P4344-01	VY019841.D	09 Oct 2024 18:38	SY/MD	Ok
17	VSTDCCC050	VY019842.D	09 Oct 2024 19:00	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:18:01 PM	
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:20:22 PM	
SubDirectory	VY102824	HP Acquire Method		HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP131128
Initial Calibration Stds	
CCC	VP131160,VP131161
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020028.D	28 Oct 2024 08:55	SY/MD	Ok
2	VSTDCCC050	VY020029.D	28 Oct 2024 09:29	SY/MD	Ok,M
3	VY1028SBL01	VY020030.D	28 Oct 2024 09:58	SY/MD	Ok
4	VY1028SBS01	VY020031.D	28 Oct 2024 10:40	SY/MD	Ok,M
5	VY1028SBSD01	VY020032.D	28 Oct 2024 11:02	SY/MD	Ok,M
6	P4578-03	VY020033.D	28 Oct 2024 11:56	SY/MD	Ok
7	P4578-04	VY020034.D	28 Oct 2024 12:19	SY/MD	Ok
8	P4578-07	VY020035.D	28 Oct 2024 12:43	SY/MD	Ok
9	P4578-05	VY020036.D	28 Oct 2024 13:06	SY/MD	ReRun
10	P4575-01	VY020037.D	28 Oct 2024 13:52	SY/MD	ReRun
11	P4574-04	VY020038.D	28 Oct 2024 14:16	SY/MD	Ok
12	P4574-01	VY020039.D	28 Oct 2024 15:15	SY/MD	Ok
13	P4577-01	VY020040.D	28 Oct 2024 15:41	SY/MD	Ok
14	P4561-03	VY020041.D	28 Oct 2024 16:05	SY/MD	Ok
15	P4561-07	VY020042.D	28 Oct 2024 16:28	SY/MD	ReRun
16	P4567-11	VY020043.D	28 Oct 2024 17:05	SY/MD	Ok
17	P4567-07	VY020044.D	28 Oct 2024 17:28	SY/MD	Ok
18	P4567-03	VY020045.D	28 Oct 2024 17:51	SY/MD	Ok
19	VSTDCCC050	VY020046.D	28 Oct 2024 18:14	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:30:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:22:48 PM		
SubDirectory	VY102924	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131166
Initial Calibration Stds	
CCC	VP131167,VP131168
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020048.D	29 Oct 2024 08:58	SY/MD	Ok
2	VSTDCCC050	VY020049.D	29 Oct 2024 09:31	SY/MD	Ok,M
3	VY1029SBL01	VY020050.D	29 Oct 2024 10:01	SY/MD	Ok
4	VY1029SBS01	VY020051.D	29 Oct 2024 11:04	SY/MD	Ok,M
5	VY1029SBS02	VY020052.D	29 Oct 2024 11:27	SY/MD	Not Ok
6	P4566-01	VY020053.D	29 Oct 2024 12:05	SY/MD	Ok
7	P4597-01	VY020054.D	29 Oct 2024 12:28	SY/MD	Ok
8	P4575-01RE	VY020055.D	29 Oct 2024 12:52	SY/MD	Confirms
9	P4597-07	VY020056.D	29 Oct 2024 13:15	SY/MD	Not Ok
10	P4597-10	VY020057.D	29 Oct 2024 13:38	SY/MD	Ok
11	P4598-07	VY020058.D	29 Oct 2024 14:02	SY/MD	Ok
12	P4598-03	VY020059.D	29 Oct 2024 14:25	SY/MD	Ok
13	P4561-07RE	VY020060.D	29 Oct 2024 14:49	SY/MD	Confirms
14	P4597-04	VY020061.D	29 Oct 2024 15:12	SY/MD	Ok
15	P4578-05	VY020062.D	29 Oct 2024 15:36	SY/MD	Ok
16	P4578-03RE	VY020063.D	29 Oct 2024 15:59	SY/MD	Not Ok
17	P4598-11	VY020064.D	29 Oct 2024 16:22	SY/MD	Ok
18	P4595-05	VY020065.D	29 Oct 2024 16:46	SY/MD	Ok
19	P4594-19	VY020066.D	29 Oct 2024 17:09	SY/MD	Ok
20	P4594-11	VY020067.D	29 Oct 2024 17:33	SY/MD	Ok
21	P4594-03	VY020068.D	29 Oct 2024 17:56	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:30:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:22:48 PM		
SubDirectory	VY102924	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131166
Initial Calibration Stds	
CCC	VP131167,VP131168
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4594-07	VY020069.D	29 Oct 2024 18:19	SY/MD	ReRun
23	P4594-15	VY020070.D	29 Oct 2024 18:43	SY/MD	ReRun
24	VY1029SBS03	VY020071.D	29 Oct 2024 19:06	SY/MD	Not Ok
25	VY1029SBSD01	VY020072.D	29 Oct 2024 19:28	SY/MD	Ok,M
26	VSTDCCC050	VY020073.D	29 Oct 2024 19:51	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM		
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043555.D	28 Oct 2024 10:09		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX043556.D	28 Oct 2024 10:59	Method pass	JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX043557.D	28 Oct 2024 11:22	8260D	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX043558.D	28 Oct 2024 11:45		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX043559.D	28 Oct 2024 12:08		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX043560.D	28 Oct 2024 12:31		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX043561.D	28 Oct 2024 12:54		JC/MD	Ok,M
8	VIBLK	VIBLK	VX043562.D	28 Oct 2024 14:04		JC/MD	Ok
9	VSTDICV050	ICVVX102824	VX043563.D	28 Oct 2024 14:27		JC/MD	Ok,M
10	VX1028MBL01	VX1028MBL01	VX043564.D	28 Oct 2024 15:02	Internal standard fail	JC/MD	Not Ok
11	VX1028WBL01	VX1028WBL01	VX043565.D	28 Oct 2024 15:52		JC/MD	Ok
12	VX1028WBS01	VX1028WBS01	VX043566.D	28 Oct 2024 16:28		JC/MD	Ok,M
13	VX1028WBSD01	VX1028WBSD01	VX043567.D	28 Oct 2024 16:51		JC/MD	Ok,M
14	PB164394TB	PB164394TB	VX043568.D	28 Oct 2024 17:14	pH#5.0 A	JC/MD	Ok
15	PB164394ZHE#01	PB164394ZHE#01	VX043569.D	28 Oct 2024 17:38	pH#5.0 A	JC/MD	Ok
16	PB164394ZHE#02	PB164394ZHE#02	VX043570.D	28 Oct 2024 18:01	pH#5.0 A	JC/MD	Ok
17	PB164394ZHE#03	PB164394ZHE#03	VX043571.D	28 Oct 2024 18:24	pH#5.0 A	JC/MD	Ok
18	PB164394ZHE#04	PB164394ZHE#04	VX043572.D	28 Oct 2024 18:47	pH#5.0 A	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:19:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:21:34 PM		
SubDirectory	VX102824	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131142
Initial Calibration Stds	VP131143,VP131144,VP131145,VP131147,VP131148,VP131149
CCC	VP131151,VP131152
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131150
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PB164394ZHE#05	PB164394ZHE#05	VX043573.D	28 Oct 2024 19:10	pH#5.0 A	JC/MD	Ok
20	PB164394ZHE#06	PB164394ZHE#06	VX043574.D	28 Oct 2024 19:33	pH#5.0 A	JC/MD	Ok
21	PB164394ZHE#07	PB164394ZHE#07	VX043575.D	28 Oct 2024 19:56	pH#5.0 A	JC/MD	Ok
22	PB164394ZHE#08	PB164394ZHE#08	VX043576.D	28 Oct 2024 20:19	pH#5.0 A	JC/MD	Ok
23	PB164394ZHE#09	PB164394ZHE#09	VX043577.D	28 Oct 2024 20:42	pH#5.0 A	JC/MD	Ok
24	PB164394ZHE#10	PB164394ZHE#10	VX043578.D	28 Oct 2024 21:05	pH#5.0 A	JC/MD	Ok
25	PB164394ZHE#11	PB164394ZHE#11	VX043579.D	28 Oct 2024 21:28	pH#5.0 A	JC/MD	Ok
26	PB164394ZHE#12	PB164394ZHE#12	VX043580.D	28 Oct 2024 21:52	pH#5.0 A	JC/MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VX043581.D	28 Oct 2024 22:15	out of tune time	JC/MD	Not Ok

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM		
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX043582.D	29 Oct 2024 08:30		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX043583.D	29 Oct 2024 09:29		JC/MD	Ok,M
3	VX1029MBL01	VX1029MBL01	VX043584.D	29 Oct 2024 10:06		JC/MD	Ok
4	VX1029WBL01	VX1029WBL01	VX043585.D	29 Oct 2024 10:31		JC/MD	Ok
5	VX1029WBS01	VX1029WBS01	VX043586.D	29 Oct 2024 10:57		JC/MD	Ok,M
6	VX1029WBSD01	VX1029WBSD01	VX043587.D	29 Oct 2024 11:20		JC/MD	Ok,M
7	VIBLK	VIBLK	VX043588.D	29 Oct 2024 11:43		JC/MD	Ok
8	P4596-07	TOTE-WATER-COMP	VX043589.D	29 Oct 2024 12:10		JC/MD	Ok,M
9	VIBLK	VIBLK	VX043590.D	29 Oct 2024 12:33		JC/MD	Ok
10	P4578-09	TB-10252024	VX043591.D	29 Oct 2024 12:56	vial A pH<2 TB	JC/MD	Ok
11	P4548-09	TRIP BLANK	VX043592.D	29 Oct 2024 13:19	vial A pH<2 TB	JC/MD	Ok
12	P4548-01	MW-1	VX043593.D	29 Oct 2024 13:43	vial A pH<2	JC/MD	Ok
13	P4548-03	MW-2	VX043594.D	29 Oct 2024 14:06	vial A pH<2	JC/MD	Ok
14	P4548-05	MW-3	VX043595.D	29 Oct 2024 14:29	vial A pH<2	JC/MD	Ok
15	P4548-07	MW-4	VX043596.D	29 Oct 2024 14:52	vial A pH<2	JC/MD	Ok
16	P4578-01	WB-305-SW	VX043597.D	29 Oct 2024 15:15	vial A pH<2	JC/MD	Ok
17	P4578-02	WB-305-SW-1	VX043598.D	29 Oct 2024 15:38	vial A pH<2	JC/MD	Ok
18	P4600-01	BP-VPB-190-TB-20241	VX043599.D	29 Oct 2024 16:01	vial A pH<2 TB	JC/MD	Ok

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:31:42 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:24:02 PM		
SubDirectory	VX102924	HP Acquire Method	MSVOA_X	HP Processing Method	82x102824w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131169
Initial Calibration Stds	
CCC	VP131171,VP131172
Internal Standard/PEM	VP128298
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4600-02	BP-VPB-190-DUP-2024	VX043600.D	29 Oct 2024 16:24	vial A pH<2	JC/MD	Ok
20	P4600-03	BP-VPB-190-GW-438-4	VX043601.D	29 Oct 2024 16:48	vial A pH<2	JC/MD	Ok
21	P4600-04	BP-VPB-190-GW-458-4	VX043602.D	29 Oct 2024 17:11	vial A pH<2	JC/MD	Ok
22	P4600-05	BP-VPB-190-GW-478-4	VX043603.D	29 Oct 2024 17:34	vial A pH<2 Internal standard fail	JC/MD	ReRun
23	P4600-06	BP-VPB-190-GW-498-5	VX043604.D	29 Oct 2024 17:57	vial A pH<2	JC/MD	Ok
24	P4600-07	BP-VPB-190-GW-518-5	VX043605.D	29 Oct 2024 18:20	vial A pH<2	JC/MD	Ok
25	P4562-01	Storage-Blank-SOIL-RE	VX043606.D	29 Oct 2024 18:43	vial A pH<2	JC/MD	Ok
26	P4562-01	Storage-Blank-SOIL-RE	VX043607.D	29 Oct 2024 19:06	vial A pH<2 Hit of com# 3	JC/MD	ReRun
27	VSTDCCC050	VSTDCCC050EC	VX043608.D	29 Oct 2024 19:29		JC/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100924

Review By	Mahesh Dadoda	Review On	10/10/2024 10:09:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/10/2024 10:11:49 PM		
SubDirectory	VY100924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130736
Initial Calibration Stds	VP130737,VP130738,VP130739,VP130740,VP130741,VP130742
CCC	VP130744,VP130745
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130746
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019826.D	09 Oct 2024 09:33		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY019827.D	09 Oct 2024 10:18		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY019828.D	09 Oct 2024 10:41		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY019829.D	09 Oct 2024 11:04		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY019830.D	09 Oct 2024 11:26	Comp. #11 is on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY019831.D	09 Oct 2024 11:49		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY019832.D	09 Oct 2024 12:11		SY/MD	Ok,M
8	VIBLK	VIBLK	VY019833.D	09 Oct 2024 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY100924	VY019834.D	09 Oct 2024 15:25		SY/MD	Ok,M
10	VY1009SBL01	VY1009SBL01	VY019835.D	09 Oct 2024 16:11		SY/MD	Ok
11	VY1009SBS01	VY1009SBS01	VY019836.D	09 Oct 2024 16:41		SY/MD	Ok,M
12	VY1009SBSD01	VY1009SBSD01	VY019837.D	09 Oct 2024 17:04		SY/MD	Ok,M
13	P4343-01	EO-03-100724	VY019838.D	09 Oct 2024 17:27	vial-B Not purged	SY/MD	Not Ok
14	P4353-02	CF-400-VOC-43	VY019839.D	09 Oct 2024 17:51	vial-A	SY/MD	Ok
15	P4359-01	EXCAVATION-SOIL	VY019840.D	09 Oct 2024 18:14	vial-A	SY/MD	Ok
16	P4344-01	TR-05-100724	VY019841.D	09 Oct 2024 18:38	vial-B	SY/MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VY019842.D	09 Oct 2024 19:00		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:18:01 PM
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:20:22 PM
SubDirectory	VY102824	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP131128
Initial Calibration Stds	
CCC	VP131160,VP131161
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020028.D	28 Oct 2024 08:55		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020029.D	28 Oct 2024 09:29		SY/MD	Ok,M
3	VY1028SBL01	VY1028SBL01	VY020030.D	28 Oct 2024 09:58		SY/MD	Ok
4	VY1028SBS01	VY1028SBS01	VY020031.D	28 Oct 2024 10:40		SY/MD	Ok,M
5	VY1028SBSD01	VY1028SBSD01	VY020032.D	28 Oct 2024 11:02		SY/MD	Ok,M
6	P4578-03	WB-305-TOP	VY020033.D	28 Oct 2024 11:56	vial-A Internal Standard Fail	SY/MD	Ok
7	P4578-04	WB-305-TOP-1	VY020034.D	28 Oct 2024 12:19	vial-A	SY/MD	Ok
8	P4578-07	WB-305-BOT-1	VY020035.D	28 Oct 2024 12:43	vial-A	SY/MD	Ok
9	P4578-05	WB-305-BOT	VY020036.D	28 Oct 2024 13:06	vial-A Internal Standard Fail	SY/MD	ReRun
10	P4575-01	PL-02-102424	VY020037.D	28 Oct 2024 13:52	vial-A Internal Standard Fail	SY/MD	ReRun
11	P4574-04	GRAVEL-2	VY020038.D	28 Oct 2024 14:16	vial-A	SY/MD	Ok
12	P4574-01	GRAVEL-1	VY020039.D	28 Oct 2024 15:15	vial-A	SY/MD	Ok
13	P4577-01	TR-05-102524	VY020040.D	28 Oct 2024 15:41	vial-A	SY/MD	Ok
14	P4561-03	BP-F-19-VOC	VY020041.D	28 Oct 2024 16:05	vial-A	SY/MD	Ok
15	P4561-07	BP-F-18-VOC	VY020042.D	28 Oct 2024 16:28	vial-A Internal Standard Fail	SY/MD	ReRun
16	P4567-11	WC-3-VOC	VY020043.D	28 Oct 2024 17:05	vial-A	SY/MD	Ok
17	P4567-07	WC-2-VOC	VY020044.D	28 Oct 2024 17:28	vial-A	SY/MD	Ok
18	P4567-03	WC-1-VOC	VY020045.D	28 Oct 2024 17:51	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102824

Review By	Mahesh Dadoda	Review On	10/29/2024 12:18:01 PM
Supervise By	Semsettin Yesilyurt	Supervise On	10/29/2024 12:20:22 PM
SubDirectory	VY102824	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	VP131128
Initial Calibration Stds	
CCC	VP131160,VP131161
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VY020046.D	28 Oct 2024 18:14		SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:30:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:22:48 PM		
SubDirectory	VY102924	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131166
Initial Calibration Stds	
CCC	VP131167,VP131168
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020048.D	29 Oct 2024 08:58		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020049.D	29 Oct 2024 09:31		SY/MD	Ok,M
3	VY1029SBL01	VY1029SBL01	VY020050.D	29 Oct 2024 10:01		SY/MD	Ok
4	VY1029SBS01	VY1029SBS01	VY020051.D	29 Oct 2024 11:04		SY/MD	Ok,M
5	VY1029SBS02	VY1029SBS02	VY020052.D	29 Oct 2024 11:27	Not req.	SY/MD	Not Ok
6	P4566-01	HD-01-102524	VY020053.D	29 Oct 2024 12:05	vial-A	SY/MD	Ok
7	P4597-01	RED-1-1	VY020054.D	29 Oct 2024 12:28	vial-A	SY/MD	Ok
8	P4575-01RE	PL-02-102424RE	VY020055.D	29 Oct 2024 12:52	vial-B ISTD Fail	SY/MD	Confirms
9	P4597-07	BLUE-2-1	VY020056.D	29 Oct 2024 13:15	vial-A NOT PURGE	SY/MD	Not Ok
10	P4597-10	BLUE-2-2	VY020057.D	29 Oct 2024 13:38	vial-A	SY/MD	Ok
11	P4598-07	BP-F11-VOC	VY020058.D	29 Oct 2024 14:02	vial-A	SY/MD	Ok
12	P4598-03	BP-F12-VOC	VY020059.D	29 Oct 2024 14:25	vial-A	SY/MD	Ok
13	P4561-07RE	BP-F-18-VOCRE	VY020060.D	29 Oct 2024 14:49	vial-B Internal Standard Fail	SY/MD	Confirms
14	P4597-04	RED-1-2	VY020061.D	29 Oct 2024 15:12	vial-A	SY/MD	Ok
15	P4578-05	WB-305-BOT	VY020062.D	29 Oct 2024 15:36	vial-B	SY/MD	Ok
16	P4578-03RE	WB-305-TOPRE	VY020063.D	29 Oct 2024 15:59	vial-B Internal Standard Fail; Not match with first run	SY/MD	Not Ok
17	P4598-11	TP-8-VOC	VY020064.D	29 Oct 2024 16:22	vial-A	SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY102924

Review By	Semsettin Yesilyurt	Review On	10/30/2024 11:30:55 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/30/2024 1:22:48 PM		
SubDirectory	VY102924	HP Acquire Method		HP Processing Method	82y100924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131166
Initial Calibration Stds	
CCC	VP131167,VP131168
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4595-05	PITKIN-GRAB	VY020065.D	29 Oct 2024 16:46	vial-A	SY/MD	Ok
19	P4594-19	BP-F15-VOC	VY020066.D	29 Oct 2024 17:09	vial-A	SY/MD	Ok
20	P4594-11	BP-F16-VOC	VY020067.D	29 Oct 2024 17:33	vial-A	SY/MD	Ok
21	P4594-03	TP-4-VOC	VY020068.D	29 Oct 2024 17:56	vial-A	SY/MD	Ok
22	P4594-07	BP-F17-VOC	VY020069.D	29 Oct 2024 18:19	vial-A Internal Standard Fail	SY/MD	ReRun
23	P4594-15	TP-5-VOC	VY020070.D	29 Oct 2024 18:43	vial-A Internal Standard Fail	SY/MD	ReRun
24	VY1029SBS03	VY1029SBS03	VY020071.D	29 Oct 2024 19:06	Not req.	SY/MD	Not Ok
25	VY1029SBSD01	VY1029SBSD01	VY020072.D	29 Oct 2024 19:28		SY/MD	Ok,M
26	VSTDCCC050	VSTDCCC050EC	VY020073.D	29 Oct 2024 19:51		SY/MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	P4578	**OrderDate:**	10/25/2024 3:58:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	K63,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4578-01	**WB-305-SW**	**Water**			**10/25/24**			**10/25/24**
			VOC-TCLVOA-10	8260-Low			10/29/24	
P4578-02	**WB-305-SW-1**	**Water**			**10/25/24**			**10/25/24**
			VOC-TCLVOA-10	8260-Low			10/29/24	
P4578-03	**WB-305-TOP**	**SOIL**			**10/25/24**			**10/25/24**
			VOC-TCLVOA-10	8260D			10/28/24	
P4578-04	**WB-305-TOP-1**	**SOIL**			**10/25/24**			**10/25/24**
			VOC-TCLVOA-10	8260D			10/28/24	
P4578-05	**WB-305-BOT**	**SOIL**			**10/25/24**			**10/25/24**
			VOC-TCLVOA-10	8260D			10/29/24	
P4578-06	**WB-305-BOT**	**TCLP**			**10/25/24**			**10/25/24**
			TCLP VOA	8260D			10/29/24	
P4578-07	**WB-305-BOT-1**	**SOIL**			**10/25/24**			**10/25/24**
			VOC-TCLVOA-10	8260D			10/28/24	
P4578-08	**WB-305-BOT-1**	**TCLP**			**10/25/24**			**10/25/24**
			TCLP VOA	8260D			10/29/24	
P4578-09	**TB-10252024**	**Water**			**10/25/24**			**10/25/24**
			VOC-TCLVOA-10	8260-Low			10/29/24	

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020063.D
Acq On : 29 Oct 2024 15:59
Operator : SY/MD
Sample : P4578-03RE
Misc : 7.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOPRE

Quant Time: Oct 30 06:36:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	25467	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	44048	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	31461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	8551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	12699	40.498	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 81.000%			
35) Dibromofluoromethane	7.634	113	14014	48.213	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.420%			
50) Toluene-d8	10.103	98	50490	47.038	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.080%			
62) 4-Bromofluorobenzene	12.402	95	10871	28.029	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 56.060%			
Target Compounds						Qvalue
16) Acetone	3.854	43	1927	23.607	ug/l #	63
17) Carbon Disulfide	4.116	76	2758	3.766	ug/l	100
18) Methyl Acetate	4.391	43	903	5.135	ug/l #	51
22) Diisopropyl ether	6.031	45	3041	2.832	ug/l #	64
49) 1,4-Dioxane	9.219	88	272	140.226	ug/l #	99
84) 1,2,4-Trimethylbenzene	13.042	105	1748	3.035	ug/l	65
89) n-Butylbenzene	13.615	91	1192	1.934	ug/l #	63

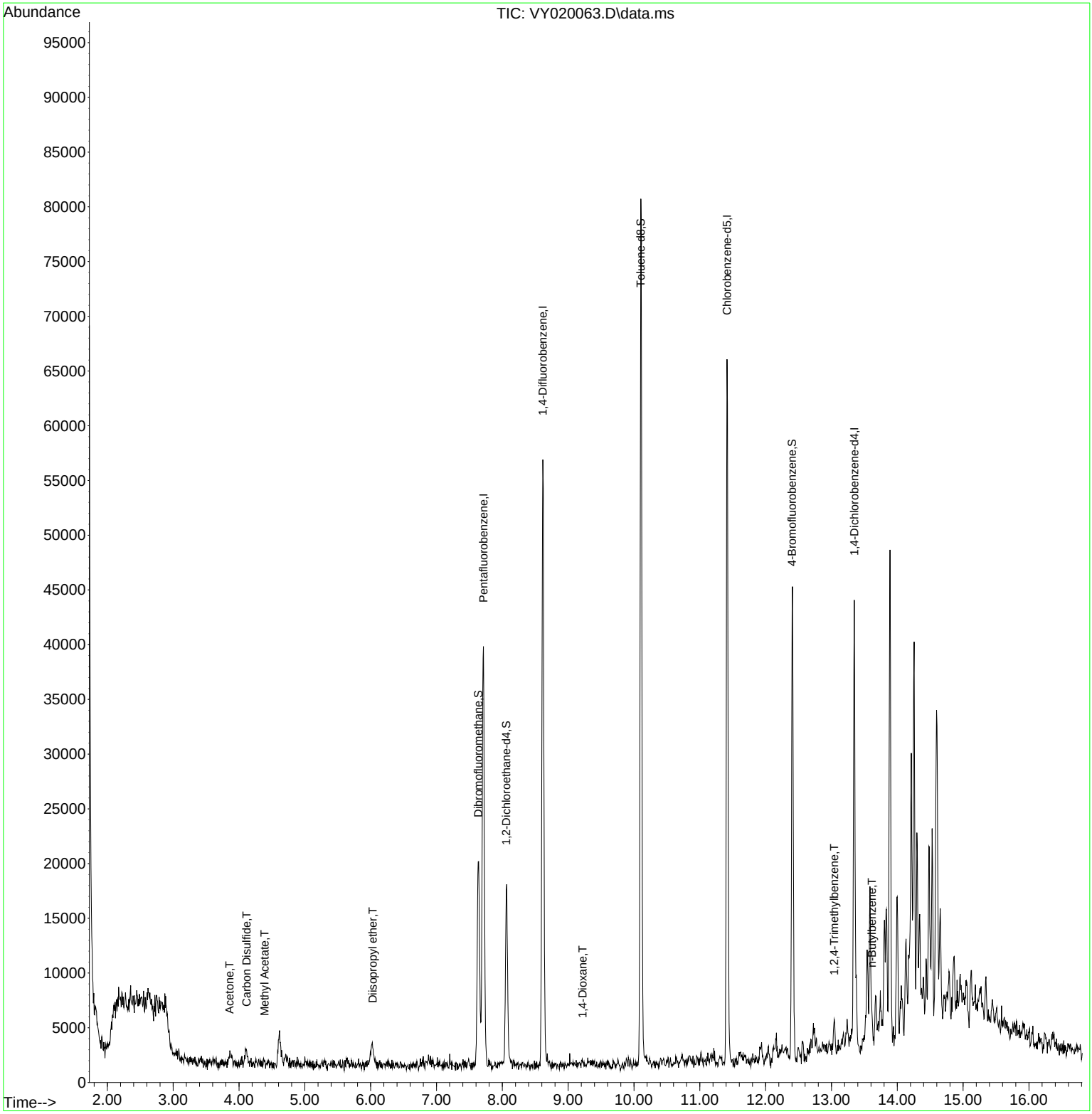
(#) = qualifier out of range (m) = manual integration (+) = signals summed

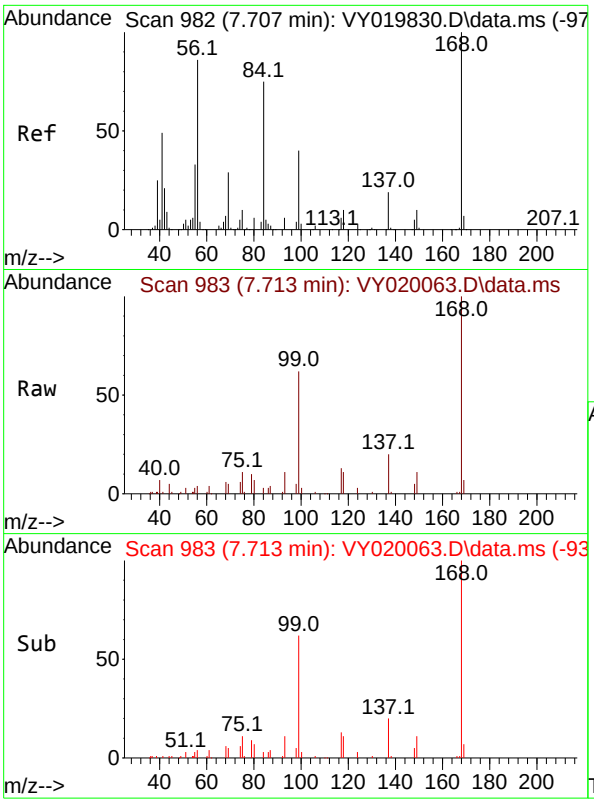
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102924\
Data File : VY020063.D
Acq On : 29 Oct 2024 15:59
Operator : SY/MD
Sample : P4578-03RE
Misc : 7.80g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOPRE

Quant Time: Oct 30 06:36:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration



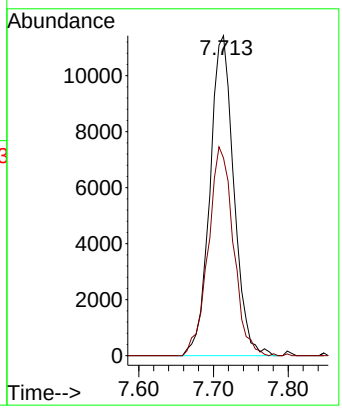


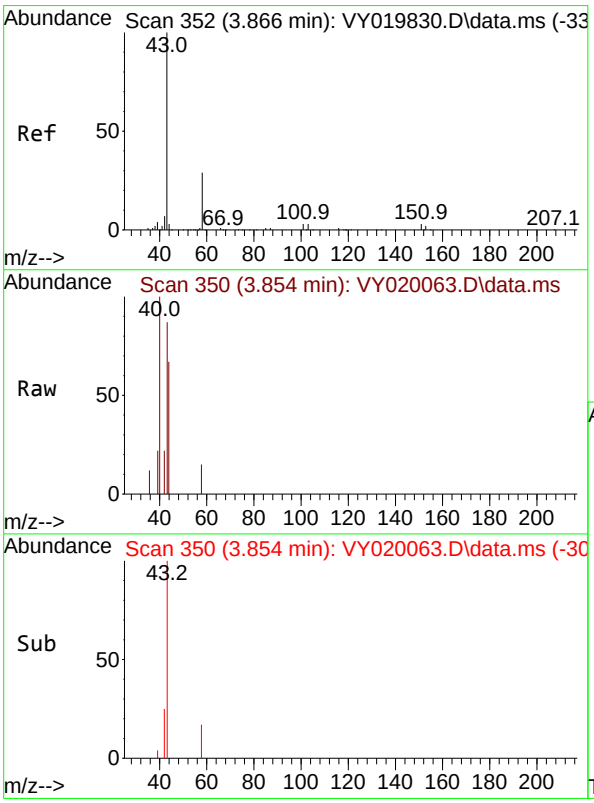
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOPRE

Tgt Ion:168 Resp: 25467

Ion	Ratio	Lower	Upper
168	100		
99	61.8	39.1	58.7#

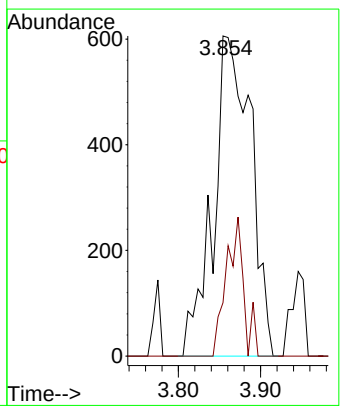


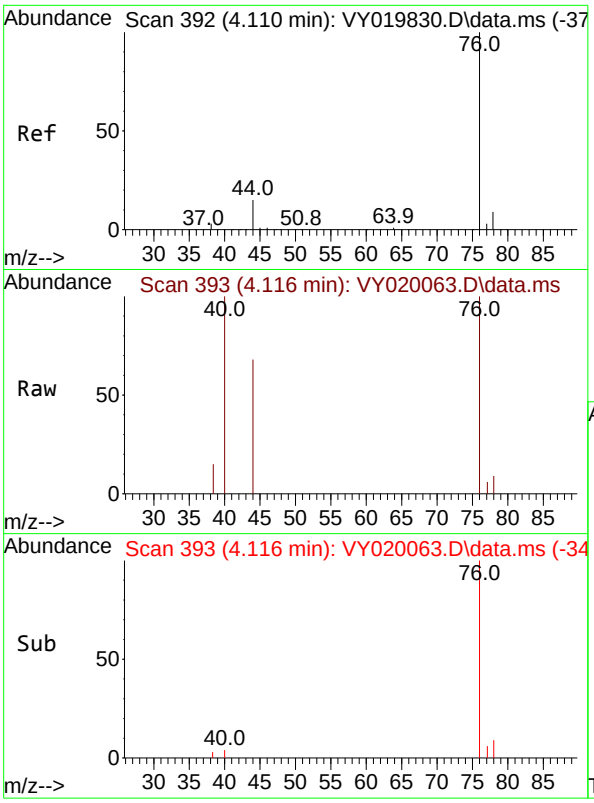


#16
Acetone
Concen: 23.607 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.018 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Tgt Ion: 43 Resp: 1927

Ion	Ratio	Lower	Upper
43	100		
58	16.7	31.7	47.5#



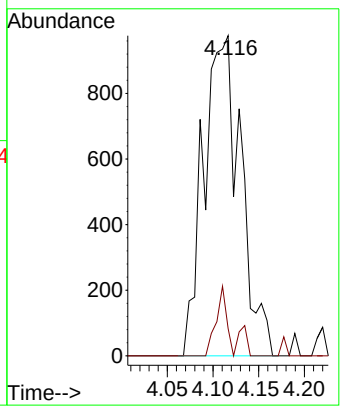


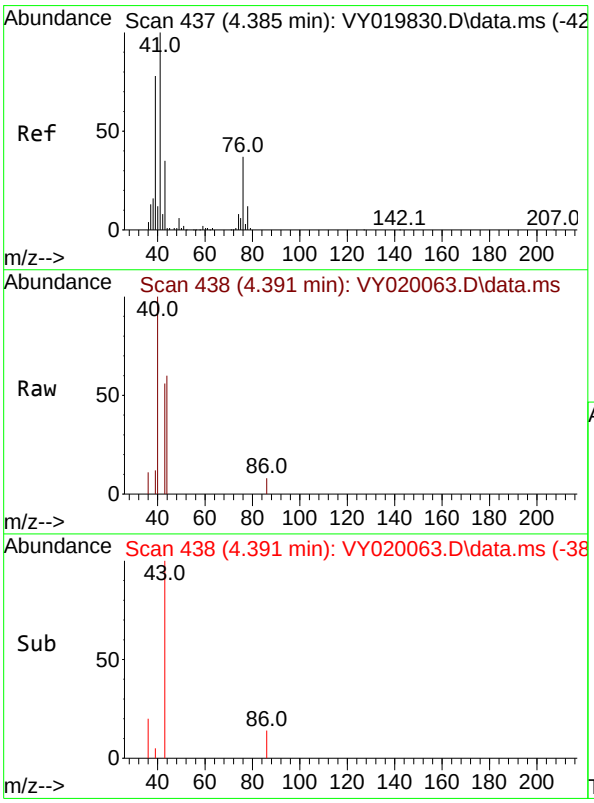
#17
Carbon Disulfide
Concen: 3.766 ug/l
RT: 4.116 min Scan# 3
Delta R.T. 0.013 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOPRE

Tgt Ion: 76 Resp: 2758

Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.8	10.2

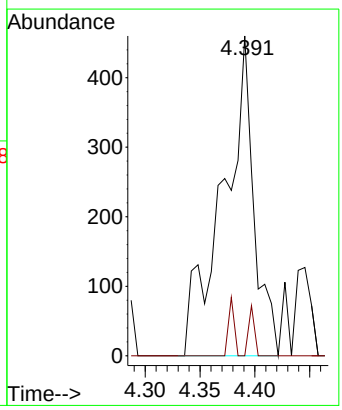


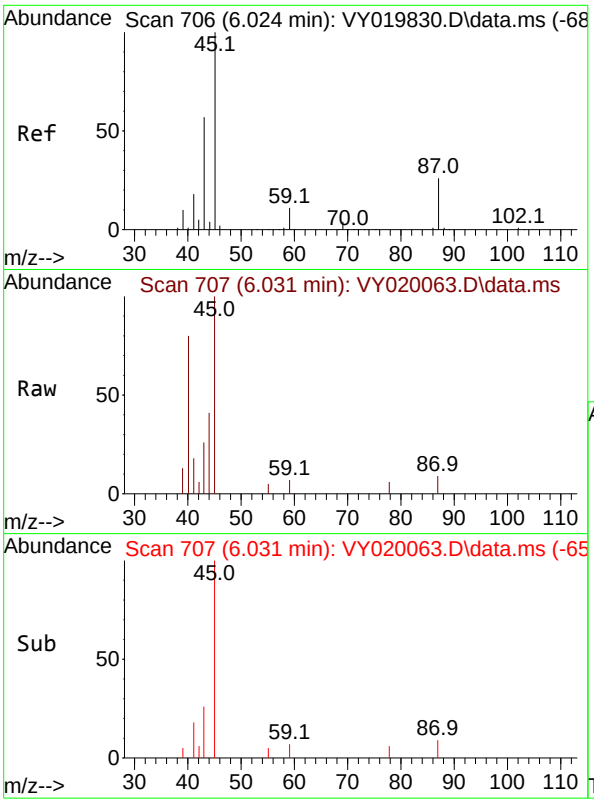


#18
Methyl Acetate
Concen: 5.135 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Tgt Ion: 43 Resp: 903

Ion	Ratio	Lower	Upper
43	100		
74	2.9	23.3	34.9#



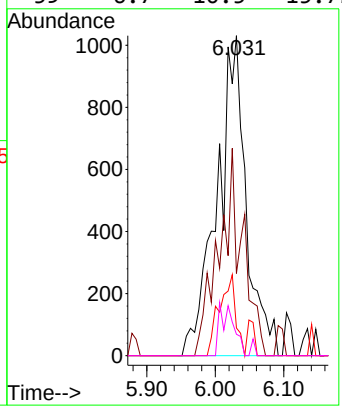


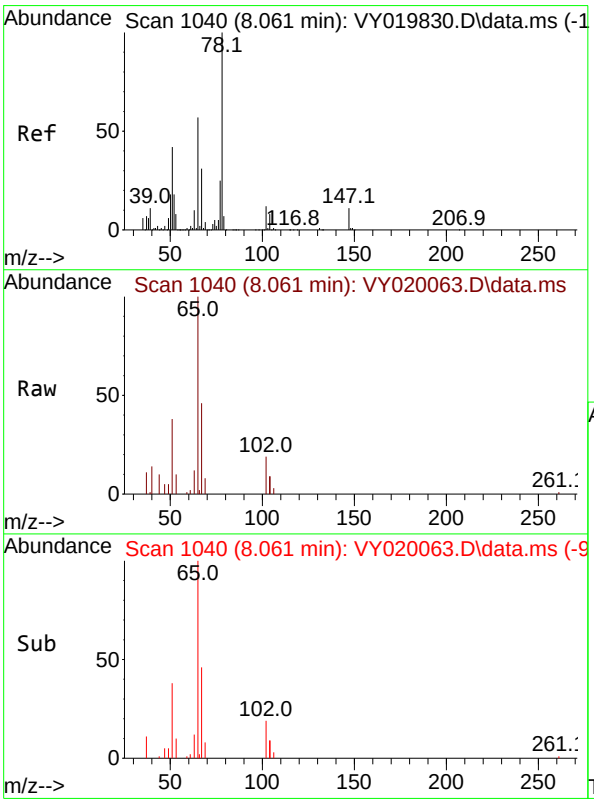
#22
Diisopropyl ether
Concen: 2.832 ug/l
RT: 6.031 min Scan# 7
Delta R.T. 0.013 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOPRE

Tgt Ion: 45 Resp: 3041

Ion	Ratio	Lower	Upper
45	100		
43	25.7	42.2	63.2#
87	8.6	25.0	37.6#
59	6.7	10.5	15.7#

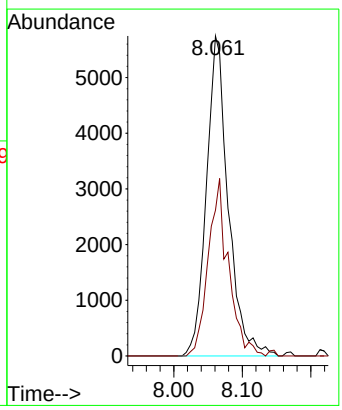


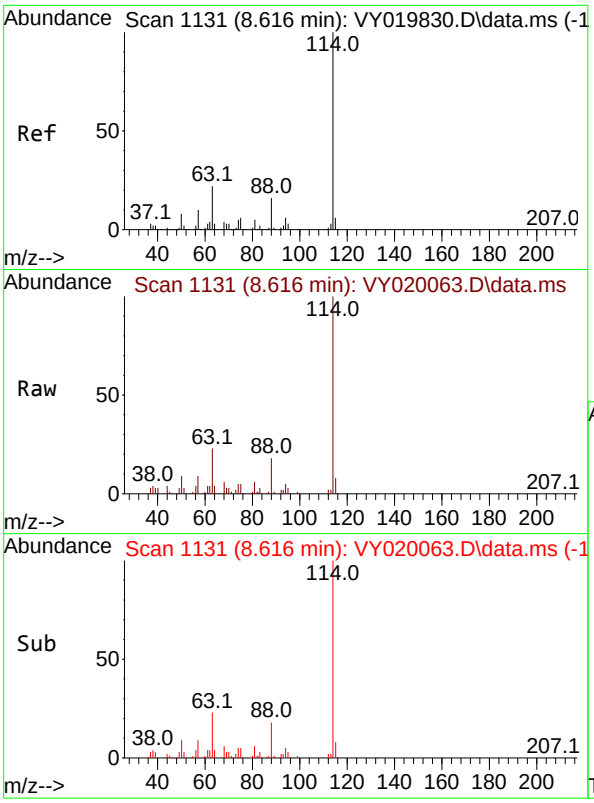


#33
1,2-Dichloroethane-d4
Concen: 40.498 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Tgt Ion: 65 Resp: 12699

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	109.6



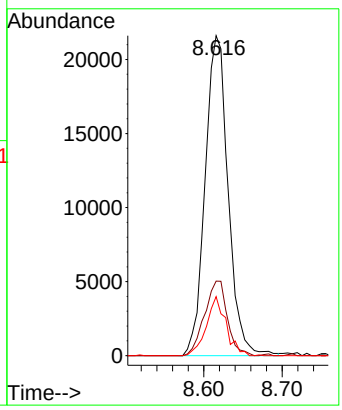


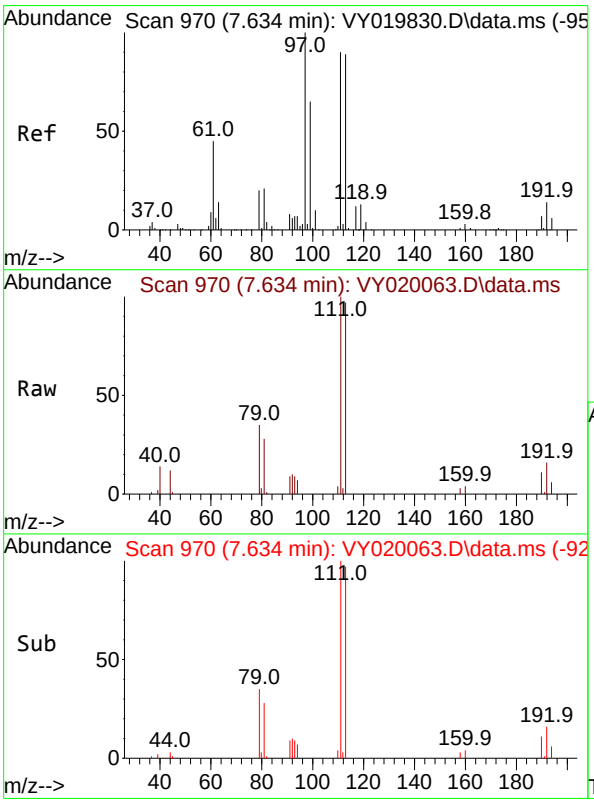
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOPRE

Tgt Ion:114 Resp: 44048

Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	35.0
88	18.4	0.0	27.2

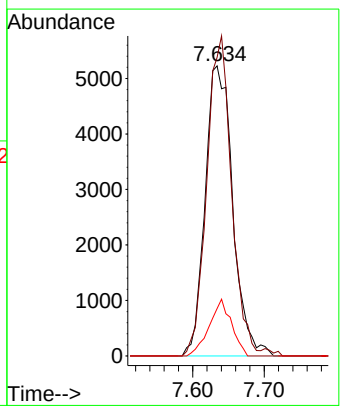


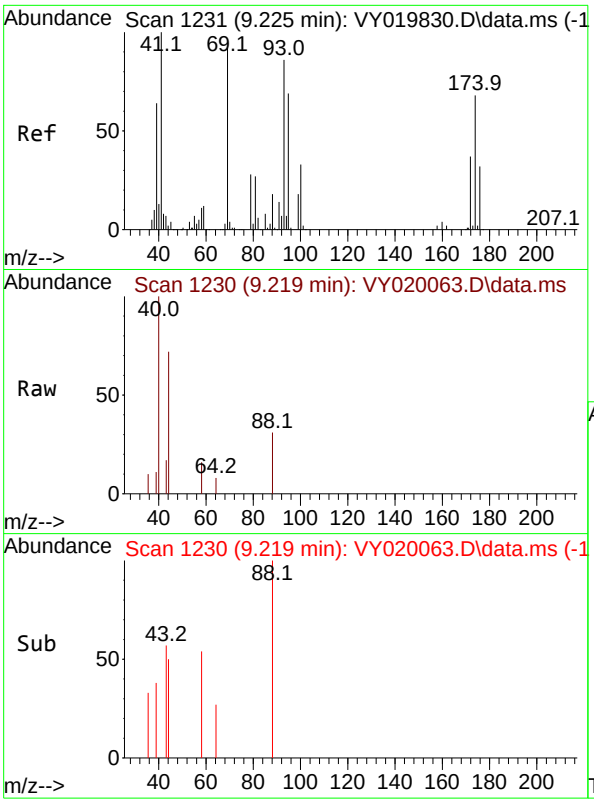


#35
Dibromofluoromethane
Concen: 48.213 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Tgt Ion:113 Resp: 14014

Ion	Ratio	Lower	Upper
113	100		
111	98.9	82.2	123.4
192	15.8	15.9	23.9#



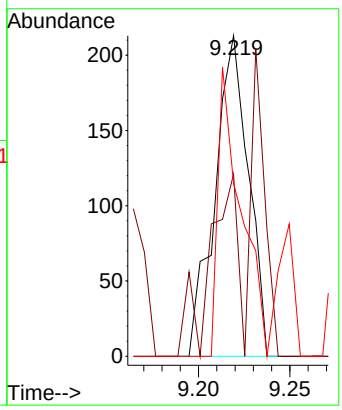


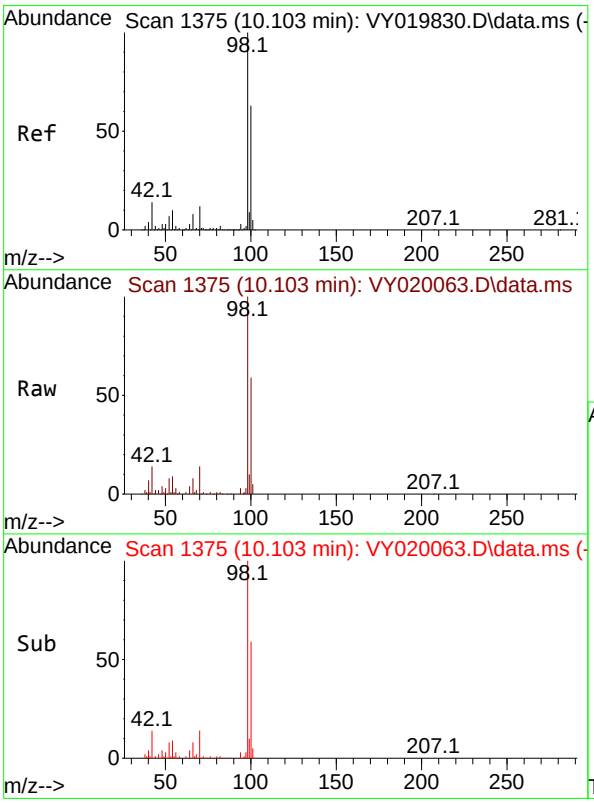
#49
1,4-Dioxane
Concen: 140.226 ug/l
RT: 9.219 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOPRE

Tgt Ion: 88 Resp: 272

Ion	Ratio	Lower	Upper
88	100		
43	47.8	0.0	0.0#
58	62.1	49.3	73.9

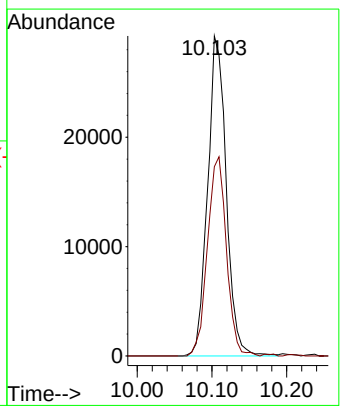


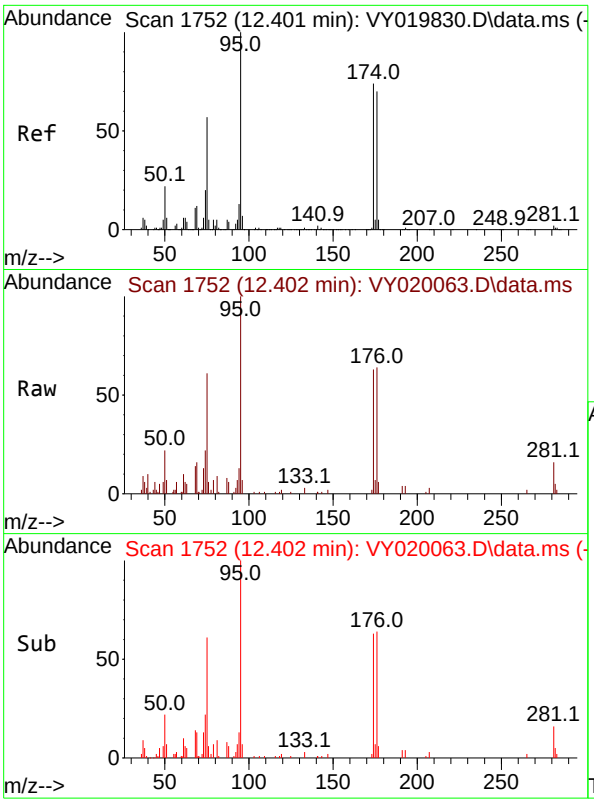


#50
Toluene-d8
Concen: 47.038 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Tgt Ion: 98 Resp: 50490

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.0	78.0



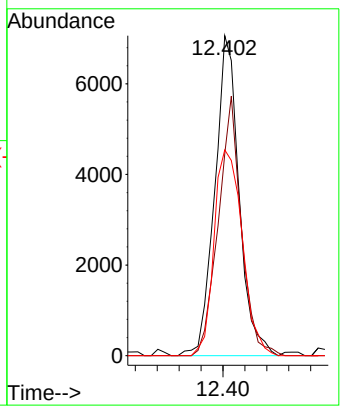


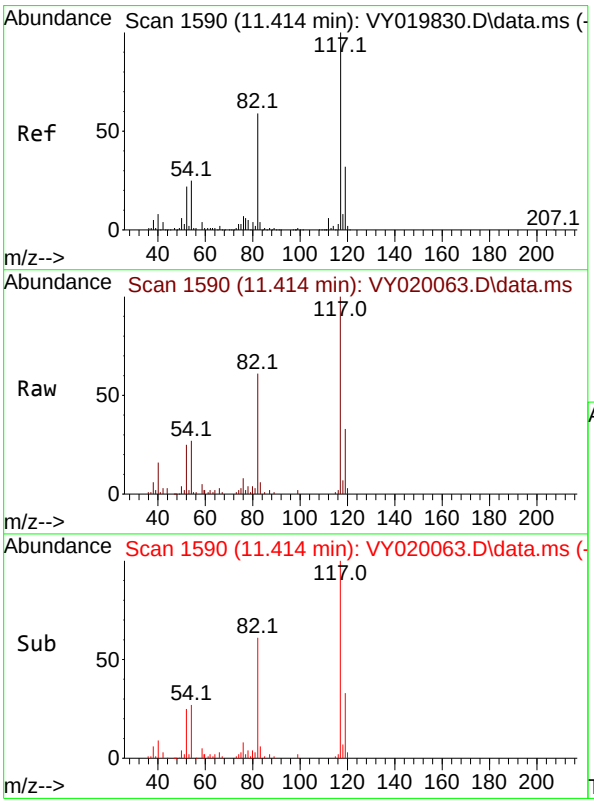
#62
4-Bromofluorobenzene
Concen: 28.029 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOPRE

Tgt Ion: 95 Resp: 10871

Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	175.6
176	74.6	0.0	171.4

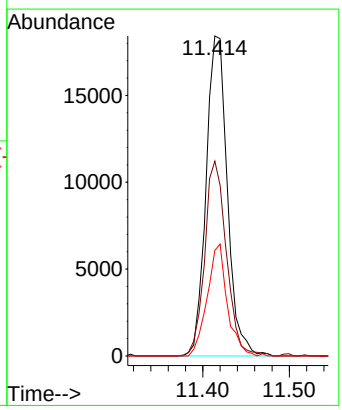


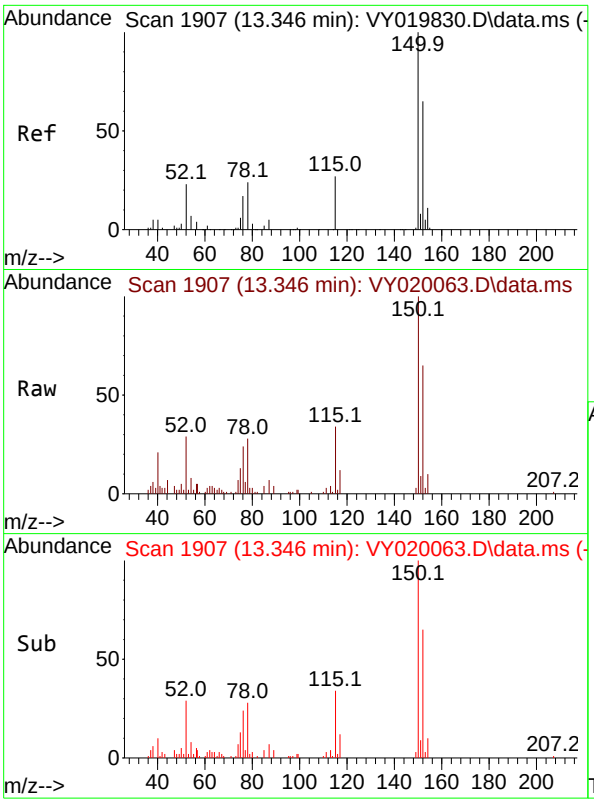


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Tgt Ion:117 Resp: 31461

Ion	Ratio	Lower	Upper
117	100		
82	60.9	42.4	63.6
119	33.0	25.9	38.9



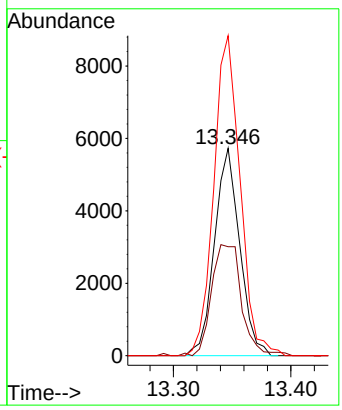


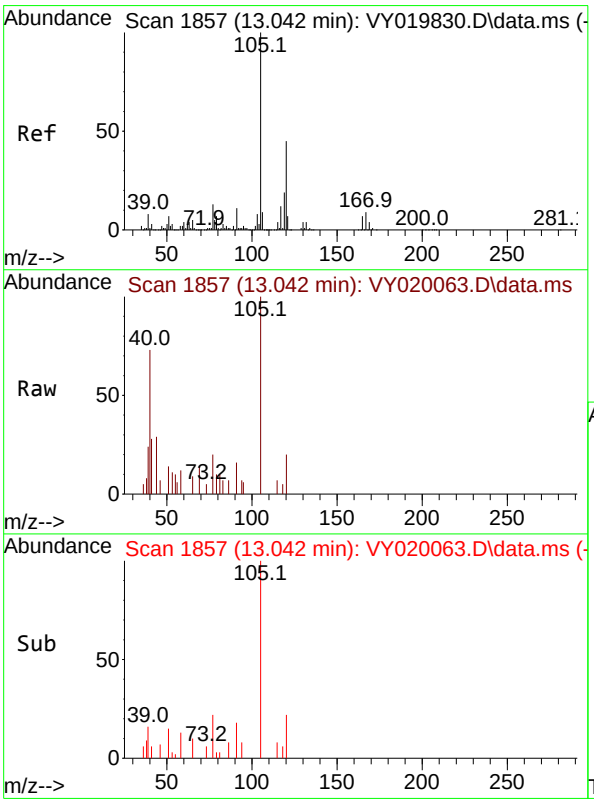
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOPRE

Tgt Ion:152 Resp: 8551

Ion	Ratio	Lower	Upper
152	100		
115	63.8	28.2	84.7
150	161.0	0.0	345.6

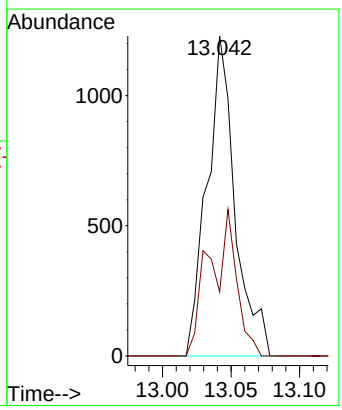


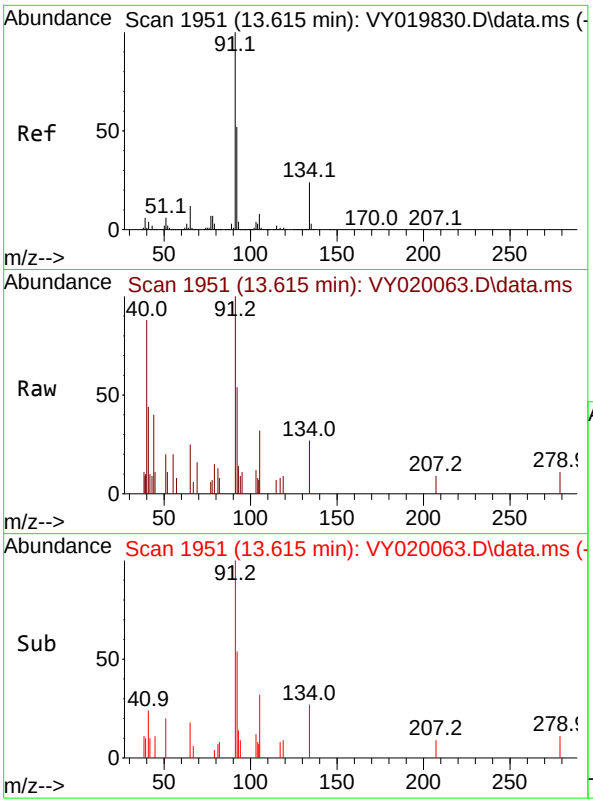


#84
1,2,4-Trimethylbenzene
Concen: 3.035 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Tgt Ion:105 Resp: 1748

Ion	Ratio	Lower	Upper
105	100		
120	23.2	23.2	69.6





#89
n-Butylbenzene
Concen: 1.934 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY020063.D
Acq: 29 Oct 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :
WB-305-TOPRE

Tgt Ion: 91 Resp: 1192

Ion	Ratio	Lower	Upper
91	100		
92	74.9	26.6	79.7
134	0.0	12.9	38.7#