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

Hit Summary Sheet
SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**WB-310-TOP**								
P4892-01	WB-310-TOP	SOIL	Acetone		110		7.10	28.3	ug/Kg
P4892-01	WB-310-TOP	SOIL	Carbon Disulfide		7.20		1.40	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	2-Butanone		40.3		6.40	28.3	ug/Kg
P4892-01	WB-310-TOP	SOIL	Methylcyclohexane		14.3		0.98	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	Benzene		22.6		0.81	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	Toluene		1.90	J	0.76	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	Chlorobenzene		1.70	J	0.84	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	Ethyl Benzene		1.20	J	0.70	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	m/p-Xylenes		11.5		1.50	11.3	ug/Kg
P4892-01	WB-310-TOP	SOIL	o-Xylene		17.2		0.79	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	Isopropylbenzene		1.50	J	0.76	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	1,3-Dichlorobenzene		5.90		0.84	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	1,4-Dichlorobenzene		6.10		0.91	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	1,2-Dichlorobenzene		2.10	J	0.67	5.70	ug/Kg
			Total Voc :		244				
P4892-01	WB-310-TOP	SOIL	unknown12.127	*	46.4	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	unknown12.164	*	59.6	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	unknown12.499	*	53.2	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	unknown12.658	*	77.6	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Pentane, 2,2,4-trimethyl-	*	30.0	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Benzene, (1-methyl-1-propenyl	*	28.0	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Cyclohexane, 1,2,4-trimethyl-	*	52.7	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Naphthalene, decahydro-2-metl	*	53.1	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Nonane, 3-methyl-	*	44.6	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	Decane, 3-methyl-	*	35.0	J	0	0	ug/Kg
P4892-01	WB-310-TOP	SOIL	n-propylbenzene	*	1.50	J	0.72	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	1,3,5-Trimethylbenzene	*	6.50	J	0.72	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	1,2,4-Trimethylbenzene	*	10.7	J	1.60	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	sec-Butylbenzene	*	1.40	J	0.76	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	p-Isopropyltoluene	*	2.80	J	0.66	5.70	ug/Kg
P4892-01	WB-310-TOP	SOIL	n-Butylbenzene	*	1.60	J	0.71	5.70	ug/Kg
			Total Tics :		505				
			Total Concentration:		748				
Client ID:	**WB-310-SW**								
P4892-04	WB-310-SW	Water	m/p-Xylenes		0.39	J	0.31	2.00	ug/L
			Total Voc :		0.39				

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Hit Summary Sheet
SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4892-04	WB-310-SW	Water	Acetic acid	* 7.60	J	0	0	ug/L
P4892-04	WB-310-SW	Water	1,2,4-Trimethylbenzene	* 0.52	J	0.18	1.00	ug/L
			Total Tics :	8.12				
			Total Concentration:	8.51				

SAMPLE DATA

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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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-TOP	SDG No.:	P4892
Lab Sample ID:	P4892-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	59.8
Sample Wt/Vol:	7.39 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
VY020395.D	1		11/21/24 18:27	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.70	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.70	ug/Kg
75-01-4	Vinyl Chloride	0.87	U	0.87	5.70	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.70	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.88	U	0.88	5.70	ug/Kg
67-64-1	Acetone	110		7.10	28.3	ug/Kg
75-15-0	Carbon Disulfide	7.20		1.40	5.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.76	U	0.76	5.70	ug/Kg
79-20-9	Methyl Acetate	2.00	U	2.00	5.70	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.3	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.71	U	0.71	5.70	ug/Kg
110-82-7	Cyclohexane	0.78	U	0.78	5.70	ug/Kg
78-93-3	2-Butanone	40.3		6.40	28.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.98	U	0.98	5.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.69	U	0.69	5.70	ug/Kg
74-97-5	Bromochloromethane	2.70	U	2.70	5.70	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	5.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.88	U	0.88	5.70	ug/Kg
108-87-2	Methylcyclohexane	14.3		0.98	5.70	ug/Kg
71-43-2	Benzene	22.6		0.81	5.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.69	U	0.69	5.70	ug/Kg
79-01-6	Trichloroethene	0.85	U	0.85	5.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	5.70	ug/Kg
75-27-4	Bromodichloromethane	0.63	U	0.63	5.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.90	U	4.90	28.3	ug/Kg
108-88-3	Toluene	1.90	J	0.76	5.70	ug/Kg

Raw Data: **VY020395.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-TOP	SDG No.:	P4892
Lab Sample ID:	P4892-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	59.8
Sample Wt/Vol:	7.39 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
VY020395.D	1		11/21/24 18:27	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.68	U	0.68	5.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.64	U	0.64	5.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.95	U	0.95	5.70	ug/Kg
591-78-6	2-Hexanone	5.40	U	5.40	28.3	ug/Kg
124-48-1	Dibromochloromethane	0.74	U	0.74	5.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.89	U	0.89	5.70	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.70	ug/Kg
108-90-7	Chlorobenzene	1.70	J	0.84	5.70	ug/Kg
100-41-4	Ethyl Benzene	1.20	J	0.70	5.70	ug/Kg
179601-23-1	m/p-Xylenes	11.5		1.50	11.3	ug/Kg
95-47-6	o-Xylene	17.2		0.79	5.70	ug/Kg
100-42-5	Styrene	0.68	U	0.68	5.70	ug/Kg
75-25-2	Bromoform	0.92	U	0.92	5.70	ug/Kg
98-82-8	Isopropylbenzene	1.50	J	0.76	5.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.90		0.84	5.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	6.10		0.91	5.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	2.10	J	0.67	5.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.89	U	0.89	5.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.88	U	0.88	5.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.0		70 (50) - 130 (163)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.9		70 (29) - 130 (146)	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	144000	7.713			
540-36-3	1,4-Difluorobenzene	282000	8.616			
3114-55-4	Chlorobenzene-d5	273000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-TOP	SDG No.:	P4892
Lab Sample ID:	P4892-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	59.8
Sample Wt/Vol:	7.39 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
VY020395.D	1		11/21/24 18:27	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000540-84-1	Pentane, 2,2,4-trimethyl-	30.0	J		8.25	ug/Kg
005911-04-6	Nonane, 3-methyl-	44.6	J		12.0	ug/Kg
	unknown12.127	46.4	J		12.1	ug/Kg
	unknown12.164	59.6	J		12.2	ug/Kg
	unknown12.499	53.2	J		12.5	ug/Kg
103-65-1	n-propylbenzene	1.50	J		12.6	ug/Kg
	unknown12.658	77.6	J		12.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	6.50	J		12.7	ug/Kg
002234-75-5	Cyclohexane, 1,2,4-trimethyl-	52.7	J		12.9	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	10.7	J		13.0	ug/Kg
013151-34-3	Decane, 3-methyl-	35.0	J		13.1	ug/Kg
135-98-8	sec-Butylbenzene	1.40	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	2.80	J		13.3	ug/Kg
104-51-8	n-Butylbenzene	1.60	J		13.6	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	53.1	J		14.2	ug/Kg
000767-99-7	Benzene, (1-methyl-1-propenyl)-, (	28.0	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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.1
Sample Wt/Vol:	8.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020406.D	1		11/22/24 12:01	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	3.40	ug/Kg
74-87-3	Chloromethane	0.79	U	0.79	3.40	ug/Kg
75-01-4	Vinyl Chloride	0.52	U	0.52	3.40	ug/Kg
74-83-9	Bromomethane	0.70	U	0.70	3.40	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.73	U	0.73	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.53	U	0.53	3.40	ug/Kg
67-64-1	Acetone	4.20	U	4.20	17.0	ug/Kg
75-15-0	Carbon Disulfide	0.87	U	0.87	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.45	U	0.45	3.40	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.40	ug/Kg
75-09-2	Methylene Chloride	2.30	U	2.30	6.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.57	U	0.57	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.43	U	0.43	3.40	ug/Kg
110-82-7	Cyclohexane	0.47	U	0.47	3.40	ug/Kg
78-93-3	2-Butanone	3.90	U	3.90	17.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.59	U	0.59	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.41	U	0.41	3.40	ug/Kg
74-97-5	Bromochloromethane	1.60	U	1.60	3.40	ug/Kg
67-66-3	Chloroform	0.45	U	0.45	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.53	U	0.53	3.40	ug/Kg
108-87-2	Methylcyclohexane	0.59	U	0.59	3.40	ug/Kg
71-43-2	Benzene	0.49	U	0.49	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.41	U	0.41	3.40	ug/Kg
79-01-6	Trichloroethene	0.51	U	0.51	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.45	U	0.45	3.40	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	0.38	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	17.0	ug/Kg
108-88-3	Toluene	0.45	U	0.45	3.40	ug/Kg

Raw Data: **VY020406.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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.1
Sample Wt/Vol:	8.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020406.D	1		11/22/24 12:01	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.41	U	0.41	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.39	U	0.39	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.57	U	0.57	3.40	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	17.0	ug/Kg
124-48-1	Dibromochloromethane	0.44	U	0.44	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.54	U	0.54	3.40	ug/Kg
127-18-4	Tetrachloroethene	0.60	U	0.60	3.40	ug/Kg
108-90-7	Chlorobenzene	0.50	U	0.50	3.40	ug/Kg
100-41-4	Ethyl Benzene	0.42	U	0.42	3.40	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	6.80	ug/Kg
95-47-6	o-Xylene	0.47	U	0.47	3.40	ug/Kg
100-42-5	Styrene	0.41	U	0.41	3.40	ug/Kg
75-25-2	Bromoform	0.55	U	0.55	3.40	ug/Kg
98-82-8	Isopropylbenzene	0.45	U	0.45	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.75	U	0.75	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.50	U	0.50	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.54	U	0.54	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.40	U	0.40	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.54	U	0.54	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.53	U	0.53	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.7		70 (50) - 130 (163)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 (54) - 130 (147)	96%	SPK: 50
2037-26-5	Toluene-d8	47.3		70 (58) - 130 (134)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		70 (29) - 130 (146)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	150000	7.713			
540-36-3	1,4-Difluorobenzene	284000	8.622			
3114-55-4	Chlorobenzene-d5	251000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	91200	13.353			

Raw Data: **VY020406.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-BOT	SDG No.:	P4892
Lab Sample ID:	P4892-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86.1
Sample Wt/Vol:	8.56 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020406.D	1		11/22/24 12:01	VY112224

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: **VN084984.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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-SW	SDG No.:	P4892
Lab Sample ID:	P4892-04	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084984.D	1		11/20/24 21:22	VN112024

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

Raw Data: **VN084984.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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-SW	SDG No.:	P4892
Lab Sample ID:	P4892-04	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084984.D	1		11/20/24 21:22	VN112024

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	0.39	J	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	UQ	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	UQ	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.0		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	45.9		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		70 (77) - 130 (121)	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	8.218			
540-36-3	1,4-Difluorobenzene	308000	9.1			
3114-55-4	Chlorobenzene-d5	262000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.794			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN084984.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:	11/15/24
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	11/15/24
Client Sample ID:	WB-310-SW	SDG No.:	P4892
Lab Sample ID:	P4892-04	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084984.D	1		11/20/24 21:22	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000064-19-7	Acetic acid	7.60	J		8.72	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.52	J		13.5	ug/L

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

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

QC SUMMARY

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

Surrogate Summary

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4892-01	WB-310-TOP	1,2-Dichloroethane-d4	50	61.0	122	70 (50)	130 (163)
		Dibromofluoromethane	50	50.7	101	70 (54)	130 (147)
		Toluene-d8	50	49.0	98	70 (58)	130 (134)
		4-Bromofluorobenzene	50	58.9	118	70 (29)	130 (146)
P4892-02	WB-310-BOT	1,2-Dichloroethane-d4	50	46.7	93	70 (50)	130 (163)
		Dibromofluoromethane	50	47.8	96	70 (54)	130 (147)
		Toluene-d8	50	47.3	95	70 (58)	130 (134)
		4-Bromofluorobenzene	50	45.9	92	70 (29)	130 (146)
VY1121SBL01	VY1121SBL01	1,2-Dichloroethane-d4	50	51.9	104	70 (50)	130 (163)
		Dibromofluoromethane	50	48.5	97	70 (54)	130 (147)
		Toluene-d8	50	48.2	96	70 (58)	130 (134)
		4-Bromofluorobenzene	50	47.3	95	70 (29)	130 (146)
VY1121SBS01	VY1121SBS01	1,2-Dichloroethane-d4	50	46.0	92	70 (50)	130 (163)
		Dibromofluoromethane	50	43.7	87	70 (54)	130 (147)
		Toluene-d8	50	43.4	87	70 (58)	130 (134)
		4-Bromofluorobenzene	50	45.0	90	70 (29)	130 (146)
VY1121SBSD01	VY1121SBSD01	1,2-Dichloroethane-d4	50	56.3	113	70 (50)	130 (163)
		Dibromofluoromethane	50	53.0	106	70 (54)	130 (147)
		Toluene-d8	50	52.8	106	70 (58)	130 (134)
		4-Bromofluorobenzene	50	55.2	110	70 (29)	130 (146)
VY1122SBL01	VY1122SBL01	1,2-Dichloroethane-d4	50	47.6	95	70 (50)	130 (163)
		Dibromofluoromethane	50	48.4	97	70 (54)	130 (147)
		Toluene-d8	50	47.6	95	70 (58)	130 (134)
		4-Bromofluorobenzene	50	45.3	91	70 (29)	130 (146)
VY1122SBS02	VY1122SBS02	1,2-Dichloroethane-d4	50	53.1	106	70 (50)	130 (163)
		Dibromofluoromethane	50	53.2	106	70 (54)	130 (147)
		Toluene-d8	50	52.9	106	70 (58)	130 (134)
		4-Bromofluorobenzene	50	54.6	109	70 (29)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4892-04	WB-310-SW	1,2-Dichloroethane-d4	50	53.0	106	70 (74)	130 (125)
		Dibromofluoromethane	50	47.5	95	70 (75)	130 (124)
		Toluene-d8	50	45.9	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	41.7	83	70 (77)	130 (121)
VN1120WBL01	VN1120WBL01	1,2-Dichloroethane-d4	50	51.1	102	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	46.1	92	70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.4	93	70 (77)	130 (121)
VN1120WBS02	VN1120WBS02	1,2-Dichloroethane-d4	50	46.9	94	70 (74)	130 (125)
		Dibromofluoromethane	50	48.3	97	70 (75)	130 (124)
		Toluene-d8	50	44.9	90	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.2	96	70 (77)	130 (121)
VN1120WBSD0	VN1120WBSD02	1,2-Dichloroethane-d4	50	51.7	103	70 (74)	130 (125)
		Dibromofluoromethane	50	50.6	101	70 (75)	130 (124)
		Toluene-d8	50	47.2	94	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101	70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = 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.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1120WBS02	Dichlorodifluoromethane	20	20.6	ug/L	103			40 (69)	160 (116)	
	Chloromethane	20	17.8	ug/L	89			40 (65)	160 (116)	
	Vinyl chloride	20	19.3	ug/L	97			70 (65)	130 (117)	
	Bromomethane	20	20.1	ug/L	101			40 (58)	160 (125)	
	Chloroethane	20	19.2	ug/L	96			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.8	ug/L	99			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70 (80)	130 (112)	
	1,1-Dichloroethene	20	19.0	ug/L	95			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	17.8	ug/L	89			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	21.8	ug/L	109			70 (78)	130 (114)	
	Methyl Acetate	20	19.7	ug/L	99			70 (67)	130 (125)	
	Methylene Chloride	20	20.2	ug/L	101			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.2	ug/L	96			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.8	ug/L	99			70 (78)	130 (112)	
	Cyclohexane	20	18.8	ug/L	94			70 (75)	130 (110)	
	2-Butanone	100	120	ug/L	120			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.8	ug/L	104			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			70 (77)	130 (110)	
	Bromochloromethane	20	21.8	ug/L	109			70 (70)	130 (124)	
	Chloroform	20	20.6	ug/L	103			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			70 (80)	130 (108)	
	Methylcyclohexane	20	20.6	ug/L	103			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.4	ug/L	107			70 (80)	130 (115)	
	Trichloroethene	20	19.6	ug/L	98			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.7	ug/L	104			70 (83)	130 (111)	
	Bromodichloromethane	20	20.2	ug/L	101			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	130	ug/L	130			40 (74)	160 (118)	
	Toluene	20	20.7	ug/L	104			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.4	ug/L	97			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			70 (83)	130 (112)	
	2-Hexanone	100	130	ug/L	130			40 (73)	160 (117)	
	Dibromochloromethane	20	21.5	ug/L	108			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.3	ug/L	106			70 (81)	130 (110)	
	Tetrachloroethene	20	19.7	ug/L	99			70 (67)	130 (123)	
	Chlorobenzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	Ethyl Benzene	20	19.6	ug/L	98			70 (83)	130 (109)	
	m/p-Xylenes	40	39.3	ug/L	98			70 (82)	130 (110)	
	o-Xylene	20	20.7	ug/L	104			70 (83)	130 (109)	
	Styrene	20	20.2	ug/L	101			70 (80)	130 (111)	
	Bromoform	20	20.0	ug/L	100			70 (79)	130 (109)	
	Isopropylbenzene	20	19.3	ug/L	97			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	17.5	ug/L	88			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.0	ug/L	90			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.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084964.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1120WBS02	1,2-Dibromo-3-Chloropropane	20	20.6	ug/L	103			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	16.0	ug/L	80			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	16.5	ug/L	83			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.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084982.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1120WBSD02	Dichlorodifluoromethane	20	19.7	ug/L	99	4		40 (69)	160 (116)	20 (20)
	Chloromethane	20	16.6	ug/L	83	7		40 (65)	160 (116)	20 (20)
	Vinyl chloride	20	18.9	ug/L	95	2		70 (65)	130 (117)	20 (20)
	Bromomethane	20	19.2	ug/L	96	5		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.5	ug/L	93	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.5	ug/L	98	1		40 (73)	160 (115)	20 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93	5		70 (80)	130 (112)	20 (20)
	1,1-Dichloroethene	20	17.9	ug/L	90	5		70 (74)	130 (110)	20 (20)
	Acetone	100	110	ug/L	110	0		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	16.6	ug/L	83	7		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.1	ug/L	96	13		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	18.7	ug/L	94	5		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.0	ug/L	95	6		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	4		70 (75)	130 (108)	20 (20)
	1,1-Dichloroethane	20	19.0	ug/L	95	4		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	17.9	ug/L	90	4		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	9		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.5	ug/L	98	6		70 (77)	130 (113)	20 (20)
	cis-1,2-Dichloroethene	20	18.2	ug/L	91	10		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	20.2	ug/L	101	8		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.4	ug/L	97	6		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.5	ug/L	98	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.7	ug/L	89	15		70 (72)	130 (115)	20 (20)
	Benzene	20	17.9	ug/L	90	10		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	19.0	ug/L	95	12		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	17.3	ug/L	86	13		70 (77)	130 (113)	20 (20)
	1,2-Dichloropropane	20	18.5	ug/L	93	11		70 (83)	130 (111)	20 (20)
	Bromodichloromethane	20	18.3	ug/L	92	9		70 (83)	130 (110)	20 (20)
	4-Methyl-2-Pentanone	100	110	ug/L	110	17		40 (74)	160 (118)	20 (20)
	Toluene	20	18.5	ug/L	93	11		70 (82)	130 (110)	20 (20)
	t-1,3-Dichloropropene	20	16.9	ug/L	85	13		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	17.7	ug/L	89	13		70 (82)	130 (110)	20 (20)
	1,1,2-Trichloroethane	20	19.2	ug/L	96	14		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	17		40 (73)	160 (117)	20 (20)
	Dibromochloromethane	20	19.0	ug/L	95	13		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	18.0	ug/L	90	16		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	18.0	ug/L	90	10		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	17.8	ug/L	89	9		70 (82)	130 (109)	20 (20)
	Ethyl Benzene	20	18.1	ug/L	91	7		70 (83)	130 (109)	20 (20)
	m/p-Xylenes	40	36.6	ug/L	92	6		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.1	ug/L	96	8		70 (83)	130 (109)	20 (20)
	Styrene	20	17.9	ug/L	90	12		70 (80)	130 (111)	20 (20)
	Bromoform	20	19.0	ug/L	95	5		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	17.2	ug/L	86	12		70 (83)	130 (112)	20 (20)
	1,1,2,2-Tetrachloroethane	20	17.8	ug/L	89	14		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	15.0	ug/L	75	16		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	16.1	ug/L	81	11		70 (82)	130 (107)	20 (20)
	1,2-Dichlorobenzene	20	15.8	ug/L	79	13		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260-Low **Datafile :** VN084982.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual		Limits Low	Limits High	Limits RPD
VN1120WBSD02	1,2-Dibromo-3-Chloropropane	20	17.6	ug/L	88	16			40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	13.0	ug/L	65	21	*	*	70 (75)	130 (113)	20 (20)
	1,2,3-Trichlorobenzene	20	13.2	ug/L	66	23	*	*	70 (76)	130 (114)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020375.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1121SBS01	Dichlorodifluoromethane	20	22.3	ug/Kg	112			40 (64)	160 (136)	
	Chloromethane	20	14.3	ug/Kg	72			40 (70)	160 (130)	
	Vinyl chloride	20	15.8	ug/Kg	79			70 (72)	130 (129)	
	Bromomethane	20	17.3	ug/Kg	86			40 (58)	160 (141)	
	Chloroethane	20	17.0	ug/Kg	85			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.8	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	18.3	ug/Kg	92			70 (81)	130 (123)	
	1,1-Dichloroethene	20	18.3	ug/Kg	92			70 (79)	130 (121)	
	Acetone	100	93.9	ug/Kg	94			40 (60)	160 (131)	
	Carbon disulfide	20	17.3	ug/Kg	86			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.3	ug/Kg	97			70 (77)	130 (129)	
	Methyl Acetate	20	18.1	ug/Kg	91			70 (69)	130 (149)	
	Methylene Chloride	20	19.0	ug/Kg	95			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	17.9	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	20	18.5	ug/Kg	93			70 (82)	130 (123)	
	Cyclohexane	20	18.7	ug/Kg	94			70 (76)	130 (122)	
	2-Butanone	100	99.8	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	18.9	ug/Kg	95			70 (82)	130 (123)	
	Bromochloromethane	20	18.1	ug/Kg	91			70 (80)	130 (127)	
	Chloroform	20	19.0	ug/Kg	95			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.2	ug/Kg	101			70 (80)	130 (126)	
	Methylcyclohexane	20	18.8	ug/Kg	94			70 (77)	130 (123)	
	Benzene	20	19.6	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.7	ug/Kg	104			70 (81)	130 (126)	
	Trichloroethene	20	19.3	ug/Kg	97			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.1	ug/Kg	96			70 (83)	130 (122)	
	Bromodichloromethane	20	19.9	ug/Kg	100			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	99.7	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	19.3	ug/Kg	97			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.2	ug/Kg	96			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.0	ug/Kg	95			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	19.8	ug/Kg	99			70 (79)	130 (125)	
	1,2-Dibromoethane	20	18.7	ug/Kg	94			70 (80)	130 (125)	
	Tetrachloroethene	20	18.6	ug/Kg	93			70 (83)	130 (125)	
	Chlorobenzene	20	18.6	ug/Kg	93			70 (84)	130 (122)	
	Ethyl Benzene	20	19.0	ug/Kg	95			70 (82)	130 (124)	
	m/p-Xylenes	40	39.2	ug/Kg	98			70 (83)	130 (124)	
	o-Xylene	20	19.5	ug/Kg	98			70 (83)	130 (123)	
	Styrene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	20.7	ug/Kg	104			70 (75)	130 (127)	
	Isopropylbenzene	20	18.4	ug/Kg	92			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/Kg	91			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.8	ug/Kg	89			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.4	ug/Kg	92			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	18.6	ug/Kg	93			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020375.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1121SBS01	1,2-Dibromo-3-Chloropropane	20	18.1	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	17.9	ug/Kg	90			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	17.6	ug/Kg	88			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020376.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1121SBSD01	Dichlorodifluoromethane	20	23.8	ug/Kg	119	6		40 (64)	160 (136)	30 (20)
	Chloromethane	20	14.9	ug/Kg	75	4		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	16.8	ug/Kg	84	6		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.1	ug/Kg	96	11		40 (58)	160 (141)	30 (20)
	Chloroethane	20	17.8	ug/Kg	89	5		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	21.1	ug/Kg	106	7		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/Kg	97	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.8	ug/Kg	99	7		70 (79)	130 (121)	30 (20)
	Acetone	100	95.5	ug/Kg	96	2		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	18.9	ug/Kg	95	10		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.0	ug/Kg	105	8		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	19.0	ug/Kg	95	4		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	20.4	ug/Kg	102	7		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.5	ug/Kg	98	9		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.8	ug/Kg	99	6		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.4	ug/Kg	97	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	10		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	23.2	ug/Kg	116	9		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104	9		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	17.9	ug/Kg	90	1		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.8	ug/Kg	104	9		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.8	ug/Kg	109	8		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.4	ug/Kg	102	8		70 (77)	130 (123)	30 (20)
	Benzene	20	21.9	ug/Kg	110	12		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	23.1	ug/Kg	116	11		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.1	ug/Kg	106	9		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.1	ug/Kg	106	10		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.6	ug/Kg	108	8		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		40 (70)	160 (135)	30 (20)
	Toluene	20	21.8	ug/Kg	109	12		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	21.1	ug/Kg	106	10		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	22.0	ug/Kg	110	10		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.7	ug/Kg	104	9		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	10		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	22.4	ug/Kg	112	12		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.9	ug/Kg	104	10		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.9	ug/Kg	104	11		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.9	ug/Kg	104	11		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	21.1	ug/Kg	106	11		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	42.8	ug/Kg	107	9		70 (83)	130 (124)	30 (20)
	o-Xylene	20	21.5	ug/Kg	108	10		70 (83)	130 (123)	30 (20)
	Styrene	20	22.1	ug/Kg	111	11		70 (82)	130 (124)	30 (20)
	Bromoform	20	22.2	ug/Kg	111	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.4	ug/Kg	102	10		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99	8		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100	12		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	11		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104	11		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020376.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1121SBSD01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/Kg	101	10		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.0	ug/Kg	100	11		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97	10		70 (70)	130 (137)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020404.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1122SBS02	Dichlorodifluoromethane	20	25.3	ug/Kg	127			40 (64)	160 (136)	
	Chloromethane	20	15.7	ug/Kg	79			40 (70)	160 (130)	
	Vinyl chloride	20	17.6	ug/Kg	88			70 (72)	130 (129)	
	Bromomethane	20	20.3	ug/Kg	102			40 (58)	160 (141)	
	Chloroethane	20	18.1	ug/Kg	91			40 (69)	160 (130)	
	Trichlorofluoromethane	20	22.8	ug/Kg	114			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			70 (79)	130 (121)	
	Acetone	100	95.0	ug/Kg	95			40 (60)	160 (131)	
	Carbon disulfide	20	19.5	ug/Kg	98			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.5	ug/Kg	103			70 (77)	130 (129)	
	Methyl Acetate	20	17.9	ug/Kg	90			70 (69)	130 (149)	
	Methylene Chloride	20	20.5	ug/Kg	103			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	20.4	ug/Kg	102			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	Cyclohexane	20	20.6	ug/Kg	103			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	24.8	ug/Kg	124			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.5	ug/Kg	108			70 (82)	130 (123)	
	Bromochloromethane	20	18.3	ug/Kg	92			70 (80)	130 (127)	
	Chloroform	20	21.1	ug/Kg	106			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	22.9	ug/Kg	115			70 (80)	130 (126)	
	Methylcyclohexane	20	22.6	ug/Kg	113			70 (77)	130 (123)	
	Benzene	20	22.5	ug/Kg	113			70 (84)	130 (121)	
	1,2-Dichloroethane	20	22.7	ug/Kg	114			70 (81)	130 (126)	
	Trichloroethene	20	22.8	ug/Kg	114			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.9	ug/Kg	110			70 (83)	130 (122)	
	Bromodichloromethane	20	22.1	ug/Kg	111			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	22.5	ug/Kg	113			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	21.2	ug/Kg	106			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	22.2	ug/Kg	111			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	22.6	ug/Kg	113			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.2	ug/Kg	106			70 (80)	130 (125)	
	Tetrachloroethene	20	22.8	ug/Kg	114			70 (83)	130 (125)	
	Chlorobenzene	20	22.3	ug/Kg	112			70 (84)	130 (122)	
	Ethyl Benzene	20	22.6	ug/Kg	113			70 (82)	130 (124)	
	m/p-Xylenes	40	45.5	ug/Kg	114			70 (83)	130 (124)	
	o-Xylene	20	22.6	ug/Kg	113			70 (83)	130 (123)	
	Styrene	20	23.0	ug/Kg	115			70 (82)	130 (124)	
	Bromoform	20	23.6	ug/Kg	118			70 (75)	130 (127)	
	Isopropylbenzene	20	22.9	ug/Kg	115			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	21.1	ug/Kg	106			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.6	ug/Kg	108			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	22.6	ug/Kg	113			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	22.3	ug/Kg	112			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4892

Client: Portal Partners Tri-Venture

Analytical Method: SW8260D **Datafile :** VY020404.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1122SBS02	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	21.3	ug/Kg	106			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.6	ug/Kg	103			70 (70)	130 (137)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1120WBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084962.D Lab Sample ID: VN1120WBL01

Date Analyzed: 11/20/2024 Time Analyzed: 12:21

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1120WBS02	VN1120WBS02	VN084964.D	11/20/2024
VN1120WBSD02	VN1120WBSD02	VN084982.D	11/20/2024
WB-310-SW	P4892-04	VN084984.D	11/20/2024

COMMENTS:

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1121SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020374.D Lab Sample ID: VY1121SBL01

Date Analyzed: 11/21/2024 Time Analyzed: 09:59

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1121SBS01	VY1121SBS01	VY020375.D	11/21/2024
VY1121SBSD01	VY1121SBSD01	VY020376.D	11/21/2024
WB-310-TOP	P4892-01	VY020395.D	11/21/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1122SBL01

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020402.D Lab Sample ID: VY1122SBL01

Date Analyzed: 11/22/2024 Time Analyzed: 10:15

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
VY1122SBS02	VY1122SBS02	VY020404.D	11/22/2024
WB-310-BOT	P4892-02	VY020406.D	11/22/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084959.D BFB Injection Date: 11/20/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:51

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	52.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.8 (8) 1
176	95.0 - 101.0% of mass 174	68.8 (95) 1
177	5.0 - 9.0% of mass 176	4.7 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084960.D	11/20/2024	11:18
VN1120WBL01	VN1120WBL01	VN084962.D	11/20/2024	12:21
VN1120WBS02	VN1120WBS02	VN084964.D	11/20/2024	13:20
VN1120WBSD02	VN1120WBSD02	VN084982.D	11/20/2024	20:34
WB-310-SW	P4892-04	VN084984.D	11/20/2024	21:22

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020337.D BFB Injection Date: 11/19/2024

Instrument ID: MSVOA_Y BFB Injection Time: 14:40

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.7
75	30.0 - 60.0% of mass 95	55.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	81.6
175	5.0 - 9.0% of mass 174	6.4 (7.8) 1
176	95.0 - 101.0% of mass 174	79 (96.8) 1
177	5.0 - 9.0% of mass 176	5.4 (6.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY020338.D	11/19/2024	15:49
VSTDICC010	VSTDICC010	VY020339.D	11/19/2024	16:12
VSTDICC020	VSTDICC020	VY020340.D	11/19/2024	16:35
VSTDICCC050	VSTDICCC050	VY020341.D	11/19/2024	16:57
VSTDICC100	VSTDICC100	VY020342.D	11/19/2024	17:20
VSTDICC150	VSTDICC150	VY020343.D	11/19/2024	17:42

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020372.D BFB Injection Date: 11/21/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:32

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 60.0% of mass 95	55.9
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	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	73.7
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	70.4 (95.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.7) 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	VY020373.D	11/21/2024	09:25
VY1121SBL01	VY1121SBL01	VY020374.D	11/21/2024	09:59
VY1121SBS01	VY1121SBS01	VY020375.D	11/21/2024	10:39
VY1121SBSD01	VY1121SBSD01	VY020376.D	11/21/2024	11:02
WB-310-TOP	P4892-01	VY020395.D	11/21/2024	18:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020400.D BFB Injection Date: 11/22/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:56

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20
75	30.0 - 60.0% of mass 95	55.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	72.5 (98.3) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY020401.D	11/22/2024	09:40
VY1122SBL01	VY1122SBL01	VY020402.D	11/22/2024	10:15
VY1122SBS02	VY1122SBS02	VY020404.D	11/22/2024	11:04
WB-310-BOT	P4892-02	VY020406.D	11/22/2024	12:01

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084960.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_N Time Analyzed: 11:18

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	164992	8.22	271316	9.10	240365	11.87
UPPER LIMIT	329984	8.724	542632	9.6	480730	12.365
LOWER LIMIT	82496	7.724	135658	8.6	120183	11.365
EPA SAMPLE NO.						
WB-310-SW	166877	8.22	307613	9.10	262227	11.87
VN1120WBL01	178908	8.22	319489	9.10	277659	11.87
VN1120WBS02	150630	8.22	253557	9.10	229692	11.87
VN1120WBSD02	152907	8.22	266547	9.10	231842	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VN084960.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_N Time Analyzed: 11:18

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

	IS4 AREA #	RT #				
12 HOUR STD	122785	13.788				
UPPER LIMIT	245570	14.288				
LOWER LIMIT	61392.5	13.288				
EPA SAMPLE NO.						
WB-310-SW	114908	13.79				
VN1120WBL01	123641	13.79				
VN1120WBS02	114872	13.79				
VN1120WBSD02	119679	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020373.D Date Analyzed: 11/21/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:25

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	191018	7.71	313957	8.62	263957	11.42
UPPER LIMIT	382036	8.213	627914	9.122	527914	11.92
LOWER LIMIT	95509	7.213	156979	8.122	131979	10.92
EPA SAMPLE NO.						
WB-310-TOP	144486	7.71	282070	8.62	273380	11.41
VY1121SBL01	139506	7.71	270751	8.62	245370	11.42
VY1121SBS01	180247	7.71	303523	8.62	255135	11.42
VY1121SBSD01	168644	7.71	280583	8.62	238249	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020373.D Date Analyzed: 11/21/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:25

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

	IS4 AREA #	RT #				
12 HOUR STD	121826	13.352				
UPPER LIMIT	243652	13.852				
LOWER LIMIT	60913	12.852				
EPA SAMPLE NO.						
WB-310-TOP	113213	13.35				
VY1121SBL01	89046	13.35				
VY1121SBS01	121310	13.35				
VY1121SBSD01	112550	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020401.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:40

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	199094	7.72	315114	8.63	255079	11.43
UPPER LIMIT	398188	8.219	630228	9.128	510158	11.926
LOWER LIMIT	99547	7.219	157557	8.128	127540	10.926
EPA SAMPLE NO.						
WB-310-BOT	149521	7.71	283533	8.62	251330	11.42
VY1122SBL01	161234	7.72	306842	8.62	269008	11.43
VY1122SBS02	182116	7.72	298132	8.62	246608	11.42

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG NO.: P4892

Lab File ID: VY020401.D Date Analyzed: 11/22/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:40

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

	IS4 AREA #	RT #				
12 HOUR STD	114938	13.359				
UPPER LIMIT	229876	13.859				
LOWER LIMIT	57469	12.859				
EPA SAMPLE NO.						
WB-310-BOT	91188	13.35				
VY1122SBL01	94757	13.36				
VY1122SBS02	113255	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: **VN084962.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4892
Lab Sample ID:	VN1120WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

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
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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4892
Lab Sample ID:	VN1120WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	179000	8.218			
540-36-3	1,4-Difluorobenzene	319000	9.1			
3114-55-4	Chlorobenzene-d5	278000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	124000	13.794			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBL01	SDG No.:	P4892
Lab Sample ID:	VN1120WBL01	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084962.D	1		11/20/24 12:21	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4892
Lab Sample ID:	VY1121SBL01	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
VY020374.D	1		11/21/24 09:59	VY112124

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4892
Lab Sample ID:	VY1121SBL01	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
VY020374.D	1		11/21/24 09:59	VY112124

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	51.9		70 (50) - 130 (163)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (58) - 130 (134)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (29) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	7.713			
540-36-3	1,4-Difluorobenzene	271000	8.616			
3114-55-4	Chlorobenzene-d5	245000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	89000	13.353			

Raw Data: **VY020374.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4892
Lab Sample ID:	VY1121SBL01	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
VY020374.D	1		11/21/24 09:59	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBL01	SDG No.:	P4892
Lab Sample ID:	VY1122SBL01	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
VY020402.D	1		11/22/24 10:15	VY112224

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBL01	SDG No.:	P4892
Lab Sample ID:	VY1122SBL01	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
VY020402.D	1		11/22/24 10:15	VY112224

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	47.6		70 (50) - 130 (163)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (58) - 130 (134)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		70 (29) - 130 (146)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.72			
540-36-3	1,4-Difluorobenzene	307000	8.622			
3114-55-4	Chlorobenzene-d5	269000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	94800	13.359			

Raw Data: **VY020402.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBL01	SDG No.:	P4892
Lab Sample ID:	VY1122SBL01	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
VY020402.D	1		11/22/24 10:15	VY112224

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: **VN084964.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4892
Lab Sample ID:	VN1120WBS02	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		0.21	1.00	ug/L
74-87-3	Chloromethane	17.8		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	19.3		0.34	1.00	ug/L
74-83-9	Bromomethane	20.1		1.40	5.00	ug/L
75-00-3	Chloroethane	19.2		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.8		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.0		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.8		1.60	5.00	ug/L
78-93-3	2-Butanone	120		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
74-97-5	Bromochloromethane	21.8		0.18	1.00	ug/L
67-66-3	Chloroform	20.6		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	20.6		0.19	1.00	ug/L
71-43-2	Benzene	19.8		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.19	1.00	ug/L
75-27-4	Bromodichloromethane	20.2		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	130		0.75	5.00	ug/L
108-88-3	Toluene	20.7		0.18	1.00	ug/L

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4892
Lab Sample ID:	VN1120WBS02	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.4		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	130		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.3		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.3		0.31	2.00	ug/L
95-47-6	o-Xylene	20.7		0.14	1.00	ug/L
100-42-5	Styrene	20.2		0.16	1.00	ug/L
75-25-2	Bromoform	20.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.5		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	16.5		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	44.9		70 (86) - 130 (113)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	151000	8.224			
540-36-3	1,4-Difluorobenzene	254000	9.1			
3114-55-4	Chlorobenzene-d5	230000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

Raw Data: **VN084964.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBS02	SDG No.:	P4892
Lab Sample ID:	VN1120WBS02	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084964.D	1		11/20/24 13:20	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4892
Lab Sample ID:	VY1121SBS01	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
VY020375.D	1		11/21/24 10:39	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	22.3		1.70	5.00	ug/Kg
74-87-3	Chloromethane	14.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	15.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	17.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	17.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.3		0.78	5.00	ug/Kg
67-64-1	Acetone	93.9		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.3		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.3		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.1		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.0		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.9		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	18.5		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.7		0.69	5.00	ug/Kg
78-93-3	2-Butanone	99.8		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.8		0.87	5.00	ug/Kg
71-43-2	Benzene	19.6		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.9		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	99.7		4.40	25.0	ug/Kg
108-88-3	Toluene	19.3		0.67	5.00	ug/Kg

Raw Data: **VY020375.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4892
Lab Sample ID:	VY1121SBS01	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
VY020375.D	1		11/21/24 10:39	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.7		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.6		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.2		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.5		0.70	5.00	ug/Kg
100-42-5	Styrene	19.8		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.4		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.8		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.4		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.1		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.9		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.6		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		70 (50) - 130 (163)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	43.7		70 (54) - 130 (147)	87%	SPK: 50
2037-26-5	Toluene-d8	43.3		70 (58) - 130 (134)	87%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (29) - 130 (146)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	7.713			
540-36-3	1,4-Difluorobenzene	304000	8.616			
3114-55-4	Chlorobenzene-d5	255000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.352			

Raw Data: **VY020375.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4892
Lab Sample ID:	VY1121SBS01	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
VY020375.D	1		11/21/24 10:39	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBS02	SDG No.:	P4892
Lab Sample ID:	VY1122SBS02	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
VY020404.D	1		11/22/24 11:04	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	25.3		1.70	5.00	ug/Kg
74-87-3	Chloromethane	15.7		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	20.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	18.1		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.8		0.78	5.00	ug/Kg
67-64-1	Acetone	95.0		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.5		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.5		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	17.9		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.5		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.4		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.0		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	20.6		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	24.8		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.9		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	22.6		0.87	5.00	ug/Kg
71-43-2	Benzene	22.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	22.8		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.9		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.1		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	22.5		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBS02	SDG No.:	P4892
Lab Sample ID:	VY1122SBS02	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
VY020404.D	1		11/22/24 11:04	VY112224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	100		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.6		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.2		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	22.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	22.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	22.6		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	45.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	22.6		0.70	5.00	ug/Kg
100-42-5	Styrene	23.0		0.60	5.00	ug/Kg
75-25-2	Bromoform	23.6		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.9		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	21.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	22.6		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.6		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.1		70 (50) - 130 (163)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		70 (54) - 130 (147)	106%	SPK: 50
2037-26-5	Toluene-d8	52.9		70 (58) - 130 (134)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		70 (29) - 130 (146)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	7.719			
540-36-3	1,4-Difluorobenzene	298000	8.622			
3114-55-4	Chlorobenzene-d5	247000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.352			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1122SBS02	SDG No.:	P4892
Lab Sample ID:	VY1122SBS02	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
VY020404.D	1		11/22/24 11:04	VY112224

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: **VN084982.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:	VN1120WBSD02	SDG No.:	P4892
Lab Sample ID:	VN1120WBSD02	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084982.D	1		11/20/24 20:34	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		0.21	1.00	ug/L
74-87-3	Chloromethane	16.6		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.34	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.9		0.26	1.00	ug/L
67-64-1	Acetone	110		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.7		0.60	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.25	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.60	5.00	ug/L
78-93-3	2-Butanone	110		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.2		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.2		0.18	1.00	ug/L
67-66-3	Chloroform	19.4		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.5		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	17.7		0.19	1.00	ug/L
71-43-2	Benzene	17.9		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	17.3		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.5		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	110		0.75	5.00	ug/L
108-88-3	Toluene	18.5		0.18	1.00	ug/L

Raw Data: **VN084982.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBSD02	SDG No.:	P4892
Lab Sample ID:	VN1120WBSD02	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084982.D	1		11/20/24 20:34	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	16.9		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	17.7		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.0		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	18.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	17.8		0.13	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	36.6		0.31	2.00	ug/L
95-47-6	o-Xylene	19.1		0.14	1.00	ug/L
100-42-5	Styrene	17.9		0.16	1.00	ug/L
75-25-2	Bromoform	19.0		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	17.2		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.8		0.27	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	15.0		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.1		0.27	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	15.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	13.0		0.42	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	13.2		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.7		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	47.2		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	8.224			
540-36-3	1,4-Difluorobenzene	267000	9.1			
3114-55-4	Chlorobenzene-d5	232000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	120000	13.788			

Raw Data: **VN084982.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VN1120WBSD02	SDG No.:	P4892
Lab Sample ID:	VN1120WBSD02	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084982.D	1		11/20/24 20:34	VN112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBSD01	SDG No.:	P4892
Lab Sample ID:	VY1121SBSD01	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
VY020376.D	1		11/21/24 11:02	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	23.8		1.70	5.00	ug/Kg
74-87-3	Chloromethane	14.9		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	16.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.1		1.00	5.00	ug/Kg
75-00-3	Chloroethane	17.8		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.1		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.8		0.78	5.00	ug/Kg
67-64-1	Acetone	95.5		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.0		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.5		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.4		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	23.2		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.7		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	17.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.8		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.4		0.87	5.00	ug/Kg
71-43-2	Benzene	21.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	23.1		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	21.1		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.1		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.6		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	21.8		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBSD01	SDG No.:	P4892
Lab Sample ID:	VY1121SBSD01	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
VY020376.D	1		11/21/24 11:02	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	21.1		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	22.0		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.7		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.9		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.8		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.5		0.70	5.00	ug/Kg
100-42-5	Styrene	22.1		0.60	5.00	ug/Kg
75-25-2	Bromoform	22.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.4		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		70 (50) - 130 (163)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		70 (54) - 130 (147)	106%	SPK: 50
2037-26-5	Toluene-d8	52.8		70 (58) - 130 (134)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		70 (29) - 130 (146)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	169000	7.713			
540-36-3	1,4-Difluorobenzene	281000	8.615			
3114-55-4	Chlorobenzene-d5	238000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.352			

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	VY1121SBSD01	SDG No.:	P4892
Lab Sample ID:	VY1121SBSD01	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
VY020376.D	1		11/21/24 11:02	VY112124

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.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.571	0.552	0.552	0.598	0.594	0.581	0.575	3.4
Chloromethane	0.658	0.672	0.725	0.871	0.995	1.789	0.952	45.2
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
Bromomethane	0.292	0.296	0.310	0.336	0.405		0.328	14.2
Chloroethane	0.378	0.376	0.413	0.426	0.475	0.863	0.488	38.3
Trichlorofluoromethane	0.971	0.959	1.017	1.022	1.070	1.071	1.018	4.7
1,1,2-Trichlorotrifluoroethane	0.566	0.557	0.571	0.585	0.588	0.586	0.575	2.2
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
Acetone	0.209	0.204	0.213	0.223	0.241	0.338	0.238	21.3
Carbon Disulfide	1.604	1.603	1.700	1.714	1.784	2.117	1.753	10.9
Methyl tert-butyl Ether	1.773	1.758	1.802	1.779	1.786	1.572	1.745	4.9
Methyl Acetate	0.731	0.749	0.954	1.044	1.266	2.291	1.172	49.7
Methylene Chloride	0.604	0.602	0.633	0.658	0.714	0.600	0.635	7.1
trans-1,2-Dichloroethene	0.565	0.563	0.596	0.600	0.584	0.601	0.585	2.9
1,1-Dichloroethane	1.067	1.066	1.114	1.127	1.203	1.033	1.102	5.5
Cyclohexane	0.956	0.938	0.956	1.043	1.093		0.997	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
cis-1,2-Dichloroethene	0.675	0.662	0.697	0.685	0.705	0.673	0.683	2.4
Bromochloromethane	0.483	0.511	0.388	0.415	0.408	0.429	0.439	10.8
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
1,1,1-Trichloroethane	1.000	0.991	1.046	1.073	1.032	0.980	1.021	3.5
Methylcyclohexane	0.546	0.509	0.495	0.487	0.458	0.371	0.478	12.5
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
1,2-Dichloropropane	0.356	0.348	0.358	0.357	0.373	0.330	0.354	4
Bromodichloromethane	0.528	0.521	0.526	0.522	0.529	0.530	0.526	0.7
4-Methyl-2-Pentanone	0.424	0.423	0.416	0.417	0.412	0.344	0.406	7.6
Toluene	0.923	0.899	0.919	0.902	0.891	0.757	0.882	7.1

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.552	0.543	0.538	0.532	0.547	0.555	0.544	1.6
cis-1,3-Dichloropropene	0.592	0.581	0.582	0.569	0.584	0.548	0.576	2.7
1,1,2-Trichloroethane	0.336	0.329	0.334	0.342	0.342	0.309	0.332	3.7
2-Hexanone	0.314	0.312	0.301	0.297	0.294	0.256	0.296	7.1
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9
1,2-Dibromoethane	0.340	0.333	0.341	0.335	0.355	0.336	0.340	2.4
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
Ethyl Benzene	1.957	1.891	1.928	1.880	1.849	1.697	1.867	4.9
m/p-Xylenes	0.737	0.728	0.737	0.701	0.683	0.654	0.707	4.8
o-Xylene	0.703	0.690	0.701	0.679	0.645	0.550	0.661	8.9
Styrene	1.223	1.205	1.206	1.144	1.093	1.050	1.154	6.1
Bromoform	0.287	0.295	0.298	0.289	0.302	0.286	0.293	2.3
Isopropylbenzene	3.558	3.570	3.701	3.605	3.402	3.188	3.504	5.2
1,1,2,2-Tetrachloroethane	1.052	1.073	1.163	1.190	1.317	1.222	1.170	8.4
1,3-Dichlorobenzene	1.642	1.668	1.770	1.802	1.884	2.264	1.838	12.3
1,4-Dichlorobenzene	1.646	1.674	1.782	1.867	1.879	2.773	1.937	21.7
1,2-Dichlorobenzene	1.601	1.618	1.748	1.732	1.879	2.021	1.766	9.1
1,2-Dibromo-3-Chloropropane	0.204	0.217	0.229	0.226	0.274	0.272	0.237	12.3
1,2,4-Trichlorobenzene	0.852	0.865	0.895	0.881	0.956	1.353	0.967	19.9
1,2,3-Trichlorobenzene	0.832	0.841	0.953	0.877	0.939	1.189	0.939	14.1
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Calibration Time(s): 15:49 17:42

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

LAB FILE ID: RRF005 = VY020338.D RRF010 = VY020339.D RRF020 = VY020340.D
RRF050 = VY020341.D RRF100 = VY020342.D RRF150 = VY020343.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.573	0.448	0.467	0.454	0.465	0.506	0.485	9.8
Chloromethane	0.989	0.788	0.765	0.681	0.589	0.599	0.735	20.3
Vinyl Chloride	0.816	0.722	0.664	0.622	0.572	0.599	0.666	13.6
Bromomethane	0.415	0.391	0.293	0.314	0.280	0.302	0.333	16.9
Chloroethane	0.531	0.376	0.362	0.370	0.334	0.357	0.388	18.3
Trichlorofluoromethane	1.130	0.863	0.896	0.931	0.821	0.910	0.925	11.6
1,1,2-Trichlorotrifluoroethane	0.666	0.508	0.536	0.592	0.479	0.525	0.551	12.3
1,1-Dichloroethene	0.647	0.492	0.536	0.586	0.488	0.524	0.545	11.2
Acetone	0.160	0.110	0.132	0.160	0.141	0.123	0.138	14.7
Carbon Disulfide	2.169	1.635	1.750	2.073	1.647	1.753	1.838	12.4
Methyl tert-butyl Ether	1.574	1.297	1.482	1.399	1.404	1.346	1.417	7
Methyl Acetate	0.388	0.283	0.339	0.302	0.327	0.288	0.321	12.2
Methylene Chloride	0.693	0.546	0.595	0.571	0.543	0.552	0.583	9.8
trans-1,2-Dichloroethene	0.721	0.563	0.627	0.601	0.552	0.571	0.606	10.4
1,1-Dichloroethane	1.461	1.141	1.083	1.137	1.101	1.117	1.173	12.2
Cyclohexane	1.318	1.107	1.004	1.035	0.969	0.991	1.071	12.2
2-Butanone	0.179	0.176	0.168	0.180	0.197	0.165	0.177	6.5
Carbon Tetrachloride	0.575	0.500	0.500	0.478	0.483	0.533	0.511	7.2
cis-1,2-Dichloroethene	0.710	0.664	0.643	0.687	0.647	0.653	0.667	3.9
Bromochloromethane	0.534	0.553	0.441	0.509	0.450	0.476	0.494	9.2
Chloroform	1.198	1.161	1.069	1.236	1.064	1.072	1.133	6.6
1,1,1-Trichloroethane	1.068	1.042	0.941	0.997	0.940	0.982	0.995	5.3
Methylcyclohexane	0.695	0.587	0.612	0.583	0.570	0.630	0.613	7.5
Benzene	1.632	1.376	1.440	1.348	1.378	1.435	1.435	7.2
1,2-Dichloroethane	0.416	0.372	0.398	0.364	0.386	0.389	0.387	4.8
Trichloroethene	0.388	0.331	0.343	0.320	0.318	0.339	0.340	7.5
1,2-Dichloropropane	0.374	0.331	0.348	0.319	0.334	0.347	0.342	5.5
Bromodichloromethane	0.525	0.458	0.479	0.492	0.463	0.490	0.484	5
4-Methyl-2-Pentanone	0.210	0.190	0.219	0.246	0.245	0.219	0.221	9.7
Toluene	0.970	0.836	0.890	0.850	0.829	0.889	0.877	6

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Calibration Time(s): 15:49 17:42

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

LAB FILE ID: RRF005 = VY020338.D RRF010 = VY020339.D RRF020 = VY020340.D
RRF050 = VY020341.D RRF100 = VY020342.D RRF150 = VY020343.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.534	0.401	0.446	0.448	0.456	0.463	0.458	9.5
cis-1,3-Dichloropropene	0.541	0.493	0.527	0.505	0.530	0.551	0.524	4.1
1,1,2-Trichloroethane	0.250	0.223	0.263	0.219	0.222	0.221	0.233	8.1
2-Hexanone	0.142	0.135	0.160	0.171	0.177	0.155	0.157	10.3
Dibromochloromethane	0.319	0.273	0.307	0.305	0.297	0.300	0.300	5.1
1,2-Dibromoethane	0.247	0.200	0.221	0.217	0.204	0.206	0.216	8.1
Tetrachloroethene	0.402	0.344	0.401	0.331	0.333	0.350	0.360	9.1
Chlorobenzene	1.258	1.079	1.083	1.144	1.040	1.085	1.115	7
Ethyl Benzene	2.319	1.973	2.002	2.051	1.932	2.063	2.057	6.7
m/p-Xylenes	0.829	0.725	0.742	0.708	0.696	0.745	0.741	6.4
o-Xylene	0.770	0.694	0.711	0.668	0.666	0.706	0.703	5.4
Styrene	1.261	1.128	1.165	1.131	1.131	1.188	1.167	4.5
Bromoform	0.207	0.180	0.195	0.189	0.199	0.194	0.194	4.7
Isopropylbenzene	4.851	4.028	4.070	4.314	3.899	4.251	4.236	8
1,1,2,2-Tetrachloroethane	0.729	0.646	0.683	0.728	0.676	0.646	0.685	5.4
1,3-Dichlorobenzene	2.072	1.668	1.839	1.848	1.621	1.719	1.794	9.1
1,4-Dichlorobenzene	1.938	1.651	1.709	1.730	1.579	1.679	1.714	7.1
1,2-Dichlorobenzene	1.630	1.401	1.506	1.547	1.414	1.474	1.495	5.7
1,2-Dibromo-3-Chloropropane	0.130	0.098	0.108	0.119	0.113	0.105	0.112	10
1,2,4-Trichlorobenzene	0.974	0.841	0.856	0.894	0.900	0.958	0.904	5.9
1,2,3-Trichlorobenzene	0.817	0.784	0.721	0.748	0.762	0.806	0.773	4.7
1,2-Dichloroethane-d4	0.609	0.523	0.545	0.636	0.563	0.571	0.574	7.3
Dibromofluoromethane	0.346	0.347	0.307	0.323	0.288	0.312	0.321	7.2
Toluene-d8	1.397	1.186	1.208	1.398	1.130	1.259	1.263	8.9
4-Bromofluorobenzene	0.459	0.381	0.384	0.430	0.369	0.413	0.406	8.5

* 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.

Alliance TECHNICAL GROUP
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 11:18

Lab File ID: VN084960.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.624		8.52	20
Chloromethane	0.952	0.671	0.1	-29.52	20
Vinyl Chloride	0.618	0.652		5.5	20
Bromomethane	0.328	0.340		3.66	20
Chloroethane	0.488	0.408		-16.39	20
Trichlorofluoromethane	1.018	1.068		4.91	20
1,1,2-Trichlorotrifluoroethane	0.575	0.616		7.13	20
1,1-Dichloroethene	0.569	0.576		1.23	20
Acetone	0.238	0.200		-15.97	20
Carbon Disulfide	1.753	1.680		-4.16	20
Methyl tert-butyl Ether	1.745	1.961		12.38	20
Methyl Acetate	1.172	0.768		-34.47	20
Methylene Chloride	0.635	0.652		2.68	20
trans-1,2-Dichloroethene	0.585	0.594		1.54	20
1,1-Dichloroethane	1.102	1.147	0.1	4.08	20
Cyclohexane	0.997	1.018		2.11	20
2-Butanone	0.337	0.365		8.31	20
Carbon Tetrachloride	0.525	0.576		9.71	20
cis-1,2-Dichloroethene	0.683	0.719		5.27	20
Bromochloromethane	0.439	0.438		-0.23	20
Chloroform	1.121	1.175		4.82	20
1,1,1-Trichloroethane	1.021	1.085		6.27	20
Methylcyclohexane	0.478	0.571		19.46	20
Benzene	1.507	1.573		4.38	20
1,2-Dichloroethane	0.488	0.528		8.2	20
Trichloroethene	0.348	0.365		4.89	20
1,2-Dichloropropane	0.354	0.384		8.48	20
Bromodichloromethane	0.526	0.569		8.18	20
4-Methyl-2-Pentanone	0.406	0.504		24.14	20
Toluene	0.882	0.995		12.81	20
t-1,3-Dichloropropene	0.544	0.592		8.82	20
cis-1,3-Dichloropropene	0.576	0.634		10.07	20
1,1,2-Trichloroethane	0.332	0.361		8.73	20
2-Hexanone	0.296	0.396		33.78	20
Dibromochloromethane	0.378	0.434		14.81	20
1,2-Dibromoethane	0.340	0.370		8.82	20
Tetrachloroethene	0.333	0.356		6.91	20
Chlorobenzene	1.119	1.182	0.3	5.63	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_N Calibration Date/Time: 11/20/2024 11:18

Lab File ID: VN084960.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.867	2.112		13.12	20
m/p-Xylenes	0.707	0.815		15.28	20
o-Xylene	0.661	0.779		17.85	20
Styrene	1.154	1.329		15.16	20
Bromoform	0.293	0.330	0.1	12.63	20
Isopropylbenzene	3.504	3.902		11.36	20
1,1,2,2-Tetrachloroethane	1.170	1.194	0.3	2.05	20
1,3-Dichlorobenzene	1.838	1.743		-5.17	20
1,4-Dichlorobenzene	1.937	1.741		-10.12	20
1,2-Dichlorobenzene	1.766	1.729		-2.1	20
1,2-Dibromo-3-Chloropropane	0.237	0.253		6.75	20
1,2,4-Trichlorobenzene	0.967	0.914		-5.48	20
1,2,3-Trichlorobenzene	0.939	0.869		-7.45	20
1,2-Dichloroethane-d4	0.722	0.653		-9.56	20
Dibromofluoromethane	0.338	0.317		-6.21	20
Toluene-d8	1.247	1.145		-8.18	20
4-Bromofluorobenzene	0.466	0.449		-3.65	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date/Time: 11/21/2024 09:25

Lab File ID: VY020373.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.485	0.554		14.23	20
Chloromethane	0.735	0.578	0.1	-21.36	20
Vinyl Chloride	0.666	0.567		-14.86	20
Bromomethane	0.333	0.304		-8.71	20
Chloroethane	0.388	0.335		-13.66	20
Trichlorofluoromethane	0.925	0.962		4	20
1,1,2-Trichlorotrifluoroethane	0.551	0.533		-3.27	20
1,1-Dichloroethene	0.545	0.530		-2.75	20
Acetone	0.138	0.163		18.12	20
Carbon Disulfide	1.838	1.752		-4.68	20
Methyl tert-butyl Ether	1.417	1.447		2.12	20
Methyl Acetate	0.321	0.327		1.87	20
Methylene Chloride	0.583	0.567		-2.74	20
trans-1,2-Dichloroethene	0.606	0.581		-4.13	20
1,1-Dichloroethane	1.173	1.127	0.1	-3.92	20
Cyclohexane	1.071	1.017		-5.04	20
2-Butanone	0.177	0.204		15.25	20
Carbon Tetrachloride	0.511	0.577		12.92	20
cis-1,2-Dichloroethene	0.667	0.667		0	20
Bromochloromethane	0.494	0.461		-6.68	20
Chloroform	1.133	1.101		-2.82	20
1,1,1-Trichloroethane	0.995	1.042		4.72	20
Methylcyclohexane	0.613	0.632		3.1	20
Benzene	1.435	1.479		3.07	20
1,2-Dichloroethane	0.387	0.423		9.3	20
Trichloroethene	0.340	0.348		2.35	20
1,2-Dichloropropane	0.342	0.348		1.75	20
Bromodichloromethane	0.484	0.509		5.16	20
4-Methyl-2-Pentanone	0.221	0.244		10.41	20
Toluene	0.877	0.905		3.19	20
t-1,3-Dichloropropene	0.458	0.480		4.8	20
cis-1,3-Dichloropropene	0.524	0.559		6.68	20
1,1,2-Trichloroethane	0.233	0.236		1.29	20
2-Hexanone	0.157	0.185		17.83	20
Dibromochloromethane	0.300	0.320		6.67	20
1,2-Dibromoethane	0.216	0.221		2.32	20
Tetrachloroethene	0.360	0.362		0.56	20
Chlorobenzene	1.115	1.107	0.3	-0.72	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date/Time: 11/21/2024 09:25

Lab File ID: VY020373.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.057	2.103		2.24	20
m/p-Xylenes	0.741	0.763		2.97	20
o-Xylene	0.703	0.723		2.85	20
Styrene	1.167	1.231		5.48	20
Bromoform	0.194	0.213	0.1	9.79	20
Isopropylbenzene	4.236	4.245		0.21	20
1,1,2,2-Tetrachloroethane	0.685	0.699	0.3	2.04	20
1,3-Dichlorobenzene	1.794	1.751		-2.4	20
1,4-Dichlorobenzene	1.714	1.699		-0.88	20
1,2-Dichlorobenzene	1.495	1.513		1.2	20
1,2-Dibromo-3-Chloropropane	0.112	0.112		0	20
1,2,4-Trichlorobenzene	0.904	0.922		1.99	20
1,2,3-Trichlorobenzene	0.773	0.768		-0.65	20
1,2-Dichloroethane-d4	0.574	0.598		4.18	20
Dibromofluoromethane	0.321	0.316		-1.56	20
Toluene-d8	1.263	1.242		-1.66	20
4-Bromofluorobenzene	0.406	0.415		2.22	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date/Time: 11/22/2024 09:40

Lab File ID: VY020401.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.485	0.559		15.26	20
Chloromethane	0.735	0.555	0.1	-24.49	20
Vinyl Chloride	0.666	0.563		-15.47	20
Bromomethane	0.333	0.308		-7.51	20
Chloroethane	0.388	0.332		-14.43	20
Trichlorofluoromethane	0.925	0.989		6.92	20
1,1,2-Trichlorotrifluoroethane	0.551	0.552		0.18	20
1,1-Dichloroethene	0.545	0.541		-0.73	20
Acetone	0.138	0.143		3.62	20
Carbon Disulfide	1.838	1.754		-4.57	20
Methyl tert-butyl Ether	1.417	1.349		-4.8	20
Methyl Acetate	0.321	0.284		-11.53	20
Methylene Chloride	0.583	0.546		-6.35	20
trans-1,2-Dichloroethene	0.606	0.585		-3.46	20
1,1-Dichloroethane	1.173	1.087	0.1	-7.33	20
Cyclohexane	1.071	1.017		-5.04	20
2-Butanone	0.177	0.179		1.13	20
Carbon Tetrachloride	0.511	0.607		18.79	20
cis-1,2-Dichloroethene	0.667	0.653		-2.1	20
Bromochloromethane	0.494	0.432		-12.55	20
Chloroform	1.133	1.084		-4.32	20
1,1,1-Trichloroethane	0.995	1.045		5.03	20
Methylcyclohexane	0.613	0.678		10.6	20
Benzene	1.435	1.495		4.18	20
1,2-Dichloroethane	0.387	0.406		4.91	20
Trichloroethene	0.340	0.363		6.76	20
1,2-Dichloropropane	0.342	0.346		1.17	20
Bromodichloromethane	0.484	0.496		2.48	20
4-Methyl-2-Pentanone	0.221	0.221		0	20
Toluene	0.877	0.922		5.13	20
t-1,3-Dichloropropene	0.458	0.465		1.53	20
cis-1,3-Dichloropropene	0.524	0.555		5.92	20
1,1,2-Trichloroethane	0.233	0.227		-2.58	20
2-Hexanone	0.157	0.167		6.37	20
Dibromochloromethane	0.300	0.315		5	20
1,2-Dibromoethane	0.216	0.211		-2.32	20
Tetrachloroethene	0.360	0.390		8.33	20
Chlorobenzene	1.115	1.152	0.3	3.32	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.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date/Time: 11/22/2024 09:40

Lab File ID: VY020401.D Init. Calib. Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 15:49 17:42

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.057	2.201		7	20
m/p-Xylenes	0.741	0.797		7.56	20
o-Xylene	0.703	0.745		5.97	20
Styrene	1.167	1.258		7.8	20
Bromoform	0.194	0.214	0.1	10.31	20
Isopropylbenzene	4.236	4.572		7.93	20
1,1,2,2-Tetrachloroethane	0.685	0.683	0.3	-0.29	20
1,3-Dichlorobenzene	1.794	1.819		1.39	20
1,4-Dichlorobenzene	1.714	1.766		3.03	20
1,2-Dichlorobenzene	1.495	1.545		3.34	20
1,2-Dibromo-3-Chloropropane	0.112	0.113		0.89	20
1,2,4-Trichlorobenzene	0.904	0.904		0	20
1,2,3-Trichlorobenzene	0.773	0.732		-5.3	20
1,2-Dichloroethane-d4	0.574	0.585		1.92	20
Dibromofluoromethane	0.321	0.339		5.61	20
Toluene-d8	1.263	1.353		7.13	20
4-Bromofluorobenzene	0.406	0.442		8.87	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Time: Nov 22 02:44:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

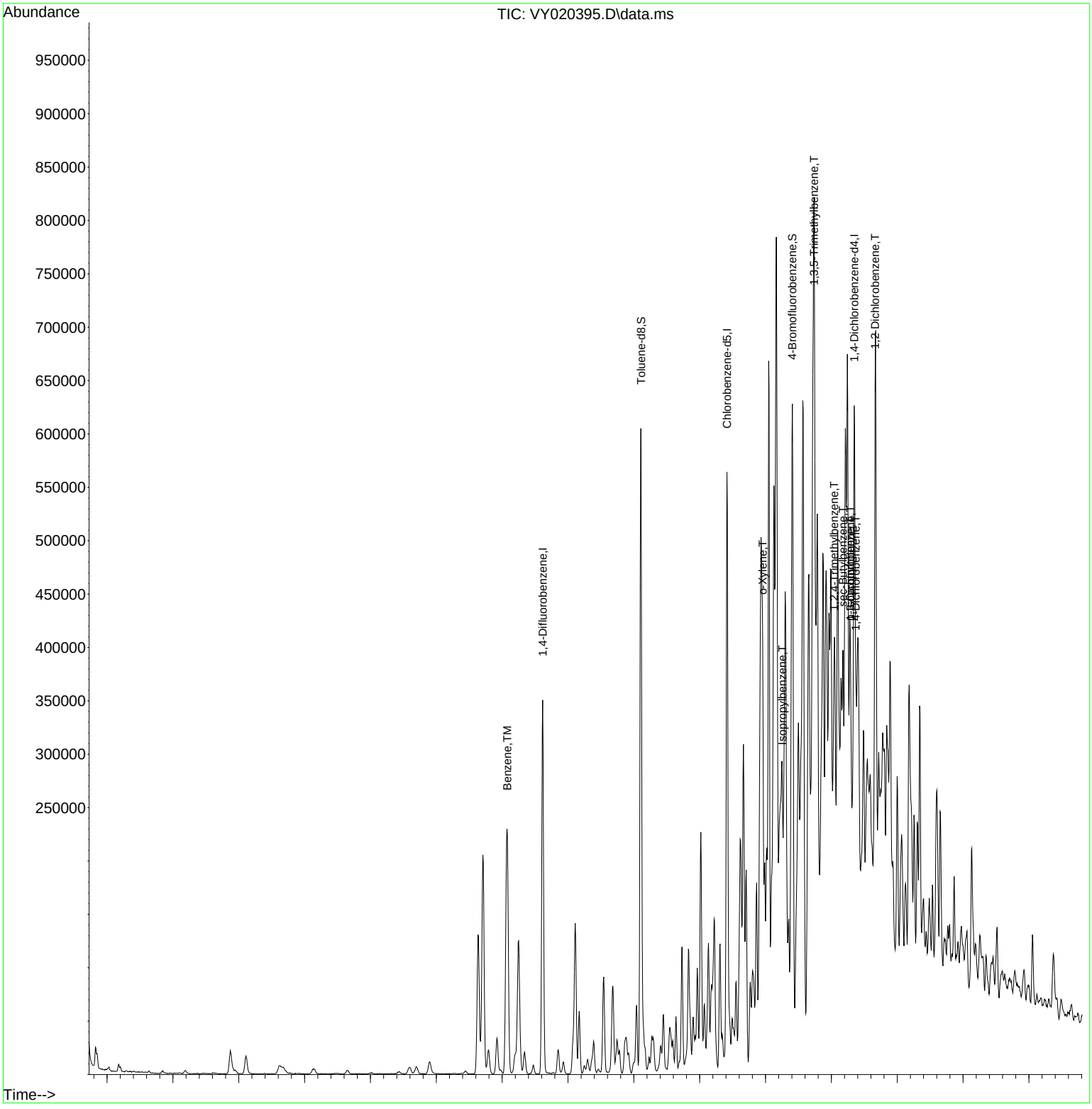
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	144486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	282070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	273380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	113213	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101220	60.977	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.960%			
35) Dibromofluoromethane	7.634	113	91753	50.728	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.460%			
50) Toluene-d8	10.109	98	348748	48.948	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.900%			
62) 4-Bromofluorobenzene	12.408	95	134960	58.924	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 117.840%			
Target Compounds						Qvalue
16) Acetone	3.873	43	40045	100.630	ug/l	99
17) Carbon Disulfide	4.110	76	33718	6.350	ug/l	99
25) 2-Butanone	6.903	43	18255	35.633	ug/l	95
39) Methylcyclohexane	9.103	83	43848	12.682	ug/l	89
40) Benzene	8.079	78	161482	19.946	ug/l	99
52) Toluene	10.170	92	8356	1.689	ug/l	99
65) Chlorobenzene	11.438	112	9046	1.484	ug/l	95
67) Ethyl Benzene	11.518	91	12363	1.099	ug/l	98
68) m/p-Xylenes	11.627	106	41068	10.139	ug/l	94
69) o-Xylene	11.957	106	58317	15.179	ug/l	97
73) Isopropylbenzene	12.255	105	12934	1.349	ug/l	99
78) n-propylbenzene	12.597	91	14898	1.294	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	44208	5.704	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	72471	9.431	ug/l	99
85) sec-Butylbenzene	13.176	105	13719	1.272	ug/l #	58
86) p-Isopropyltoluene	13.292	119	20601	2.471	ug/l	93
87) 1,3-Dichlorobenzene	13.292	146	21351	5.255	ug/l #	35
88) 1,4-Dichlorobenzene	13.371	146	20934	5.393	ug/l #	32
89) n-Butylbenzene	13.621	91	11336	1.420	ug/l #	80
91) 1,2-Dichlorobenzene	13.664	146	6405	1.892	ug/l #	19

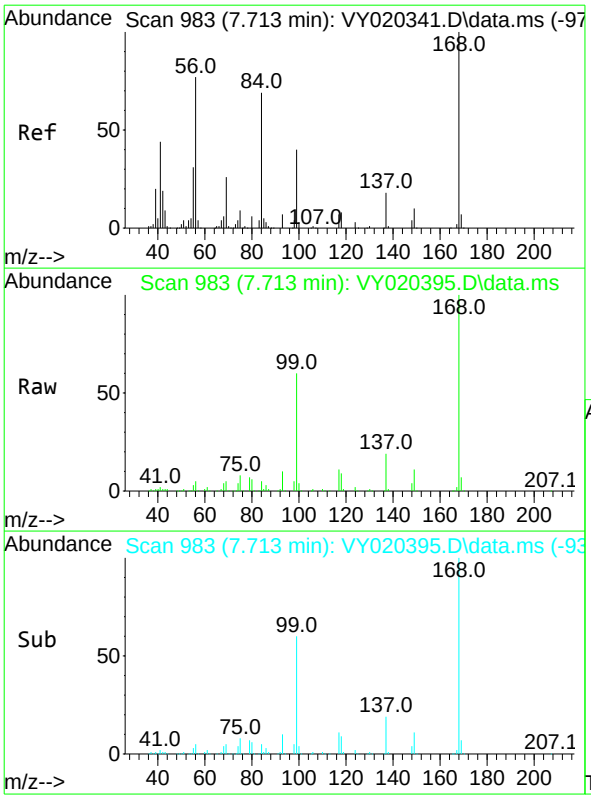
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Time: Nov 22 02:44:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



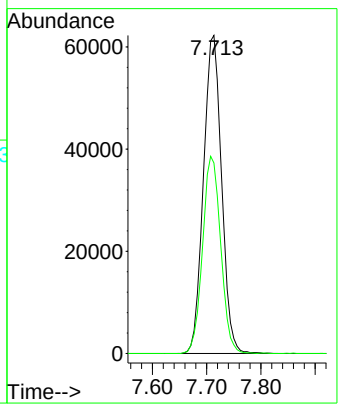


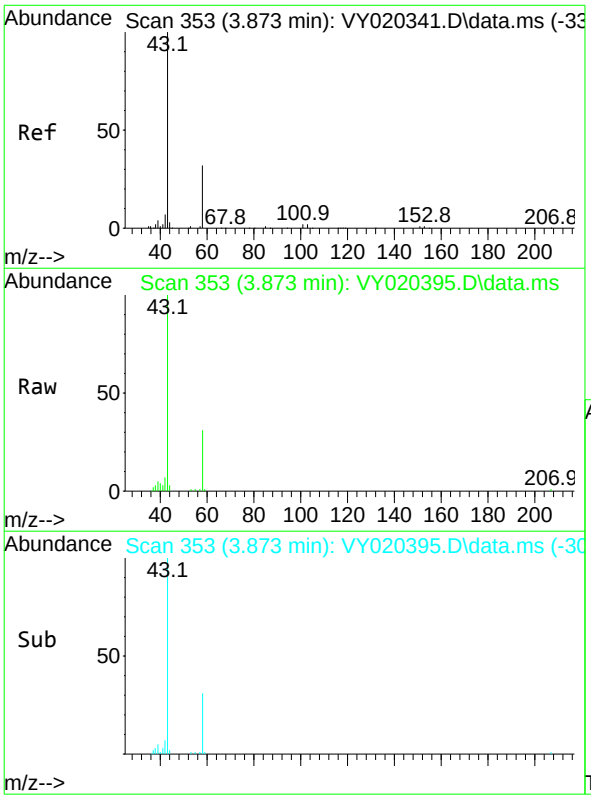
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:168 Resp: 144486

Ion	Ratio	Lower	Upper
168	100		
99	59.9	46.6	69.8

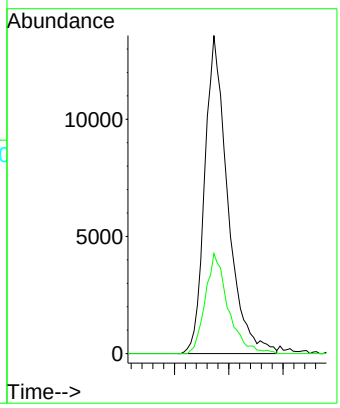


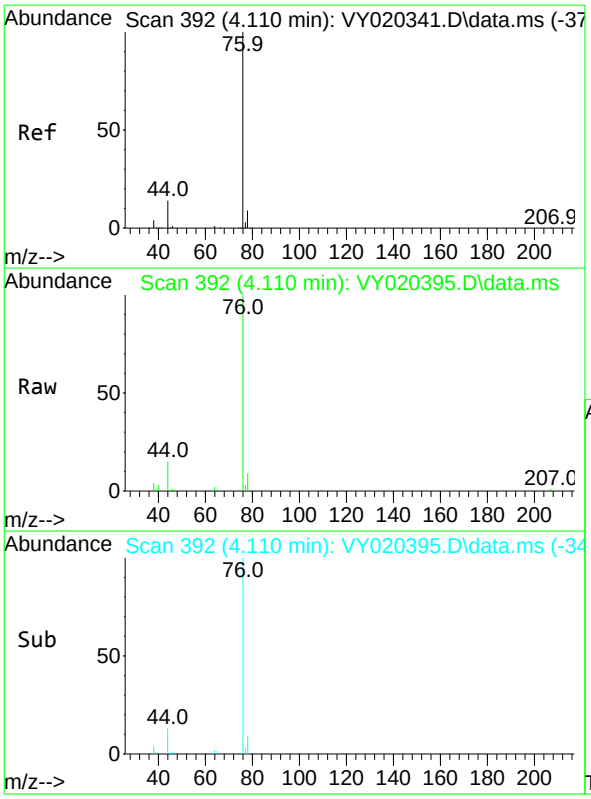


#16
Acetone
Concen: 100.630 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 43 Resp: 40045

Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.7	38.5



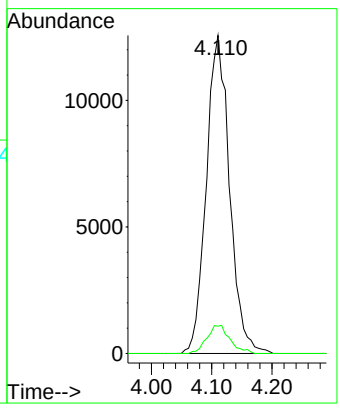


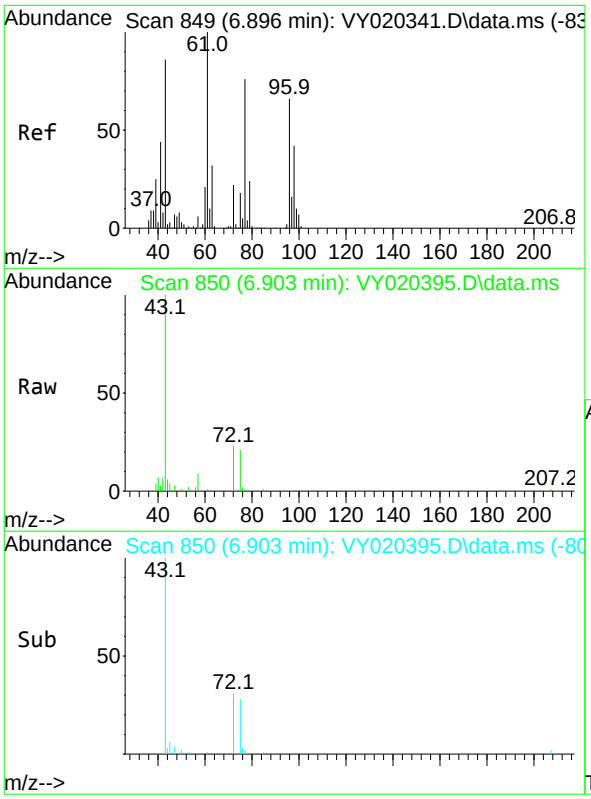
#17
Carbon Disulfide
Concen: 6.350 ug/l
RT: 4.110 min Scan# 39
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 76 Resp: 33718

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

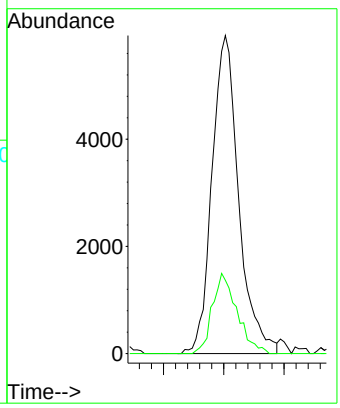




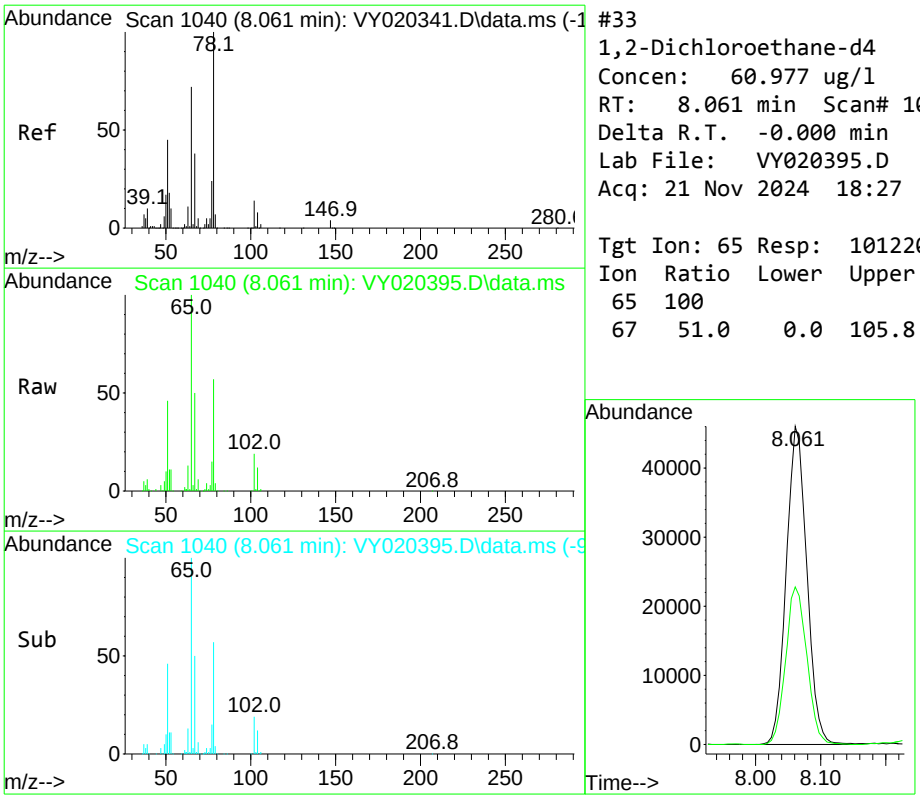
#25
2-Butanone
Concen: 35.633 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 43 Resp: 18255

Ion	Ratio	Lower	Upper
43	100		
72	23.0	20.4	30.6



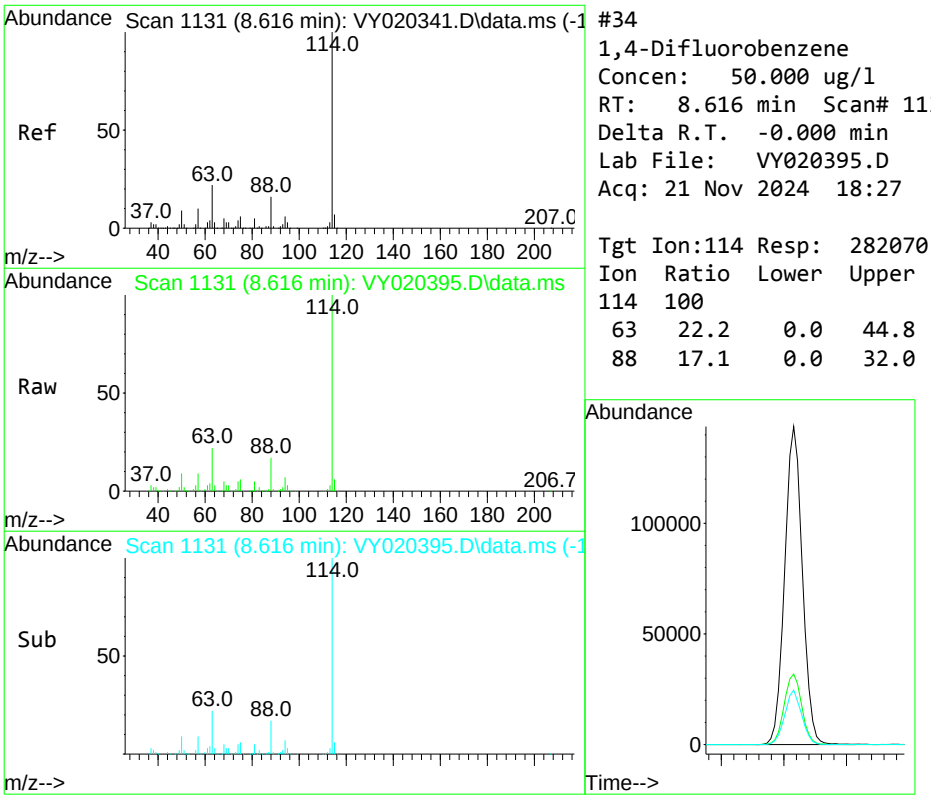
Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP



#33
1,2-Dichloroethane-d4
Concen: 60.977 ug/l
RT: 8.061 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 65 Resp: 101220

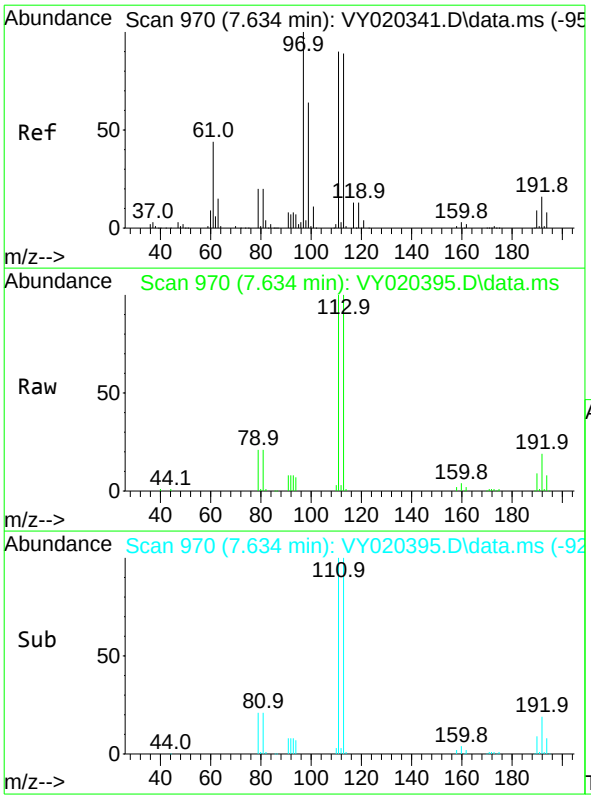
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	105.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:114 Resp: 282070

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.8
88	17.1	0.0	32.0

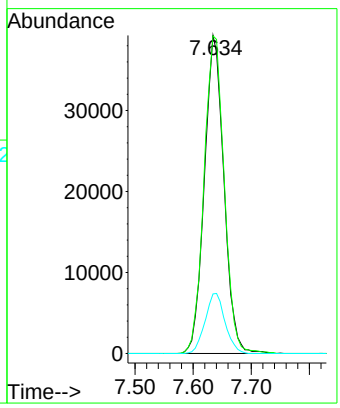


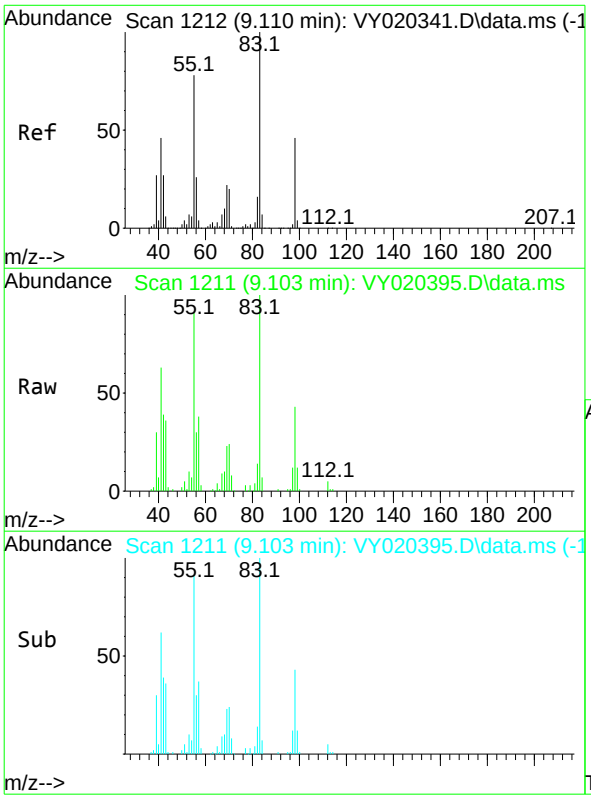
#35
Dibromofluoromethane
Concen: 50.728 ug/l
RT: 7.634 min Scan# 97
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:113 Resp: 91753

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.0
192	19.2	15.1	22.7

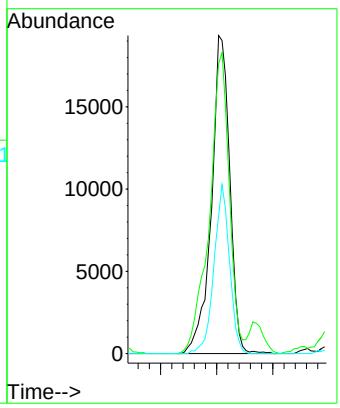


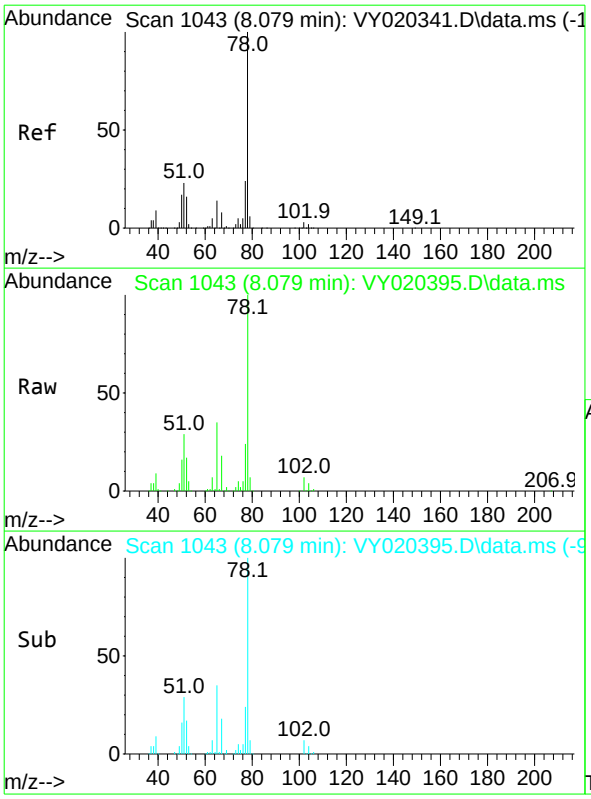


#39
Methylcyclohexane
Concen: 12.682 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 83 Resp: 43848

Ion	Ratio	Lower	Upper
83	100		
55	91.1	62.6	93.8
98	43.3	37.0	55.4



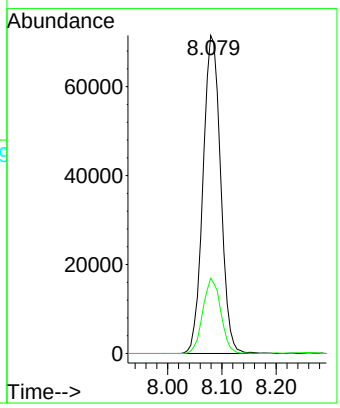


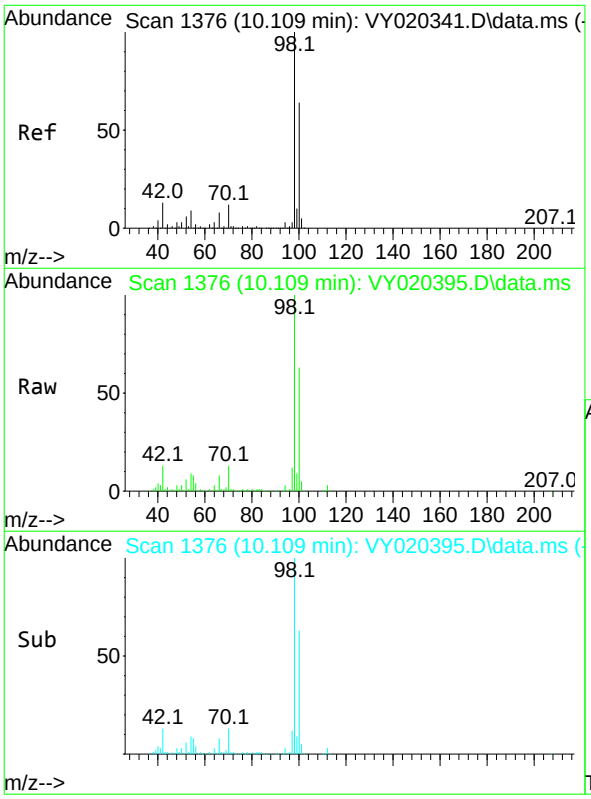
#40
Benzene
Concen: 19.946 ug/l
RT: 8.079 min Scan# 10
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 78 Resp: 161482

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0

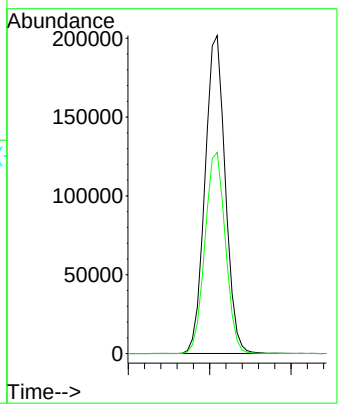


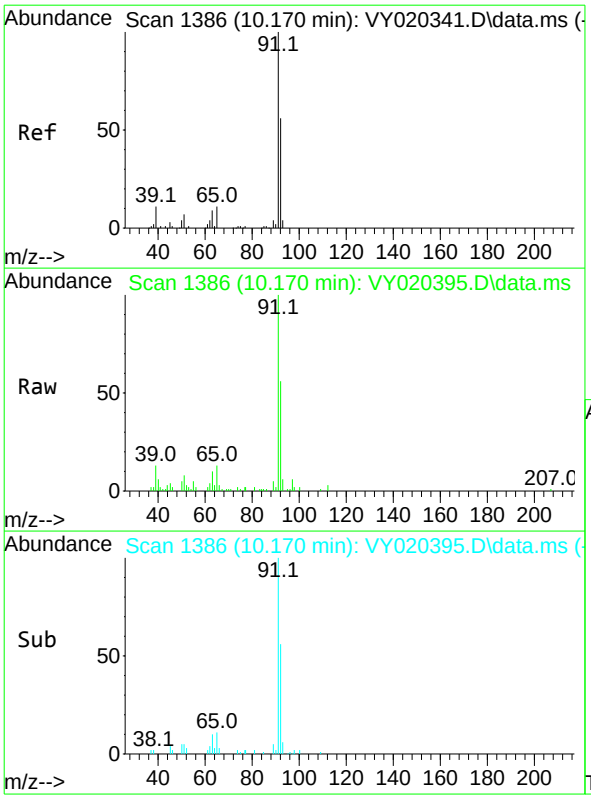


#50
Toluene-d8
Concen: 48.948 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 98 Resp: 348748

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9



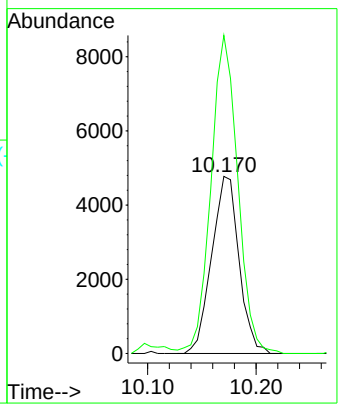


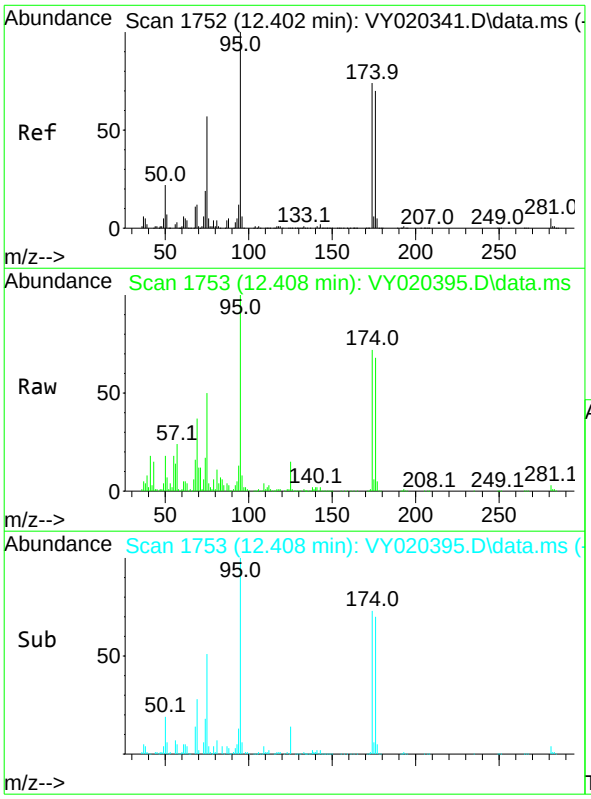
#52
Toluene
Concen: 1.689 ug/l
RT: 10.170 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 92 Resp: 8356

Ion	Ratio	Lower	Upper
92	100		
91	176.1	139.7	209.5

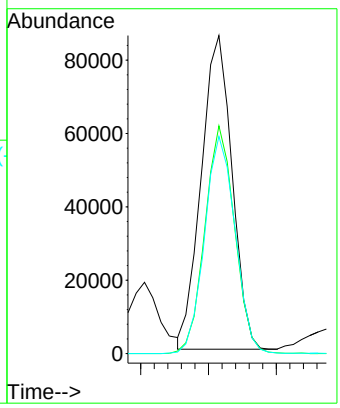


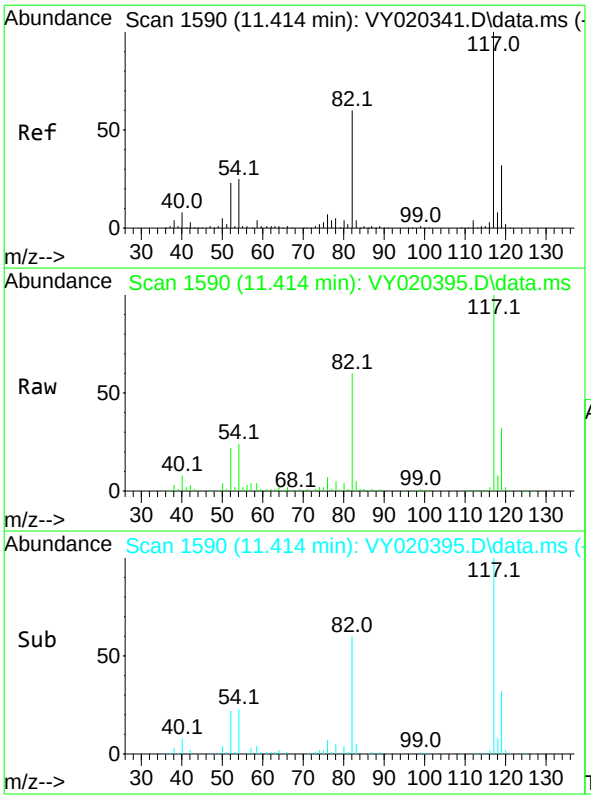


#62
4-Bromofluorobenzene
Concen: 58.924 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 95 Resp: 134960

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	156.8
176	68.6	0.0	152.0



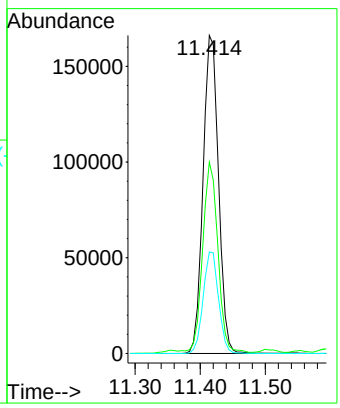


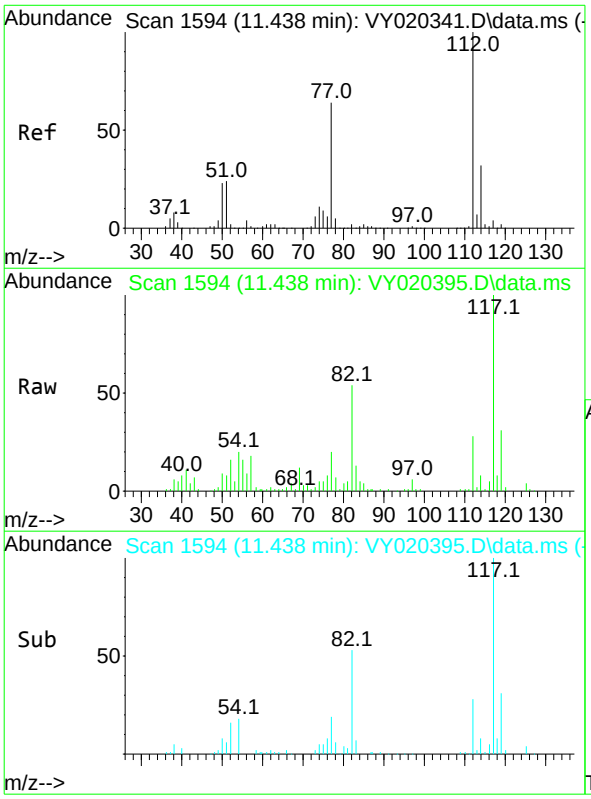
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:117 Resp: 273380

Ion	Ratio	Lower	Upper
117	100		
82	59.4	48.2	72.4
119	31.9	25.8	38.8

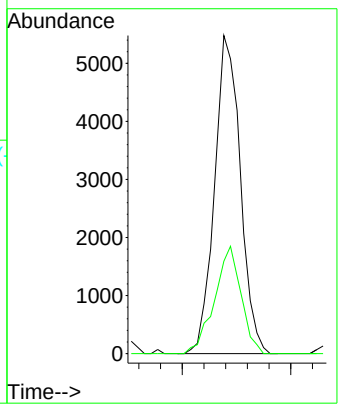


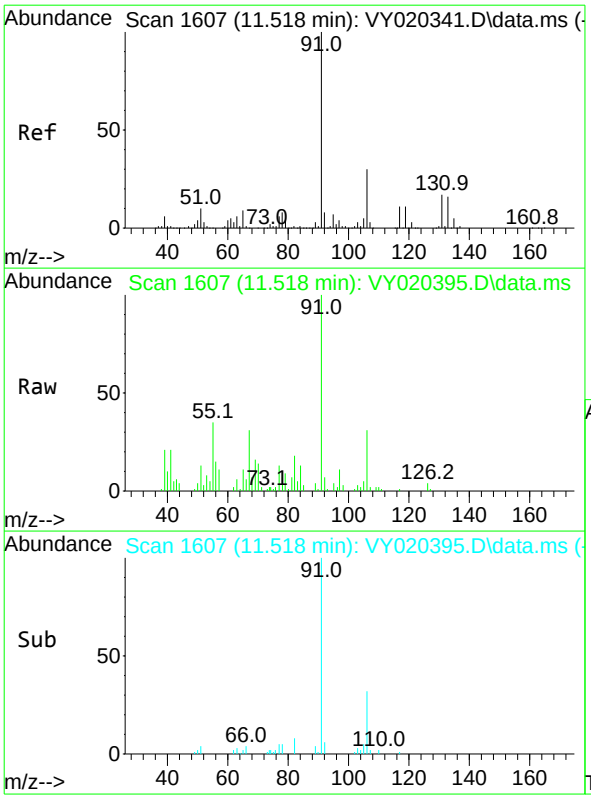


#65
Chlorobenzene
Concen: 1.484 ug/l
RT: 11.438 min Scan# 1594
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:112 Resp: 9046

Ion	Ratio	Lower	Upper
112	100		
114	29.0	25.7	38.5



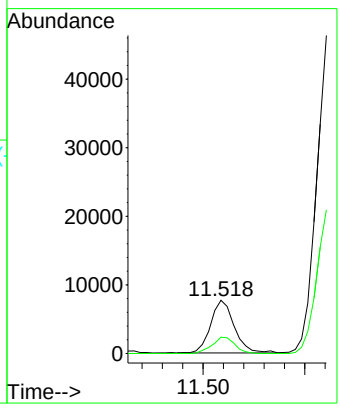


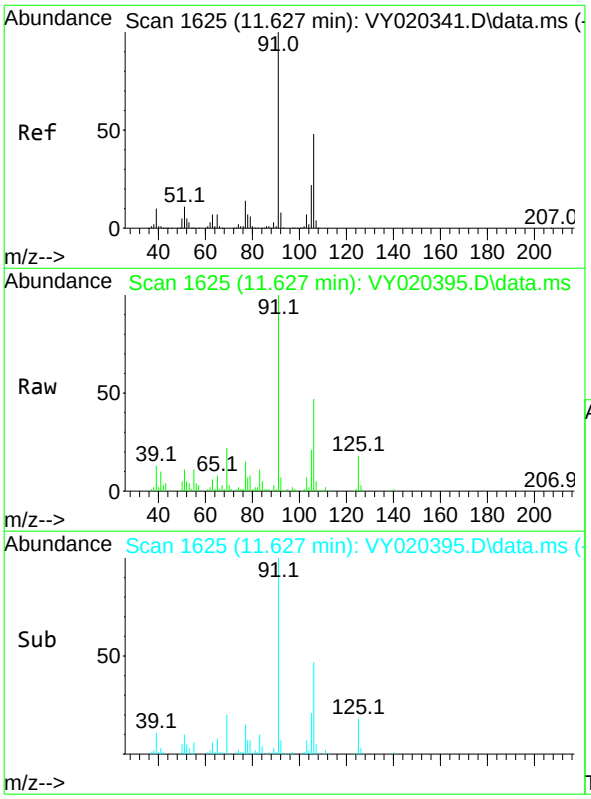
#67
Ethyl Benzene
Concen: 1.099 ug/l
RT: 11.518 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 91 Resp: 12363

Ion	Ratio	Lower	Upper
91	100		
106	30.9	23.9	35.9

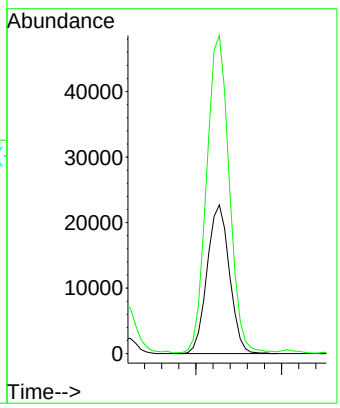


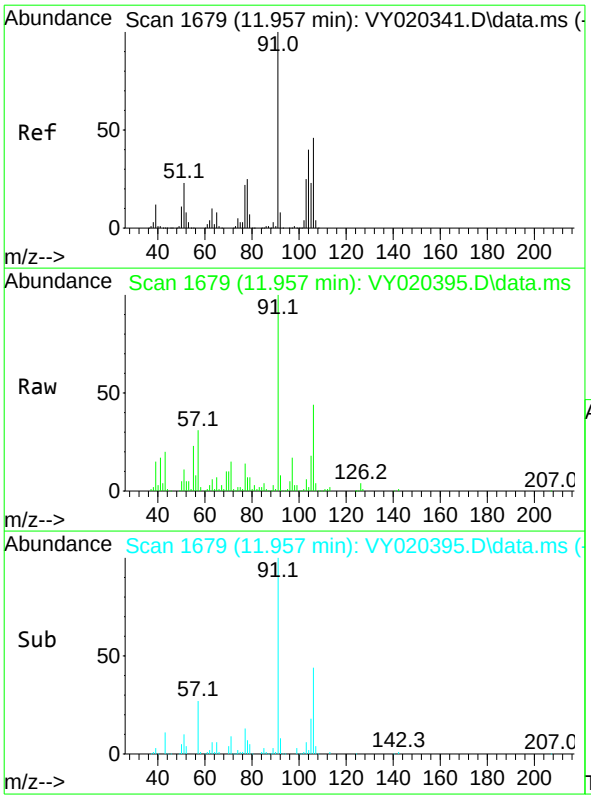


#68
m/p-Xylenes
Concen: 10.139 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:106 Resp: 41068

Ion	Ratio	Lower	Upper
106	100		
91	216.3	166.0	249.0



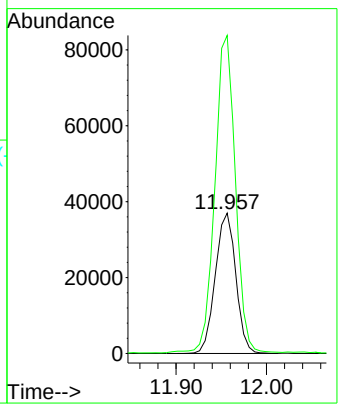


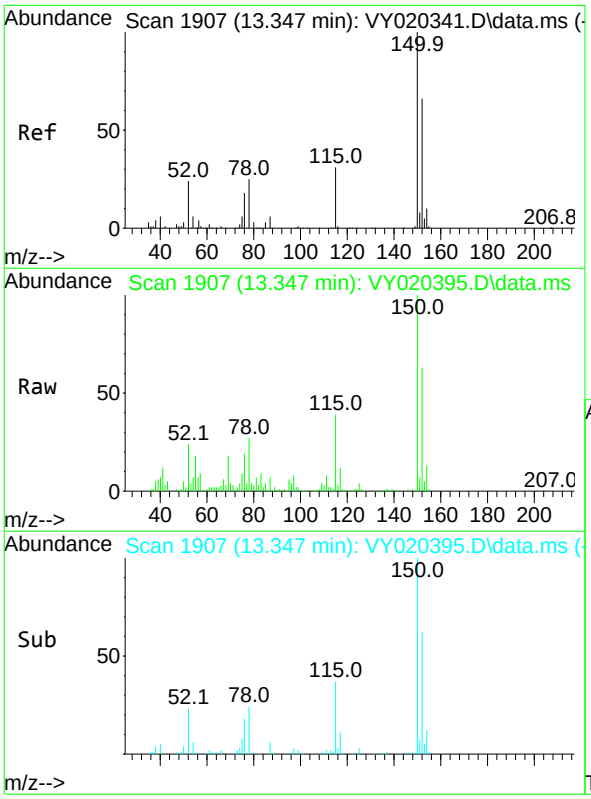
#69
o-Xylene
Concen: 15.179 ug/l
RT: 11.957 min Scan# 16
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:106 Resp: 58317

Ion	Ratio	Lower	Upper
106	100		
91	225.4	110.0	330.0

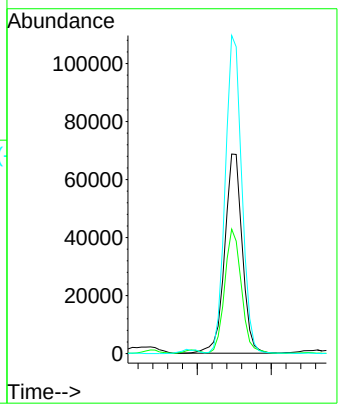




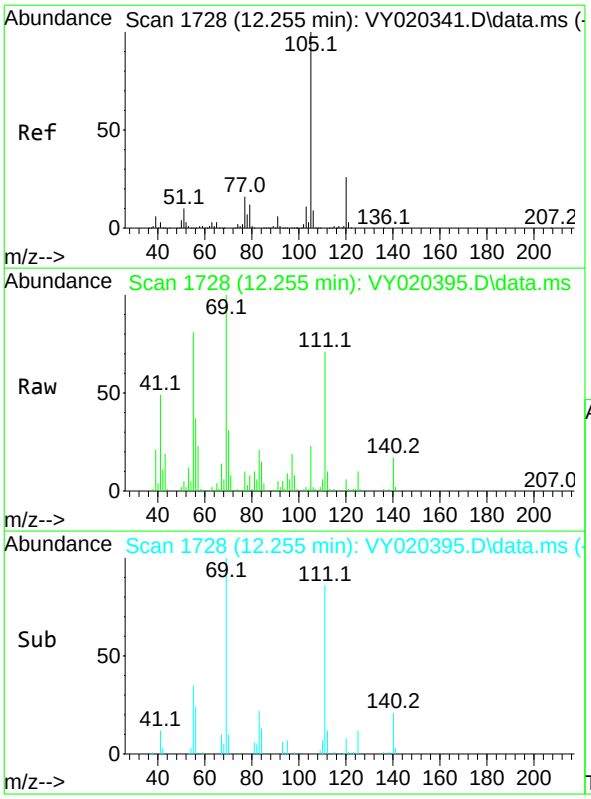
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:152 Resp: 113213

Ion	Ratio	Lower	Upper
152	100		
115	59.2	30.0	90.0
150	149.9	0.0	348.2



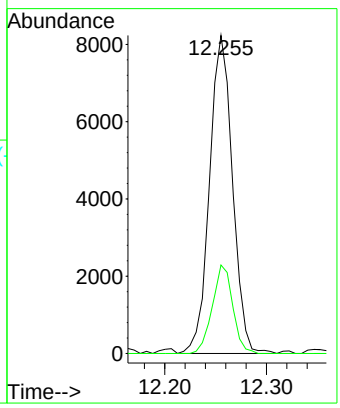
Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

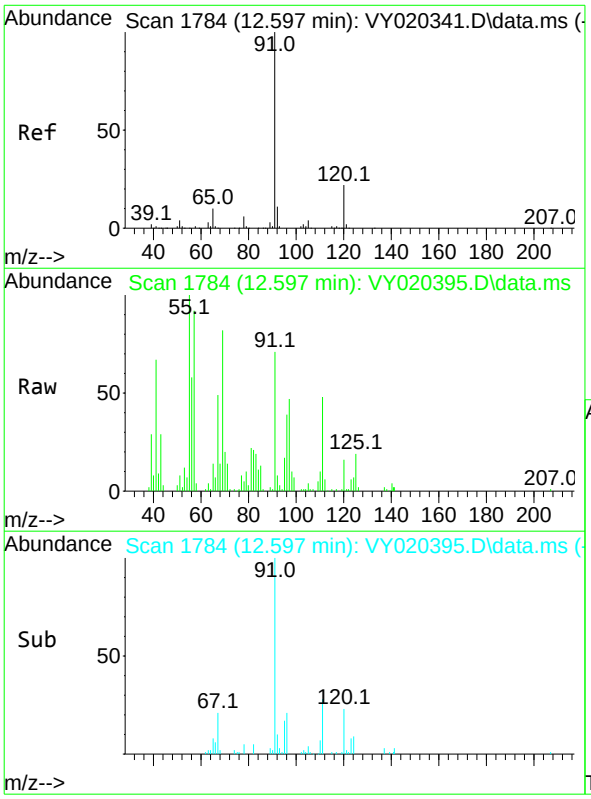


#73
Isopropylbenzene
Concen: 1.349 ug/l
RT: 12.255 min Scan# 17
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:105 Resp: 12934

Ion	Ratio	Lower	Upper
105	100		
120	24.7	12.7	38.1

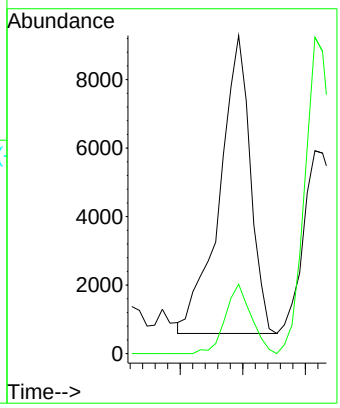


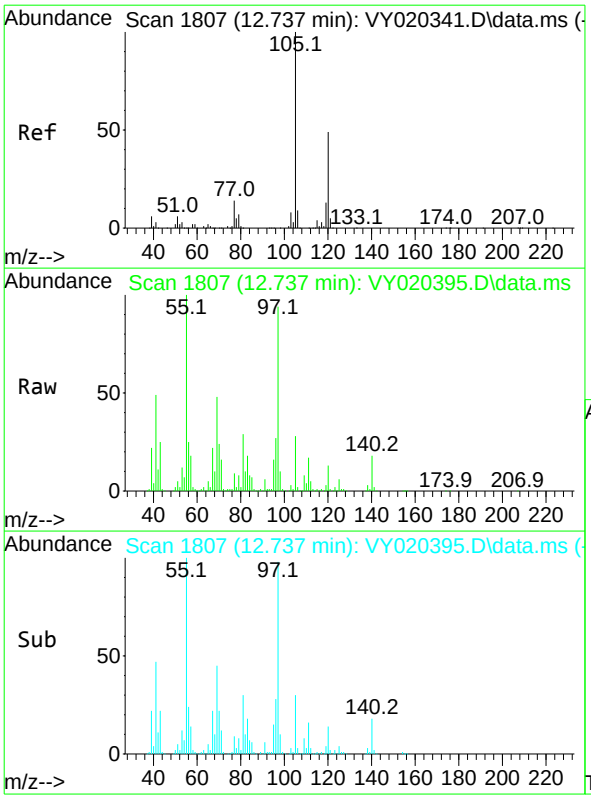


#78
n-propylbenzene
Concen: 1.294 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion: 91 Resp: 14898

Ion	Ratio	Lower	Upper
91	100		
120	19.6	10.9	32.6



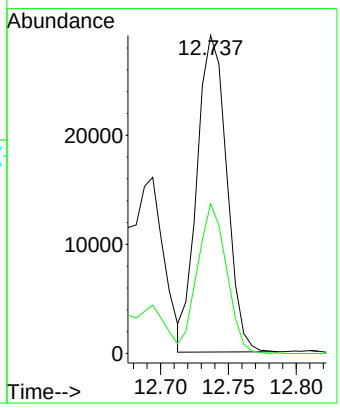


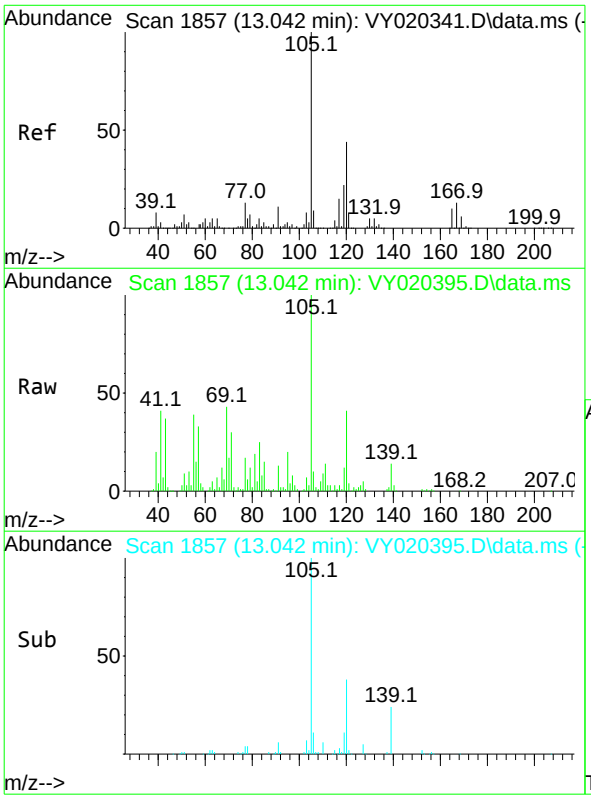
#80
1,3,5-Trimethylbenzene
Concen: 5.704 ug/l
RT: 12.737 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:105 Resp: 44208

Ion	Ratio	Lower	Upper
105	100		
120	46.3	24.3	72.8

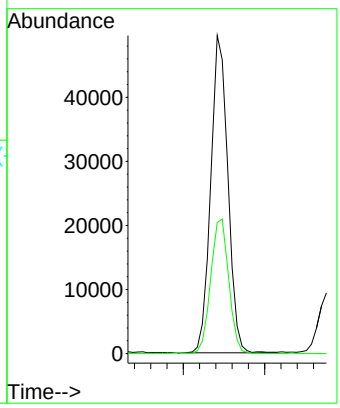


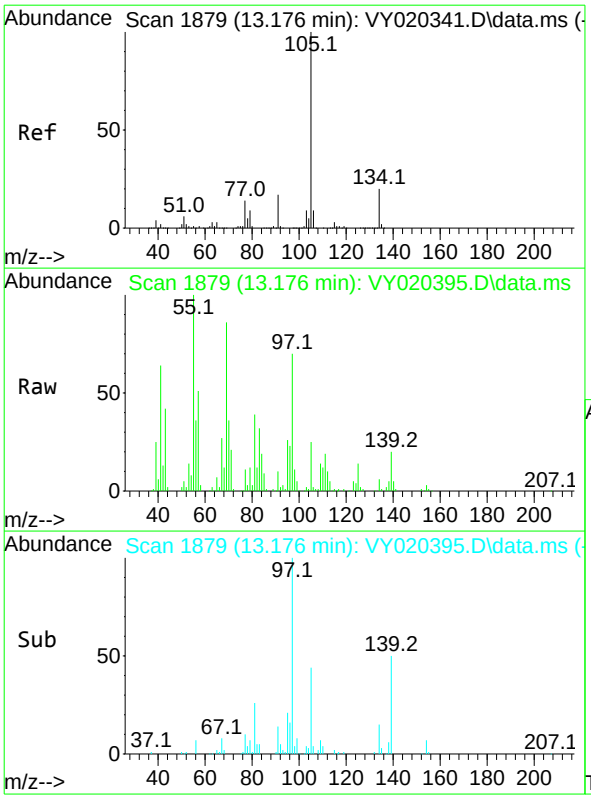


#84
1,2,4-Trimethylbenzene
Concen: 9.431 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:105 Resp: 72471

Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.0	66.0



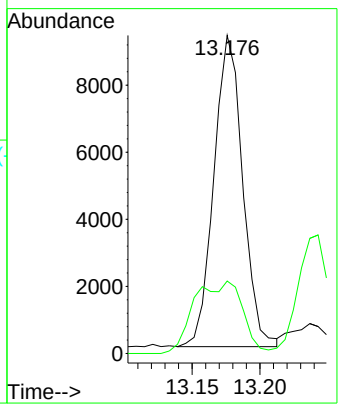


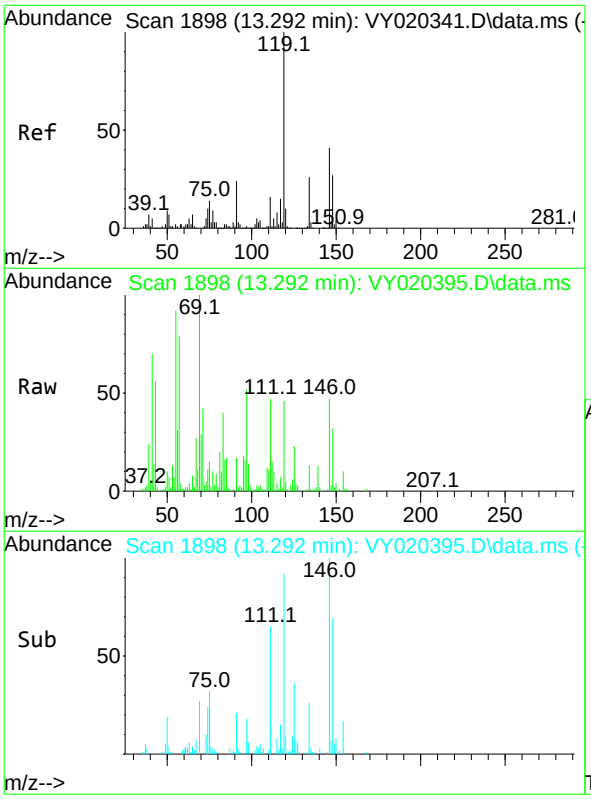
#85
sec-Butylbenzene
Concen: 1.272 ug/l
RT: 13.176 min Scan# 18
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:105 Resp: 13719

Ion	Ratio	Lower	Upper
105	100		
134	39.1	9.8	29.5#

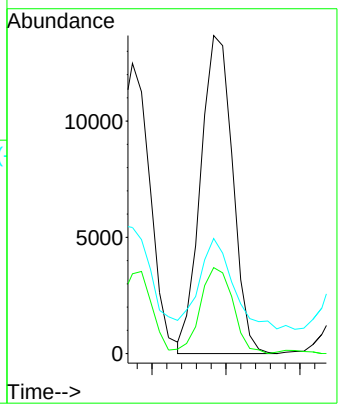


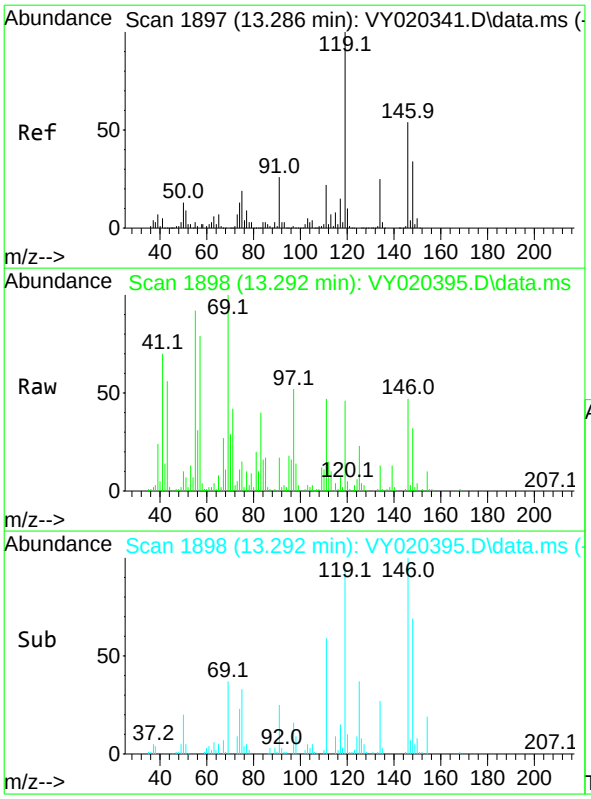


#86
p-Isopropyltoluene
Concen: 2.471 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:119 Resp: 20601

Ion	Ratio	Lower	Upper
119	100		
134	27.4	12.8	38.4
91	30.0	12.3	36.8



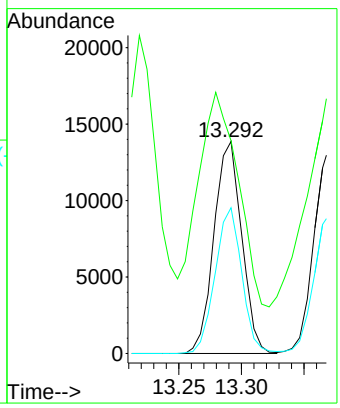


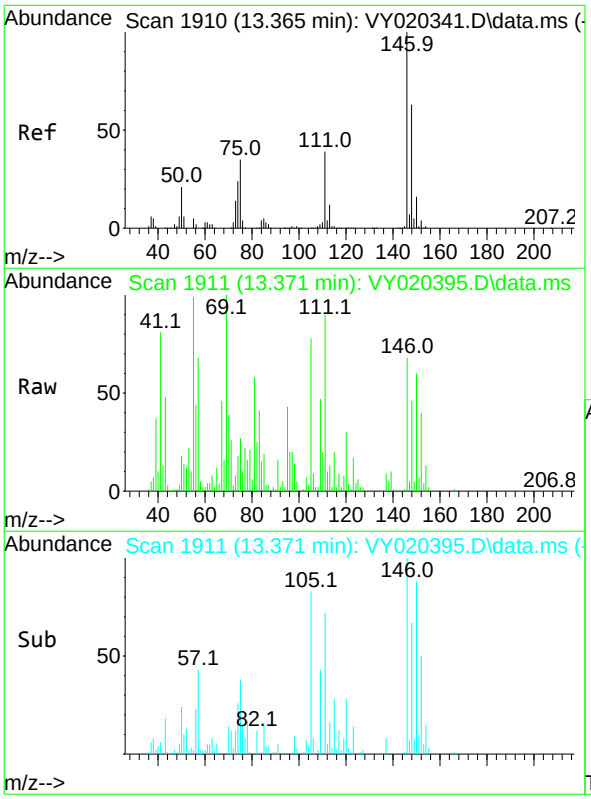
#87
1,3-Dichlorobenzene
Concen: 5.255 ug/l
RT: 13.292 min Scan# 18
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion:146 Resp: 21351

Ion	Ratio	Lower	Upper
146	100		
111	143.4	20.5	61.6#
148	66.3	32.1	96.5

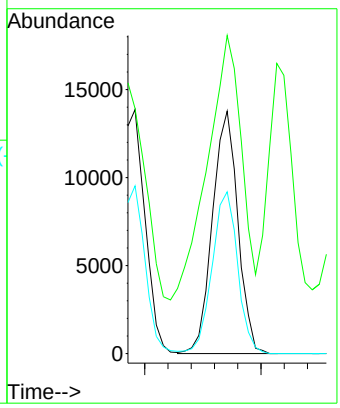


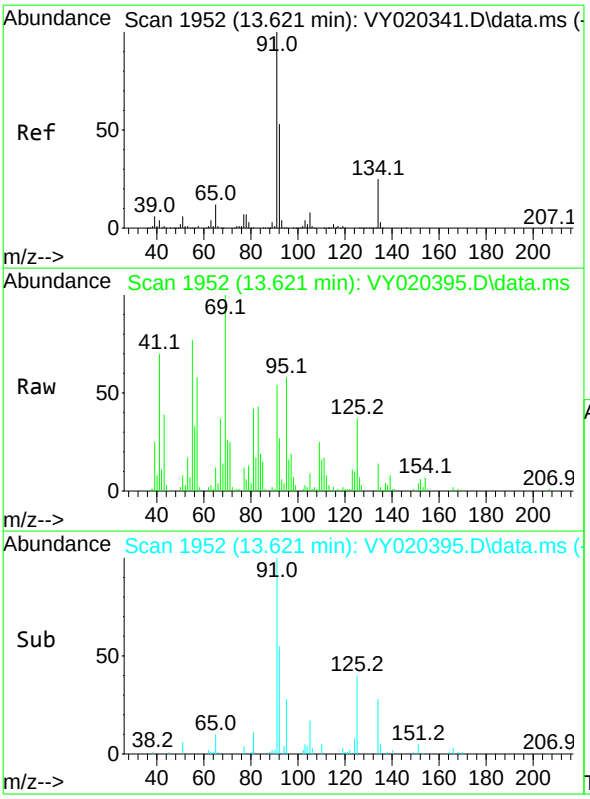


#88
1,4-Dichlorobenzene
Concen: 5.393 ug/l
RT: 13.371 min Scan# 1911
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:146 Resp: 20934

Ion	Ratio	Lower	Upper
146	100		
111	144.8	19.9	59.6#
148	67.2	32.0	96.2



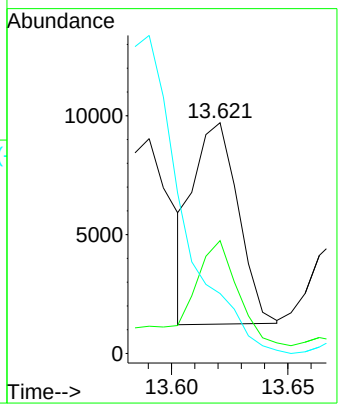


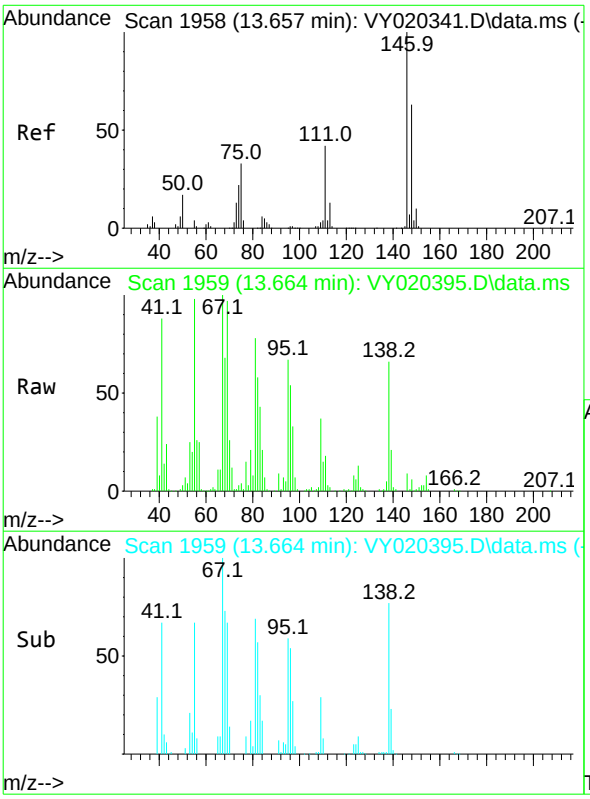
#89
n-Butylbenzene
Concen: 1.420 ug/l
RT: 13.621 min Scan# 19
Delta R.T. -0.000 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Tgt Ion: 91 Resp: 11336

Ion	Ratio	Lower	Upper
91	100		
92	57.7	26.5	79.5
134	0.0	12.2	36.4#

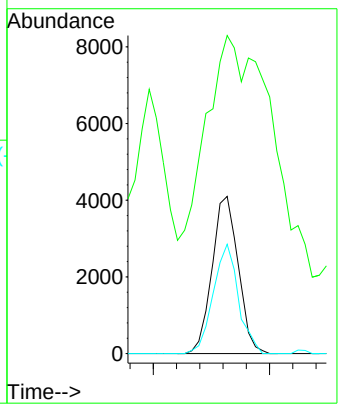




#91
1,2-Dichlorobenzene
Concen: 1.892 ug/l
RT: 13.664 min Scan# 1959
Delta R.T. 0.006 min
Lab File: VY020395.D
Acq: 21 Nov 2024 18:27

Tgt Ion:146 Resp: 6405

Ion	Ratio	Lower	Upper
146	100		
111	166.8	20.8	62.5#
148	66.9	31.8	95.4



Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020395.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	20	rBV2	16990	26567	1.84%	0.087%
2	3.873	341	353	372	rBV	21734	70645	4.89%	0.231%
3	4.110	382	392	407	rVB	16533	45186	3.13%	0.148%
4	4.629	460	477	484	rBV5	7807	35435	2.45%	0.116%
5	6.896	838	849	864	rBV3	11391	37222	2.57%	0.122%
6	7.634	960	970	976	rBV	130313	318528	22.03%	1.042%
7	7.707	976	982	990	rVV	204095	485643	33.59%	1.589%
8	7.793	990	996	1005	rVB3	22312	56284	3.89%	0.184%
9	7.921	1008	1017	1025	rBV2	33352	80370	5.56%	0.263%
10	8.073	1032	1042	1053	rBV3	228984	625093	43.23%	2.045%
11	8.250	1053	1071	1080	rVV	124115	363464	25.14%	1.189%
12	8.341	1080	1086	1097	rVB2	20495	46820	3.24%	0.153%
13	8.616	1120	1131	1141	rBV	350250	686234	47.46%	2.245%
14	8.853	1162	1170	1176	rBV	22298	48857	3.38%	0.160%
15	9.109	1196	1212	1218	rBV4	141037	350849	24.26%	1.148%
16	9.170	1218	1222	1229	rVB2	58117	105241	7.28%	0.344%
17	9.298	1238	1243	1249	rVV3	12663	28298	1.96%	0.093%
18	9.390	1249	1258	1265	rVB4	29262	74248	5.13%	0.243%
19	9.542	1275	1283	1292	rVB2	89352	180843	12.51%	0.592%
20	9.676	1295	1305	1311	rBV3	80622	184820	12.78%	0.605%
21	9.744	1311	1316	1320	rVV3	21391	39307	2.72%	0.129%
22	9.780	1320	1322	1328	rVB4	21277	31235	2.16%	0.102%
23	9.884	1328	1339	1343	rBV4	33816	108484	7.50%	0.355%
24	10.042	1359	1365	1369	rVB	58694	99900	6.91%	0.327%
25	10.109	1369	1376	1391	rVB	600276	1164110	80.51%	3.809%
26	10.274	1398	1403	1405	rBV2	25392	39565	2.74%	0.129%
27	10.408	1415	1425	1427	rBV5	23605	46386	3.21%	0.152%
28	10.451	1427	1432	1441	rVB	51206	94103	6.51%	0.308%
29	10.548	1441	1448	1453	rBV4	39127	108176	7.48%	0.354%
30	10.591	1453	1455	1459	rVV3	20885	26081	1.80%	0.085%
31	10.640	1459	1463	1468	rVB	48262	71838	4.97%	0.235%
32	10.731	1468	1478	1484	rBV	113426	199780	13.82%	0.654%
33	10.829	1484	1494	1502	rBV	108127	250373	17.32%	0.819%
34	10.902	1502	1506	1509	rBV2	35226	55920	3.87%	0.183%
35	10.963	1512	1516	1520	rVV	76942	117452	8.12%	0.384%
36	11.018	1520	1525	1530	rVV	202463	348603	24.11%	1.141%

Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-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\82Y111924S.M
Title : SW846 8260

37	11.073	1530	1534	1538	rVB2	40990	57336	3.97%	0.188%
38	11.134	1538	1544	1548	rBV3	98218	174812	12.09%	0.572%
39	11.176	1548	1551	1553	rVV2	54658	85555	5.92%	0.280%
40	11.219	1554	1558	1567	rVB2	138521	297324	20.56%	0.973%
41	11.310	1567	1573	1577	rBV	115244	208236	14.40%	0.681%
42	11.414	1583	1590	1600	rBV	547596	985610	68.16%	3.225%
43	11.493	1600	1603	1609	rBV4	24224	49575	3.43%	0.162%
44	11.554	1609	1613	1616	rVB	55220	74907	5.18%	0.245%
45	11.615	1616	1623	1627	rBV3	188592	440075	30.44%	1.440%
46	11.664	1627	1631	1635	rVV2	226782	356590	24.66%	1.167%
47	11.707	1635	1638	1643	rVB2	180150	270893	18.73%	0.886%
48	11.768	1643	1648	1651	rBV	74909	141331	9.77%	0.462%
49	11.804	1651	1654	1659	rVB2	34405	63645	4.40%	0.208%
50	11.865	1659	1664	1667	rBV2	117024	164448	11.37%	0.538%
51	11.932	1667	1675	1682	rBV4	433398	1400840	96.88%	4.583%
52	12.018	1686	1689	1690	rBV	68803	75323	5.21%	0.246%
53	12.048	1690	1694	1698	rVB	549066	776415	53.70%	2.540%
54	12.127	1698	1707	1709	rBV4	432115	808372	55.91%	2.645%
55	12.164	1709	1713	1718	rVB3	586293	1038546	71.82%	3.398%
56	12.249	1718	1727	1730	rBV6	95356	226860	15.69%	0.742%
57	12.298	1730	1735	1741	rVB4	329127	707909	48.96%	2.316%
58	12.353	1741	1744	1746	rVB	49912	55041	3.81%	0.180%
59	12.408	1746	1753	1759	rVB4	566122	1203237	83.21%	3.937%
60	12.499	1759	1768	1771	rBV5	267302	685654	47.42%	2.243%
61	12.566	1772	1779	1786	rVB4	574284	1445949	100.00%	4.731%
62	12.658	1786	1794	1798	rBV5	411483	1001087	69.23%	3.275%
63	12.737	1799	1807	1812	rBV6	554080	1391309	96.22%	4.552%
64	12.786	1813	1815	1821	rVB3	338089	448509	31.02%	1.467%
65	12.871	1821	1829	1833	rBV6	301207	679622	47.00%	2.224%
66	12.920	1833	1837	1841	rBV3	193201	347062	24.00%	1.136%
67	12.962	1841	1844	1846	rBV2	119817	146771	10.15%	0.480%
68	13.048	1854	1858	1862	rVB4	157687	246189	17.03%	0.805%
69	13.097	1862	1866	1871	rBV2	257448	452011	31.26%	1.479%
70	13.145	1872	1874	1876	rBV2	63990	68650	4.75%	0.225%
71	13.212	1881	1885	1887	rVV3	306016	454171	31.41%	1.486%
72	13.243	1888	1890	1894	rVV2	363660	442711	30.62%	1.448%
73	13.279	1894	1896	1901	rVB5	176095	266591	18.44%	0.872%
74	13.347	1902	1907	1913	rBV	374992	729798	50.47%	2.388%
75	13.487	1926	1930	1934	rVB4	123670	183405	12.68%	0.600%
76	13.548	1935	1940	1944	rBV4	84976	200340	13.86%	0.655%

Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-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\82Y111924S.M
Title : SW846 8260

77	13.670	1954	1960	1965	rBV2	500231	862894	59.68%	2.823%
78	13.718	1965	1968	1971	rBV2	72949	96028	6.64%	0.314%
79	13.840	1985	1988	1993	rBV4	105532	228458	15.80%	0.747%
80	13.889	1993	1996	2002	rVB3	191290	305899	21.16%	1.001%
81	13.999	2010	2014	2019	rVB3	158476	238462	16.49%	0.780%
82	14.066	2019	2025	2031	rVB6	104517	240557	16.64%	0.787%
83	14.127	2031	2035	2039	rBV5	58453	102967	7.12%	0.337%
84	14.182	2039	2044	2053	rBV6	243344	685484	47.41%	2.243%
85	14.255	2053	2056	2060	rVB	120066	163261	11.29%	0.534%
86	14.304	2060	2064	2067	rBV3	113756	178859	12.37%	0.585%
87	14.340	2067	2070	2075	rVB2	212659	299960	20.74%	0.981%
88	14.487	2090	2094	2099	rBV3	49364	78476	5.43%	0.257%
89	14.535	2099	2102	2106	rVB2	67927	81736	5.65%	0.267%
90	14.602	2106	2113	2118	rBV3	156253	361560	25.01%	1.183%
91	14.651	2118	2121	2128	rVB3	144647	244078	16.88%	0.799%
92	14.712	2128	2131	2132	rBV2	25509	28435	1.97%	0.093%
93	14.865	2152	2156	2160	rVB3	77118	98403	6.81%	0.322%
94	15.133	2195	2200	2207	rBV2	121335	254664	17.61%	0.833%
95	15.255	2217	2220	2225	rBV6	27755	48207	3.33%	0.158%
96	15.346	2232	2235	2243	rVB9	36178	70323	4.86%	0.230%
97	15.432	2244	2249	2251	rBV4	26241	54587	3.78%	0.179%
98	15.517	2259	2263	2268	rVB3	66414	112566	7.78%	0.368%
99	16.053	2347	2351	2359	rVB	65257	108059	7.47%	0.354%
100	16.370	2398	2403	2411	rBV4	49633	116042	8.03%	0.380%

Sum of corrected areas: 30564634

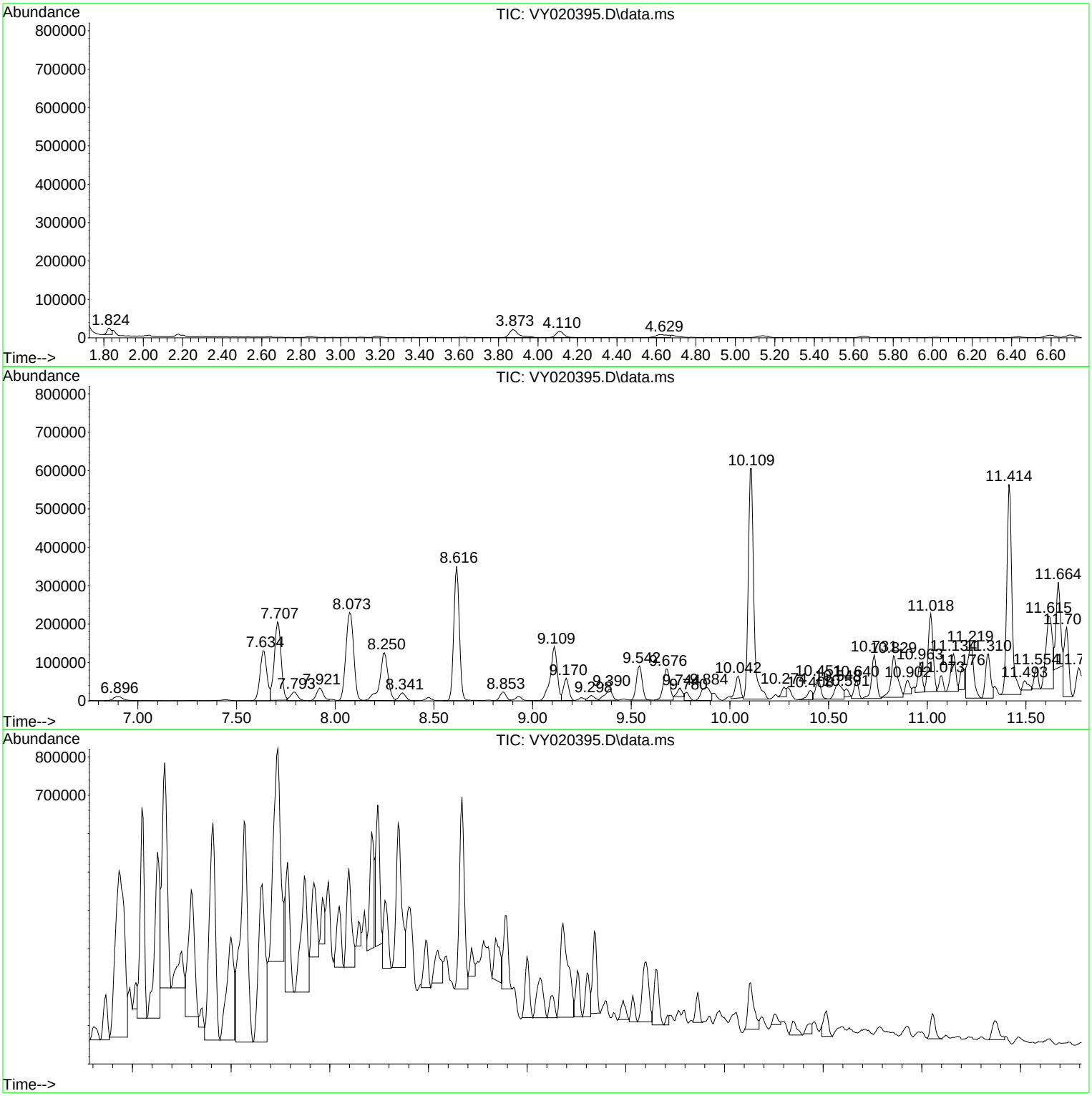
Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

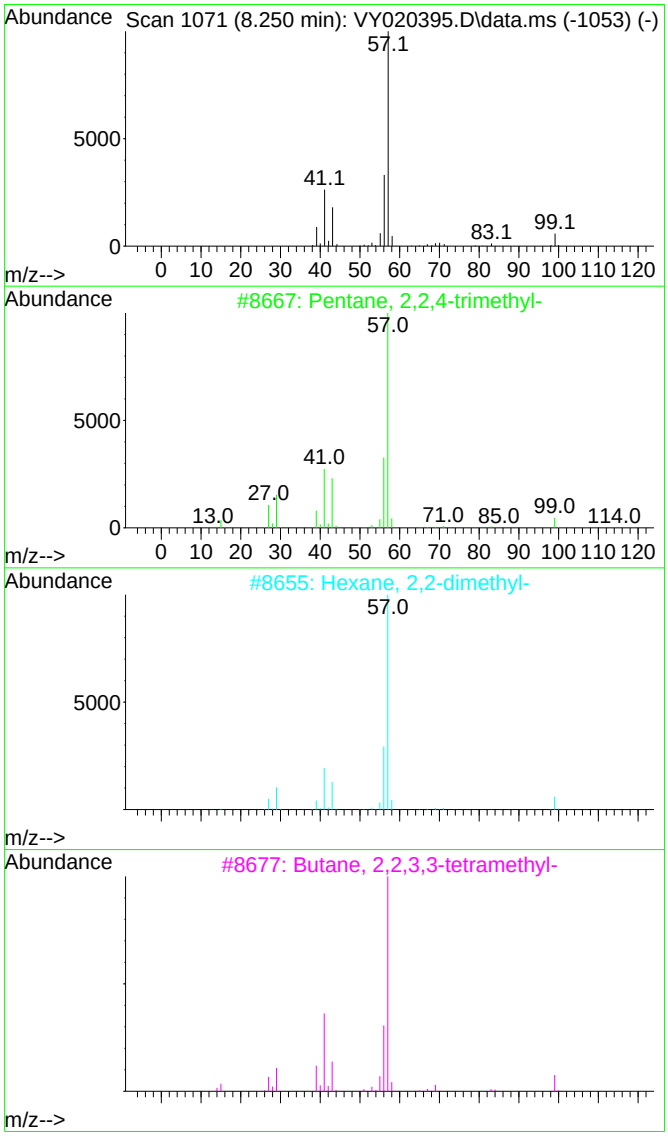
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

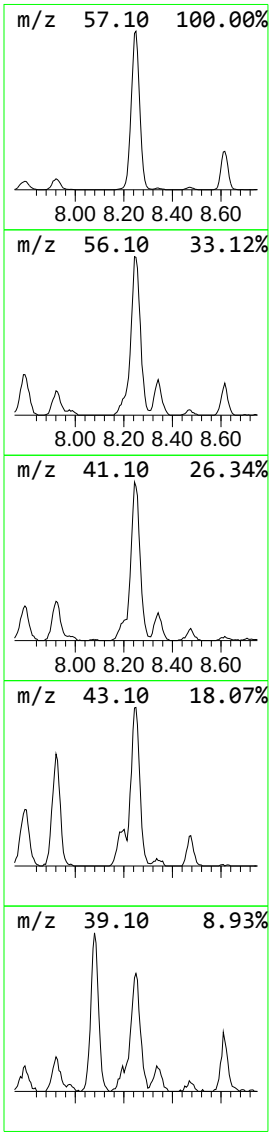
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2,2,4-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.250	26.48 ug/l	363464	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

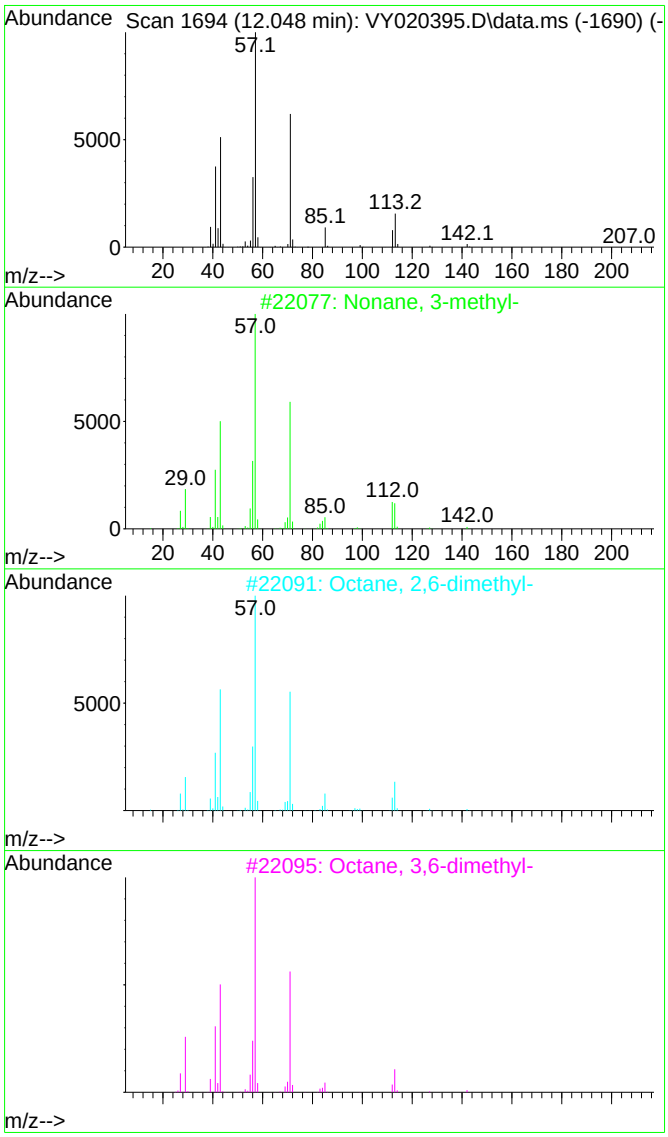
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

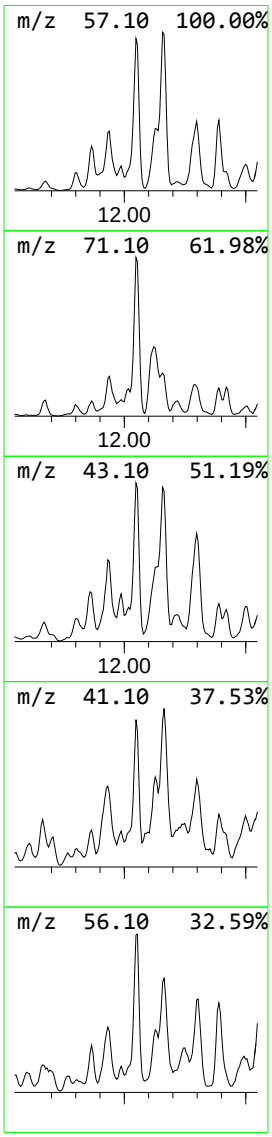
****

Peak Number 2 Nonane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.048	39.39 ug/l	776415	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
4	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	59





Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

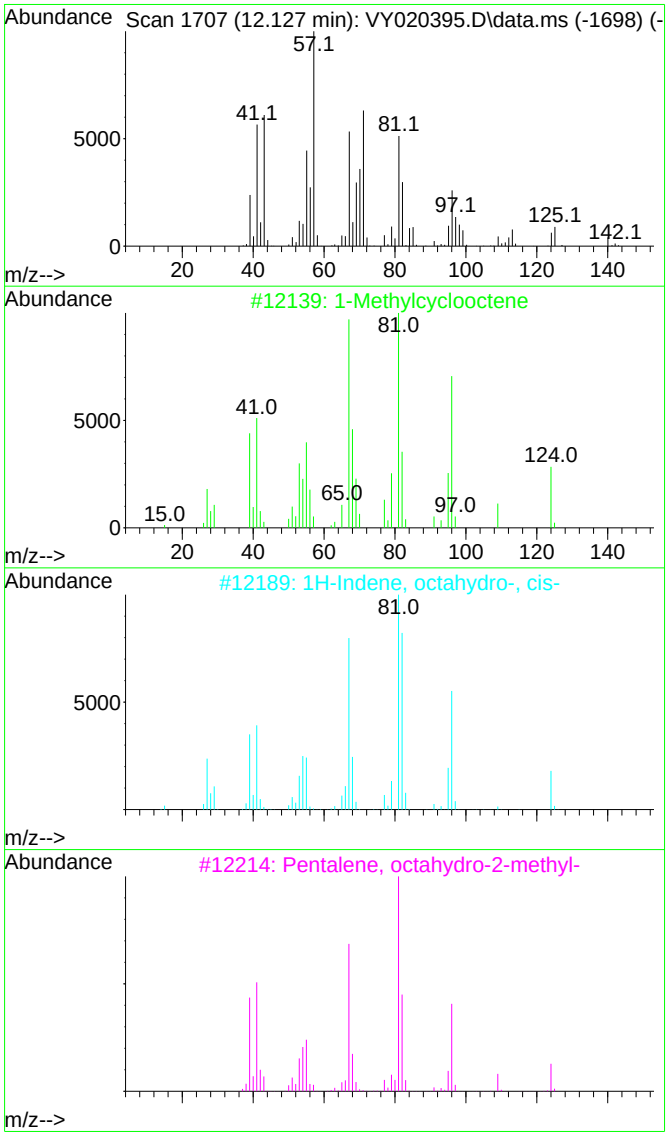
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

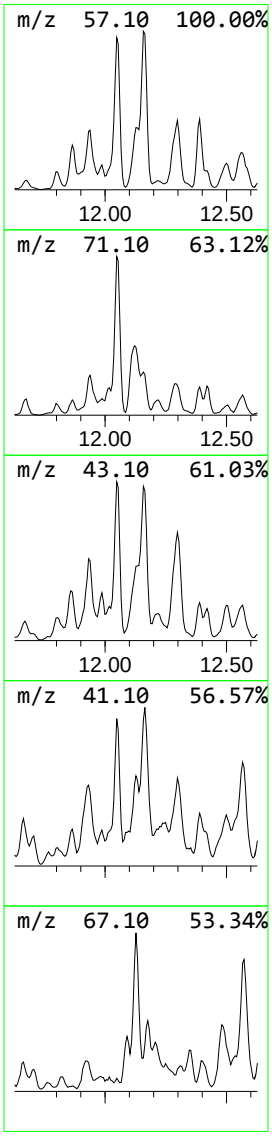
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown12.127 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.127	41.01 ug/l	808372	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcyclooctene	124	C9H16	000933-11-9	42
2	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	38
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	35
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	30
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	30





Sample Results: **VY020395.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

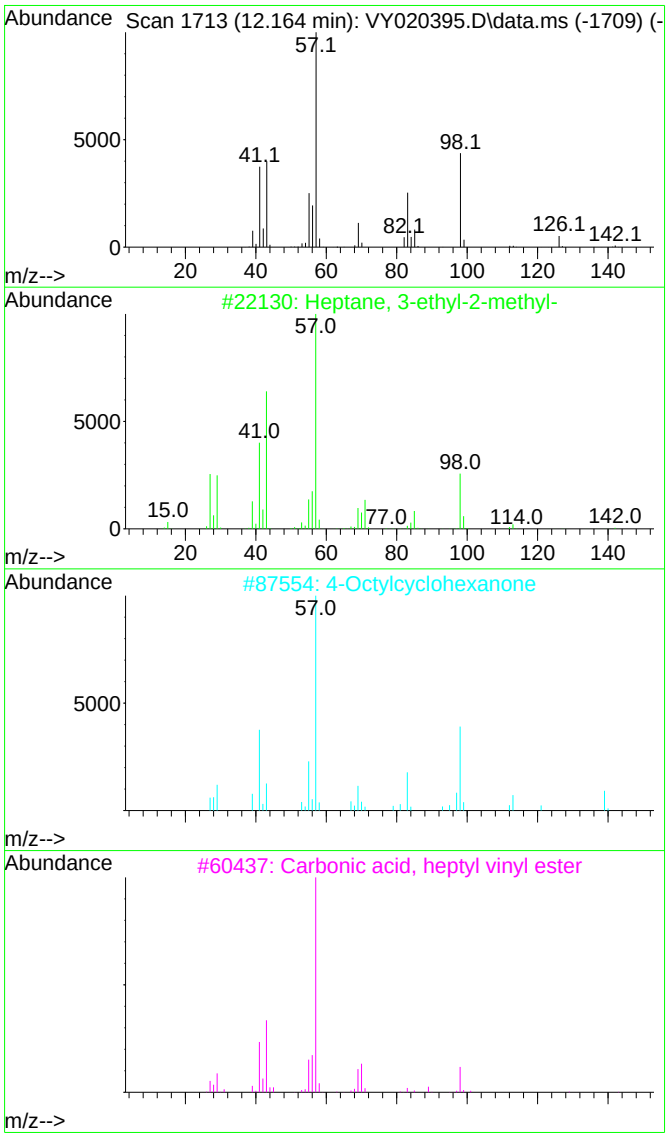
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

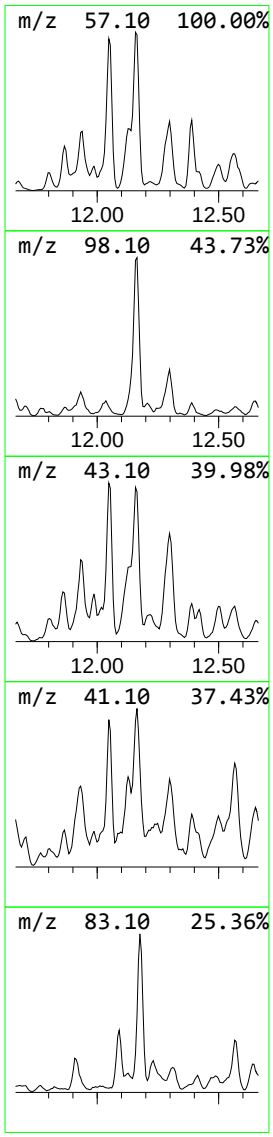
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 unknown12.164 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.164	52.69 ug/l	1038550	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	47
2	4-Octylcyclohexanone	210	C14H26O	1000428-94-1	45
3	Carbonic acid, heptyl vinyl ester	186	C10H18O3	1010383-25-4	40
4	2,2-Dimethyl-3-pentanol, chlorod...	228	C9H15ClF2O2	1000376-26-4	38
5	Carbonic acid, heptyl prop-1-en-...	200	C11H20O3	1000382-54-1	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

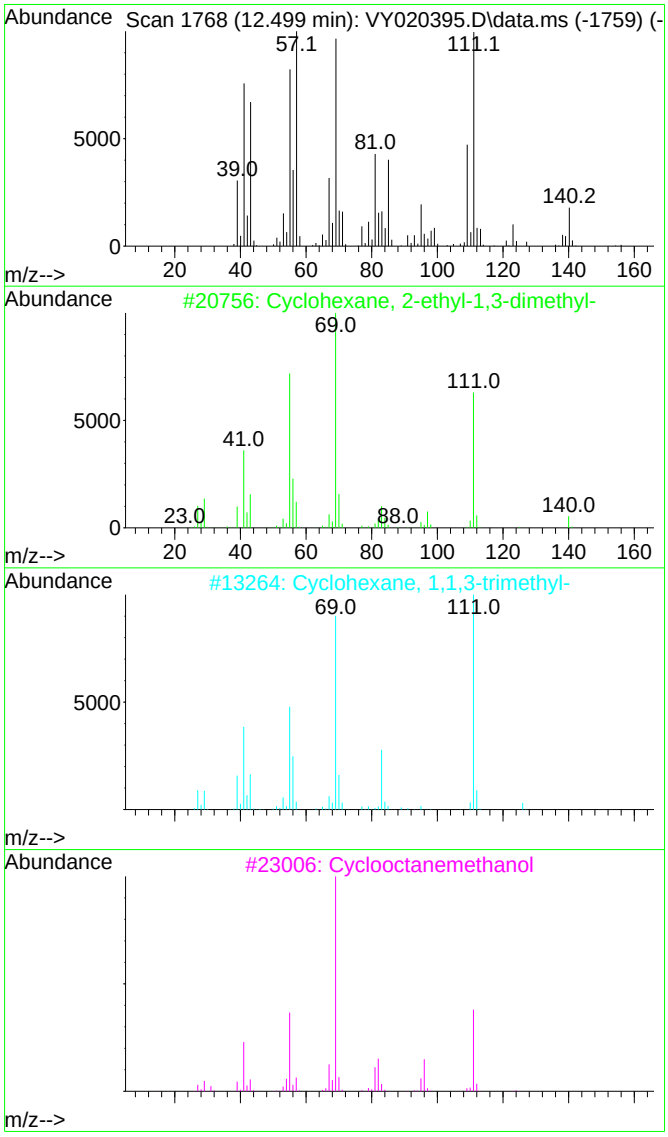
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

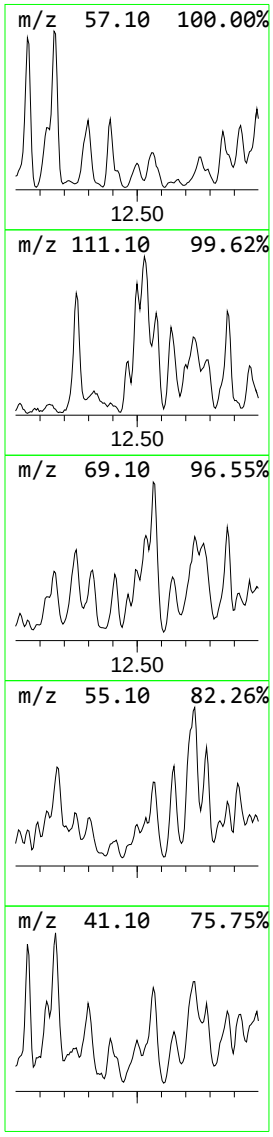
****

Peak Number 5 unknown12.499 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.499	46.98 ug/l	685654	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	49
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	46
3	Cyclooctanemethanol	142	C9H18O	003637-63-6	43
4	2-(Butyliden-2-one)tetrahydrofuran	140	C8H12O2	343270-50-8	43
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

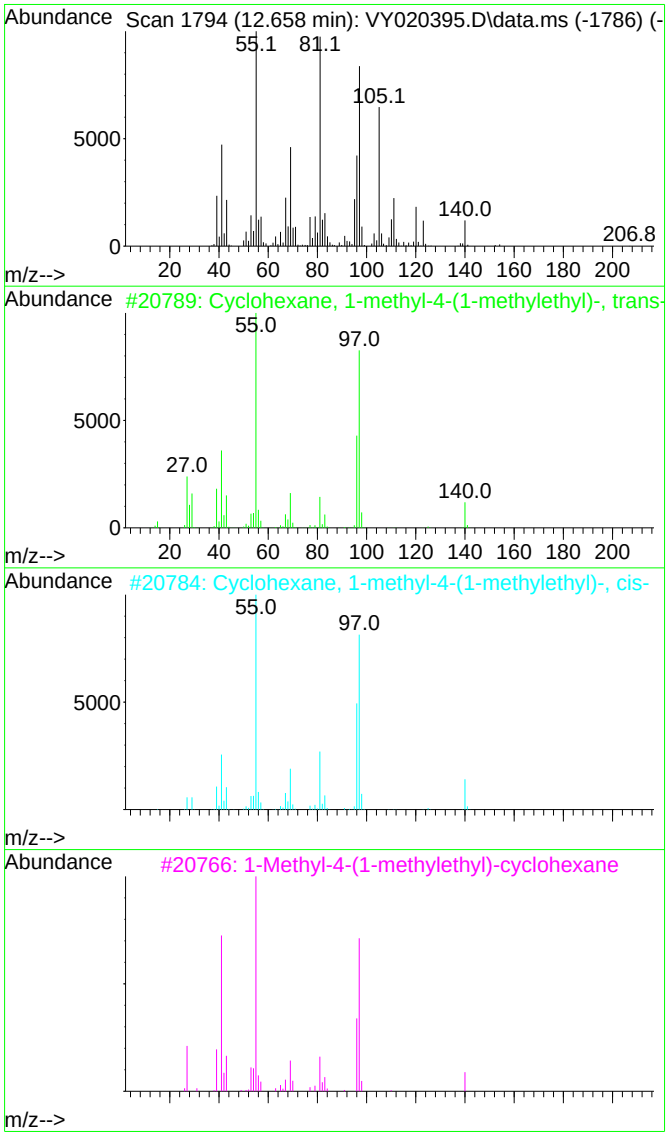
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

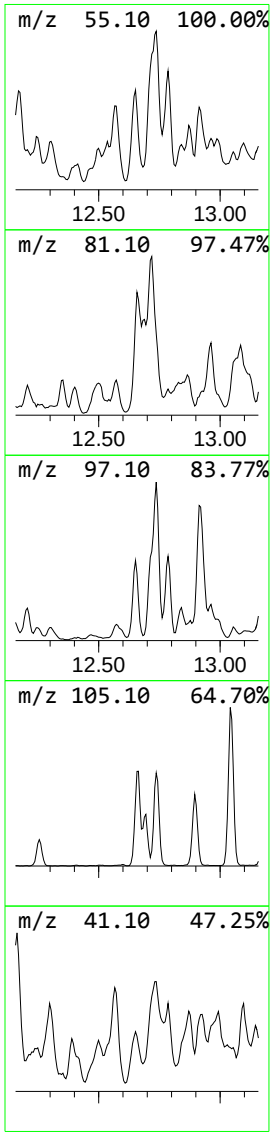
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown12.658 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.658	68.59 ug/l	1001090	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	43
4	6-Methyl-bicyclo[4.2.0]octan-7-one	138	C9H14O	1010193-87-2	43
5	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

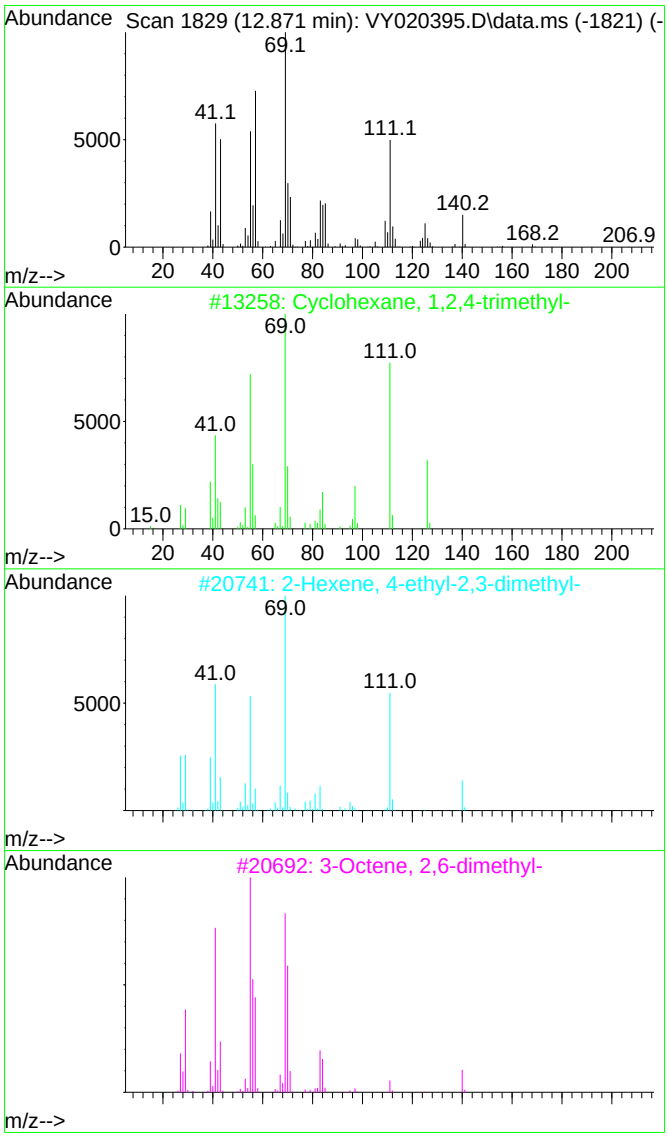
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

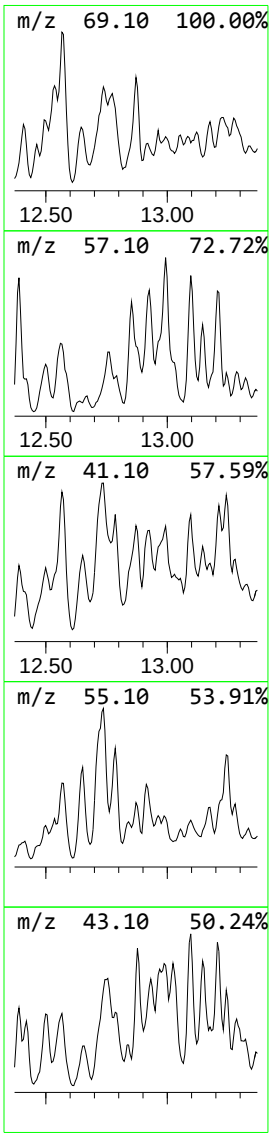
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.871	46.56 ug/l	679622	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	60
2	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	49
3	3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	47
4	Cyclooctane, ethyl-	140	C10H20	013152-02-8	43
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

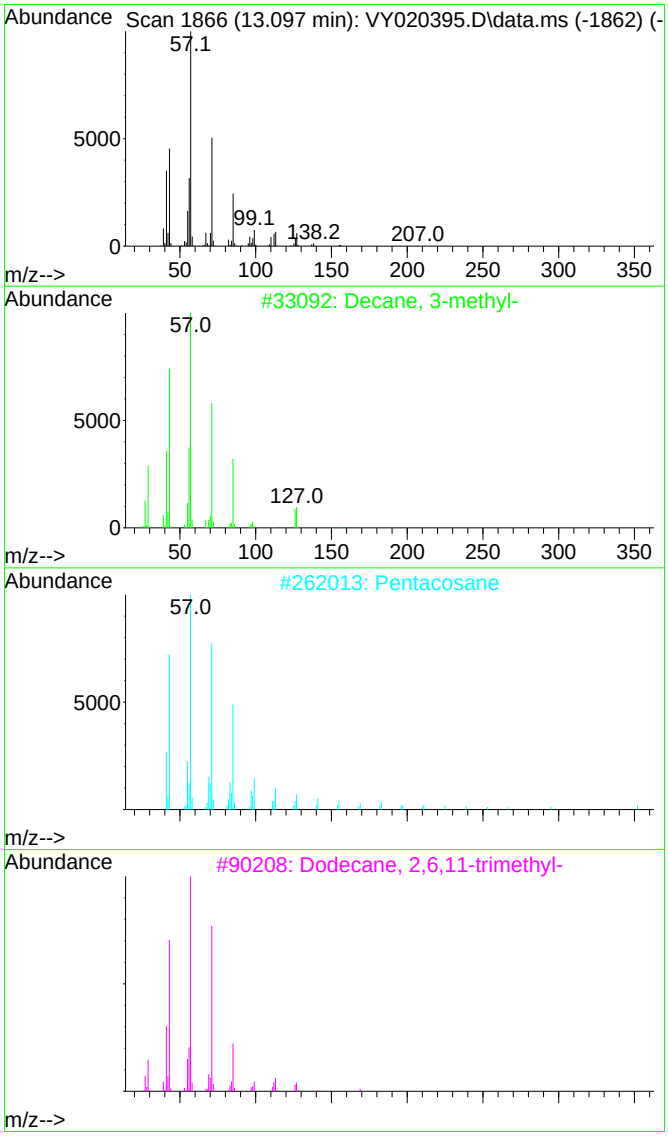
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

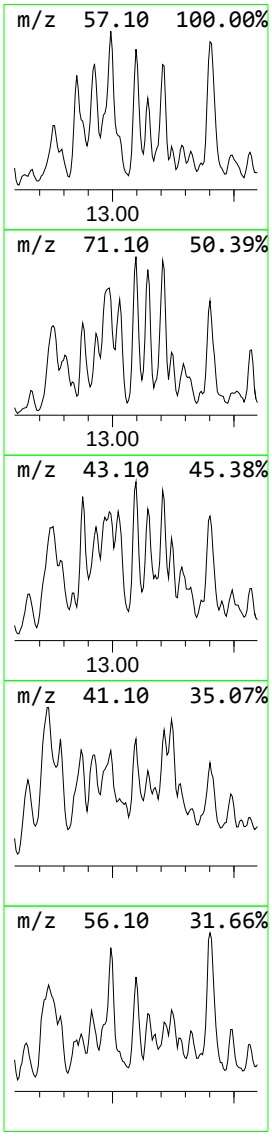
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Decane, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.097	30.97 ug/l	452011	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	70
2	Pentacosane	352	C25H52	000629-99-2	59
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

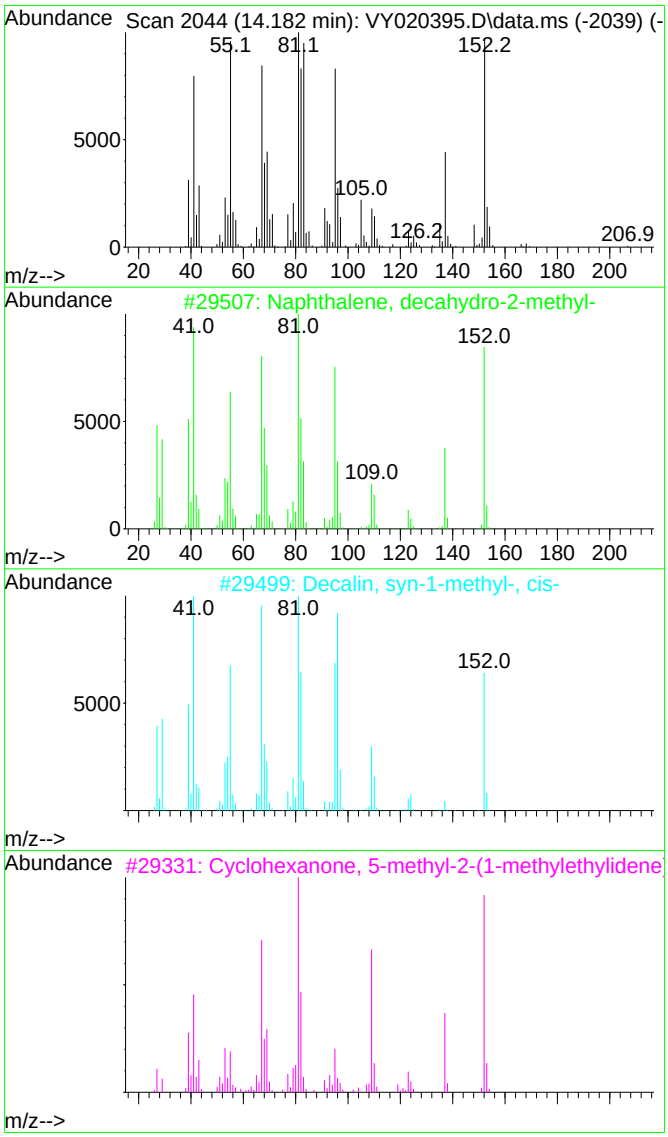
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

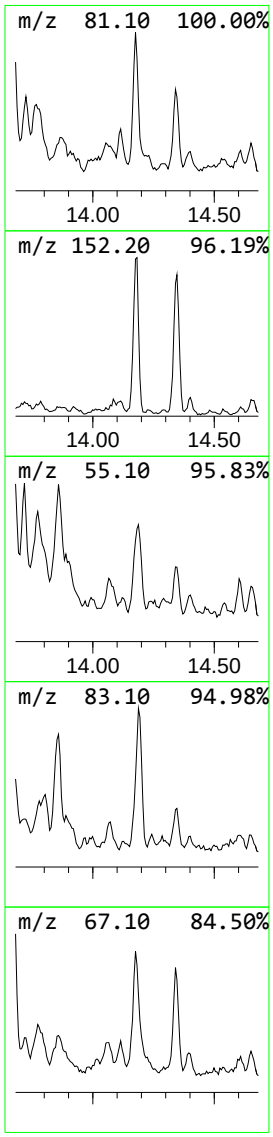
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	46.96 ug/l	685484	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	89
2	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	68
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	60
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
5	Cycloundecene (Z)	152	C11H20	013151-61-6	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

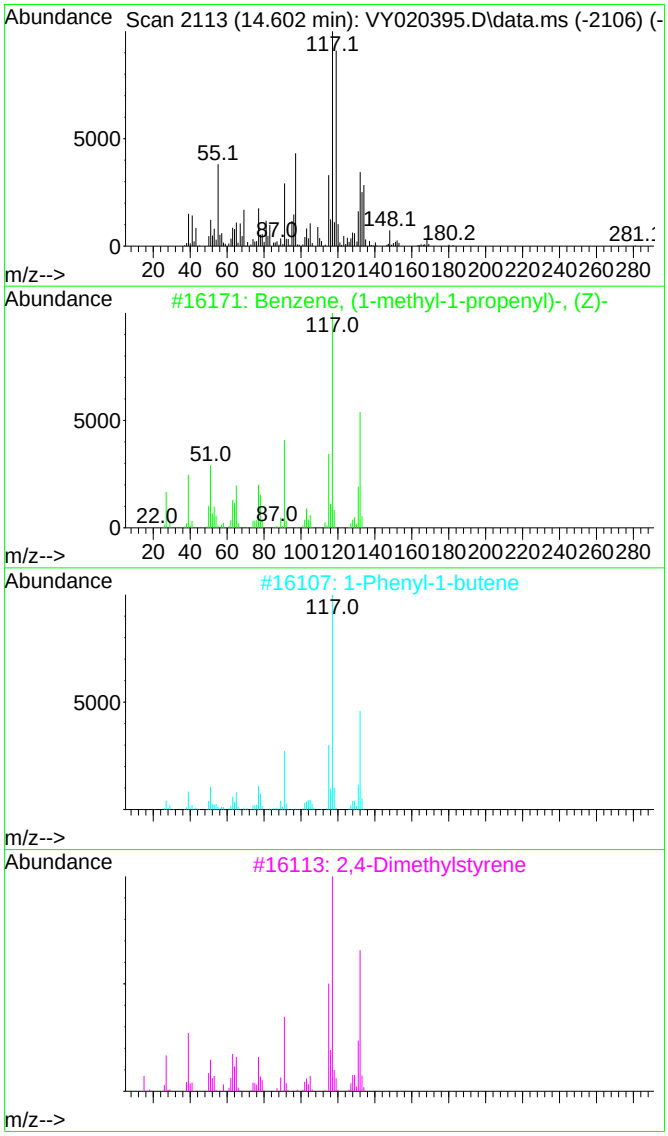
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

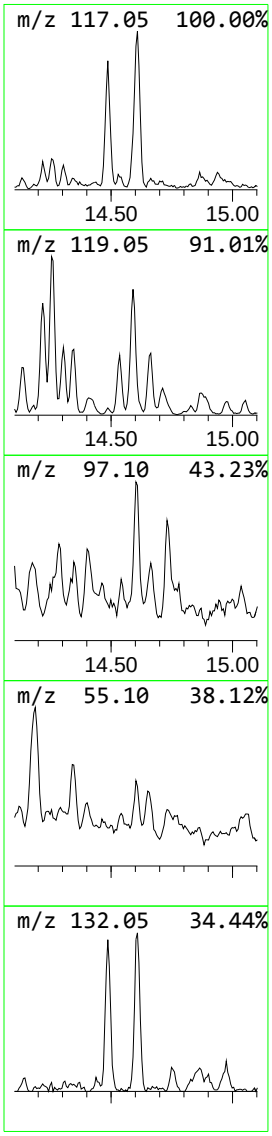
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, (1-methyl-1-propen... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	24.77 ug/l	361560	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	84
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	64
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	52
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020395.D
Acq On : 21 Nov 2024 18:27
Operator : SY/MD
Sample : P4892-01
Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-TOP

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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
Pentane, 2,2,4-...	8.250	26.5	ug/l	363464	2	8.616	686234	50.0
Nonane, 3-methyl-	12.048	39.4	ug/l	776415	3	11.414	985610	50.0
unknown12.127	12.127	41.0	ug/l	808372	3	11.414	985610	50.0
unknown12.164	12.164	52.7	ug/l	1038550	3	11.414	985610	50.0
unknown12.499	12.499	47.0	ug/l	685654	4	13.347	729798	50.0
unknown12.658	12.658	68.6	ug/l	1001090	4	13.347	729798	50.0
Cyclohexane, 1,...	12.871	46.6	ug/l	679622	4	13.347	729798	50.0
Decane, 3-methyl-	13.097	31.0	ug/l	452011	4	13.347	729798	50.0
Naphthalene, de...	14.182	47.0	ug/l	685484	4	13.347	729798	50.0
Benzene, (1-met...	14.602	24.8	ug/l	361560	4	13.347	729798	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Quant Time: Nov 22 23:58:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	149521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	283533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	251330	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	91188	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	80176	46.673	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.340%		
35) Dibromofluoromethane	7.640	113	86936	47.817	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.640%		
50) Toluene-d8	10.109	98	339071	47.344	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.680%		
62) 4-Bromofluorobenzene	12.408	95	105655	45.891	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	91.780%		
Target Compounds						Qvalue

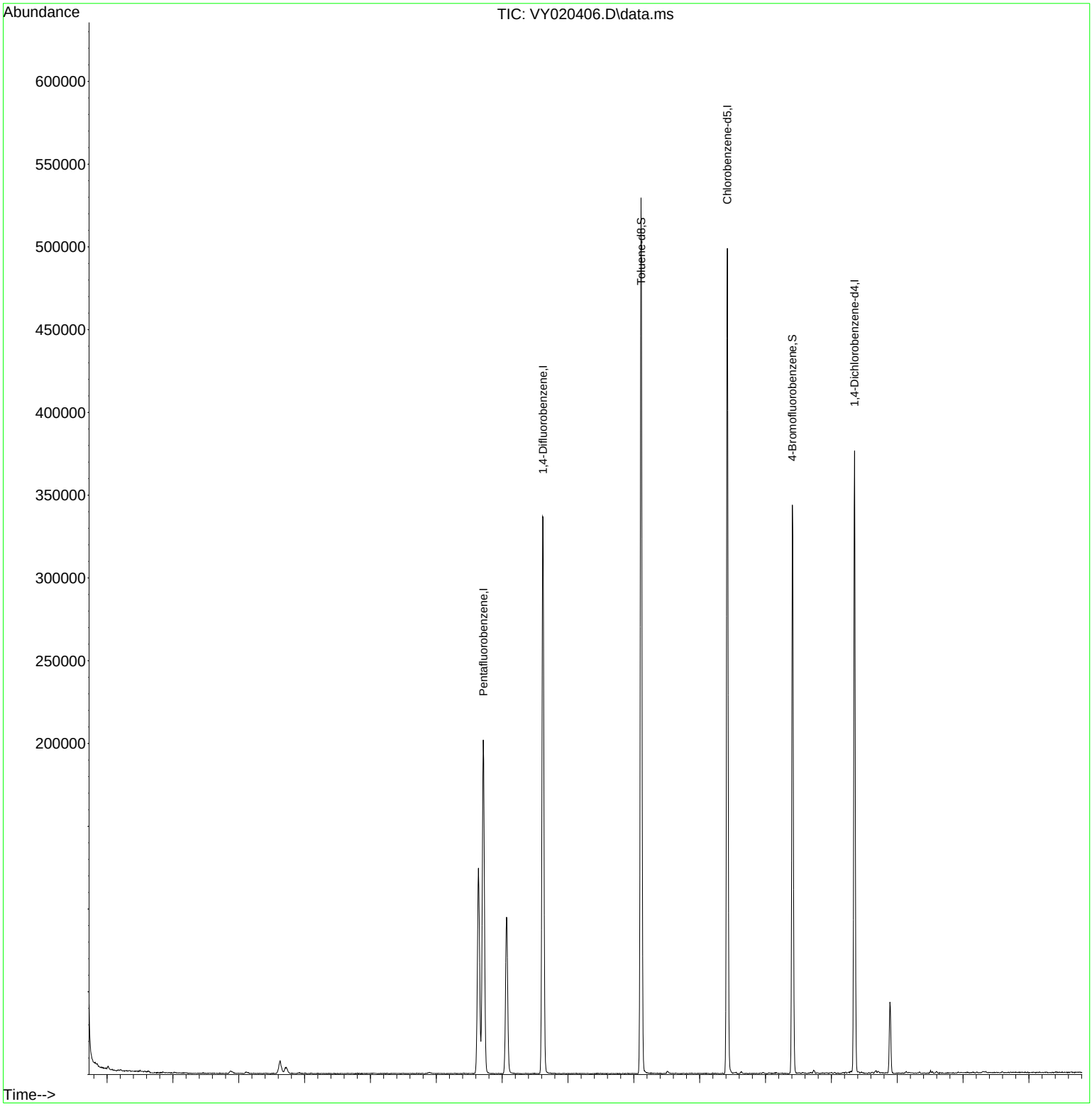
(#) = qualifier out of range (m) = manual integration (+) = signals summed

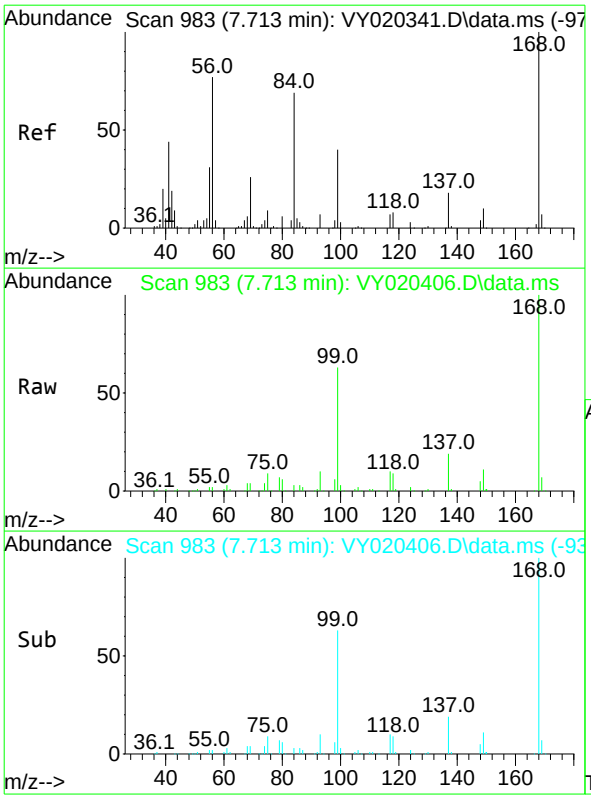
Sample Results: **VY020406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Quant Time: Nov 22 23:58:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



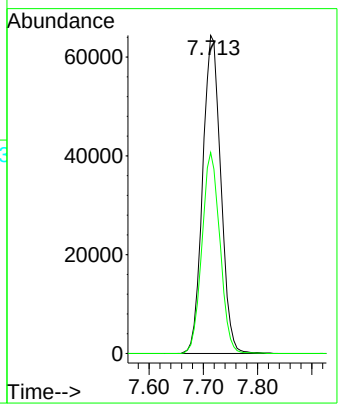


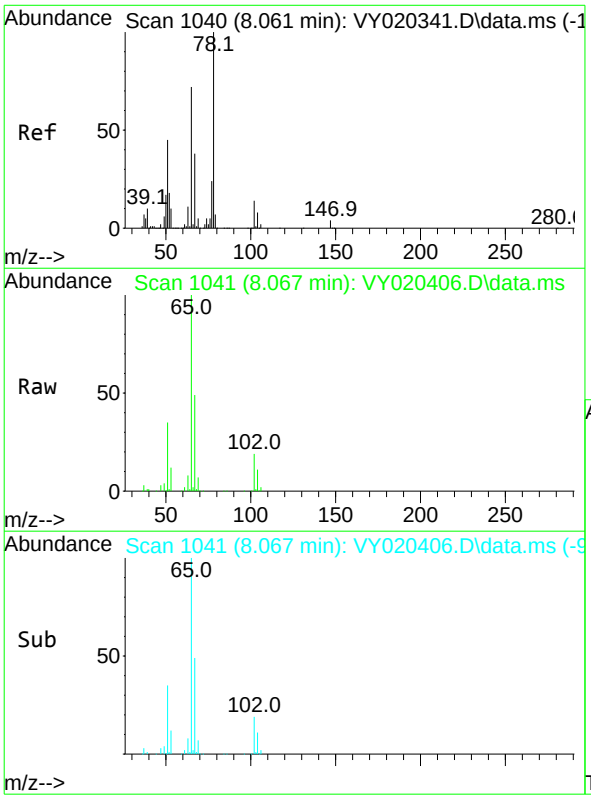
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Tgt Ion:168 Resp: 149521

Ion	Ratio	Lower	Upper
168	100		
99	63.2	46.6	69.8

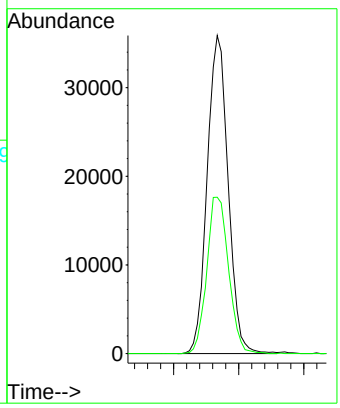


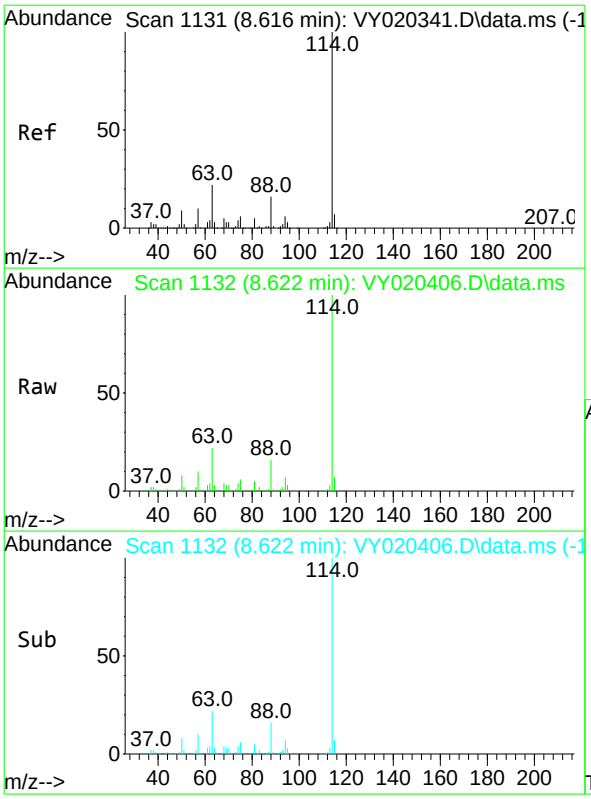


#33
1,2-Dichloroethane-d4
Concen: 46.673 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Tgt Ion: 65 Resp: 80176

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	105.8



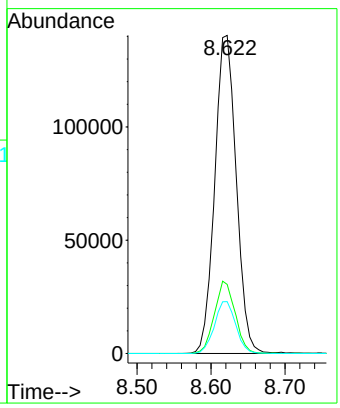


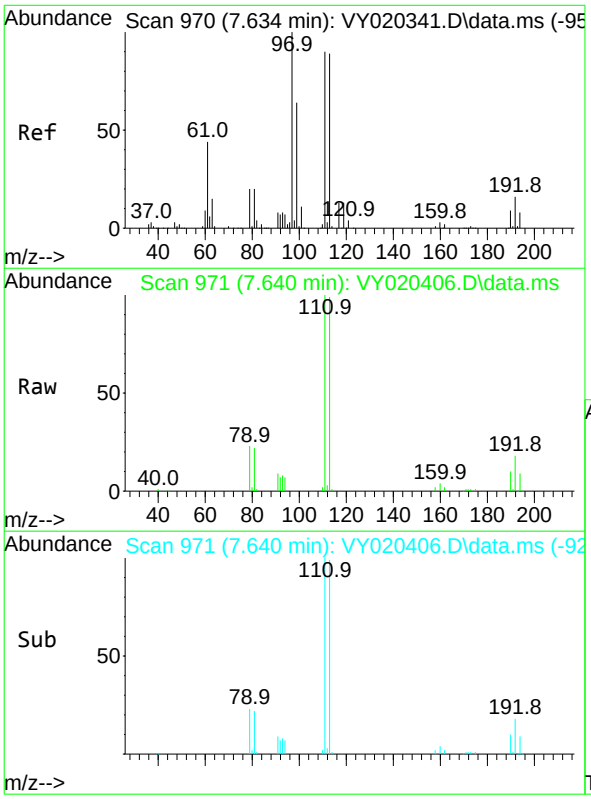
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Tgt Ion:114 Resp: 283533

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	44.8
88	16.3	0.0	32.0

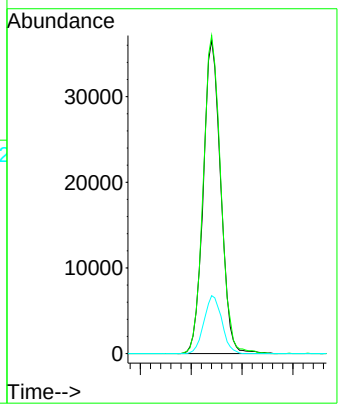


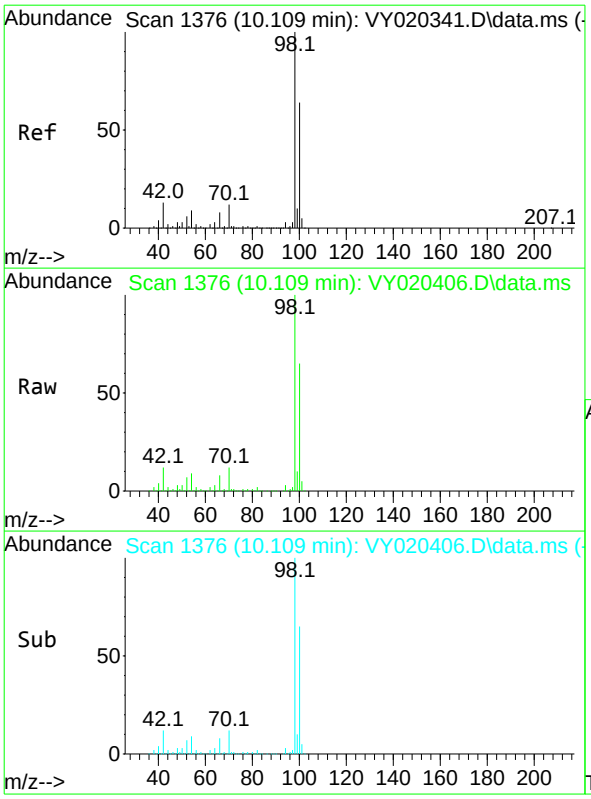


#35
Dibromofluoromethane
Concen: 47.817 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Tgt Ion:113 Resp: 86936

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	18.9	15.1	22.7



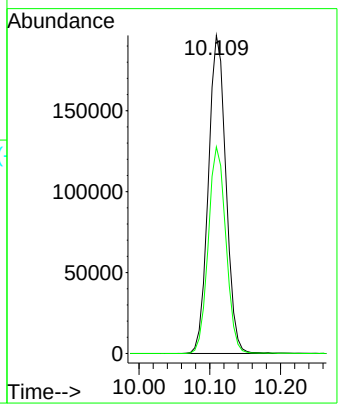


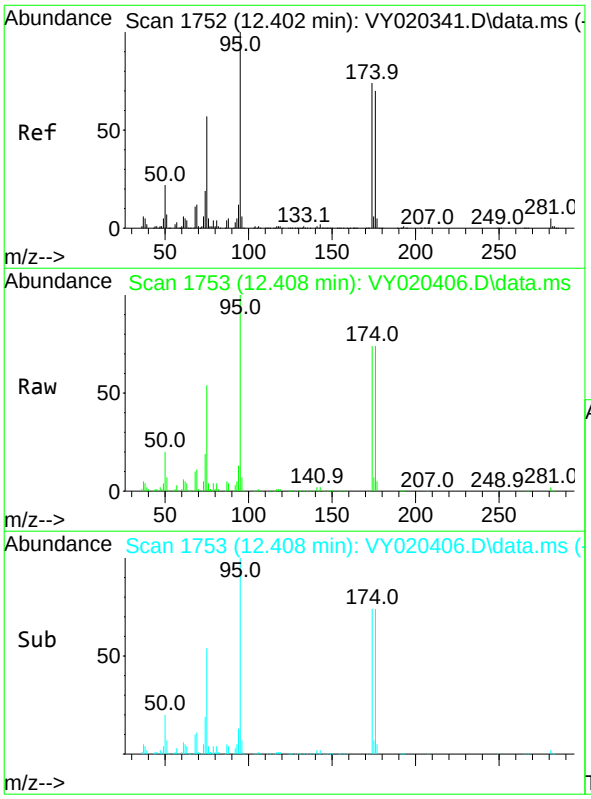
#50
Toluene-d8
Concen: 47.344 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Tgt Ion: 98 Resp: 339071

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.3	76.9

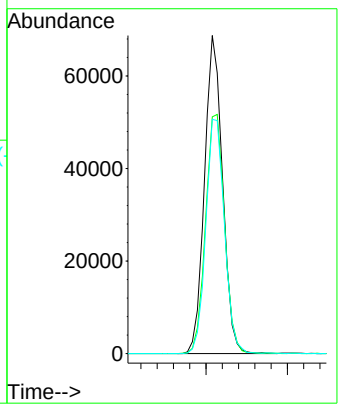


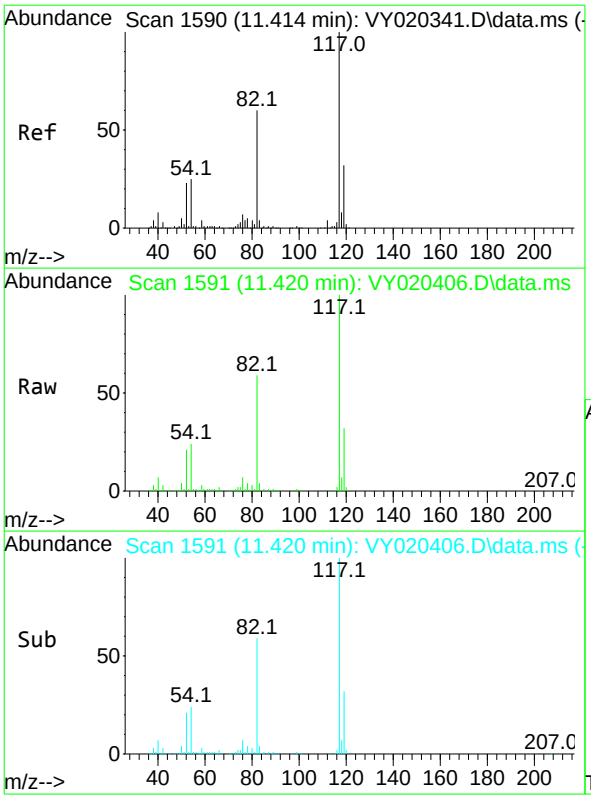


#62
4-Bromofluorobenzene
Concen: 45.891 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Tgt Ion: 95 Resp: 105655

Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	156.8
176	76.0	0.0	152.0



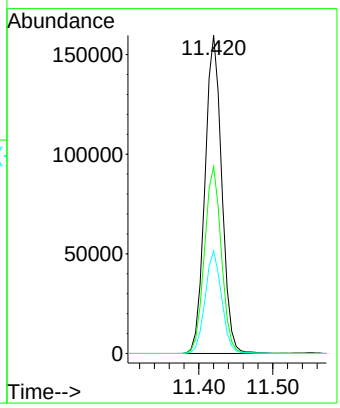


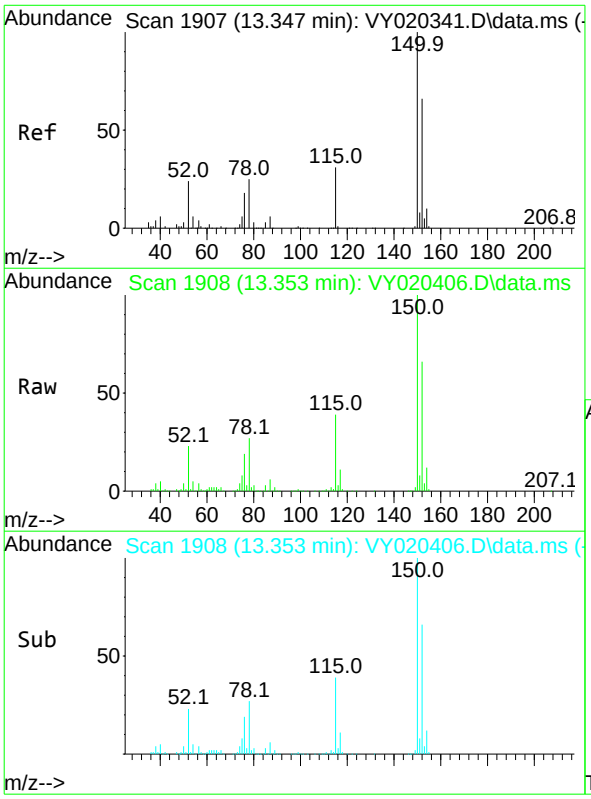
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Tgt Ion:117 Resp: 251330

Ion	Ratio	Lower	Upper
117	100		
82	58.7	48.2	72.4
119	32.2	25.8	38.8

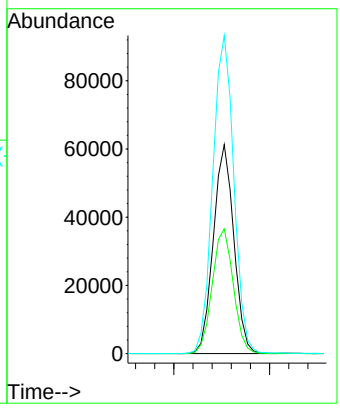




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020406.D
Acq: 22 Nov 2024 12:01

Tgt Ion:152 Resp: 91188

Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.0	90.0
150	156.4	0.0	348.2



Sample Results: **VY020406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020406.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.629	467	477	486	rBV2	7651	22393	2.44%	0.489%
2	7.640	961	971	977	rBV	123997	291909	31.84%	6.371%
3	7.713	977	983	1003	rVB	201665	463211	50.52%	10.110%
4	8.067	1030	1041	1054	rBV	94636	216317	23.59%	4.722%
5	8.616	1123	1131	1145	rBV	336587	681378	74.31%	14.872%
6	10.109	1368	1376	1390	rBV	529168	916942	100.00%	20.014%
7	11.420	1583	1591	1604	rBV	498619	795914	86.80%	17.372%
8	12.408	1747	1753	1763	rVB	343400	552497	60.25%	12.059%
9	13.353	1901	1908	1916	rVB	375443	570540	62.22%	12.453%
10	13.889	1990	1996	2005	rVB2	43131	70399	7.68%	1.537%

Sum of corrected areas: 4581500

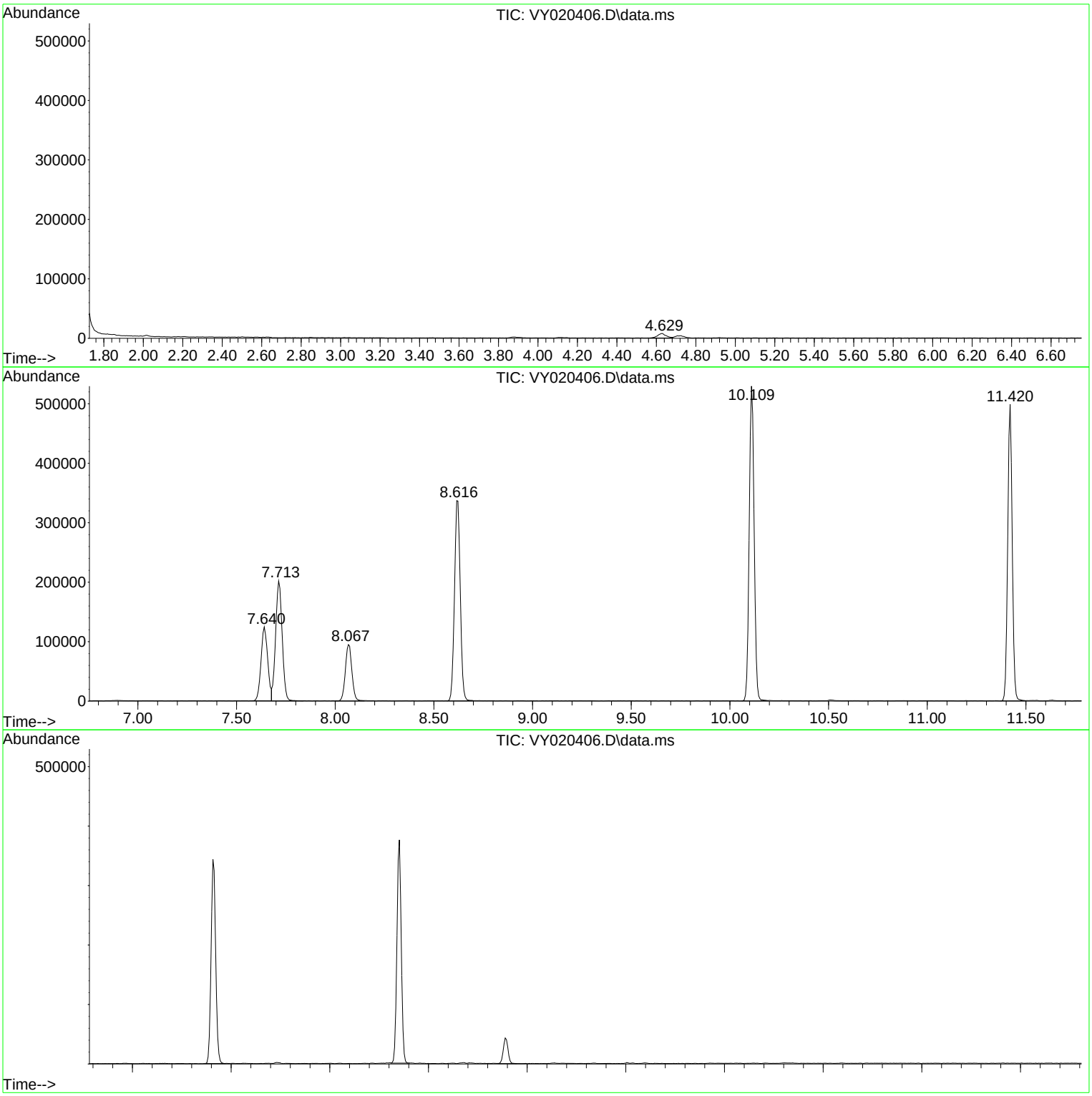
Sample Results: **VY020406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY020406.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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\VY112224\
Data File : VY020406.D
Acq On : 22 Nov 2024 12:01
Operator : SY/MD
Sample : P4892-02
Misc : 8.56g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WB-310-BOT

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Quant Time: Nov 21 00:51:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

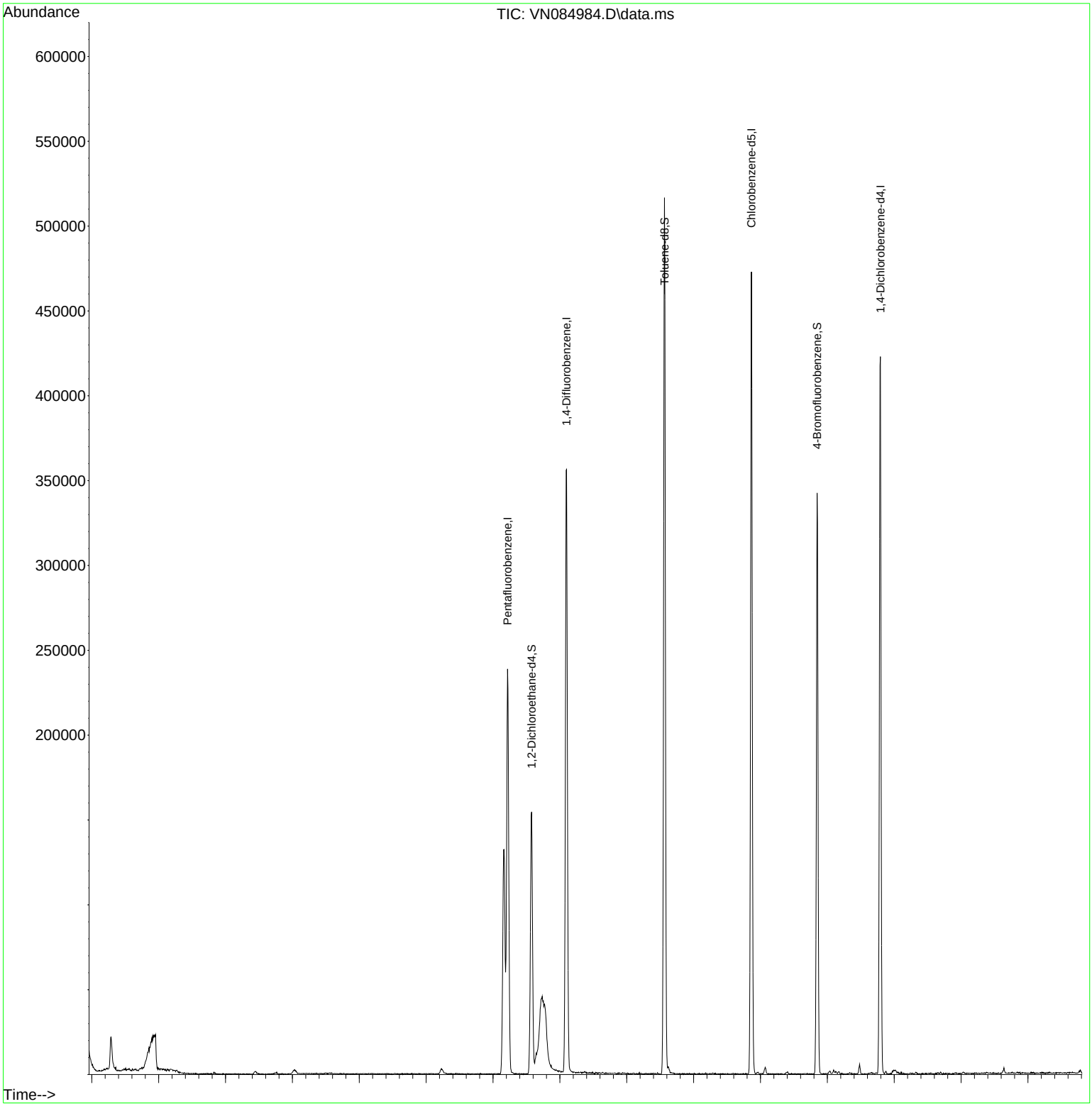
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	166877	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	262227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127803	53.024	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.040%			
35) Dibromofluoromethane	8.165	113	98986	47.540	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.080%			
50) Toluene-d8	10.565	98	352034	45.897	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.800%			
62) 4-Bromofluorobenzene	12.847	95	119438	41.666	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.340%			
Target Compounds						Qvalue
68) m/p-Xylenes	12.076	106	1461	0.394	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	3571	0.518	ug/l	98

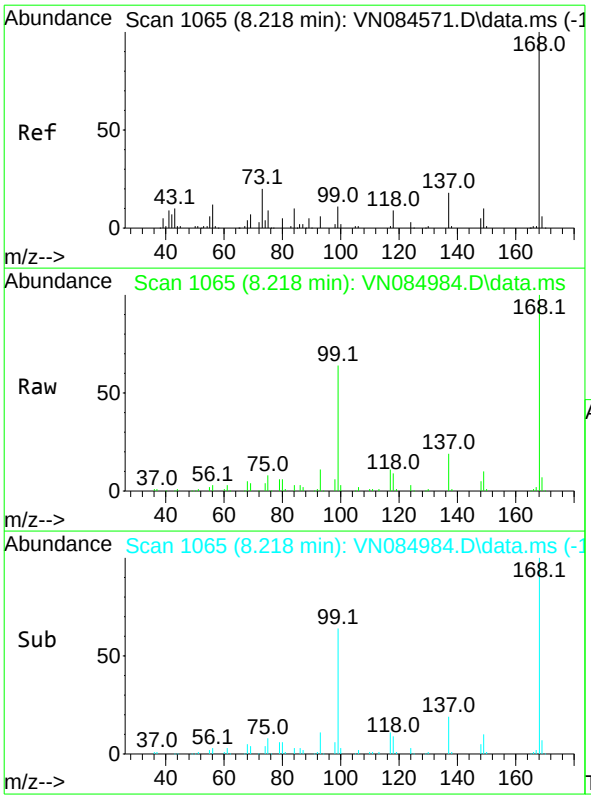
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Quant Time: Nov 21 00:51:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



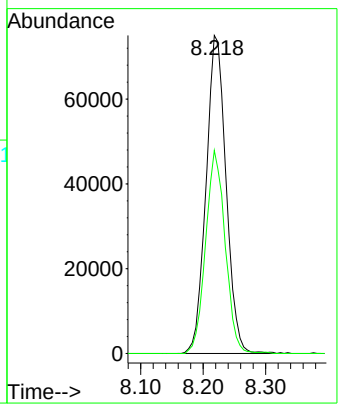


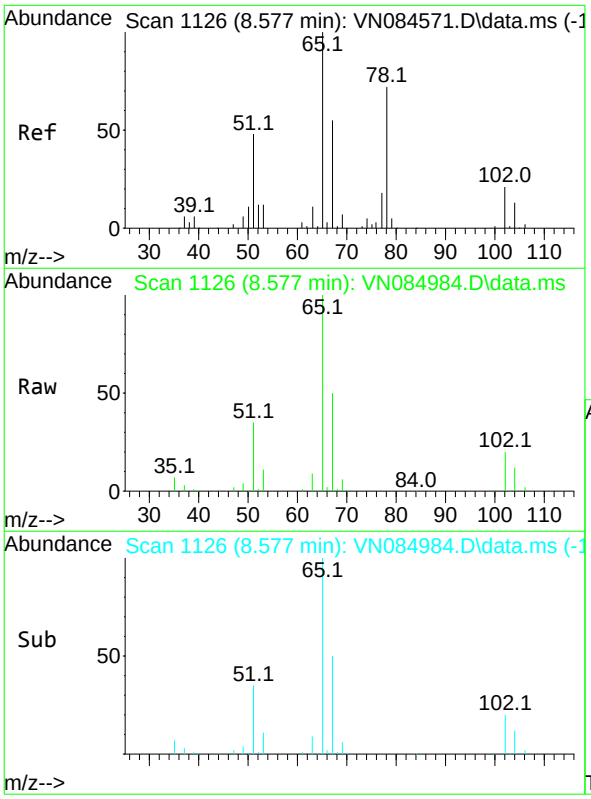
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Tgt Ion:168 Resp: 166877

Ion	Ratio	Lower	Upper
168	100		
99	63.8	54.2	81.2

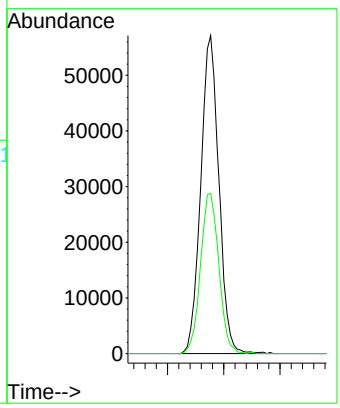


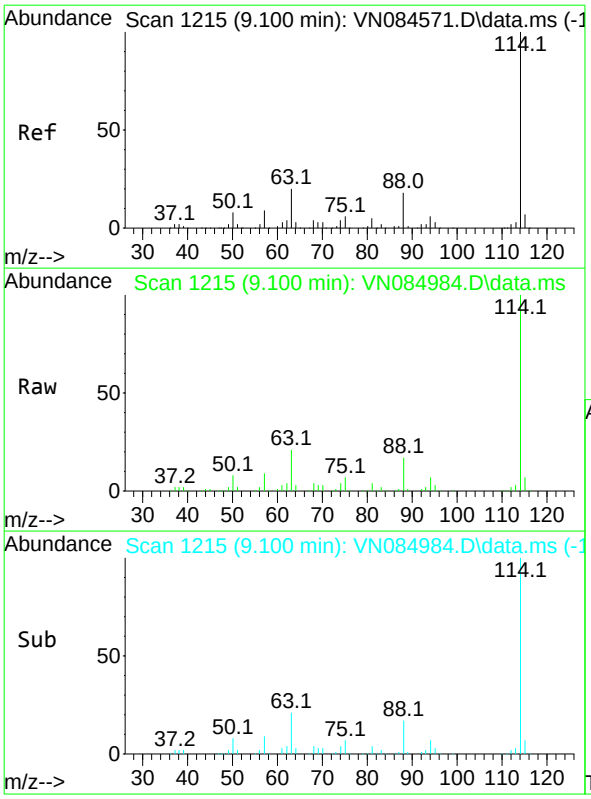


#33
1,2-Dichloroethane-d4
Concen: 53.024 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Tgt Ion: 65 Resp: 127803

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.0



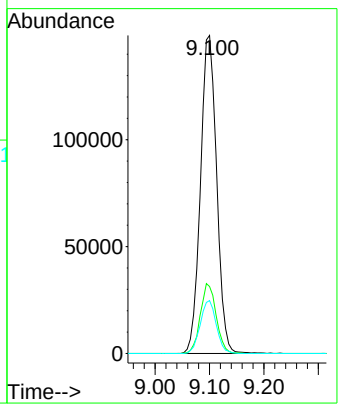


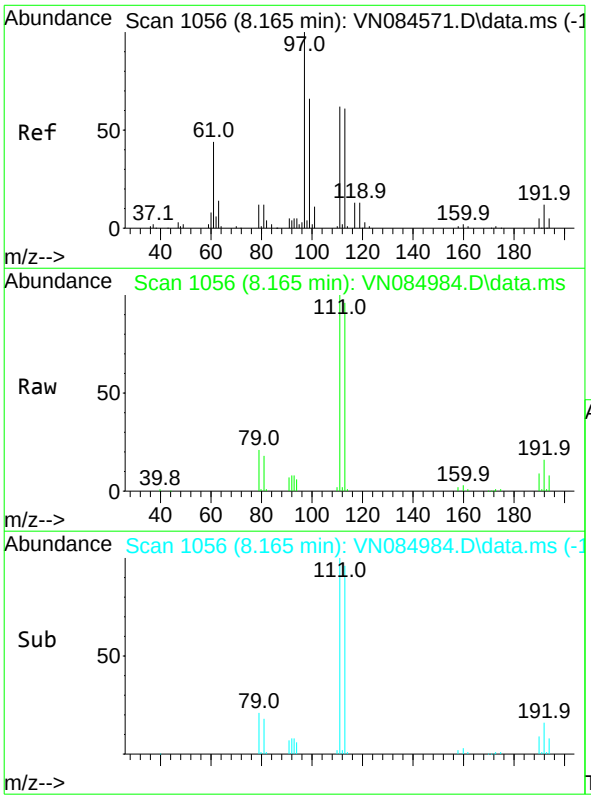
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Tgt Ion:114 Resp: 307613

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.8
88	16.6	0.0	31.6

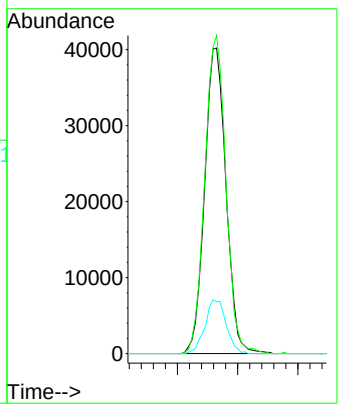


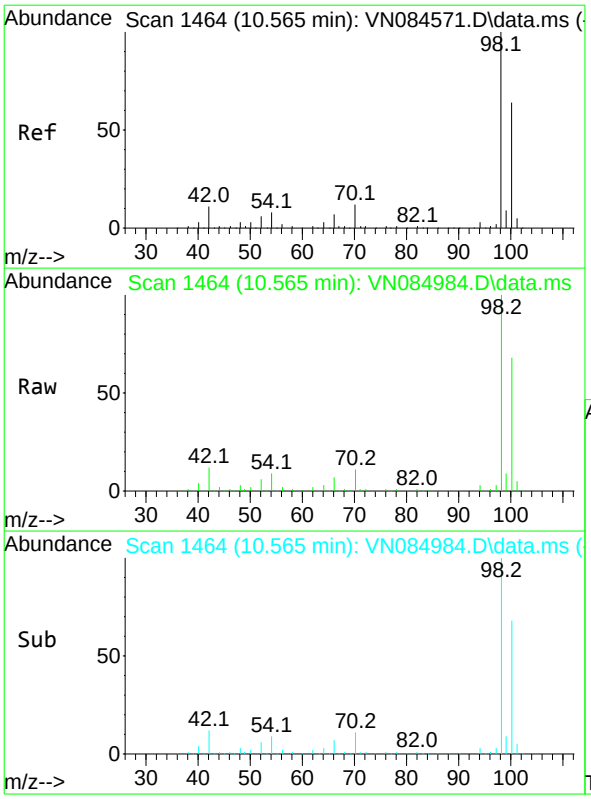


#35
Dibromofluoromethane
Concen: 47.540 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Tgt Ion:113 Resp: 98986

Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.3	124.9
192	17.4	13.5	20.3



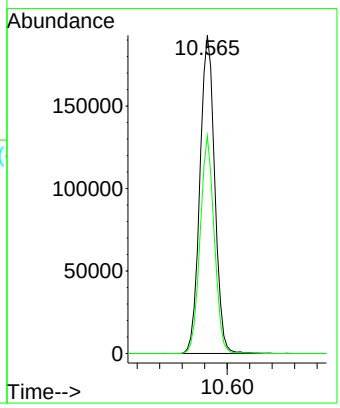


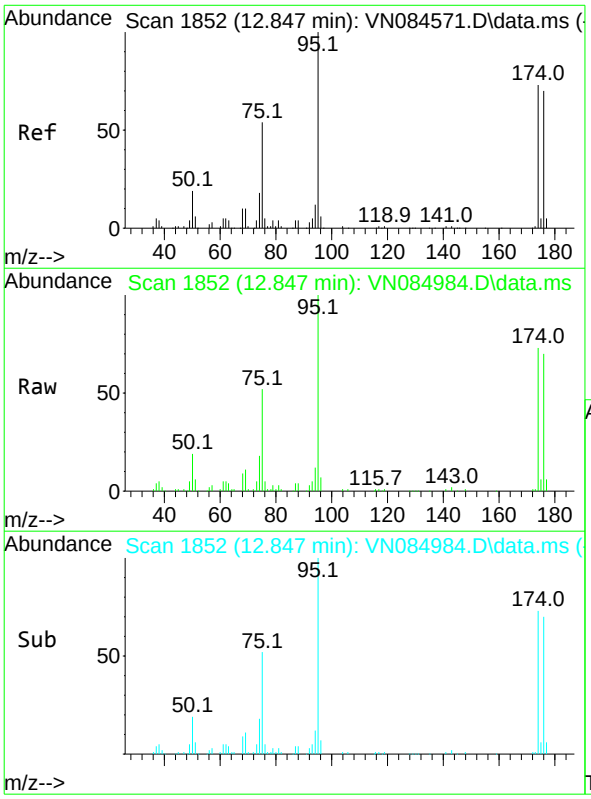
#50
Toluene-d8
Concen: 45.897 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Tgt Ion: 98 Resp: 352034

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

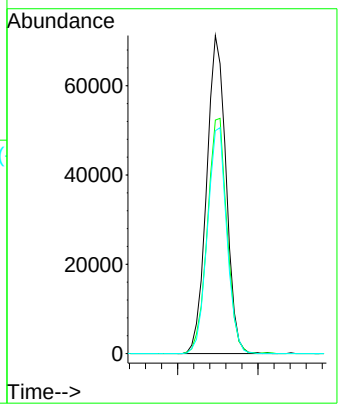


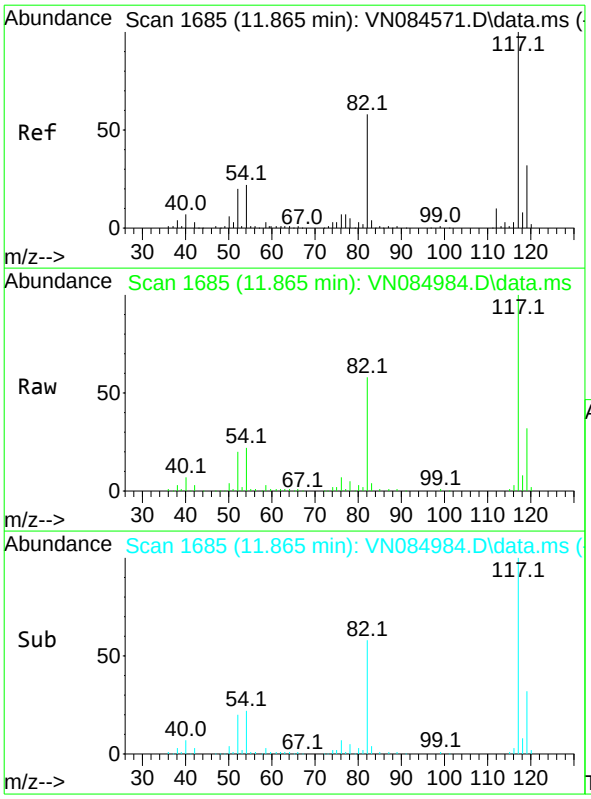


#62
4-Bromofluorobenzene
Concen: 41.666 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Tgt Ion: 95 Resp: 119438

Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	145.2
176	71.0	0.0	140.0



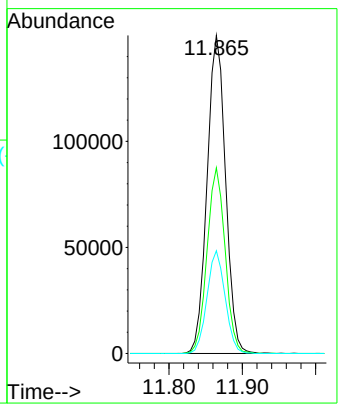


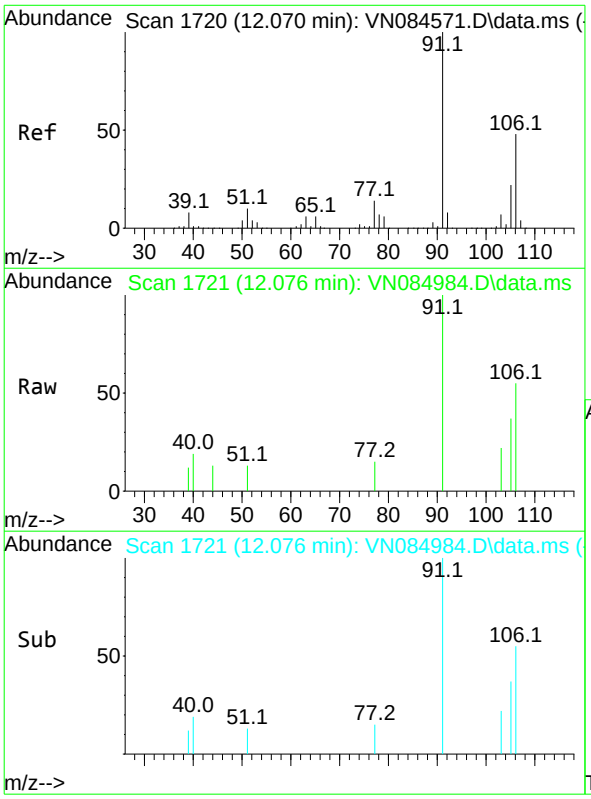
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Tgt Ion:117 Resp: 262227

Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.2	70.8
119	32.3	25.4	38.0

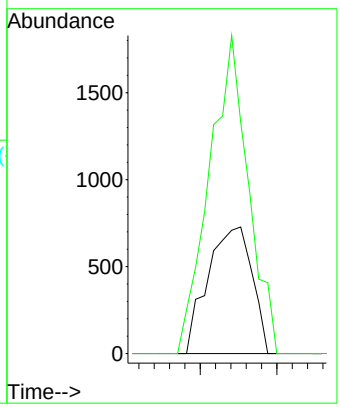


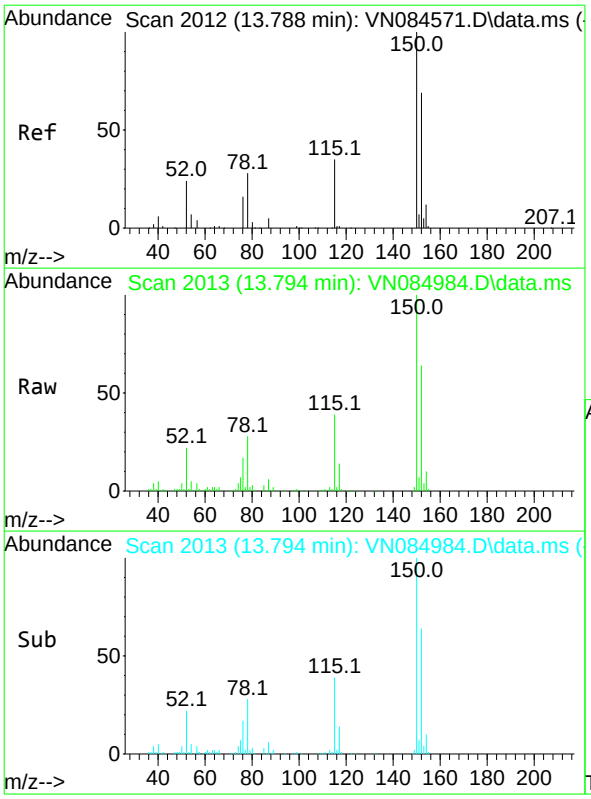


#68
m/p-Xylenes
Concen: 0.394 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Tgt Ion:106 Resp: 1461

Ion	Ratio	Lower	Upper
106	100		
91	221.4	167.1	250.7



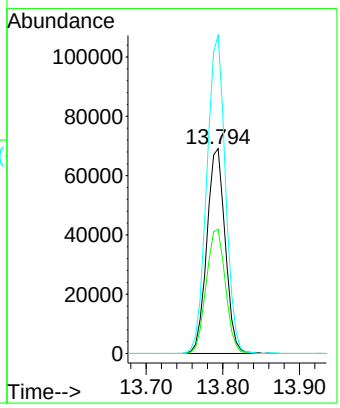


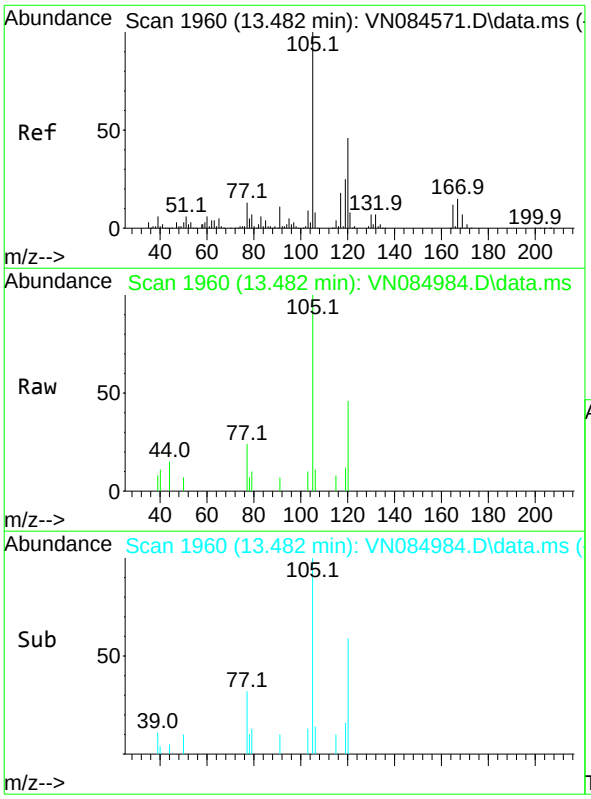
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Tgt Ion:152 Resp: 114908

Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.9
150	157.3	0.0	349.8

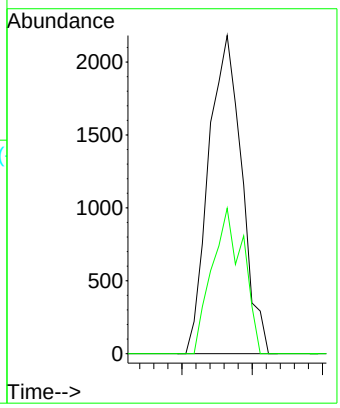




#84
1,2,4-Trimethylbenzene
Concen: 0.518 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084984.D
Acq: 20 Nov 2024 21:22

Tgt Ion:105 Resp: 3571

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.3	66.8



Sample Results: **VN084984.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-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_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084984.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.289	51	57	66	rBV5	18614	38315	4.09%	0.742%
2	2.853	140	153	154	rBV6	11733	31114	3.32%	0.602%
3	2.918	156	164	165	rVV7	6995	14841	1.58%	0.287%
4	8.165	1046	1056	1060	rBV	132418	324286	34.58%	6.276%
5	8.218	1060	1065	1076	rVB	237998	520534	55.51%	10.074%
6	8.577	1116	1126	1134	rBV	154484	347130	37.02%	6.718%
7	8.724	1134	1151	1152	rBV	38234	110216	11.75%	2.133%
8	9.100	1206	1215	1229	rBV	355099	729969	77.85%	14.127%
9	10.565	1455	1464	1472	rBV	516490	937653	100.00%	18.146%
10	11.865	1677	1685	1695	rBV	472798	814212	86.84%	15.757%
11	12.847	1844	1852	1865	rVB	342534	577224	61.56%	11.171%
12	13.794	2005	2013	2023	rVB	422739	721664	76.96%	13.966%

Sum of corrected areas: 5167158

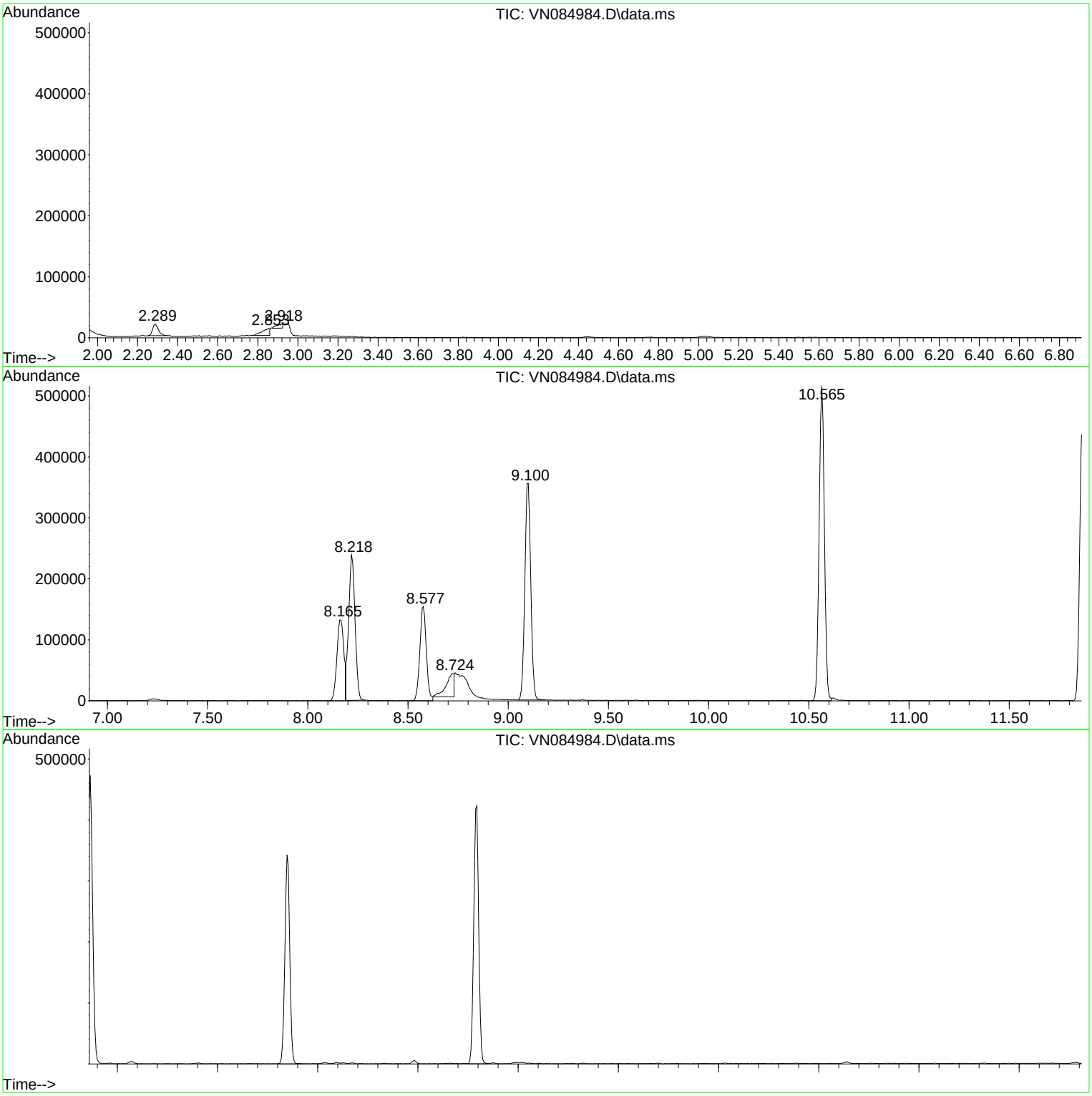
Sample Results: **VN084984.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

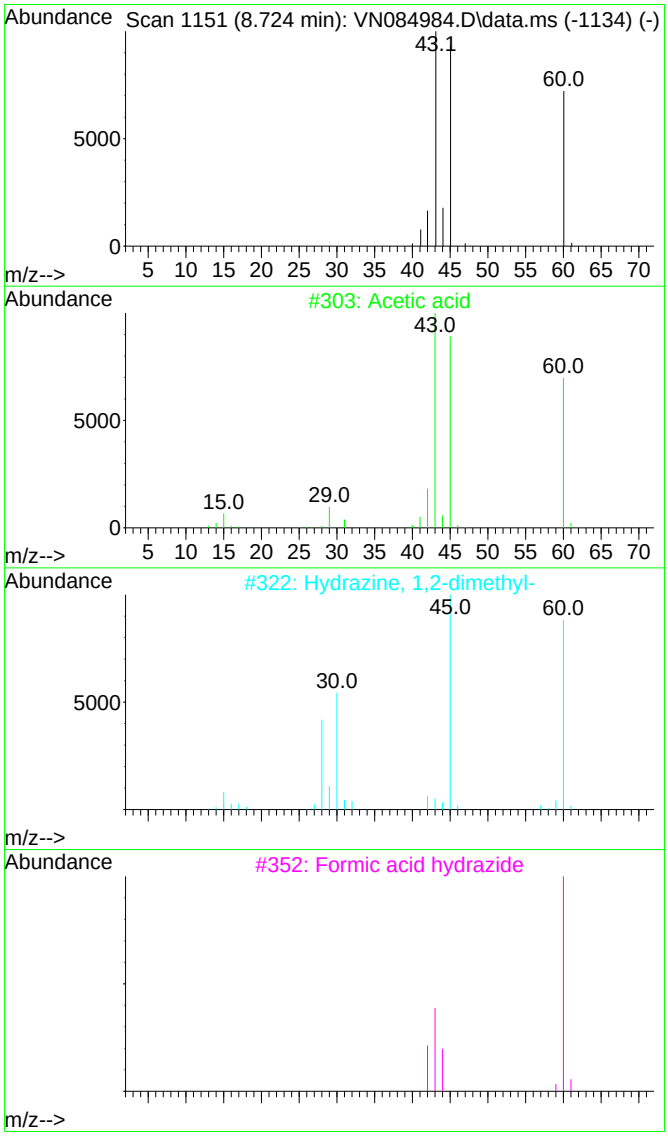
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

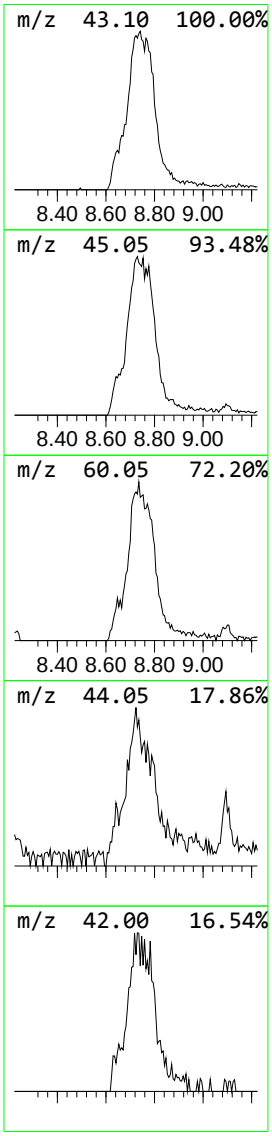
****

Peak Number 1 Acetic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.724	7.55 ug/l	110216	1,4-Difluorobenzene	9.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid	60	C2H4O2	000064-19-7	90
2	Hydrazine, 1,2-dimethyl-	60	C2H8N2	000540-73-8	9
3	Formic acid hydrazide	60	CH4N2O	000624-84-0	9
4	Ammonium acetate	77	C2H7NO2	000631-61-8	9
5	Formamidoxime	60	CH4N2O	000624-82-8	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084984.D
Acq On : 20 Nov 2024 21:22
Operator : JC\MD
Sample : P4892-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WB-310-SW

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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
Acetic acid	8.724	7.5	ug/l	110216	2	9.100	729969	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

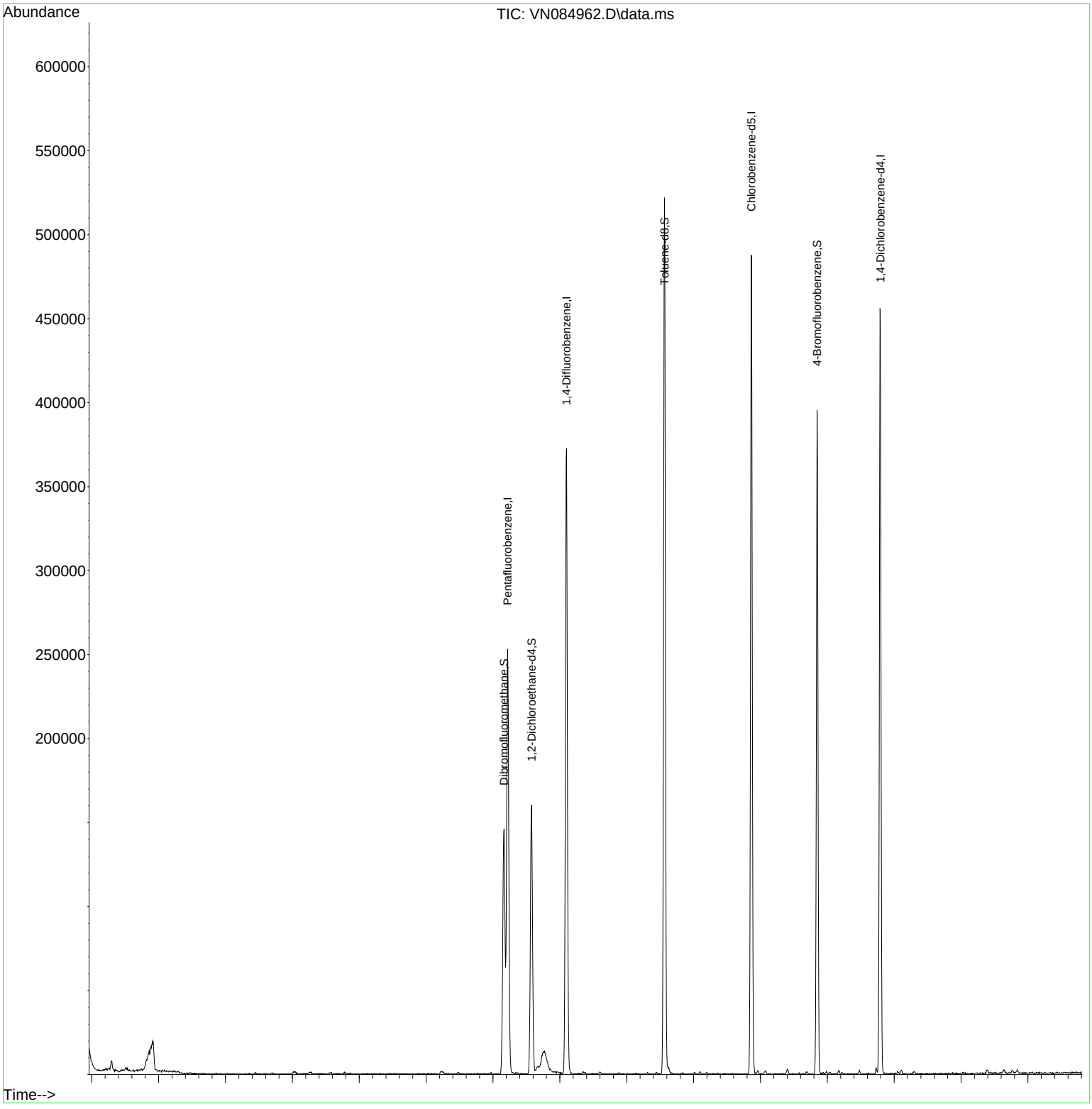
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	178908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	277659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	123641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131967	51.070	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.140%			
35) Dibromofluoromethane	8.165	113	107113	49.531	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	10.565	98	366987	46.068	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.140%			
62) 4-Bromofluorobenzene	12.847	95	138133	46.397	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.800%			
Target Compounds						Qvalue

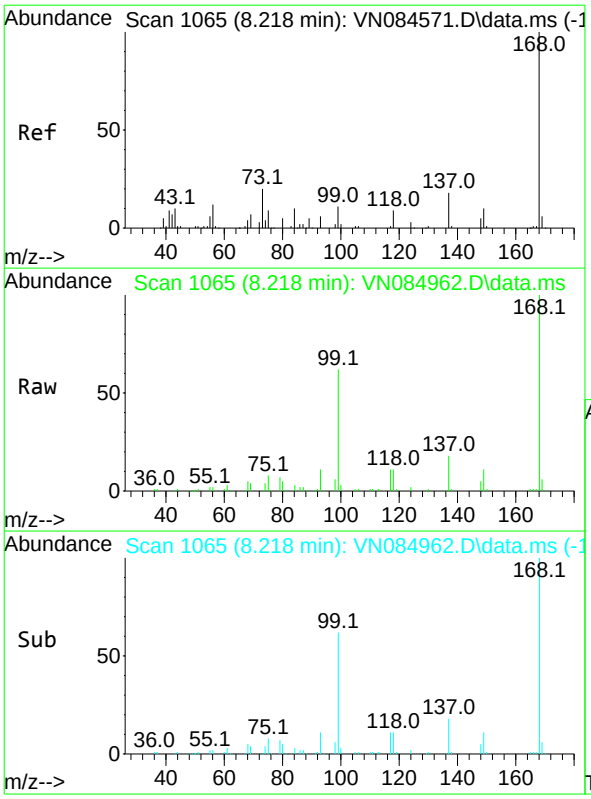
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Time: Nov 21 00:34:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



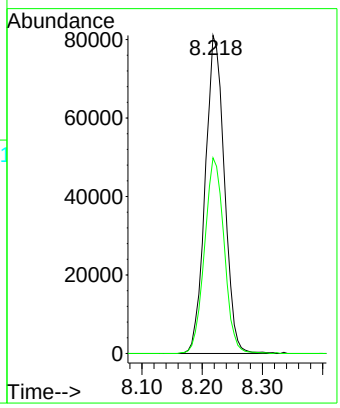


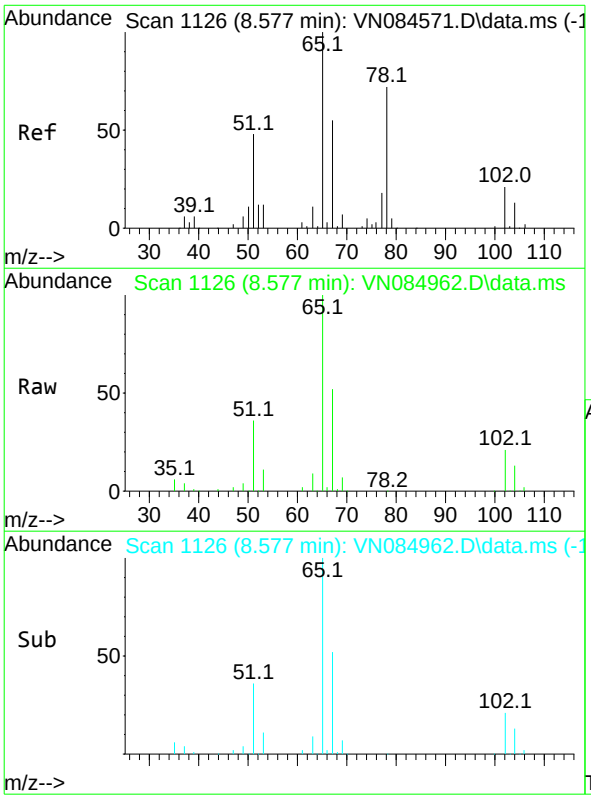
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:168 Resp: 178908

Ion	Ratio	Lower	Upper
168	100		
99	61.5	54.2	81.2

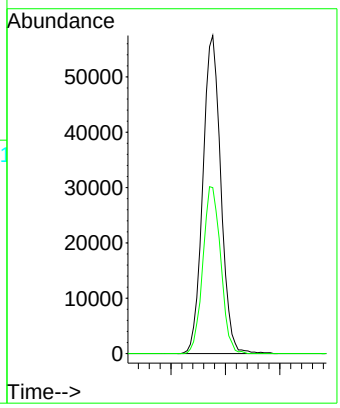


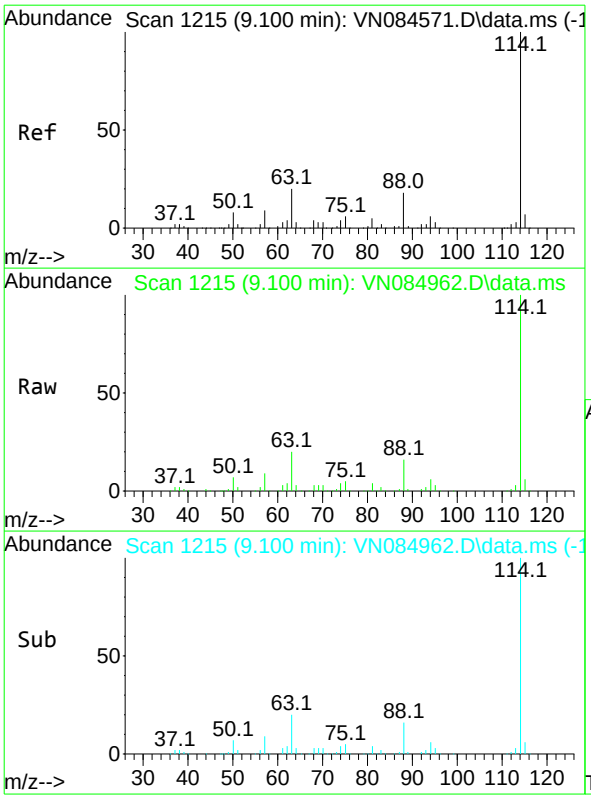


#33
1,2-Dichloroethane-d4
Concen: 51.070 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 65 Resp: 131967

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	102.0



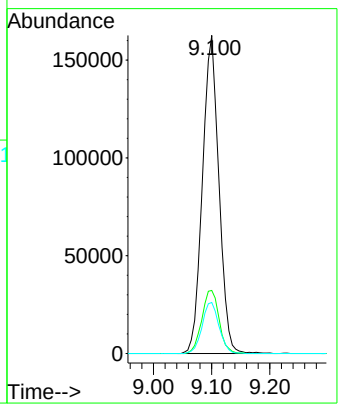


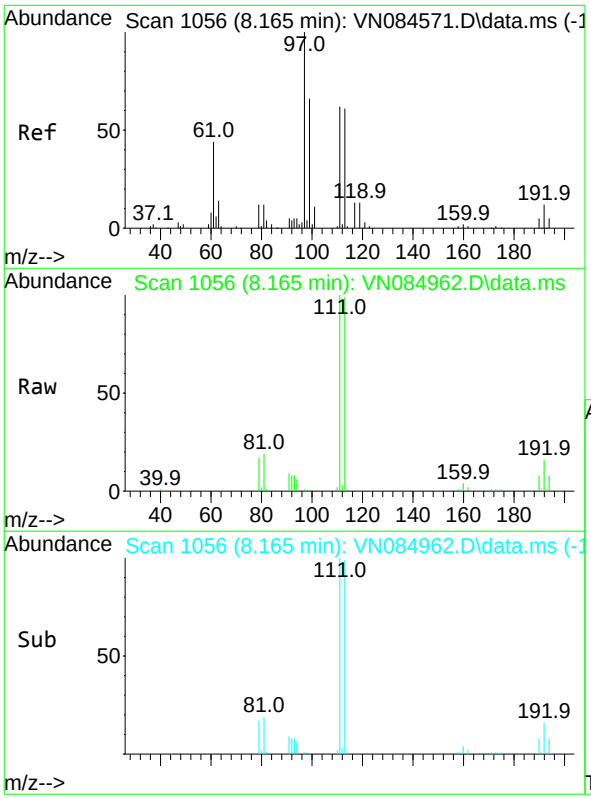
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:114 Resp: 319489

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	43.8
88	16.0	0.0	31.6

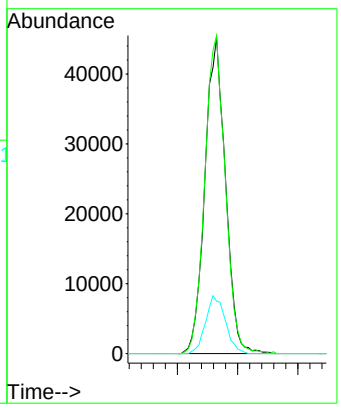


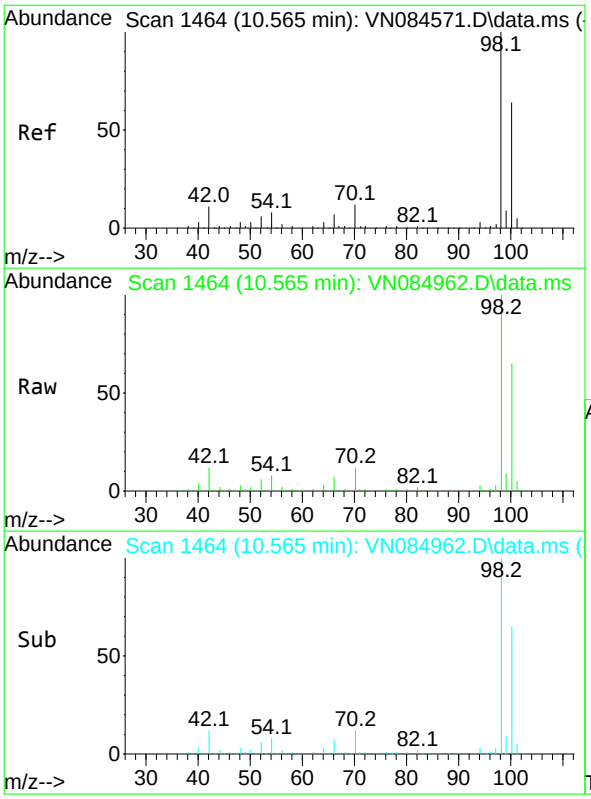


#35
Dibromofluoromethane
Concen: 49.531 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:113 Resp: 107113

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.3	124.9
192	17.7	13.5	20.3



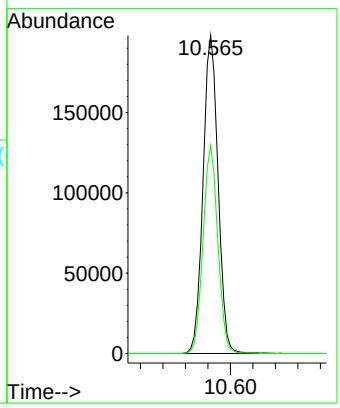


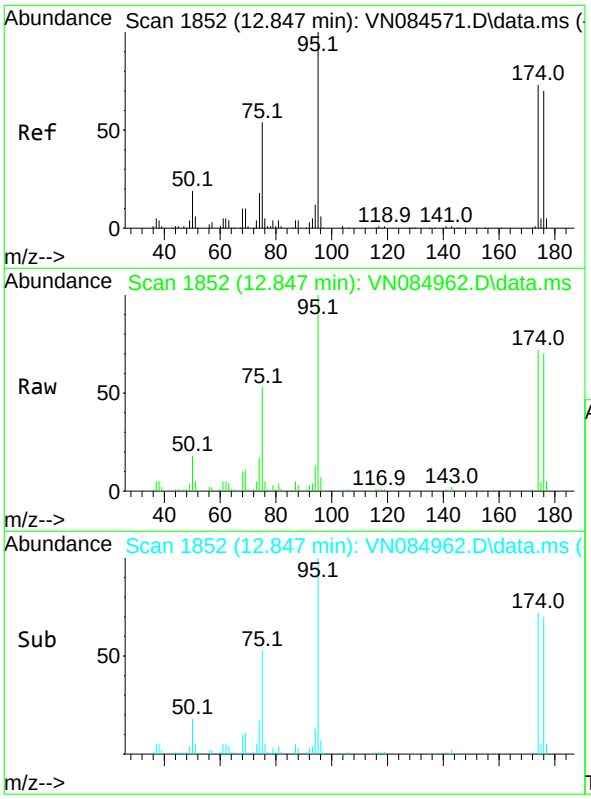
#50
Toluene-d8
Concen: 46.068 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion: 98 Resp: 366987

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.7	79.1

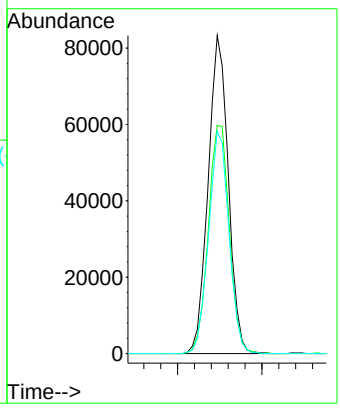


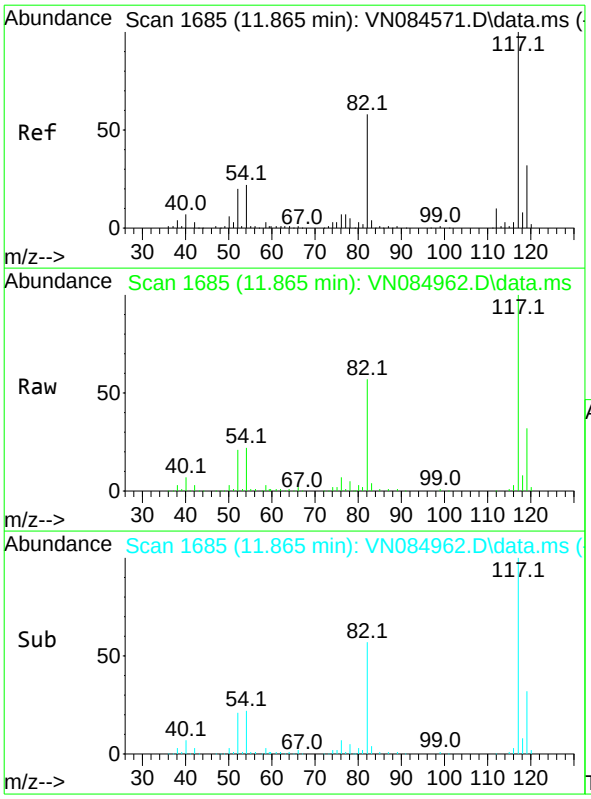


#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion: 95 Resp: 138133

Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	145.2
176	70.5	0.0	140.0



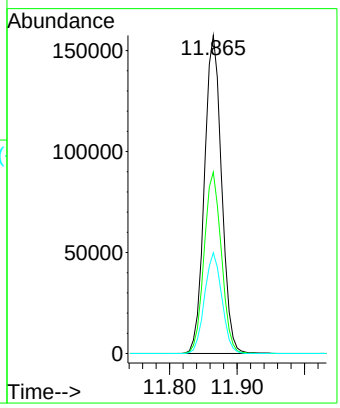


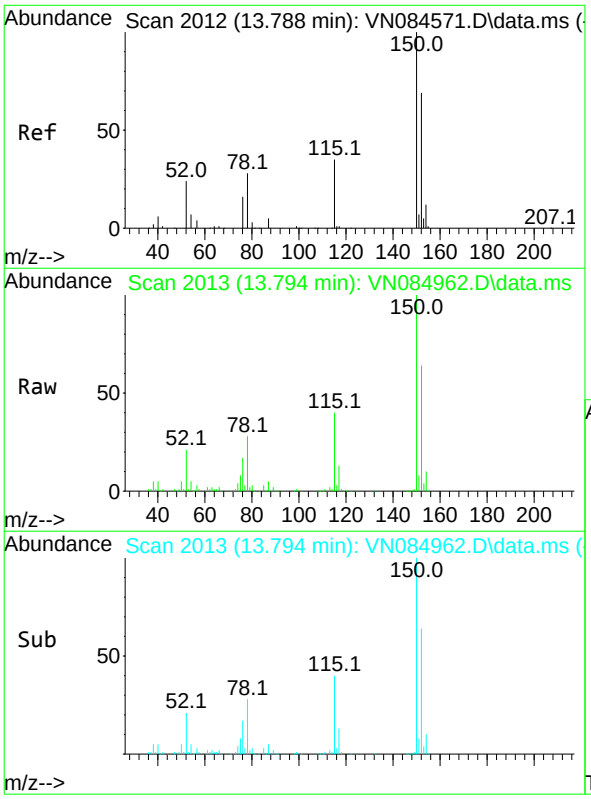
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:117 Resp: 277659

Ion	Ratio	Lower	Upper
117	100		
82	57.0	47.2	70.8
119	31.7	25.4	38.0

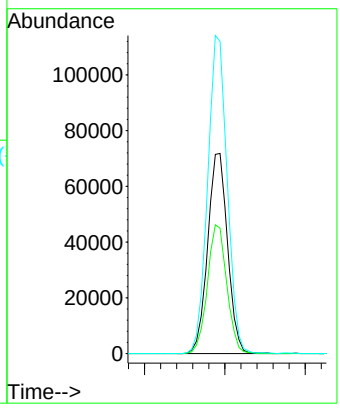




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084962.D
Acq: 20 Nov 2024 12:21

Tgt Ion:152 Resp: 123641

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.3	93.9
150	155.7	0.0	349.8



Sample Results: **VN084962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

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_N\methods\82N103024W.M
Title : SW846 8260

Signal : TIC: VN084962.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.295	54	58	66	rVB2	6509	12920	1.33%	0.243%
2	2.818	137	147	148	rBV4	6310	10780	1.11%	0.202%
3	8.165	1044	1056	1060	rBV	145988	346283	35.65%	6.502%
4	8.218	1060	1065	1076	rVB	252421	559884	57.64%	10.513%
5	8.577	1116	1126	1134	rBV	160114	359847	37.05%	6.757%
6	8.753	1147	1156	1157	rBV3	8578	18416	1.90%	0.346%
7	9.100	1206	1215	1225	rBV	371811	754393	77.66%	14.166%
8	10.565	1452	1464	1474	rBV	521713	971376	100.00%	18.240%
9	11.865	1676	1685	1694	rBV	487545	863950	88.94%	16.223%
10	12.847	1845	1852	1861	rBV	395157	659134	67.86%	12.377%
11	13.788	2005	2012	2022	rVB	455514	768453	79.11%	14.430%

Sum of corrected areas: 5325436

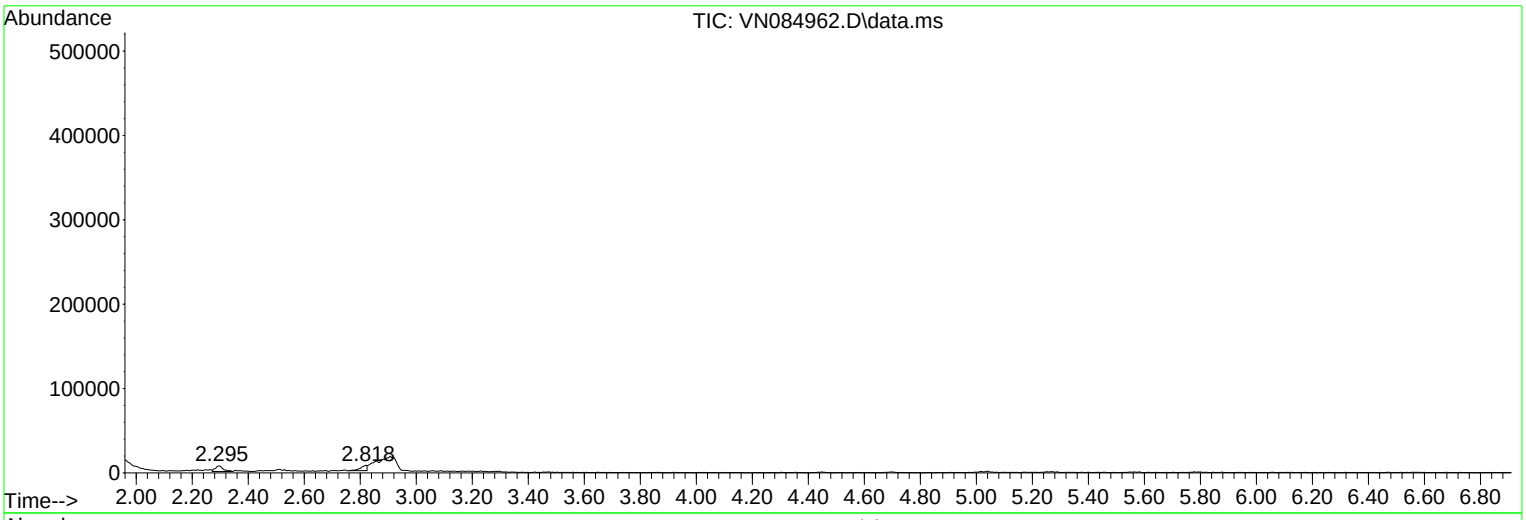
Sample Results: **VN084962.D**

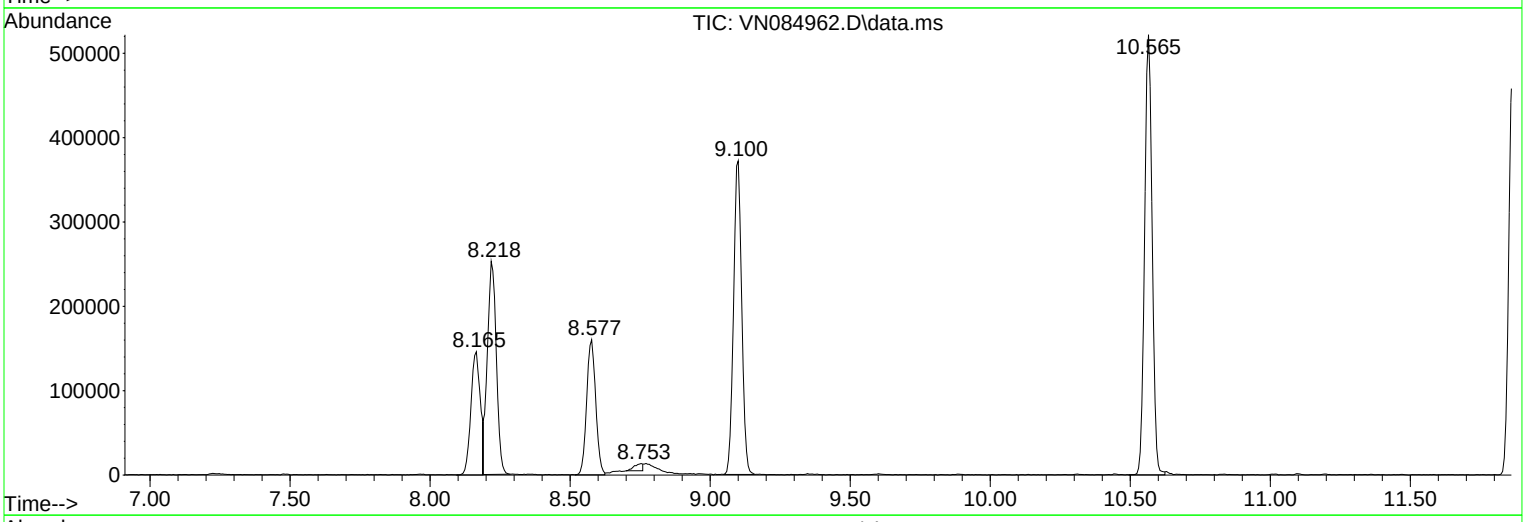
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

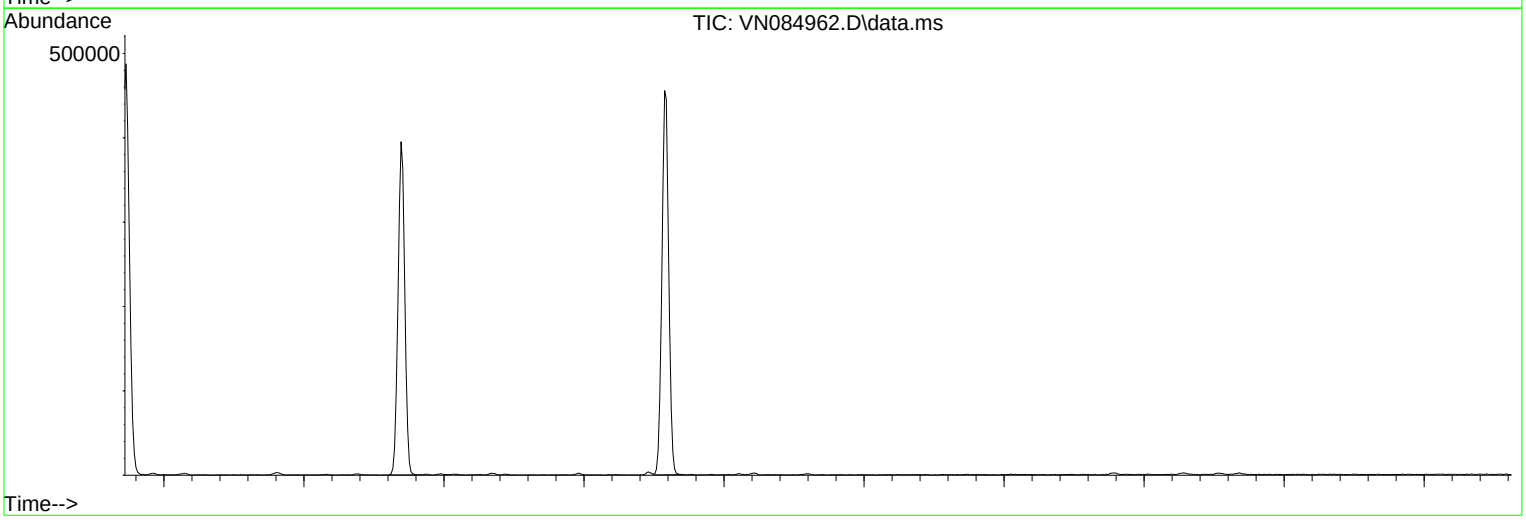
Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260

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







Sample Results: **VN084962.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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_N\Data\VN112024\
Data File : VN084962.D
Acq On : 20 Nov 2024 12:21
Operator : JC\MD
Sample : VN1120WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.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\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Time: Nov 21 13:56:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

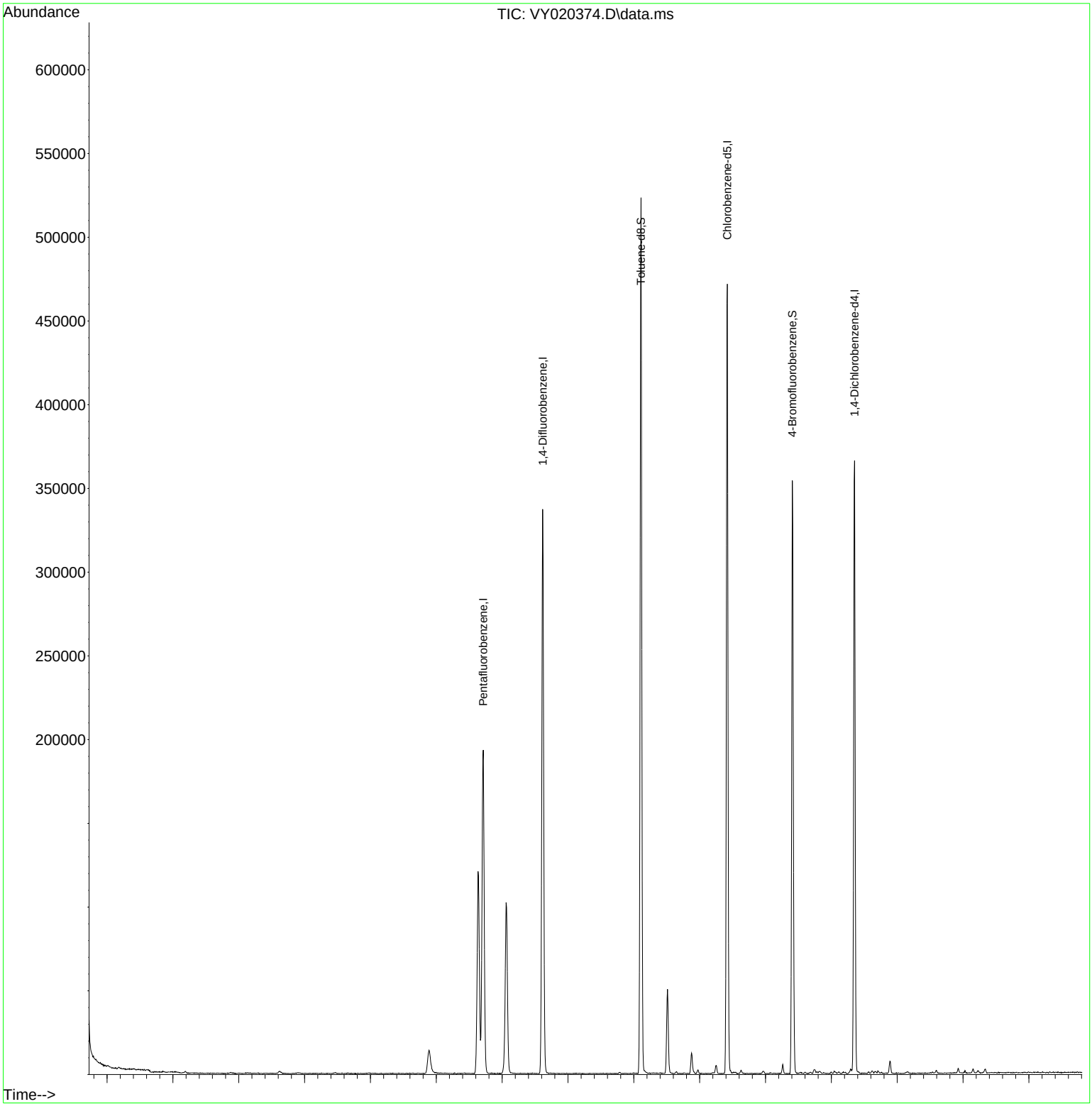
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	139506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	270751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	245370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	89046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83114	51.857	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.720%			
35) Dibromofluoromethane	7.640	113	84115	48.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.900%			
50) Toluene-d8	10.109	98	329763	48.218	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.440%			
62) 4-Bromofluorobenzene	12.408	95	104043	47.324	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 94.640%			
Target Compounds						Qvalue

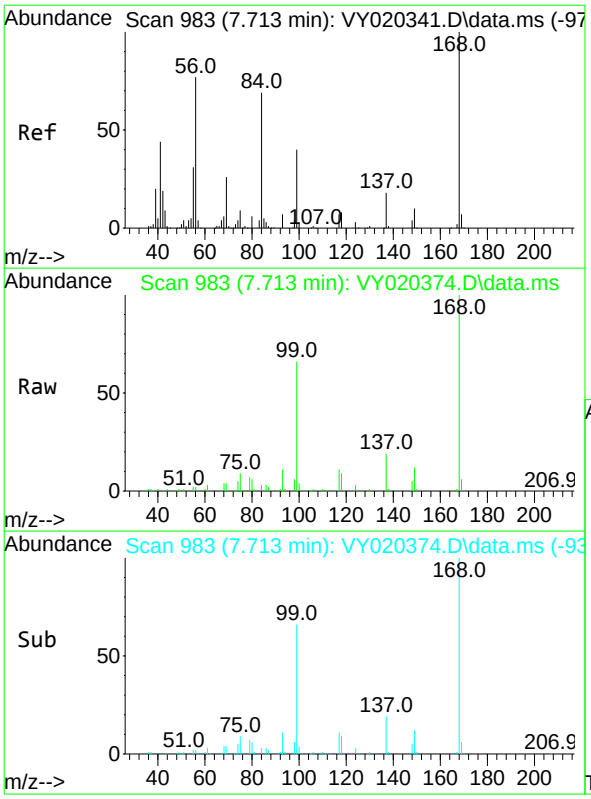
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Time: Nov 21 13:56:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



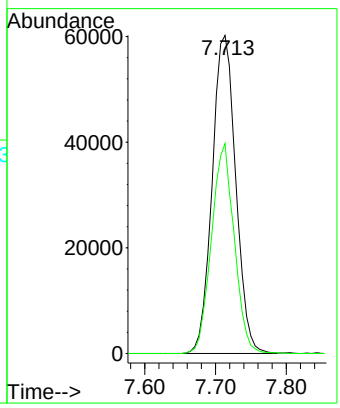


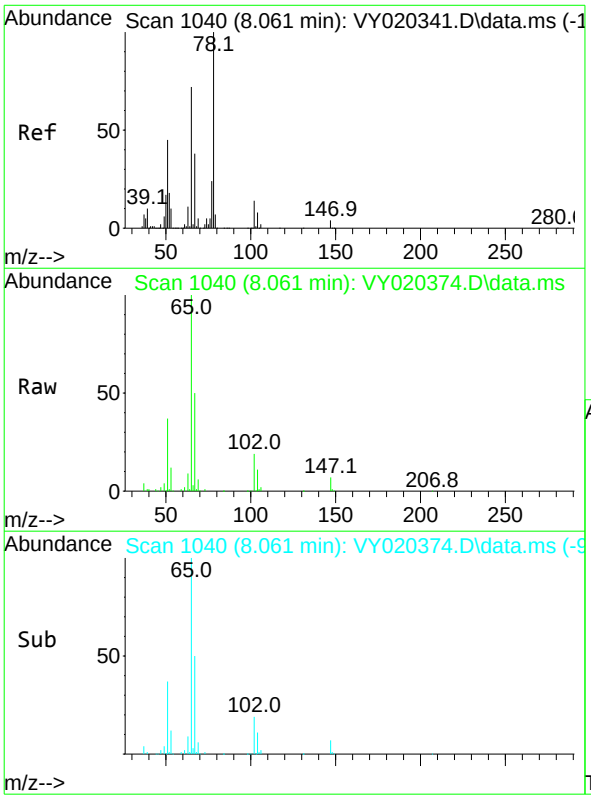
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion:168 Resp: 139506

Ion	Ratio	Lower	Upper
168	100		
99	66.0	46.6	69.8

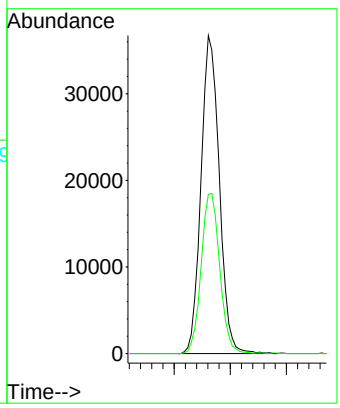


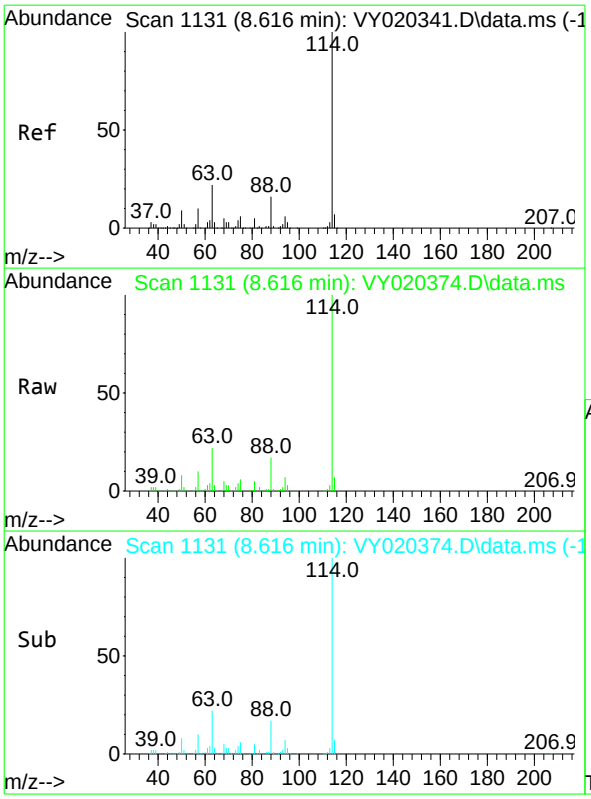


#33
1,2-Dichloroethane-d4
Concen: 51.857 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion: 65 Resp: 83114

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	105.8



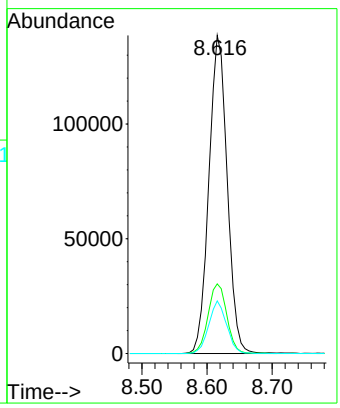


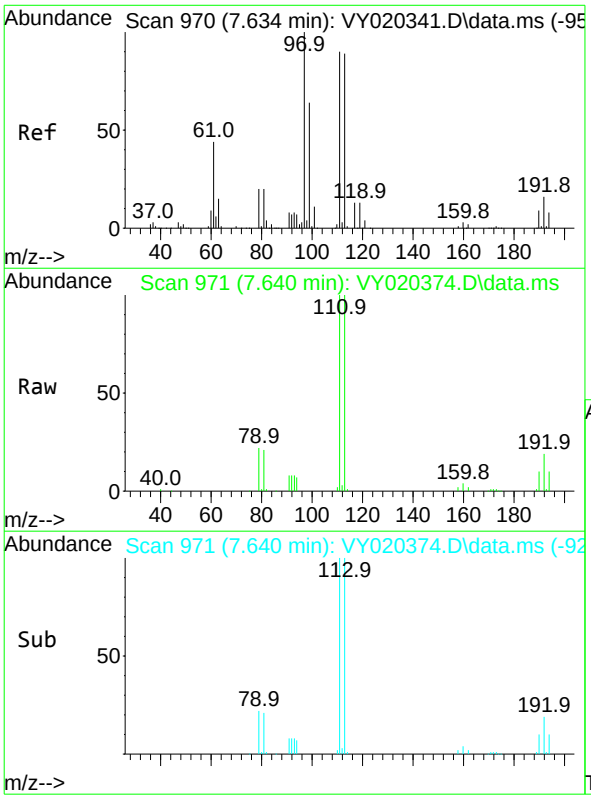
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion:114 Resp: 270751

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.8
88	16.5	0.0	32.0

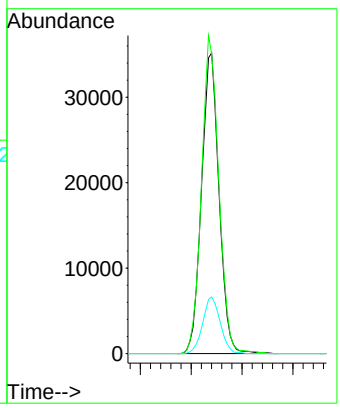


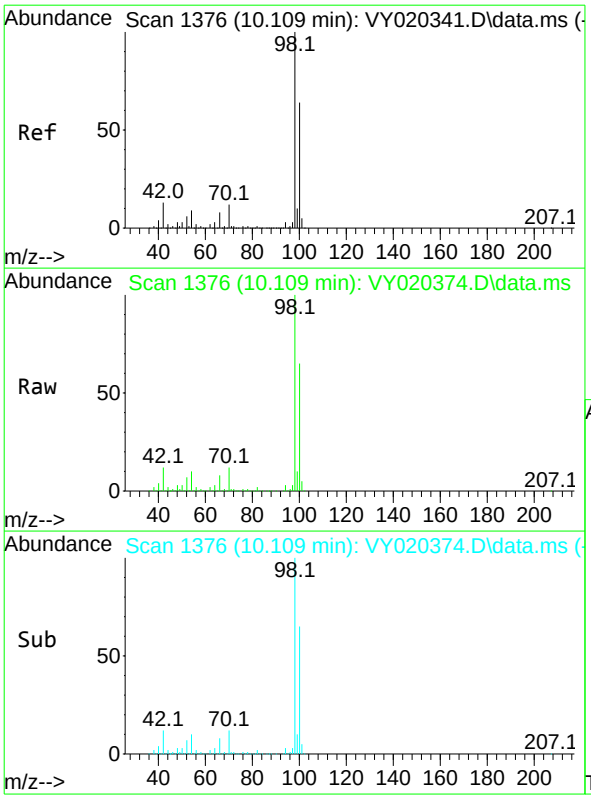


#35
Dibromofluoromethane
Concen: 48.450 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion:113 Resp: 84115

Ion	Ratio	Lower	Upper
113	100		
111	104.4	81.4	122.0
192	18.9	15.1	22.7



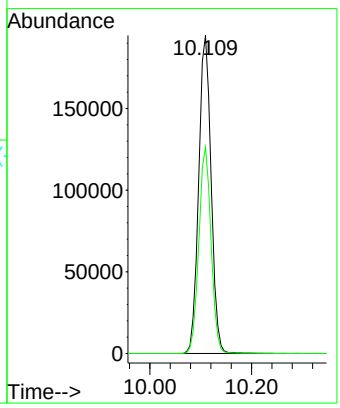


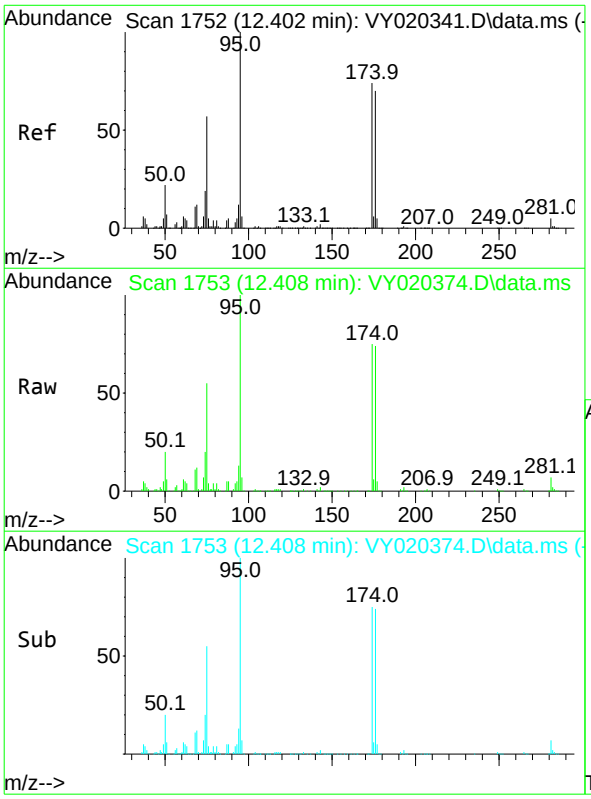
#50
Toluene-d8
Concen: 48.218 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion: 98 Resp: 329763

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9

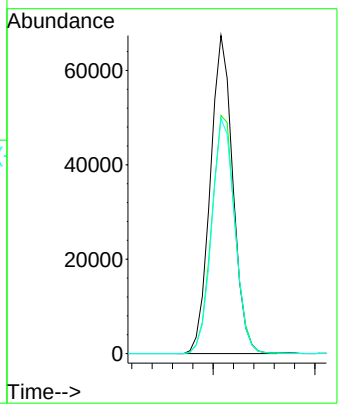


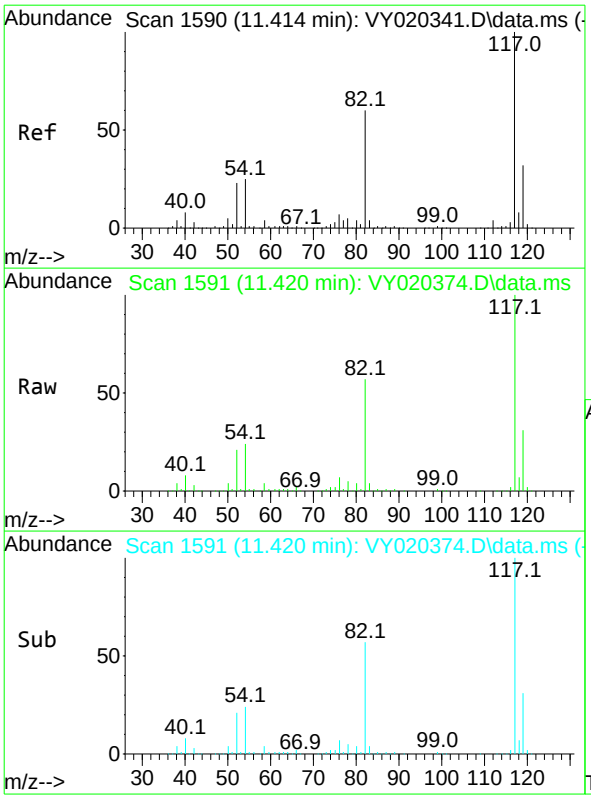


#62
4-Bromofluorobenzene
Concen: 47.324 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion: 95 Resp: 104043

Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	156.8
176	75.4	0.0	152.0



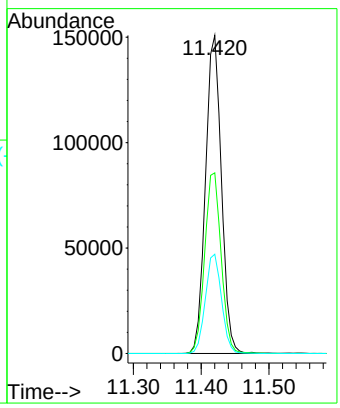


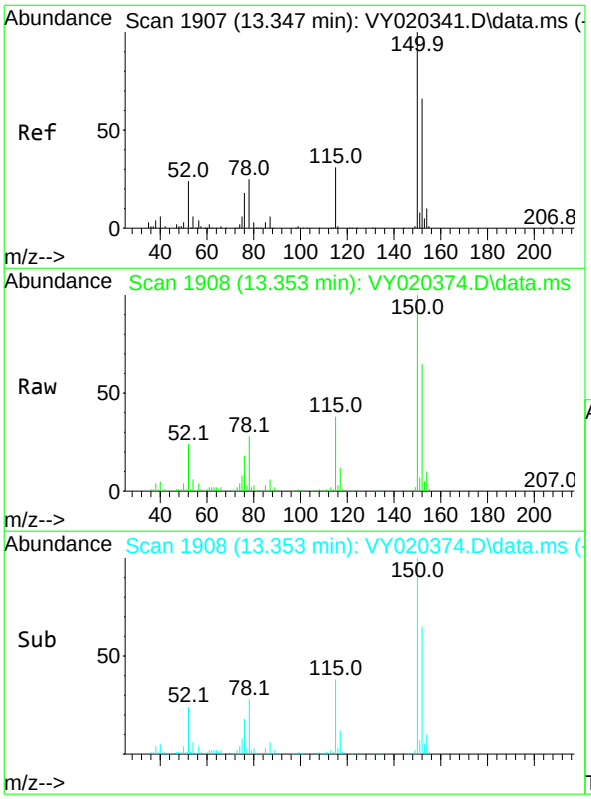
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion:117 Resp: 245370

Ion	Ratio	Lower	Upper
117	100		
82	56.8	48.2	72.4
119	31.2	25.8	38.8

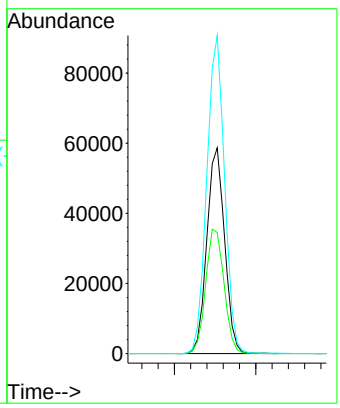




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion:152 Resp: 89046

Ion	Ratio	Lower	Upper
152	100		
115	62.6	30.0	90.0
150	154.3	0.0	348.2



Sample Results: **VY020374.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020374.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.890	835	848	857	rBV	14023	45838	5.14%	0.989%
2	7.634	961	970	976	rBV	120761	283920	31.86%	6.127%
3	7.713	976	983	996	rVB	193066	443131	49.72%	9.563%
4	8.061	1026	1040	1051	rBV	102248	242886	27.25%	5.242%
5	8.616	1122	1131	1142	rBV	337014	659966	74.05%	14.242%
6	10.109	1368	1376	1393	rBV	523019	891259	100.00%	19.234%
7	10.512	1433	1442	1453	rBV	50195	90808	10.19%	1.960%
8	10.877	1497	1502	1512	rVB	12217	22092	2.48%	0.477%
9	11.420	1584	1591	1602	rBV	471263	780231	87.54%	16.838%
10	12.408	1747	1753	1764	rBV2	354121	591084	66.32%	12.756%
11	13.353	1901	1908	1917	rVB	365341	570479	64.01%	12.311%
12	13.889	1989	1996	2001	rBV	7330	12146	1.36%	0.262%

Sum of corrected areas: 4633840

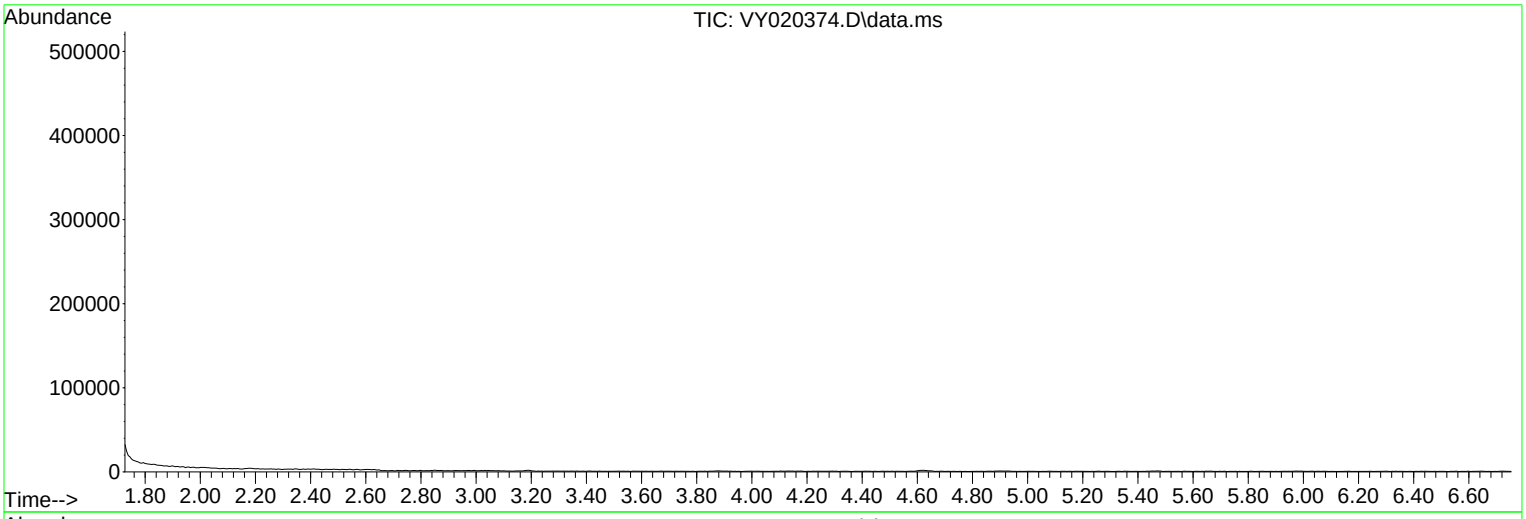
Sample Results: **VY020374.D**

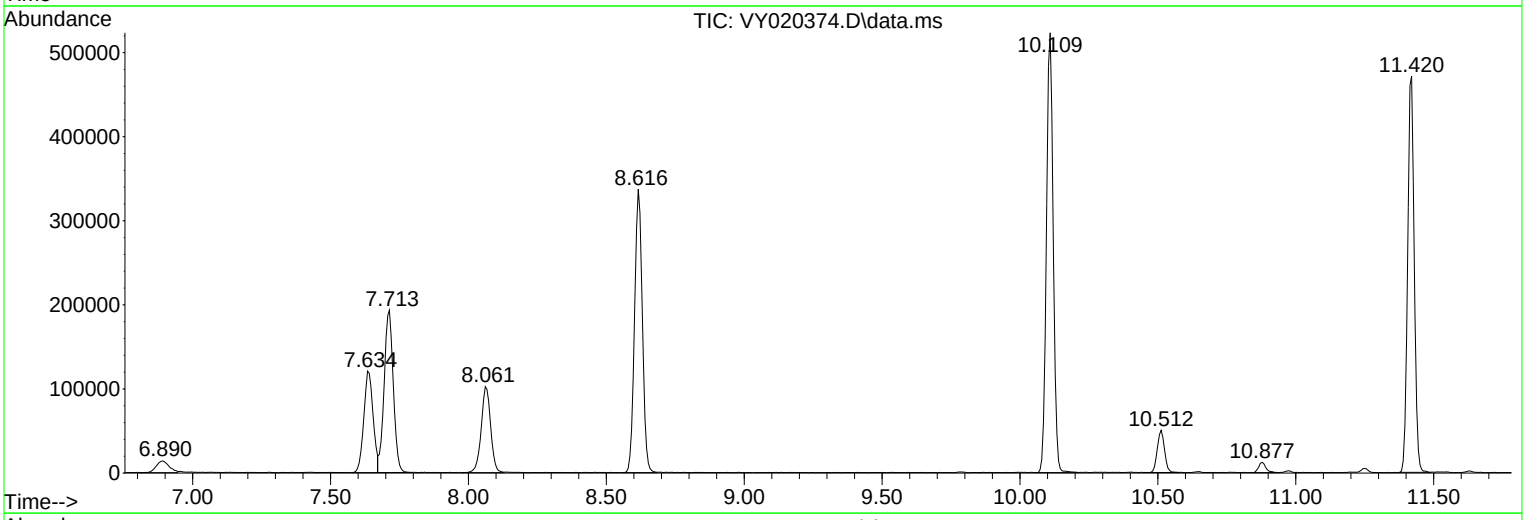
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

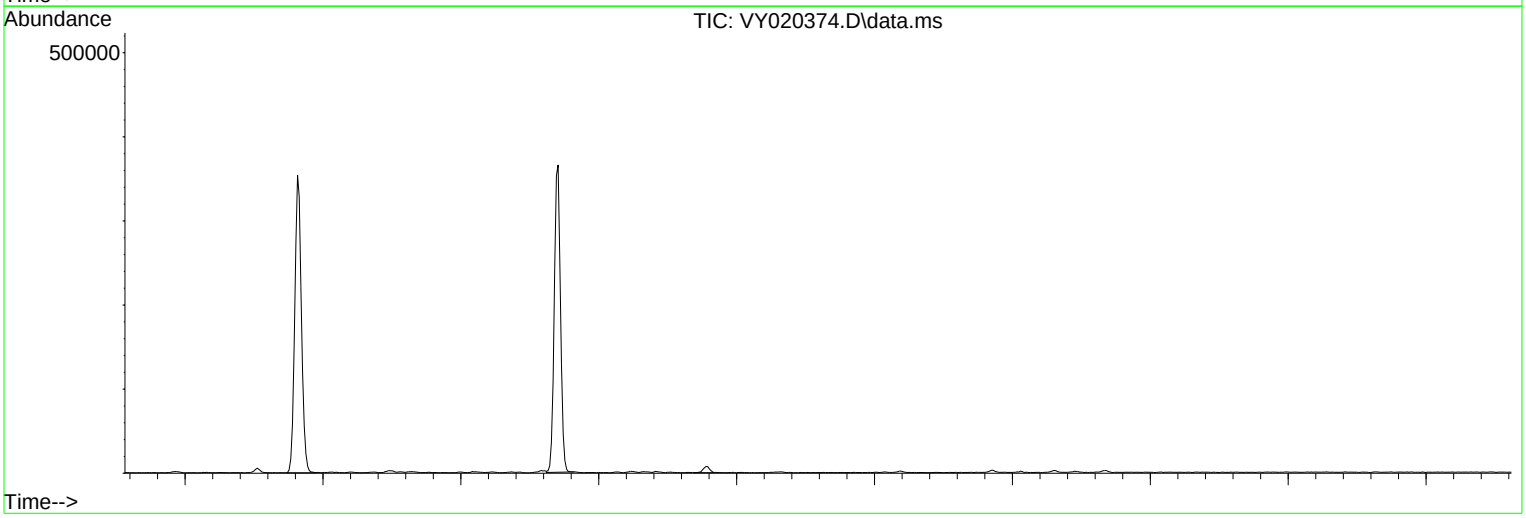
Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Quant Time: Nov 22 23:56:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.720	168	161234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	306842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	269008	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	94757	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	88239	47.635	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.280%		
35) Dibromofluoromethane	7.646	113	95193	48.381	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.760%		
50) Toluene-d8	10.115	98	368920	47.599	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.200%		
62) 4-Bromofluorobenzene	12.414	95	112970	45.341	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery =	90.680%		
Target Compounds						Qvalue

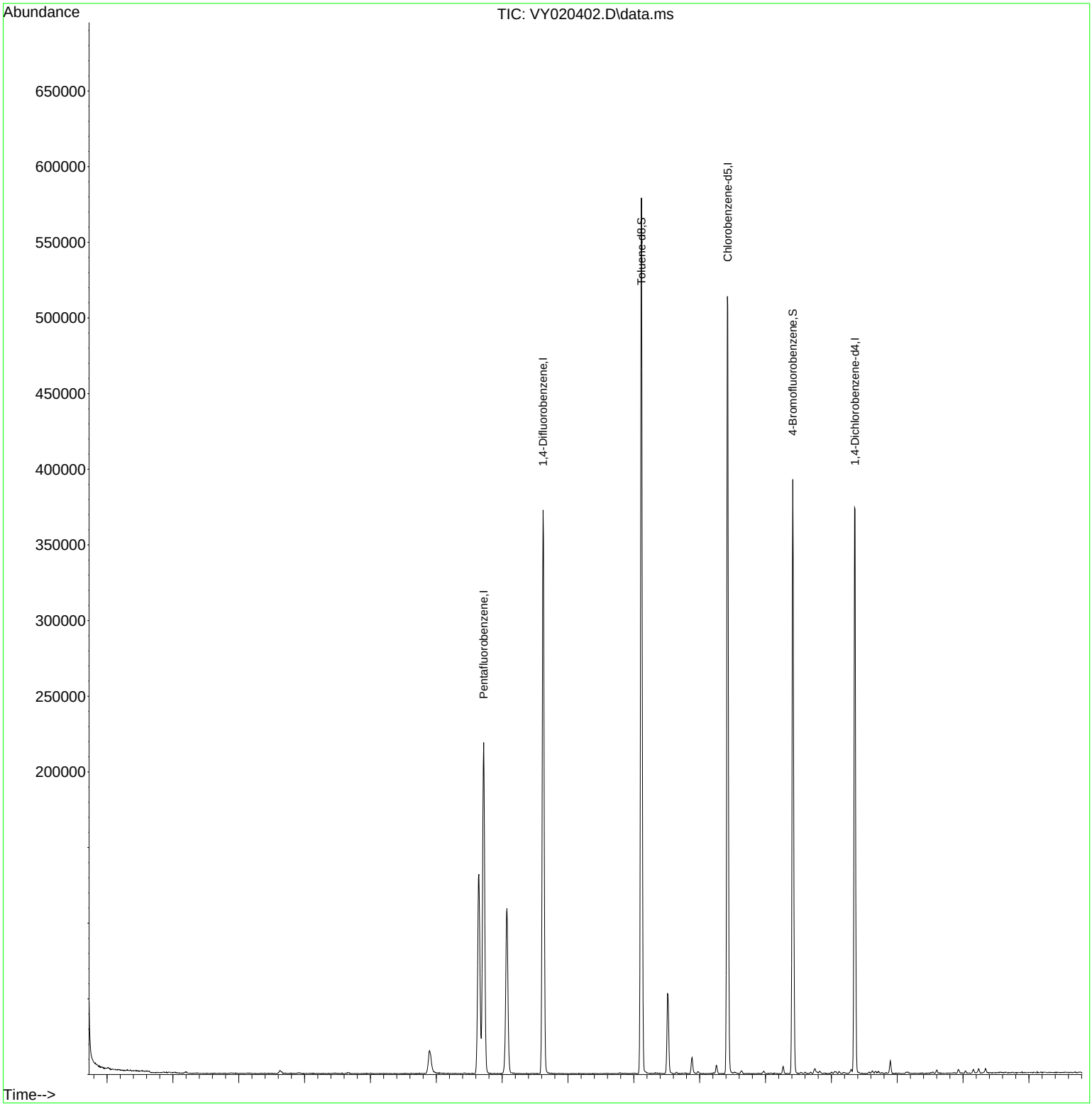
(#) = qualifier out of range (m) = manual integration (+) = signals summed

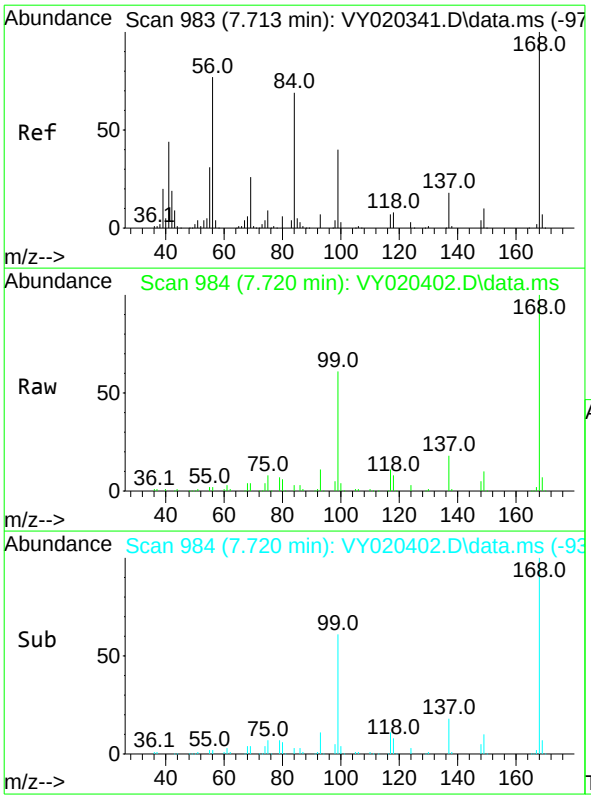
Sample Results: **VY020402.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Quant Time: Nov 22 23:56:34 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration



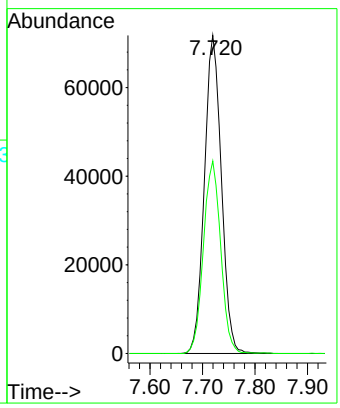


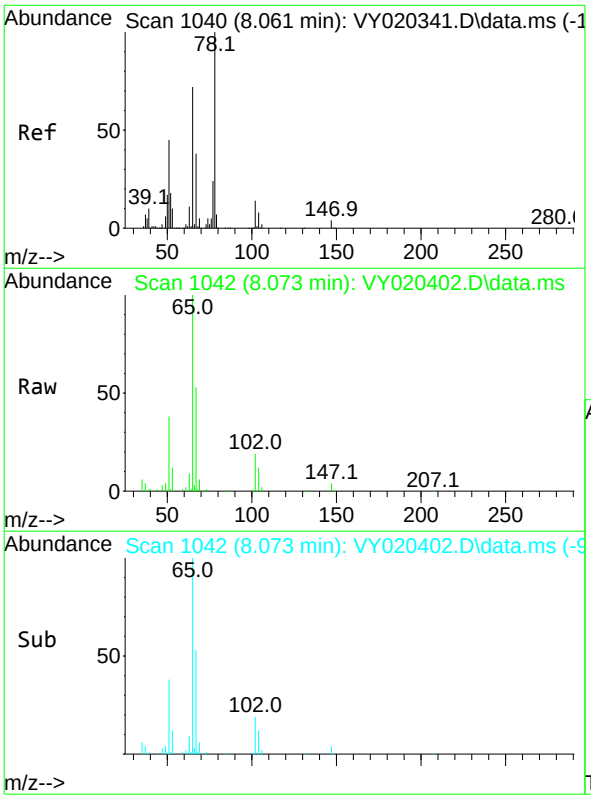
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tgt Ion:168 Resp: 161234

Ion	Ratio	Lower	Upper
168	100		
99	60.5	46.6	69.8

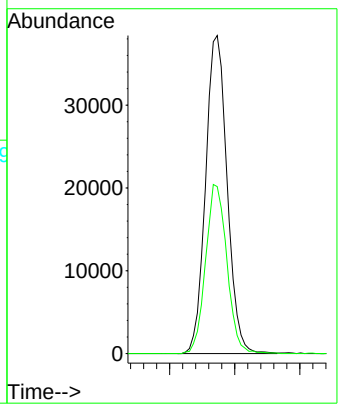


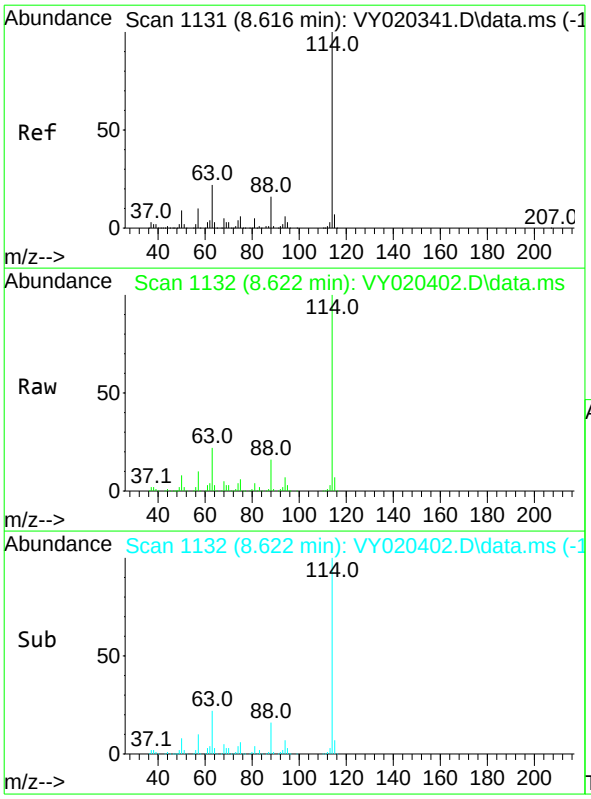


#33
1,2-Dichloroethane-d4
Concen: 47.635 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Tgt Ion: 65 Resp: 88239

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	105.8



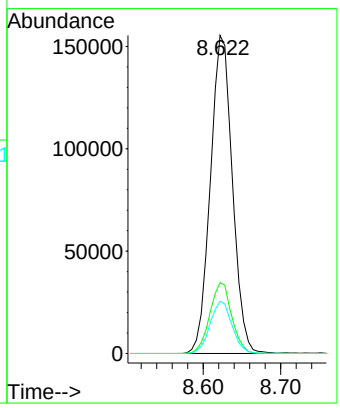


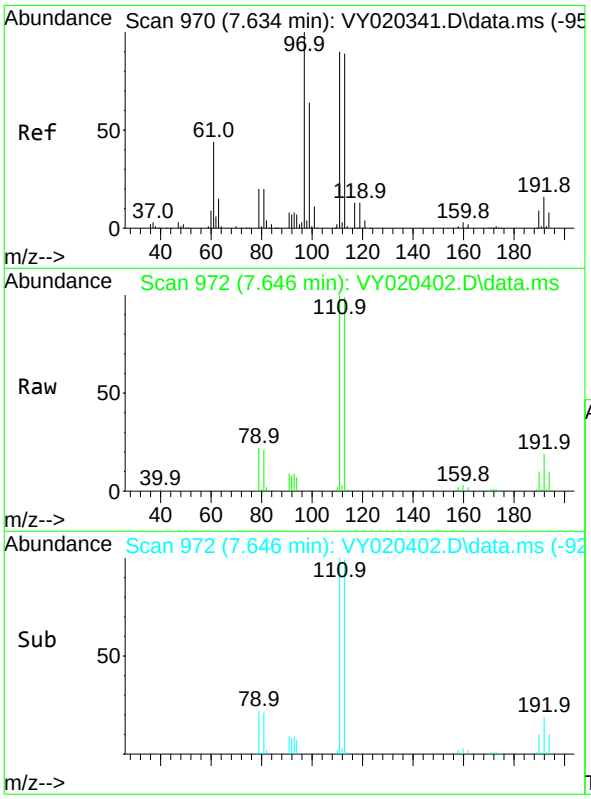
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tgt Ion:114 Resp: 306842

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	44.8
88	16.4	0.0	32.0

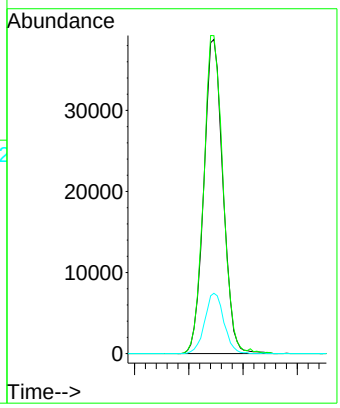


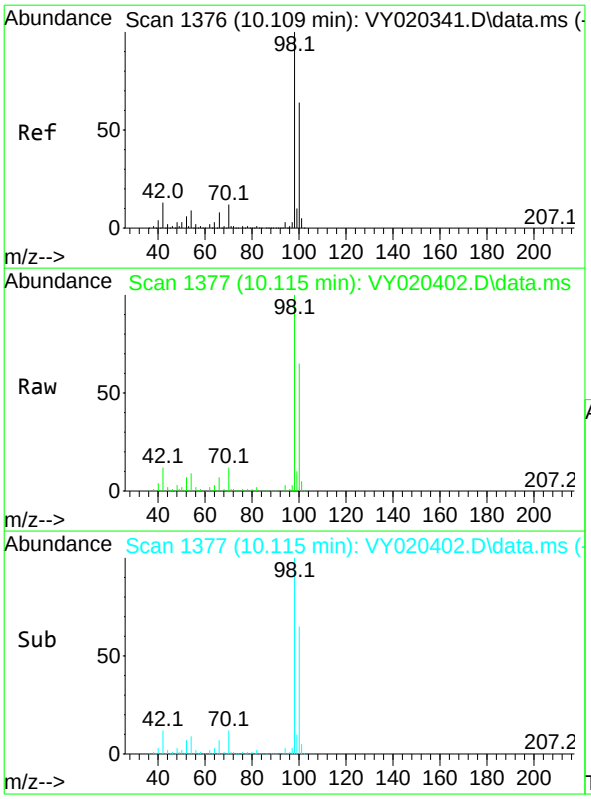


#35
Dibromofluoromethane
Concen: 48.381 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Tgt Ion:113 Resp: 95193

Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.4	122.0
192	19.2	15.1	22.7



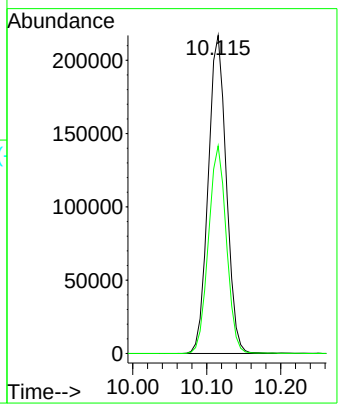


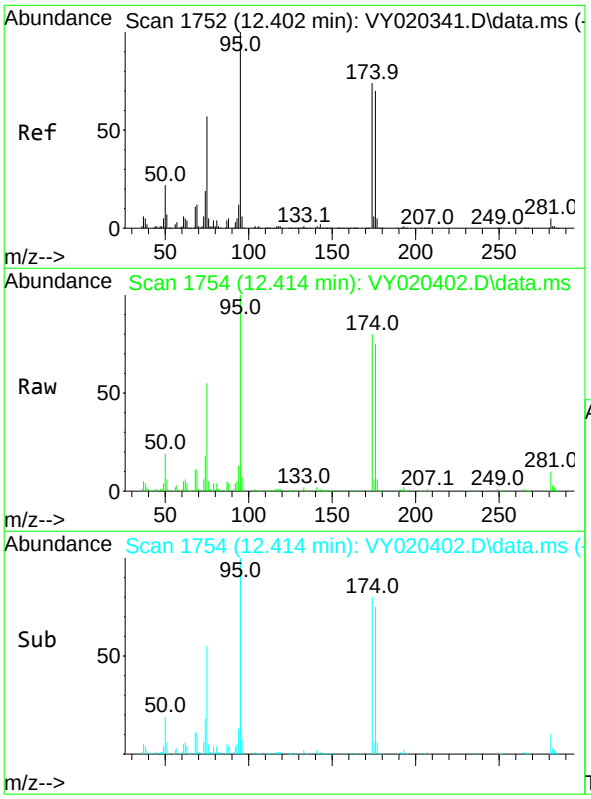
#50
Toluene-d8
Concen: 47.599 ug/l
RT: 10.115 min Scan# 13
Delta R.T. 0.006 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tgt Ion: 98 Resp: 368920

Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.3	76.9

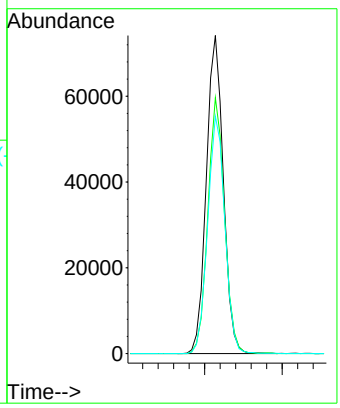


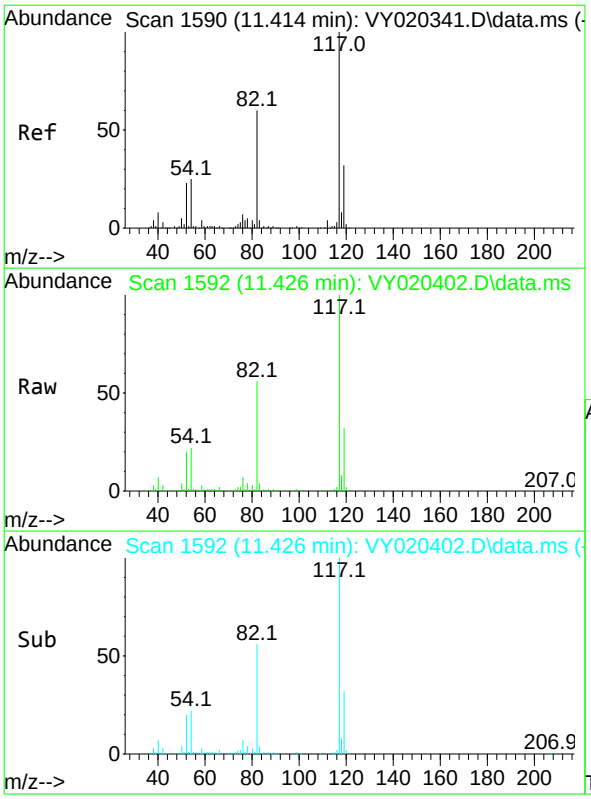


#62
4-Bromofluorobenzene
Concen: 45.341 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.012 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Tgt Ion: 95 Resp: 112970

Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	156.8
176	75.2	0.0	152.0



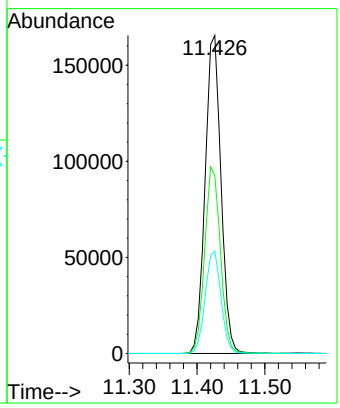


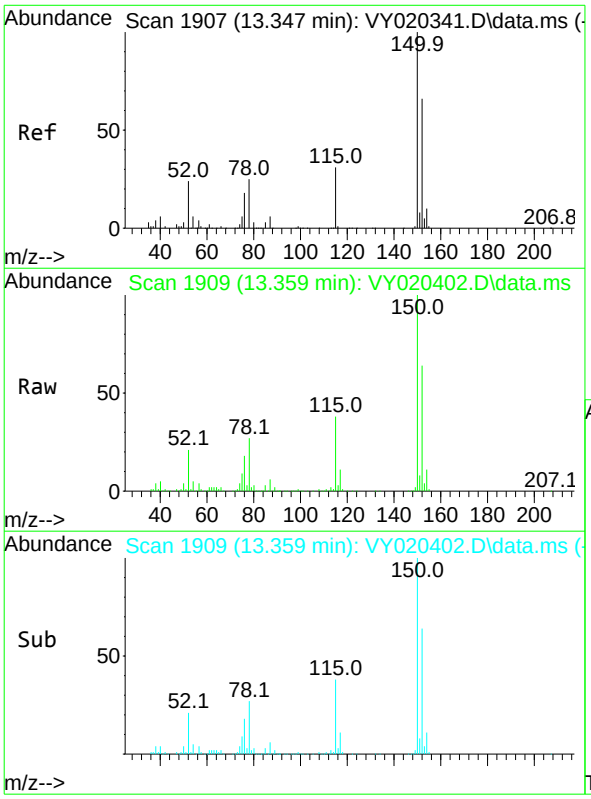
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 15
Delta R.T. 0.012 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Tgt Ion:117 Resp: 269008

Ion	Ratio	Lower	Upper
117	100		
82	56.0	48.2	72.4
119	32.2	25.8	38.8

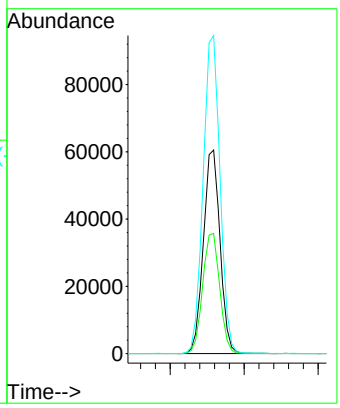




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1909
Delta R.T. 0.012 min
Lab File: VY020402.D
Acq: 22 Nov 2024 10:15

Tgt Ion:152 Resp: 94757

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.0	90.0
150	158.3	0.0	348.2



Sample Results: **VY020402.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

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\82Y111924S.M
Title : SW846 8260

Signal : TIC: VY020402.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.896	837	849	860	rBV2	15164	49393	5.01%	0.975%
2	7.646	962	972	978	rBV	131653	323040	32.75%	6.375%
3	7.720	978	984	997	rVB	218762	495760	50.26%	9.783%
4	8.073	1030	1042	1052	rBV	109046	257161	26.07%	5.075%
5	8.622	1124	1132	1145	rBV	372459	737886	74.81%	14.561%
6	10.115	1369	1377	1386	rBV	578837	986383	100.00%	19.465%
7	10.512	1435	1442	1456	rVB	52910	100548	10.19%	1.984%
8	10.884	1498	1503	1512	rBV	10612	19038	1.93%	0.376%
9	11.420	1584	1591	1604	rBV	513727	848917	86.06%	16.752%
10	12.414	1747	1754	1765	rBV2	392586	640465	64.93%	12.639%
11	13.353	1902	1908	1917	rVB	373217	595680	60.39%	11.755%
12	13.895	1990	1997	2002	rVB	8385	13200	1.34%	0.260%

Sum of corrected areas: 5067471

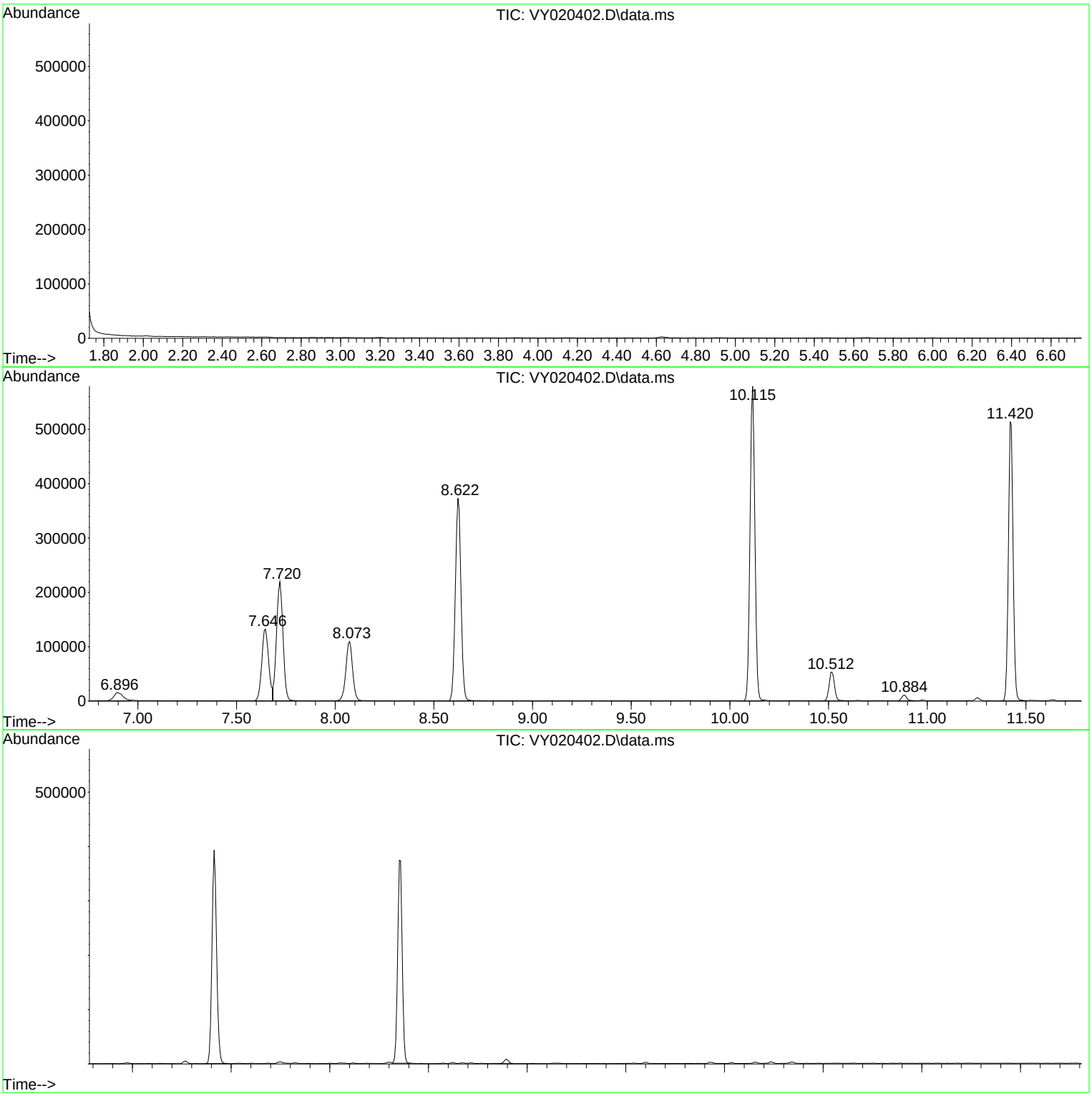
Sample Results: **VY020402.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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



Sample Results: **VY020402.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020402.D
Acq On : 22 Nov 2024 10:15
Operator : SY/MD
Sample : VY1122SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.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_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	150630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	253557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	229692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	114872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	102086	46.923	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.840%		
35) Dibromofluoromethane	8.165	113	82888	48.295	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.600%		
50) Toluene-d8	10.565	98	283802	44.890	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.780%		
62) 4-Bromofluorobenzene	12.847	95	113847	48.183	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.360%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	35618	20.569	ug/l	97
3) Chloromethane	2.359	50	39396	17.764	ug/l	96
4) Vinyl Chloride	2.506	62	35932	19.293	ug/l	94
5) Bromomethane	2.901	94	19858	20.124	ug/l	91
6) Chloroethane	3.071	64	23127	19.201	ug/l	98
7) Trichlorofluoromethane	3.465	101	60800	19.818	ug/l	99
8) Diethyl Ether	3.953	74	23262	21.494	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.353	101	34019	19.624	ug/l	98
10) Methyl Iodide	4.577	142	48587	20.971	ug/l	98
11) Tert butyl alcohol	5.542	59	33696	117.336	ug/l	98
12) 1,1-Dichloroethene	4.330	96	32651	19.034	ug/l	94
13) Acrolein	4.171	56	31534	110.120	ug/l	97
14) Allyl chloride	5.012	41	54299	19.519	ug/l	94
15) Acrylonitrile	5.712	53	96254	115.780	ug/l	98
16) Acetone	4.430	43	72399	113.647	ug/l	96
17) Carbon Disulfide	4.700	76	93961	17.787	ug/l	98
18) Methyl Acetate	5.024	43	50778	19.700	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	114824	21.839	ug/l	98
20) Methylene Chloride	5.265	84	38672	20.210	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	33847	19.216	ug/l	95
22) Diisopropyl ether	6.671	45	116859	21.141	ug/l	97
23) Vinyl Acetate	6.600	43	432838	113.548	ug/l	98
24) 1,1-Dichloroethane	6.559	63	65568	19.757	ug/l	97
25) 2-Butanone	7.483	43	124217	122.382	ug/l	97
26) 2,2-Dichloropropane	7.483	77	58388	20.214	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	41367	20.114	ug/l	97
28) Bromochloromethane	7.806	49	28846	21.817	ug/l	90
29) Tetrahydrofuran	7.841	42	81330	120.782	ug/l	96
30) Chloroform	7.965	83	69698	20.634	ug/l	93
31) Cyclohexane	8.247	56	56449	18.794	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	61504	20.005	ug/l	97
36) 1,1-Dichloropropene	8.365	75	45714	19.205	ug/l	98
37) Ethyl Acetate	7.559	43	48545	22.479	ug/l	95
38) Carbon Tetrachloride	8.359	117	55251	20.767	ug/l	95
39) Methylcyclohexane	9.600	83	49871	20.595	ug/l	97
40) Benzene	8.600	78	151055	19.761	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	28047	24.151	ug/l		98
42) 1,2-Dichloroethane	8.665	62	52979	21.400	ug/l		99
43) Isopropyl Acetate	8.688	43	89614	21.919	ug/l		99
44) Trichloroethene	9.347	130	34468	19.552	ug/l		97
45) 1,2-Dichloropropane	9.618	63	37090	20.684	ug/l		98
46) Dibromomethane	9.706	93	26646	21.059	ug/l		96
47) Bromodichloromethane	9.888	83	53986	20.241	ug/l	#	99
48) Methyl methacrylate	9.682	41	39511	23.508	ug/l		98
49) 1,4-Dioxane	9.694	88	13647	458.199	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	257532	125.092	ug/l		99
52) Toluene	10.629	92	92522	20.695	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	53494	19.376	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	58965	20.179	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	36801	21.853	ug/l		95
56) Ethyl methacrylate	10.871	69	57695	23.685	ug/l		96
57) 1,3-Dichloropropane	11.159	76	61447	21.260	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	115920	101.699	ug/l		95
59) 2-Hexanone	11.194	43	190538	127.150	ug/l		99
60) Dibromochloromethane	11.359	129	41243	21.489	ug/l		99
61) 1,2-Dibromoethane	11.471	107	36672	21.265	ug/l		98
64) Tetrachloroethene	11.100	164	30097	19.699	ug/l		93
65) Chlorobenzene	11.888	112	99409	19.345	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	35112	19.644	ug/l		98
67) Ethyl Benzene	11.965	91	168037	19.590	ug/l		99
68) m/p-Xylenes	12.071	106	127695	39.323	ug/l		99
69) o-Xylene	12.400	106	62946	20.721	ug/l		99
70) Styrene	12.412	104	106834	20.160	ug/l		99
71) Bromoform	12.582	173	26831	19.950	ug/l	#	95
73) Isopropylbenzene	12.694	105	155280	19.290	ug/l		99
74) N-amyl acetate	12.494	43	72549	21.175	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	54852	20.414	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	46699m	20.337	ug/l		
77) Bromobenzene	12.976	156	40419	18.677	ug/l		96
78) n-propylbenzene	13.035	91	178621	18.935	ug/l		98
79) 2-Chlorotoluene	13.123	91	117308	19.032	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	132819	19.907	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	18261m	18.867	ug/l		
82) 4-Chlorotoluene	13.218	91	119090	18.359	ug/l		98
83) tert-Butylbenzene	13.435	119	112021	20.287	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	138540	20.119	ug/l		98
85) sec-Butylbenzene	13.618	105	149002	19.103	ug/l		100
86) p-Isopropyltoluene	13.729	119	123982	19.382	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	73769	17.467	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	72532	18.009	ug/l		99
89) n-Butylbenzene	14.059	91	102739	17.170	ug/l		99
90) Hexachloroethane	14.335	117	25263	17.709	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	73040	17.997	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11216	20.605	ug/l		95
93) 1,2,4-Trichlorobenzene	15.394	180	35527	15.994	ug/l		98
94) Hexachlorobutadiene	15.500	225	16423	16.836	ug/l		96
95) Naphthalene	15.641	128	117662	17.697	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	35531	16.478	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

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

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

Sample Results: **VN084964.D**

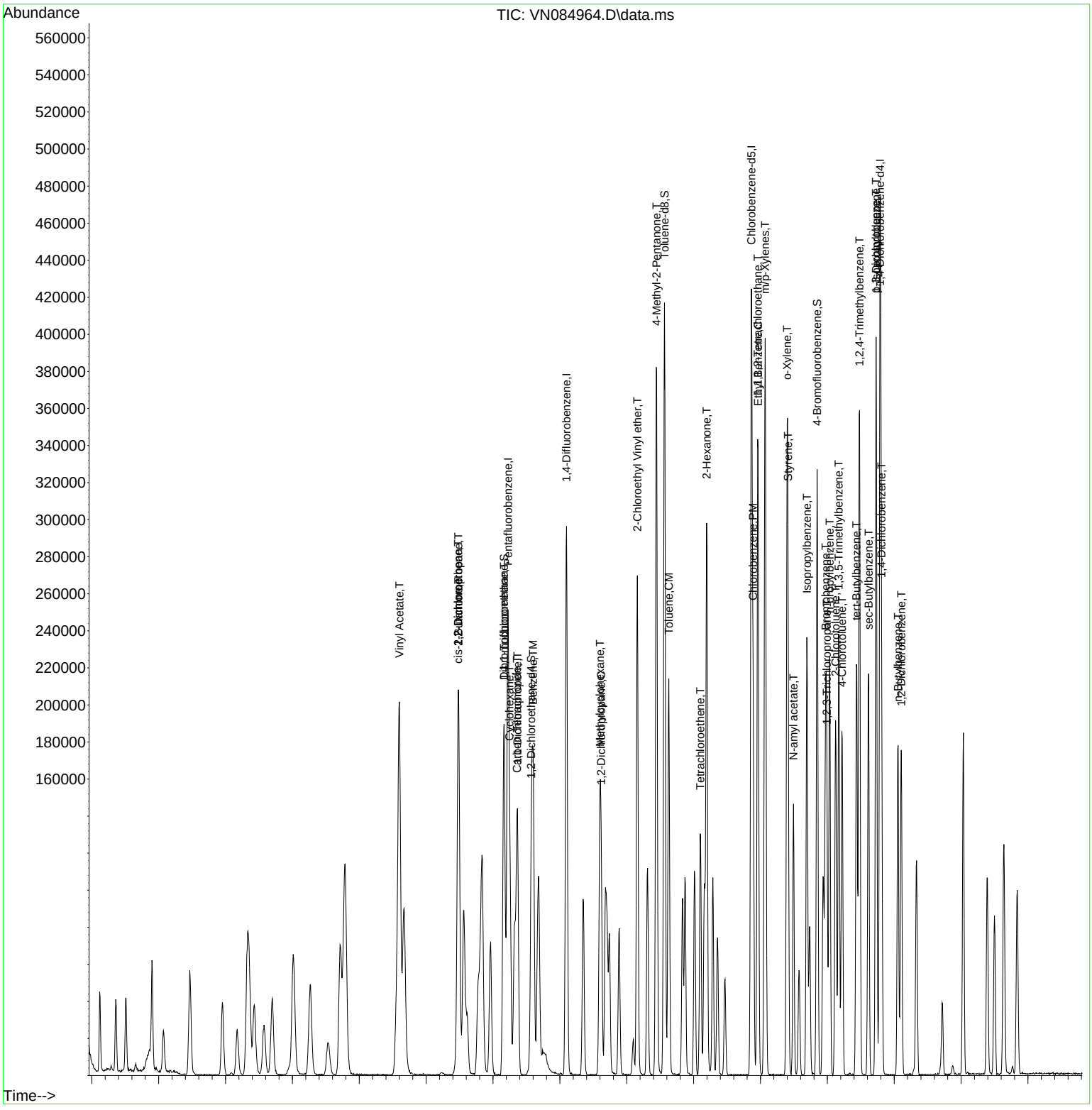
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084964.D
Acq On : 20 Nov 2024 13:20
Operator : JC\MD
Sample : VN1120WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 21 00:36:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	180247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	303523	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	255135	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	121310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	95330	46.035	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 92.060%			
35) Dibromofluoromethane	7.640	113	85002	43.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.340%			
50) Toluene-d8	10.109	98	332344	43.348	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.700%			
62) 4-Bromofluorobenzene	12.408	95	110943	45.014	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 90.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38946	22.260	ug/l	97
3) Chloromethane	2.074	50	40357	14.316	ug/l	96
4) Vinyl Chloride	2.208	62	37886	15.784	ug/l	98
5) Bromomethane	2.604	94	20743	17.304	ug/l	100
6) Chloroethane	2.739	64	23745	16.958	ug/l	98
7) Trichlorofluoromethane	3.068	101	66071	19.809	ug/l	98
8) Diethyl Ether	3.458	74	19799	18.813	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	36345	18.297	ug/l	100
10) Methyl Iodide	4.013	142	47517	17.859	ug/l	95
11) Tert butyl alcohol	4.872	59	14695	90.913	ug/l	95
12) 1,1-Dichloroethene	3.799	96	35988	18.303	ug/l	98
13) Acrolein	3.659	56	18523	144.453	ug/l	99
14) Allyl chloride	4.391	41	68363	17.979	ug/l	95
15) Acrylonitrile	5.067	53	43974	94.525	ug/l	99
16) Acetone	3.879	43	46611	93.891	ug/l	94
17) Carbon Disulfide	4.110	76	114597	17.299	ug/l	99
18) Methyl Acetate	4.391	43	20960	18.113	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	98615	19.307	ug/l	97
20) Methylene Chloride	4.622	84	39953	19.004	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	39135	17.920	ug/l	94
22) Diisopropyl ether	6.031	45	137248	18.317	ug/l	98
23) Vinyl Acetate	5.970	43	388407	92.756	ug/l	99
24) 1,1-Dichloroethane	5.927	63	78285	18.507	ug/l	96
25) 2-Butanone	6.902	43	63764	99.770	ug/l	98
26) 2,2-Dichloropropane	6.896	77	69511	19.881	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	45476	18.906	ug/l	96
28) Bromochloromethane	7.256	49	32189	18.080	ug/l	99
29) Tetrahydrofuran	7.268	42	37676	98.633	ug/l	98
30) Chloroform	7.427	83	77412	18.951	ug/l	98
31) Cyclohexane	7.707	56	72133	18.686	ug/l #	95
32) 1,1,1-Trichloroethane	7.622	97	72285	20.154	ug/l	99
36) 1,1-Dichloropropene	7.841	75	57076	19.200	ug/l	98
37) Ethyl Acetate	6.994	43	27101	19.901	ug/l	99
38) Carbon Tetrachloride	7.823	117	65629	21.145	ug/l	98
39) Methylcyclohexane	9.115	83	69833	18.771	ug/l	97
40) Benzene	8.085	78	171136	19.645	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	13680	17.656	ug/l		96
42) 1,2-Dichloroethane	8.164	62	48620	20.677	ug/l		98
43) Isopropyl Acetate	8.201	43	53412	20.169	ug/l	#	87
44) Trichloroethene	8.865	130	39835	19.299	ug/l		97
45) 1,2-Dichloropropane	9.146	63	39715	19.108	ug/l		99
46) Dibromomethane	9.237	93	20413	19.162	ug/l		97
47) Bromodichloromethane	9.426	83	58594	19.924	ug/l		98
48) Methyl methacrylate	9.225	41	24591	19.422	ug/l		95
49) 1,4-Dioxane	9.231	88	4188	382.119	ug/l	#	93
51) 4-Methyl-2-Pentanone	9.999	43	133986	99.697	ug/l		99
52) Toluene	10.176	92	102921	19.329	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	53363	19.189	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	63347	19.899	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	26820	18.966	ug/l		100
56) Ethyl methacrylate	10.438	69	39987	18.829	ug/l		98
57) 1,3-Dichloropropane	10.719	76	50296	19.791	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	100485	99.789	ug/l		99
59) 2-Hexanone	10.761	43	97031	101.962	ug/l		100
60) Dibromochloromethane	10.914	129	36034	19.770	ug/l		98
61) 1,2-Dibromoethane	11.018	107	24532	18.722	ug/l		100
64) Tetrachloroethene	10.652	164	34140	18.563	ug/l		96
65) Chlorobenzene	11.444	112	105916	18.619	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	37863	19.924	ug/l		97
67) Ethyl Benzene	11.524	91	199885	19.046	ug/l		100
68) m/p-Xylenes	11.633	106	148141	39.189	ug/l		98
69) o-Xylene	11.956	106	70006	19.525	ug/l		98
70) Styrene	11.975	104	117883	19.789	ug/l		99
71) Bromoform	12.133	173	20512	20.711	ug/l	#	98
73) Isopropylbenzene	12.255	105	189065	18.398	ug/l		100
74) N-amyl acetate	12.072	43	45544	18.339	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.511	83	30208	18.188	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	21691m	18.971	ug/l		
77) Bromobenzene	12.536	156	39097	18.159	ug/l		95
78) n-propylbenzene	12.597	91	228254	18.508	ug/l		100
79) 2-Chlorotoluene	12.682	91	128274	18.090	ug/l		100
80) 1,3,5-Trimethylbenzene	12.743	105	153707	18.507	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.304	75	10525	18.037	ug/l		95
82) 4-Chlorotoluene	12.779	91	130788	17.871	ug/l		98
83) tert-Butylbenzene	13.005	119	134252	18.318	ug/l		96
84) 1,2,4-Trimethylbenzene	13.048	105	150805	18.315	ug/l		99
85) sec-Butylbenzene	13.182	105	197873	17.126	ug/l		100
86) p-Isopropyltoluene	13.298	119	162886	18.233	ug/l		99
87) 1,3-Dichlorobenzene	13.292	146	77470	17.796	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	76598	18.416	ug/l		98
89) n-Butylbenzene	13.621	91	153757	17.973	ug/l		99
90) Hexachloroethane	13.883	117	31013	17.986	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	67451	18.596	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	4936	18.112	ug/l		95
93) 1,2,4-Trichlorobenzene	14.925	180	39202	17.875	ug/l		99
94) Hexachlorobutadiene	15.029	225	24790	18.518	ug/l		98
95) Naphthalene	15.151	128	69552	18.415	ug/l		99
96) 1,2,3-Trichlorobenzene	15.334	180	32957	17.576	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

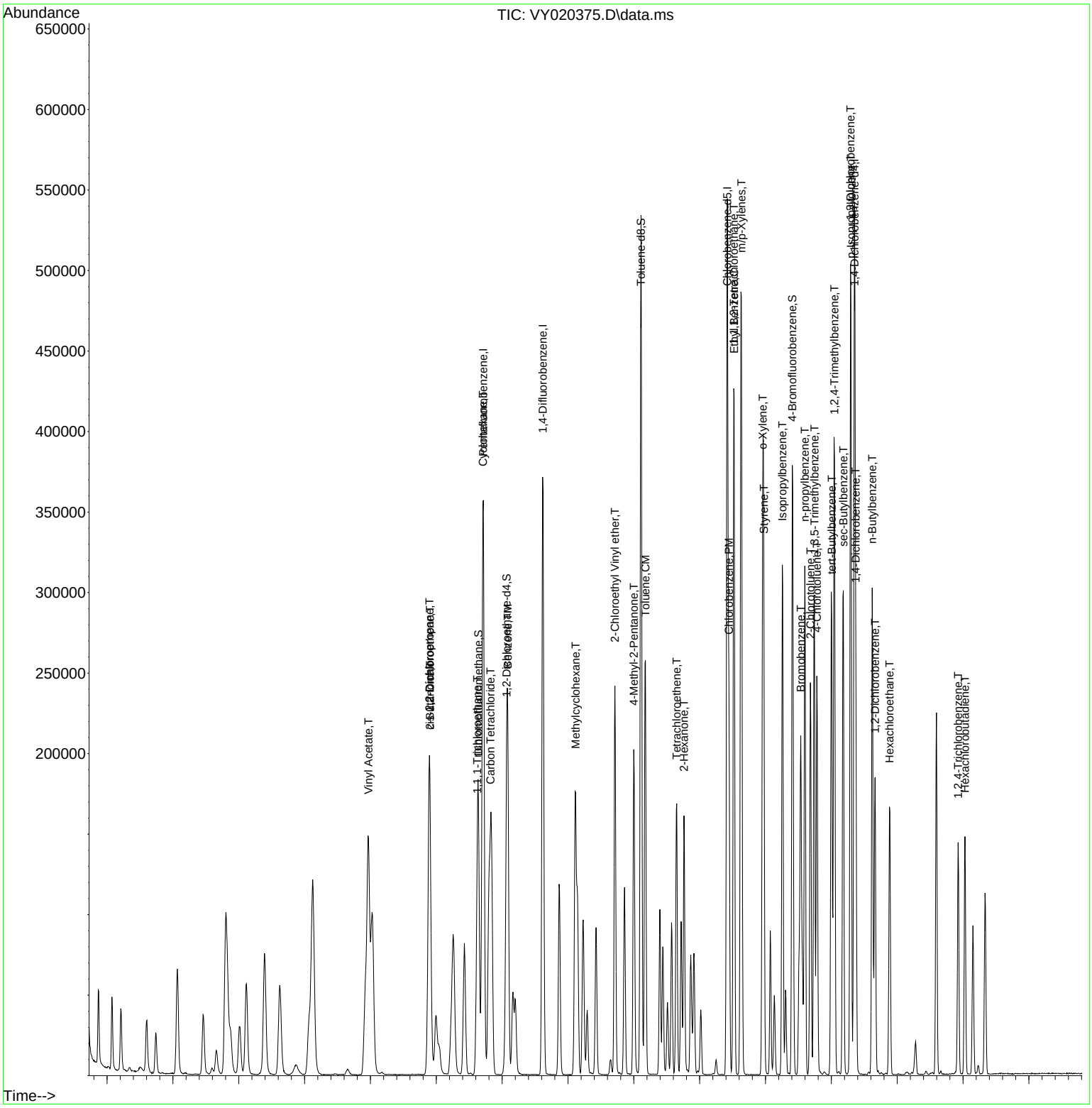
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 13:56:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020404.D
Acq On : 22 Nov 2024 11:04
Operator : SY/MD
Sample : VY1122SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 23:57:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	182116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	298132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	246608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	113255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	111076	53.088	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.180%			
35) Dibromofluoromethane	7.640	113	101764	53.232	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.460%			
50) Toluene-d8	10.109	98	398203	52.878	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.760%			
62) 4-Bromofluorobenzene	12.408	95	132161	54.593	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 109.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44685	25.278	ug/l	99
3) Chloromethane	2.074	50	43774	15.743	ug/l	95
4) Vinyl Chloride	2.214	62	42648	17.586	ug/l	96
5) Bromomethane	2.604	94	24646	20.349	ug/l	98
6) Chloroethane	2.745	64	25674	18.148	ug/l	97
7) Trichlorofluoromethane	3.068	101	76847	22.803	ug/l	100
8) Diethyl Ether	3.458	74	21142	19.883	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.830	101	43231	21.540	ug/l	99
10) Methyl Iodide	4.013	142	52717	19.610	ug/l	94
11) Tert butyl alcohol	4.872	59	14325	87.581	ug/l	100
12) 1,1-Dichloroethene	3.799	96	41271	20.774	ug/l	99
13) Acrolein	3.665	56	16167	124.786	ug/l	99
14) Allyl chloride	4.397	41	72760	18.940	ug/l	95
15) Acrylonitrile	5.067	53	45278	96.329	ug/l	99
16) Acetone	3.879	43	47644	94.987	ug/l	92
17) Carbon Disulfide	4.116	76	130774	19.539	ug/l	100
18) Methyl Acetate	4.391	43	20951	17.919	ug/l	100
19) Methyl tert-butyl Ether	5.128	73	105998	20.539	ug/l	96
20) Methylene Chloride	4.628	84	43466	20.463	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	45023	20.405	ug/l	94
22) Diisopropyl ether	6.025	45	143258	18.922	ug/l	94
23) Vinyl Acetate	5.970	43	397626	93.983	ug/l	100
24) 1,1-Dichloroethane	5.927	63	85352	19.970	ug/l	99
25) 2-Butanone	6.909	43	65000	100.660	ug/l	99
26) 2,2-Dichloropropane	6.896	77	77236	21.864	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	52238	21.494	ug/l	98
28) Bromochloromethane	7.256	49	32981	18.335	ug/l	98
29) Tetrahydrofuran	7.268	42	37344	96.761	ug/l	99
30) Chloroform	7.433	83	87034	21.088	ug/l	99
31) Cyclohexane	7.713	56	80472	20.632	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	82882	22.871	ug/l	98
36) 1,1-Dichloropropene	7.841	75	63439	21.727	ug/l	99
37) Ethyl Acetate	6.994	43	26794	20.032	ug/l	97
38) Carbon Tetrachloride	7.823	117	75608	24.801	ug/l	98
39) Methylcyclohexane	9.115	83	82700	22.631	ug/l	99
40) Benzene	8.085	78	192195	22.461	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020404.D
Acq On : 22 Nov 2024 11:04
Operator : SY/MD
Sample : VY1122SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 23:57:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	15027	19.745	ug/l	98
42) 1,2-Dichloroethane	8.164	62	52455	22.711	ug/l	100
43) Isopropyl Acetate	8.201	43	53749	20.663	ug/l	96
44) Trichloroethene	8.872	130	46129	22.753	ug/l	98
45) 1,2-Dichloropropane	9.146	63	44684	21.887	ug/l	99
46) Dibromomethane	9.237	93	21891	20.921	ug/l	97
47) Bromodichloromethane	9.426	83	63732	22.063	ug/l	98
48) Methyl methacrylate	9.225	41	25223	20.282	ug/l	97
49) 1,4-Dioxane	9.231	88	4426	411.137	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	134967	102.243	ug/l	99
52) Toluene	10.176	92	117588	22.483	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	57948	21.214	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	69407	22.197	ug/l	97
55) 1,1,2-Trichloroethane	10.579	97	30154	21.710	ug/l	96
56) Ethyl methacrylate	10.444	69	41769	20.024	ug/l	94
57) 1,3-Dichloropropane	10.719	76	52320	20.960	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	99738	100.839	ug/l	100
59) 2-Hexanone	10.761	43	96861	103.624	ug/l	97
60) Dibromochloromethane	10.914	129	40445	22.591	ug/l	99
61) 1,2-Dibromoethane	11.018	107	27281	21.196	ug/l	99
64) Tetrachloroethene	10.652	164	40490	22.777	ug/l	95
65) Chlorobenzene	11.444	112	122560	22.290	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	41629	22.663	ug/l	98
67) Ethyl Benzene	11.524	91	228903	22.565	ug/l	100
68) m/p-Xylenes	11.633	106	166365	45.531	ug/l	98
69) o-Xylene	11.956	106	78340	22.605	ug/l	96
70) Styrene	11.975	104	132399	22.994	ug/l	99
71) Bromoform	12.133	173	22552	23.558	ug/l	100
73) Isopropylbenzene	12.261	105	219664	22.896	ug/l	100
74) N-amyl acetate	12.072	43	43939	18.952	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	32756	21.125	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	22996m	21.543	ug/l	
77) Bromobenzene	12.536	156	43708	21.745	ug/l	98
78) n-propylbenzene	12.597	91	253646	22.029	ug/l	99
79) 2-Chlorotoluene	12.682	91	144796	21.872	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	176320	22.740	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	11280	20.706	ug/l	98
82) 4-Chlorotoluene	12.779	91	146063	21.378	ug/l	99
83) tert-Butylbenzene	13.005	119	154600	22.594	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	174090	22.647	ug/l	98
85) sec-Butylbenzene	13.182	105	221656	20.548	ug/l	100
86) p-Isopropyltoluene	13.298	119	184448	22.115	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	87940	21.637	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	87853	22.624	ug/l	99
89) n-Butylbenzene	13.621	91	171542	21.478	ug/l	99
90) Hexachloroethane	13.883	117	34288	21.300	ug/l	94
91) 1,2-Dichlorobenzene	13.663	146	75430	22.275	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5026	19.754	ug/l	95
93) 1,2,4-Trichlorobenzene	14.931	180	43522	21.257	ug/l	99
94) Hexachlorobutadiene	15.029	225	27642	22.118	ug/l	99
95) Naphthalene	15.151	128	72288	20.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	36036	20.585	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020404.D
Acq On : 22 Nov 2024 11:04
Operator : SY/MD
Sample : VY1122SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 23:57:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024

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

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

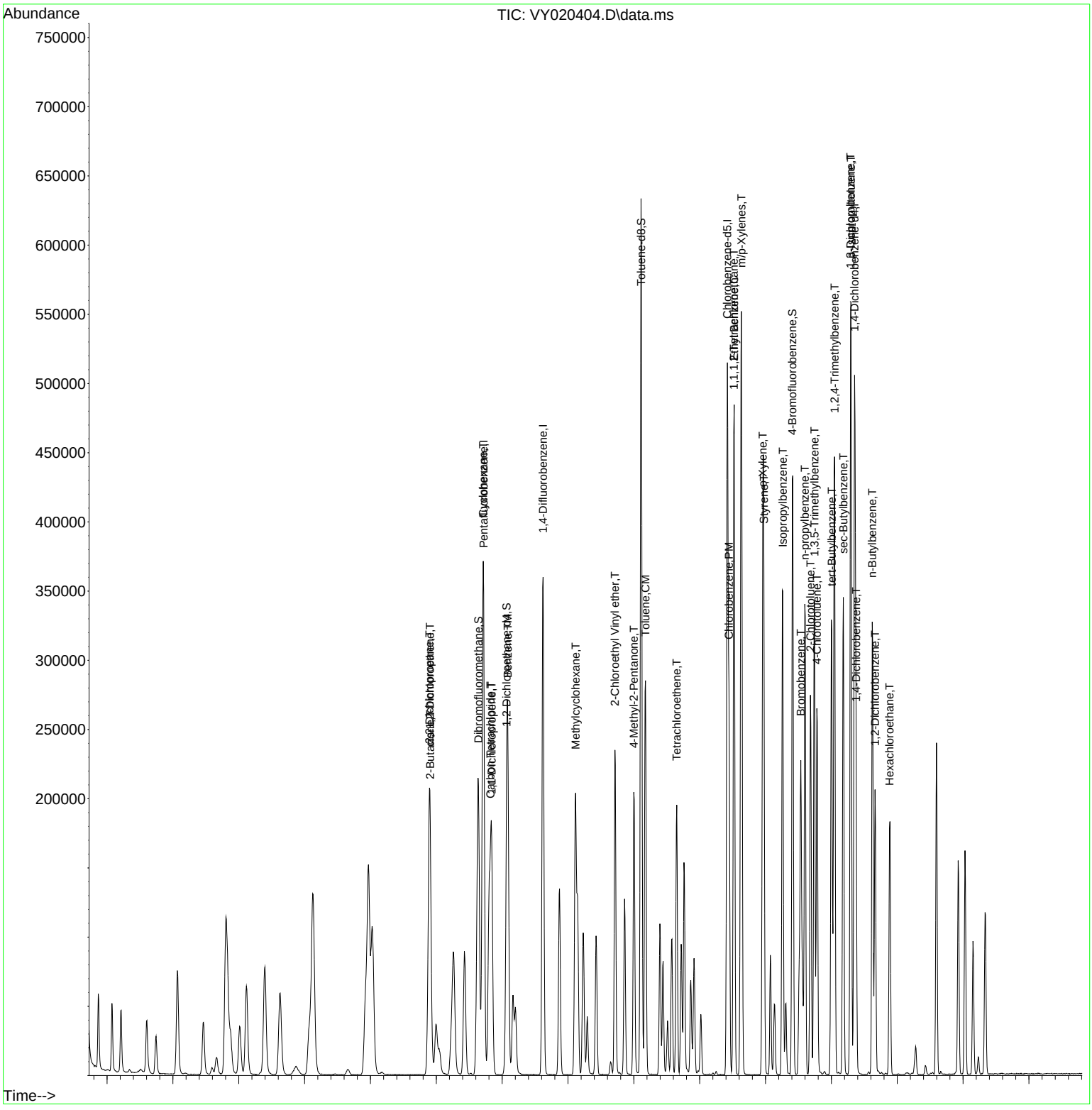
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112224\
Data File : VY020404.D
Acq On : 22 Nov 2024 11:04
Operator : SY/MD
Sample : VY1122SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 22 23:57:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1122SBS02

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024
Supervised By :Semsettin Yesilyurt 11/26/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084982.D
Acq On : 20 Nov 2024 20:34
Operator : JC\MD
Sample : VN1120WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 00:48:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBSD02

Manual Integrations APPROVED
Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	152907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	231842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	119679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114230	51.723	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.440%			
35) Dibromofluoromethane	8.159	113	91248	50.575	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.160%			
50) Toluene-d8	10.565	98	313909	47.232	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.460%			
62) 4-Bromofluorobenzene	12.847	95	125548	50.545	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	34562	19.662	ug/l	99
3) Chloromethane	2.359	50	37667	16.577	ug/l	98
4) Vinyl Chloride	2.512	62	35774	18.922	ug/l	91
5) Bromomethane	2.900	94	19214	19.181	ug/l	98
6) Chloroethane	3.077	64	22681	18.502	ug/l	94
7) Trichlorofluoromethane	3.471	101	60720	19.497	ug/l	94
8) Diethyl Ether	3.953	74	20654	18.800	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	32772	18.623	ug/l	95
10) Methyl Iodide	4.583	142	44856	19.072	ug/l	99
11) Tert butyl alcohol	5.536	59	30573	104.876	ug/l	99
12) 1,1-Dichloroethene	4.330	96	31189	17.911	ug/l	98
13) Acrolein	4.171	56	25199	86.687	ug/l	98
14) Allyl chloride	5.018	41	51587	18.268	ug/l	94
15) Acrylonitrile	5.718	53	85328	101.109	ug/l	99
16) Acetone	4.430	43	71297	110.164	ug/l	97
17) Carbon Disulfide	4.700	76	89124	16.620	ug/l	97
18) Methyl Acetate	5.018	43	49465	18.730	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	101746	19.064	ug/l	96
20) Methylene Chloride	5.259	84	36933	19.014	ug/l	90
21) trans-1,2-Dichloroethene	5.783	96	32924	18.414	ug/l	98
22) Diisopropyl ether	6.665	45	109832	19.574	ug/l	97
23) Vinyl Acetate	6.600	43	390172	100.831	ug/l	100
24) 1,1-Dichloroethane	6.565	63	64019	19.003	ug/l	99
25) 2-Butanone	7.482	43	111299	108.022	ug/l	98
26) 2,2-Dichloropropane	7.482	77	51408	17.533	ug/l	97
27) cis-1,2-Dichloroethene	7.482	96	38034	18.218	ug/l	98
28) Bromochloromethane	7.812	49	27051	20.155	ug/l	96
29) Tetrahydrofuran	7.835	42	70167	102.653	ug/l	94
30) Chloroform	7.959	83	66479	19.388	ug/l	99
31) Cyclohexane	8.253	56	54537	17.887	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	60845	19.496	ug/l	95
36) 1,1-Dichloropropene	8.365	75	43515	17.391	ug/l	98
37) Ethyl Acetate	7.559	43	45238	19.927	ug/l	99
38) Carbon Tetrachloride	8.359	117	54439	19.465	ug/l	93
39) Methylcyclohexane	9.600	83	44992	17.675	ug/l	98
40) Benzene	8.600	78	143811	17.896	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084982.D
Acq On : 20 Nov 2024 20:34
Operator : JC\MD
Sample : VN1120WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 00:48:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	25063	20.529 ug/l	99
42) 1,2-Dichloroethane	8.665	62	49509	19.024 ug/l	100
43) Isopropyl Acetate	8.694	43	171473	40.705 ug/l #	78
44) Trichloroethene	9.353	130	32132	17.338 ug/l	95
45) 1,2-Dichloropropane	9.618	63	34804	18.463 ug/l	99
46) Dibromomethane	9.706	93	24056	18.085 ug/l	95
47) Bromodichloromethane	9.888	83	51390	18.328 ug/l #	98
48) Methyl methacrylate	9.676	41	34485	19.518 ug/l	96
49) 1,4-Dioxane	9.700	88	12762	407.603 ug/l #	78
51) 4-Methyl-2-Pentanone	10.447	43	231343	106.895 ug/l	100
52) Toluene	10.629	92	87002	18.512 ug/l	97
53) t-1,3-Dichloropropene	10.835	75	48918	16.855 ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	54329	17.687 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	33918	19.159 ug/l	97
56) Ethyl methacrylate	10.871	69	50083	19.558 ug/l	97
57) 1,3-Dichloropropane	11.159	76	56421	18.570 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	111870	93.362 ug/l	99
59) 2-Hexanone	11.194	43	167822	106.534 ug/l	99
60) Dibromochloromethane	11.359	129	38433	19.049 ug/l	100
61) 1,2-Dibromoethane	11.465	107	32704	18.040 ug/l	99
64) Tetrachloroethene	11.100	164	27789	18.020 ug/l	96
65) Chlorobenzene	11.888	112	92090	17.755 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	33837	18.756 ug/l	98
67) Ethyl Benzene	11.965	91	156291	18.052 ug/l	98
68) m/p-Xylenes	12.070	106	120037	36.622 ug/l	100
69) o-Xylene	12.400	106	58460	19.066 ug/l	99
70) Styrene	12.412	104	95549	17.863 ug/l	99
71) Bromoform	12.582	173	25788	18.996 ug/l #	98
73) Isopropylbenzene	12.694	105	144330	17.209 ug/l	99
74) N-amyl acetate	12.494	43	65496	18.348 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	49697	17.753 ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	42840m	17.907 ug/l	
77) Bromobenzene	12.982	156	36601	16.234 ug/l	96
78) n-propylbenzene	13.035	91	168306	17.125 ug/l	99
79) 2-Chlorotoluene	13.123	91	110671	17.234 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	122387	17.607 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	16717	16.578 ug/l	97
82) 4-Chlorotoluene	13.223	91	109045	16.135 ug/l	99
83) tert-Butylbenzene	13.441	119	105393	18.320 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	126386	17.617 ug/l	98
85) sec-Butylbenzene	13.617	105	136668	16.818 ug/l	100
86) p-Isopropyltoluene	13.729	119	115130	17.275 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	66030	15.007 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	67804	16.062 ug/l	99
89) n-Butylbenzene	14.053	91	90392	14.499 ug/l	97
90) Hexachloroethane	14.335	117	23701	15.947 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	66831	15.806 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	9980	17.598 ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	30101	13.007 ug/l	99
94) Hexachlorobutadiene	15.506	225	14187	13.959 ug/l	98
95) Naphthalene	15.641	128	95370	13.768 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	29583	13.168 ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084982.D
Acq On : 20 Nov 2024 20:34
Operator : JC\MD
Sample : VN1120WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 00:48:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024

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

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

Sample Results: **VN084982.D**

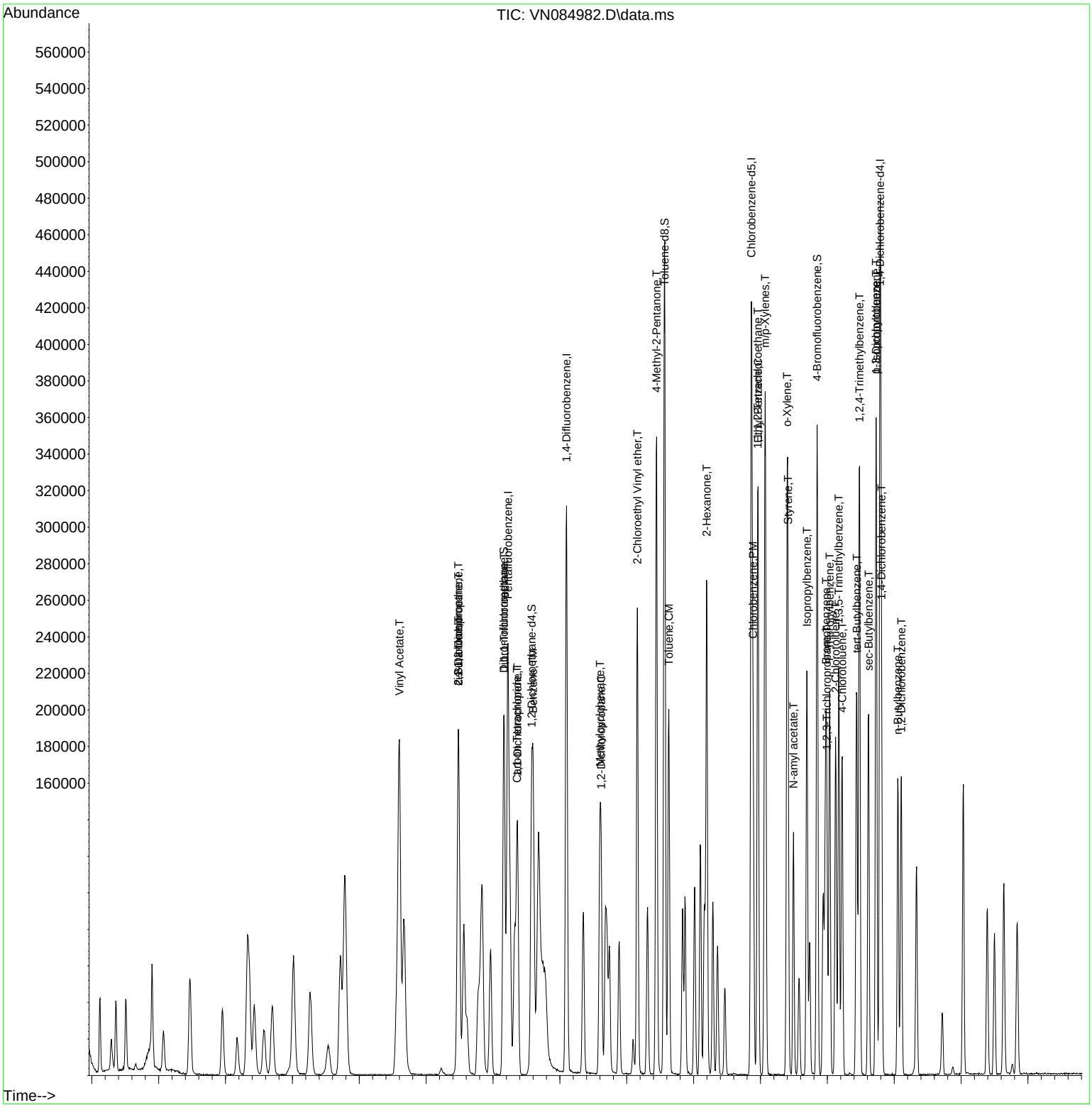
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112024\
Data File : VN084982.D
Acq On : 20 Nov 2024 20:34
Operator : JC\MD
Sample : VN1120WBSD02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Nov 21 00:48:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/21/2024
Supervised By :Mahesh Dadoda 11/21/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020376.D
Acq On : 21 Nov 2024 11:02
Operator : SY/MD
Sample : VY1121SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 13:56:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	168644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	280583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	238249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	112550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	109149	56.334	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.660%			
35) Dibromofluoromethane	7.640	113	95451	53.053	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.100%			
50) Toluene-d8	10.109	98	374478	52.838	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.680%			
62) 4-Bromofluorobenzene	12.407	95	125801	55.216	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 110.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	38936	23.786	ug/l	99
3) Chloromethane	2.074	50	38975	14.941	ug/l	99
4) Vinyl Chloride	2.208	62	37620	16.752	ug/l	95
5) Bromomethane	2.598	94	21438	19.114	ug/l	91
6) Chloroethane	2.739	64	23307	17.791	ug/l	97
7) Trichlorofluoromethane	3.068	101	65889	21.113	ug/l	99
8) Diethyl Ether	3.458	74	20464	20.783	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	35996	19.368	ug/l	97
10) Methyl Iodide	4.007	142	47884	19.235	ug/l	91
11) Tert butyl alcohol	4.872	59	14135	93.578	ug/l	98
12) 1,1-Dichloroethene	3.793	96	36398	19.785	ug/l	98
13) Acrolein	3.659	56	16878	140.680	ug/l	97
14) Allyl chloride	4.385	41	68872	19.360	ug/l	95
15) Acrylonitrile	5.067	53	43291	99.459	ug/l	97
16) Acetone	3.872	43	44344	95.470	ug/l	100
17) Carbon Disulfide	4.110	76	117350	18.934	ug/l	99
18) Methyl Acetate	4.391	43	20544	18.975	ug/l	96
19) Methyl tert-butyl Ether	5.122	73	100468	21.023	ug/l	99
20) Methylene Chloride	4.622	84	40132	20.403	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	39892	19.523	ug/l	86
22) Diisopropyl ether	6.024	45	141471	20.179	ug/l	98
23) Vinyl Acetate	5.964	43	393377	100.406	ug/l	99
24) 1,1-Dichloroethane	5.921	63	78372	19.802	ug/l	99
25) 2-Butanone	6.902	43	63648	106.440	ug/l	97
26) 2,2-Dichloropropane	6.890	77	69713	21.311	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	46613	20.712	ug/l	97
28) Bromochloromethane	7.250	49	29738	17.853	ug/l	99
29) Tetrahydrofuran	7.268	42	37235	104.185	ug/l	99
30) Chloroform	7.427	83	79341	20.760	ug/l	98
31) Cyclohexane	7.707	56	70124	19.415	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	73140	21.795	ug/l	99
36) 1,1-Dichloropropene	7.835	75	57487	20.920	ug/l	99
37) Ethyl Acetate	6.988	43	26683	21.196	ug/l	99
38) Carbon Tetrachloride	7.817	117	66429	23.153	ug/l	92
39) Methylcyclohexane	9.109	83	70241	20.424	ug/l	97
40) Benzene	8.085	78	176015	21.857	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020376.D
Acq On : 21 Nov 2024 11:02
Operator : SY/MD
Sample : VY1121SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 13:56:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	14488	20.227	ug/l		96
42) 1,2-Dichloroethane	8.158	62	50126	23.060	ug/l		99
43) Isopropyl Acetate	8.201	43	53927	22.028	ug/l	#	86
44) Trichloroethene	8.865	130	40165	21.050	ug/l		96
45) 1,2-Dichloropropane	9.146	63	40575	21.118	ug/l		98
46) Dibromomethane	9.231	93	21203	21.530	ug/l		99
47) Bromodichloromethane	9.420	83	58718	21.599	ug/l		97
48) Methyl methacrylate	9.225	41	25163	21.499	ug/l		96
49) 1,4-Dioxane	9.231	88	4576	451.656	ug/l		98
51) 4-Methyl-2-Pentanone	9.999	43	134437	108.211	ug/l		98
52) Toluene	10.170	92	107310	21.801	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	54196	21.082	ug/l		100
54) cis-1,3-Dichloropropene	9.859	75	64670	21.975	ug/l		98
55) 1,1,2-Trichloroethane	10.572	97	26999	20.654	ug/l		98
56) Ethyl methacrylate	10.438	69	40228	20.492	ug/l		97
57) 1,3-Dichloropropane	10.719	76	51078	21.742	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	93264	100.191	ug/l		99
59) 2-Hexanone	10.761	43	95820	108.921	ug/l		99
60) Dibromochloromethane	10.914	129	37704	22.377	ug/l		100
61) 1,2-Dibromoethane	11.018	107	25357	20.933	ug/l		99
64) Tetrachloroethene	10.646	164	35871	20.887	ug/l		93
65) Chlorobenzene	11.444	112	111103	20.915	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	37985	21.405	ug/l		98
67) Ethyl Benzene	11.517	91	207216	21.144	ug/l		99
68) m/p-Xylenes	11.627	106	151238	42.844	ug/l		97
69) o-Xylene	11.956	106	71860	21.463	ug/l		97
70) Styrene	11.969	104	122933	22.099	ug/l		99
71) Bromoform	12.133	173	20516	22.183	ug/l	#	99
73) Isopropylbenzene	12.255	105	194695	20.421	ug/l		100
74) N-amyl acetate	12.072	43	47073	20.430	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	30417	19.740	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	20234m	19.074	ug/l		
77) Bromobenzene	12.536	156	41494	20.772	ug/l		98
78) n-propylbenzene	12.596	91	234844	20.524	ug/l		100
79) 2-Chlorotoluene	12.682	91	133978	20.364	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	159056	20.642	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	11345	20.956	ug/l		96
82) 4-Chlorotoluene	12.779	91	137917	20.312	ug/l		98
83) tert-Butylbenzene	12.999	119	139104	20.457	ug/l		95
84) 1,2,4-Trimethylbenzene	13.042	105	157416	20.606	ug/l		100
85) sec-Butylbenzene	13.176	105	205536	19.173	ug/l		99
86) p-Isopropyltoluene	13.291	119	168630	20.345	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	80241	19.867	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	78947	20.458	ug/l		98
89) n-Butylbenzene	13.621	91	157920	19.896	ug/l		99
90) Hexachloroethane	13.883	117	31925	19.956	ug/l		97
91) 1,2-Dichlorobenzene	13.663	146	69870	20.763	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5113	20.221	ug/l		91
93) 1,2,4-Trichlorobenzene	14.925	180	40599	19.953	ug/l		99
94) Hexachlorobutadiene	15.029	225	25677	20.674	ug/l		98
95) Naphthalene	15.151	128	71167	20.309	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	33813	19.436	ug/l		97

Sample Results: **VY020376.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020376.D
Acq On : 21 Nov 2024 11:02
Operator : SY/MD
Sample : VY1121SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 13:56:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024

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

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

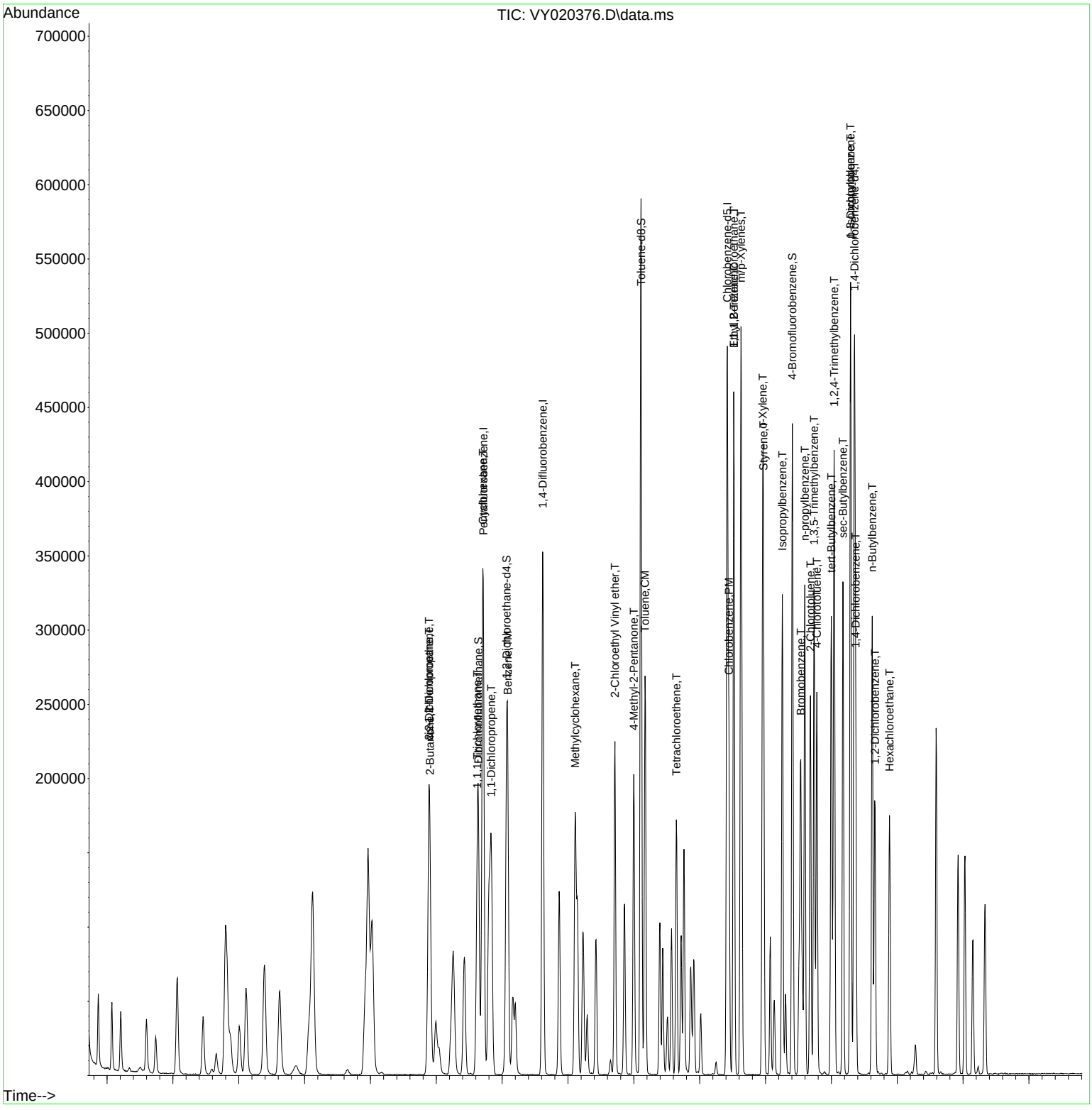
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020376.D
Acq On : 21 Nov 2024 11:02
Operator : SY/MD
Sample : VY1121SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 21 13:56:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111924S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 20 04:38:24 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/22/2024
Supervised By :Mahesh Dadoda 11/22/2024



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

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-but ene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

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:	VN112024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084960.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:26 AM	MMDadoda	11/21/2024 6:45:22 AM	Peak Integrated by Software
VN1120WBS02	VN084964.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:30 AM	MMDadoda	11/21/2024 6:45:25 AM	Peak Integrated by Software
VN1120WBS02	VN084964.D	trans-1,4-Dichloro-2-but ene	SAM	11/21/2024 6:43:30 AM	MMDadoda	11/21/2024 6:45:25 AM	Peak Integrated by Software
VN1120WBSD0 2	VN084982.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:52 AM	MMDadoda	11/21/2024 6:46:11 AM	Peak Integrated by Software
VSTDCCC050	VN084985.D	1,2,3-Trichloropropane	SAM	11/21/2024 6:43:54 AM	MMDadoda	11/21/2024 6:46:13 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY111924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY020338.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:16:52 AM	SAM	11/25/2024 5:45:24 AM	Peak Integrated by Software
VSTDICC005	VY020338.D	Tert butyl alcohol	Romaben	11/20/2024 9:16:52 AM	SAM	11/25/2024 5:45:24 AM	Peak Integrated by Software
VSTDICC010	VY020339.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:16:57 AM	MMDadoda	11/20/2024 1:00:48 PM	Peak Integrated by Software
VSTDICC020	VY020340.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:07 AM	MMDadoda	11/20/2024 1:00:52 PM	Peak Integrated by Software
VSTDICCC050	VY020341.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:18:09 AM	MMDadoda	11/20/2024 1:00:53 PM	Peak Integrated by Software
VSTDICC100	VY020342.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:14 AM	MMDadoda	11/20/2024 1:00:55 PM	Peak Integrated by Software
VSTDICC150	VY020343.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:19 AM	MMDadoda	11/20/2024 1:00:56 PM	Peak Integrated by Software
VSTDICV050	VY020345.D	1,2,3-Trichloropropane	Romaben	11/20/2024 9:17:24 AM	SAM	11/25/2024 5:45:26 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY112124	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020373.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:06:56 AM	MMDadoda	11/22/2024 3:31:17 PM	Peak Integrated by Software
VY1121SBS01	VY020375.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:07:00 AM	MMDadoda	11/22/2024 3:31:16 PM	Peak Integrated by Software
VY1121SBSD01	VY020376.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:07:03 AM	MMDadoda	11/22/2024 3:31:18 PM	Peak Integrated by Software
VSTDCCC050	VY020399.D	1,2,3-Trichloropropane	Romaben	11/22/2024 11:11:47 AM	MMDadoda	11/22/2024 3:31:21 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY112224	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020401.D	1,2,3-Trichloropropane	MMDadoda	11/25/2024 2:01:34 PM	SAM	11/25/2024 2:05:36 PM	Peak Integrated by Software
VY1122SBS02	VY020404.D	1,2,3-Trichloropropane	MMDadoda	11/26/2024 3:33:33 AM	SAM	11/26/2024 3:34:04 AM	Peak Integrated by Software
VSTDCCC050	VY020421.D	1,2,3-Trichloropropane	MMDadoda	11/25/2024 2:01:43 PM	SAM	11/25/2024 2:05:43 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084959.D	20 Nov 2024 09:51	JC\MD	Ok
2	VSTDCCC050	VN084960.D	20 Nov 2024 11:18	JC\MD	Ok,M
3	VN1120MBL01	VN084961.D	20 Nov 2024 11:57	JC\MD	Not Ok
4	VN1120WBL01	VN084962.D	20 Nov 2024 12:21	JC\MD	Ok
5	VN1120WBS01	VN084963.D	20 Nov 2024 12:45	JC\MD	Not Ok
6	VN1120WBS02	VN084964.D	20 Nov 2024 13:20	JC\MD	Ok,M
7	P4864-01	VN084965.D	20 Nov 2024 13:44	JC\MD	Ok
8	PB165108TB	VN084966.D	20 Nov 2024 14:08	JC\MD	Ok
9	PB165122TB	VN084967.D	20 Nov 2024 14:33	JC\MD	Ok
10	P4770-01	VN084968.D	20 Nov 2024 14:57	JC\MD	Not Ok
11	P4845-12	VN084969.D	20 Nov 2024 15:21	JC\MD	Ok
12	VN1120WBSD02	VN084970.D	20 Nov 2024 15:45	JC\MD	Not Ok
13	P4893-04	VN084971.D	20 Nov 2024 16:09	JC\MD	Ok
14	P4893-08	VN084972.D	20 Nov 2024 16:34	JC\MD	Ok
15	P4910-04	VN084973.D	20 Nov 2024 16:58	JC\MD	Ok,M
16	P4910-08	VN084974.D	20 Nov 2024 17:22	JC\MD	Ok,M
17	P4916-04	VN084975.D	20 Nov 2024 17:46	JC\MD	Ok,M
18	P4916-08	VN084976.D	20 Nov 2024 18:10	JC\MD	Ok,M
19	P4916-12	VN084977.D	20 Nov 2024 18:34	JC\MD	Ok,M
20	P4924-04	VN084978.D	20 Nov 2024 18:58	JC\MD	Ok,M
21	P4925-04	VN084979.D	20 Nov 2024 19:22	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4925-08	VN084980.D	20 Nov 2024 19:46	JC\MD	Ok,M
23	P4921-01	VN084981.D	20 Nov 2024 20:10	JC\MD	Not Ok
24	VN1120WBSD02	VN084982.D	20 Nov 2024 20:34	JC\MD	Ok,M
25	P4770-01	VN084983.D	20 Nov 2024 20:58	JC\MD	Ok
26	P4892-04	VN084984.D	20 Nov 2024 21:22	JC\MD	Ok
27	VSTDCCC050	VN084985.D	20 Nov 2024 21:46	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111924

Review By	Mahesh Dadoda	Review On	11/20/2024 1:01:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/20/2024 1:03:18 PM		
SubDirectory	VY111924	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131638
Initial Calibration Stds	VP131639,VP131640,VP131641,VP131642,VP131643,VP131644
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP131645
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY020337.D	19 Nov 2024 14:40	SY/MD	Ok
2	VSTDICC005	VY020338.D	19 Nov 2024 15:49	SY/MD	Ok,M
3	VSTDICC010	VY020339.D	19 Nov 2024 16:12	SY/MD	Ok,M
4	VSTDICC020	VY020340.D	19 Nov 2024 16:35	SY/MD	Ok,M
5	VSTDICCC050	VY020341.D	19 Nov 2024 16:57	SY/MD	Ok,M
6	VSTDICC100	VY020342.D	19 Nov 2024 17:20	SY/MD	Ok,M
7	VSTDICC150	VY020343.D	19 Nov 2024 17:42	SY/MD	Ok,M
8	VIBLK	VY020344.D	19 Nov 2024 18:06	SY/MD	Ok
9	VSTDICV050	VY020345.D	19 Nov 2024 18:52	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
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	VY020372.D	21 Nov 2024 08:32	SY/MD	Ok
2	VSTDCCC050	VY020373.D	21 Nov 2024 09:25	SY/MD	Ok,M
3	VY1121SBL01	VY020374.D	21 Nov 2024 09:59	SY/MD	Ok
4	VY1121SBS01	VY020375.D	21 Nov 2024 10:39	SY/MD	Ok,M
5	VY1121SBSD01	VY020376.D	21 Nov 2024 11:02	SY/MD	Ok,M
6	P4852-01	VY020377.D	21 Nov 2024 11:25	SY/MD	Ok
7	P4852-02RE	VY020378.D	21 Nov 2024 11:49	SY/MD	Confirms
8	P4852-03	VY020379.D	21 Nov 2024 12:12	SY/MD	Ok
9	P4908-03	VY020380.D	21 Nov 2024 12:36	SY/MD	Ok
10	P4909-02	VY020381.D	21 Nov 2024 12:59	SY/MD	Ok
11	P4929-01RE	VY020382.D	21 Nov 2024 13:23	SY/MD	Confirms
12	P4910-07	VY020383.D	21 Nov 2024 13:46	SY/MD	Ok
13	P4910-03	VY020384.D	21 Nov 2024 14:09	SY/MD	Ok
14	P4870-03	VY020385.D	21 Nov 2024 14:33	SY/MD	Ok
15	P4870-06	VY020386.D	21 Nov 2024 14:56	SY/MD	Ok
16	P4870-12	VY020387.D	21 Nov 2024 15:20	SY/MD	Ok
17	P4892-02	VY020388.D	21 Nov 2024 15:43	SY/MD	ReRun
18	P4860-10	VY020389.D	21 Nov 2024 16:06	SY/MD	Ok
19	P4860-09	VY020390.D	21 Nov 2024 16:30	SY/MD	Ok
20	P4925-03	VY020391.D	21 Nov 2024 16:53	SY/MD	Ok
21	P4893-03	VY020392.D	21 Nov 2024 17:17	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4893-07	VY020393.D	21 Nov 2024 17:40	SY/MD	Ok
23	P4925-07	VY020394.D	21 Nov 2024 18:04	SY/MD	Ok
24	P4892-01	VY020395.D	21 Nov 2024 18:27	SY/MD	Ok
25	P4938-07	VY020396.D	21 Nov 2024 18:50	SY/MD	Ok
26	P4938-03	VY020397.D	21 Nov 2024 19:14	SY/MD	Ok
27	P4936-01	VY020398.D	21 Nov 2024 19:37	SY/MD	ReRun
28	VSTDCCC050	VY020399.D	21 Nov 2024 20:00	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112224

Review By	Mahesh Dadoda	Review On	11/25/2024 2:01:45 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/25/2024 2:05:55 PM		
SubDirectory	VY112224	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131732
Initial Calibration Stds	
CCC	VP131733,VP131734
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	VY020400.D	22 Nov 2024 08:56	SY/MD	Ok
2	VSTDCCC050	VY020401.D	22 Nov 2024 09:40	SY/MD	Ok,M
3	VY1122SBL01	VY020402.D	22 Nov 2024 10:15	SY/MD	Ok
4	VY1122SBS01	VY020403.D	22 Nov 2024 10:42	SY/MD	Not Ok
5	VY1122SBS02	VY020404.D	22 Nov 2024 11:04	SY/MD	Ok,M
6	P4936-01RE	VY020405.D	22 Nov 2024 11:38	SY/MD	Confirms
7	P4892-02	VY020406.D	22 Nov 2024 12:01	SY/MD	Ok
8	P4954-03	VY020407.D	22 Nov 2024 12:53	SY/MD	ReRun
9	P4948-03	VY020408.D	22 Nov 2024 13:16	SY/MD	ReRun
10	P4948-01	VY020409.D	22 Nov 2024 13:39	SY/MD	Ok
11	P4951-02	VY020410.D	22 Nov 2024 14:03	SY/MD	ReRun
12	P4954-01	VY020411.D	22 Nov 2024 14:26	SY/MD	ReRun
13	P4946-02	VY020412.D	22 Nov 2024 14:50	SY/MD	ReRun
14	P4946-01	VY020413.D	22 Nov 2024 15:13	SY/MD	Ok
15	P4960-01	VY020414.D	22 Nov 2024 15:36	SY/MD	Ok
16	P4960-02	VY020415.D	22 Nov 2024 16:00	SY/MD	Ok
17	P4960-03	VY020416.D	22 Nov 2024 16:23	SY/MD	Not Ok
18	P4960-04	VY020417.D	22 Nov 2024 16:47	SY/MD	Not Ok
19	P4960-05	VY020418.D	22 Nov 2024 17:10	SY/MD	Not Ok
20	P4960-06	VY020419.D	22 Nov 2024 17:33	SY/MD	Not Ok
21	VIBLK	VY020420.D	22 Nov 2024 17:57	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112224

Review By	Mahesh Dadoda	Review On	11/25/2024 2:01:45 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/25/2024 2:05:55 PM		
SubDirectory	VY112224	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131732
Initial Calibration Stds	
CCC	VP131733,VP131734
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY020421.D	22 Nov 2024 18:20	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084959.D	20 Nov 2024 09:51		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084960.D	20 Nov 2024 11:18		JC\MD	Ok,M
3	VN1120MBL01	VN1120MBL01	VN084961.D	20 Nov 2024 11:57	not needed	JC\MD	Not Ok
4	VN1120WBL01	VN1120WBL01	VN084962.D	20 Nov 2024 12:21		JC\MD	Ok
5	VN1120WBS01	VN1120WBS01	VN084963.D	20 Nov 2024 12:45	recovery low	JC\MD	Not Ok
6	VN1120WBS02	VN1120WBS02	VN084964.D	20 Nov 2024 13:20		JC\MD	Ok,M
7	P4864-01	MONTCLAIR-TOTE-2	VN084965.D	20 Nov 2024 13:44	vial A pH<2	JC\MD	Ok
8	PB165108TB	PB165108TB	VN084966.D	20 Nov 2024 14:08		JC\MD	Ok
9	PB165122TB	PB165122TB	VN084967.D	20 Nov 2024 14:33		JC\MD	Ok
10	P4770-01	MW-1	VN084968.D	20 Nov 2024 14:57	Not Required	JC\MD	Not Ok
11	P4845-12	FSND-MW-31-2024111	VN084969.D	20 Nov 2024 15:21	vial B pH<2	JC\MD	Ok
12	VN1120WBSD02	VN1120WBSD02	VN084970.D	20 Nov 2024 15:45	Recovery fail	JC\MD	Not Ok
13	P4893-04	MH-763	VN084971.D	20 Nov 2024 16:09	vial A pH#5.0	JC\MD	Ok
14	P4893-08	MH-762	VN084972.D	20 Nov 2024 16:34	vial A pH#5.0	JC\MD	Ok
15	P4910-04	MH-COTTAGE	VN084973.D	20 Nov 2024 16:58	vial A pH#5.0	JC\MD	Ok,M
16	P4910-08	MH-759	VN084974.D	20 Nov 2024 17:22	vial A pH#5.0	JC\MD	Ok,M
17	P4916-04	TP-1-WC	VN084975.D	20 Nov 2024 17:46	vial A pH#5.0	JC\MD	Ok,M
18	P4916-08	TP-2-WC	VN084976.D	20 Nov 2024 18:10	vial A pH#5.0	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN112024

Review By	Semsettin Yesilyurt	Review On	11/21/2024 6:44:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/21/2024 6:46:29 AM		
SubDirectory	VN112024	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131654
Initial Calibration Stds	
CCC	VP131655,VP131656
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4916-12	TP-3-WC	VN084977.D	20 Nov 2024 18:34	vial A pH#5.0	JC\MD	Ok,M
20	P4924-04	MH-4	VN084978.D	20 Nov 2024 18:58	vial A pH#5.0	JC\MD	Ok,M
21	P4925-04	MH-741	VN084979.D	20 Nov 2024 19:22	vial A pH#5.0	JC\MD	Ok,M
22	P4925-08	MH-741	VN084980.D	20 Nov 2024 19:46	vial A pH#5.0	JC\MD	Ok,M
23	P4921-01	WC-11-A-202411	VN084981.D	20 Nov 2024 20:10	vial A pH#5.0 need straight run	JC\MD	Not Ok
24	VN1120WBSD02	VN1120WBSD02	VN084982.D	20 Nov 2024 20:34		JC\MD	Ok,M
25	P4770-01	MW-1	VN084983.D	20 Nov 2024 20:58	vial B pH<2	JC\MD	Ok
26	P4892-04	WB-310-SW	VN084984.D	20 Nov 2024 21:22	vial A pH<2	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN084985.D	20 Nov 2024 21:46		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY111924

Review By	Mahesh Dadoda	Review On	11/20/2024 1:01:03 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/20/2024 1:03:18 PM		
SubDirectory	VY111924	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131638
Initial Calibration Stds	VP131639,VP131640,VP131641,VP131642,VP131643,VP131644
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP131645
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY020337.D	19 Nov 2024 14:40		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY020338.D	19 Nov 2024 15:49		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY020339.D	19 Nov 2024 16:12		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY020340.D	19 Nov 2024 16:35		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY020341.D	19 Nov 2024 16:57	Comp.#3 is on Linear Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY020342.D	19 Nov 2024 17:20	Comp.#11 is on Quadratic Regression	SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY020343.D	19 Nov 2024 17:42		SY/MD	Ok,M
8	VIBLK	VIBLK	VY020344.D	19 Nov 2024 18:06		SY/MD	Ok
9	VSTDICV050	ICVVY111924	VY020345.D	19 Nov 2024 18:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
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	VY020372.D	21 Nov 2024 08:32		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020373.D	21 Nov 2024 09:25		SY/MD	Ok,M
3	VY1121SBL01	VY1121SBL01	VY020374.D	21 Nov 2024 09:59		SY/MD	Ok
4	VY1121SBS01	VY1121SBS01	VY020375.D	21 Nov 2024 10:39		SY/MD	Ok,M
5	VY1121SBSD01	VY1121SBSD01	VY020376.D	21 Nov 2024 11:02		SY/MD	Ok,M
6	P4852-01	COMP-1	VY020377.D	21 Nov 2024 11:25	vial-B	SY/MD	Ok
7	P4852-02RE	COMP-2RE	VY020378.D	21 Nov 2024 11:49	ISTD Fail vial-B	SY/MD	Confirms
8	P4852-03	COMP-3	VY020379.D	21 Nov 2024 12:12	vial-B	SY/MD	Ok
9	P4908-03	SP-2	VY020380.D	21 Nov 2024 12:36	Vial-B	SY/MD	Ok
10	P4909-02	BU-02-111824	VY020381.D	21 Nov 2024 12:59	Vial-B	SY/MD	Ok
11	P4929-01RE	ARS520RE	VY020382.D	21 Nov 2024 13:23	Internal Standard Fail vial-B	SY/MD	Confirms
12	P4910-07	MH-759-VOC	VY020383.D	21 Nov 2024 13:46	vial-B	SY/MD	Ok
13	P4910-03	MH-COTTAGE-VOC	VY020384.D	21 Nov 2024 14:09	vial-B	SY/MD	Ok
14	P4870-03	TP-1-VOC	VY020385.D	21 Nov 2024 14:33	vial-B	SY/MD	Ok
15	P4870-06	MH-735-VOC	VY020386.D	21 Nov 2024 14:56	vial-B	SY/MD	Ok
16	P4870-12	TP-15-VOC	VY020387.D	21 Nov 2024 15:20	vial-B	SY/MD	Ok
17	P4892-02	WB-310-BOT	VY020388.D	21 Nov 2024 15:43	Internal Standard Fail vial-A	SY/MD	ReRun
18	P4860-10	PH2-BOT-005	VY020389.D	21 Nov 2024 16:06	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112124

Review By	Mahesh Dadoda	Review On	11/22/2024 3:31:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/22/2024 3:36:07 PM		
SubDirectory	VY112124	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131692
Initial Calibration Stds	
CCC	VP131693,VP131694
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4860-09	PH2-BOT-006	VY020390.D	21 Nov 2024 16:30	vial-A	SY/MD	Ok
20	P4925-03	MH-741-VOC	VY020391.D	21 Nov 2024 16:53	vial-A	SY/MD	Ok
21	P4893-03	MH-763-VOC	VY020392.D	21 Nov 2024 17:17	vial-A	SY/MD	Ok
22	P4893-07	MH-762-VOC	VY020393.D	21 Nov 2024 17:40	vial-A	SY/MD	Ok
23	P4925-07	MH-758-VOC	VY020394.D	21 Nov 2024 18:04	vial-A	SY/MD	Ok
24	P4892-01	WB-310-TOP	VY020395.D	21 Nov 2024 18:27	vial-A	SY/MD	Ok
25	P4938-07	MH-734-VOC	VY020396.D	21 Nov 2024 18:50	vial-A	SY/MD	Ok
26	P4938-03	MH-732-VOC	VY020397.D	21 Nov 2024 19:14	vial-A	SY/MD	Ok
27	P4936-01	PL-01-11202024	VY020398.D	21 Nov 2024 19:37	Internal Standard Fail vial-A	SY/MD	ReRun
28	VSTDCCC050	VSTDCCC050EC	VY020399.D	21 Nov 2024 20:00		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112224

Review By	Mahesh Dadoda	Review On	11/25/2024 2:01:45 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/25/2024 2:05:55 PM		
SubDirectory	VY112224	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131732
Initial Calibration Stds	
CCC	VP131733,VP131734
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	VY020400.D	22 Nov 2024 08:56		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020401.D	22 Nov 2024 09:40		SY/MD	Ok,M
3	VY1122SBL01	VY1122SBL01	VY020402.D	22 Nov 2024 10:15		SY/MD	Ok
4	VY1122SBS01	VY1122SBS01	VY020403.D	22 Nov 2024 10:42	BS failed low	SY/MD	Not Ok
5	VY1122SBS02	VY1122SBS02	VY020404.D	22 Nov 2024 11:04		SY/MD	Ok,M
6	P4936-01RE	PL-01-11202024RE	VY020405.D	22 Nov 2024 11:38	vial-B ISTD Fail	SY/MD	Confirms
7	P4892-02	WB-310-BOT	VY020406.D	22 Nov 2024 12:01	vial-B BS failed low for comp. #3,28	SY/MD	Ok
8	P4954-03	TR-06-112124	VY020407.D	22 Nov 2024 12:53	vial-A BS failed low for comp. #3,28; Internal Standard Fail	SY/MD	ReRun
9	P4948-03	72-11944	VY020408.D	22 Nov 2024 13:16	vial-A	SY/MD	ReRun
10	P4948-01	337	VY020409.D	22 Nov 2024 13:39	vial-A	SY/MD	Ok
11	P4951-02	AU-05-112124	VY020410.D	22 Nov 2024 14:03	vial-A BS failed low for comp. #3,28; Internal Standard Fail	SY/MD	ReRun
12	P4954-01	TR-05-112124	VY020411.D	22 Nov 2024 14:26	vial-A BS failed low for comp. #3,28; Internal Standard Fail	SY/MD	ReRun
13	P4946-02	BW-2	VY020412.D	22 Nov 2024 14:50	vial-A Internal Standard Fail	SY/MD	ReRun
14	P4946-01	BW-1	VY020413.D	22 Nov 2024 15:13	vial-A	SY/MD	Ok
15	P4960-01	B1	VY020414.D	22 Nov 2024 15:36	vial-A	SY/MD	Ok
16	P4960-02	B2	VY020415.D	22 Nov 2024 16:00	vial-A	SY/MD	Ok
17	P4960-03	SW1	VY020416.D	22 Nov 2024 16:23	vial-A NOT PURGE	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112224

Review By	Mahesh Dadoda	Review On	11/25/2024 2:01:45 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/25/2024 2:05:55 PM		
SubDirectory	VY112224	HP Acquire Method		HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131732
Initial Calibration Stds	
CCC	VP131733,VP131734
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P4960-04	SW2	VY020417.D	22 Nov 2024 16:47	vial-A NOT PURGE	SY/MD	Not Ok
19	P4960-05	SW3	VY020418.D	22 Nov 2024 17:10	vial-A NOT PURGE	SY/MD	Not Ok
20	P4960-06	SW4	VY020419.D	22 Nov 2024 17:33	vial-A NOT PURGE	SY/MD	Not Ok
21	VIBLK	VIBLK	VY020420.D	22 Nov 2024 17:57		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VY020421.D	22 Nov 2024 18:20		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4892	**OrderDate:**	11/18/2024 8:10:00 AM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2024
Contact:	Joseph Krupansky	**Location:**	M11,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4892-01	**WB-310-TOP**	**SOIL**			**11/15/24**			**11/15/24**
			VOC-TCLVOA-10	8260D			11/21/24	
P4892-02	**WB-310-BOT**	**SOIL**			**11/15/24**			**11/15/24**
			VOC-TCLVOA-10	8260D			11/22/24	
P4892-03	**WB-310-BOT**	**TCLP**			**11/15/24**			**11/15/24**
			TCLP VOA	8260D			11/21/24	
P4892-04	**WB-310-SW**	**Water**			**11/15/24**			**11/15/24**
			VOC-TCLVOA-10	8260-Low			11/20/24	