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

Hit Summary Sheet
SW-846

SDG No.: P4860

Client: Tetra Tech

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**PH2-BOT-001**							
P4860-02	PH2-BOT-001	SOIL	Methyl Acetate	4.00		1.40	4.00	ug/Kg
			Total Voc :	4.00				
			Total Concentration:	4.00				

SAMPLE DATA

Raw Data: **VD080072.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080072.D	1		11/18/24 16:39	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.96	U	0.96	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.20	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.20	ug/Kg
75-00-3	Chloroethane	0.84	U	0.84	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.65	U	0.65	4.20	ug/Kg
67-64-1	Acetone	5.20	U	5.20	20.8	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.52	U	0.52	4.20	ug/Kg
110-82-7	Cyclohexane	0.57	U	0.57	4.20	ug/Kg
78-93-3	2-Butanone	4.70	U	4.70	20.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.56	U	0.56	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.65	U	0.65	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.72	U	0.72	4.20	ug/Kg
71-43-2	Benzene	0.60	U	0.60	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.62	U	0.62	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.55	U	0.55	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.8	ug/Kg
108-88-3	Toluene	0.56	U	0.56	4.20	ug/Kg

Raw Data: **VD080072.D**

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080072.D	1		11/18/24 16:39	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	4.20	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	20.8	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	0.54	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	4.20	ug/Kg
108-90-7	Chlorobenzene	0.61	U	0.61	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.30	ug/Kg
95-47-6	o-Xylene	0.58	U	0.58	4.20	ug/Kg
100-42-5	Styrene	0.50	U	0.50	4.20	ug/Kg
75-25-2	Bromoform	0.67	U	0.67	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.56	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.61	U	0.61	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.66	U	0.66	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.66	U	0.66	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.65	U	0.65	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.1		70 (50) - 130 (163)	84%	SPK: 50
1868-53-7	Dibromofluoromethane	44.0		70 (54) - 130 (147)	88%	SPK: 50
2037-26-5	Toluene-d8	40.2		70 (58) - 130 (134)	80%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.3		70 (29) - 130 (146)	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	213000	7.875			
540-36-3	1,4-Difluorobenzene	351000	8.775			
3114-55-4	Chlorobenzene-d5	340000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	DUP-01	SDG No.:	P4860
Lab Sample ID:	P4860-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.22 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080072.D	1		11/18/24 16:39	VD111824

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: **VD080073.D**

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

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080073.D	1		11/18/24 17:06	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.00	ug/Kg
74-87-3	Chloromethane	0.93	U	0.93	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.62	U	0.62	4.00	ug/Kg
74-83-9	Bromomethane	0.83	U	0.83	4.00	ug/Kg
75-00-3	Chloroethane	0.81	U	0.81	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U	0.73	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.63	U	0.63	4.00	ug/Kg
67-64-1	Acetone	5.00	U	5.00	20.1	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	4.00	ug/Kg
79-20-9	Methyl Acetate	4.00		1.40	4.00	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	8.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.67	U	0.67	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.51	U	0.51	4.00	ug/Kg
110-82-7	Cyclohexane	0.55	U	0.55	4.00	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.70	U	0.70	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.49	U	0.49	4.00	ug/Kg
74-97-5	Bromochloromethane	1.90	U	1.90	4.00	ug/Kg
67-66-3	Chloroform	0.54	U	0.54	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.70	U	0.70	4.00	ug/Kg
71-43-2	Benzene	0.58	U	0.58	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.49	U	0.49	4.00	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.53	U	0.53	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.45	U	0.45	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	20.1	ug/Kg
108-88-3	Toluene	0.54	U	0.54	4.00	ug/Kg

Raw Data: **VD080073.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080073.D	1		11/18/24 17:06	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.67	U	0.67	4.00	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	20.1	ug/Kg
124-48-1	Dibromochloromethane	0.52	U	0.52	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.63	U	0.63	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	0.71	4.00	ug/Kg
108-90-7	Chlorobenzene	0.59	U	0.59	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.00	ug/Kg
95-47-6	o-Xylene	0.56	U	0.56	4.00	ug/Kg
100-42-5	Styrene	0.48	U	0.48	4.00	ug/Kg
75-25-2	Bromoform	0.65	U	0.65	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.54	U	0.54	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.59	U	0.59	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.64	U	0.64	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.47	U	0.47	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.63	U	0.63	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.63	U	0.63	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.2		70 (50) - 130 (163)	86%	SPK: 50
1868-53-7	Dibromofluoromethane	42.1		70 (54) - 130 (147)	84%	SPK: 50
2037-26-5	Toluene-d8	39.5		70 (58) - 130 (134)	79%	SPK: 50
460-00-4	4-Bromofluorobenzene	35.7		70 (29) - 130 (146)	71%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	219000	7.875			
540-36-3	1,4-Difluorobenzene	366000	8.775			
3114-55-4	Chlorobenzene-d5	329000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-001	SDG No.:	P4860
Lab Sample ID:	P4860-02	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.44 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080073.D	1		11/18/24 17:06	VD111824

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: **VY020368.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.6
Sample Wt/Vol:	6.2 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
VY020368.D	1		11/20/24 18:35	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.97	U	0.97	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.20	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.20	ug/Kg
75-00-3	Chloroethane	0.84	U	0.84	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.65	U	0.65	4.20	ug/Kg
67-64-1	Acetone	5.20	U	5.20	20.9	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.53	U	0.53	4.20	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	4.20	ug/Kg
78-93-3	2-Butanone	4.70	U	4.70	20.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.56	U	0.56	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.65	U	0.65	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.73	U	0.73	4.20	ug/Kg
71-43-2	Benzene	0.60	U	0.60	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.63	U	0.63	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.55	U	0.55	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.9	ug/Kg
108-88-3	Toluene	0.56	U	0.56	4.20	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.6
Sample Wt/Vol:	6.2 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
VY020368.D	1		11/20/24 18:35	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.48	U	0.48	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	4.20	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	20.9	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	0.54	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	4.20	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.30	ug/Kg
95-47-6	o-Xylene	0.58	U	0.58	4.20	ug/Kg
100-42-5	Styrene	0.50	U	0.50	4.20	ug/Kg
75-25-2	Bromoform	0.68	U	0.68	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.56	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.62	U	0.62	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.67	U	0.67	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.66	U	0.66	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.65	U	0.65	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		70 (50) - 130 (163)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (58) - 130 (134)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (29) - 130 (146)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	138000	7.713			
540-36-3	1,4-Difluorobenzene	270000	8.616			
3114-55-4	Chlorobenzene-d5	257000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.347			

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

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-002	SDG No.:	P4860
Lab Sample ID:	P4860-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.6
Sample Wt/Vol:	6.2 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
VY020368.D	1		11/20/24 18:35	VY112024

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: **VD080075.D**

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

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.8
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080075.D	1		11/18/24 18:00	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.10	ug/Kg
74-87-3	Chloromethane	0.94	U	0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.10	ug/Kg
74-83-9	Bromomethane	0.84	U	0.84	4.10	ug/Kg
75-00-3	Chloroethane	0.82	U	0.82	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.63	U	0.63	4.10	ug/Kg
67-64-1	Acetone	5.10	U	5.10	20.4	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	4.10	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.10	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.68	U	0.68	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.51	U	0.51	4.10	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	4.10	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	4.10	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.10	ug/Kg
67-66-3	Chloroform	0.55	U	0.55	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.71	U	0.71	4.10	ug/Kg
71-43-2	Benzene	0.59	U	0.59	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.50	U	0.50	4.10	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.54	U	0.54	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.46	U	0.46	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	20.4	ug/Kg
108-88-3	Toluene	0.55	U	0.55	4.10	ug/Kg

Raw Data: **VD080075.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.8
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080075.D	1		11/18/24 18:00	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	4.10	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	20.4	ug/Kg
124-48-1	Dibromochloromethane	0.53	U	0.53	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.72	U	0.72	4.10	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.10	ug/Kg
95-47-6	o-Xylene	0.57	U	0.57	4.10	ug/Kg
100-42-5	Styrene	0.49	U	0.49	4.10	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.55	U	0.55	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.60	U	0.60	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.65	U	0.65	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	0.48	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.64	U	0.64	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.63	U	0.63	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	39.6		70 (50) - 130 (163)	79%	SPK: 50
1868-53-7	Dibromofluoromethane	38.4		70 (54) - 130 (147)	77%	SPK: 50
2037-26-5	Toluene-d8	34.1	*	70 (58) - 130 (134)	68%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.7	*	70 (29) - 130 (146)	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	7.875			
540-36-3	1,4-Difluorobenzene	368000	8.781			
3114-55-4	Chlorobenzene-d5	326000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.516			

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-003	SDG No.:	P4860
Lab Sample ID:	P4860-04	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.8
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080075.D	1		11/18/24 18:00	VD111824

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: **VD080076.D**

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

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.1
Sample Wt/Vol:	6.25 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080076.D	1		11/18/24 18:28	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.10	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.10	ug/Kg
74-83-9	Bromomethane	0.84	U	0.84	4.10	ug/Kg
75-00-3	Chloroethane	0.82	U	0.82	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.64	U	0.64	4.10	ug/Kg
67-64-1	Acetone	5.10	U	5.10	20.4	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	4.10	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.10	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.51	U	0.51	4.10	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	4.10	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	4.10	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.10	ug/Kg
67-66-3	Chloroform	0.55	U	0.55	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.64	U	0.64	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.71	U	0.71	4.10	ug/Kg
71-43-2	Benzene	0.59	U	0.59	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.50	U	0.50	4.10	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.54	U	0.54	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.46	U	0.46	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	20.4	ug/Kg
108-88-3	Toluene	0.55	U	0.55	4.10	ug/Kg

Raw Data: **VD080076.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.1
Sample Wt/Vol:	6.25 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080076.D	1		11/18/24 18:28	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	4.10	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	20.4	ug/Kg
124-48-1	Dibromochloromethane	0.53	U	0.53	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.73	U	0.73	4.10	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.20	ug/Kg
95-47-6	o-Xylene	0.57	U	0.57	4.10	ug/Kg
100-42-5	Styrene	0.49	U	0.49	4.10	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.55	U	0.55	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.60	U	0.60	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.65	U	0.65	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	0.48	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.64	U	0.64	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.64	U	0.64	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	40.7		70 (50) - 130 (163)	81%	SPK: 50
1868-53-7	Dibromofluoromethane	37.8		70 (54) - 130 (147)	76%	SPK: 50
2037-26-5	Toluene-d8	31.8	*	70 (58) - 130 (134)	64%	SPK: 50
460-00-4	4-Bromofluorobenzene	30.6	*	70 (29) - 130 (146)	61%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	7.875			
540-36-3	1,4-Difluorobenzene	364000	8.78			
3114-55-4	Chlorobenzene-d5	324000	11.58			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.516			

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-004	SDG No.:	P4860
Lab Sample ID:	P4860-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.1
Sample Wt/Vol:	6.25 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080076.D	1		11/18/24 18:28	VD111824

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: **VY020369.D**

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

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.3
Sample Wt/Vol:	7.41 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
VY020369.D	1		11/20/24 18:58	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	3.40	ug/Kg
74-87-3	Chloromethane	0.80	U	0.80	3.40	ug/Kg
75-01-4	Vinyl Chloride	0.53	U	0.53	3.40	ug/Kg
74-83-9	Bromomethane	0.71	U	0.71	3.40	ug/Kg
75-00-3	Chloroethane	0.69	U	0.69	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.62	U	0.62	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.73	U	0.73	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.54	U	0.54	3.40	ug/Kg
67-64-1	Acetone	4.30	U	4.30	17.2	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.46	U	0.46	3.40	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.40	ug/Kg
75-09-2	Methylene Chloride	2.30	U	2.30	6.90	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.58	U	0.58	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.43	U	0.43	3.40	ug/Kg
110-82-7	Cyclohexane	0.47	U	0.47	3.40	ug/Kg
78-93-3	2-Butanone	3.90	U	3.90	17.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.60	U	0.60	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.42	U	0.42	3.40	ug/Kg
74-97-5	Bromochloromethane	1.70	U	1.70	3.40	ug/Kg
67-66-3	Chloroform	0.46	U	0.46	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.54	U	0.54	3.40	ug/Kg
108-87-2	Methylcyclohexane	0.60	U	0.60	3.40	ug/Kg
71-43-2	Benzene	0.49	U	0.49	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.42	U	0.42	3.40	ug/Kg
79-01-6	Trichloroethene	0.51	U	0.51	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.45	U	0.45	3.40	ug/Kg
75-27-4	Bromodichloromethane	0.38	U	0.38	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	17.2	ug/Kg
108-88-3	Toluene	0.46	U	0.46	3.40	ug/Kg

Raw Data: **VY020369.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.3
Sample Wt/Vol:	7.41 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
VY020369.D	1		11/20/24 18:58	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.41	U	0.41	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.39	U	0.39	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.58	U	0.58	3.40	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	17.2	ug/Kg
124-48-1	Dibromochloromethane	0.45	U	0.45	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.54	U	0.54	3.40	ug/Kg
127-18-4	Tetrachloroethene	0.61	U	0.61	3.40	ug/Kg
108-90-7	Chlorobenzene	0.51	U	0.51	3.40	ug/Kg
100-41-4	Ethyl Benzene	0.43	U	0.43	3.40	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	6.90	ug/Kg
95-47-6	o-Xylene	0.48	U	0.48	3.40	ug/Kg
100-42-5	Styrene	0.41	U	0.41	3.40	ug/Kg
75-25-2	Bromoform	0.56	U	0.56	3.40	ug/Kg
98-82-8	Isopropylbenzene	0.46	U	0.46	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.76	U	0.76	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.51	U	0.51	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.55	U	0.55	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.40	U	0.40	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.10	U	1.10	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.54	U	0.54	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.54	U	0.54	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.5		70 (50) - 130 (163)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (54) - 130 (147)	96%	SPK: 50
2037-26-5	Toluene-d8	48.1		70 (58) - 130 (134)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (29) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	143000	7.713			
540-36-3	1,4-Difluorobenzene	274000	8.616			
3114-55-4	Chlorobenzene-d5	254000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	99300	13.346			

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-009	SDG No.:	P4860
Lab Sample ID:	P4860-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98.3
Sample Wt/Vol:	7.41 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
VY020369.D	1		11/20/24 18:58	VY112024

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: **VD080078.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080078.D	1		11/18/24 19:22	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.20	ug/Kg
74-87-3	Chloromethane	0.97	U	0.97	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.64	U	0.64	4.20	ug/Kg
74-83-9	Bromomethane	0.86	U	0.86	4.20	ug/Kg
75-00-3	Chloroethane	0.84	U	0.84	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.76	U	0.76	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.65	U	0.65	4.20	ug/Kg
67-64-1	Acetone	5.20	U	5.20	20.8	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	4.20	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.20	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.70	U	0.70	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.52	U	0.52	4.20	ug/Kg
110-82-7	Cyclohexane	0.57	U	0.57	4.20	ug/Kg
78-93-3	2-Butanone	4.70	U	4.70	20.8	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	4.20	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.20	ug/Kg
67-66-3	Chloroform	0.56	U	0.56	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.65	U	0.65	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.72	U	0.72	4.20	ug/Kg
71-43-2	Benzene	0.60	U	0.60	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.51	U	0.51	4.20	ug/Kg
79-01-6	Trichloroethene	0.62	U	0.62	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.55	U	0.55	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.47	U	0.47	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.8	ug/Kg
108-88-3	Toluene	0.56	U	0.56	4.20	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080078.D	1		11/18/24 19:22	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	4.20	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	20.8	ug/Kg
124-48-1	Dibromochloromethane	0.54	U	0.54	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.74	U	0.74	4.20	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	4.20	ug/Kg
100-41-4	Ethyl Benzene	0.52	U	0.52	4.20	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.30	ug/Kg
95-47-6	o-Xylene	0.58	U	0.58	4.20	ug/Kg
100-42-5	Styrene	0.50	U	0.50	4.20	ug/Kg
75-25-2	Bromoform	0.67	U	0.67	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.56	U	0.56	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.62	U	0.62	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.67	U	0.67	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.49	U	0.49	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.66	U	0.66	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.65	U	0.65	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.5		70 (50) - 130 (163)	89%	SPK: 50
1868-53-7	Dibromofluoromethane	46.0		70 (54) - 130 (147)	92%	SPK: 50
2037-26-5	Toluene-d8	41.8		70 (58) - 130 (134)	84%	SPK: 50
460-00-4	4-Bromofluorobenzene	36.3		70 (29) - 130 (146)	73%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.875			
540-36-3	1,4-Difluorobenzene	360000	8.775			
3114-55-4	Chlorobenzene-d5	321000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.516			

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-008	SDG No.:	P4860
Lab Sample ID:	P4860-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	96.8
Sample Wt/Vol:	6.2 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080078.D	1		11/18/24 19:22	VD111824

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:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	6.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080079.D	1		11/18/24 19:49	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.00	ug/Kg
74-87-3	Chloromethane	0.93	U	0.93	4.00	ug/Kg
75-01-4	Vinyl Chloride	0.62	U	0.62	4.00	ug/Kg
74-83-9	Bromomethane	0.83	U	0.83	4.00	ug/Kg
75-00-3	Chloroethane	0.81	U	0.81	4.00	ug/Kg
75-69-4	Trichlorofluoromethane	0.73	U	0.73	4.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.86	U	0.86	4.00	ug/Kg
75-35-4	1,1-Dichloroethene	0.63	U	0.63	4.00	ug/Kg
67-64-1	Acetone	5.00	U	5.00	20.2	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	4.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.00	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	8.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.68	U	0.68	4.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.51	U	0.51	4.00	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	4.00	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.70	U	0.70	4.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.49	U	0.49	4.00	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.00	ug/Kg
67-66-3	Chloroform	0.54	U	0.54	4.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	4.00	ug/Kg
108-87-2	Methylcyclohexane	0.70	U	0.70	4.00	ug/Kg
71-43-2	Benzene	0.58	U	0.58	4.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.49	U	0.49	4.00	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	4.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.53	U	0.53	4.00	ug/Kg
75-27-4	Bromodichloromethane	0.45	U	0.45	4.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	20.2	ug/Kg
108-88-3	Toluene	0.54	U	0.54	4.00	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	6.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080079.D	1		11/18/24 19:49	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	4.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	4.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	4.00	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	20.2	ug/Kg
124-48-1	Dibromochloromethane	0.52	U	0.52	4.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	4.00	ug/Kg
127-18-4	Tetrachloroethene	0.72	U	0.72	4.00	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	4.00	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	4.00	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.10	ug/Kg
95-47-6	o-Xylene	0.56	U	0.56	4.00	ug/Kg
100-42-5	Styrene	0.48	U	0.48	4.00	ug/Kg
75-25-2	Bromoform	0.65	U	0.65	4.00	ug/Kg
98-82-8	Isopropylbenzene	0.54	U	0.54	4.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.89	U	0.89	4.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.60	U	0.60	4.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.64	U	0.64	4.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	0.48	4.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.64	U	0.64	4.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.63	U	0.63	4.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		70 (50) - 130 (163)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	49.2		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	45.2		70 (58) - 130 (134)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.1		70 (29) - 130 (146)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	7.875			
540-36-3	1,4-Difluorobenzene	353000	8.781			
3114-55-4	Chlorobenzene-d5	326000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-007	SDG No.:	P4860
Lab Sample ID:	P4860-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	98
Sample Wt/Vol:	6.33 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080079.D	1		11/18/24 19:49	VD111824

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: **VY020390.D**

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.5
Sample Wt/Vol:	6.28 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
VY020390.D	1		11/21/24 16:30	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	4.10	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.63	U	0.63	4.10	ug/Kg
74-83-9	Bromomethane	0.84	U	0.84	4.10	ug/Kg
75-00-3	Chloroethane	0.82	U	0.82	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	0.74	U	0.74	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.87	U	0.87	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.64	U	0.64	4.10	ug/Kg
67-64-1	Acetone	5.10	U	5.10	20.4	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	4.10	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.10	ug/Kg
75-09-2	Methylene Chloride	2.80	U	2.80	8.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.69	U	0.69	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.51	U	0.51	4.10	ug/Kg
110-82-7	Cyclohexane	0.56	U	0.56	4.10	ug/Kg
78-93-3	2-Butanone	4.60	U	4.60	20.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.50	U	0.50	4.10	ug/Kg
74-97-5	Bromochloromethane	2.00	U	2.00	4.10	ug/Kg
67-66-3	Chloroform	0.55	U	0.55	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.64	U	0.64	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.71	U	0.71	4.10	ug/Kg
71-43-2	Benzene	0.59	U	0.59	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.50	U	0.50	4.10	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.54	U	0.54	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.46	U	0.46	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	20.4	ug/Kg
108-88-3	Toluene	0.55	U	0.55	4.10	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.5
Sample Wt/Vol:	6.28 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
VY020390.D	1		11/21/24 16:30	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	4.10	ug/Kg
591-78-6	2-Hexanone	3.90	U	3.90	20.4	ug/Kg
124-48-1	Dibromochloromethane	0.53	U	0.53	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.73	U	0.73	4.10	ug/Kg
108-90-7	Chlorobenzene	0.60	U	0.60	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.20	ug/Kg
95-47-6	o-Xylene	0.57	U	0.57	4.10	ug/Kg
100-42-5	Styrene	0.49	U	0.49	4.10	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.55	U	0.55	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.60	U	0.60	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.65	U	0.65	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.48	U	0.48	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.65	U	0.65	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.64	U	0.64	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		70 (50) - 130 (163)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (54) - 130 (147)	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (58) - 130 (134)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		70 (29) - 130 (146)	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	7.707			
540-36-3	1,4-Difluorobenzene	274000	8.616			
3114-55-4	Chlorobenzene-d5	262000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	106000	13.346			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-006	SDG No.:	P4860
Lab Sample ID:	P4860-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.5
Sample Wt/Vol:	6.28 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
VY020390.D	1		11/21/24 16:30	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

Raw Data: **VY020389.D**

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.6
Sample Wt/Vol:	5.93 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
VY020389.D	1		11/21/24 16:06	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	4.30	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.67	U	0.67	4.30	ug/Kg
74-83-9	Bromomethane	0.89	U	0.89	4.30	ug/Kg
75-00-3	Chloroethane	0.87	U	0.87	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	0.79	U	0.79	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.67	U	0.67	4.30	ug/Kg
67-64-1	Acetone	5.40	U	5.40	21.6	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.58	U	0.58	4.30	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	4.30	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.73	U	0.73	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.54	U	0.54	4.30	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	4.30	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.75	U	0.75	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.53	U	0.53	4.30	ug/Kg
74-97-5	Bromochloromethane	2.10	U	2.10	4.30	ug/Kg
67-66-3	Chloroform	0.58	U	0.58	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.67	U	0.67	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.30	ug/Kg
71-43-2	Benzene	0.62	U	0.62	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.53	U	0.53	4.30	ug/Kg
79-01-6	Trichloroethene	0.65	U	0.65	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.57	U	0.57	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.48	U	0.48	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.80	U	3.80	21.6	ug/Kg
108-88-3	Toluene	0.58	U	0.58	4.30	ug/Kg

Raw Data: **VY020389.D**

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.6
Sample Wt/Vol:	5.93 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
VY020389.D	1		11/21/24 16:06	VY112124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.52	U	0.52	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.49	U	0.49	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.73	U	0.73	4.30	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	21.6	ug/Kg
124-48-1	Dibromochloromethane	0.56	U	0.56	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.68	U	0.68	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	4.30	ug/Kg
108-90-7	Chlorobenzene	0.64	U	0.64	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.54	U	0.54	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	8.60	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	4.30	ug/Kg
100-42-5	Styrene	0.52	U	0.52	4.30	ug/Kg
75-25-2	Bromoform	0.70	U	0.70	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.95	U	0.95	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.64	U	0.64	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.69	U	0.69	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.51	U	0.51	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.68	U	0.68	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.67	U	0.67	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		70 (50) - 130 (163)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (58) - 130 (134)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (29) - 130 (146)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	7.713			
540-36-3	1,4-Difluorobenzene	270000	8.616			
3114-55-4	Chlorobenzene-d5	252000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	102000	13.346			

Raw Data: **VY020389.D**

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Report of Analysis

Client:	Tetra Tech	Date Collected:	11/14/24
Project:	Ocean County Landfill 2024	Date Received:	11/14/24
Client Sample ID:	PH2-BOT-005	SDG No.:	P4860
Lab Sample ID:	P4860-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	97.6
Sample Wt/Vol:	5.93 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
VY020389.D	1		11/21/24 16:06	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

QC SUMMARY

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

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
P4860-01	DUP-01	1,2-Dichloroethane-d4	50	42.1	84		70 (50)	130 (163)
		Dibromofluoromethane	50	44.0	88		70 (54)	130 (147)
		Toluene-d8	50	40.2	80		70 (58)	130 (134)
		4-Bromofluorobenzene	50	37.3	75		70 (29)	130 (146)
P4860-02	PH2-BOT-001	1,2-Dichloroethane-d4	50	43.2	86		70 (50)	130 (163)
		Dibromofluoromethane	50	42.1	84		70 (54)	130 (147)
		Toluene-d8	50	39.5	79		70 (58)	130 (134)
		4-Bromofluorobenzene	50	35.7	71		70 (29)	130 (146)
P4860-03	PH2-BOT-002	1,2-Dichloroethane-d4	50	58.6	117		70 (50)	130 (163)
		Dibromofluoromethane	50	50.1	100		70 (54)	130 (147)
		Toluene-d8	50	49.0	98		70 (58)	130 (134)
		4-Bromofluorobenzene	50	51.8	104		70 (29)	130 (146)
P4860-04	PH2-BOT-003	1,2-Dichloroethane-d4	50	39.6	79		70 (50)	130 (163)
		Dibromofluoromethane	50	38.4	77		70 (54)	130 (147)
		Toluene-d8	50	34.1	68	*	70 (58)	130 (134)
		4-Bromofluorobenzene	50	30.7	61	*	70 (29)	130 (146)
P4860-05	PH2-BOT-004	1,2-Dichloroethane-d4	50	40.7	81		70 (50)	130 (163)
		Dibromofluoromethane	50	37.8	76		70 (54)	130 (147)
		Toluene-d8	50	31.8	64	*	70 (58)	130 (134)
		4-Bromofluorobenzene	50	30.6	61	*	70 (29)	130 (146)
P4860-06	PH2-BOT-009	1,2-Dichloroethane-d4	50	51.5	103		70 (50)	130 (163)
		Dibromofluoromethane	50	48.1	96		70 (54)	130 (147)
		Toluene-d8	50	48.1	96		70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.0	100		70 (29)	130 (146)
P4860-07	PH2-BOT-008	1,2-Dichloroethane-d4	50	44.5	89		70 (50)	130 (163)
		Dibromofluoromethane	50	46.0	92		70 (54)	130 (147)
		Toluene-d8	50	41.9	84		70 (58)	130 (134)
		4-Bromofluorobenzene	50	36.3	73		70 (29)	130 (146)
P4860-08	PH2-BOT-007	1,2-Dichloroethane-d4	50	43.3	87		70 (50)	130 (163)
		Dibromofluoromethane	50	49.2	98		70 (54)	130 (147)
		Toluene-d8	50	45.2	90		70 (58)	130 (134)
		4-Bromofluorobenzene	50	42.1	84		70 (29)	130 (146)
P4860-09	PH2-BOT-006	1,2-Dichloroethane-d4	50	57.4	115		70 (50)	130 (163)
		Dibromofluoromethane	50	50.5	101		70 (54)	130 (147)
		Toluene-d8	50	48.3	97		70 (58)	130 (134)
		4-Bromofluorobenzene	50	52.6	105		70 (29)	130 (146)
P4860-10	PH2-BOT-005	1,2-Dichloroethane-d4	50	52.6	105		70 (50)	130 (163)
		Dibromofluoromethane	50	48.7	97		70 (54)	130 (147)
		Toluene-d8	50	47.9	96		70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.4	101		70 (29)	130 (146)
VD1118SBL01	VD1118SBL01	1,2-Dichloroethane-d4	50	49.5	99		70 (50)	130 (163)
		Dibromofluoromethane	50	48.9	98		70 (54)	130 (147)
		Toluene-d8	50	44.4	89		70 (58)	130 (134)
		4-Bromofluorobenzene	50	41.2	82		70 (29)	130 (146)
VD1118SBS01	VD1118SBS01	1,2-Dichloroethane-d4	50	49.4	99		70 (50)	130 (163)
		Dibromofluoromethane	50	49.8	100		70 (54)	130 (147)
		Toluene-d8	50	51.0	102		70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.4	101		70 (29)	130 (146)
VD1118SBSD01	VD1118SBSD01	1,2-Dichloroethane-d4	50	48.0	96		70 (50)	130 (163)
		Dibromofluoromethane	50	50.2	100		70 (54)	130 (147)

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Surrogate Summary

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VD1118SBSD01	VD1118SBSD01	Toluene-d8	50	50.0	100	70 (58)	130 (134)
		4-Bromofluorobenzene	50	50.4	101	70 (29)	130 (146)
VY1120SBL01	VY1120SBL01	1,2-Dichloroethane-d4	50	53.2	106	70 (50)	130 (163)
		Dibromofluoromethane	50	48.3	97	70 (54)	130 (147)
		Toluene-d8	50	48.1	96	70 (58)	130 (134)
		4-Bromofluorobenzene	50	48.3	97	70 (29)	130 (146)
VY1120SBS01	VY1120SBS01	1,2-Dichloroethane-d4	50	43.3	87	70 (50)	130 (163)
		Dibromofluoromethane	50	41.3	83	70 (54)	130 (147)
		Toluene-d8	50	42.7	85	70 (58)	130 (134)
		4-Bromofluorobenzene	50	44.3	88	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)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VD080060.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD1118SBS01	Dichlorodifluoromethane	20	18.2	ug/Kg	91			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (70)	160 (130)	
	Vinyl chloride	20	20.3	ug/Kg	102			70 (72)	130 (129)	
	Bromomethane	20	21.3	ug/Kg	106			40 (58)	160 (141)	
	Chloroethane	20	22.5	ug/Kg	113			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.3	ug/Kg	106			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.0	ug/Kg	95			70 (79)	130 (121)	
	Acetone	100	96.9	ug/Kg	97			40 (60)	160 (131)	
	Carbon disulfide	20	18.8	ug/Kg	94			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	18.2	ug/Kg	91			70 (77)	130 (129)	
	Methyl Acetate	20	19.2	ug/Kg	96			70 (69)	130 (149)	
	Methylene Chloride	20	19.9	ug/Kg	100			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	18.5	ug/Kg	93			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.0	ug/Kg	95			70 (82)	130 (123)	
	Cyclohexane	20	18.3	ug/Kg	92			70 (76)	130 (122)	
	2-Butanone	100	83.2	ug/Kg	83			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	18.4	ug/Kg	92			70 (82)	130 (123)	
	Bromochloromethane	20	17.9	ug/Kg	90			70 (80)	130 (127)	
	Chloroform	20	20.1	ug/Kg	101			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			70 (80)	130 (126)	
	Methylcyclohexane	20	18.3	ug/Kg	92			70 (77)	130 (123)	
	Benzene	20	19.3	ug/Kg	97			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.3	ug/Kg	102			70 (81)	130 (126)	
	Trichloroethene	20	19.6	ug/Kg	98			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	Bromodichloromethane	20	19.5	ug/Kg	98			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	98.5	ug/Kg	99			40 (70)	160 (135)	
	Toluene	20	19.5	ug/Kg	98			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	18.3	ug/Kg	92			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			70 (82)	130 (125)	
	2-Hexanone	100	92.0	ug/Kg	92			40 (66)	160 (138)	
	Dibromochloromethane	20	20.9	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.9	ug/Kg	104			70 (80)	130 (125)	
	Tetrachloroethene	20	21.2	ug/Kg	106			70 (83)	130 (125)	
	Chlorobenzene	20	19.7	ug/Kg	99			70 (84)	130 (122)	
	Ethyl Benzene	20	18.5	ug/Kg	93			70 (82)	130 (124)	
	m/p-Xylenes	40	38.7	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.7	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	19.2	ug/Kg	96			70 (82)	130 (124)	
	Bromoform	20	20.2	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	18.5	ug/Kg	93			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VD080060.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD1118SBS01	1,2-Dibromo-3-Chloropropane	20	18.7	ug/Kg	94			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	20.4	ug/Kg	102			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.5	ug/Kg	103			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VD080061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD1118SBSD01	Dichlorodifluoromethane	20	18.6	ug/Kg	93	2		40 (64)	160 (136)	30 (20)
	Chloromethane	20	17.2	ug/Kg	86	14		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	17.9	ug/Kg	90	13		70 (72)	130 (129)	30 (20)
	Bromomethane	20	17.1	ug/Kg	86	21		40 (58)	160 (141)	30 (20)
	Chloroethane	20	17.5	ug/Kg	88	25		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.7	ug/Kg	99	7		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105	2		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.1	ug/Kg	101	6		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	13		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.7	ug/Kg	99	5		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	20.9	ug/Kg	104	13		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	21.7	ug/Kg	109	13		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	21.4	ug/Kg	107	7		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101	8		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.2	ug/Kg	101	6		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.0	ug/Kg	95	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	19		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	21.5	ug/Kg	108	9		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102	10		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	18.2	ug/Kg	91	1		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.0	ug/Kg	105	4		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103	1		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.6	ug/Kg	98	6		70 (77)	130 (123)	30 (20)
	Benzene	20	20.8	ug/Kg	104	7		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	22.1	ug/Kg	111	8		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.5	ug/Kg	103	5		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	21.1	ug/Kg	106	6		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.6	ug/Kg	108	10		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	11		40 (70)	160 (135)	30 (20)
	Toluene	20	21.3	ug/Kg	106	8		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.9	ug/Kg	104	12		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	21.9	ug/Kg	110	13		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	22.6	ug/Kg	113	10		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	18		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	23.4	ug/Kg	117	12		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	22.4	ug/Kg	112	7		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.5	ug/Kg	103	3		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.3	ug/Kg	102	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.3	ug/Kg	97	4		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	39.5	ug/Kg	99	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.7	ug/Kg	99	0		70 (83)	130 (123)	30 (20)
	Styrene	20	20.5	ug/Kg	103	7		70 (82)	130 (124)	30 (20)
	Bromoform	20	21.6	ug/Kg	108	7		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.9	ug/Kg	100	7		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	21.9	ug/Kg	110	10		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.6	ug/Kg	103	5		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103	5		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.9	ug/Kg	104	7		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VD080061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD1118SBSD01	1,2-Dibromo-3-Chloropropane	20	22.6	ug/Kg	113	18		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99	3		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.8	ug/Kg	104	1		70 (70)	130 (137)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VY020349.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1120SBS01	Dichlorodifluoromethane	20	21.8	ug/Kg	109			40 (64)	160 (136)	
	Chloromethane	20	14.5	ug/Kg	73			40 (70)	160 (130)	
	Vinyl chloride	20	16.0	ug/Kg	80			70 (72)	130 (129)	
	Bromomethane	20	16.6	ug/Kg	83			40 (58)	160 (141)	
	Chloroethane	20	15.9	ug/Kg	79			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.1	ug/Kg	96			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/Kg	91			70 (81)	130 (123)	
	1,1-Dichloroethene	20	17.9	ug/Kg	90			70 (79)	130 (121)	
	Acetone	100	85.6	ug/Kg	86			40 (60)	160 (131)	
	Carbon disulfide	20	17.2	ug/Kg	86			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	17.6	ug/Kg	88			70 (77)	130 (129)	
	Methyl Acetate	20	16.3	ug/Kg	81			70 (69)	130 (149)	
	Methylene Chloride	20	17.3	ug/Kg	86			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	17.2	ug/Kg	86			70 (80)	130 (123)	
	1,1-Dichloroethane	20	17.6	ug/Kg	88			70 (82)	130 (123)	
	Cyclohexane	20	18.4	ug/Kg	92			70 (76)	130 (122)	
	2-Butanone	100	92.7	ug/Kg	93			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.2	ug/Kg	101			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	18.0	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	20	17.3	ug/Kg	86			70 (80)	130 (127)	
	Chloroform	20	17.6	ug/Kg	88			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	18.7	ug/Kg	94			70 (80)	130 (126)	
	Methylcyclohexane	20	19.5	ug/Kg	98			70 (77)	130 (123)	
	Benzene	20	18.9	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.0	ug/Kg	95			70 (81)	130 (126)	
	Trichloroethene	20	18.6	ug/Kg	93			70 (83)	130 (122)	
	1,2-Dichloropropane	20	18.2	ug/Kg	91			70 (83)	130 (122)	
	Bromodichloromethane	20	18.4	ug/Kg	92			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	93.2	ug/Kg	93			40 (70)	160 (135)	
	Toluene	20	18.9	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	18.2	ug/Kg	91			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	18.9	ug/Kg	95			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	17.9	ug/Kg	90			70 (82)	130 (125)	
	2-Hexanone	100	94.7	ug/Kg	95			40 (66)	160 (138)	
	Dibromochloromethane	20	17.9	ug/Kg	90			70 (79)	130 (125)	
	1,2-Dibromoethane	20	17.6	ug/Kg	88			70 (80)	130 (125)	
	Tetrachloroethene	20	18.4	ug/Kg	92			70 (83)	130 (125)	
	Chlorobenzene	20	18.3	ug/Kg	92			70 (84)	130 (122)	
	Ethyl Benzene	20	18.7	ug/Kg	94			70 (82)	130 (124)	
	m/p-Xylenes	40	38.1	ug/Kg	95			70 (83)	130 (124)	
	o-Xylene	20	18.6	ug/Kg	93			70 (83)	130 (123)	
	Styrene	20	19.2	ug/Kg	96			70 (82)	130 (124)	
	Bromoform	20	18.7	ug/Kg	94			70 (75)	130 (127)	
	Isopropylbenzene	20	18.5	ug/Kg	93			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	17.3	ug/Kg	86			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.8	ug/Kg	89			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.1	ug/Kg	91			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	17.9	ug/Kg	90			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

Analytical Method: SW8260D **Datafile :** VY020349.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY1120SBS01	1,2-Dibromo-3-Chloropropane	20	17.3	ug/Kg	86			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.2	ug/Kg	91			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.2	ug/Kg	91			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

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)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4860

Client: Tetra Tech

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

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits 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)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD1118SBL01

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VD080059.D Lab Sample ID: VD1118SBL01

Date Analyzed: 11/18/2024 Time Analyzed: 10:27

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_D

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VD1118SBS01	VD1118SBS01	VD080060.D	11/18/2024
VD1118SBSD01	VD1118SBSD01	VD080061.D	11/18/2024
DUP-01	P4860-01	VD080072.D	11/18/2024
PH2-BOT-001	P4860-02	VD080073.D	11/18/2024
PH2-BOT-003	P4860-04	VD080075.D	11/18/2024
PH2-BOT-004	P4860-05	VD080076.D	11/18/2024
PH2-BOT-008	P4860-07	VD080078.D	11/18/2024
PH2-BOT-007	P4860-08	VD080079.D	11/18/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1120SBL01

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020348.D Lab Sample ID: VY1120SBL01

Date Analyzed: 11/20/2024 Time Analyzed: 10:07

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
VY1120SBS01	VY1120SBS01	VY020349.D	11/20/2024
PH2-BOT-002	P4860-03	VY020368.D	11/20/2024
PH2-BOT-009	P4860-06	VY020369.D	11/20/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1121SBL01

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

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
PH2-BOT-005	P4860-10	VY020389.D	11/21/2024
PH2-BOT-006	P4860-09	VY020390.D	11/21/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VD080019.D BFB Injection Date: 11/15/2024

Instrument ID: MSVOA_D BFB Injection Time: 09:14

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.1
75	30.0 - 60.0% of mass 95	50.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	90.2
175	5.0 - 9.0% of mass 174	7.3 (8.1) 1
176	95.0 - 101.0% of mass 174	87.4 (97) 1
177	5.0 - 9.0% of mass 176	5.9 (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
VSTDICC005	VSTDICC005	VD080020.D	11/15/2024	10:04
VSTDICC010	VSTDICC010	VD080021.D	11/15/2024	10:31
VSTDICC020	VSTDICC020	VD080022.D	11/15/2024	10:58
VSTDICCC050	VSTDICCC050	VD080023.D	11/15/2024	11:24
VSTDICC100	VSTDICC100	VD080024.D	11/15/2024	11:51
VSTDICC150	VSTDICC150	VD080025.D	11/15/2024	12:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VD080057.D BFB Injection Date: 11/18/2024

Instrument ID: MSVOA_D BFB Injection Time: 09:21

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	93
175	5.0 - 9.0% of mass 174	7.3 (7.9) 1
176	95.0 - 101.0% of mass 174	92 (98.9) 1
177	5.0 - 9.0% of mass 176	5.8 (6.3) 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	VD080058.D	11/18/2024	09:51
VD1118SBL01	VD1118SBL01	VD080059.D	11/18/2024	10:27
VD1118SBS01	VD1118SBS01	VD080060.D	11/18/2024	10:55
VD1118SBSD01	VD1118SBSD01	VD080061.D	11/18/2024	11:22
DUP-01	P4860-01	VD080072.D	11/18/2024	16:39
PH2-BOT-001	P4860-02	VD080073.D	11/18/2024	17:06
PH2-BOT-003	P4860-04	VD080075.D	11/18/2024	18:00
PH2-BOT-004	P4860-05	VD080076.D	11/18/2024	18:28
PH2-BOT-008	P4860-07	VD080078.D	11/18/2024	19:22
PH2-BOT-007	P4860-08	VD080079.D	11/18/2024	19:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020346.D BFB Injection Date: 11/20/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:23

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	56.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	76
175	5.0 - 9.0% of mass 174	6.1 (8) 1
176	95.0 - 101.0% of mass 174	72.7 (95.6) 1
177	5.0 - 9.0% of mass 176	5.1 (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	VY020347.D	11/20/2024	09:34
VY1120SBL01	VY1120SBL01	VY020348.D	11/20/2024	10:07
VY1120SBS01	VY1120SBS01	VY020349.D	11/20/2024	10:53
PH2-BOT-002	P4860-03	VY020368.D	11/20/2024	18:35
PH2-BOT-009	P4860-06	VY020369.D	11/20/2024	18:58

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

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
PH2-BOT-005	P4860-10	VY020389.D	11/21/2024	16:06
PH2-BOT-006	P4860-09	VY020390.D	11/21/2024	16:30

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VD080058.D Date Analyzed: 11/18/2024

Instrument ID: MSVOA_D Time Analyzed: 09:51

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	175845	7.88	262205	8.78	246582	11.58
UPPER LIMIT	351690	8.375	524410	9.281	493164	12.081
LOWER LIMIT	87922.5	7.375	131103	8.281	123291	11.081
EPA SAMPLE NO.						
DUP-01	213473	7.88	350981	8.78	340318	11.58
PH2-BOT-001	219259	7.88	366320	8.78	329102	11.58
PH2-BOT-003	207332	7.88	367976	8.78	326426	11.58
PH2-BOT-004	200921	7.88	364222	8.78	324341	11.58
PH2-BOT-008	209792	7.88	360025	8.78	320832	11.58
PH2-BOT-007	216854	7.88	352745	8.78	326096	11.58
VD1118SBL01	175706	7.88	294729	8.78	273326	11.58
VD1118SBS01	178101	7.88	282863	8.78	258933	11.58
VD1118SBSD01	185362	7.88	285036	8.78	278035	11.58

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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VD080058.D Date Analyzed: 11/18/2024

Instrument ID: MSVOA_D Time Analyzed: 09:51

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	138959	13.516				
UPPER LIMIT	277918	14.016				
LOWER LIMIT	69479.5	13.016				
EPA SAMPLE NO.						
DUP-01	150840	13.52				
PH2-BOT-001	146457	13.52				
PH2-BOT-003	150989	13.52				
PH2-BOT-004	143861	13.52				
PH2-BOT-008	141967	13.52				
PH2-BOT-007	151026	13.52				
VD1118SBL01	122131	13.52				
VD1118SBS01	141556	13.52				
VD1118SBSD01	143766	13.52				

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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020347.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:34

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	225214	7.71	368816	8.62	305686	11.42
UPPER LIMIT	450428	8.213	737632	9.122	611372	11.92
LOWER LIMIT	112607	7.213	184408	8.122	152843	10.92
EPA SAMPLE NO.						
PH2-BOT-002	137679	7.71	269671	8.62	257307	11.41
PH2-BOT-009	142975	7.71	273649	8.62	253521	11.41
VY1120SBL01	160712	7.71	312610	8.62	282610	11.42
VY1120SBS01	210349	7.71	347339	8.62	288195	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

Lab File ID: VY020347.D Date Analyzed: 11/20/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:34

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

	IS4 AREA #	RT #				
12 HOUR STD	139421	13.352				
UPPER LIMIT	278842	13.852				
LOWER LIMIT	69710.5	12.852				
EPA SAMPLE NO.						
PH2-BOT-002	102362	13.35				
PH2-BOT-009	99327	13.35				
VY1120SBL01	104132	13.35				
VY1120SBS01	135305	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

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.						
PH2-BOT-006	140871	7.71	273565	8.62	262252	11.41
PH2-BOT-005	140636	7.71	270374	8.62	252016	11.41
VY1121SBL01	139506	7.71	270751	8.62	245370	11.42
VY1121SBS01	180247	7.71	303523	8.62	255135	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG NO.: P4860

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.						
PH2-BOT-006	106466	13.35				
PH2-BOT-005	101642	13.35				
VY1121SBL01	89046	13.35				
VY1121SBS01	121310	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBL01	SDG No.:	P4860
Lab Sample ID:	VD1118SBL01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080059.D	1		11/18/24 10:27	VD111824

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBL01	SDG No.:	P4860
Lab Sample ID:	VD1118SBL01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080059.D	1		11/18/24 10:27	VD111824

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	49.5		70 (50) - 130 (163)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		70 (54) - 130 (147)	98%	SPK: 50
2037-26-5	Toluene-d8	44.4		70 (58) - 130 (134)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.2		70 (29) - 130 (146)	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	7.875			
540-36-3	1,4-Difluorobenzene	295000	8.781			
3114-55-4	Chlorobenzene-d5	273000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	122000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBL01	SDG No.:	P4860
Lab Sample ID:	VD1118SBL01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080059.D	1		11/18/24 10:27	VD111824

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBL01	SDG No.:	P4860
Lab Sample ID:	VY1120SBL01	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
VY020348.D	1		11/20/24 10:07	VY112024

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBL01	SDG No.:	P4860
Lab Sample ID:	VY1120SBL01	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
VY020348.D	1		11/20/24 10:07	VY112024

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	53.2		70 (50) - 130 (163)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (54) - 130 (147)	97%	SPK: 50
2037-26-5	Toluene-d8	48.1		70 (58) - 130 (134)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (29) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	7.713			
540-36-3	1,4-Difluorobenzene	313000	8.616			
3114-55-4	Chlorobenzene-d5	283000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	104000	13.346			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBL01	SDG No.:	P4860
Lab Sample ID:	VY1120SBL01	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
VY020348.D	1		11/20/24 10:07	VY112024

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4860
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

Raw Data: **VY020374.D**

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4860
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			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBL01	SDG No.:	P4860
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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBS01	SDG No.:	P4860
Lab Sample ID:	VD1118SBS01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080060.D	1		11/18/24 10:55	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.2		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.3		1.00	5.00	ug/Kg
75-00-3	Chloroethane	22.5		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.3		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.0		0.78	5.00	ug/Kg
67-64-1	Acetone	96.9		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.2		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	19.2		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.5		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.0		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.3		0.69	5.00	ug/Kg
78-93-3	2-Butanone	83.2		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.4		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	17.9		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.3		0.87	5.00	ug/Kg
71-43-2	Benzene	19.3		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.5		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.5		4.40	25.0	ug/Kg
108-88-3	Toluene	19.5		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBS01	SDG No.:	P4860
Lab Sample ID:	VD1118SBS01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080060.D	1		11/18/24 10:55	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.3		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	92.0		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.2		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.5		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.7		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.70	5.00	ug/Kg
100-42-5	Styrene	19.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	20.2		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.4		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.7		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.4		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.5		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		70 (50) - 130 (163)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (58) - 130 (134)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (29) - 130 (146)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178000	7.875			
540-36-3	1,4-Difluorobenzene	283000	8.775			
3114-55-4	Chlorobenzene-d5	259000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	142000	13.516			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBS01	SDG No.:	P4860
Lab Sample ID:	VD1118SBS01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080060.D	1		11/18/24 10:55	VD111824

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBS01	SDG No.:	P4860
Lab Sample ID:	VY1120SBS01	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
VY020349.D	1		11/20/24 10:53	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.8		1.70	5.00	ug/Kg
74-87-3	Chloromethane	14.5		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	16.0		0.77	5.00	ug/Kg
74-83-9	Bromomethane	16.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	15.9		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.1		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	17.9		0.78	5.00	ug/Kg
67-64-1	Acetone	85.6		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	17.2		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	17.6		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	16.3		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	17.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	17.2		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	17.6		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.4		0.69	5.00	ug/Kg
78-93-3	2-Butanone	92.7		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.2		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.0		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	17.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	17.6		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.7		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.5		0.87	5.00	ug/Kg
71-43-2	Benzene	18.9		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.0		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.6		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	18.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	18.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	93.2		4.40	25.0	ug/Kg
108-88-3	Toluene	18.9		0.67	5.00	ug/Kg

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBS01	SDG No.:	P4860
Lab Sample ID:	VY1120SBS01	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
VY020349.D	1		11/20/24 10:53	VY112024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.2		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	17.9		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	94.7		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	17.9		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	17.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.4		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	18.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.6		0.70	5.00	ug/Kg
100-42-5	Styrene	19.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.7		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.5		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	17.3		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	18.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	17.9		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.2		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.2		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		70 (50) - 130 (163)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	41.3		70 (54) - 130 (147)	83%	SPK: 50
2037-26-5	Toluene-d8	42.7		70 (58) - 130 (134)	85%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 (29) - 130 (146)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.713			
540-36-3	1,4-Difluorobenzene	347000	8.616			
3114-55-4	Chlorobenzene-d5	288000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	135000	13.353			

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Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1120SBS01	SDG No.:	P4860
Lab Sample ID:	VY1120SBS01	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
VY020349.D	1		11/20/24 10:53	VY112024

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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4860
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**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4860
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			

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

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VY1121SBS01	SDG No.:	P4860
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:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBSD01	SDG No.:	P4860
Lab Sample ID:	VD1118SBSD01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080061.D	1		11/18/24 11:22	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.6		1.70	5.00	ug/Kg
74-87-3	Chloromethane	17.2		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	17.9		0.77	5.00	ug/Kg
74-83-9	Bromomethane	17.1		1.00	5.00	ug/Kg
75-00-3	Chloroethane	17.5		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.7		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		0.78	5.00	ug/Kg
67-64-1	Acetone	110		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.7		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.9		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.7		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	21.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.2		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	19.0		0.69	5.00	ug/Kg
78-93-3	2-Butanone	100		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.5		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.3		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	18.2		2.40	5.00	ug/Kg
67-66-3	Chloroform	21.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.87	5.00	ug/Kg
71-43-2	Benzene	20.8		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.1		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		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	21.3		0.67	5.00	ug/Kg

Raw Data: **VD080061.D**

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

Report of Analysis

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBSD01	SDG No.:	P4860
Lab Sample ID:	VD1118SBSD01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080061.D	1		11/18/24 11:22	VD111824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.9		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	21.9		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.6		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	23.4		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	22.4		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	20.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.3		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.5		1.40	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.70	5.00	ug/Kg
100-42-5	Styrene	20.5		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.6		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.9		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.6		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	20.9		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		70 (50) - 130 (163)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 (54) - 130 (147)	100%	SPK: 50
2037-26-5	Toluene-d8	50.0		70 (58) - 130 (134)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.4		70 (29) - 130 (146)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	185000	7.875			
540-36-3	1,4-Difluorobenzene	285000	8.781			
3114-55-4	Chlorobenzene-d5	278000	11.581			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.516			

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

Client:	Tetra Tech	Date Collected:	
Project:	Ocean County Landfill 2024	Date Received:	
Client Sample ID:	VD1118SBSD01	SDG No.:	P4860
Lab Sample ID:	VD1118SBSD01	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:	RTX-VMS ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VD080061.D	1		11/18/24 11:22	VD111824

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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_D Calibration Date(s): 11/15/2024 11/15/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:04 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD080020.D RRF010 = VD080021.D RRF020 = VD080022.D
RRF050 = VD080023.D RRF100 = VD080024.D RRF150 = VD080025.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.465	0.388	0.364	0.396	0.396	0.399	0.401	8.4
Chloromethane	0.330	0.348	0.279	0.276	0.281	0.257	0.295	12.1
Vinyl Chloride	0.377	0.390	0.312	0.322	0.330	0.290	0.337	11.5
Bromomethane	0.451	0.498	0.345	0.305	0.347	0.296	0.374	22
Chloroethane	0.254	0.309	0.228	0.208	0.251	0.195	0.241	16.9
Trichlorofluoromethane	0.935	0.919	0.763	0.766	0.824	0.758	0.827	9.8
1,1,2-Trichlorotrifluoroethane	0.571	0.563	0.486	0.481	0.498	0.503	0.517	7.6
1,1-Dichloroethene	0.535	0.540	0.494	0.491	0.519	0.529	0.518	4.1
Acetone	0.101	0.116	0.091	0.106	0.132	0.124	0.112	13.6
Carbon Disulfide	1.724	1.793	1.552	1.554	1.697	1.690	1.668	5.8
Methyl tert-butyl Ether	0.877	1.057	1.011	1.088	1.156	1.153	1.057	9.9
Methyl Acetate	0.270	0.251	0.248	0.214	0.255	0.249	0.248	7.5
Methylene Chloride	0.643	0.628	0.612	0.556	0.581	0.575	0.599	5.6
trans-1,2-Dichloroethene	0.589	0.579	0.536	0.578	0.579	0.576	0.573	3.3
1,1-Dichloroethane	1.015	1.040	0.961	0.973	0.974	0.972	0.989	3.2
Cyclohexane	0.945	0.869	0.780	0.797	0.811	0.828	0.838	7.2
2-Butanone	0.135	0.141	0.139	0.154	0.155	0.152	0.146	5.8
Carbon Tetrachloride	0.521	0.515	0.482	0.491	0.483	0.490	0.497	3.4
cis-1,2-Dichloroethene	0.665	0.649	0.620	0.656	0.675	0.679	0.657	3.2
Bromochloromethane	0.506	0.495	0.416	0.406	0.402	0.415	0.440	10.7
Chloroform	1.057	1.143	1.012	1.019	1.006	1.015	1.042	5
1,1,1-Trichloroethane	0.970	0.930	0.851	0.869	0.864	0.867	0.892	5.3
Methylcyclohexane	0.517	0.515	0.476	0.556	0.583	0.604	0.542	8.9
Benzene	1.391	1.430	1.351	1.436	1.439	1.463	1.418	2.8
1,2-Dichloroethane	0.376	0.382	0.350	0.368	0.367	0.359	0.367	3.1
Trichloroethene	0.378	0.389	0.341	0.361	0.361	0.372	0.367	4.5
1,2-Dichloropropane	0.333	0.345	0.329	0.352	0.342	0.344	0.341	2.5
Bromodichloromethane	0.513	0.504	0.472	0.499	0.492	0.497	0.496	2.8
4-Methyl-2-Pentanone	0.160	0.164	0.172	0.193	0.197	0.193	0.180	9.1
Toluene	0.814	0.864	0.823	0.917	0.927	0.945	0.881	6.4

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_D Calibration Date(s): 11/15/2024 11/15/2024

Heated Purge: (Y/N) Y Calibration Time(s): 10:04 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

LAB FILE ID: RRF005 = VD080020.D RRF010 = VD080021.D RRF020 = VD080022.D
RRF050 = VD080023.D RRF100 = VD080024.D RRF150 = VD080025.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.401	0.440	0.420	0.459	0.465	0.471	0.442	6.2
cis-1,3-Dichloropropene	0.490	0.501	0.506	0.542	0.549	0.555	0.524	5.3
1,1,2-Trichloroethane	0.256	0.276	0.250	0.267	0.262	0.263	0.262	3.4
2-Hexanone	0.108	0.124	0.122	0.147	0.148	0.145	0.132	12.5
Dibromochloromethane	0.317	0.348	0.320	0.349	0.343	0.349	0.338	4.5
1,2-Dibromoethane	0.234	0.251	0.237	0.252	0.256	0.255	0.247	3.9
Tetrachloroethene	0.386	0.365	0.337	0.342	0.352	0.355	0.356	5
Chlorobenzene	1.138	1.102	1.024	1.070	1.095	1.116	1.091	3.6
Ethyl Benzene	1.740	1.714	1.693	1.866	1.965	2.002	1.830	7.3
m/p-Xylenes	0.647	0.688	0.683	0.727	0.766	0.780	0.715	7.2
o-Xylene	0.542	0.595	0.604	0.670	0.720	0.726	0.643	11.5
Styrene	0.969	1.068	1.105	1.212	1.259	1.271	1.148	10.5
Bromoform	0.240	0.222	0.215	0.223	0.222	0.221	0.224	3.8
Isopropylbenzene	3.045	3.093	2.974	3.271	3.463	3.501	3.224	6.9
1,1,2,2-Tetrachloroethane	0.661	0.656	0.585	0.608	0.612	0.597	0.620	5.1
1,3-Dichlorobenzene	1.711	1.653	1.627	1.688	1.735	1.768	1.697	3.1
1,4-Dichlorobenzene	1.809	1.769	1.608	1.661	1.692	1.686	1.704	4.3
1,2-Dichlorobenzene	1.500	1.502	1.408	1.473	1.502	1.494	1.480	2.5
1,2-Dibromo-3-Chloropropane	0.083	0.109	0.090	0.091	0.096	0.093	0.094	8.9
1,2,4-Trichlorobenzene	0.913	0.860	0.855	0.923	1.001	1.014	0.928	7.3
1,2,3-Trichlorobenzene	0.766	0.782	0.751	0.825	0.873	0.891	0.815	7.1
1,2-Dichloroethane-d4	0.554	0.532	0.451	0.526	0.504	0.523	0.515	6.8
Dibromofluoromethane	0.335	0.357	0.285	0.338	0.329	0.354	0.333	7.8
Toluene-d8	1.162	1.249	1.087	1.330	1.303	1.393	1.254	9
4-Bromofluorobenzene	0.388	0.392	0.353	0.435	0.437	0.464	0.411	9.9

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_D Calibration Date/Time: 11/18/2024 09:51

Lab File ID: VD080058.D Init. Calib. Date(s): 11/15/2024 11/15/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:04 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.401	0.410		2.24	20
Chloromethane	0.295	0.265	0.1	-10.17	20
Vinyl Chloride	0.337	0.308		-8.6	20
Bromomethane	0.374	0.322		-13.9	20
Chloroethane	0.241	0.206		-14.52	20
Trichlorofluoromethane	0.827	0.852		3.02	20
1,1,2-Trichlorotrifluoroethane	0.517	0.574		11.02	20
1,1-Dichloroethene	0.518	0.539		4.05	20
Acetone	0.112	0.136		21.43	20
Carbon Disulfide	1.668	1.742		4.44	20
Methyl tert-butyl Ether	1.057	1.138		7.66	20
Methyl Acetate	0.248	0.252		1.61	20
Methylene Chloride	0.599	0.607		1.34	20
trans-1,2-Dichloroethene	0.573	0.612		6.81	20
1,1-Dichloroethane	0.989	1.006	0.1	1.72	20
Cyclohexane	0.838	0.852		1.67	20
2-Butanone	0.146	0.160		9.59	20
Carbon Tetrachloride	0.497	0.570		14.69	20
cis-1,2-Dichloroethene	0.657	0.682		3.81	20
Bromochloromethane	0.440	0.409		-7.05	20
Chloroform	1.042	1.115		7.01	20
1,1,1-Trichloroethane	0.892	0.953		6.84	20
Methylcyclohexane	0.542	0.647		19.37	20
Benzene	1.418	1.574		11	20
1,2-Dichloroethane	0.367	0.414		12.81	20
Trichloroethene	0.367	0.403		9.81	20
1,2-Dichloropropane	0.341	0.380		11.44	20
Bromodichloromethane	0.496	0.561		13.1	20
4-Methyl-2-Pentanone	0.180	0.222		23.33	20
Toluene	0.881	1.039		17.93	20
t-1,3-Dichloropropene	0.442	0.504		14.03	20
cis-1,3-Dichloropropene	0.524	0.597		13.93	20
1,1,2-Trichloroethane	0.262	0.299		14.12	20
2-Hexanone	0.132	0.172		30.3	20
Dibromochloromethane	0.338	0.402		18.93	20
1,2-Dibromoethane	0.247	0.292		18.22	20
Tetrachloroethene	0.356	0.401		12.64	20
Chlorobenzene	1.091	1.194	0.3	9.44	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_D Calibration Date/Time: 11/18/2024 09:51

Lab File ID: VD080058.D Init. Calib. Date(s): 11/15/2024 11/15/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:04 12:18

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.830	2.115		15.57	20
m/p-Xylenes	0.715	0.835		16.78	20
o-Xylene	0.643	0.755		17.42	20
Styrene	1.148	1.353		17.86	20
Bromoform	0.224	0.262	0.1	16.96	20
Isopropylbenzene	3.224	3.560		10.42	20
1,1,2,2-Tetrachloroethane	0.620	0.671	0.3	8.23	20
1,3-Dichlorobenzene	1.697	1.841		8.49	20
1,4-Dichlorobenzene	1.704	1.824		7.04	20
1,2-Dichlorobenzene	1.480	1.593		7.64	20
1,2-Dibromo-3-Chloropropane	0.094	0.097		3.19	20
1,2,4-Trichlorobenzene	0.928	1.118		20.47	20
1,2,3-Trichlorobenzene	0.815	0.928		13.86	20
1,2-Dichloroethane-d4	0.515	0.514		-0.19	20
Dibromofluoromethane	0.333	0.359		7.81	20
Toluene-d8	1.254	1.382		10.21	20
4-Bromofluorobenzene	0.411	0.467		13.63	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_Y Calibration Date/Time: 11/20/2024 09:34

Lab File ID: VY020347.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	0.550		13.4	20
Chloromethane	0.735	0.591	0.1	-19.59	20
Vinyl Chloride	0.666	0.589		-11.56	20
Bromomethane	0.333	0.311		-6.61	20
Chloroethane	0.388	0.354		-8.76	20
Trichlorofluoromethane	0.925	0.956		3.35	20
1,1,2-Trichlorotrifluoroethane	0.551	0.547		-0.73	20
1,1-Dichloroethene	0.545	0.537		-1.47	20
Acetone	0.138	0.155		12.32	20
Carbon Disulfide	1.838	1.781		-3.1	20
Methyl tert-butyl Ether	1.417	1.362		-3.88	20
Methyl Acetate	0.321	0.302		-5.92	20
Methylene Chloride	0.583	0.553		-5.15	20
trans-1,2-Dichloroethene	0.606	0.587		-3.13	20
1,1-Dichloroethane	1.173	1.127	0.1	-3.92	20
Cyclohexane	1.071	1.061		-1.03	20
2-Butanone	0.177	0.192		8.48	20
Carbon Tetrachloride	0.511	0.567		10.96	20
cis-1,2-Dichloroethene	0.667	0.661		-0.9	20
Bromochloromethane	0.494	0.453		-8.3	20
Chloroform	1.133	1.085		-4.24	20
1,1,1-Trichloroethane	0.995	1.011		1.61	20
Methylcyclohexane	0.613	0.670		9.3	20
Benzene	1.435	1.470		2.44	20
1,2-Dichloroethane	0.387	0.400		3.36	20
Trichloroethene	0.340	0.345		1.47	20
1,2-Dichloropropane	0.342	0.347		1.46	20
Bromodichloromethane	0.484	0.494		2.07	20
4-Methyl-2-Pentanone	0.221	0.229		3.62	20
Toluene	0.877	0.892		1.71	20
t-1,3-Dichloropropene	0.458	0.466		1.75	20
cis-1,3-Dichloropropene	0.524	0.550		4.96	20
1,1,2-Trichloroethane	0.233	0.225		-3.43	20
2-Hexanone	0.157	0.176		12.1	20
Dibromochloromethane	0.300	0.305		1.67	20
1,2-Dibromoethane	0.216	0.209		-3.24	20
Tetrachloroethene	0.360	0.363		0.83	20
Chlorobenzene	1.115	1.114	0.3	-0.09	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

Instrument ID: MSVOA_Y Calibration Date/Time: 11/20/2024 09:34

Lab File ID: VY020347.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	2.117		2.92	20
m/p-Xylenes	0.741	0.770		3.91	20
o-Xylene	0.703	0.726		3.27	20
Styrene	1.167	1.218		4.37	20
Bromoform	0.194	0.200	0.1	3.09	20
Isopropylbenzene	4.236	4.367		3.09	20
1,1,2,2-Tetrachloroethane	0.685	0.666	0.3	-2.77	20
1,3-Dichlorobenzene	1.794	1.743		-2.84	20
1,4-Dichlorobenzene	1.714	1.708		-0.35	20
1,2-Dichlorobenzene	1.495	1.493		-0.13	20
1,2-Dibromo-3-Chloropropane	0.112	0.109		-2.68	20
1,2,4-Trichlorobenzene	0.904	0.954		5.53	20
1,2,3-Trichlorobenzene	0.773	0.794		2.72	20
1,2-Dichloroethane-d4	0.574	0.565		-1.57	20
Dibromofluoromethane	0.321	0.306		-4.67	20
Toluene-d8	1.263	1.246		-1.35	20
4-Bromofluorobenzene	0.406	0.409		0.74	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: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CORN02

Lab Code: CHEM Case No.: P4860 SAS No.: P4860 SDG No.: P4860

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.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Quant Time: Nov 19 04:48:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

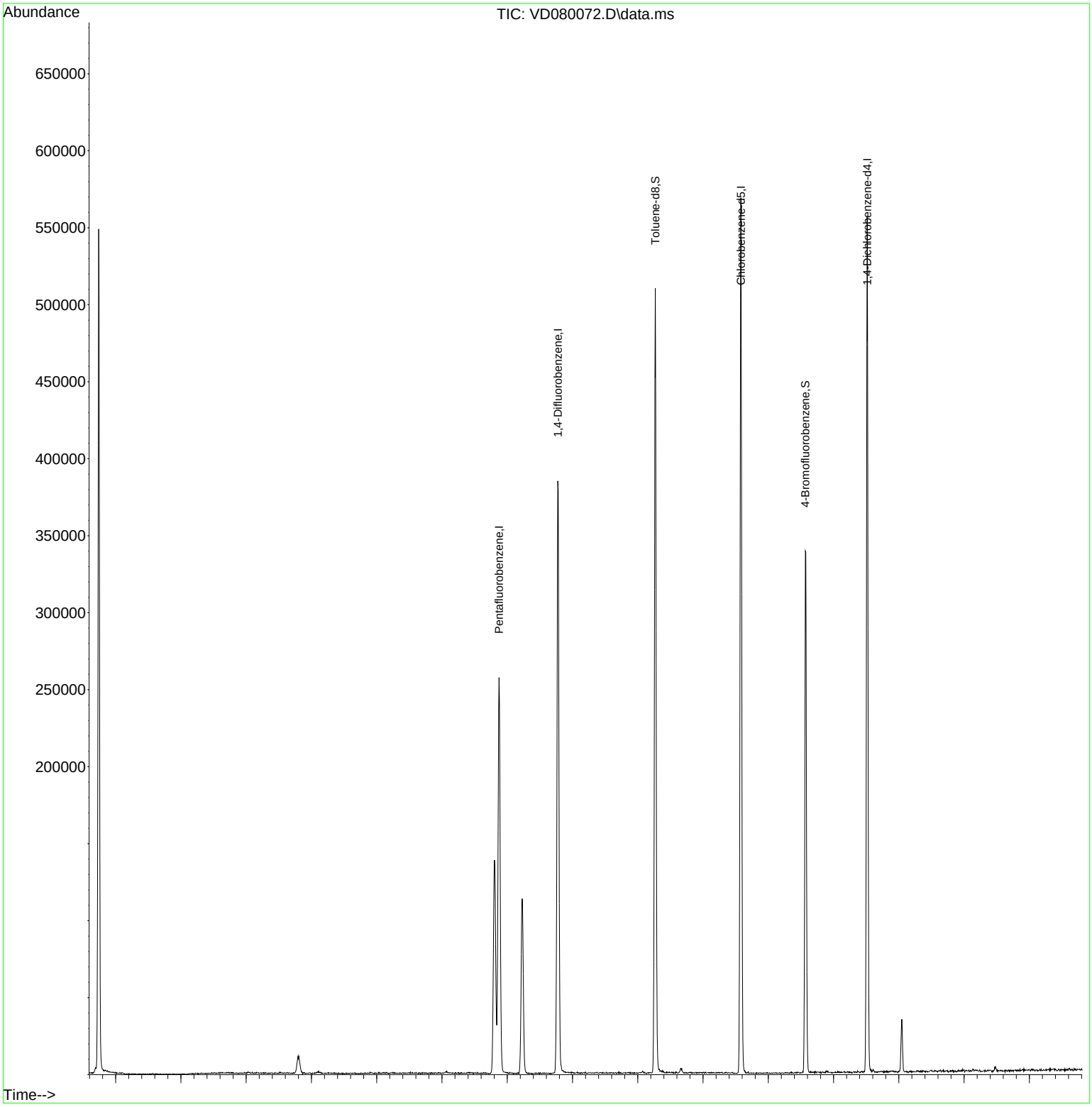
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	213473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	350981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	340318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	150840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	92578	42.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 84.240%			
35) Dibromofluoromethane	7.804	113	102719	43.974	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.940%			
50) Toluene-d8	10.269	98	353984	40.207	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 80.420%			
62) 4-Bromofluorobenzene	12.569	95	107786	37.316	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 74.640%			
Target Compounds						Qvalue

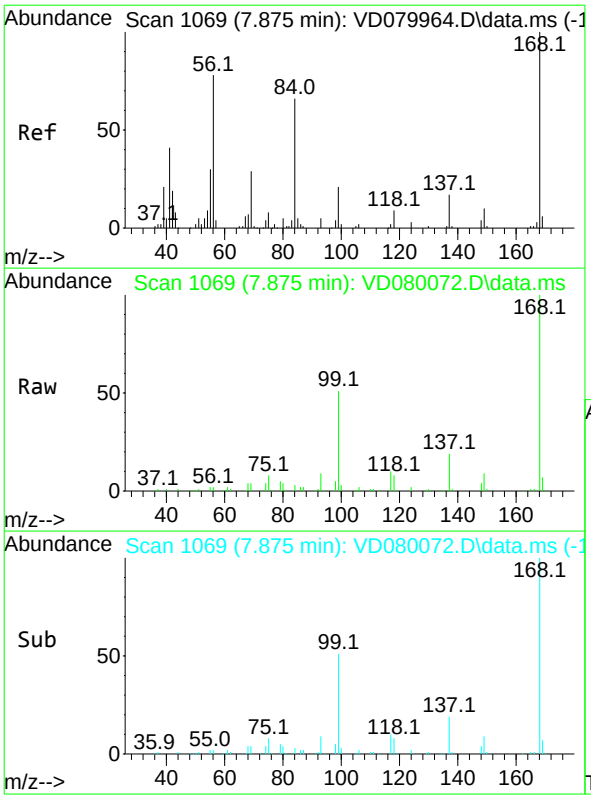
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Quant Time: Nov 19 04:48:52 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



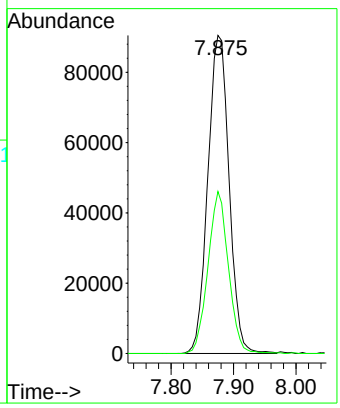


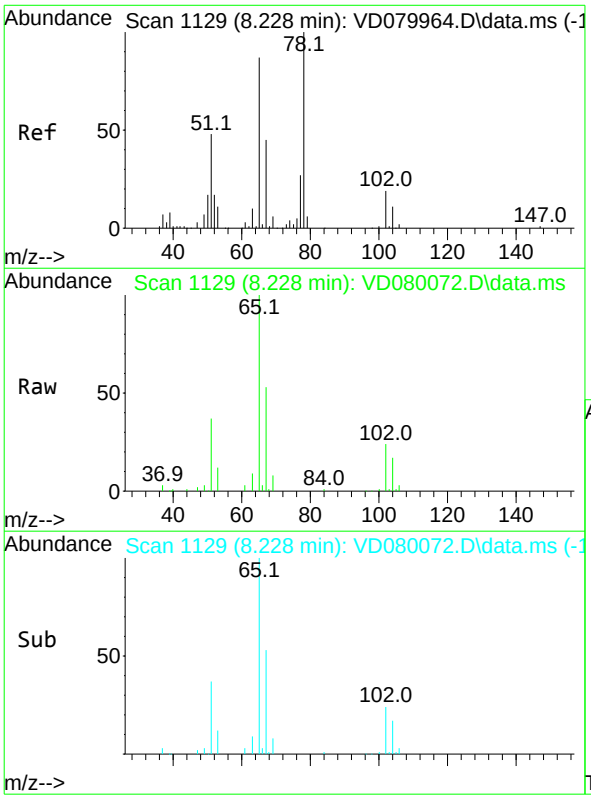
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Tgt Ion:168 Resp: 213473

Ion	Ratio	Lower	Upper
168	100		
99	50.9	46.0	69.0

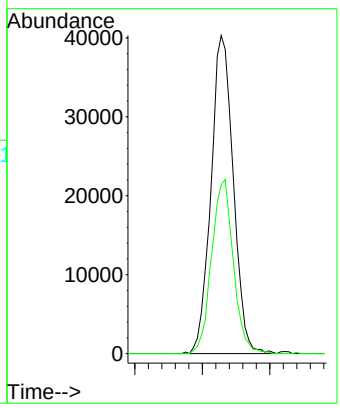


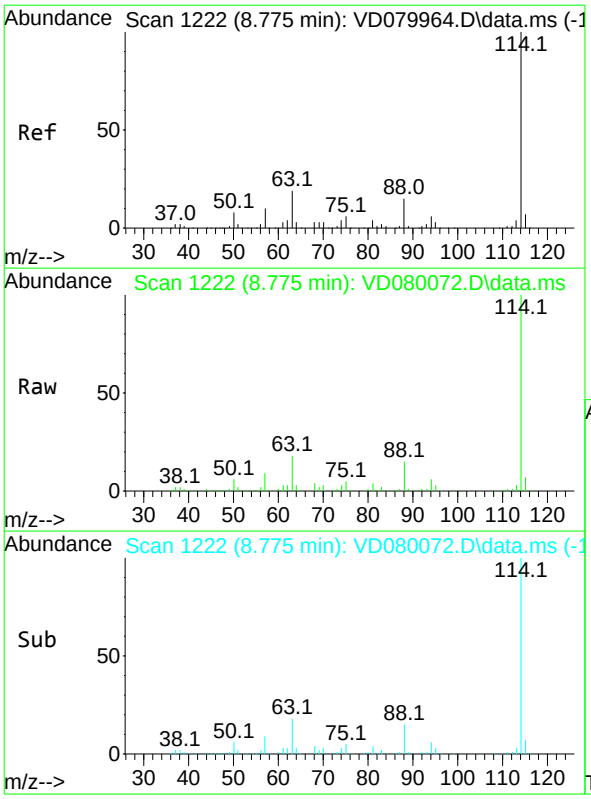


#33
1,2-Dichloroethane-d4
Concen: 42.121 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Tgt Ion: 65 Resp: 92578

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	109.2



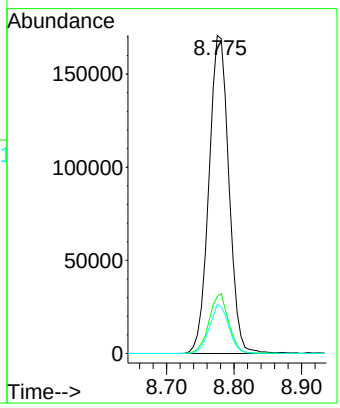


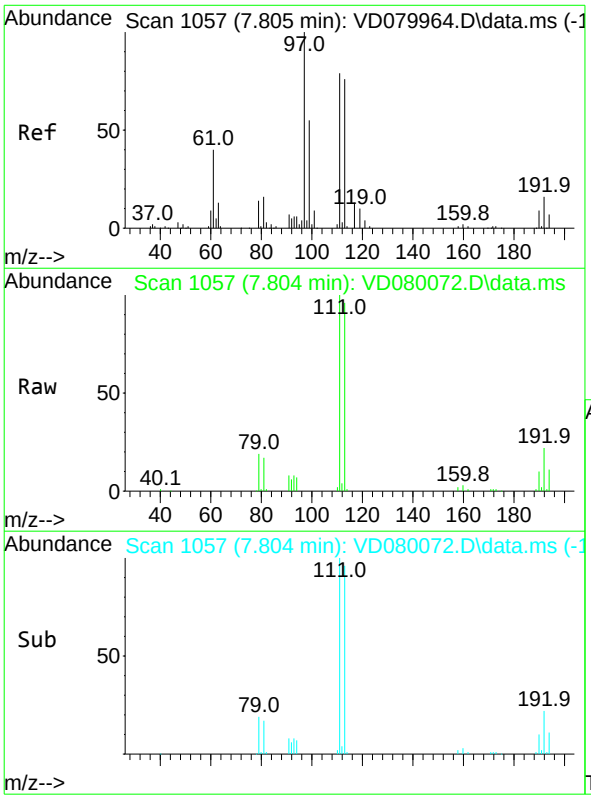
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Tgt Ion:114 Resp: 350981

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.8
88	15.4	0.0	30.6

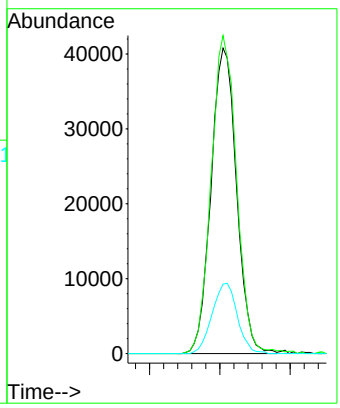


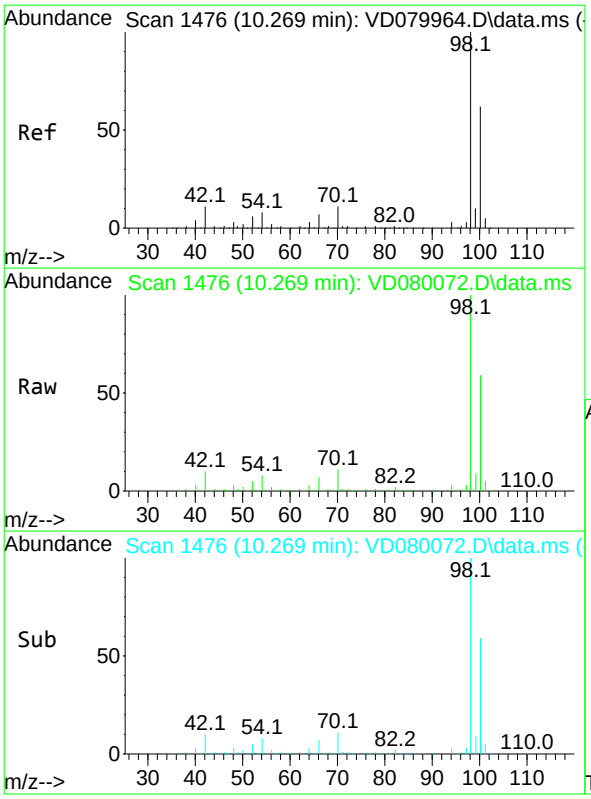


#35
Dibromofluoromethane
Concen: 43.974 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Tgt Ion:113 Resp: 102719

Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.5	123.7
192	22.8	16.6	25.0



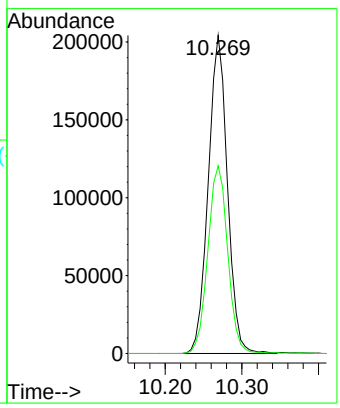


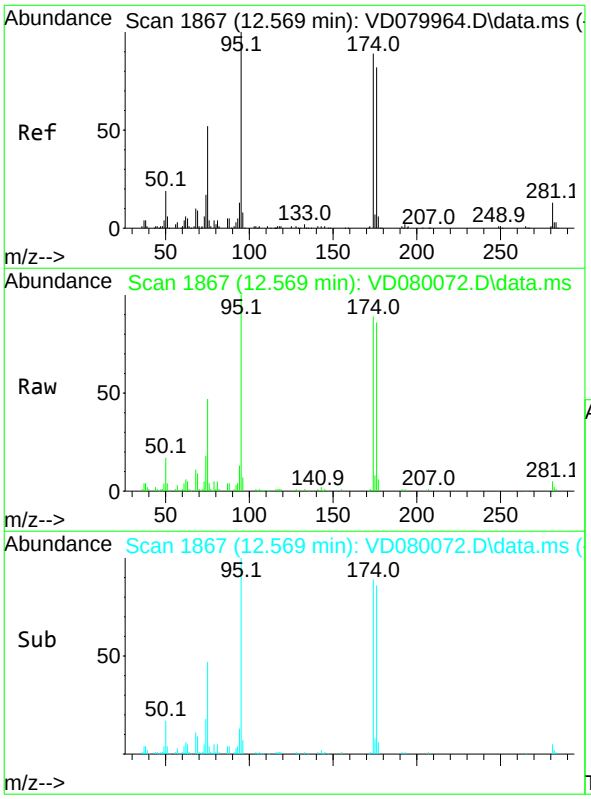
#50
Toluene-d8
Concen: 40.207 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Tgt Ion: 98 Resp: 353984

Ion	Ratio	Lower	Upper
98	100		
100	61.3	50.2	75.4

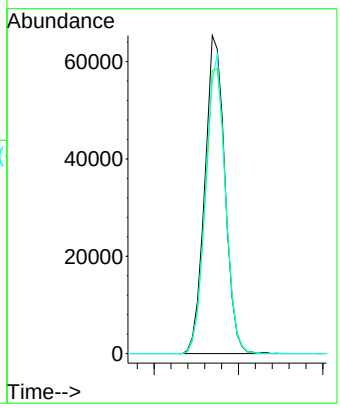


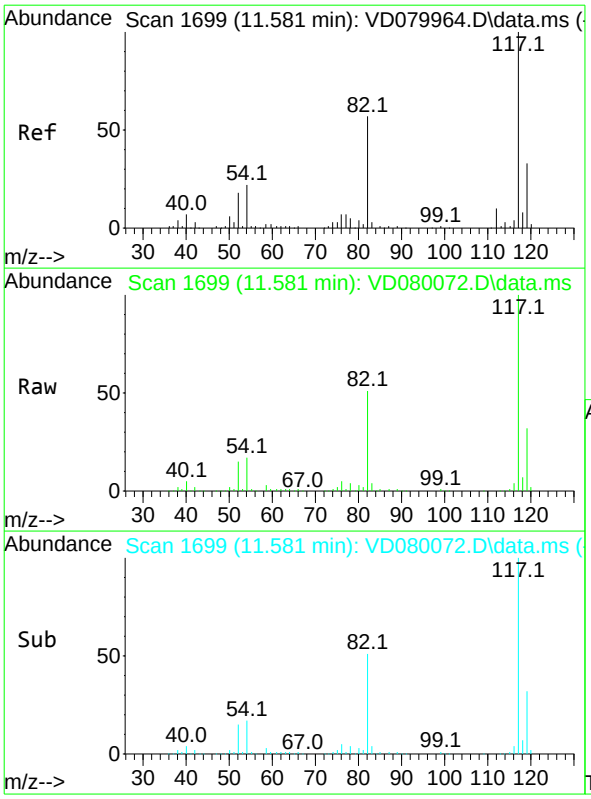


#62
4-Bromofluorobenzene
Concen: 37.316 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Tgt Ion: 95 Resp: 107786

Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	173.4
176	92.6	0.0	166.6



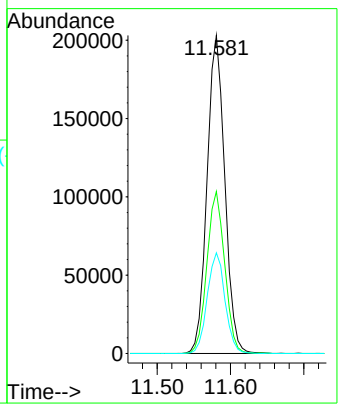


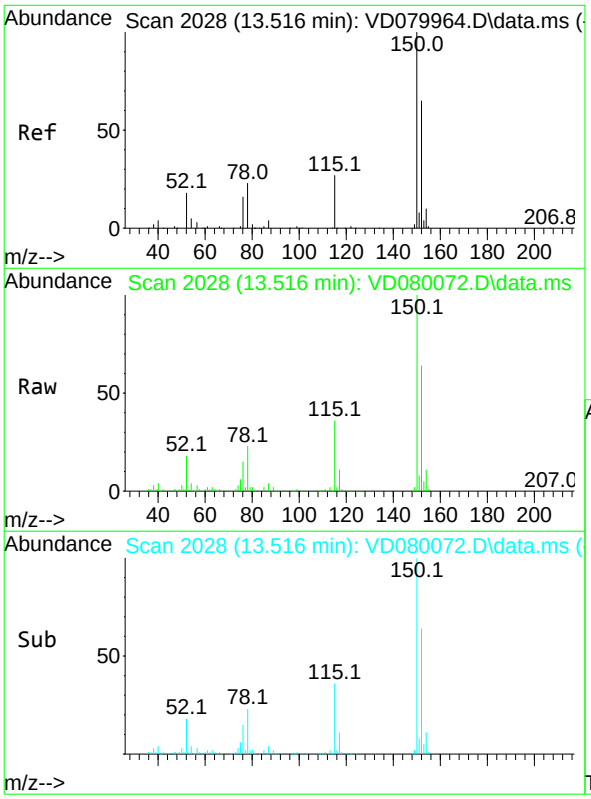
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 16
Delta R.T. -0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Tgt Ion:117 Resp: 340318

Ion	Ratio	Lower	Upper
117	100		
82	50.9	45.8	68.6
119	31.6	26.2	39.2

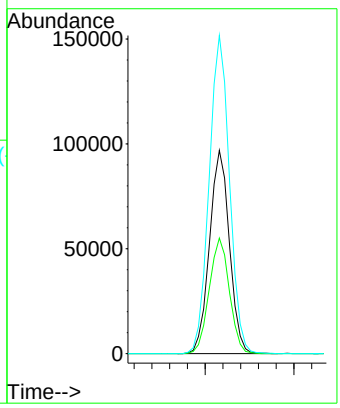




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080072.D
Acq: 18 Nov 2024 16:39

Tgt Ion:152 Resp: 150840

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.9	86.8
150	159.9	0.0	354.8



Sample Results: **VD080072.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080072.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	36	rVB	545530	853469	89.10%	13.713%
2	4.793	536	545	546	rBV	10660	17292	1.81%	0.278%
3	7.804	1047	1057	1063	rBV	138550	347083	36.23%	5.577%
4	7.875	1063	1069	1082	rVB	256403	584621	61.03%	9.393%
5	8.228	1121	1129	1144	rBV	113629	264166	27.58%	4.244%
6	8.775	1213	1222	1235	rBV	384269	789200	82.39%	12.680%
7	10.269	1466	1476	1485	rBV	509489	896075	93.55%	14.397%
8	11.581	1691	1699	1712	rVB	568540	957886	100.00%	15.390%
9	12.569	1861	1867	1877	rVB	338559	579088	60.45%	9.304%
10	13.516	2021	2028	2036	rBV	555819	880357	91.91%	14.145%
11	14.045	2112	2118	2126	rVB2	34249	54704	5.71%	0.879%

Sum of corrected areas: 6223941

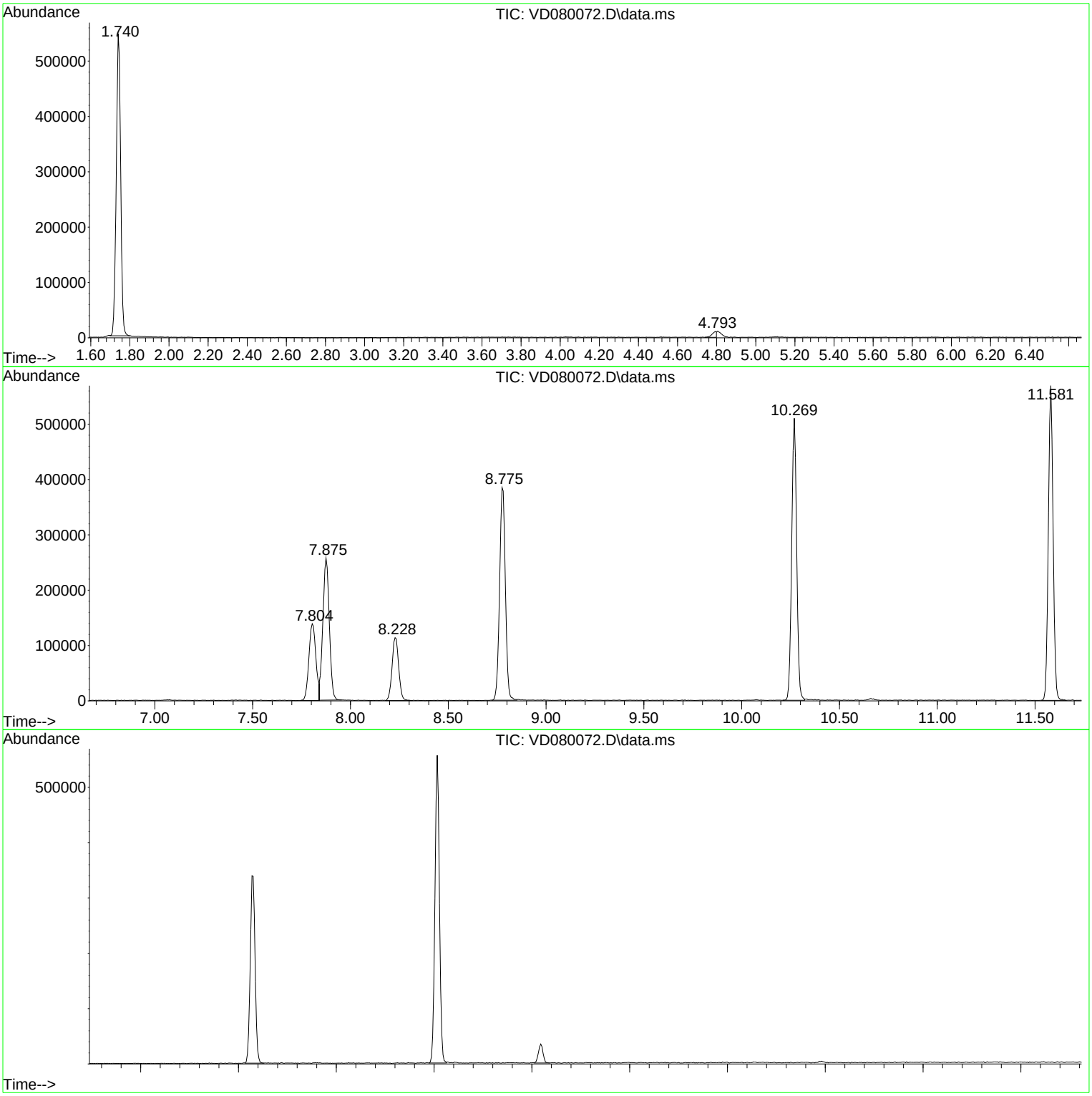
Sample Results: **VD080072.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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_D\Data\VD111824\
Data File : VD080072.D
Acq On : 18 Nov 2024 16:39
Operator : RP/MD
Sample : P4860-01
Misc : 6.22G/5ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Quant Time: Nov 19 04:49:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	219259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	366320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	329102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	97508	43.193	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.380%		
35) Dibromofluoromethane	7.804	113	102655	42.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.220%		
50) Toluene-d8	10.269	98	362809	39.484	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	78.960%		
62) 4-Bromofluorobenzene	12.575	95	107667	35.714	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	71.420%		
Target Compounds						Qvalue
18) Methyl Acetate	4.569	43	5483	5.047	ug/l	98

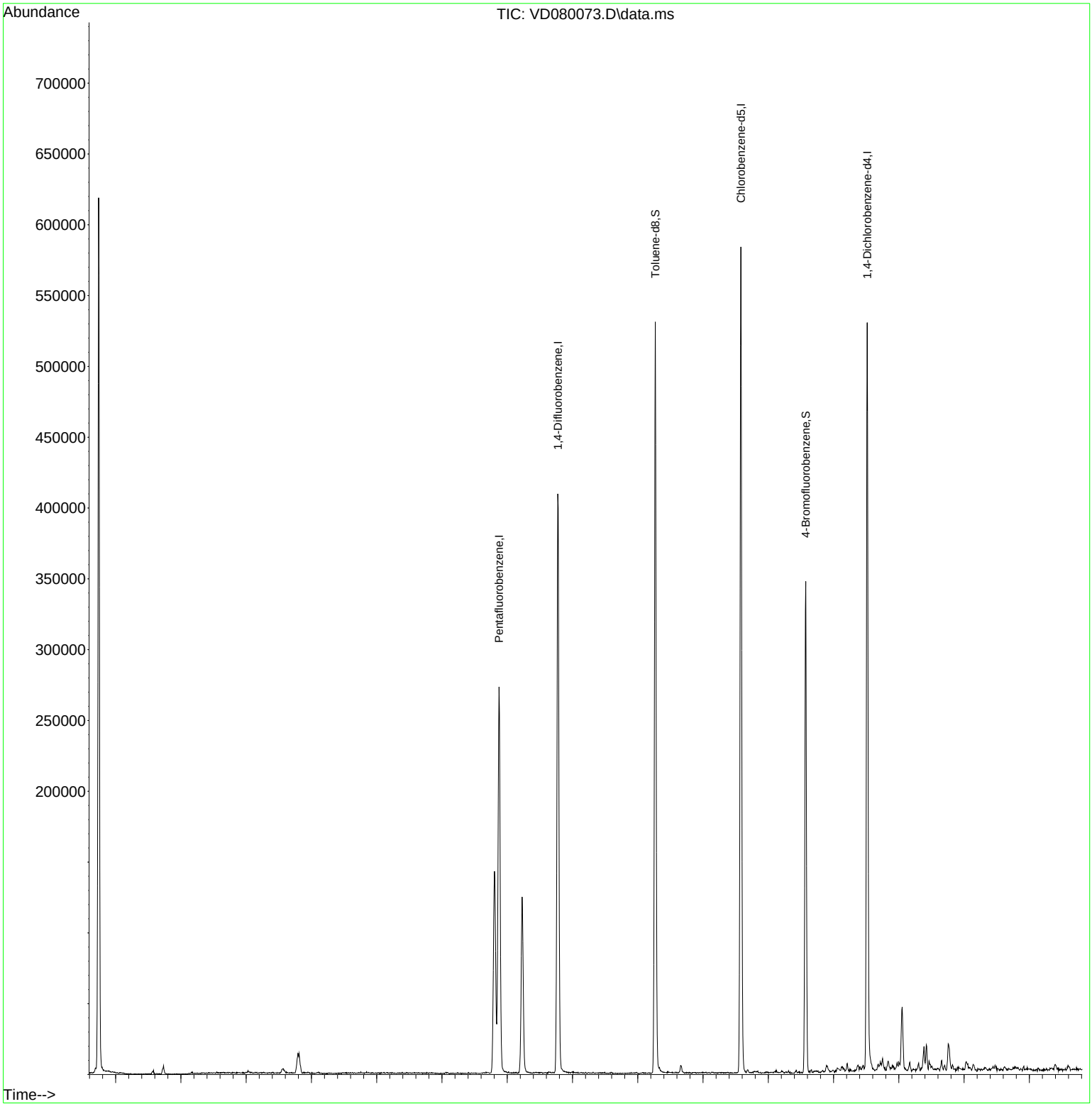
(#) = qualifier out of range (m) = manual integration (+) = signals summed

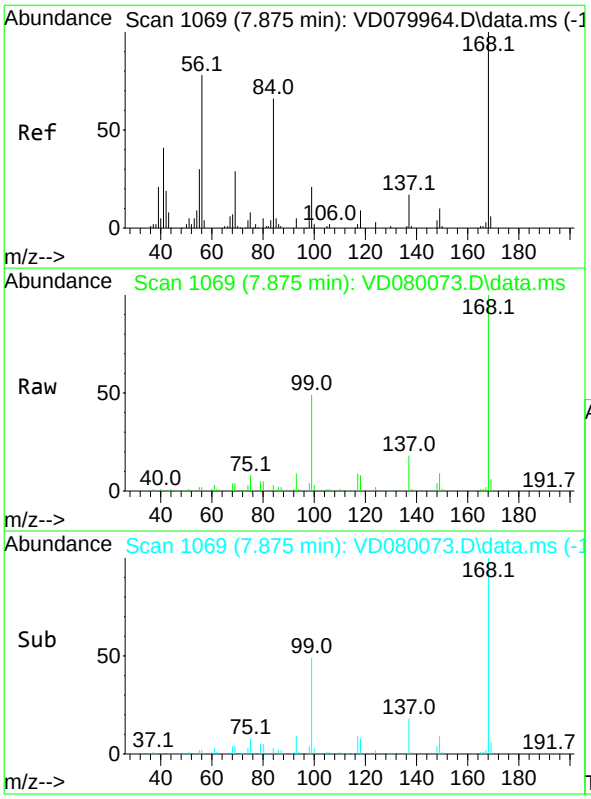
Sample Results: **VD080073.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Quant Time: Nov 19 04:49:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



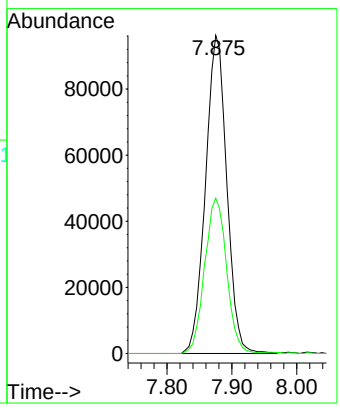


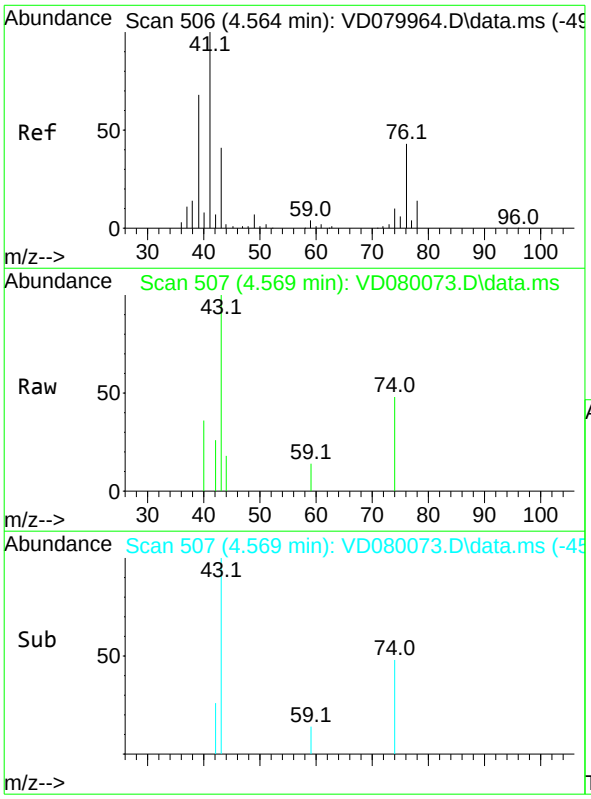
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Tgt Ion:168 Resp: 219259

Ion	Ratio	Lower	Upper
168	100		
99	48.9	46.0	69.0

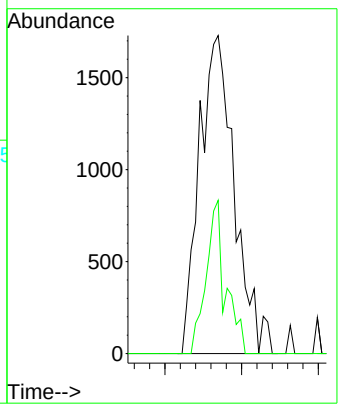


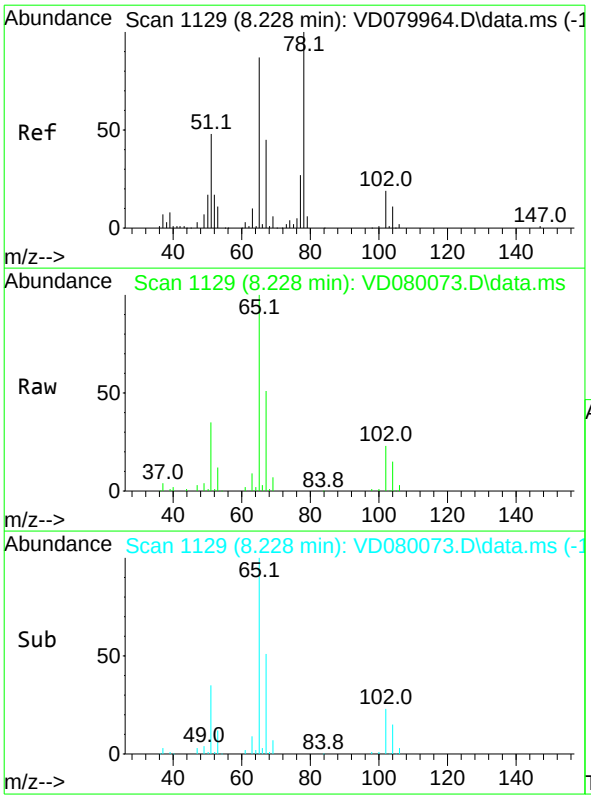


#18
Methyl Acetate
Concen: 5.047 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.005 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion: 43 Resp: 5483

Ion	Ratio	Lower	Upper
43	100		
74	26.4	20.5	30.7



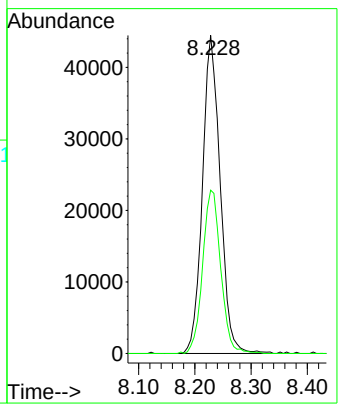


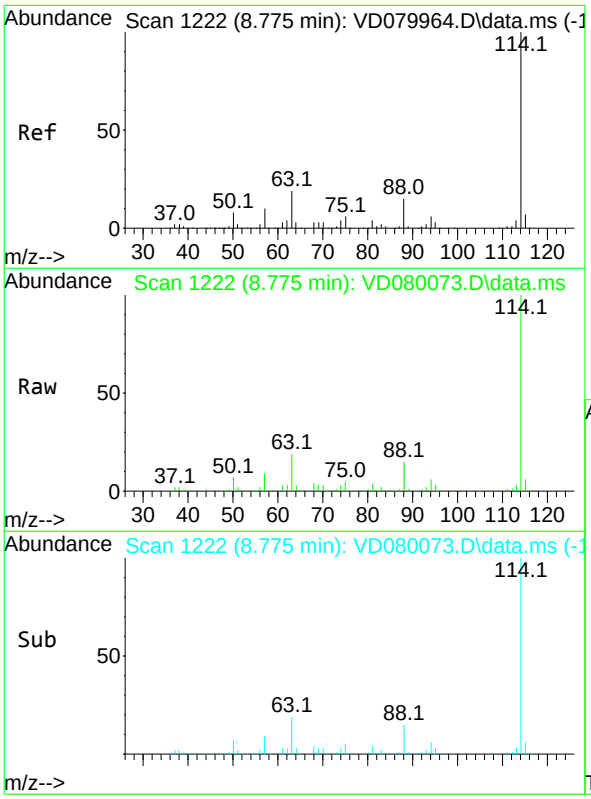
#33
1,2-Dichloroethane-d4
Concen: 43.193 ug/l
RT: 8.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Tgt Ion: 65 Resp: 97508

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	109.2

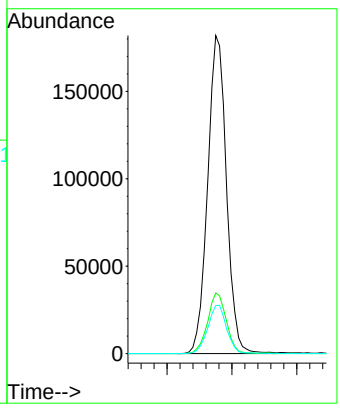


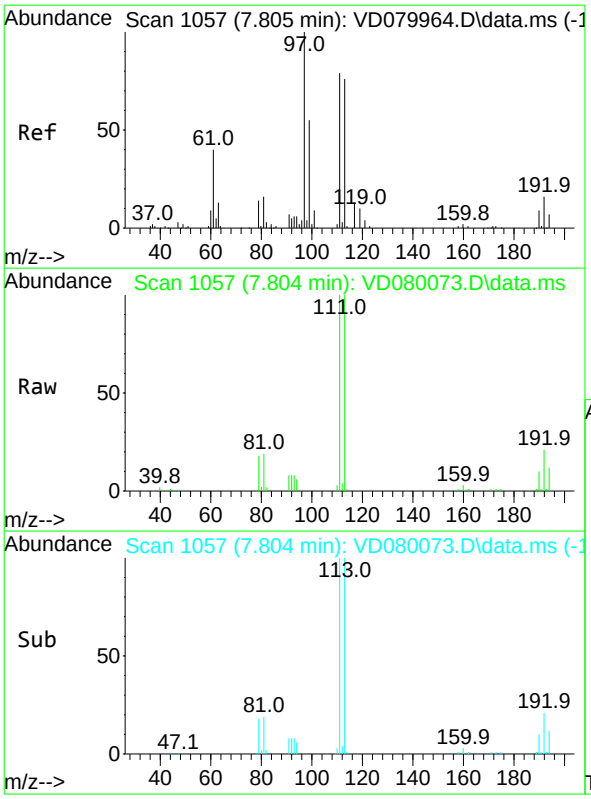


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion:114 Resp: 366320

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.8
88	15.1	0.0	30.6



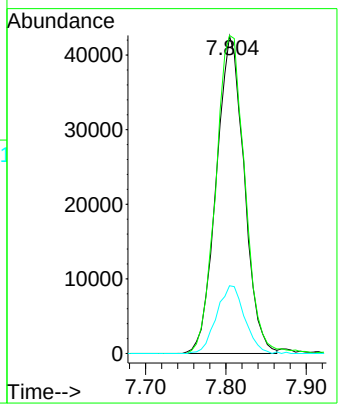


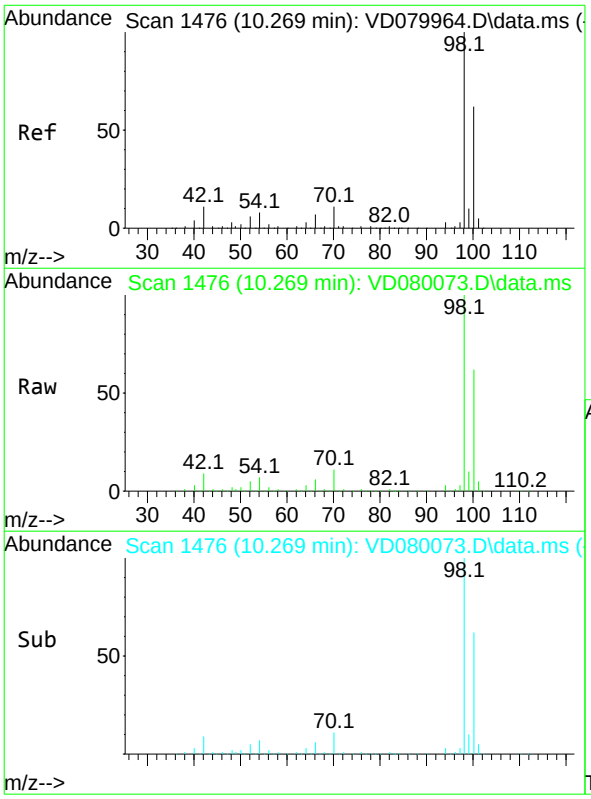
#35
Dibromofluoromethane
Concen: 42.107 ug/l
RT: 7.804 min Scan# 10
Delta R.T. -0.001 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Tgt Ion:113 Resp: 102655

Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.5	123.7
192	21.6	16.6	25.0

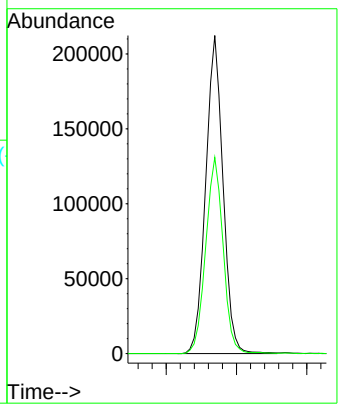


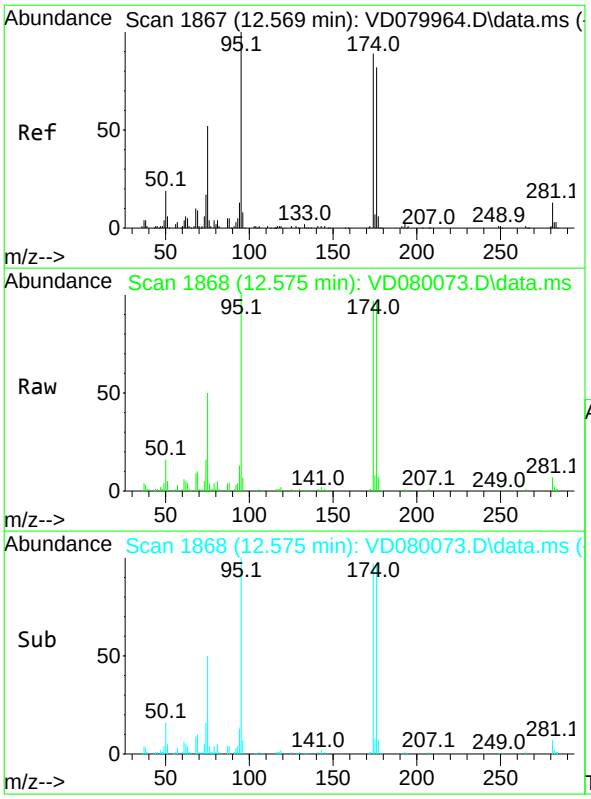


#50
Toluene-d8
Concen: 39.484 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion: 98 Resp: 362809

Ion	Ratio	Lower	Upper
98	100		
100	62.2	50.2	75.4



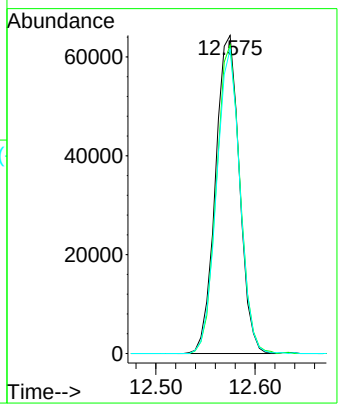


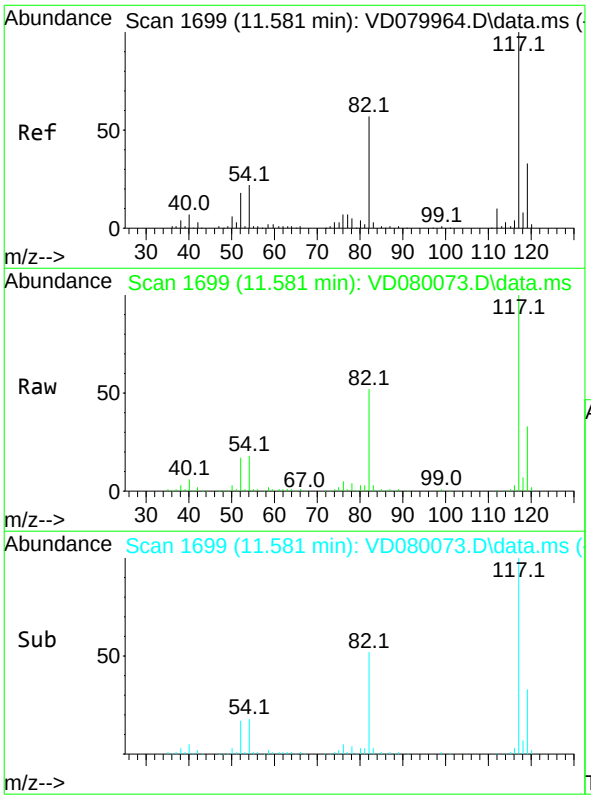
#62
4-Bromofluorobenzene
Concen: 35.714 ug/l
RT: 12.575 min Scan# 18
Delta R.T. 0.006 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Tgt Ion: 95 Resp: 107667

Ion	Ratio	Lower	Upper
95	100		
174	95.6	0.0	173.4
176	93.6	0.0	166.6

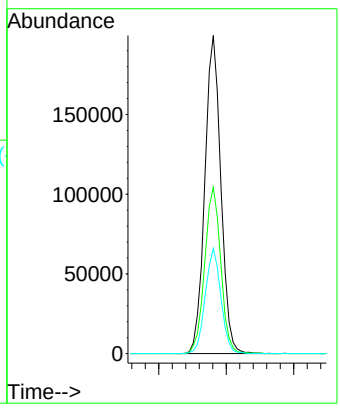


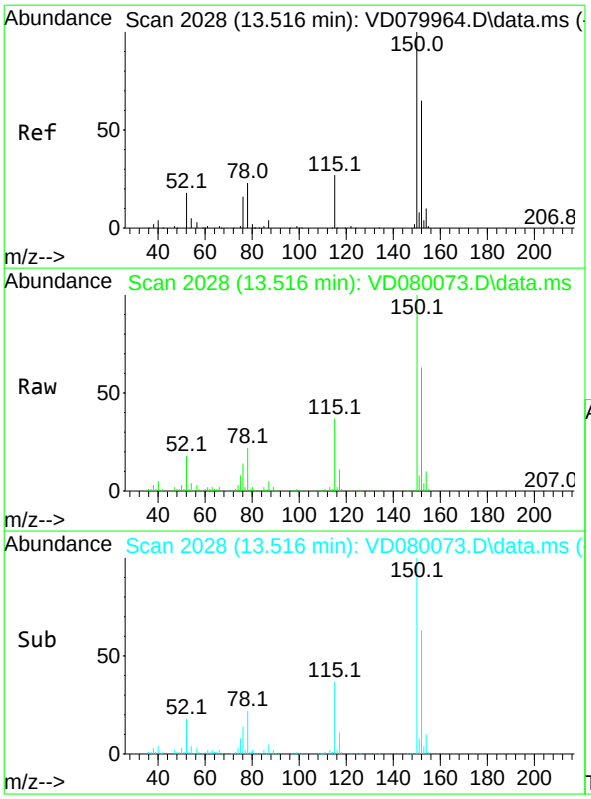


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Tgt Ion:117 Resp: 329102

Ion	Ratio	Lower	Upper
117	100		
82	52.3	45.8	68.6
119	33.1	26.2	39.2



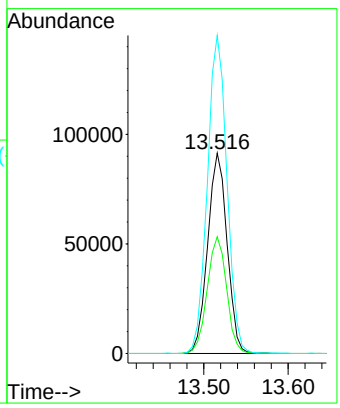


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD080073.D
Acq: 18 Nov 2024 17:06

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Tgt Ion:152 Resp: 146457

Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.8
150	160.2	0.0	354.8



Sample Results: **VD080073.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080073.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	38	rVB	616296	949902	97.74%	14.267%
2	4.793	537	545	547	rBV3	13832	26646	2.74%	0.400%
3	7.804	1047	1057	1063	rBV2	142493	352766	36.30%	5.298%
4	7.875	1063	1069	1083	rVB	272035	614537	63.23%	9.230%
5	8.228	1121	1129	1142	rBV	124054	271735	27.96%	4.081%
6	8.775	1213	1222	1238	rBV	408888	834639	85.88%	12.536%
7	10.269	1468	1476	1486	rBV	530045	920345	94.70%	13.823%
8	10.657	1534	1542	1547	rBV2	5372	9965	1.03%	0.150%
9	11.581	1690	1699	1713	rVB	583151	971889	100.00%	14.597%
10	12.575	1859	1868	1876	rBV	347208	574144	59.08%	8.623%
11	12.892	1916	1922	1931	rBV10	4688	10941	1.13%	0.164%
12	13.516	2021	2028	2045	rVB	527365	886240	91.19%	13.311%
13	13.751	2065	2068	2074	rVB5	7753	11254	1.16%	0.169%
14	13.834	2078	2082	2088	rBV6	6546	12733	1.31%	0.191%
15	14.051	2113	2119	2125	rVB2	43356	81111	8.35%	1.218%
16	14.169	2133	2139	2143	rVB6	6541	10613	1.09%	0.159%
17	14.387	2166	2176	2179	rBV2	17219	30294	3.12%	0.455%
18	14.422	2179	2182	2187	rVB2	17428	24364	2.51%	0.366%
19	14.657	2217	2222	2226	rBV5	7319	11037	1.14%	0.166%
20	14.757	2234	2239	2248	rBV3	18881	42508	4.37%	0.638%
21	15.034	2282	2286	2289	rBV5	5653	10268	1.06%	0.154%

Sum of corrected areas: 6657931

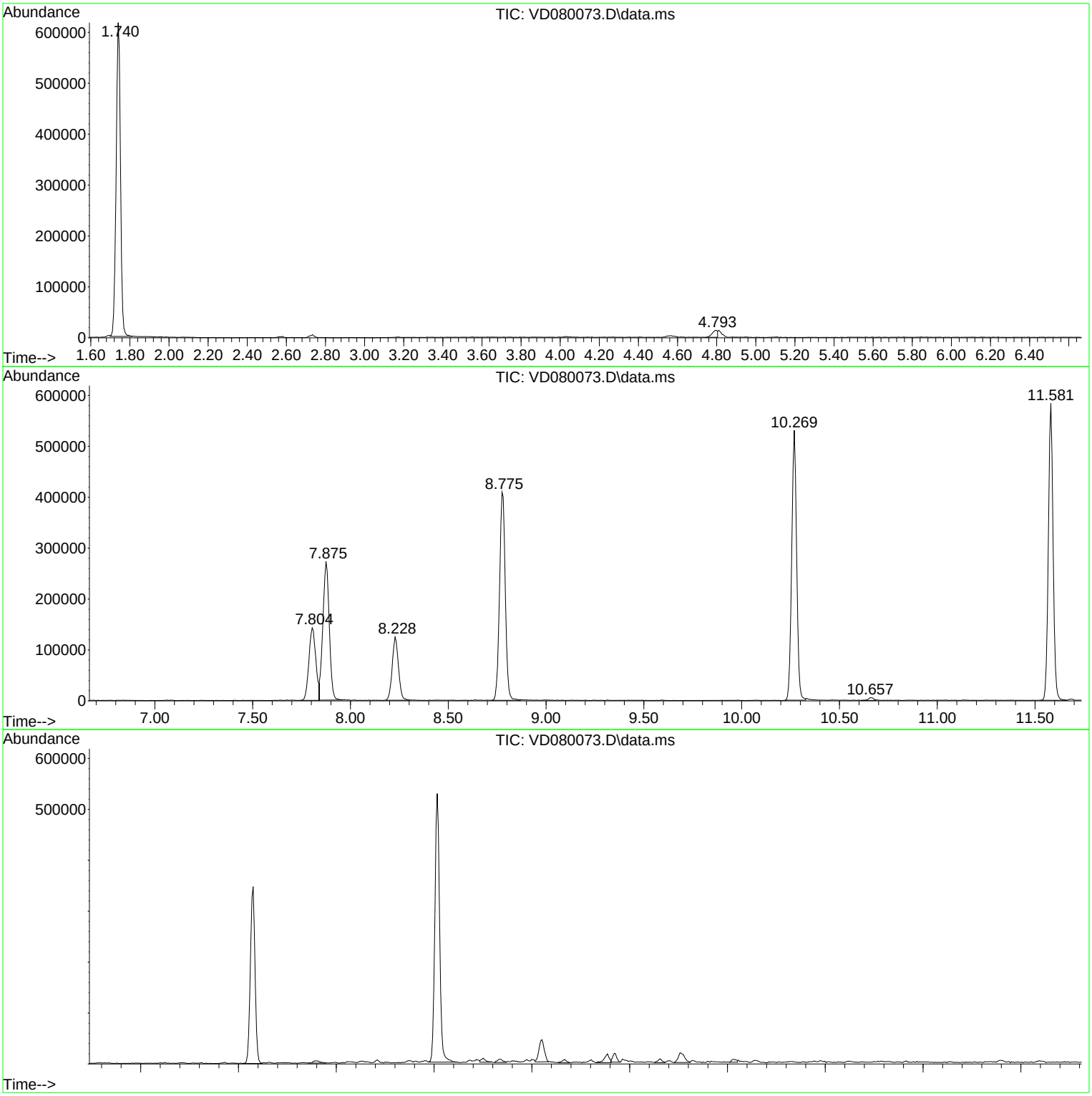
Sample Results: **VD080073.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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_D\Data\VD111824\
Data File : VD080073.D
Acq On : 18 Nov 2024 17:06
Operator : RP/MD
Sample : P4860-02
Misc : 6.44G/5ml/MSVOA_D/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-001

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Quant Time: Nov 21 04:41:26 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	137679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	269671	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	257307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	102362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92673	58.588	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.180%			
35) Dibromofluoromethane	7.634	113	86578	50.068	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.140%			
50) Toluene-d8	10.109	98	333450	48.952	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.900%			
62) 4-Bromofluorobenzene	12.408	95	113373	51.775	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 103.540%			
Target Compounds						Qvalue

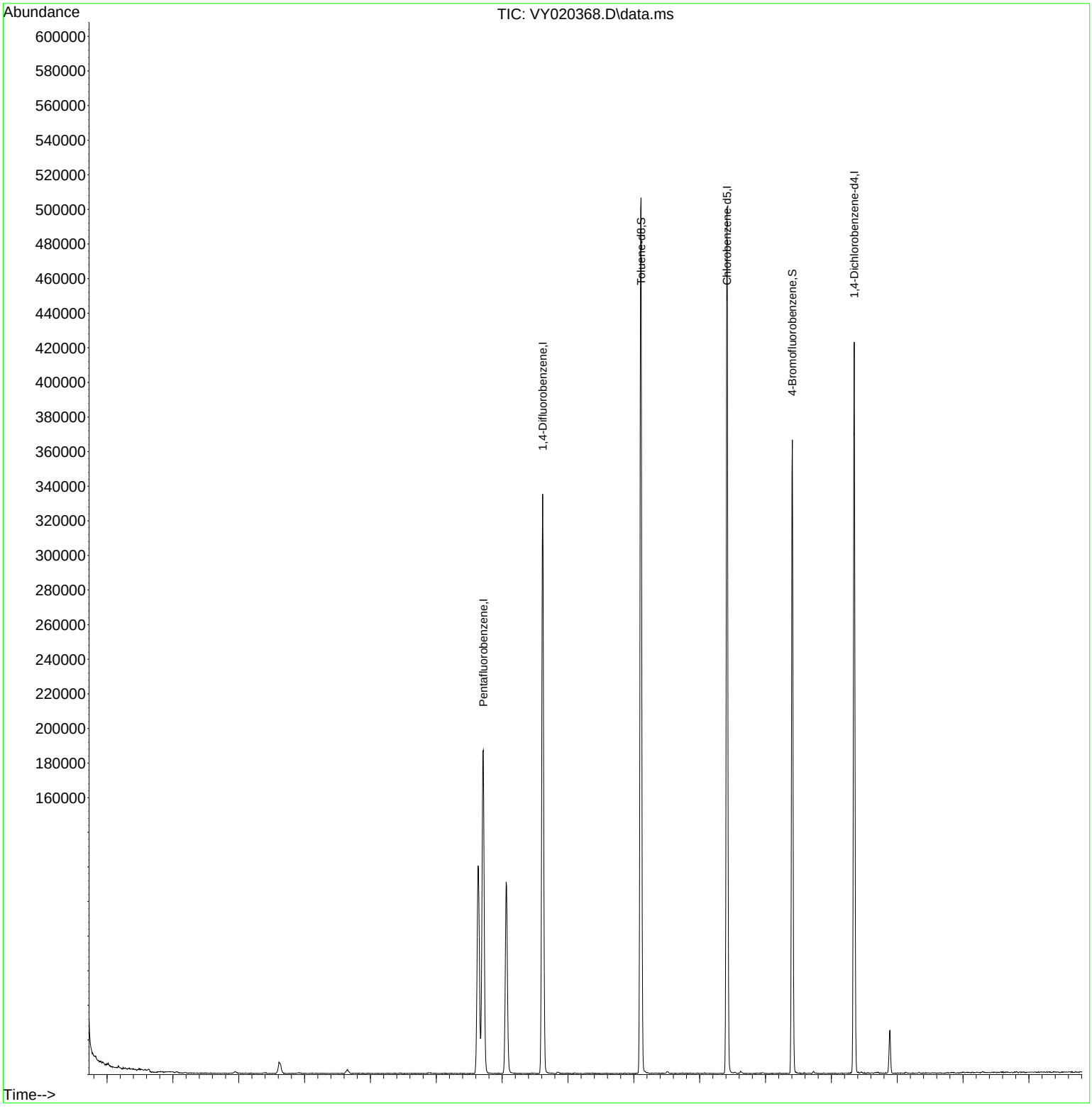
(#) = qualifier out of range (m) = manual integration (+) = signals summed

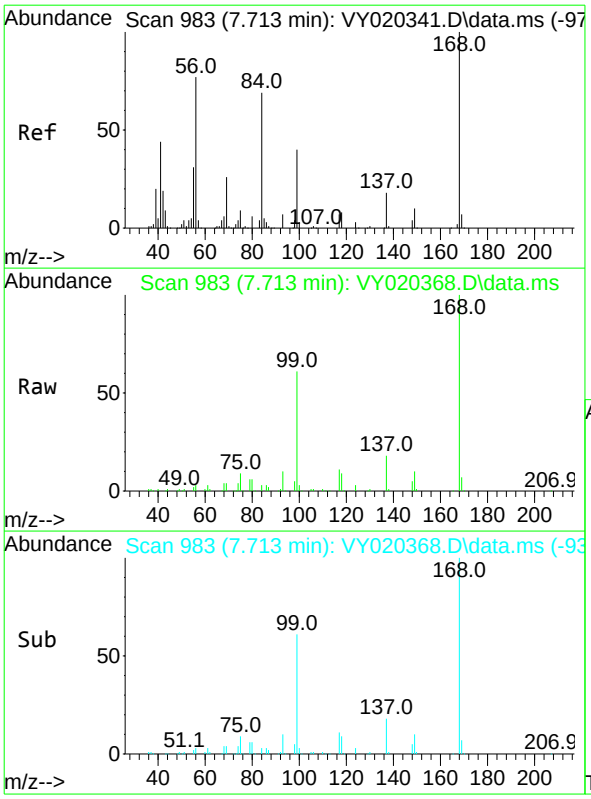
Sample Results: **VY020368.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Quant Time: Nov 21 04:41:26 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



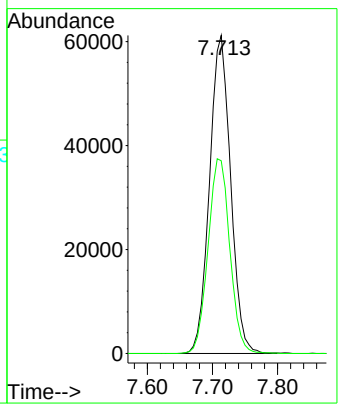


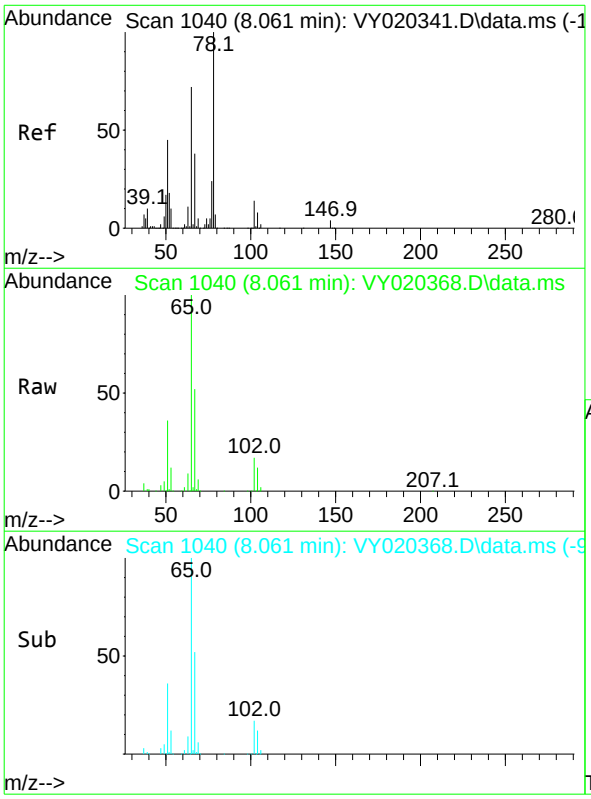
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Tgt Ion:168 Resp: 137679

Ion	Ratio	Lower	Upper
168	100		
99	60.6	46.6	69.8

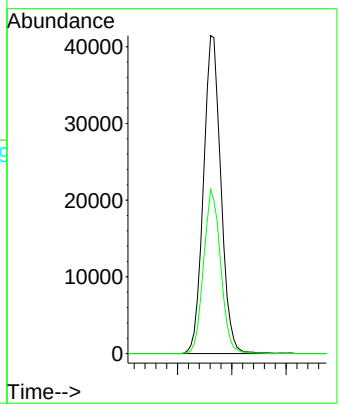


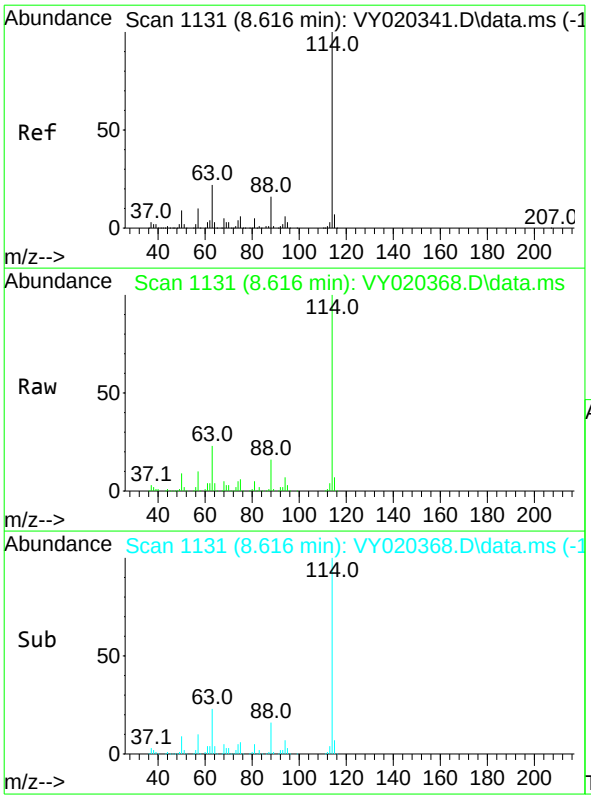


#33
1,2-Dichloroethane-d4
Concen: 58.588 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Tgt Ion: 65 Resp: 92673

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	105.8



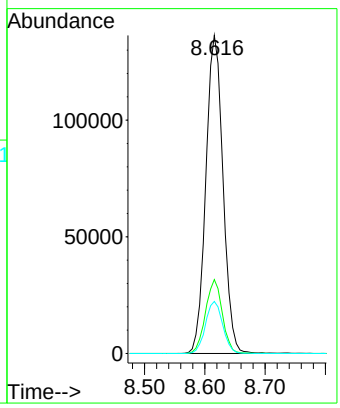


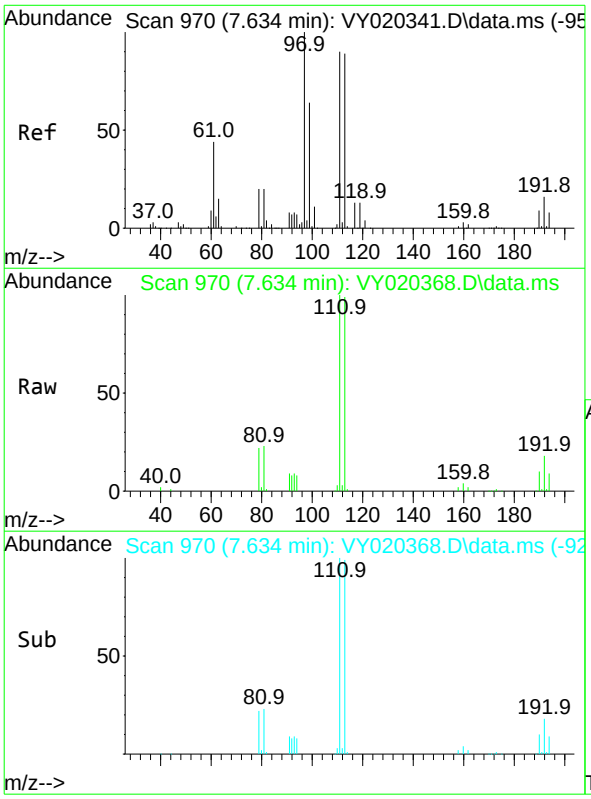
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Tgt Ion:114 Resp: 269671

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	44.8
88	16.4	0.0	32.0

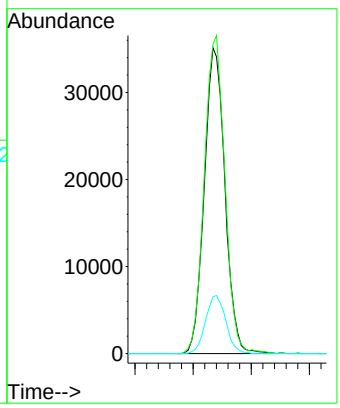




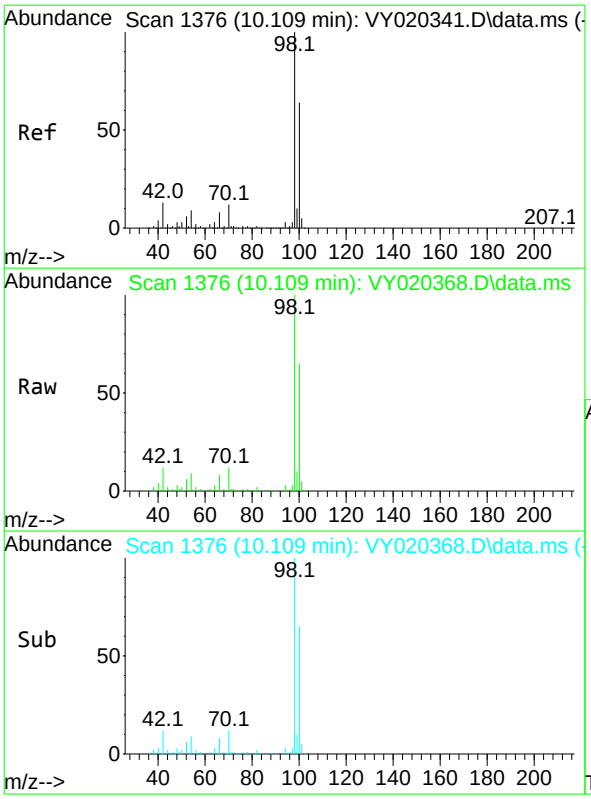
#35
Dibromofluoromethane
Concen: 50.068 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Tgt Ion:113 Resp: 86578

Ion	Ratio	Lower	Upper
113	100		
111	104.1	81.4	122.0
192	18.7	15.1	22.7



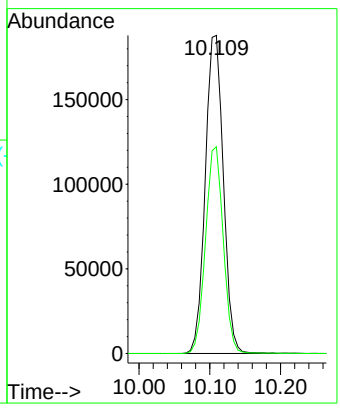
Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

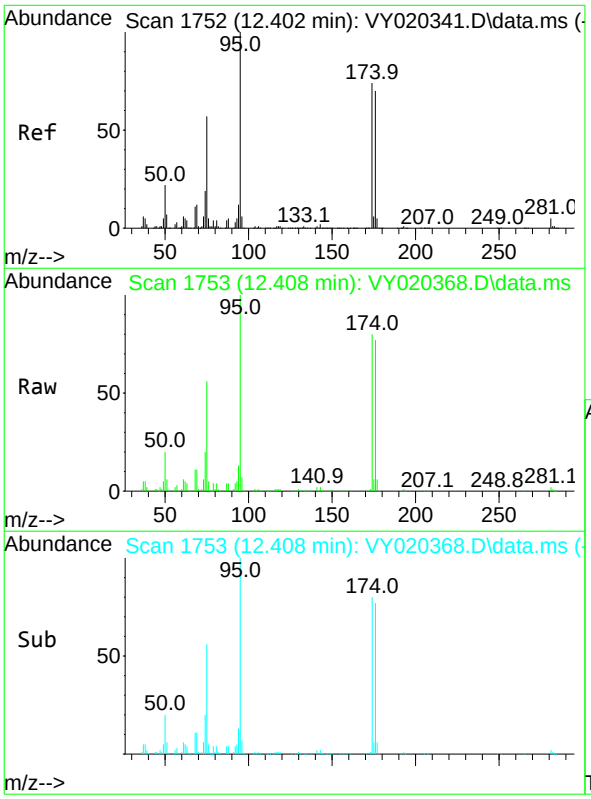


#50
Toluene-d8
Concen: 48.952 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Tgt Ion: 98 Resp: 333450

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9

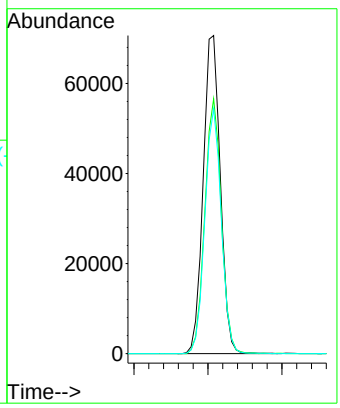


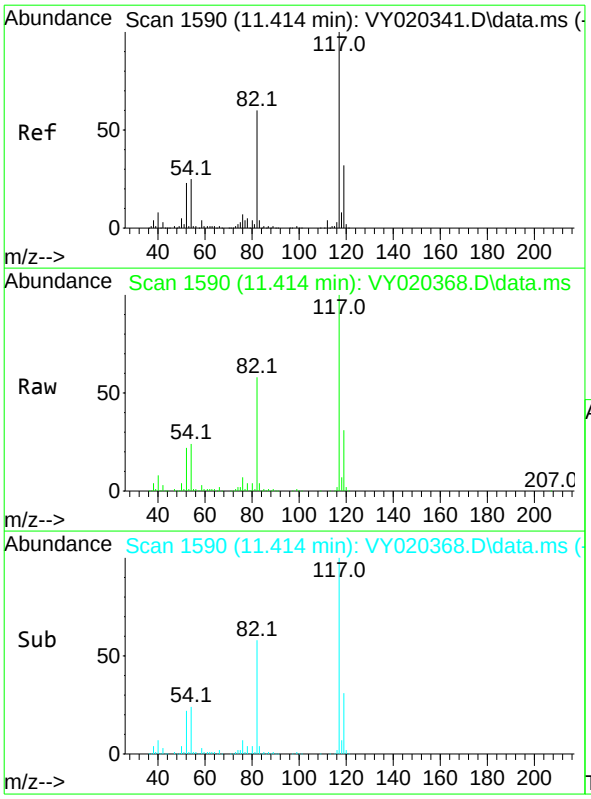


#62
4-Bromofluorobenzene
Concen: 51.775 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Tgt Ion: 95 Resp: 113373

Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	156.8
176	73.9	0.0	152.0



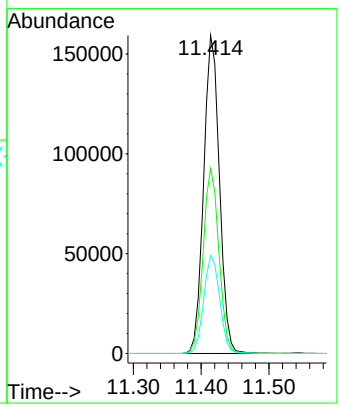


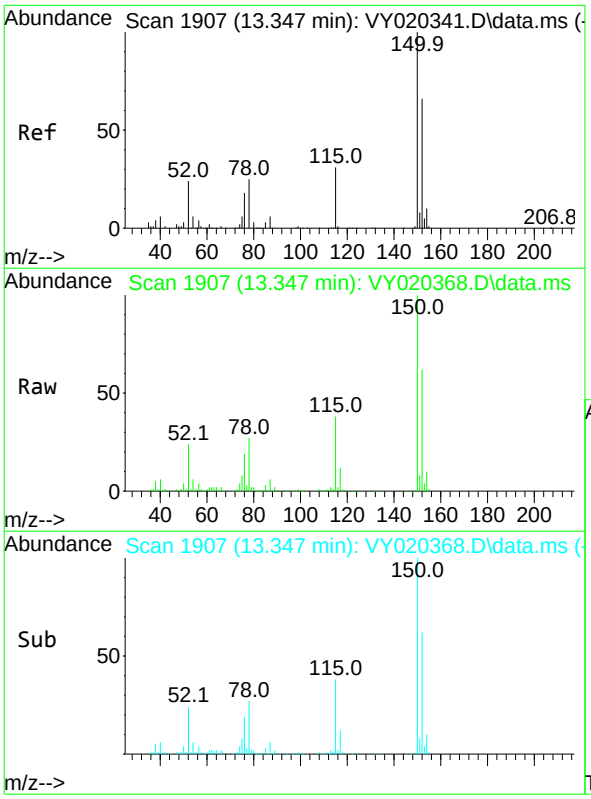
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

Tgt Ion:117 Resp: 257307

Ion	Ratio	Lower	Upper
117	100		
82	58.2	48.2	72.4
119	30.8	25.8	38.8

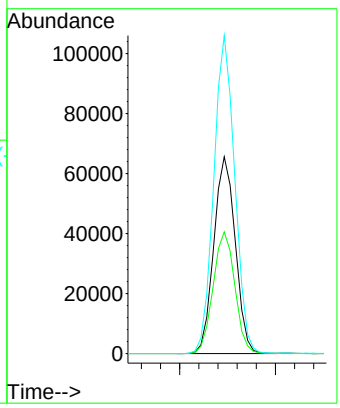




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020368.D
Acq: 20 Nov 2024 18:35

Tgt Ion:152 Resp: 102362

Ion	Ratio	Lower	Upper
152	100		
115	62.3	30.0	90.0
150	157.7	0.0	348.2



LSC Area Percent Report

Sample Results: **VY020368.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

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: VY020368.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	466	474	486	rBV3	6691	20495	2.29%	0.441%
2	7.634	961	970	976	rBV	120170	293680	32.75%	6.320%
3	7.713	976	983	995	rVB	186683	435313	48.54%	9.369%
4	8.061	1029	1040	1052	rBV	110715	247930	27.64%	5.336%
5	8.616	1121	1131	1143	rBV	334886	658606	73.43%	14.174%
6	10.109	1367	1376	1385	rBV	506047	896859	100.00%	19.302%
7	11.414	1582	1590	1604	rBV	500682	813729	90.73%	17.513%
8	12.408	1746	1753	1761	rBV	366039	582648	64.97%	12.540%
9	13.347	1899	1907	1916	rBV	422516	657084	73.27%	14.142%
10	13.889	1987	1996	2003	rBV2	25020	40146	4.48%	0.864%

Sum of corrected areas: 4646490

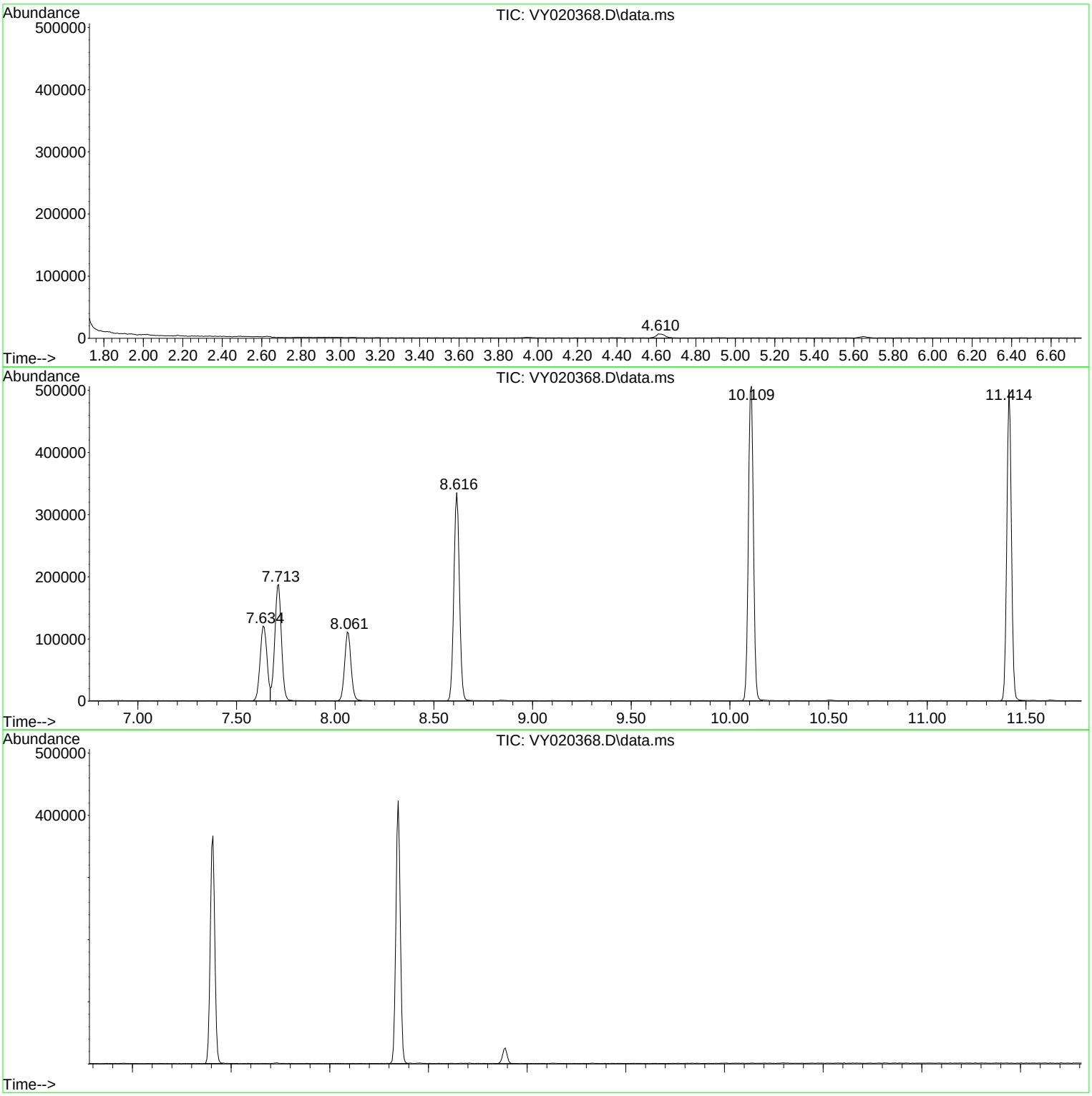
Sample Results: **VY020368.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

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\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

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\VY112024\
Data File : VY020368.D
Acq On : 20 Nov 2024 18:35
Operator : SY/MD
Sample : P4860-03
Misc : 6.20g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-002

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_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Quant Time: Nov 19 04:50:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

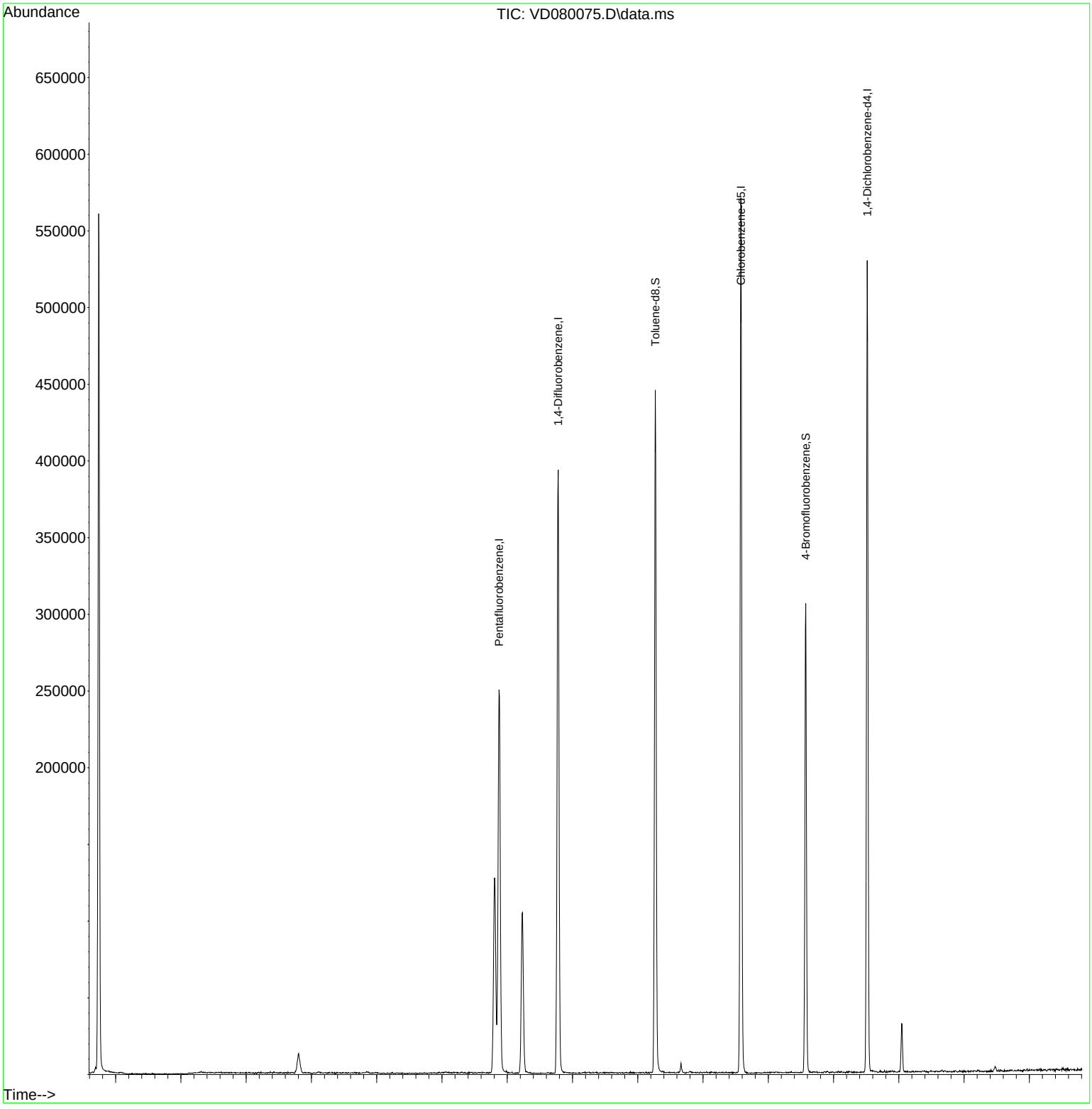
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	207332	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	367976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	150989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84545	39.605	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 79.220%			
35) Dibromofluoromethane	7.804	113	94139	38.440	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 76.880%			
50) Toluene-d8	10.269	98	314551	34.078	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 68.160%			
62) 4-Bromofluorobenzene	12.575	95	92979	30.703	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 61.400%			
Target Compounds						Qvalue

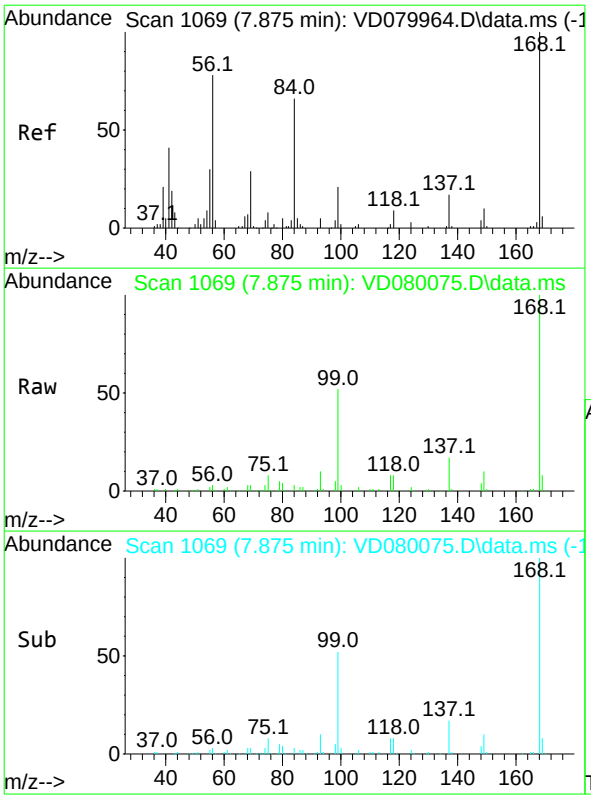
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Quant Time: Nov 19 04:50:00 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



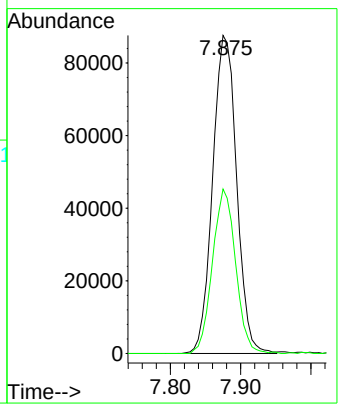


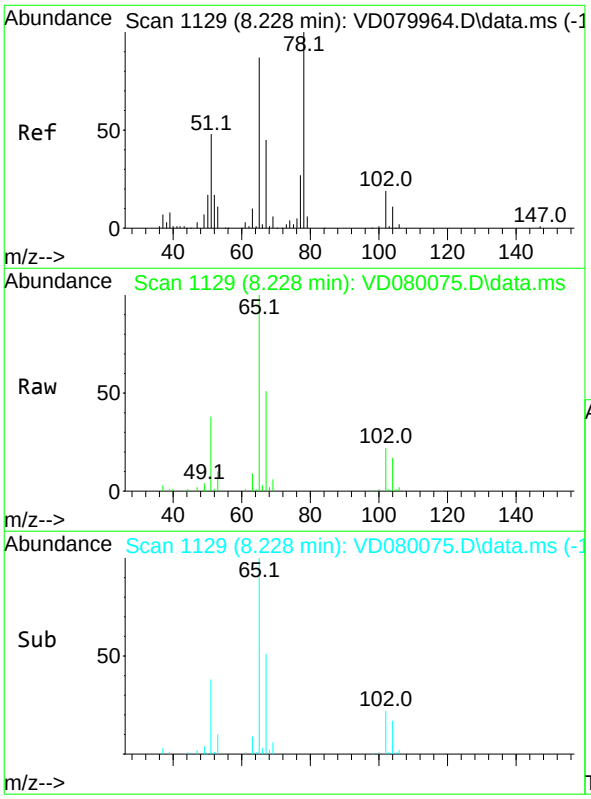
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Tgt Ion:168 Resp: 207332

Ion	Ratio	Lower	Upper
168	100		
99	51.7	46.0	69.0

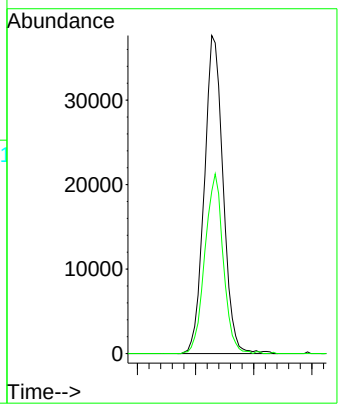


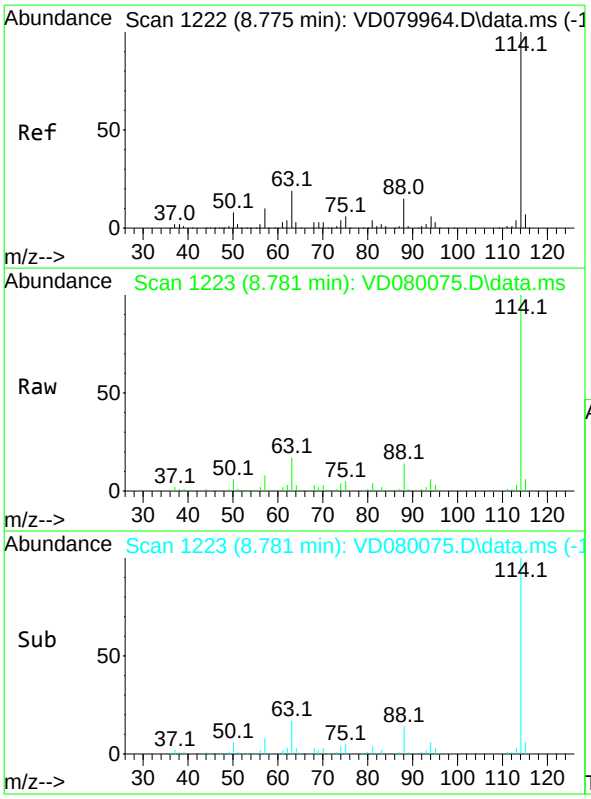


#33
1,2-Dichloroethane-d4
Concen: 39.605 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Tgt Ion: 65 Resp: 84545

Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	109.2



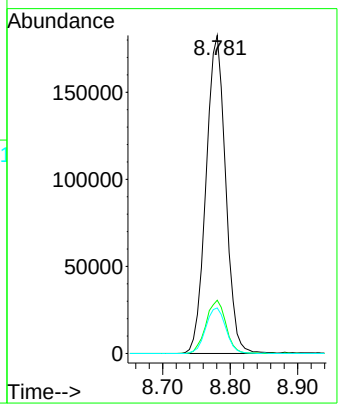


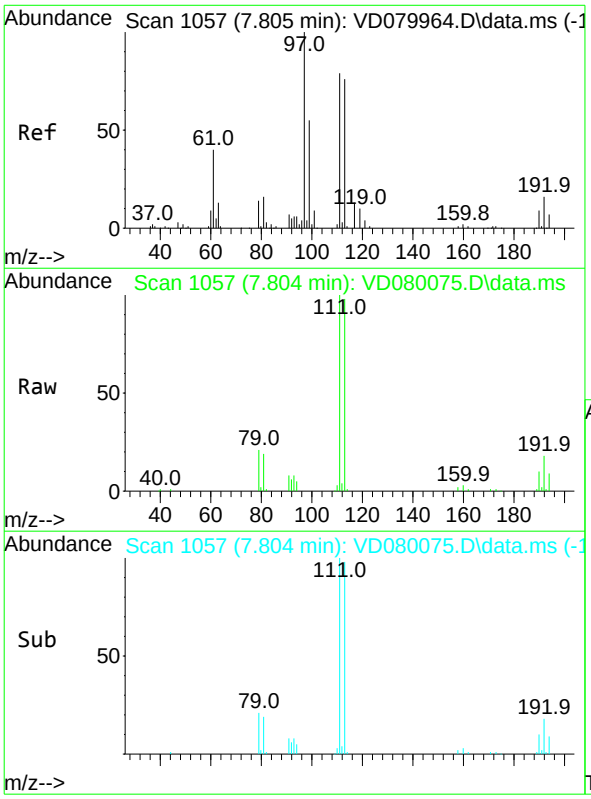
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Tgt Ion:114 Resp: 367976

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	38.8
88	14.3	0.0	30.6

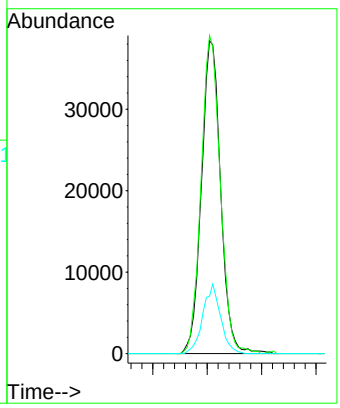




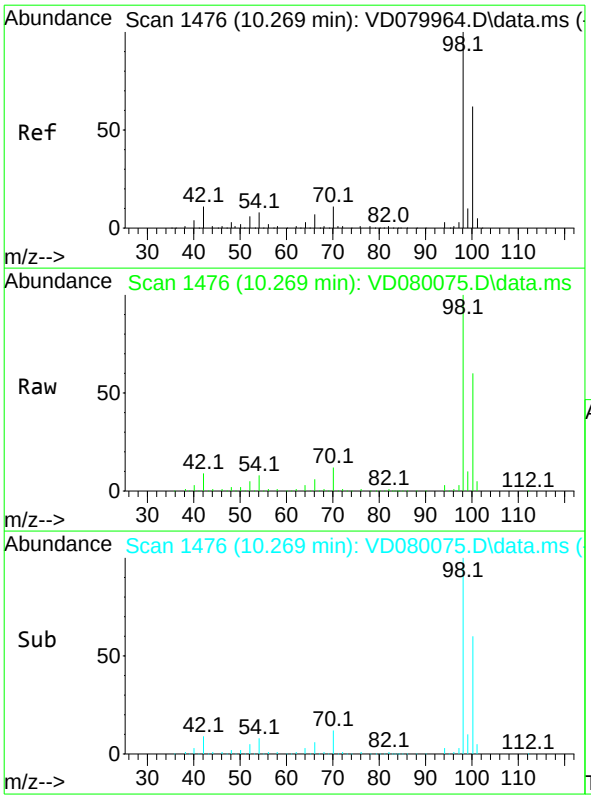
#35
Dibromofluoromethane
Concen: 38.440 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Tgt Ion:113 Resp: 94139

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.5	123.7
192	20.5	16.6	25.0



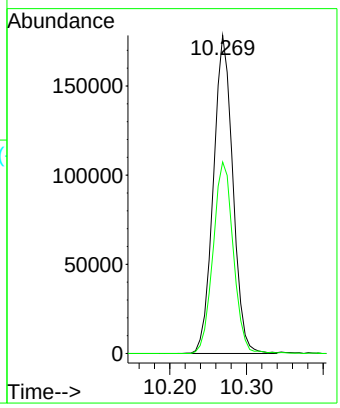
Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

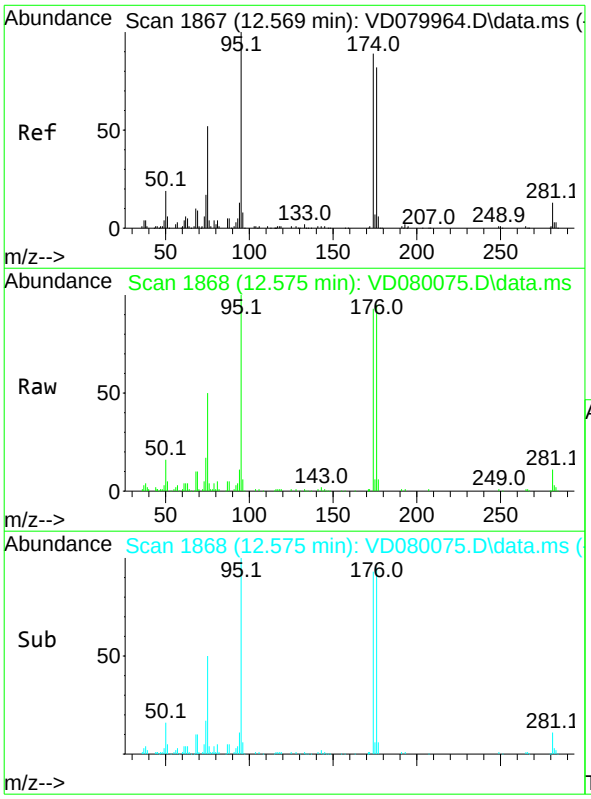


#50
Toluene-d8
Concen: 34.078 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Tgt Ion: 98 Resp: 314551

Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.2	75.4

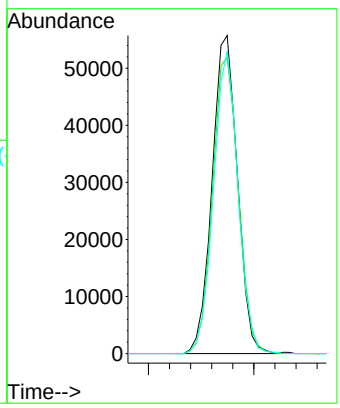


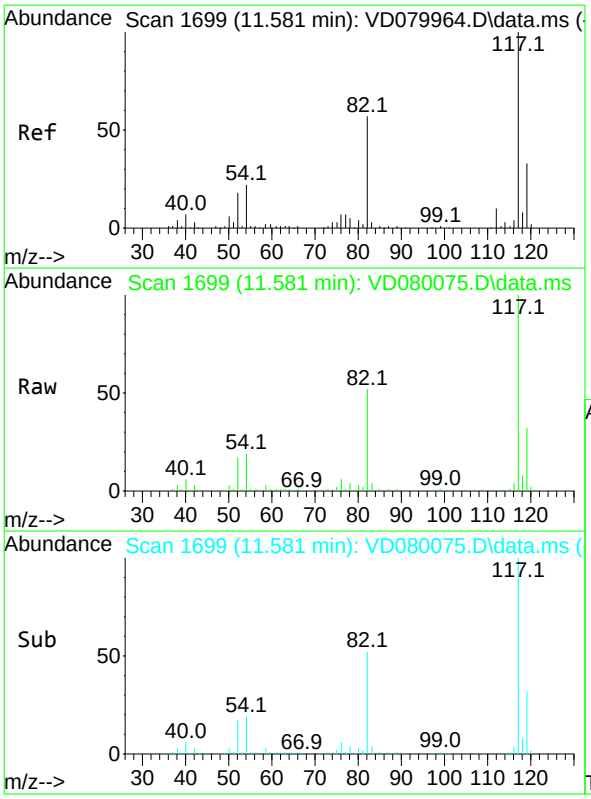


#62
4-Bromofluorobenzene
Concen: 30.703 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Tgt Ion: 95 Resp: 92979

Ion	Ratio	Lower	Upper
95	100		
174	94.8	0.0	173.4
176	91.9	0.0	166.6



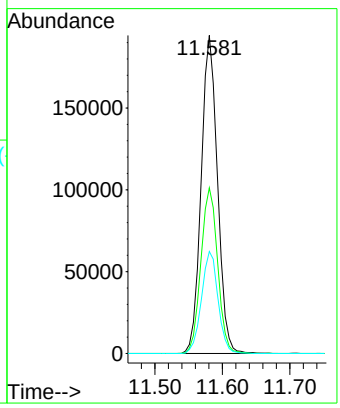


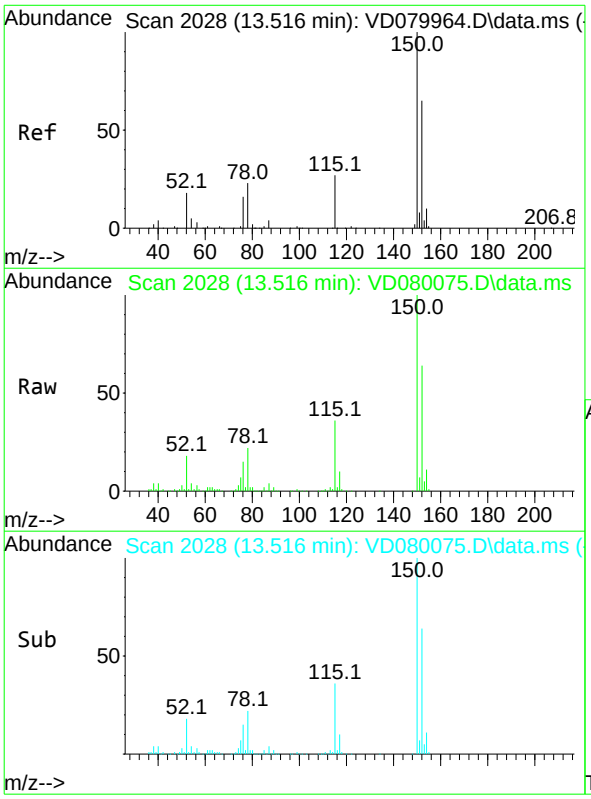
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 16
Delta R.T. -0.000 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Tgt Ion:117 Resp: 326426

Ion	Ratio	Lower	Upper
117	100		
82	52.1	45.8	68.6
119	32.1	26.2	39.2

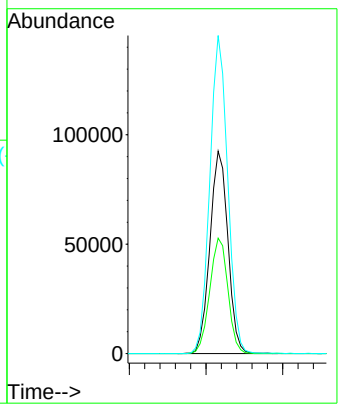




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080075.D
Acq: 18 Nov 2024 18:00

Tgt Ion:152 Resp: 150989

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.9	86.8
150	155.6	0.0	354.8



Sample Results: **VD080075.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080075.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	45	rVB	559274	880011	91.71%	14.520%
2	4.805	537	547	560	rBV2	13008	39434	4.11%	0.651%
3	7.804	1047	1057	1063	rBV2	127236	313111	32.63%	5.166%
4	7.875	1063	1069	1084	rVB	249031	588907	61.37%	9.717%
5	8.234	1119	1130	1140	rBV2	104842	240801	25.10%	3.973%
6	8.781	1214	1223	1236	rBV	393387	800537	83.43%	13.209%
7	10.269	1468	1476	1493	rBV	444924	806645	84.07%	13.310%
8	11.581	1689	1699	1710	rBV	570480	959546	100.00%	15.833%
9	12.575	1858	1868	1880	rBV	305845	514075	53.57%	8.482%
10	13.516	2019	2028	2037	rBV	529550	868602	90.52%	14.332%
11	14.045	2112	2118	2124	rBV2	31710	48920	5.10%	0.807%

Sum of corrected areas: 6060589

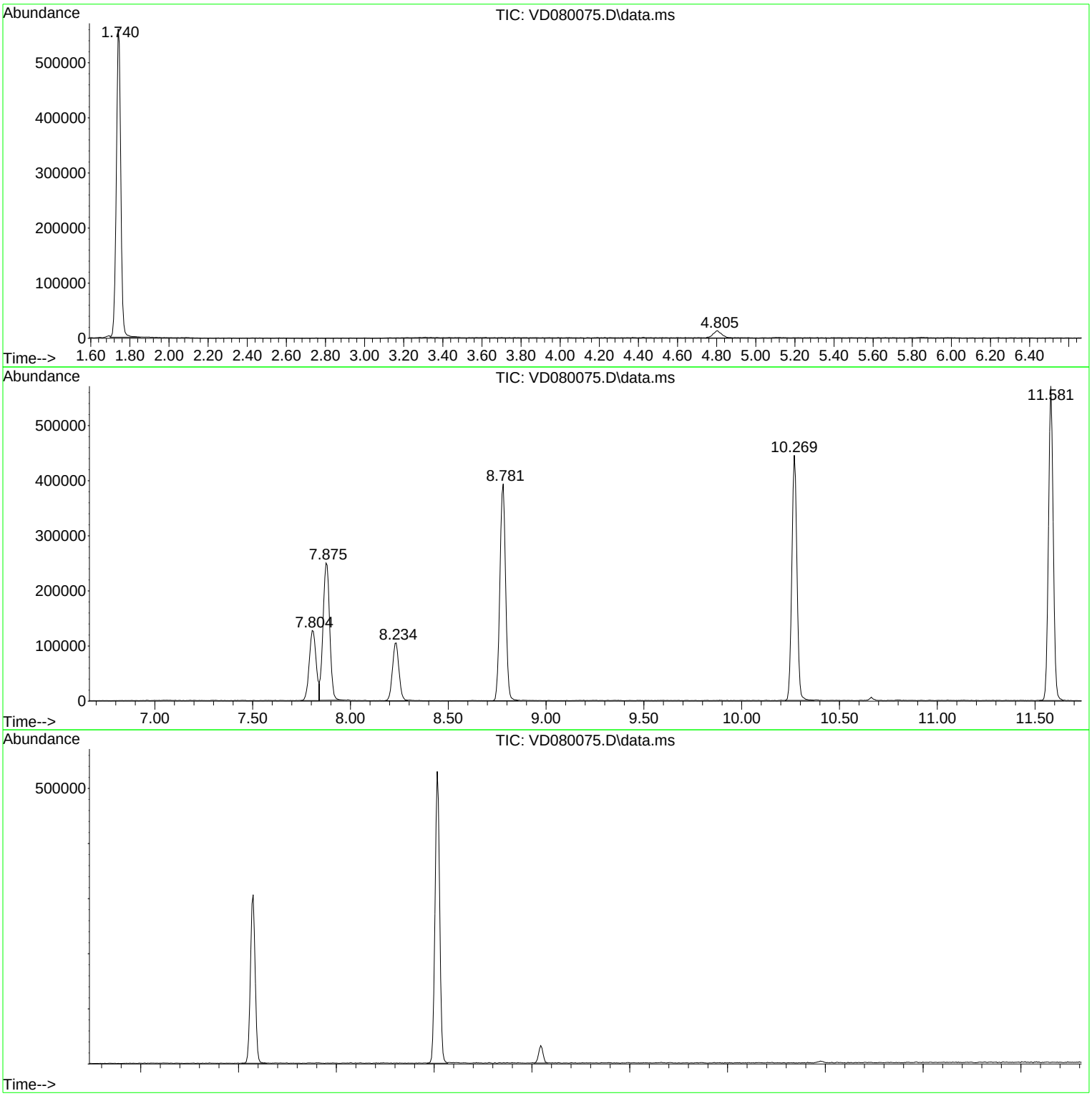
Sample Results: **VD080075.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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_D\Data\VD111824\
Data File : VD080075.D
Acq On : 18 Nov 2024 18:00
Operator : RP/MD
Sample : P4860-04
Misc : 6.28G/5ml/MSVOA_D/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-003

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Quant Time: Nov 19 04:50:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	200921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.780	114	364222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	324341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	143861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.233	65	84226	40.715	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 81.420%			
35) Dibromofluoromethane	7.810	113	91562	37.773	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 75.540%			
50) Toluene-d8	10.269	98	290784	31.828	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 63.660%			
62) 4-Bromofluorobenzene	12.574	95	91664	30.581	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 61.160%			
Target Compounds						Qvalue

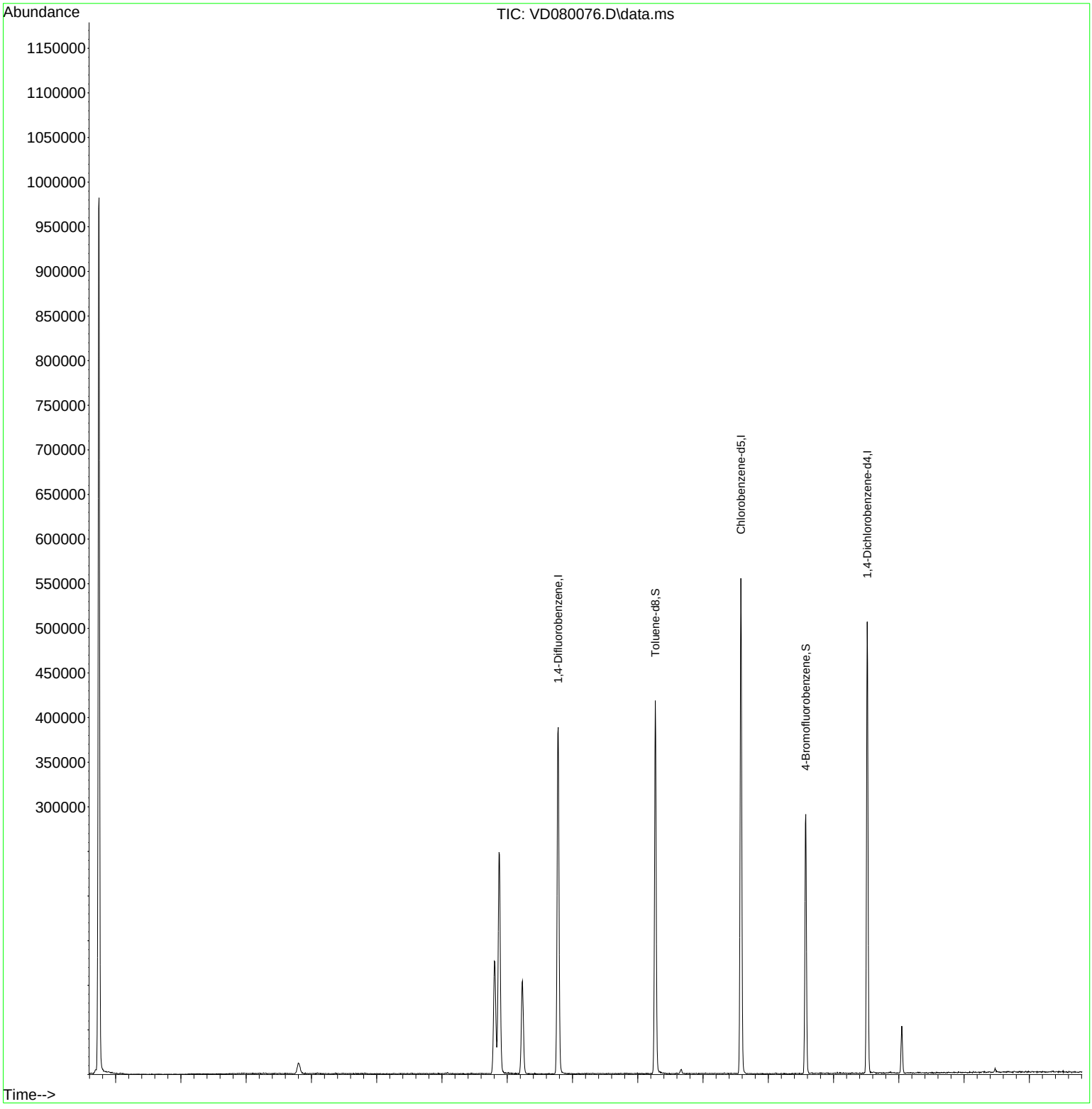
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VD080076.D**

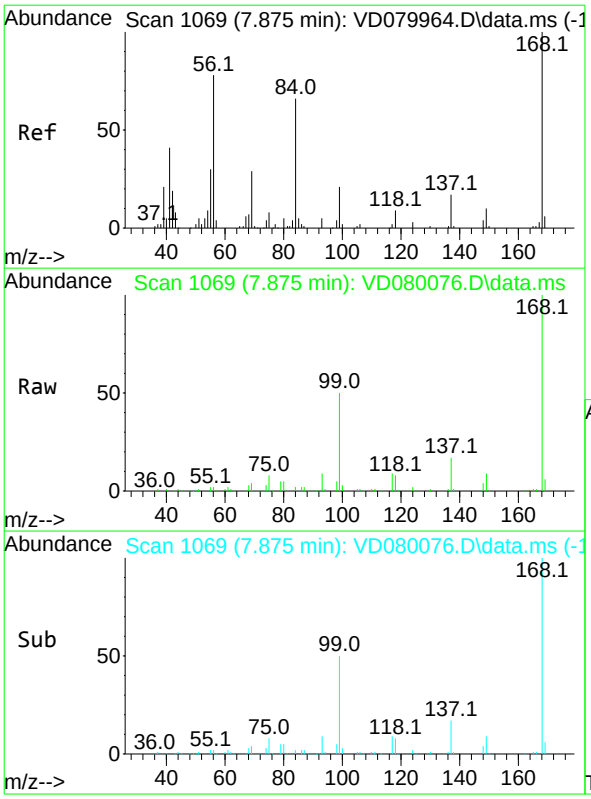
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Quant Time: Nov 19 04:50:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



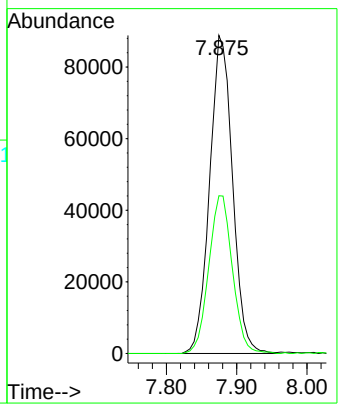
Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

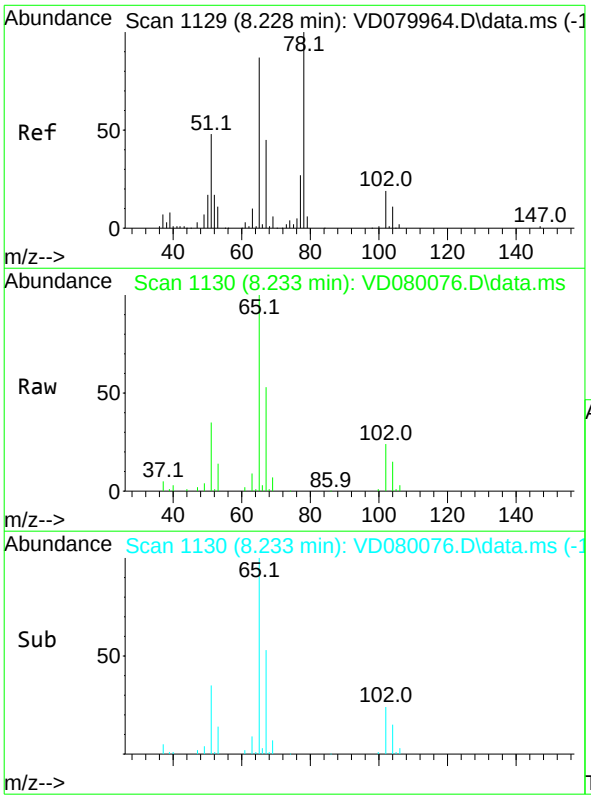


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Tgt Ion:168 Resp: 200921

Ion	Ratio	Lower	Upper
168	100		
99	49.6	46.0	69.0

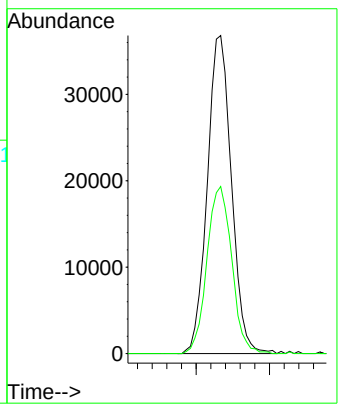


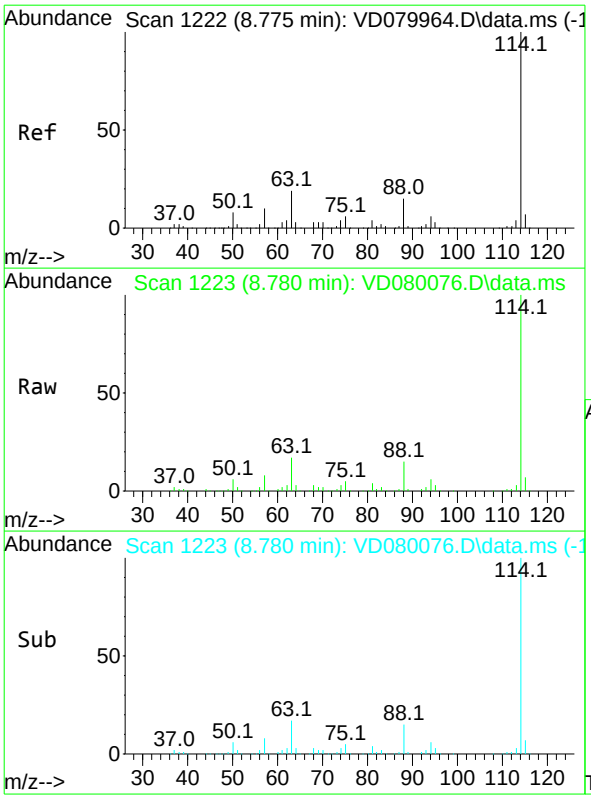


#33
1,2-Dichloroethane-d4
Concen: 40.715 ug/l
RT: 8.233 min Scan# 1130
Delta R.T. 0.005 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Tgt Ion: 65 Resp: 84226

Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	109.2



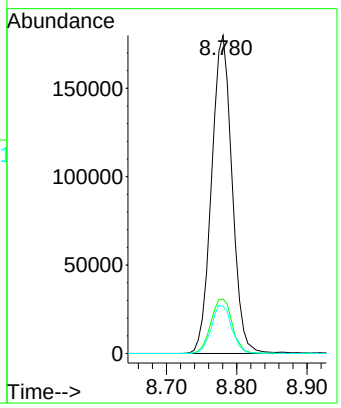


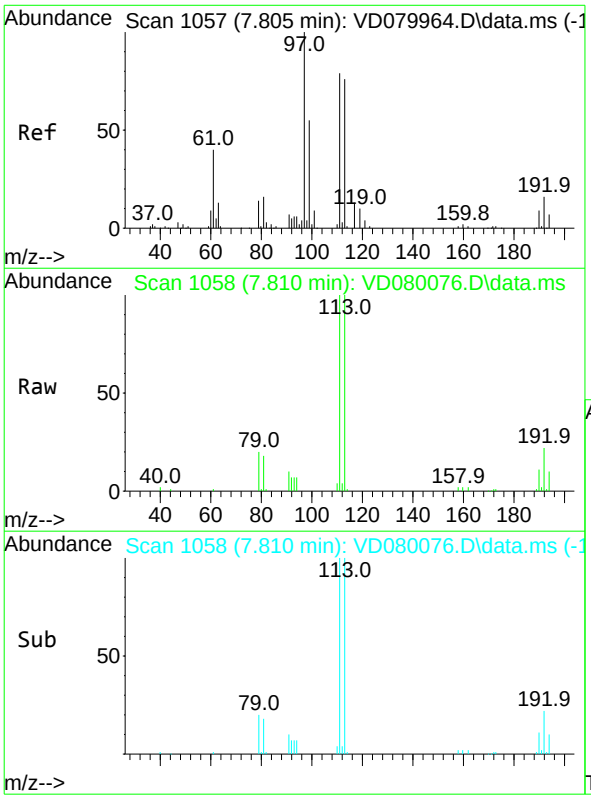
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.780 min Scan# 12
Delta R.T. 0.005 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Tgt Ion:114 Resp: 364222

Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	38.8
88	14.8	0.0	30.6

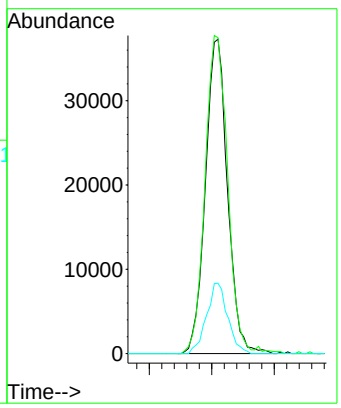


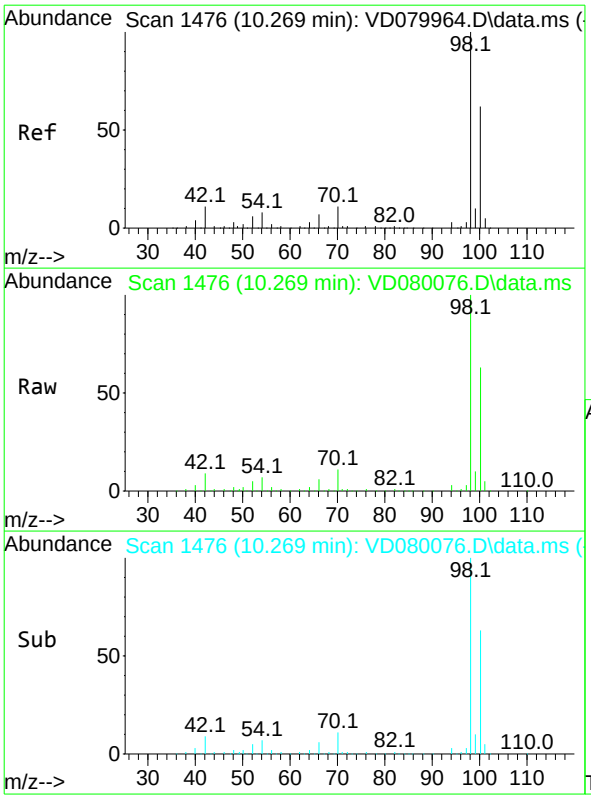


#35
Dibromofluoromethane
Concen: 37.773 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.005 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Tgt Ion:113 Resp: 91562

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.5	123.7
192	21.4	16.6	25.0



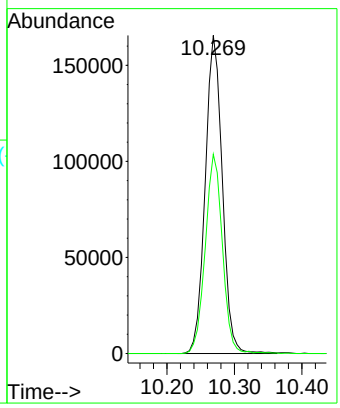


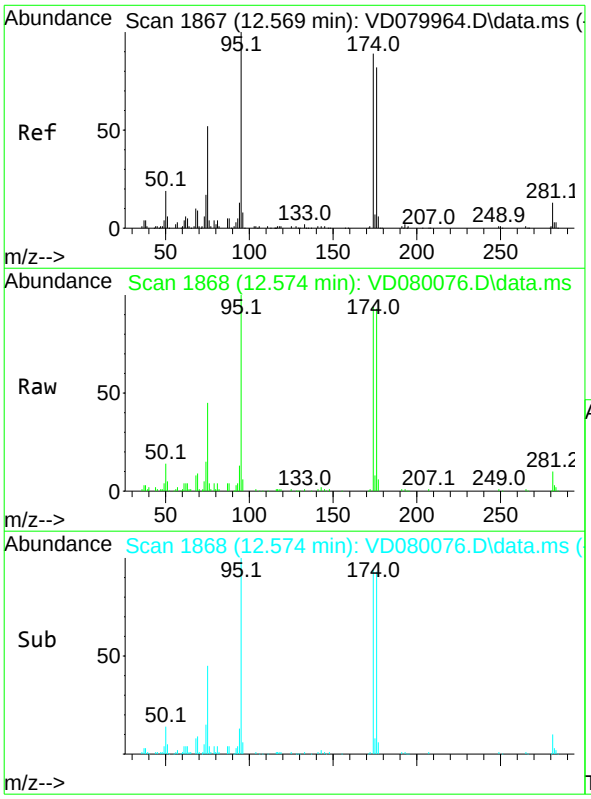
#50
Toluene-d8
Concen: 31.828 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Tgt Ion: 98 Resp: 290784

Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.2	75.4

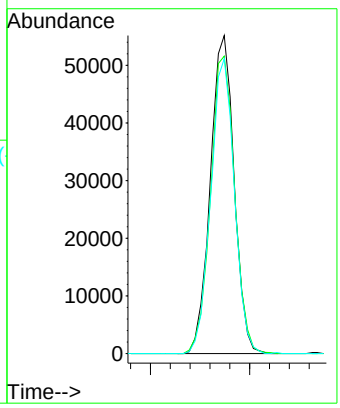


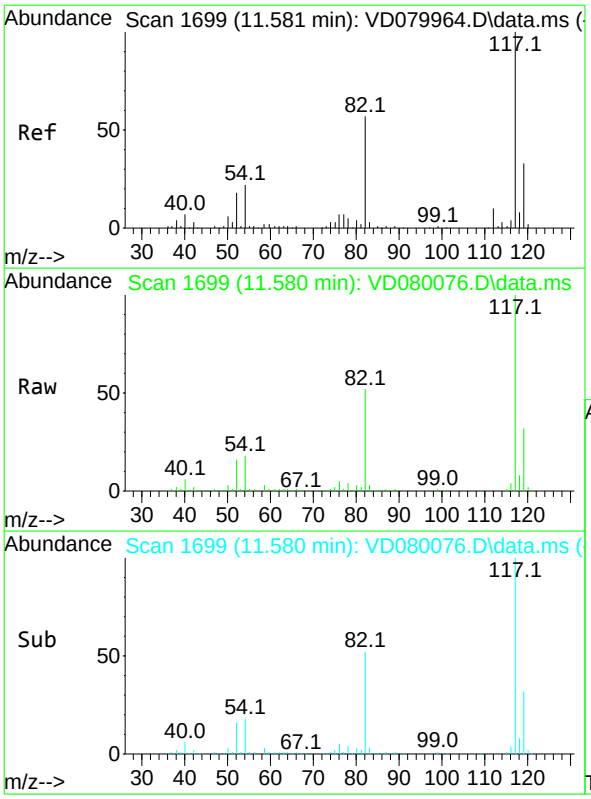


#62
4-Bromofluorobenzene
Concen: 30.581 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. 0.005 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Tgt Ion: 95 Resp: 91664

Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	173.4
176	92.0	0.0	166.6



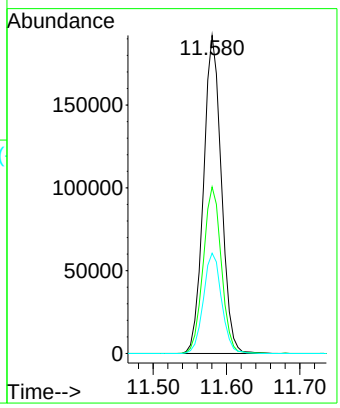


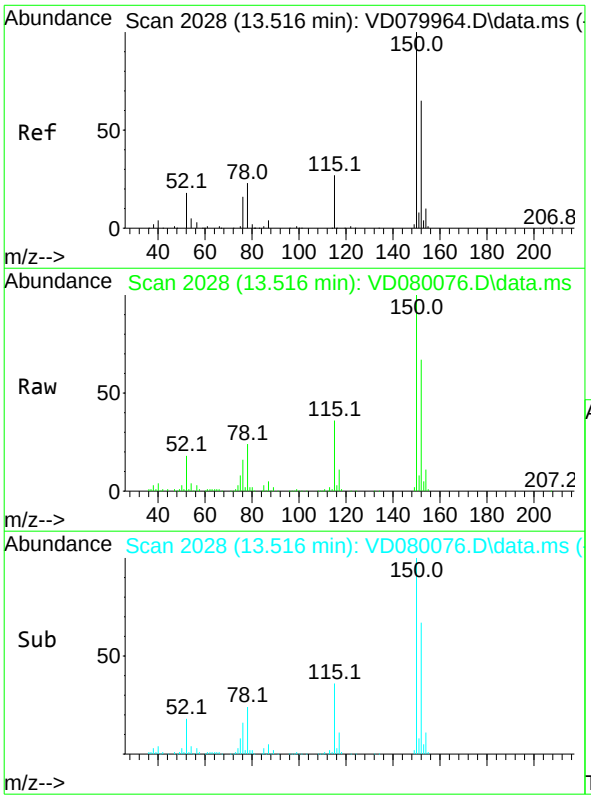
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 16
Delta R.T. -0.001 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Tgt Ion:117 Resp: 324341

Ion	Ratio	Lower	Upper
117	100		
82	52.4	45.8	68.6
119	31.5	26.2	39.2

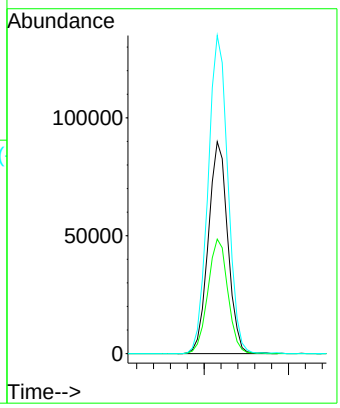




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080076.D
Acq: 18 Nov 2024 18:28

Tgt Ion:152 Resp: 143861

Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.9	86.8
150	152.9	0.0	354.8



Sample Results: **VD080076.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080076.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.746	20	27	39	rVB	978876	1517184	100.00%	23.134%
2	4.798	536	546	556	rBV4	12063	38452	2.53%	0.586%
3	7.804	1048	1057	1063	rBV2	126128	307406	20.26%	4.687%
4	7.875	1063	1069	1084	rVB	248015	575906	37.96%	8.781%
5	8.233	1121	1130	1142	rBV	104026	235438	15.52%	3.590%
6	8.780	1210	1223	1241	rBV	388659	808262	53.27%	12.324%
7	10.269	1468	1476	1486	rBV	417822	743612	49.01%	11.339%
8	11.580	1691	1699	1714	rVB	555196	945490	62.32%	14.417%
9	12.574	1861	1868	1876	rBV	290330	487980	32.16%	7.441%
10	13.516	2021	2028	2036	rBV	505439	816990	53.85%	12.457%
11	14.045	2112	2118	2125	rVB	52736	81513	5.37%	1.243%

Sum of corrected areas: 6558233

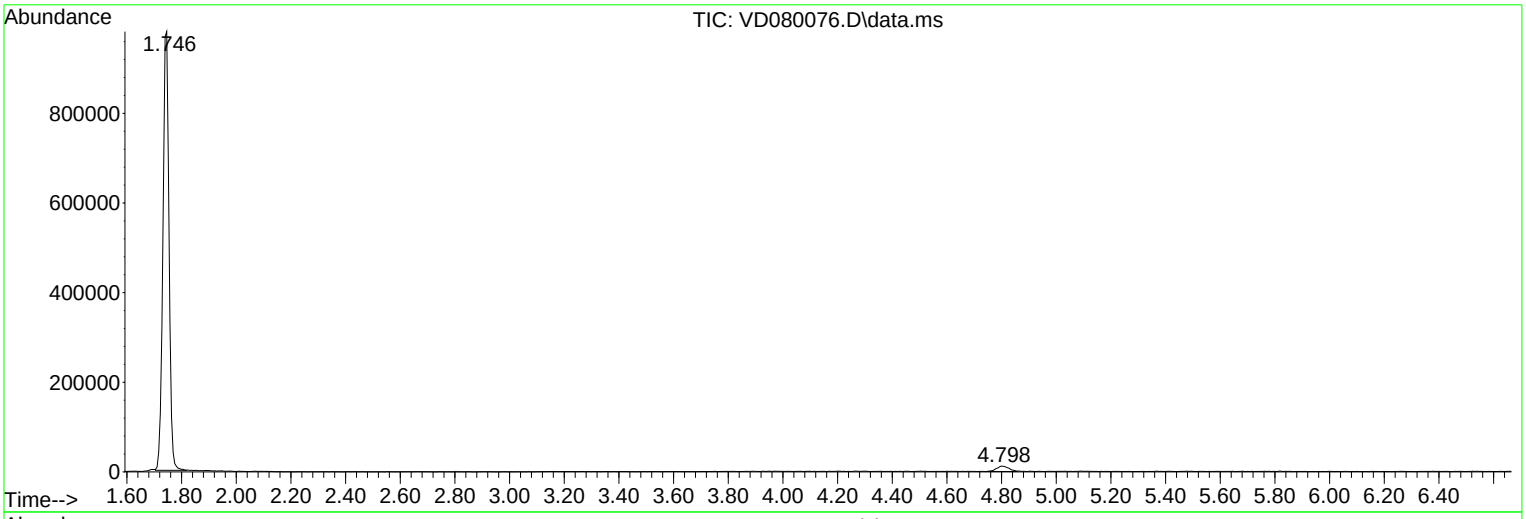
Sample Results: **VD080076.D**

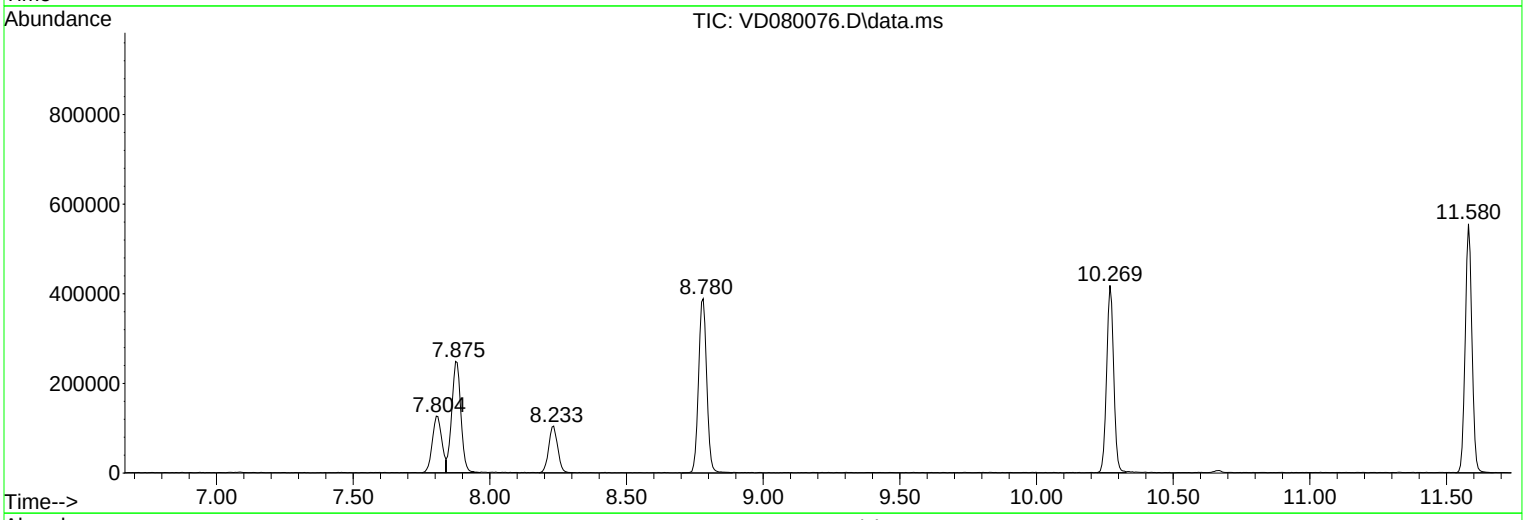
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

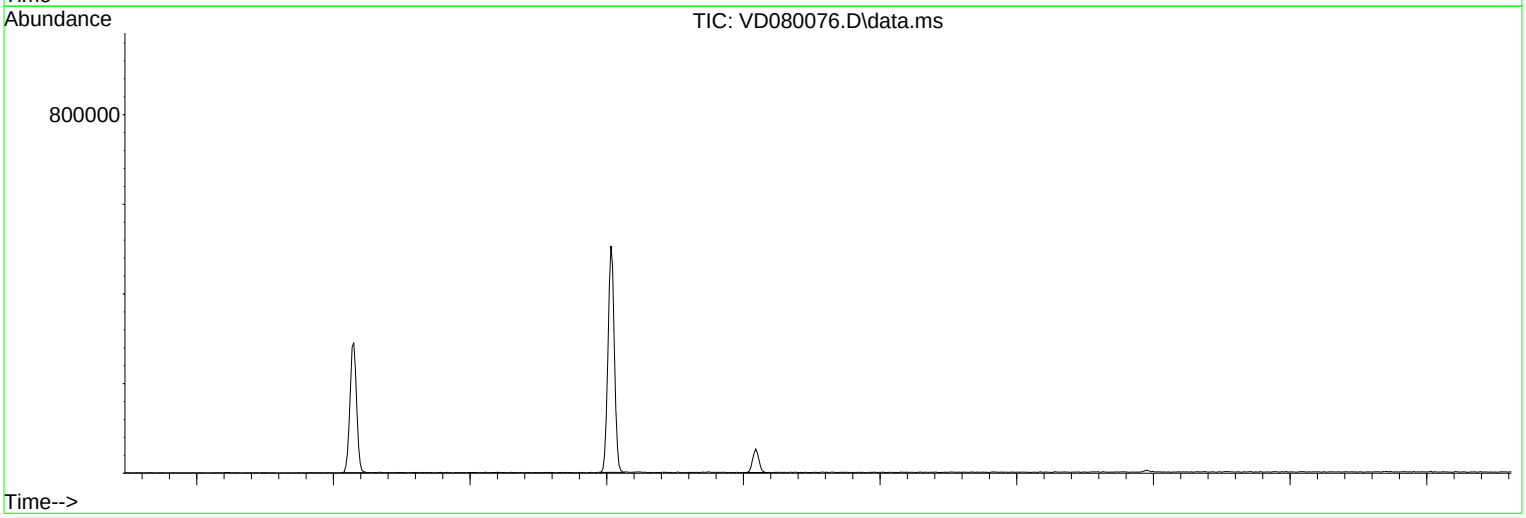
Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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_D\Data\VD111824\
Data File : VD080076.D
Acq On : 18 Nov 2024 18:28
Operator : RP/MD
Sample : P4860-05
Misc : 6.25G/5ml/MSVOA_D/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-004

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Quant Time: Nov 21 00:52:29 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	142975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	273649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	253521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	99327	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	84547	51.471	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.940%			
35) Dibromofluoromethane	7.634	113	84465	48.136	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.280%			
50) Toluene-d8	10.103	98	332194	48.059	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.120%			
62) 4-Bromofluorobenzene	12.402	95	111020	49.963	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.920%			

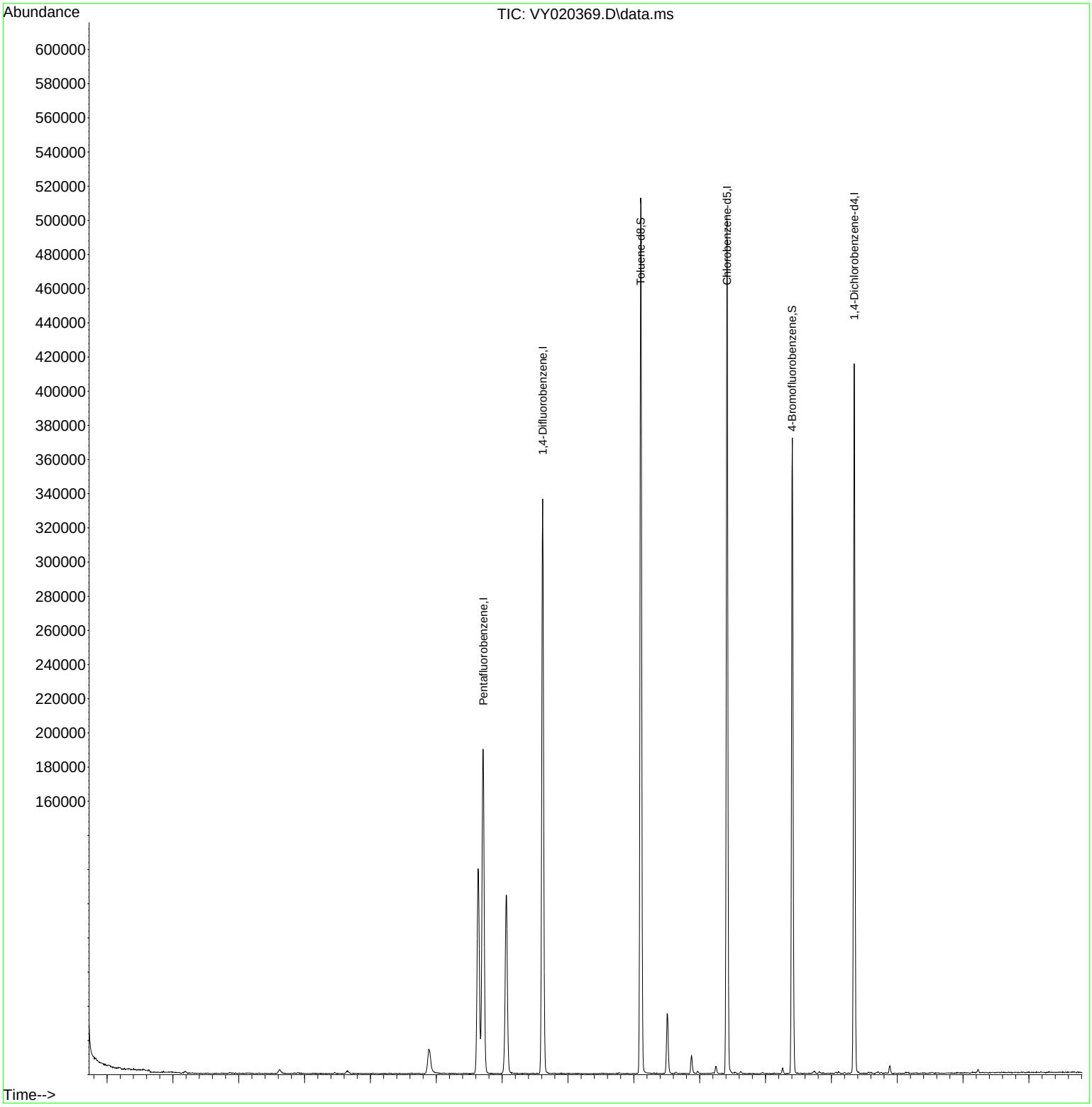
Target Compounds Qvalue

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

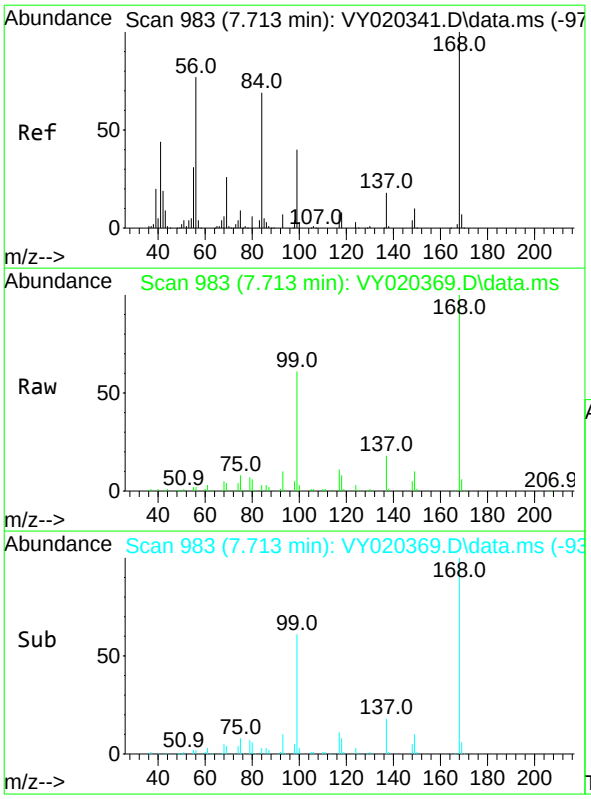
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Quant Time: Nov 21 00:52:29 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



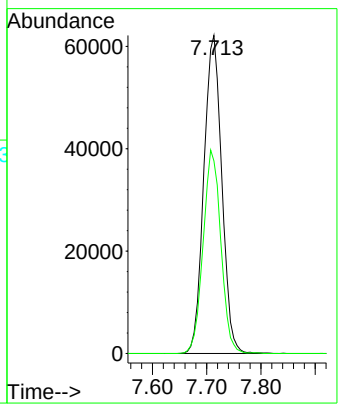
Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

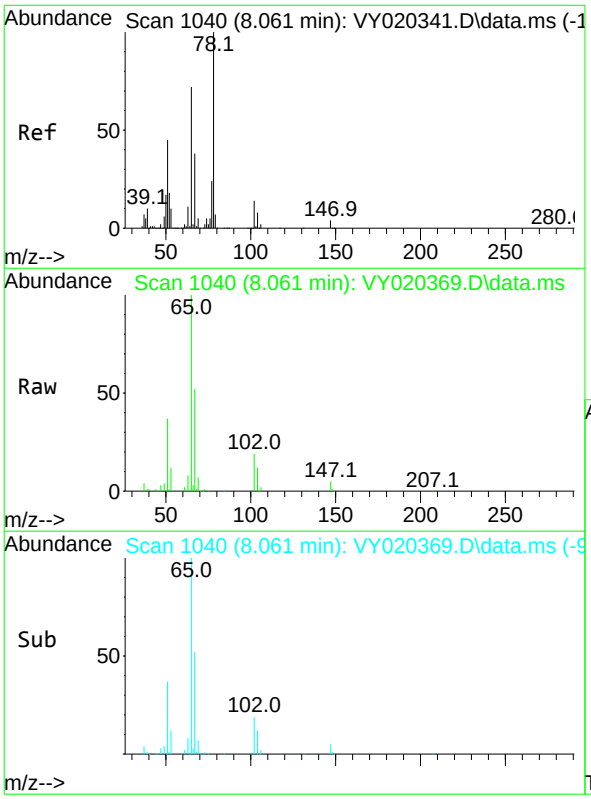


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Tgt Ion:168 Resp: 142975

Ion	Ratio	Lower	Upper
168	100		
99	60.5	46.6	69.8

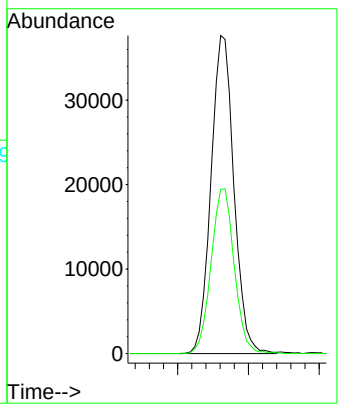


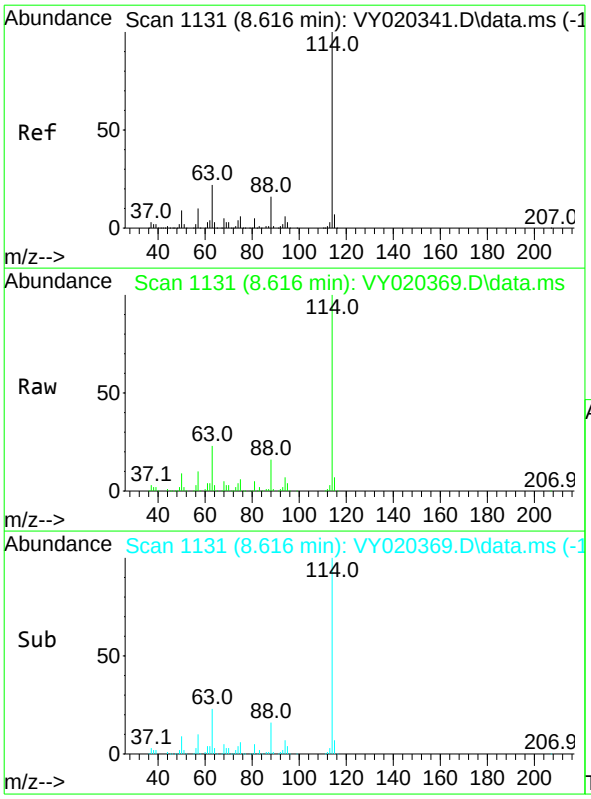


#33
1,2-Dichloroethane-d4
Concen: 51.471 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Tgt Ion: 65 Resp: 84547

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.8



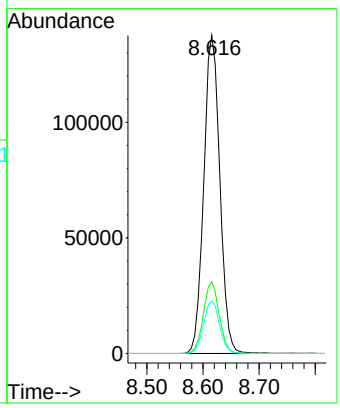


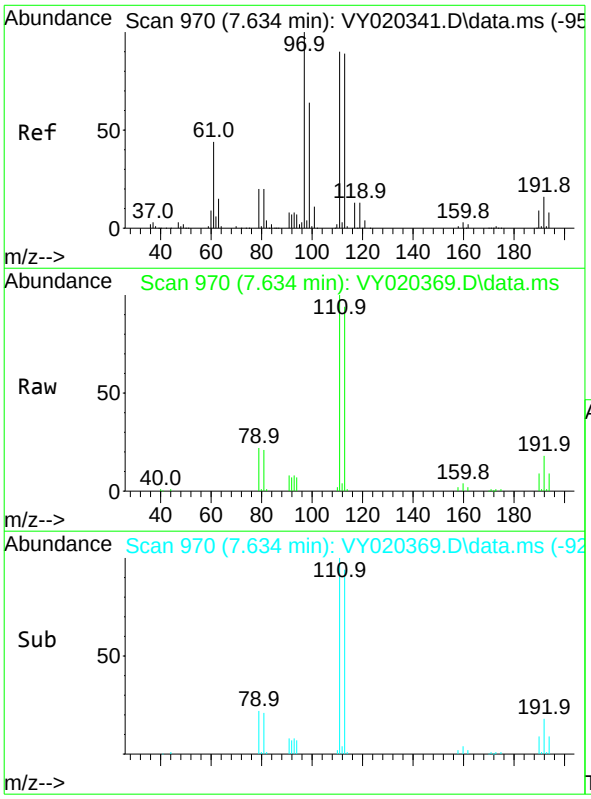
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Tgt Ion:114 Resp: 273649

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.8
88	16.4	0.0	32.0

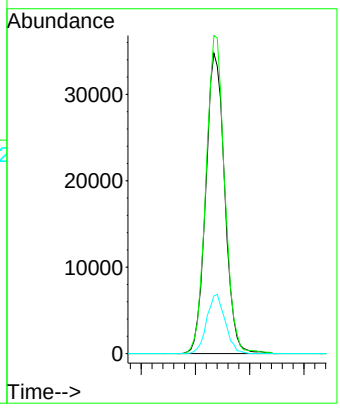


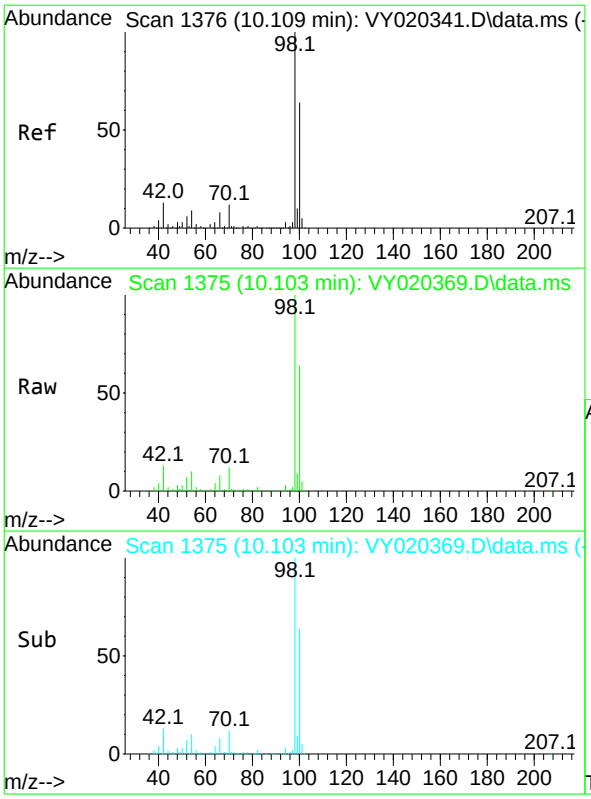


#35
Dibromofluoromethane
Concen: 48.136 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Tgt Ion:113 Resp: 84465

Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.4	122.0
192	19.1	15.1	22.7



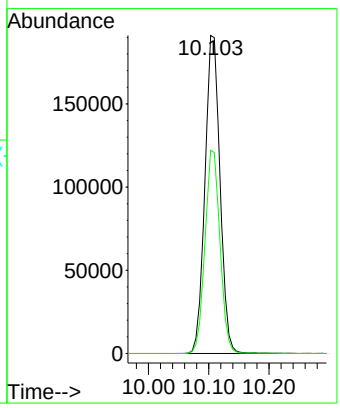


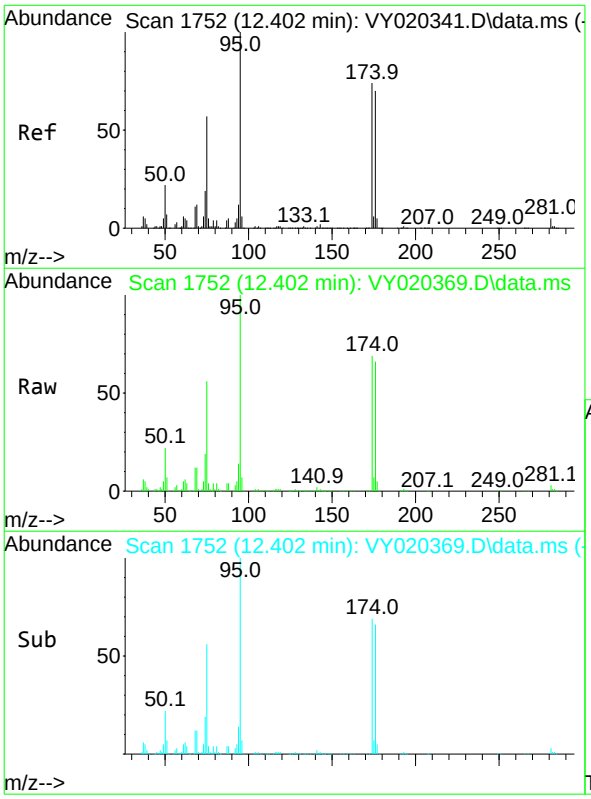
#50
Toluene-d8
Concen: 48.059 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Tgt Ion: 98 Resp: 332194

Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.3	76.9

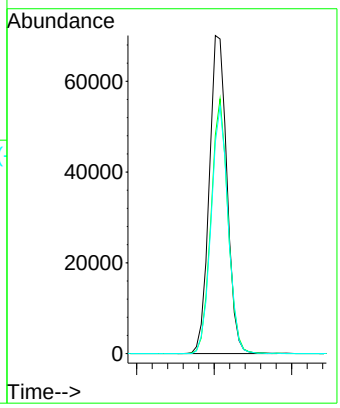


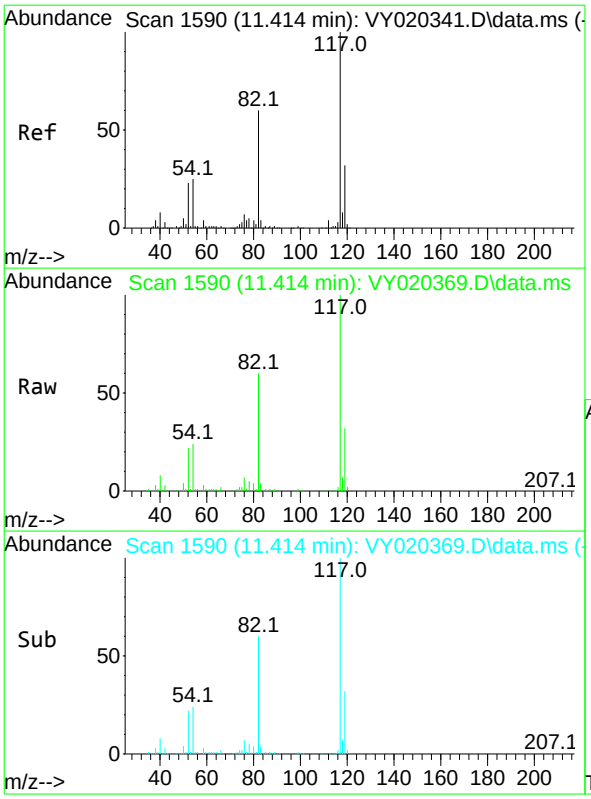


#62
4-Bromofluorobenzene
Concen: 49.963 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Tgt Ion: 95 Resp: 111020

Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	156.8
176	74.7	0.0	152.0



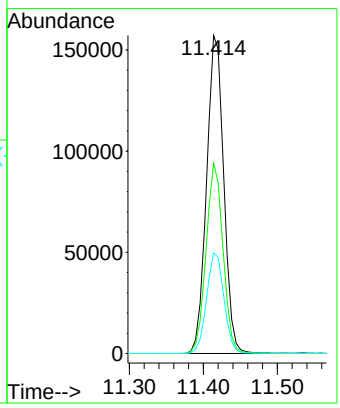


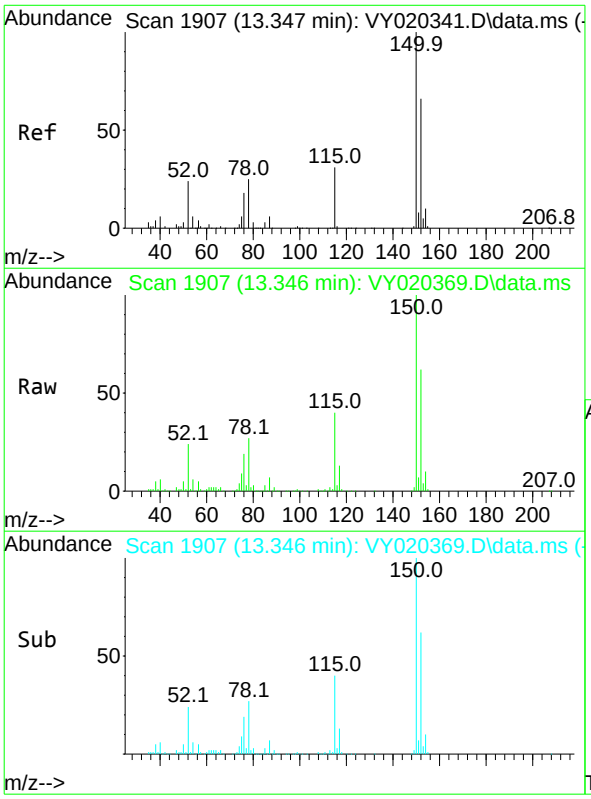
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

Tgt Ion:117 Resp: 253521

Ion	Ratio	Lower	Upper
117	100		
82	59.8	48.2	72.4
119	31.7	25.8	38.8

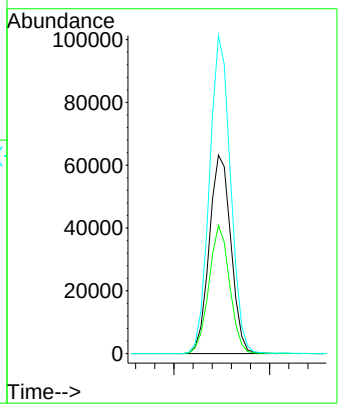




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020369.D
Acq: 20 Nov 2024 18:58

Tgt Ion:152 Resp: 99327

Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.0	90.0
150	155.9	0.0	348.2



Sample Results: **VY020369.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

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: VY020369.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.884	837	847	861	rBV	14366	49114	5.48%	1.039%
2	7.634	959	970	976	rBV	120036	287101	32.05%	6.072%
3	7.707	976	982	998	rVB	189741	449032	50.13%	9.497%
4	8.061	1028	1040	1053	rBV	104526	247387	27.62%	5.232%
5	8.616	1121	1131	1141	rBV	336447	666153	74.37%	14.089%
6	10.103	1368	1375	1386	rBV	512213	895730	100.00%	18.944%
7	10.506	1434	1441	1452	rBV2	34939	65011	7.26%	1.375%
8	10.877	1495	1502	1513	rBV2	10455	18429	2.06%	0.390%
9	11.414	1583	1590	1604	rBV	501741	806127	90.00%	17.049%
10	12.408	1746	1753	1763	rVB2	371932	608376	67.92%	12.867%
11	13.346	1897	1907	1917	rBV	415353	635774	70.98%	13.446%

Sum of corrected areas: 4728234

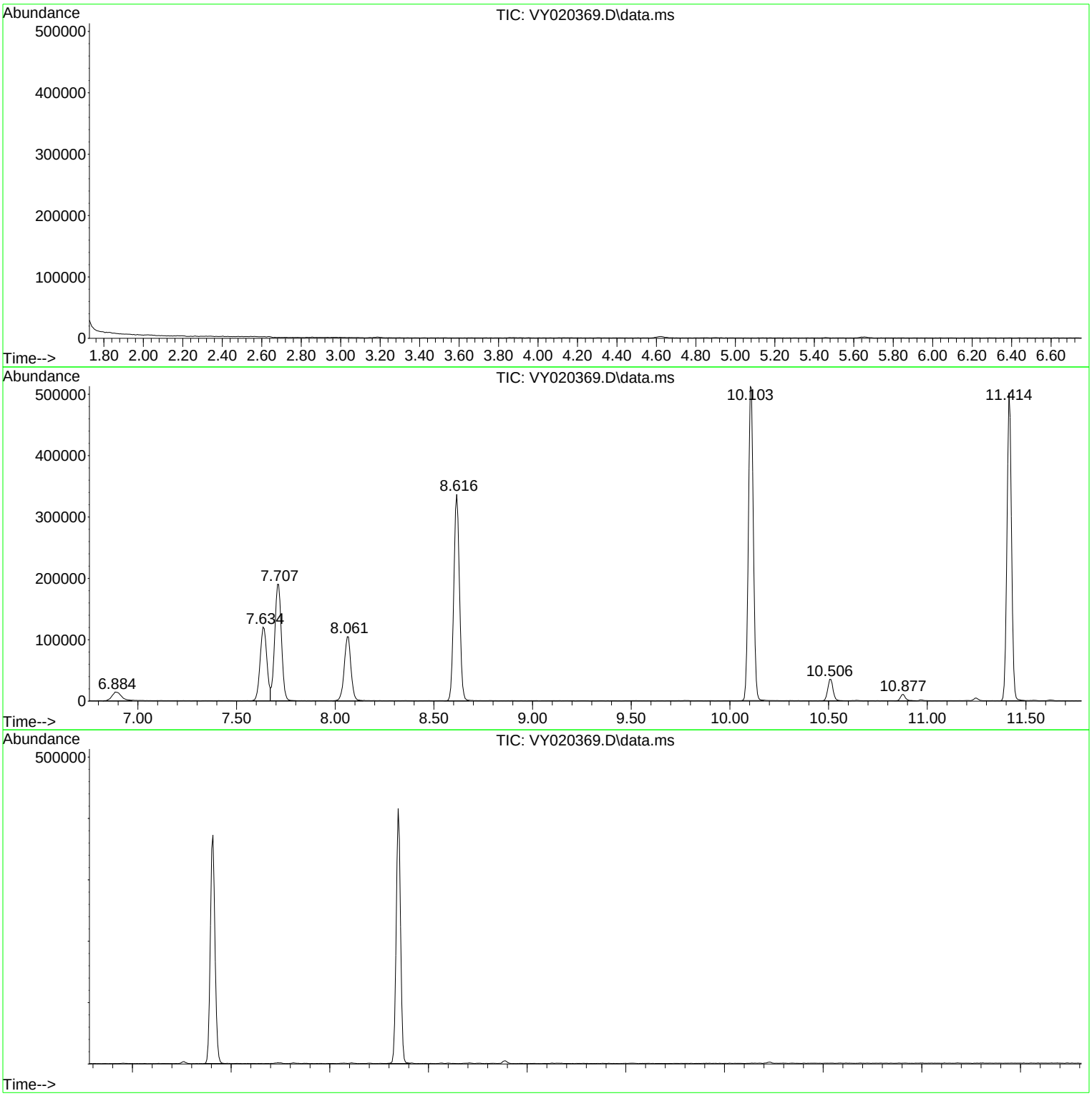
Sample Results: **VY020369.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

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\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

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\VY112024\
Data File : VY020369.D
Acq On : 20 Nov 2024 18:58
Operator : SY/MD
Sample : P4860-06
Misc : 7.41g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-009

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_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Quant Time: Nov 19 04:51:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	209792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	360025	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	320832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96108	44.494	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 88.980%			
35) Dibromofluoromethane	7.805	113	110302	46.034	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.060%			
50) Toluene-d8	10.269	98	377907	41.846	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 83.700%			
62) 4-Bromofluorobenzene	12.569	95	107643	36.330	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 72.660%			
Target Compounds						Qvalue

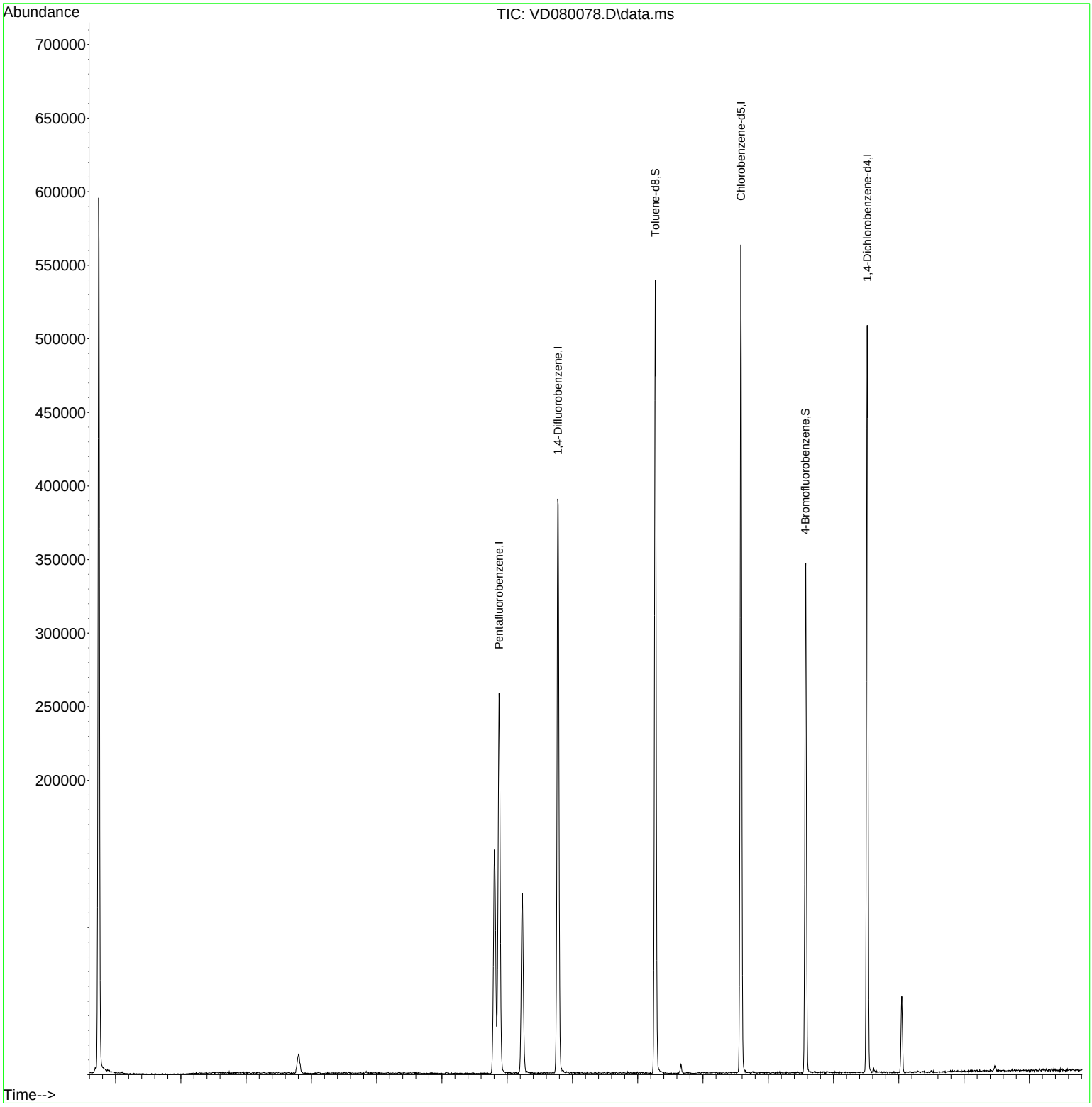
(#) = qualifier out of range (m) = manual integration (+) = signals summed

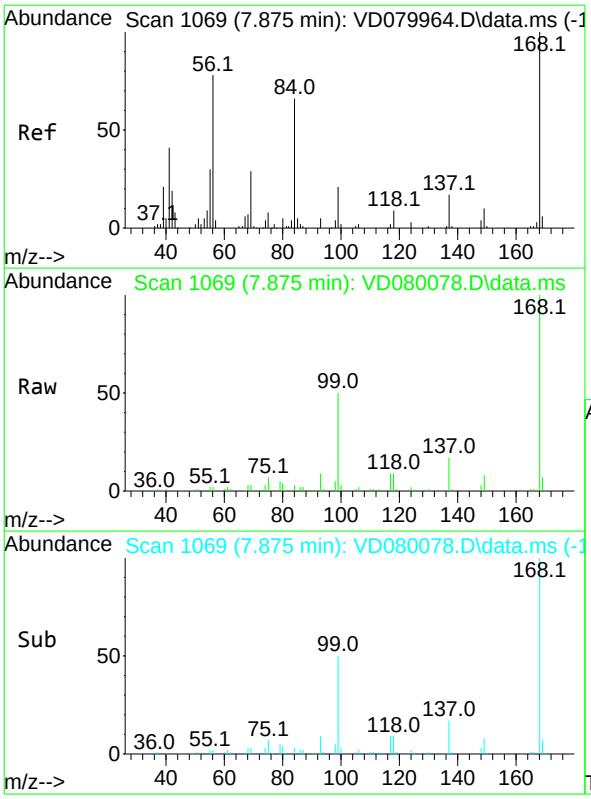
Sample Results: **VD080078.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Quant Time: Nov 19 04:51:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



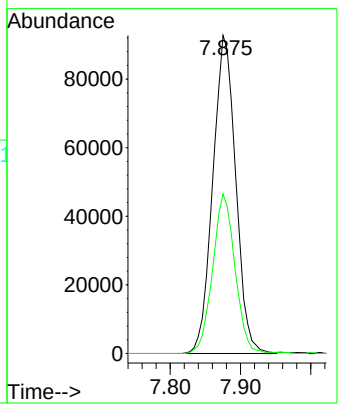


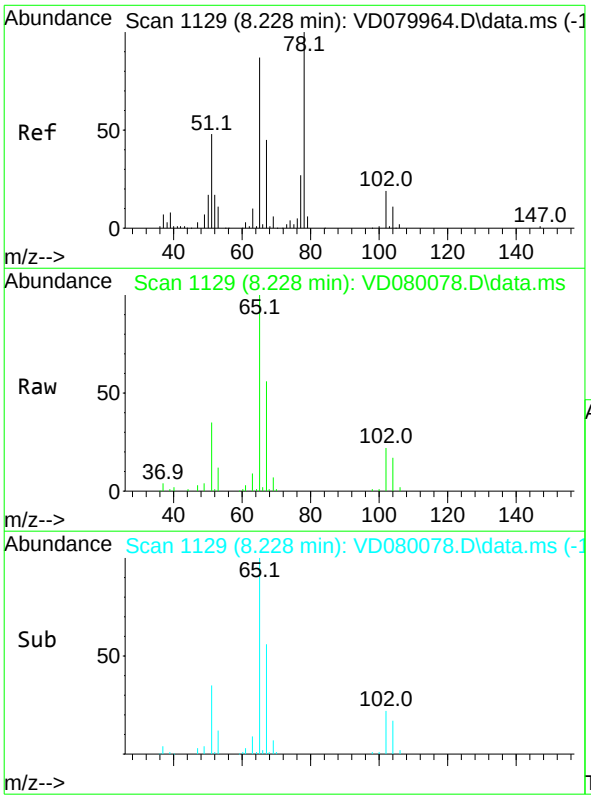
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Tgt Ion:168 Resp: 209792

Ion	Ratio	Lower	Upper
168	100		
99	50.2	46.0	69.0

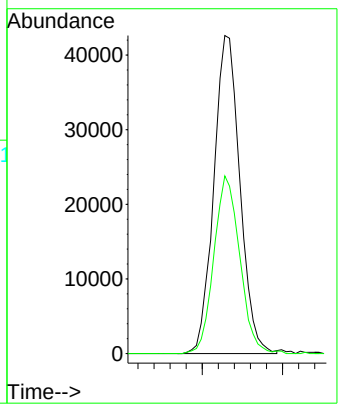


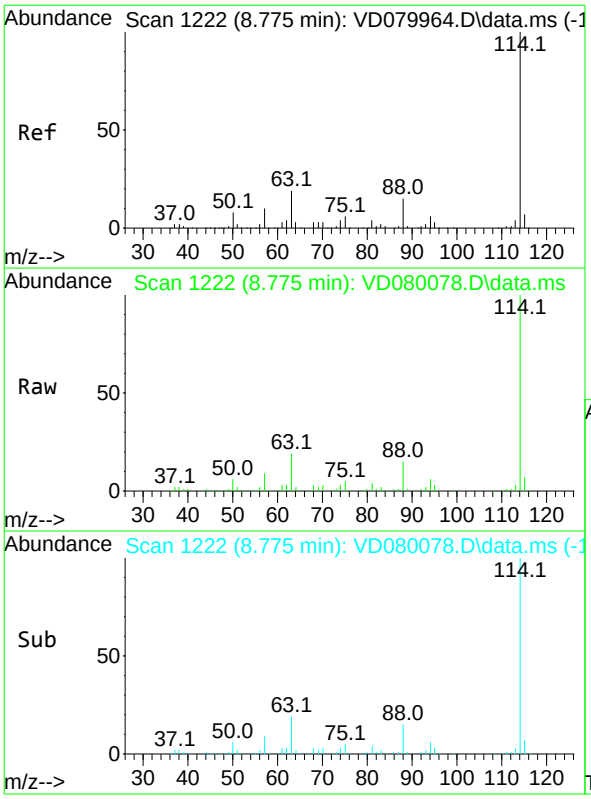


#33
1,2-Dichloroethane-d4
Concen: 44.494 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Tgt Ion: 65 Resp: 96108

Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	109.2



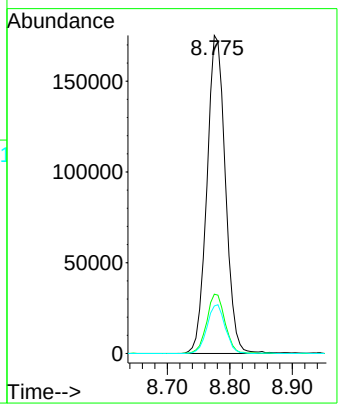


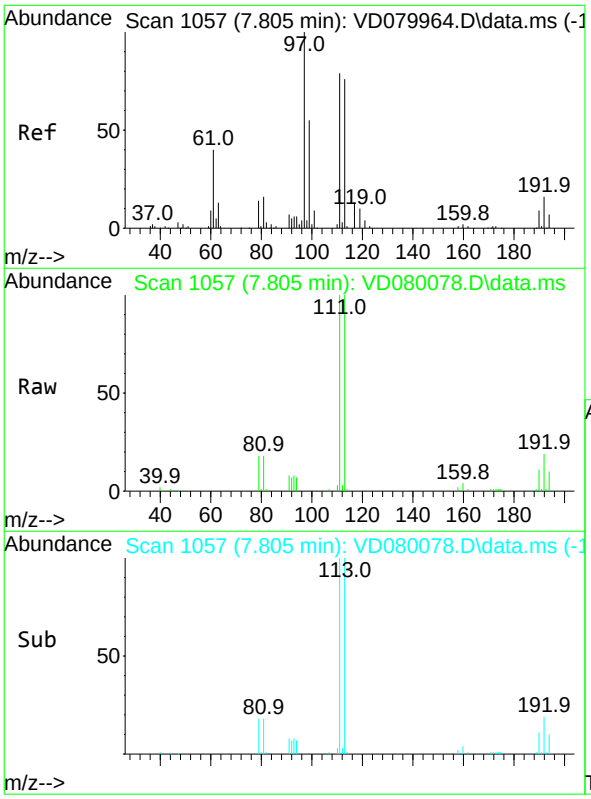
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Tgt Ion:114 Resp: 360025

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.8
88	14.9	0.0	30.6

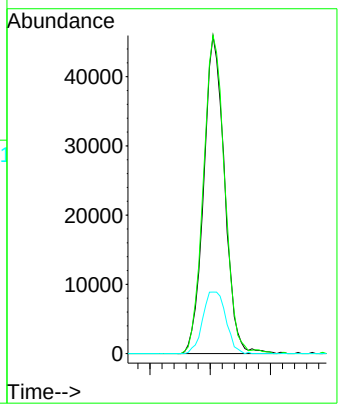


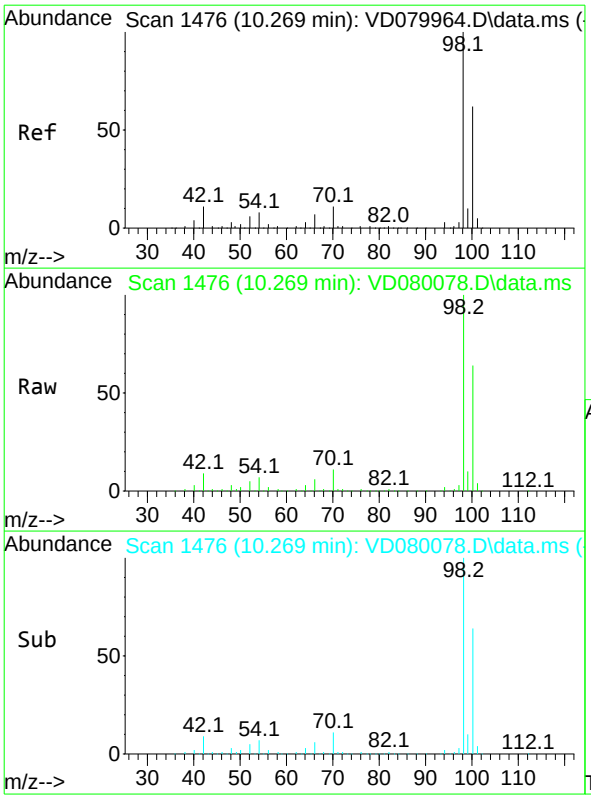


#35
Dibromofluoromethane
Concen: 46.034 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Tgt Ion:113 Resp: 110302

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.5	123.7
192	21.5	16.6	25.0



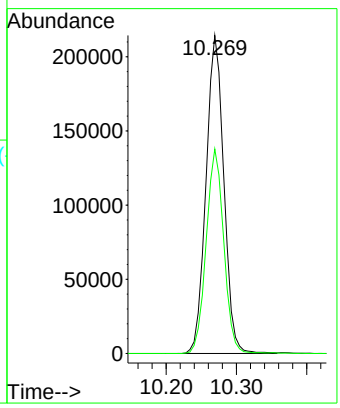


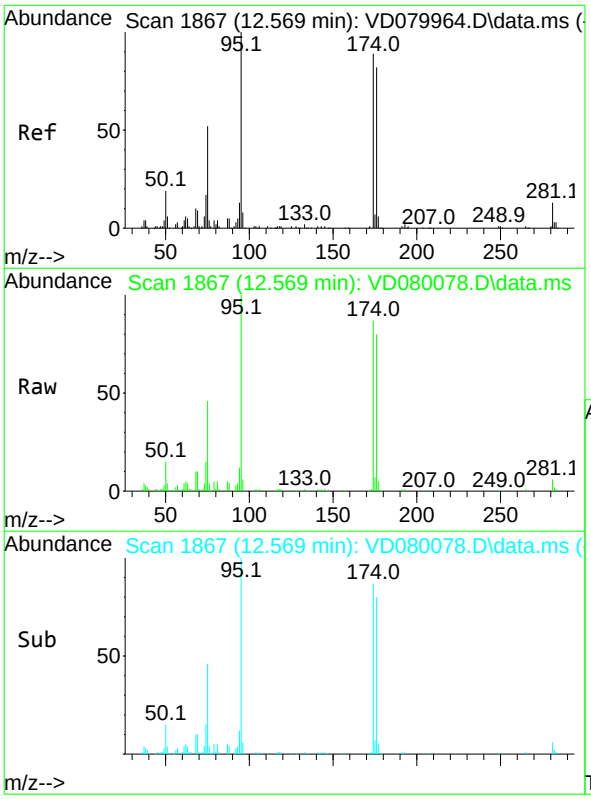
#50
Toluene-d8
Concen: 41.846 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Tgt Ion: 98 Resp: 377907

Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.2	75.4

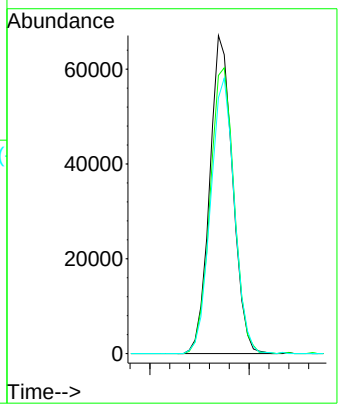


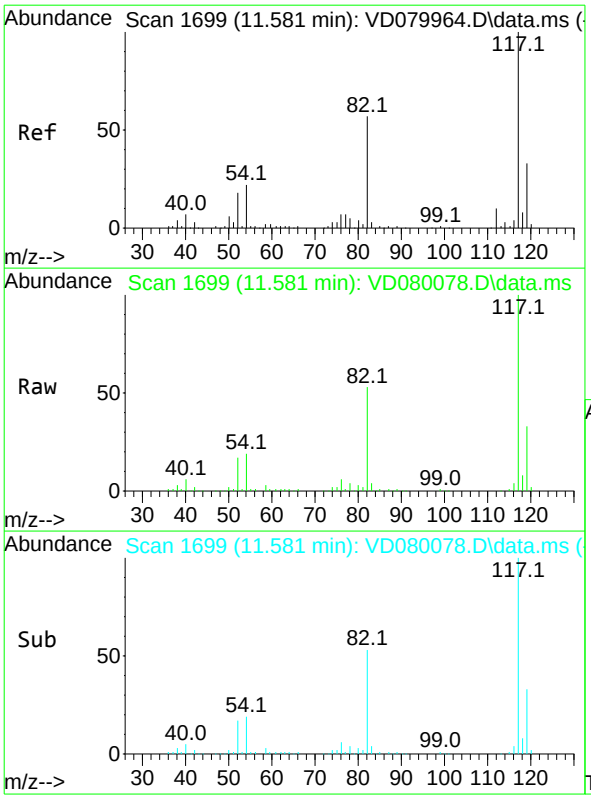


#62
4-Bromofluorobenzene
Concen: 36.330 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Tgt Ion: 95 Resp: 107643

Ion	Ratio	Lower	Upper
95	100		
174	94.3	0.0	173.4
176	89.6	0.0	166.6



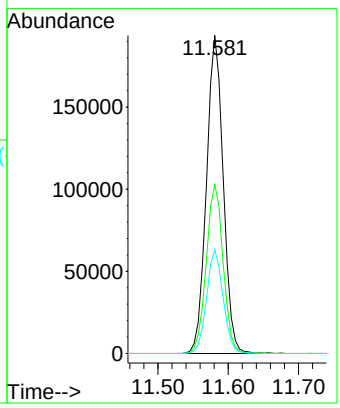


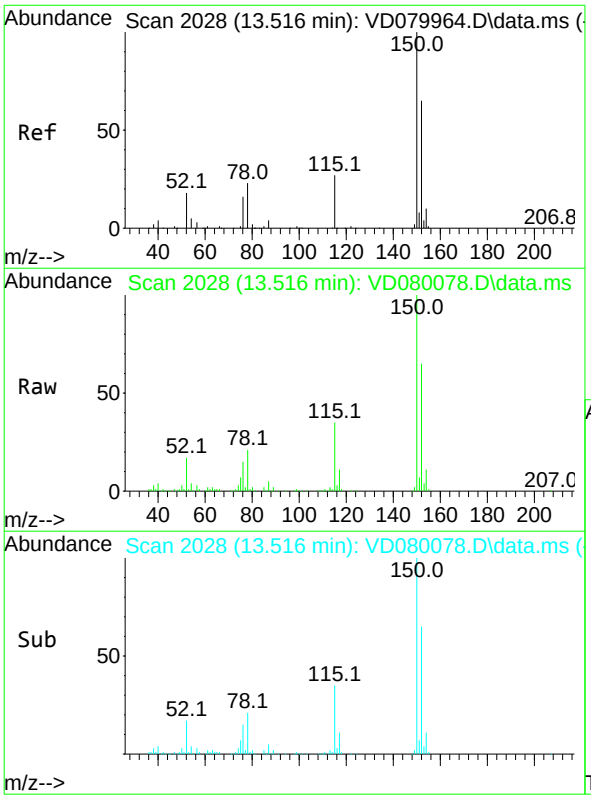
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 16
Delta R.T. -0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Tgt Ion:117 Resp: 320832

Ion	Ratio	Lower	Upper
117	100		
82	53.0	45.8	68.6
119	32.6	26.2	39.2

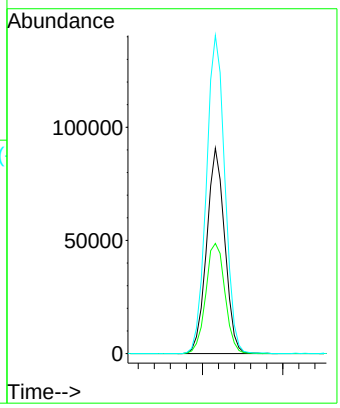




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD080078.D
Acq: 18 Nov 2024 19:22

Tgt Ion:152 Resp: 141967

Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.9	86.8
150	158.3	0.0	354.8



Sample Results: **VD080078.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080078.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	44	rVB	592729	930625	98.11%	14.570%
2	4.805	537	547	560	rBV4	12997	39633	4.18%	0.621%
3	7.805	1047	1057	1063	rBV	152098	368888	38.89%	5.775%
4	7.875	1063	1069	1086	rVB	258019	580583	61.21%	9.090%
5	8.234	1118	1130	1139	rBV	122609	278468	29.36%	4.360%
6	8.775	1213	1222	1233	rBV	390241	806531	85.03%	12.627%
7	10.269	1467	1476	1489	rBV	538831	948574	100.00%	14.851%
8	10.663	1537	1543	1550	rBV2	6118	10011	1.06%	0.157%
9	11.581	1689	1699	1710	rBV	562647	940217	99.12%	14.720%
10	12.575	1860	1868	1877	rBV	346796	580929	61.24%	9.095%
11	13.516	2020	2028	2040	rVB	507819	822016	86.66%	12.870%
12	14.045	2112	2118	2125	rVB	51864	80726	8.51%	1.264%

Sum of corrected areas: 6387201

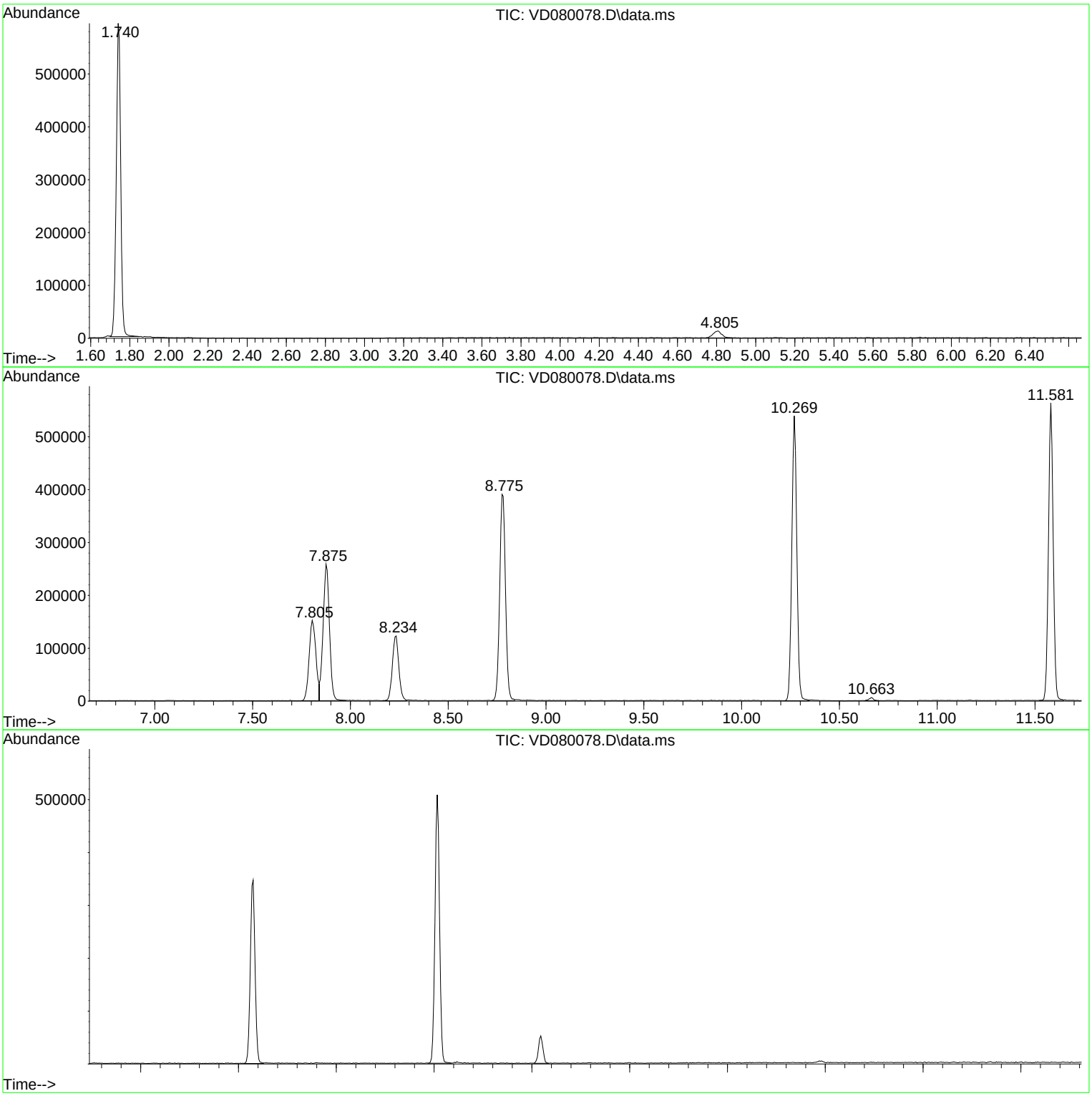
Sample Results: **VD080078.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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_D\Data\VD111824\
Data File : VD080078.D
Acq On : 18 Nov 2024 19:22
Operator : RP/MD
Sample : P4860-07
Misc : 6.20G/5ml/MSVOA_D/SOIL/A
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-008

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Quant Time: Nov 19 04:51:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	216854	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	352745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	326096	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	151026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	96719	43.319	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.640%		
35) Dibromofluoromethane	7.810	113	115447	49.176	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.360%		
50) Toluene-d8	10.269	98	399589	45.161	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	90.320%		
62) 4-Bromofluorobenzene	12.575	95	122092	42.057	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	84.120%		
Target Compounds						Qvalue

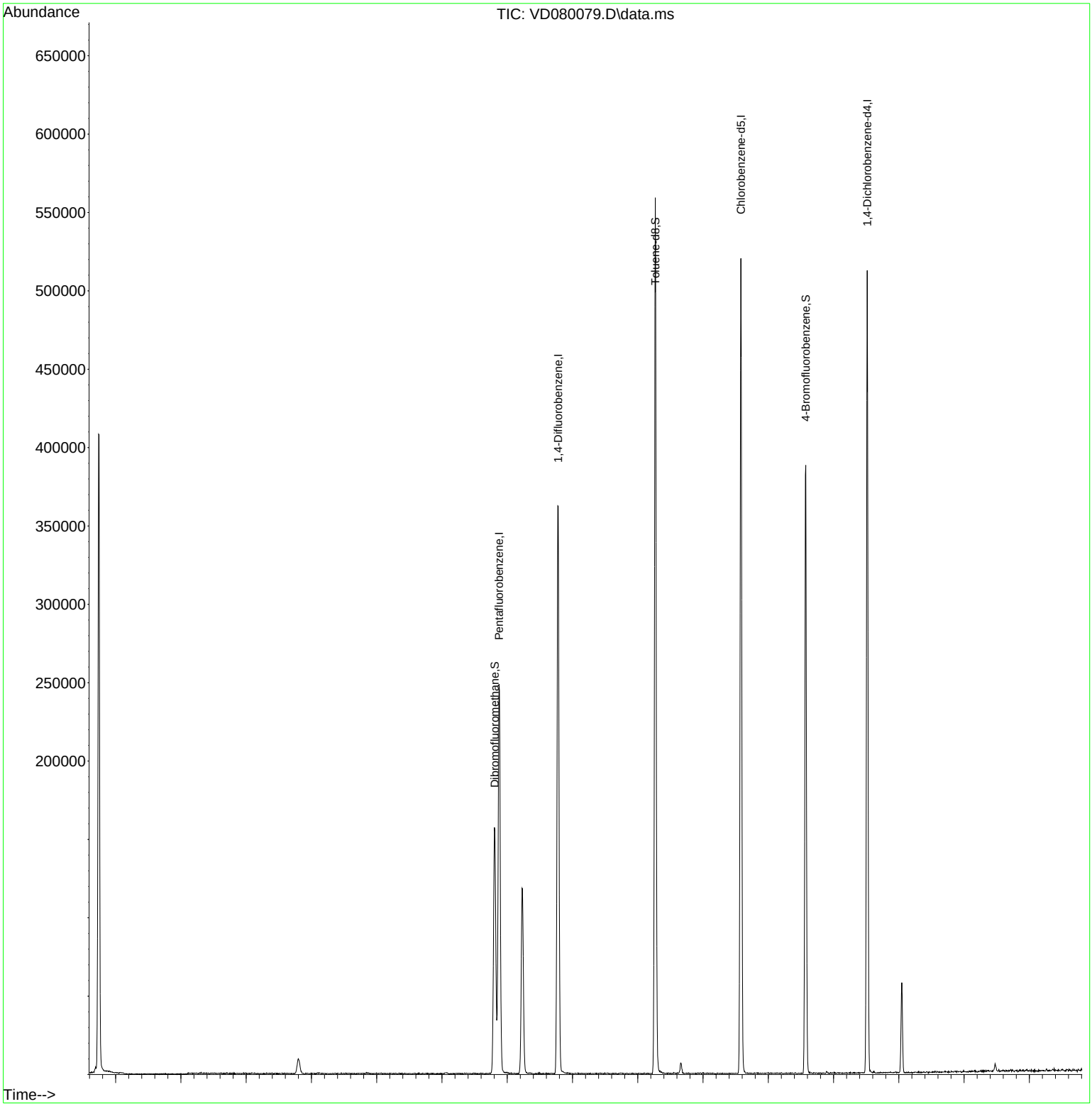
(#) = qualifier out of range (m) = manual integration (+) = signals summed

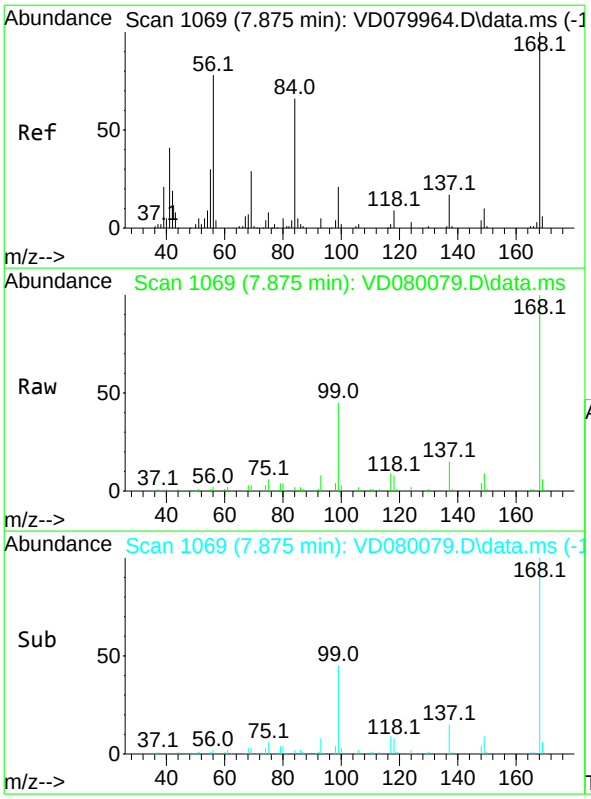
Sample Results: **VD080079.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Quant Time: Nov 19 04:51:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



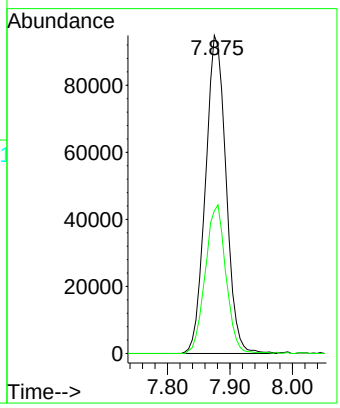


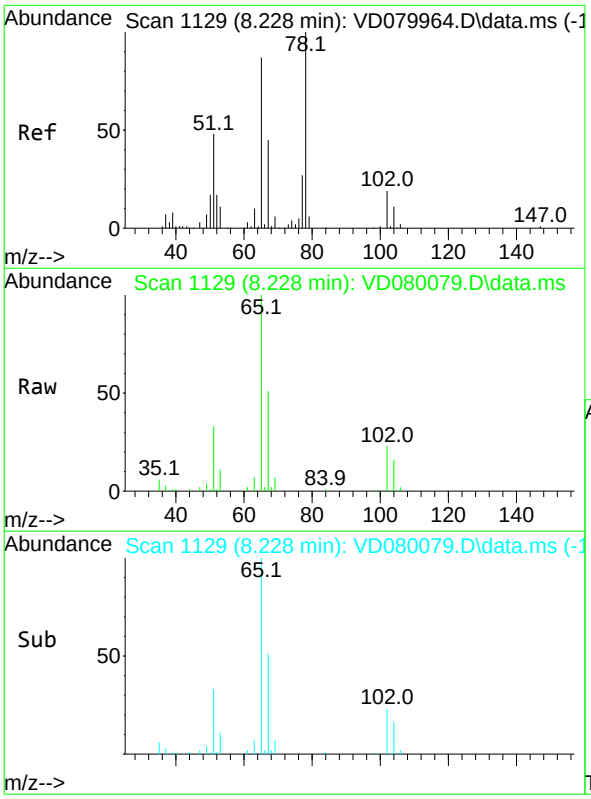
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Tgt Ion:168 Resp: 216854

Ion	Ratio	Lower	Upper
168	100		
99	44.9	46.0	69.0#

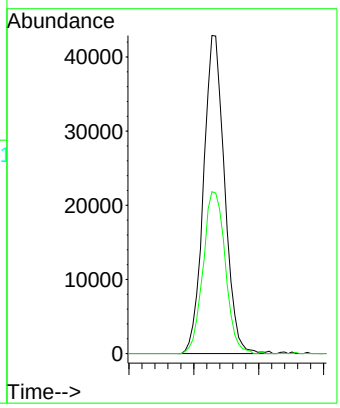


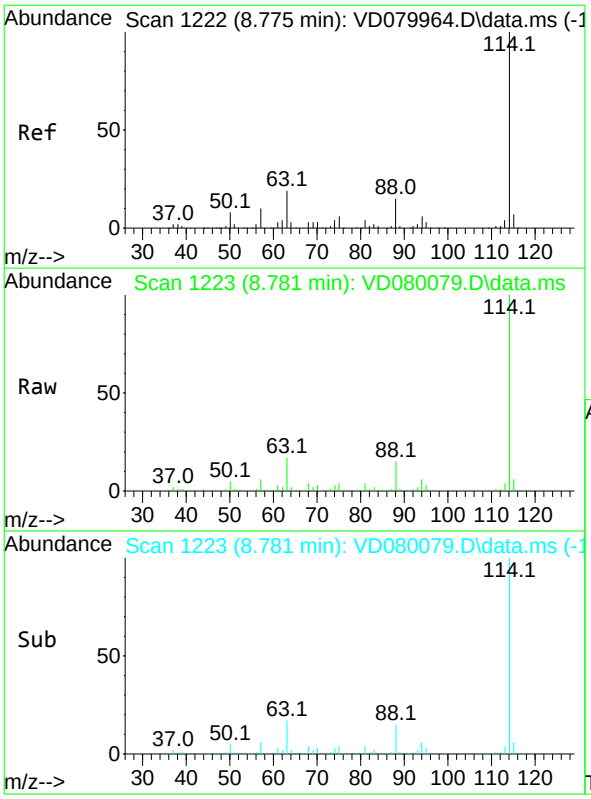


#33
1,2-Dichloroethane-d4
Concen: 43.319 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Tgt Ion: 65 Resp: 96719

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	109.2



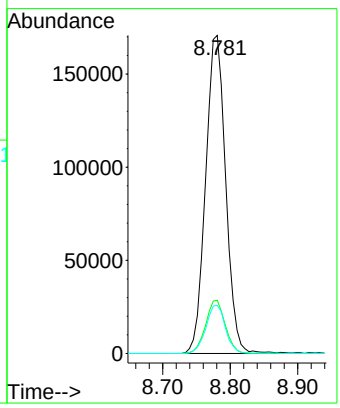


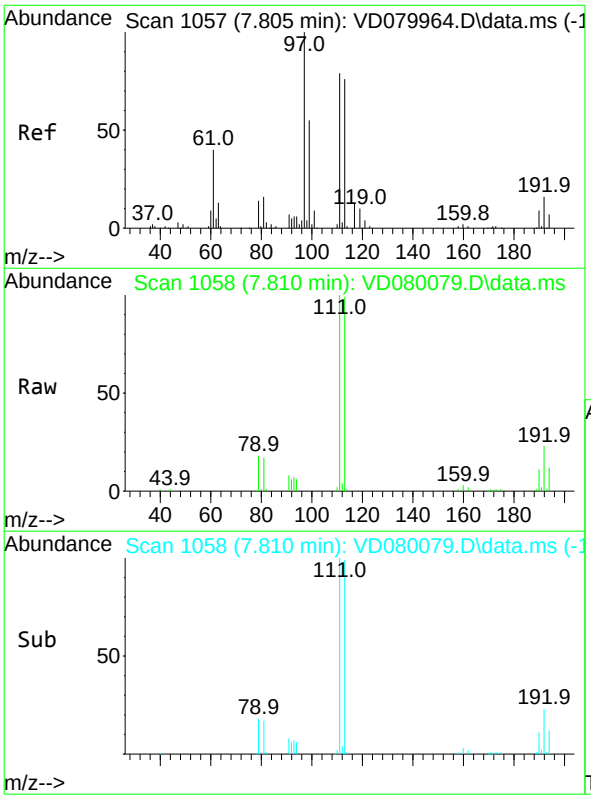
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Tgt Ion:114 Resp: 352745

Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	38.8
88	15.1	0.0	30.6

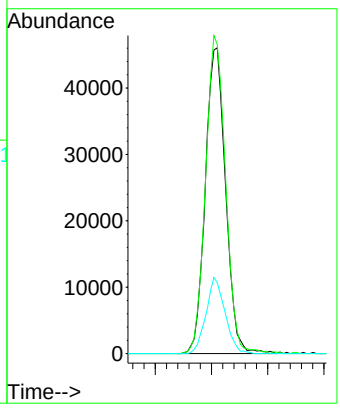


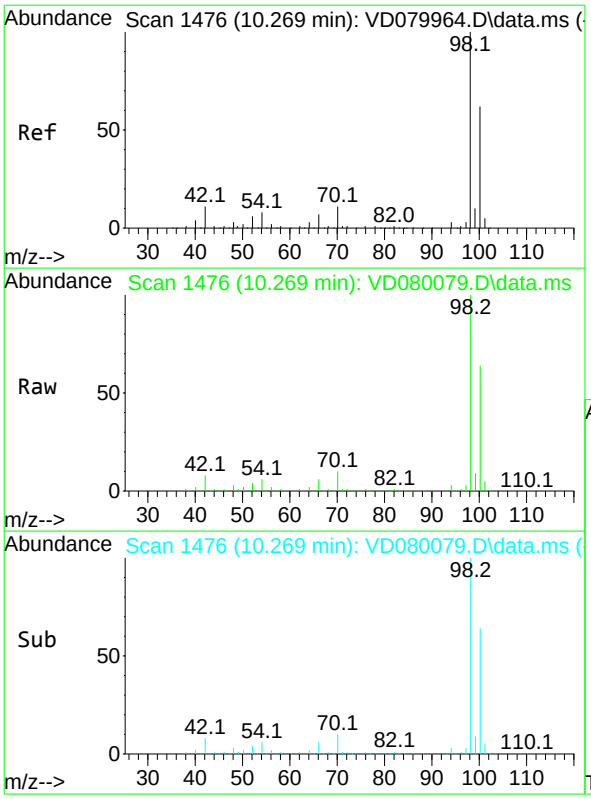


#35
Dibromofluoromethane
Concen: 49.176 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.005 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Tgt Ion:113 Resp: 115447

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.5	123.7
192	23.3	16.6	25.0



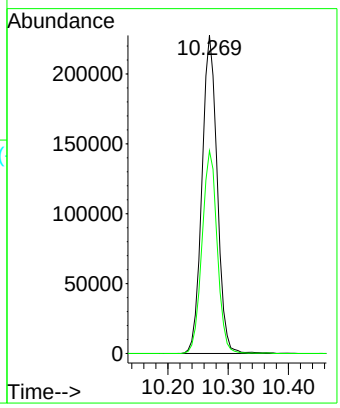


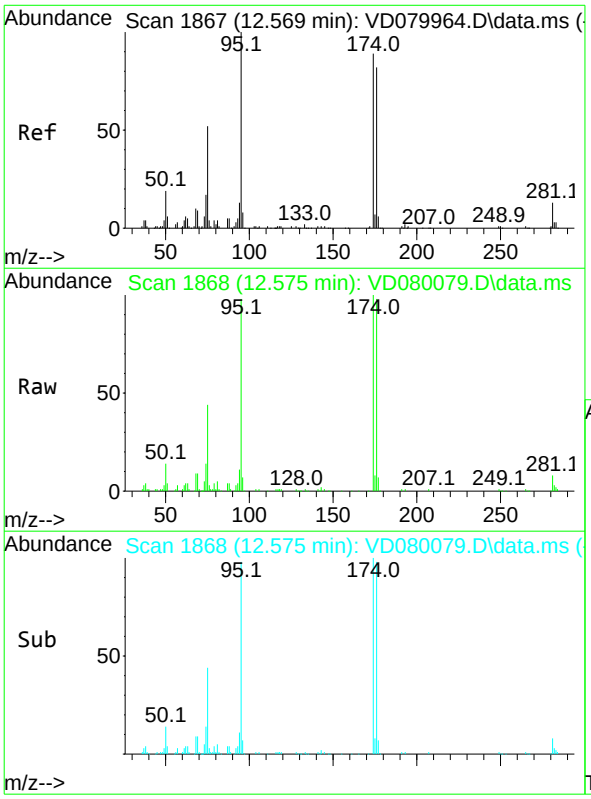
#50
Toluene-d8
Concen: 45.161 ug/l
RT: 10.269 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Tgt Ion: 98 Resp: 399589

Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.2	75.4

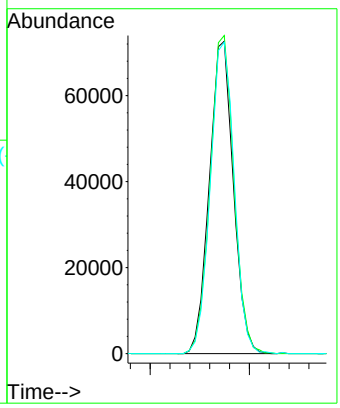


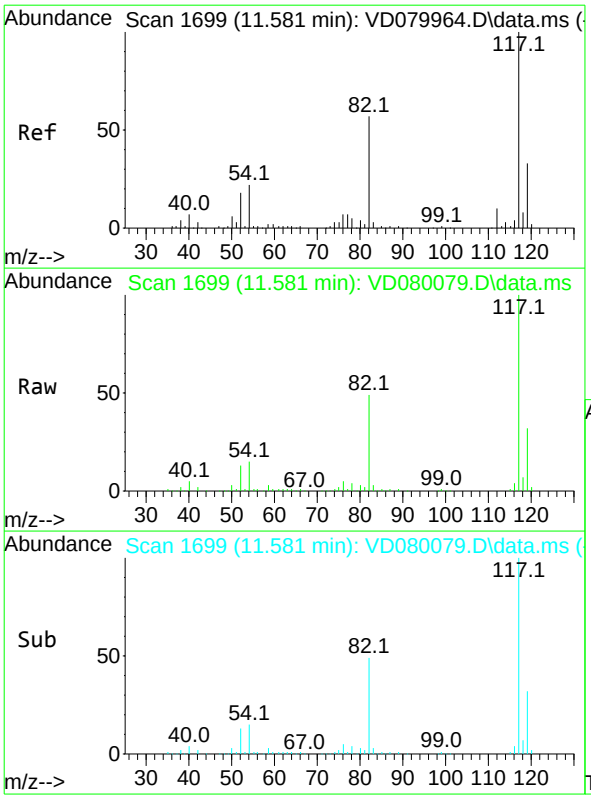


#62
4-Bromofluorobenzene
Concen: 42.057 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Tgt Ion: 95 Resp: 122092

Ion	Ratio	Lower	Upper
95	100		
174	100.7	0.0	173.4
176	99.1	0.0	166.6



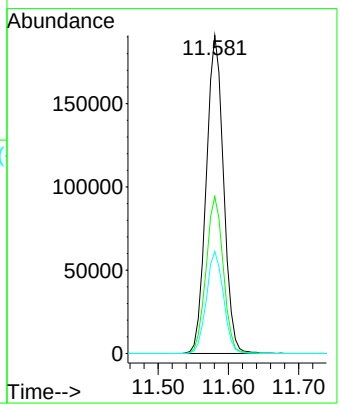


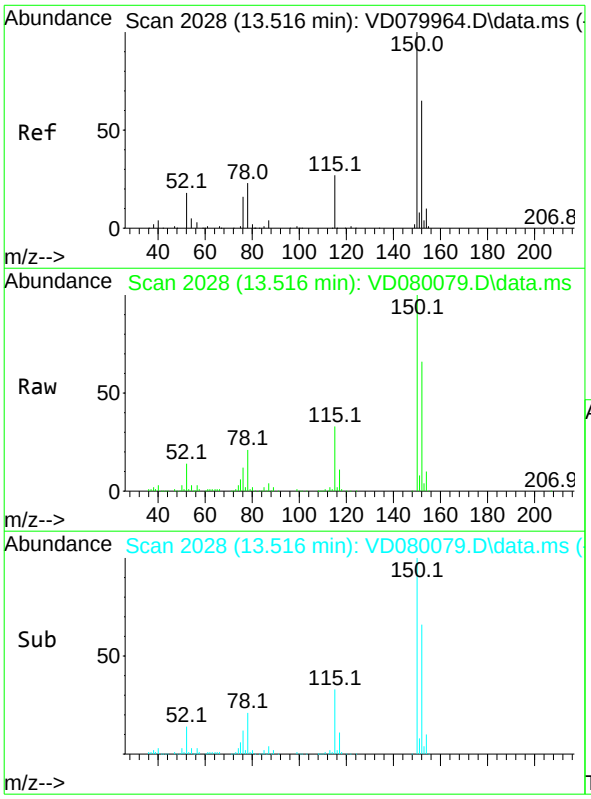
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 16
Delta R.T. -0.000 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Tgt Ion:117 Resp: 326096

Ion	Ratio	Lower	Upper
117	100		
82	49.3	45.8	68.6
119	32.1	26.2	39.2

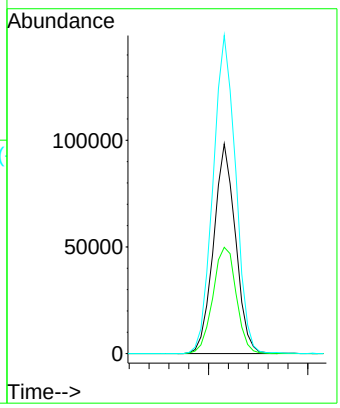




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080079.D
Acq: 18 Nov 2024 19:49

Tgt Ion:152 Resp: 151026

Ion	Ratio	Lower	Upper
152	100		
115	54.1	28.9	86.8
150	156.4	0.0	354.8



Sample Results: **VD080079.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080079.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.740	19	26	42	rVB	406384	682944	69.23%	11.158%
2	4.799	535	546	556	rBV	9596	29221	2.96%	0.477%
3	7.804	1047	1057	1063	rBV	156976	382894	38.82%	6.256%
4	7.875	1063	1069	1083	rVB	247937	572234	58.01%	9.350%
5	8.228	1120	1129	1143	rBV	118457	272604	27.64%	4.454%
6	8.775	1214	1222	1235	rBV	362449	750274	76.06%	12.258%
7	10.269	1468	1476	1487	rBV	558920	986425	100.00%	16.117%
8	10.657	1537	1542	1551	rVB3	6825	12831	1.30%	0.210%
9	11.581	1691	1699	1712	rBV	520107	886351	89.85%	14.482%
10	12.575	1861	1868	1877	rBV	388018	645264	65.41%	10.543%
11	13.516	2020	2028	2035	rBV	511983	808726	81.99%	13.214%
12	14.045	2112	2118	2126	rVB2	57654	90675	9.19%	1.482%

Sum of corrected areas: 6120443

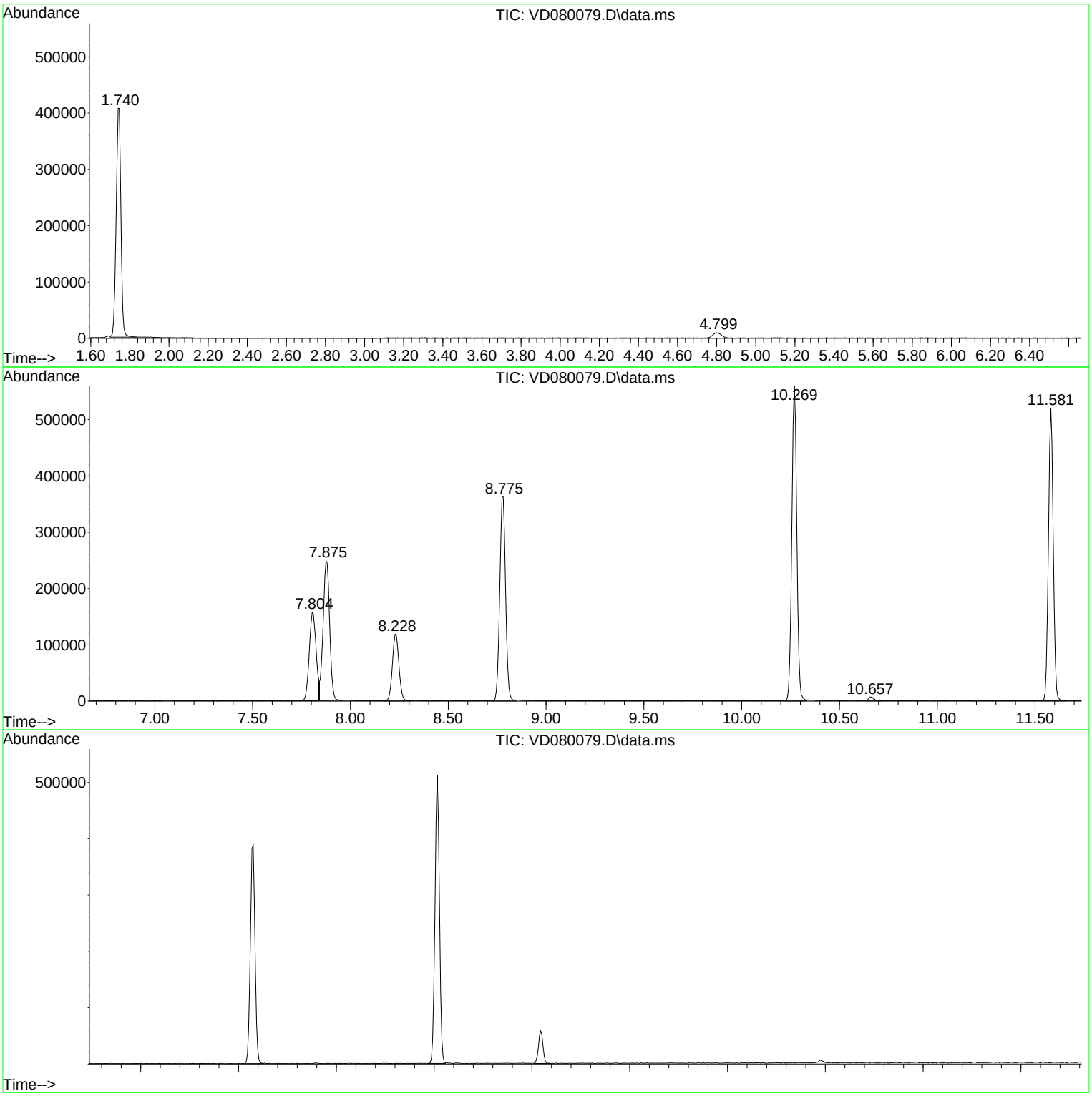
Sample Results: **VD080079.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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_D\Data\VD111824\
Data File : VD080079.D
Acq On : 18 Nov 2024 19:49
Operator : RP/MD
Sample : P4860-08
Misc : 6.33G/5ml/MSVOA_D/SOIL/A
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
PH2-BOT-007

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.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 : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Quant Time: Nov 22 00:26:36 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	7.707	168	140871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	273565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	262252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	106466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92933	57.421	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.840%			
35) Dibromofluoromethane	7.634	113	88559	50.485	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.960%			
50) Toluene-d8	10.103	98	333481	48.260	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.520%			
62) 4-Bromofluorobenzene	12.408	95	116929	52.638	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 105.280%			

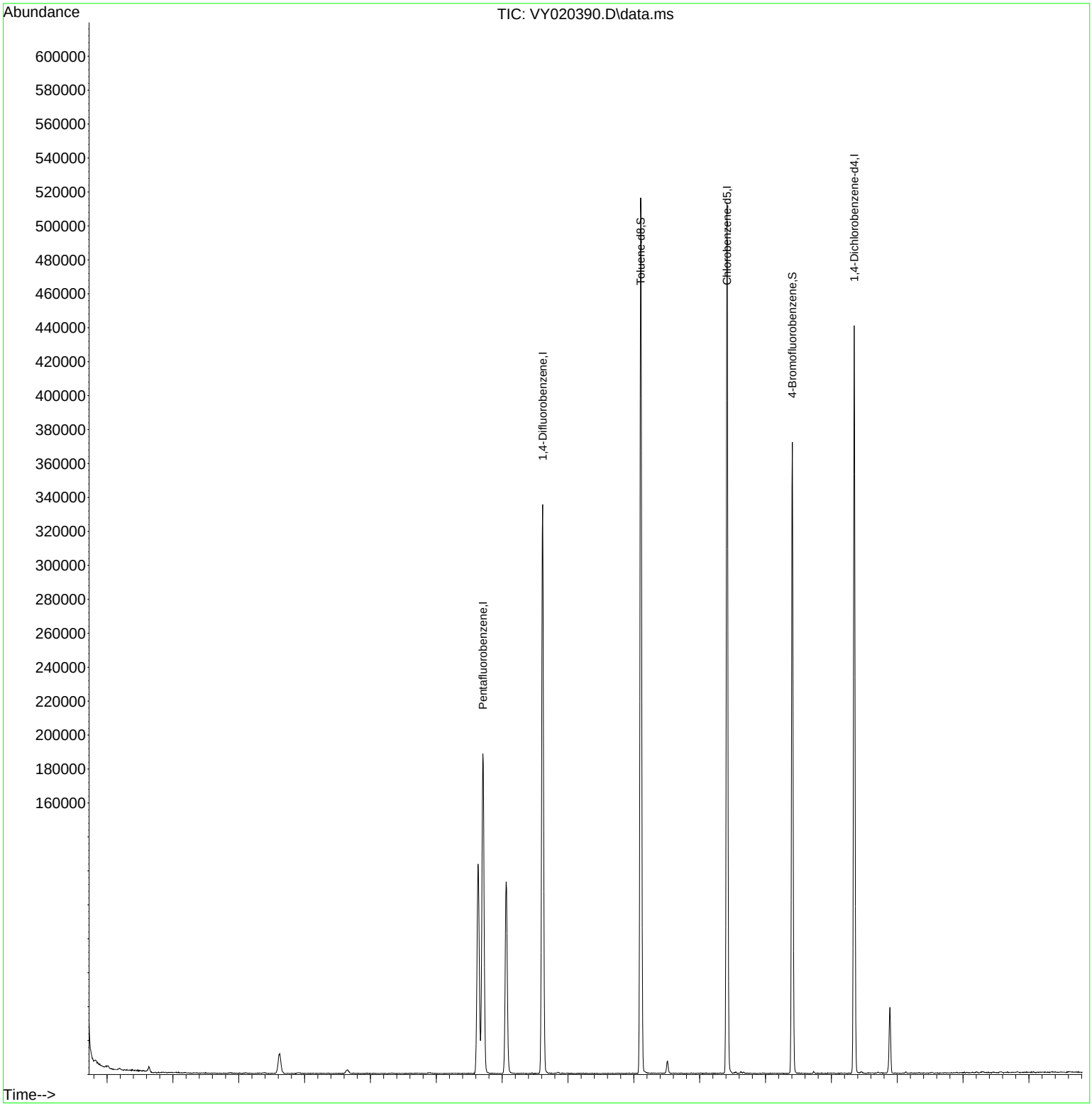
Target Compounds Qvalue

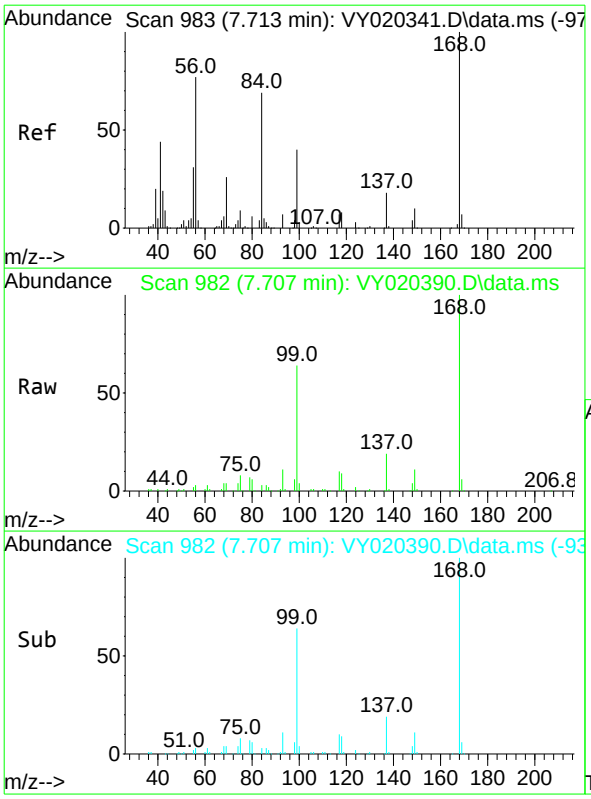
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Quant Time: Nov 22 00:26:36 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



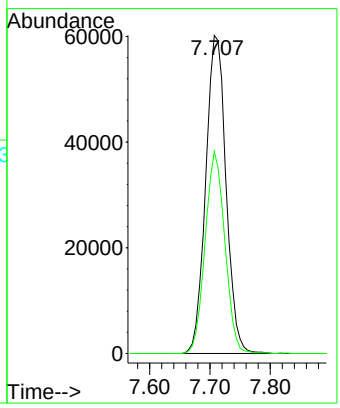


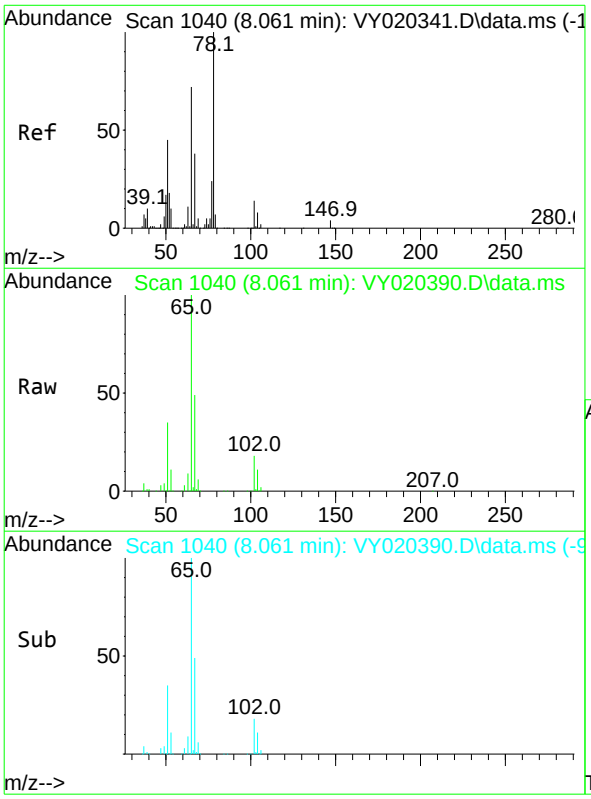
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. -0.006 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Tgt Ion:168 Resp: 140871

Ion	Ratio	Lower	Upper
168	100		
99	63.5	46.6	69.8

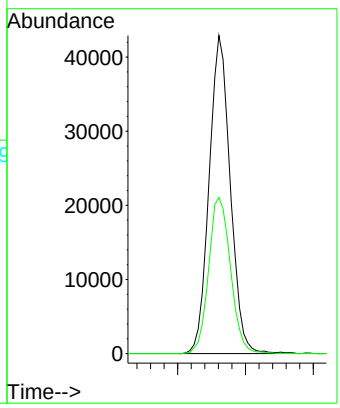


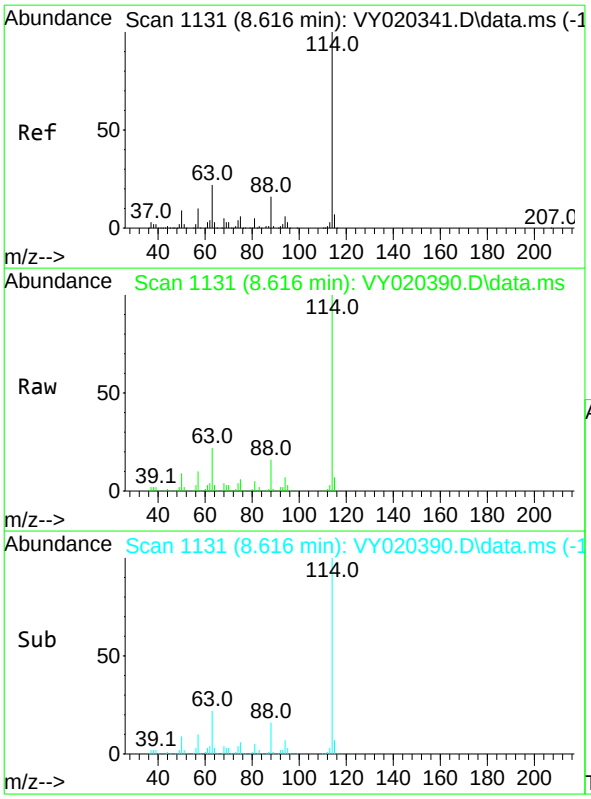


#33
1,2-Dichloroethane-d4
Concen: 57.421 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Tgt Ion: 65 Resp: 92933

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	105.8



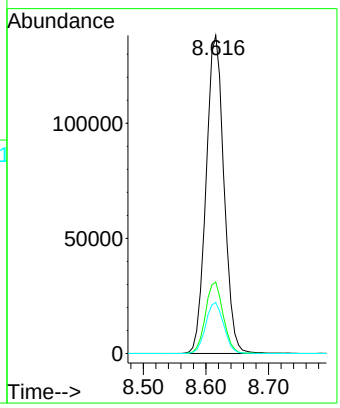


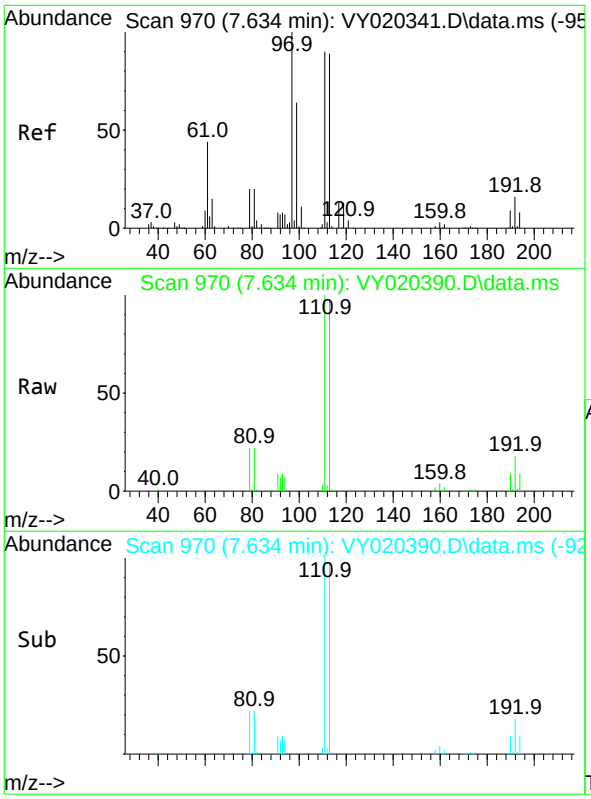
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Tgt Ion:114 Resp: 273565

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.8
88	16.0	0.0	32.0

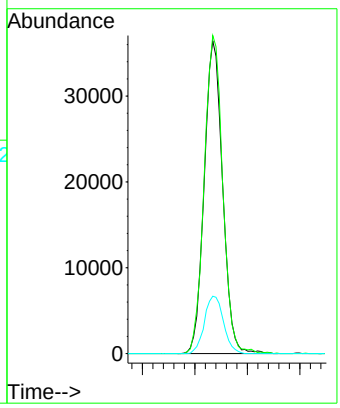


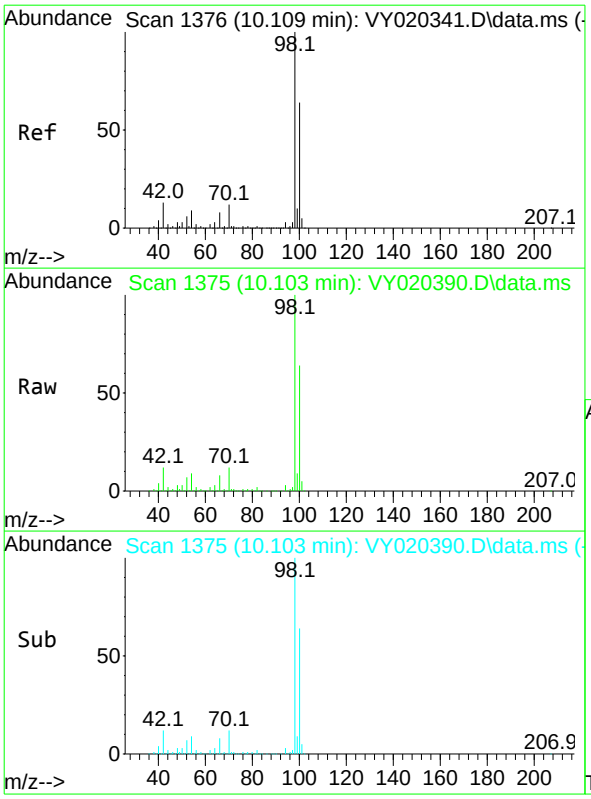


#35
Dibromofluoromethane
Concen: 50.485 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Tgt Ion:113 Resp: 88559

Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.0
192	19.1	15.1	22.7



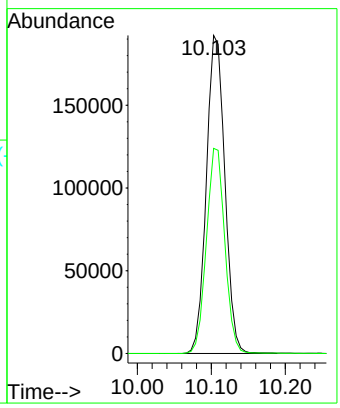


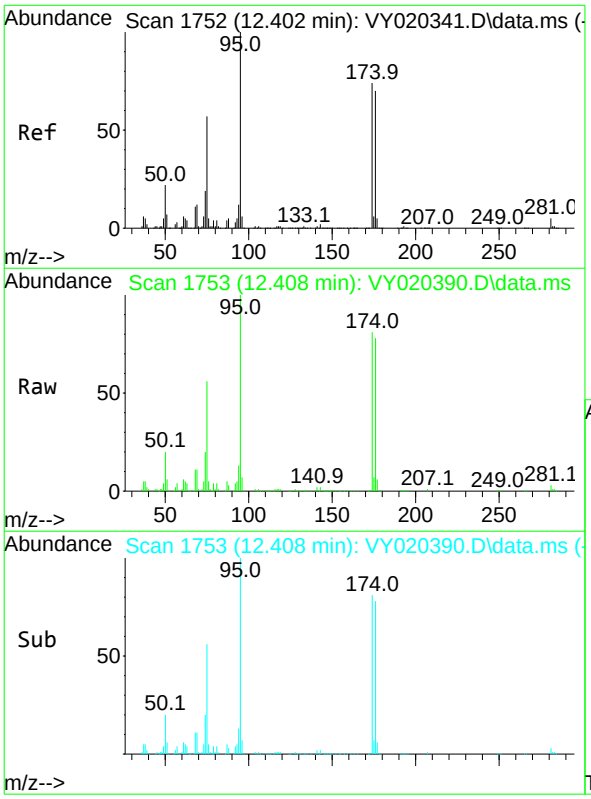
#50
Toluene-d8
Concen: 48.260 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

Tgt Ion: 98 Resp: 333481

Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9

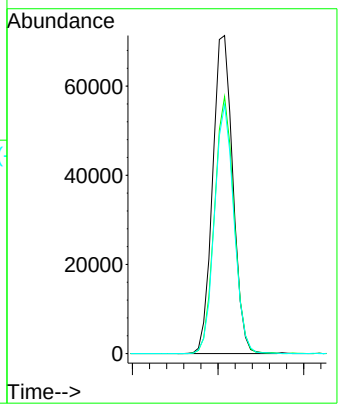




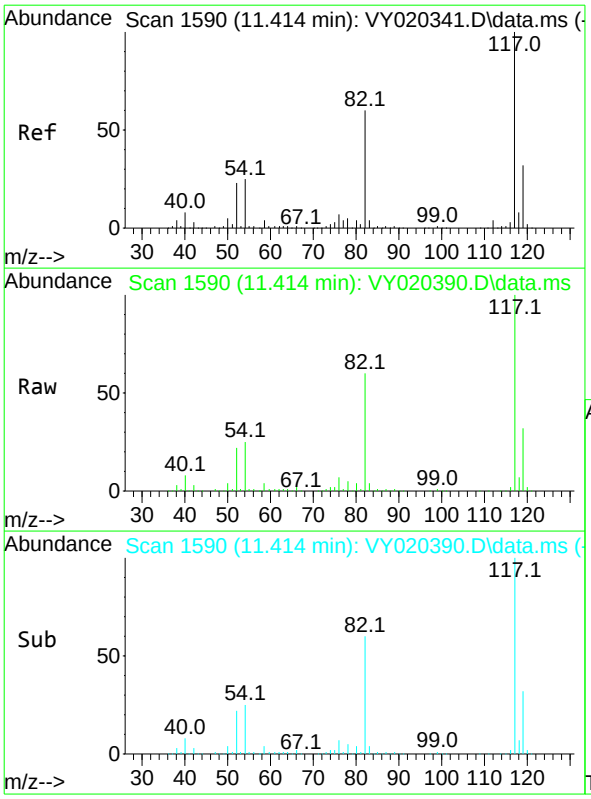
#62
4-Bromofluorobenzene
Concen: 52.638 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Tgt Ion: 95 Resp: 116929

Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	156.8
176	75.2	0.0	152.0



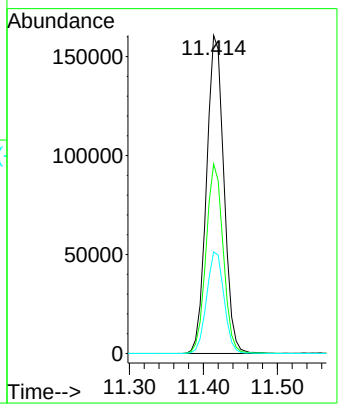
Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

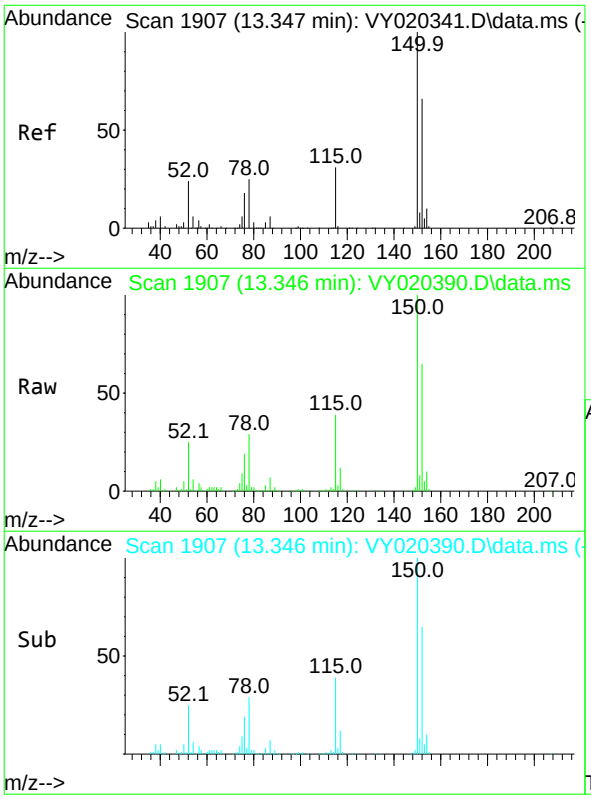


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Tgt Ion:117 Resp: 262252

Ion	Ratio	Lower	Upper
117	100		
82	59.6	48.2	72.4
119	31.9	25.8	38.8

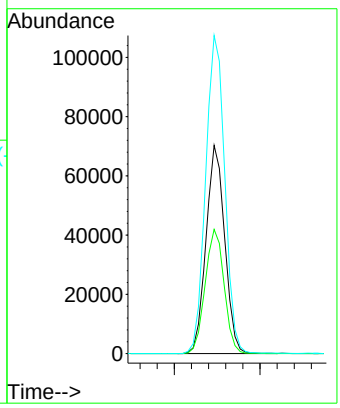




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020390.D
Acq: 21 Nov 2024 16:30

Tgt Ion:152 Resp: 106466

Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.0	90.0
150	156.6	0.0	348.2



Sample Results: **VY020390.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

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: VY020390.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	465	476	487	rBV2	11568	34997	3.89%	0.733%
2	7.634	961	970	976	rBV	123534	298051	33.13%	6.246%
3	7.707	976	982	999	rVB	188575	437911	48.68%	9.177%
4	8.061	1030	1040	1055	rBV	112877	251896	28.00%	5.279%
5	8.616	1121	1131	1145	rBV	335278	662855	73.69%	13.891%
6	10.103	1368	1375	1385	rBV	516009	899509	100.00%	18.850%
7	10.512	1434	1442	1451	rVB3	7289	13785	1.53%	0.289%
8	11.414	1583	1590	1604	rVB	513018	827880	92.04%	17.349%
9	12.408	1746	1753	1765	rVB	371933	605181	67.28%	12.682%
10	13.346	1899	1907	1917	rBV	440698	675925	75.14%	14.165%
11	13.889	1988	1996	2003	rVB	38797	63866	7.10%	1.338%

Sum of corrected areas: 4771856

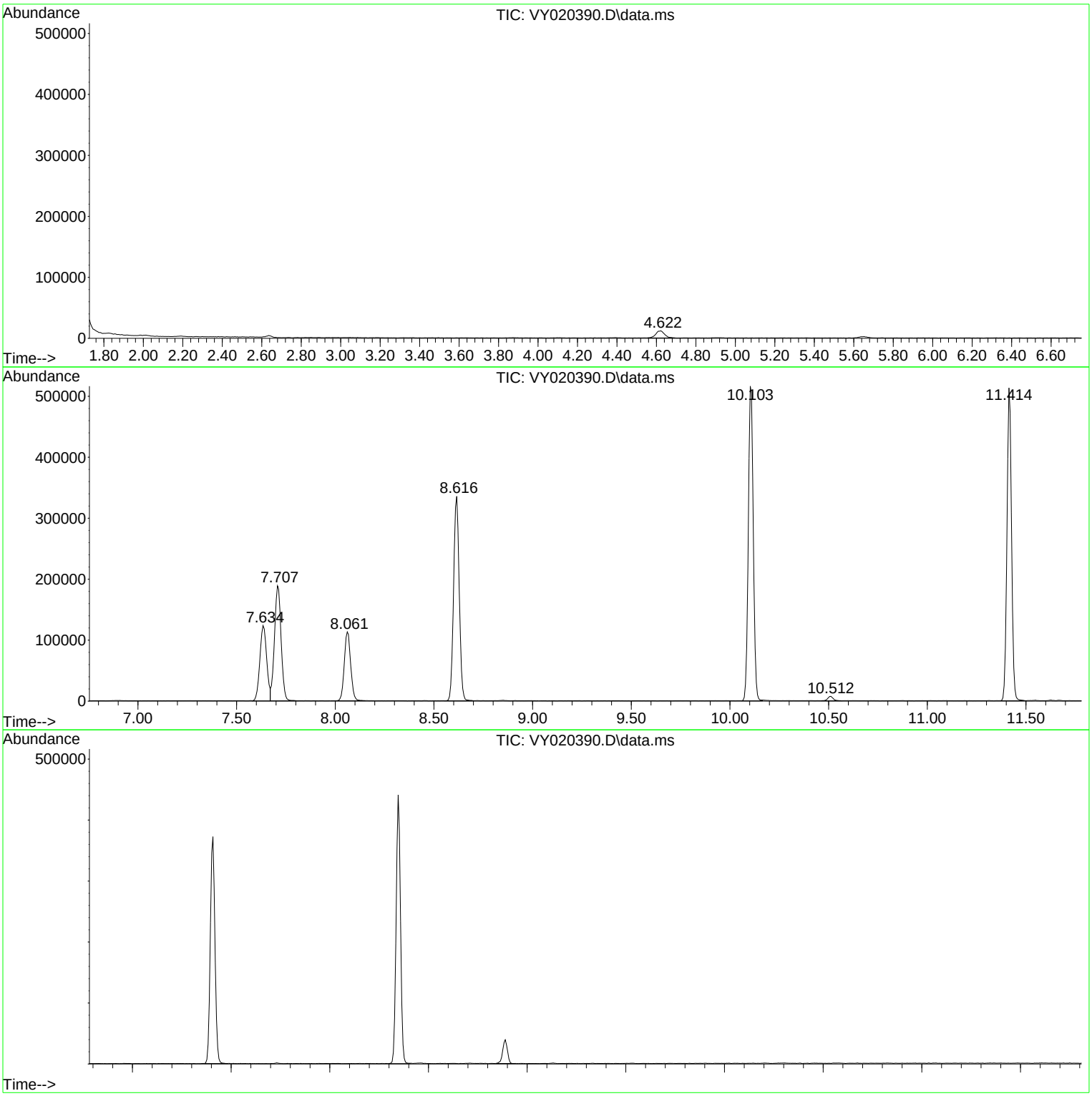
Sample Results: **VY020390.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

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 : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

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 : VY020390.D
Acq On : 21 Nov 2024 16:30
Operator : SY/MD
Sample : P4860-09
Misc : 6.28g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-006

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\VY112124\
Data File : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Quant Time: Nov 22 00:26:15 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	140636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	270374	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	252016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	101642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85018	52.618	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.240%			
35) Dibromofluoromethane	7.640	113	84394	48.678	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.360%			
50) Toluene-d8	10.103	98	327171	47.906	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.820%			
62) 4-Bromofluorobenzene	12.408	95	110710	50.427	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 100.860%			
Target Compounds						Qvalue

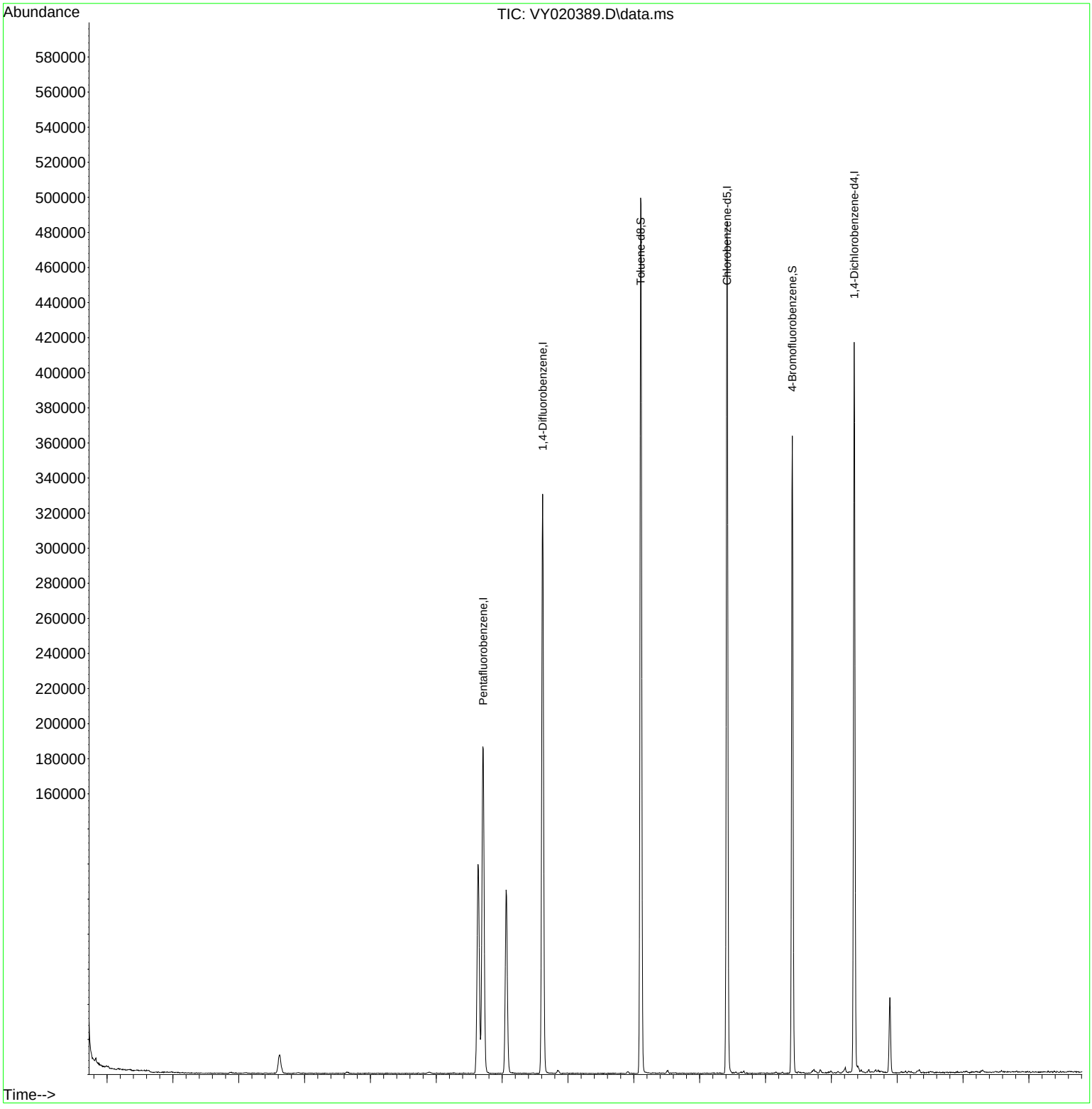
(#) = qualifier out of range (m) = manual integration (+) = signals summed

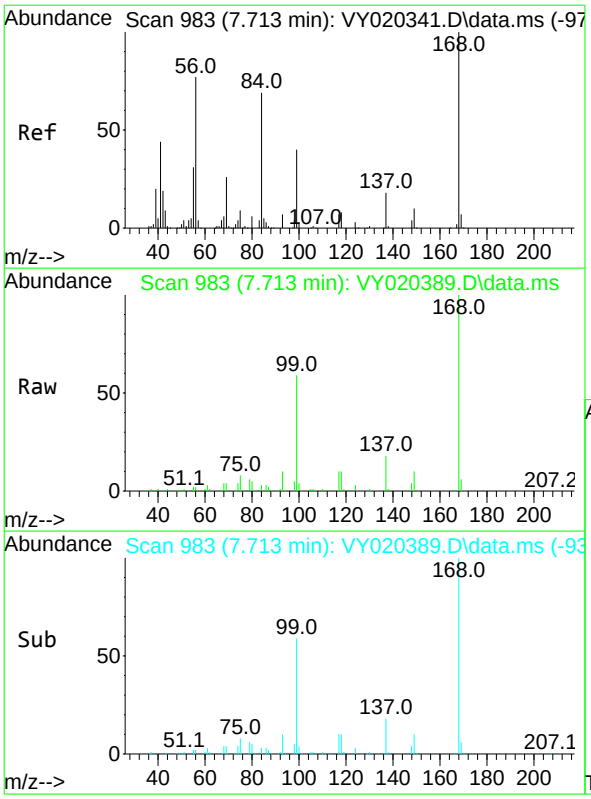
Sample Results: **VY020389.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Quant Time: Nov 22 00:26:15 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



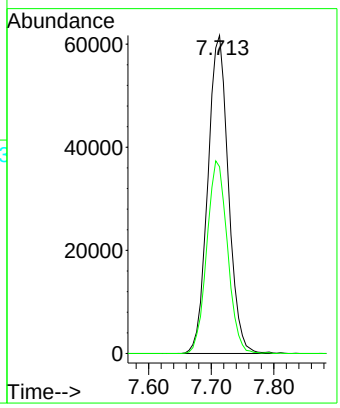


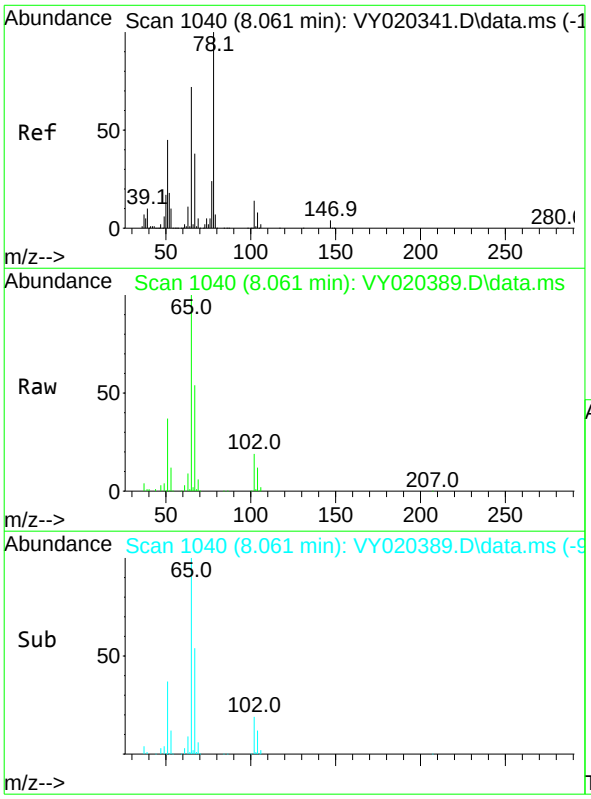
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Tgt Ion:168 Resp: 140636

Ion	Ratio	Lower	Upper
168	100		
99	58.7	46.6	69.8

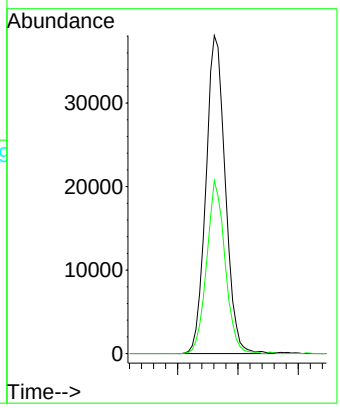


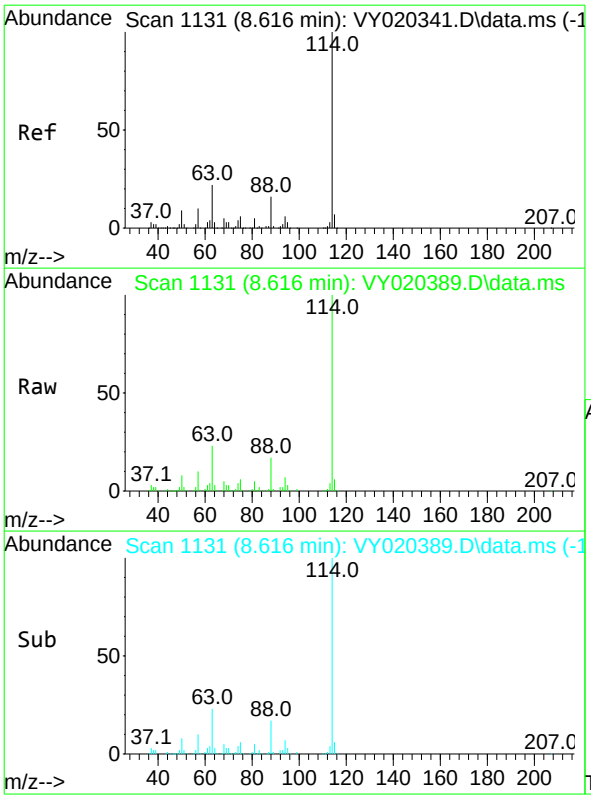


#33
1,2-Dichloroethane-d4
Concen: 52.618 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Tgt Ion: 65 Resp: 85018

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.8



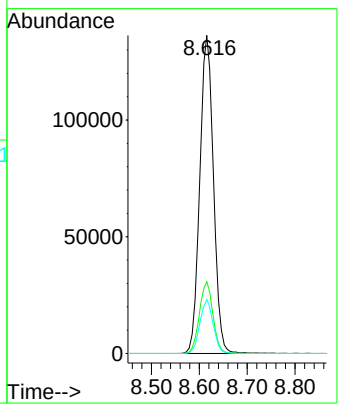


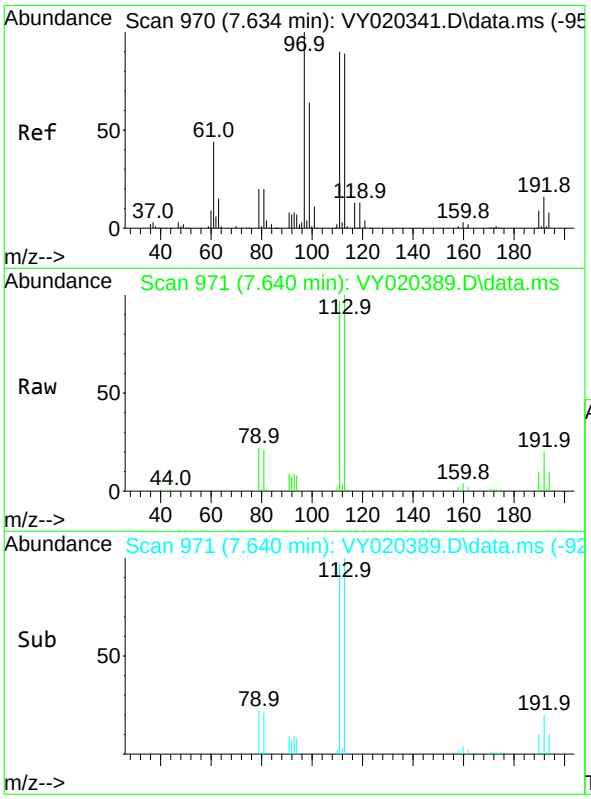
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Tgt Ion:114 Resp: 270374

Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	44.8
88	17.0	0.0	32.0

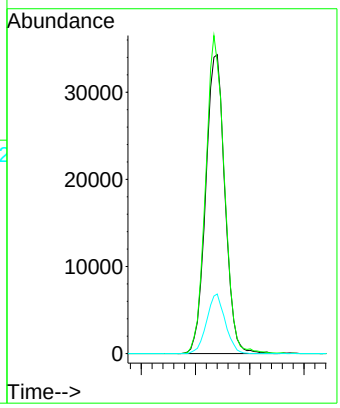


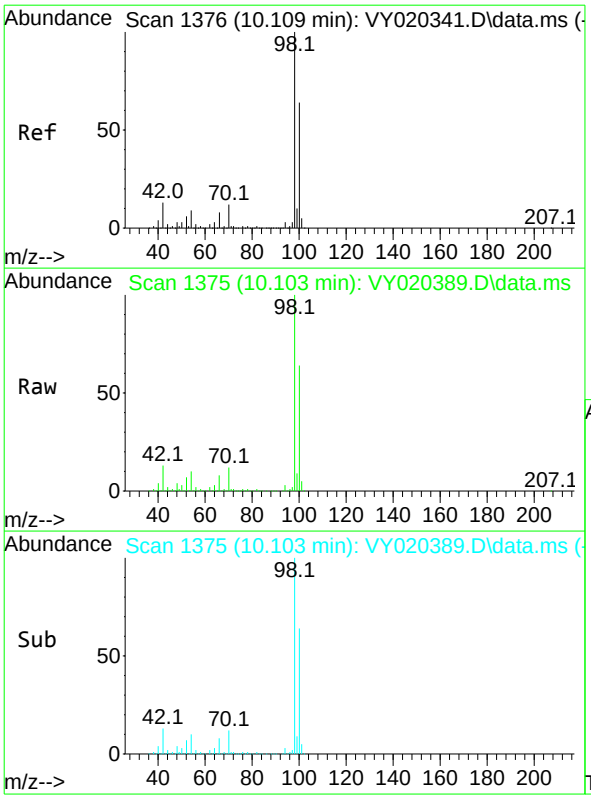


#35
Dibromofluoromethane
Concen: 48.678 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Tgt Ion:113 Resp: 84394

Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.4	122.0
192	19.3	15.1	22.7



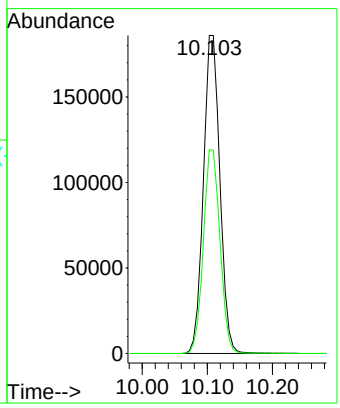


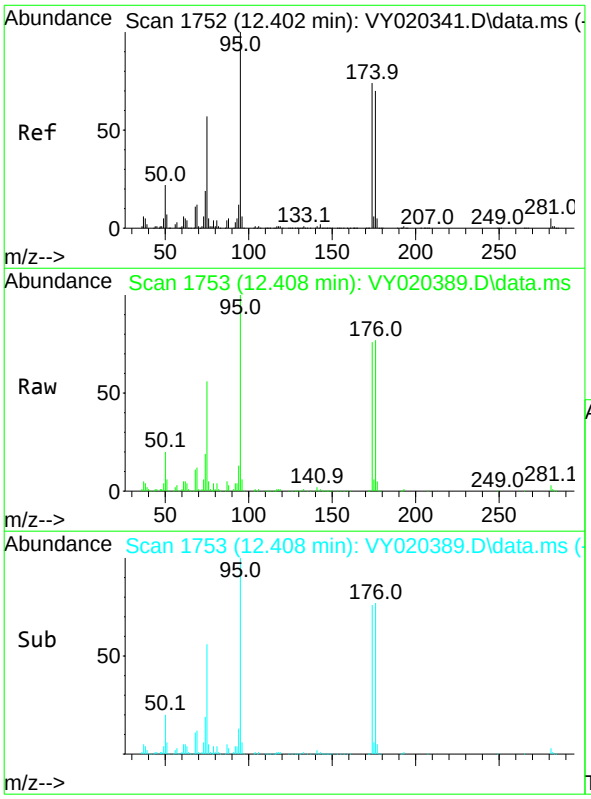
#50
Toluene-d8
Concen: 47.906 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Tgt Ion: 98 Resp: 327171

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.3	76.9

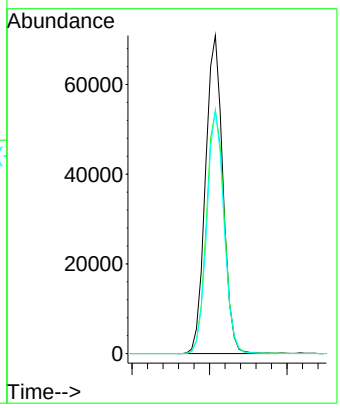


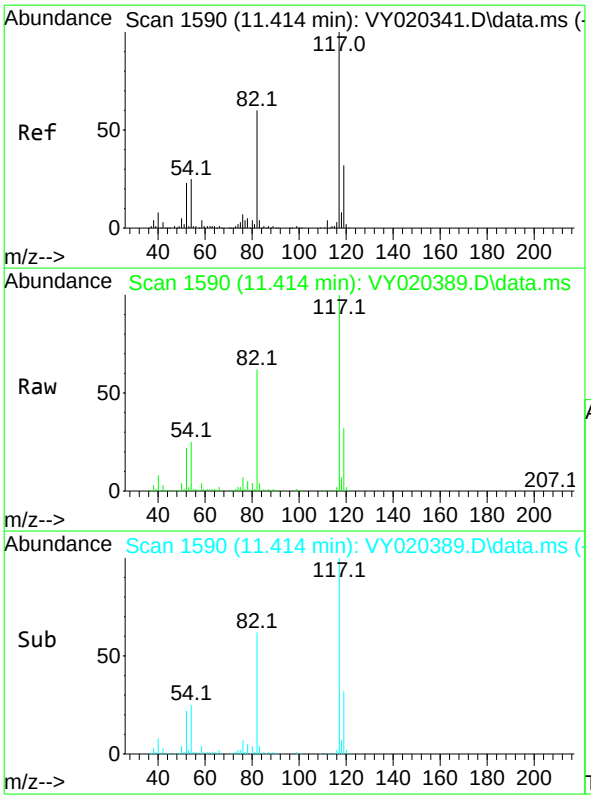


#62
4-Bromofluorobenzene
Concen: 50.427 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Tgt Ion: 95 Resp: 110710

Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	156.8
176	75.3	0.0	152.0



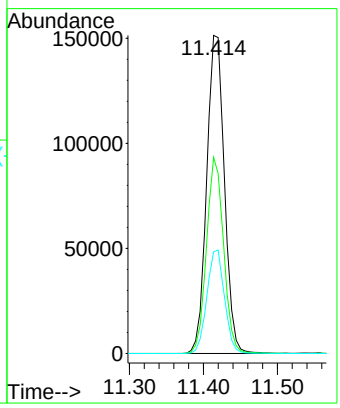


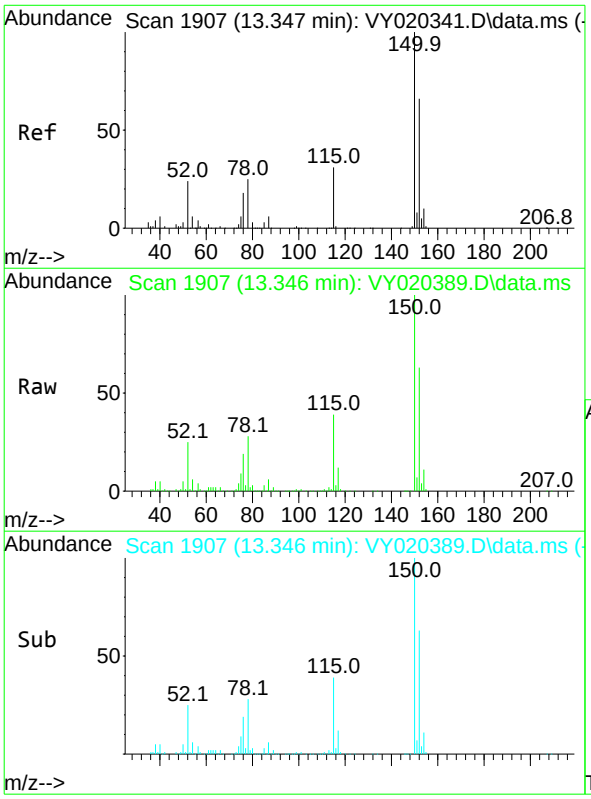
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

Tgt Ion:117 Resp: 252016

Ion	Ratio	Lower	Upper
117	100		
82	61.7	48.2	72.4
119	32.0	25.8	38.8

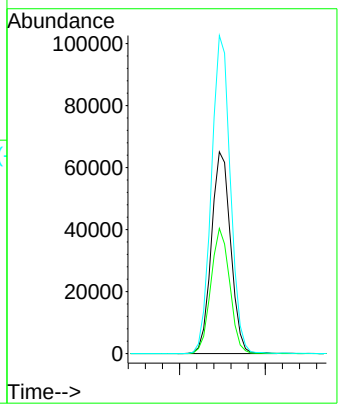




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020389.D
Acq: 21 Nov 2024 16:06

Tgt Ion:152 Resp: 101642

Ion	Ratio	Lower	Upper
152	100		
115	60.6	30.0	90.0
150	155.2	0.0	348.2



Sample Results: **VY020389.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

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: VY020389.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	466	476	488	rBV3	10487	32035	3.63%	0.695%
2	7.634	958	970	976	rBV	119173	287111	32.55%	6.230%
3	7.707	976	982	995	rVB	185860	434380	49.24%	9.425%
4	8.061	1030	1040	1053	rBV	104608	229352	26.00%	4.977%
5	8.616	1122	1131	1142	rBV	330284	652998	74.03%	14.169%
6	10.103	1368	1375	1386	rBV	499068	882098	100.00%	19.140%
7	11.414	1583	1590	1603	rBV	485330	799502	90.64%	17.348%
8	12.408	1746	1753	1762	rBV	363271	578759	65.61%	12.558%
9	13.346	1897	1907	1914	rBV	416173	643431	72.94%	13.961%
10	13.889	1988	1996	2004	rVB	43008	68956	7.82%	1.496%

Sum of corrected areas: 4608622

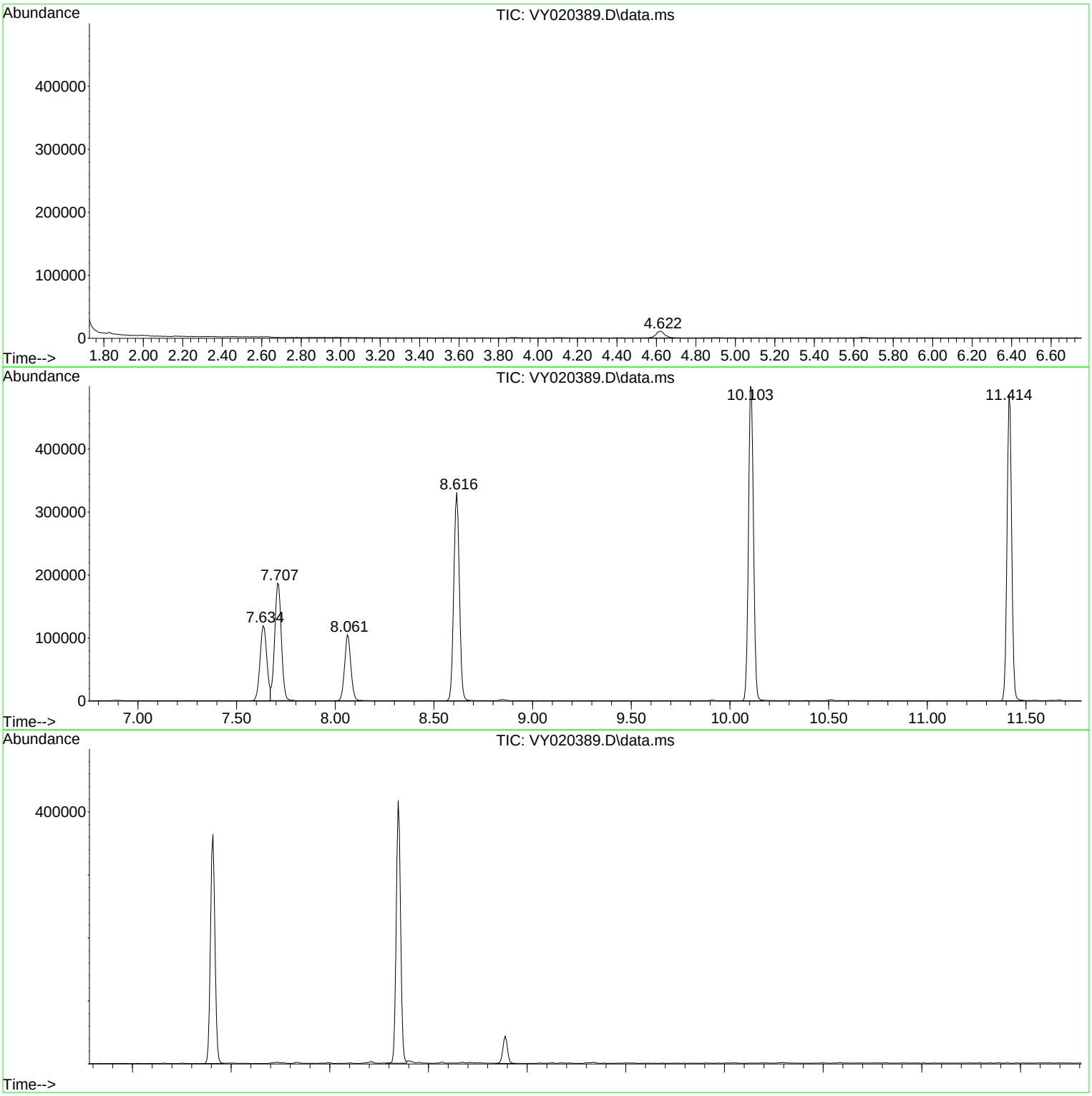
Sample Results: **VY020389.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

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 : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

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 : VY020389.D
Acq On : 21 Nov 2024 16:06
Operator : SY/MD
Sample : P4860-10
Misc : 5.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PH2-BOT-005

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_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Quant Time: Nov 19 04:43:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

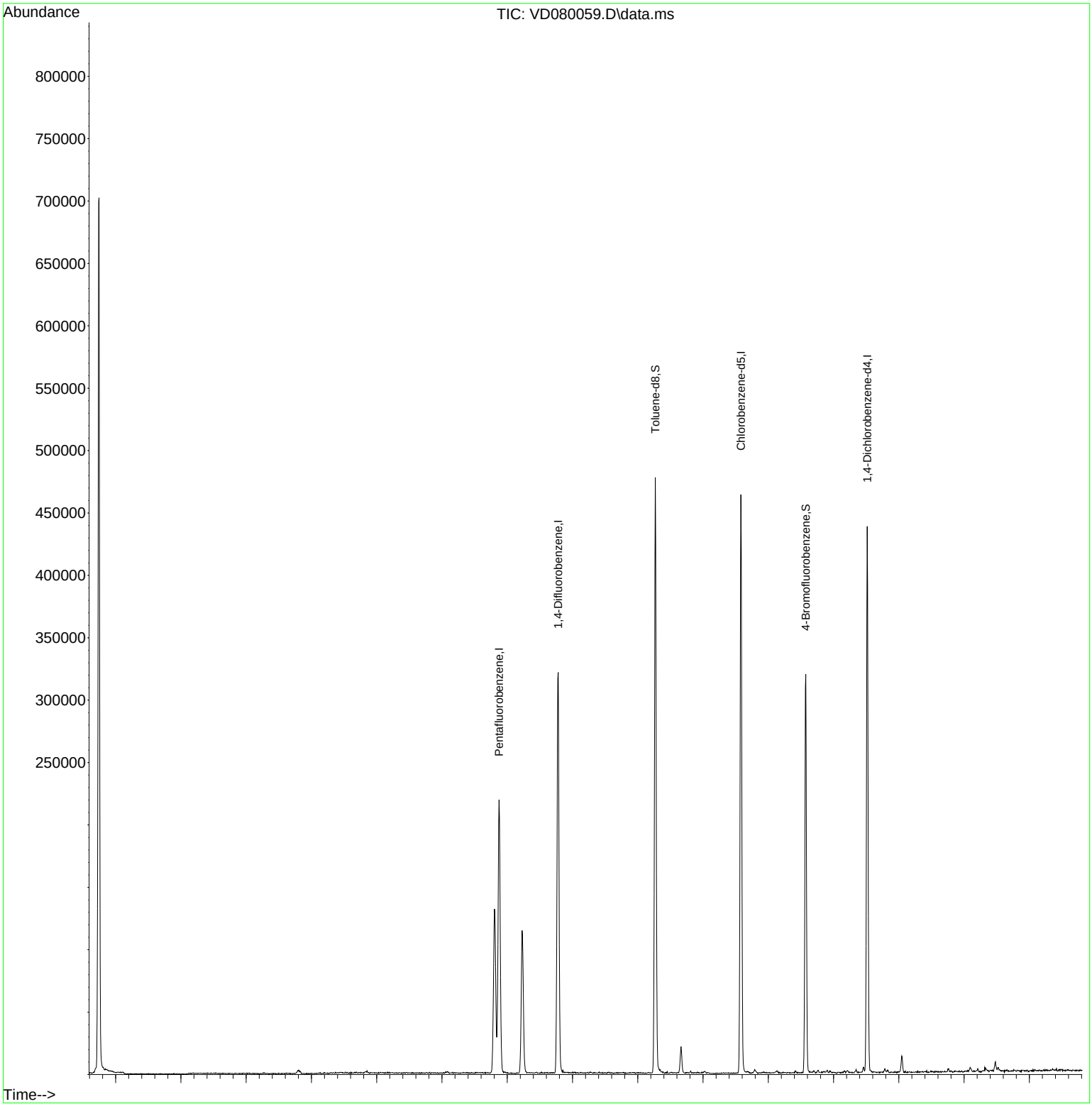
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	175706	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	294729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	273326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	122131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89573	49.513	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.020%		
35) Dibromofluoromethane	7.804	113	95998	48.941	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.880%		
50) Toluene-d8	10.269	98	328392	44.420	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.840%		
62) 4-Bromofluorobenzene	12.575	95	99895	41.185	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	82.360%		
Target Compounds						Qvalue

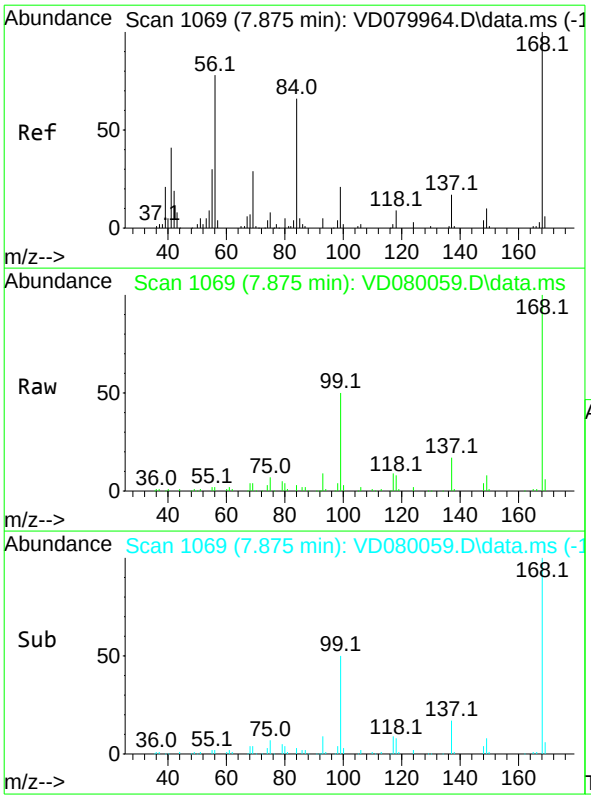
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Quant Time: Nov 19 04:43:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration



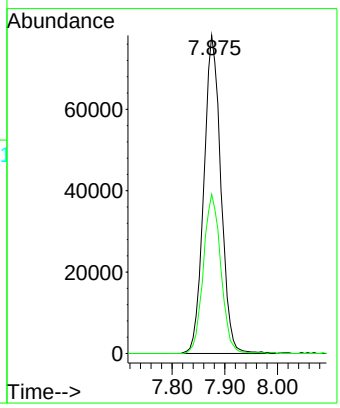


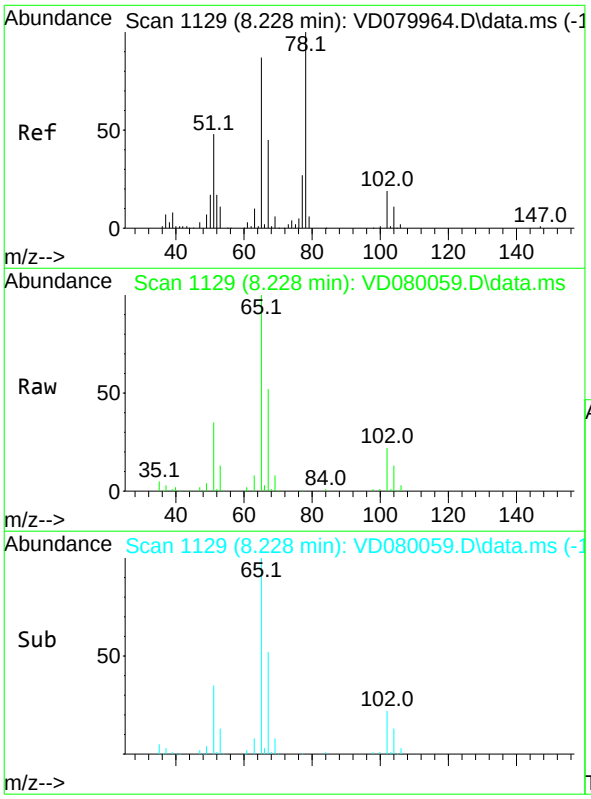
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Tgt Ion:168 Resp: 175706

Ion	Ratio	Lower	Upper
168	100		
99	50.0	46.0	69.0

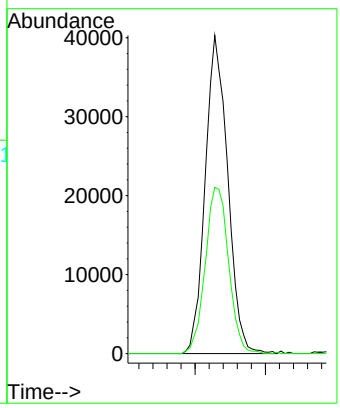


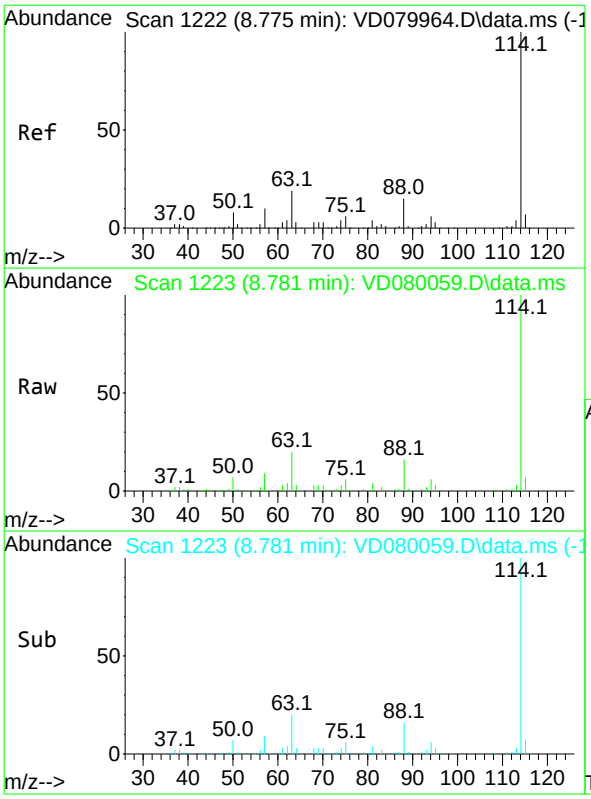


#33
1,2-Dichloroethane-d4
Concen: 49.513 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Tgt Ion: 65 Resp: 89573

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	109.2



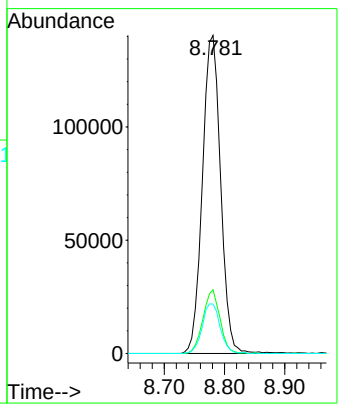


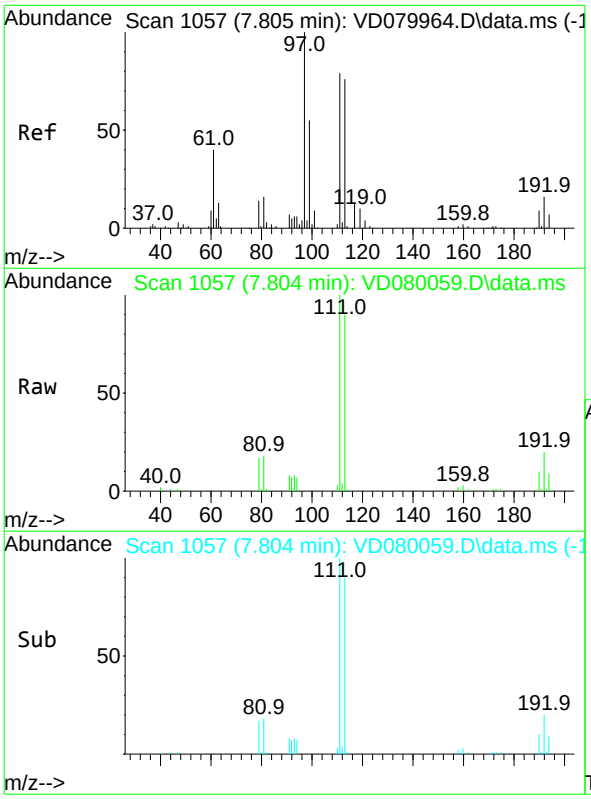
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Tgt Ion:114 Resp: 294729

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	38.8
88	15.5	0.0	30.6

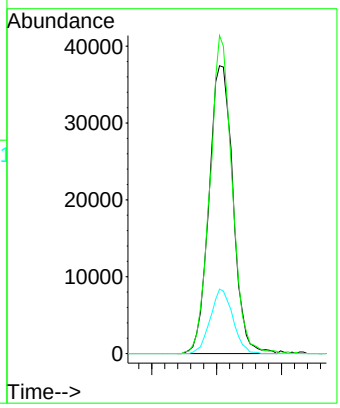


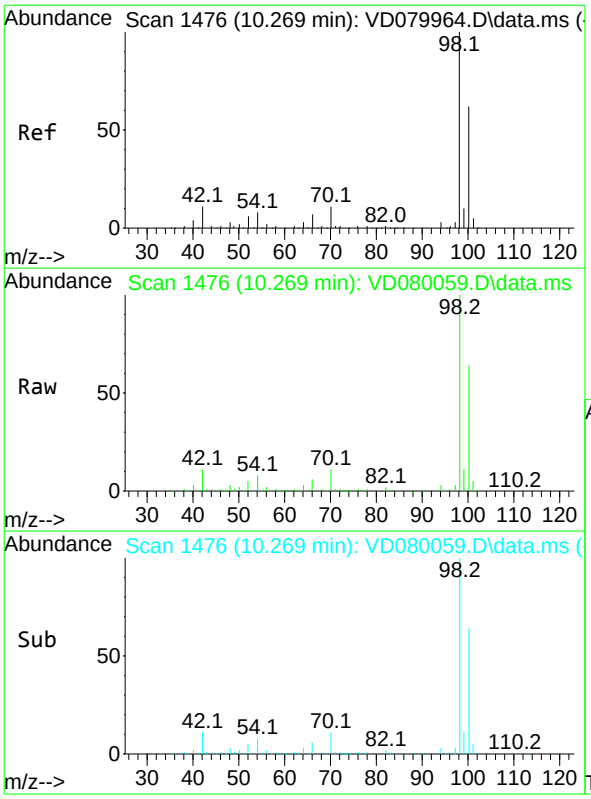


#35
Dibromofluoromethane
Concen: 48.941 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Tgt Ion:113 Resp: 95998

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.5	123.7
192	21.1	16.6	25.0



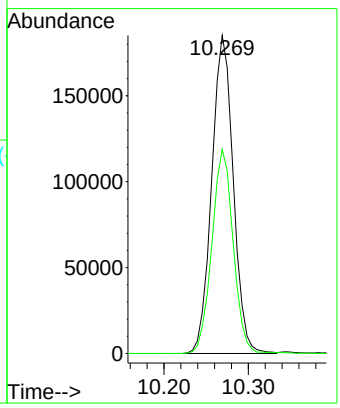


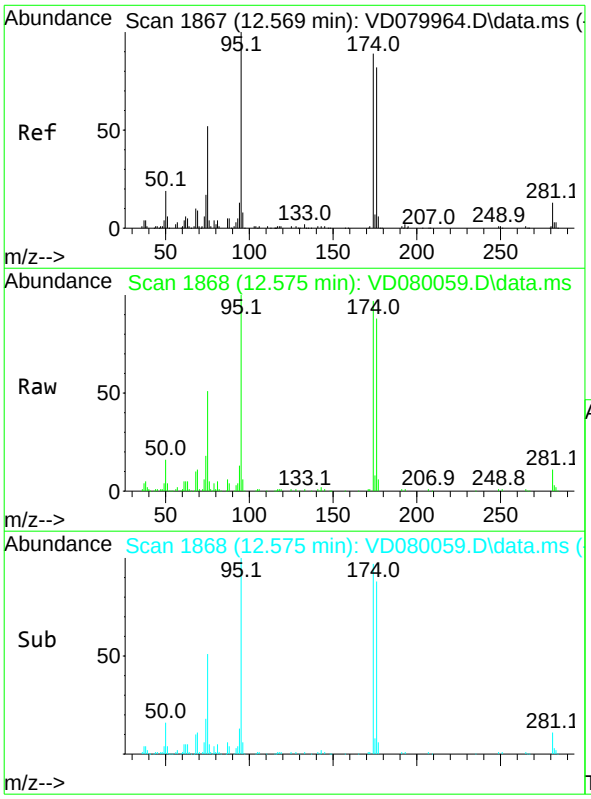
#50
Toluene-d8
Concen: 44.420 ug/l
RT: 10.269 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Tgt Ion: 98 Resp: 328392

Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.2	75.4

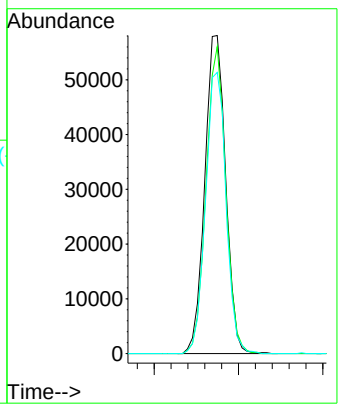


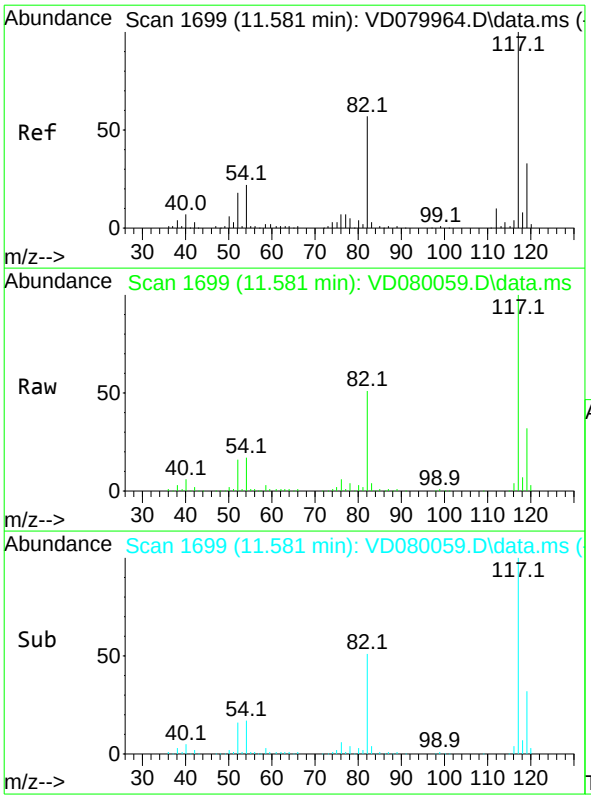


#62
4-Bromofluorobenzene
Concen: 41.185 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Tgt Ion: 95 Resp: 99895

Ion	Ratio	Lower	Upper
95	100		
174	90.8	0.0	173.4
176	86.6	0.0	166.6



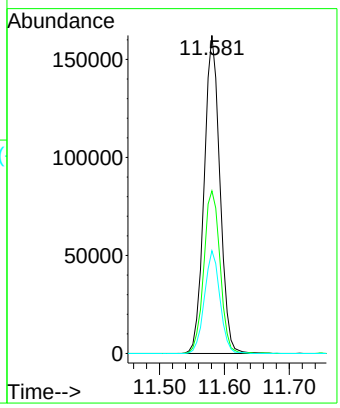


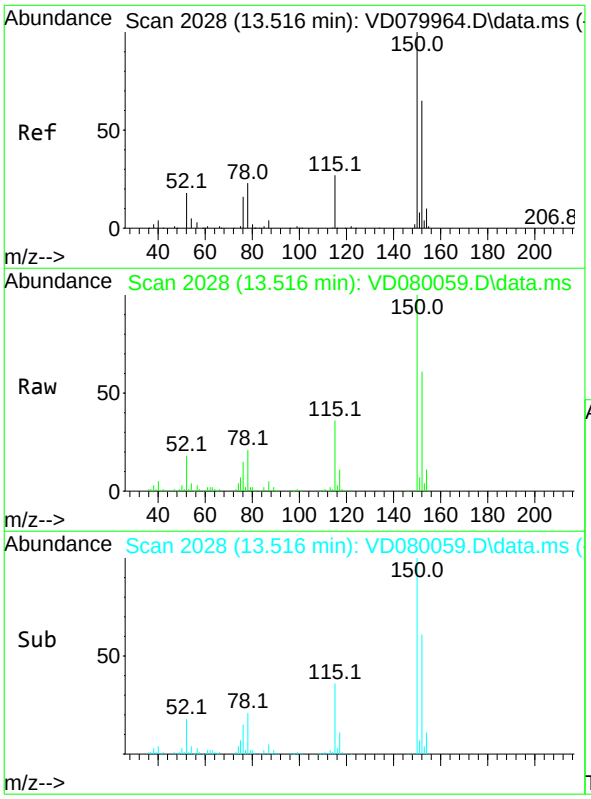
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 16
Delta R.T. -0.000 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Tgt Ion:117 Resp: 273326

Ion	Ratio	Lower	Upper
117	100		
82	51.1	45.8	68.6
119	32.3	26.2	39.2

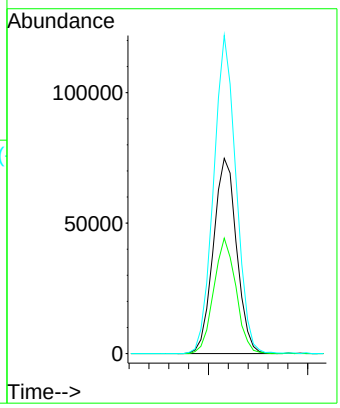




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD080059.D
Acq: 18 Nov 2024 10:27

Tgt Ion:152 Resp: 122131

Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.9	86.8
150	156.9	0.0	354.8



Sample Results: **VD080059.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

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_D\Method\82D111524S.M
Title : SW846 8260

Signal : TIC: VD080059.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.746	19	27	37	rBV	697362	1120192	100.00%	19.234%
2	7.804	1046	1057	1063	rBV	131431	319677	28.54%	5.489%
3	7.875	1063	1069	1081	rVB	218603	499658	44.60%	8.579%
4	8.228	1120	1129	1139	rBV2	114221	257654	23.00%	4.424%
5	8.781	1213	1223	1234	rBV	321152	670848	59.89%	11.519%
6	10.269	1467	1476	1487	rBV	477239	847680	75.67%	14.555%
7	10.663	1537	1543	1553	rVB2	21312	38245	3.41%	0.657%
8	11.581	1691	1699	1710	rBV	463672	794131	70.89%	13.635%
9	12.575	1861	1868	1875	rBV	319151	533516	47.63%	9.161%
10	13.516	2021	2028	2035	rBV	436399	707754	63.18%	12.152%
11	14.045	2111	2118	2124	rVB2	13225	22016	1.97%	0.378%
12	15.481	2357	2362	2366	rBV4	7654	12704	1.13%	0.218%

Sum of corrected areas: 5824075

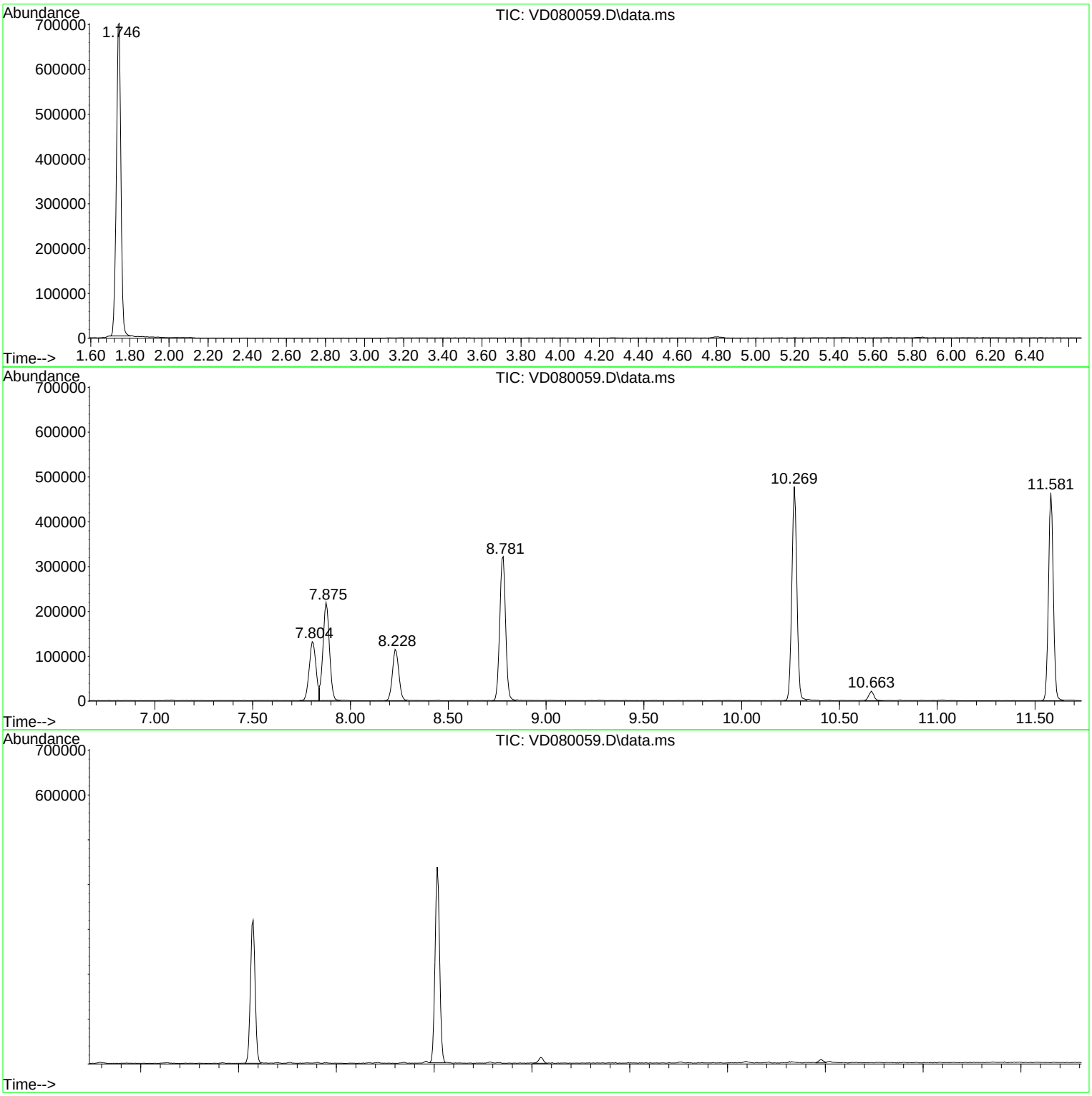
Sample Results: **VD080059.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VD080059.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080059.D
Acq On : 18 Nov 2024 10:27
Operator : RP/MD
Sample : VD1118SBL01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Quant Time: Nov 21 00:42:36 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

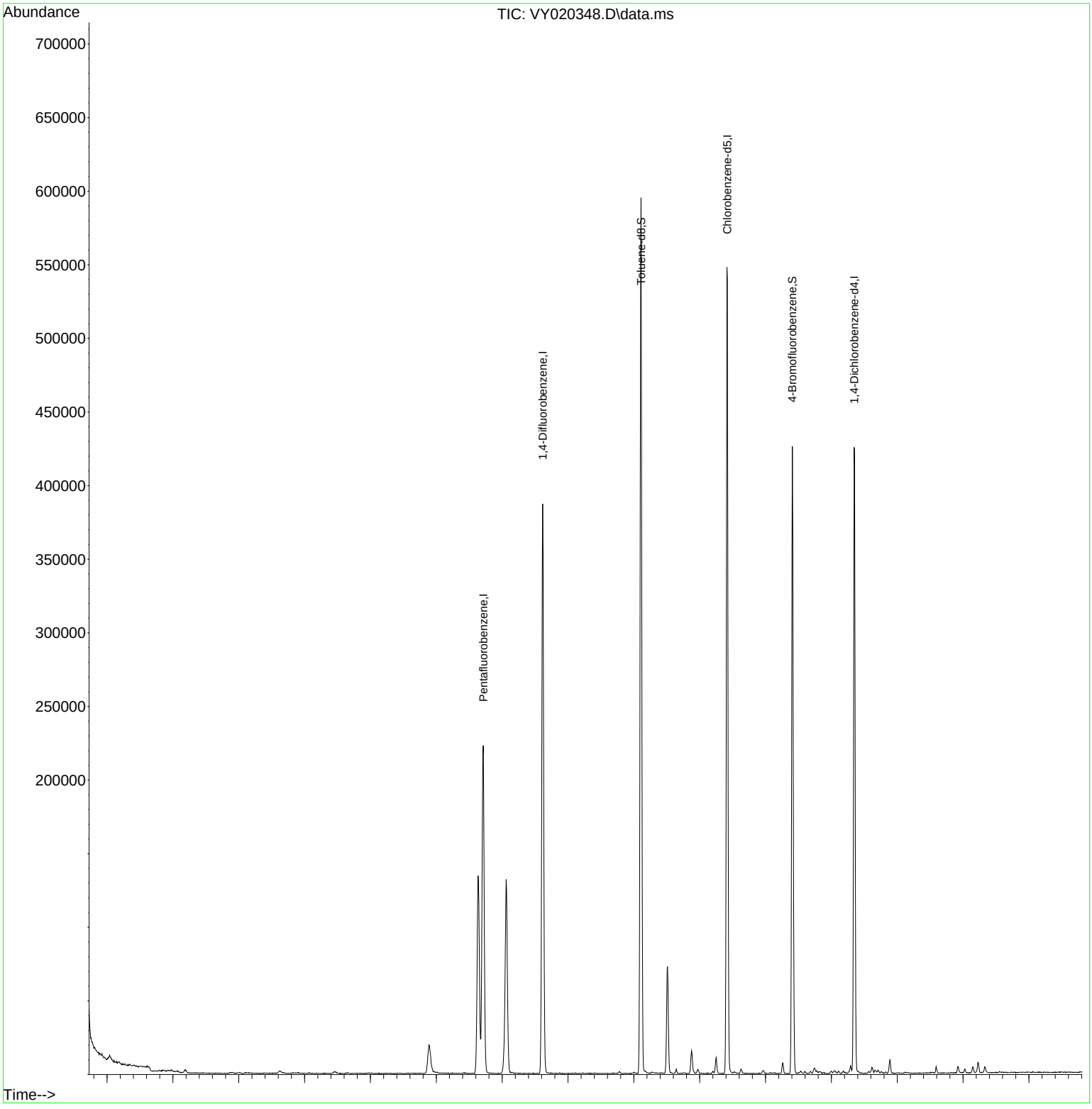
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	160712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	312610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	282610	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	104132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98287	53.232	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.460%			
35) Dibromofluoromethane	7.634	113	96868	48.324	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.640%			
50) Toluene-d8	10.109	98	379920	48.113	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.220%			
62) 4-Bromofluorobenzene	12.408	95	122604	48.299	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 96.600%			
Target Compounds						Qvalue

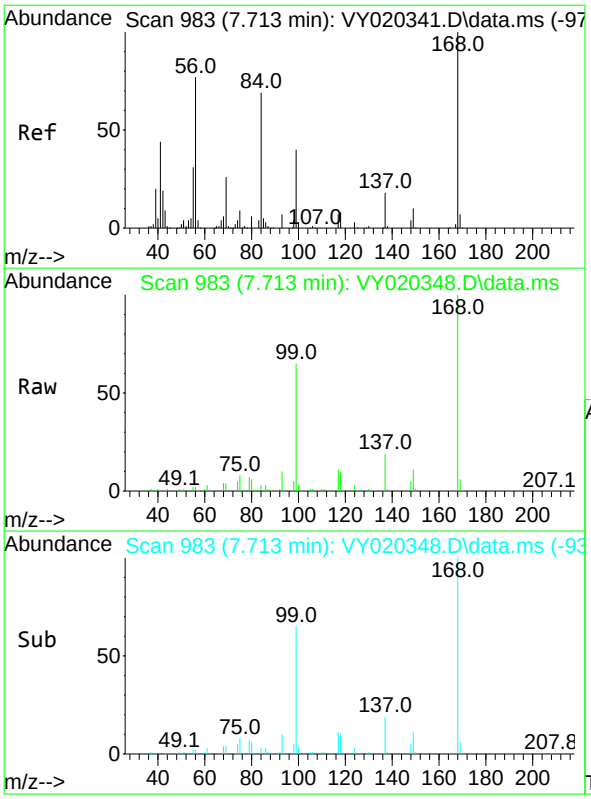
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Quant Time: Nov 21 00:42:36 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



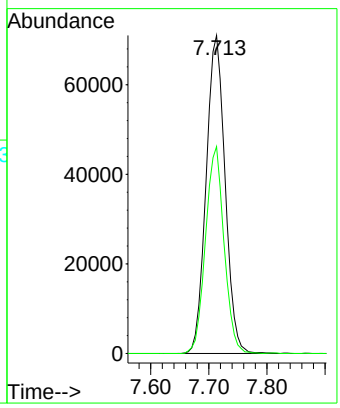


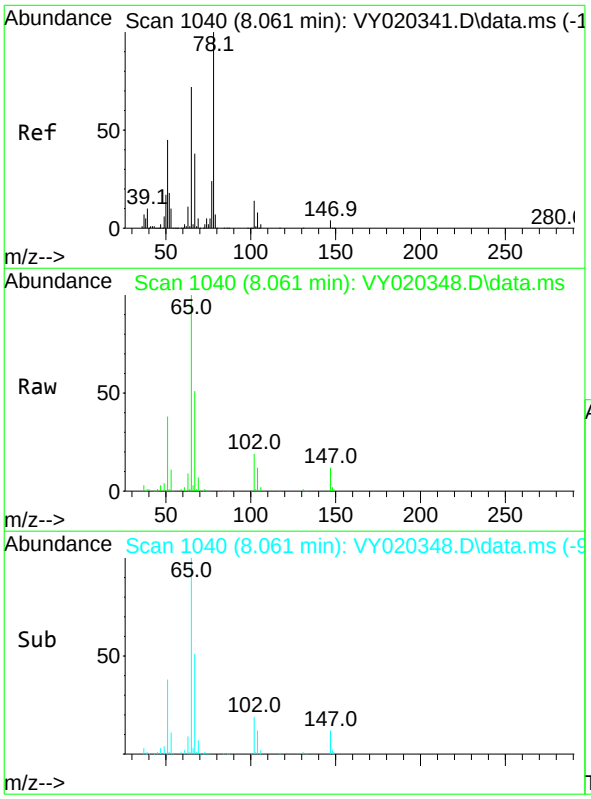
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Tgt Ion:168 Resp: 160712

Ion	Ratio	Lower	Upper
168	100		
99	65.0	46.6	69.8

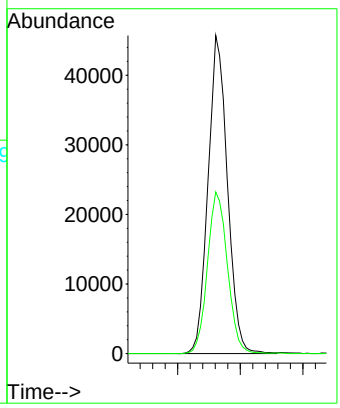


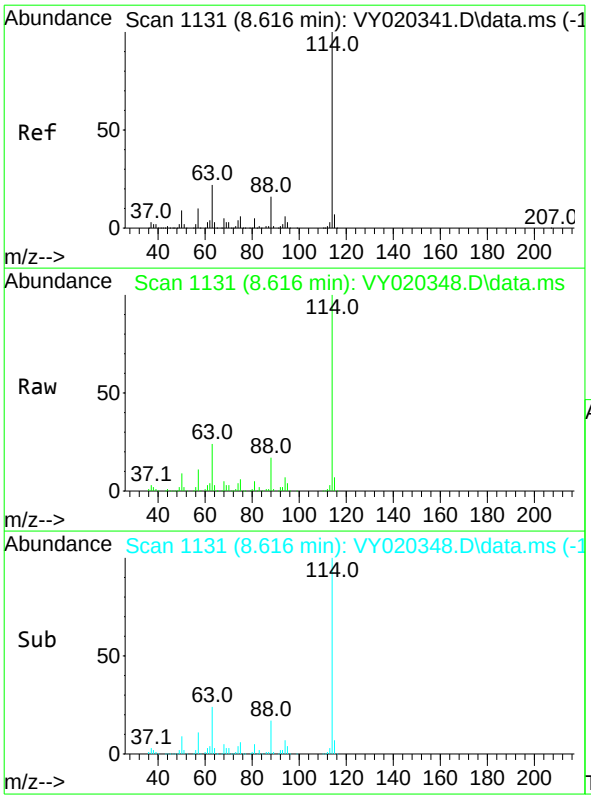


#33
1,2-Dichloroethane-d4
Concen: 53.232 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Tgt Ion: 65 Resp: 98287

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	105.8



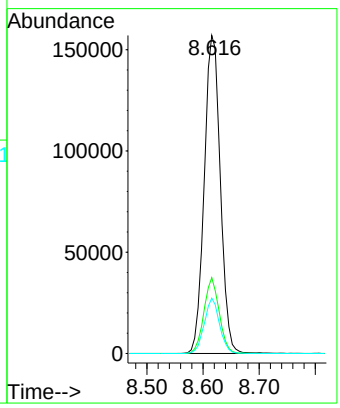


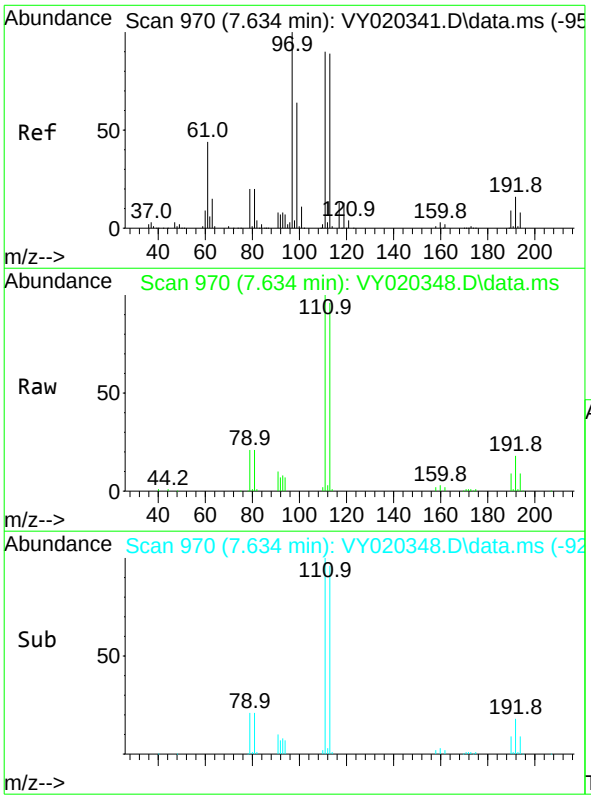
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Tgt Ion:114 Resp: 312610

Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	44.8
88	17.4	0.0	32.0

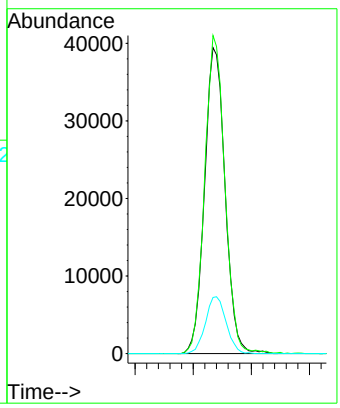


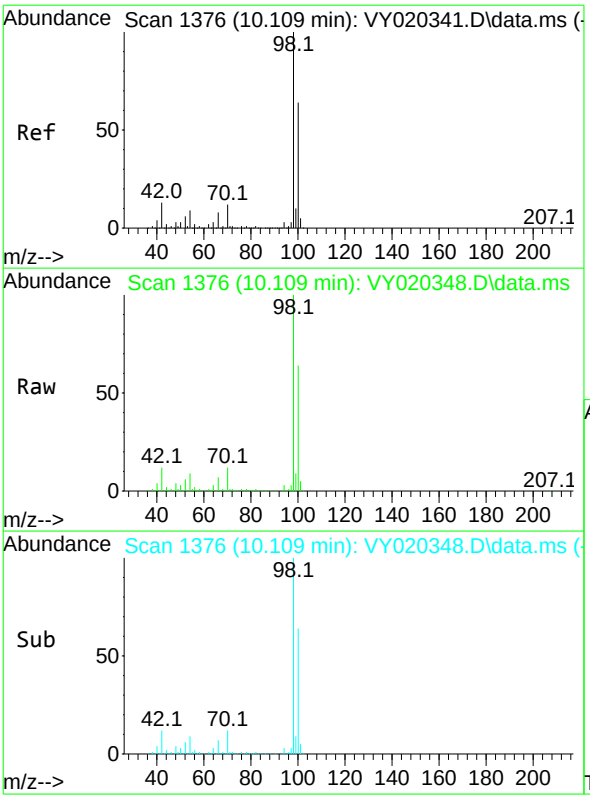


#35
Dibromofluoromethane
Concen: 48.324 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Tgt Ion:113 Resp: 96868

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	18.7	15.1	22.7



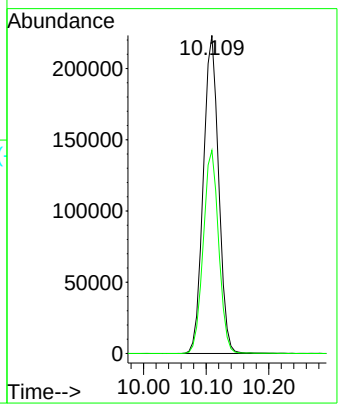


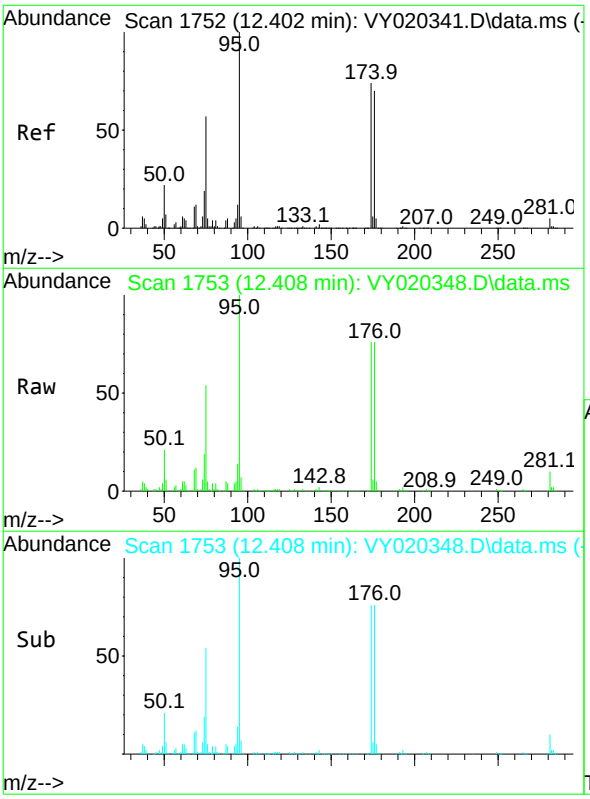
#50
Toluene-d8
Concen: 48.113 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Tgt Ion: 98 Resp: 379920

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.3	76.9

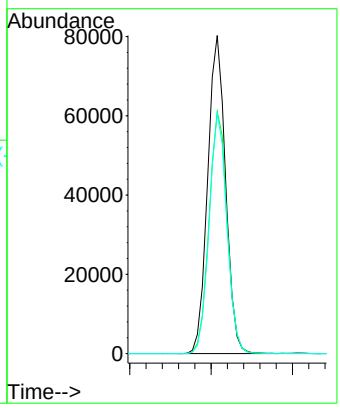


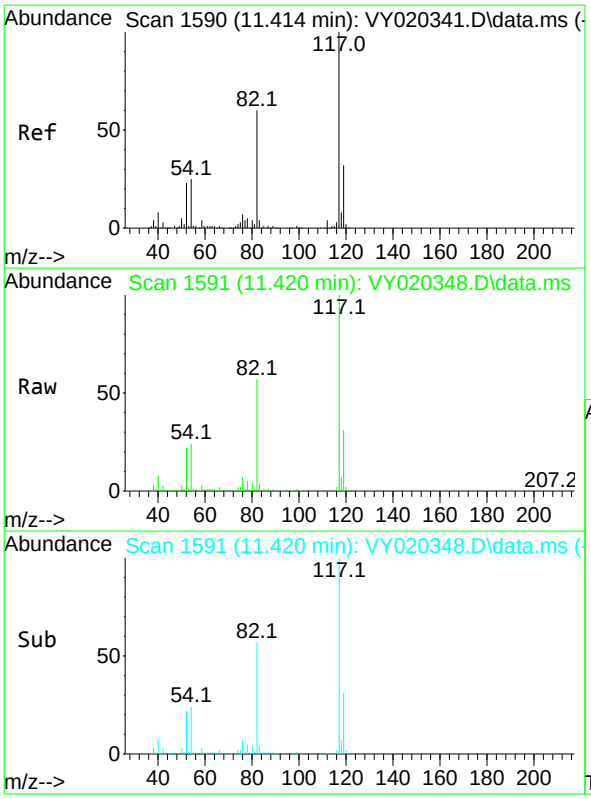


#62
4-Bromofluorobenzene
Concen: 48.299 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Tgt Ion: 95 Resp: 122604

Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	156.8
176	74.4	0.0	152.0



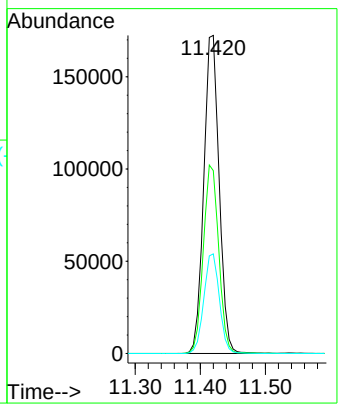


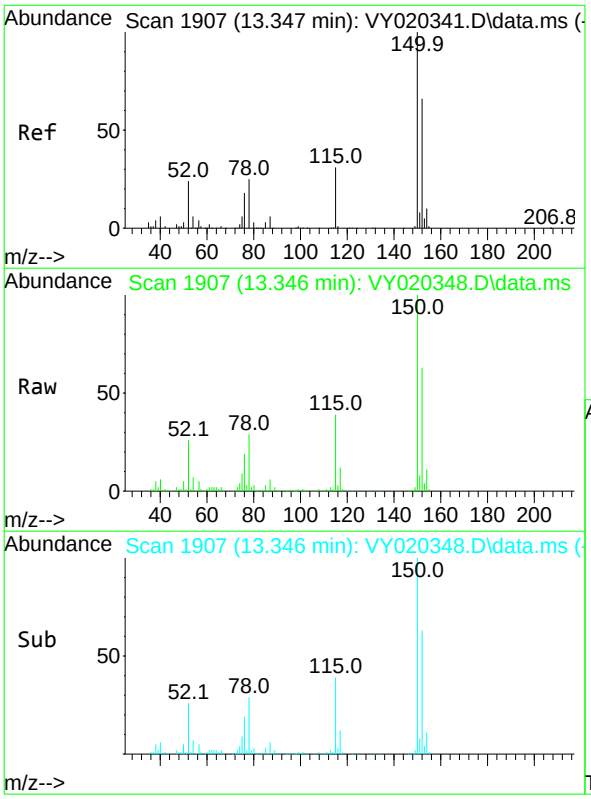
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

Tgt Ion:117 Resp: 282610

Ion	Ratio	Lower	Upper
117	100		
82	57.5	48.2	72.4
119	31.3	25.8	38.8

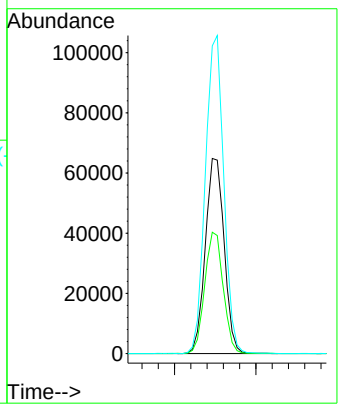




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY020348.D
Acq: 20 Nov 2024 10:07

Tgt Ion:152 Resp: 104132

Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.0	90.0
150	159.5	0.0	348.2



Sample Results: **VY020348.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

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: VY020348.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	836	848	858	rBV	19458	61951	6.02%	1.128%
2	7.634	961	970	977	rBV	134437	332264	32.28%	6.052%
3	7.713	977	983	993	rVB	222162	498269	48.41%	9.076%
4	8.061	1026	1040	1050	rBV2	131688	316038	30.70%	5.757%
5	8.616	1122	1131	1143	rBV	386949	758752	73.71%	13.821%
6	10.109	1367	1376	1385	rBV	594946	1029315	100.00%	18.750%
7	10.512	1435	1442	1449	rBV	72544	133669	12.99%	2.435%
8	10.877	1496	1502	1511	rBV	15267	28757	2.79%	0.524%
9	11.249	1558	1563	1571	rVB3	10748	17399	1.69%	0.317%
10	11.414	1582	1590	1604	rBV	547726	904377	87.86%	16.474%
11	12.261	1721	1729	1734	rBV2	7109	11177	1.09%	0.204%
12	12.408	1746	1753	1763	rVB2	425994	695263	67.55%	12.665%
13	13.346	1901	1907	1917	rVB	424383	674121	65.49%	12.280%
14	13.889	1989	1996	2002	rBV2	9229	15808	1.54%	0.288%
15	15.224	2211	2215	2222	rVV3	7229	12640	1.23%	0.230%

Sum of corrected areas: 5489800

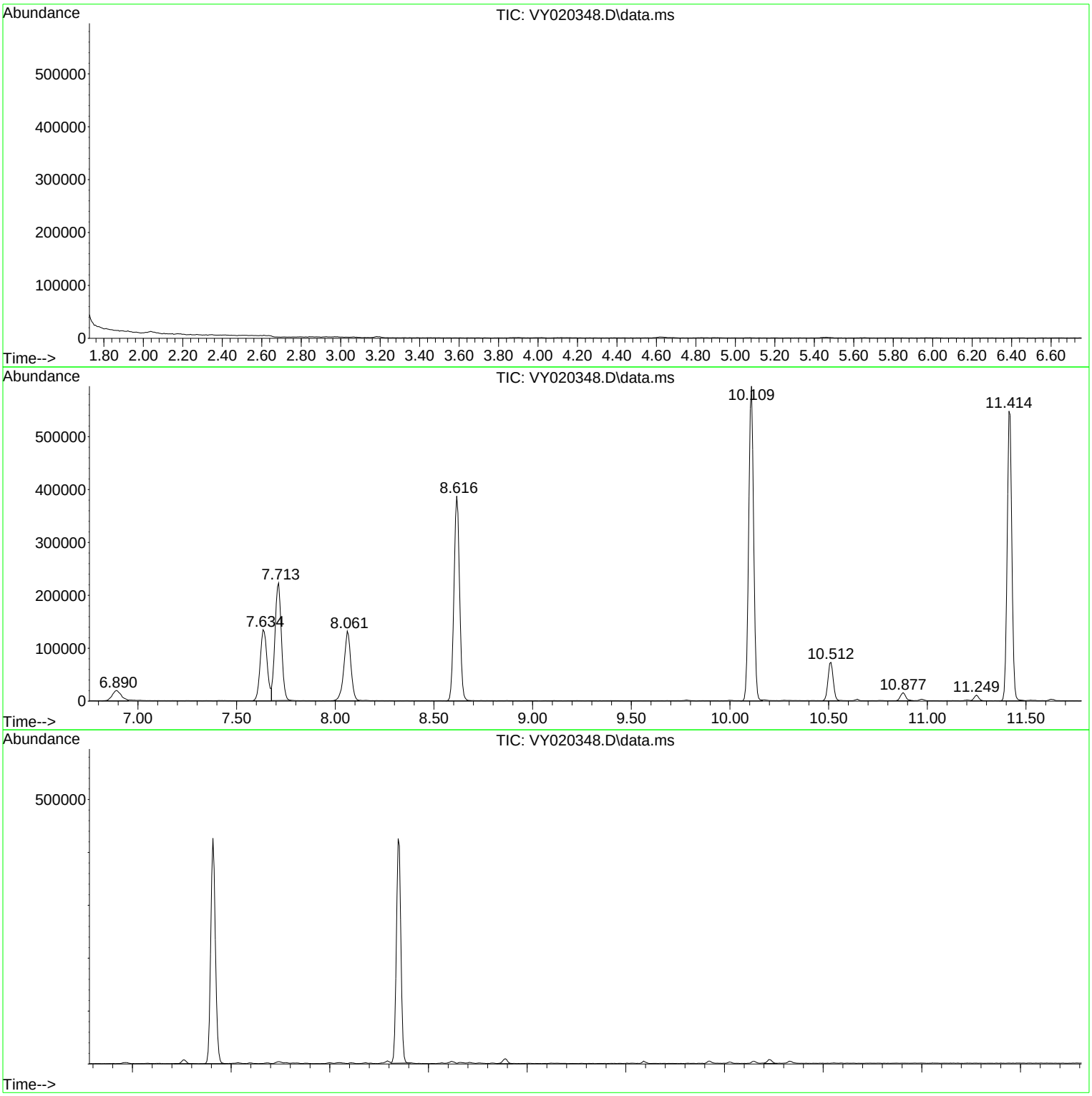
Sample Results: **VY020348.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

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: **VY020348.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

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
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No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020348.D
Acq On : 20 Nov 2024 10:07
Operator : SY/MD
Sample : VY1120SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1120SBL01

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\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

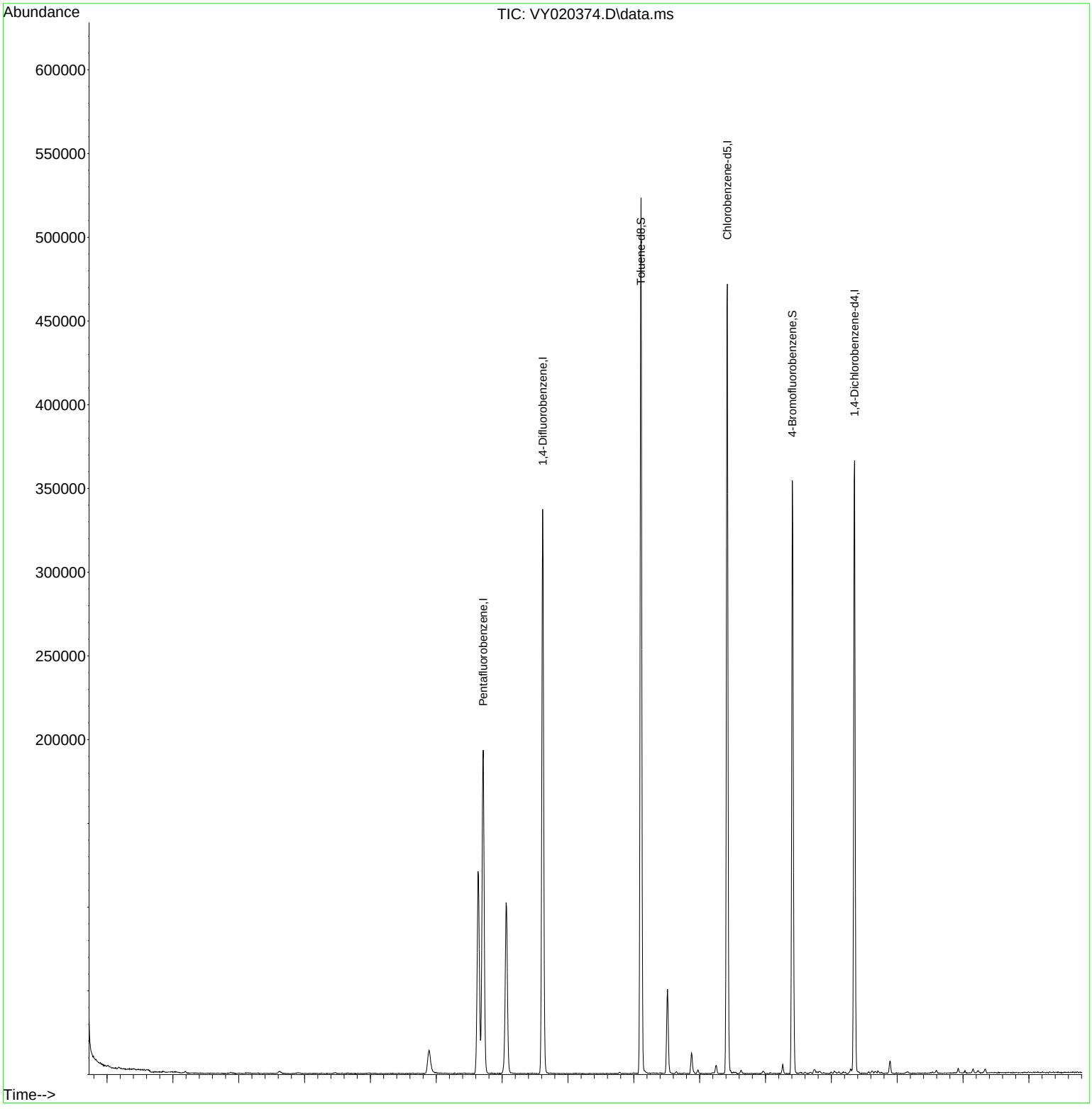
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	139506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	270751	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	245370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	89046	50.000	ug/l	0.00
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

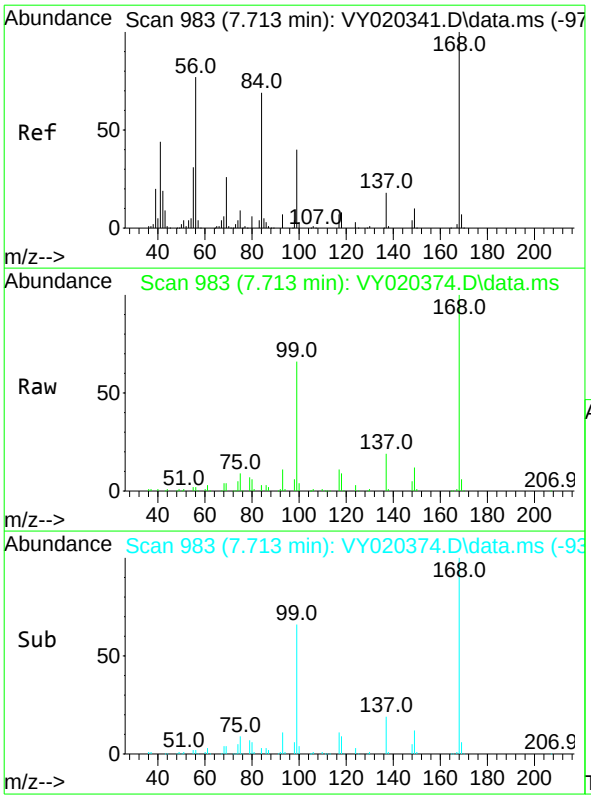
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



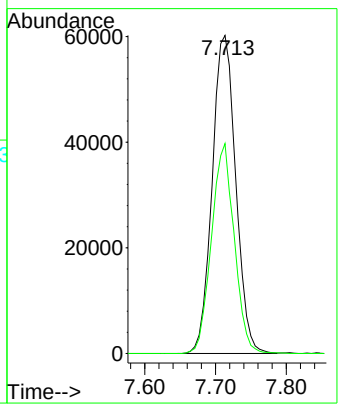


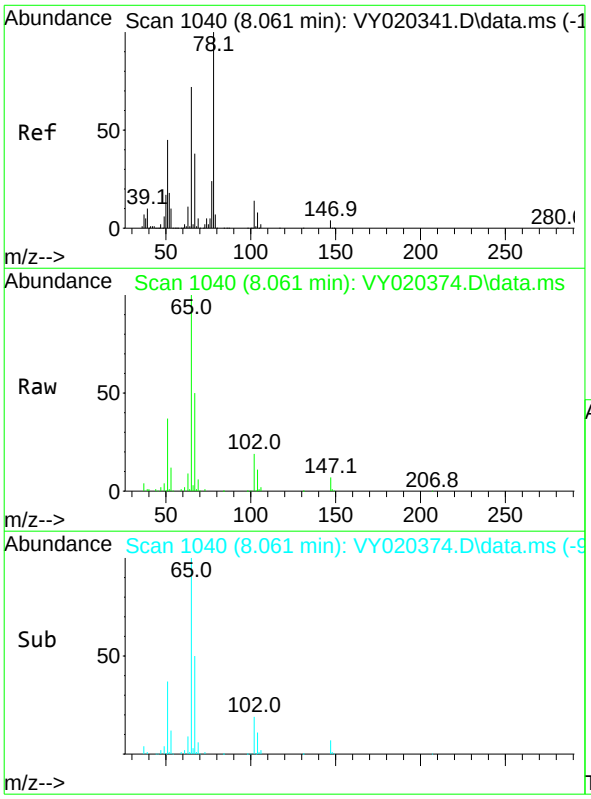
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion:168 Resp: 139506

Ion	Ratio	Lower	Upper
168	100		
99	66.0	46.6	69.8

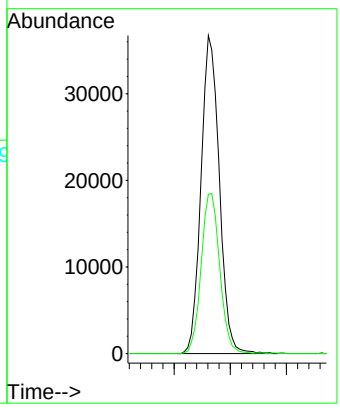


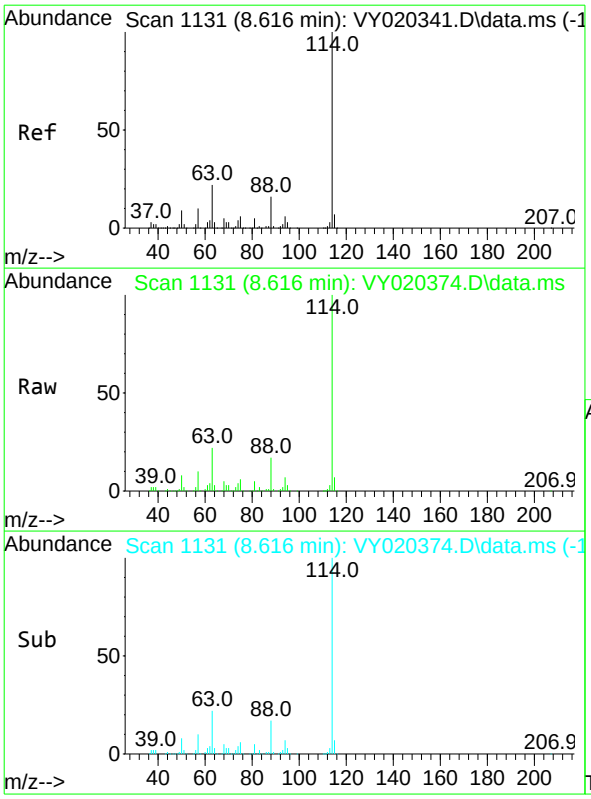


#33
1,2-Dichloroethane-d4
Concen: 51.857 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Tgt Ion: 65 Resp: 83114

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	105.8



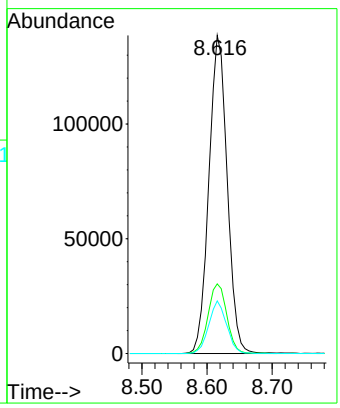


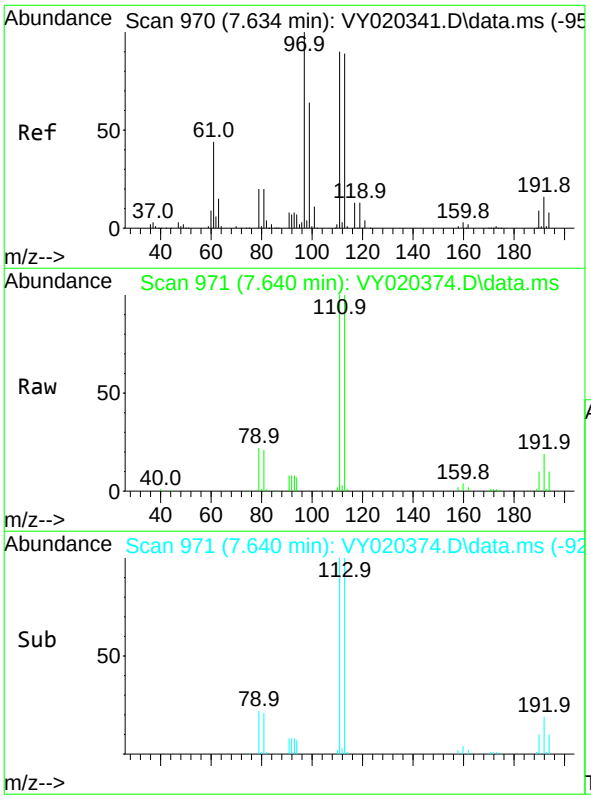
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

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

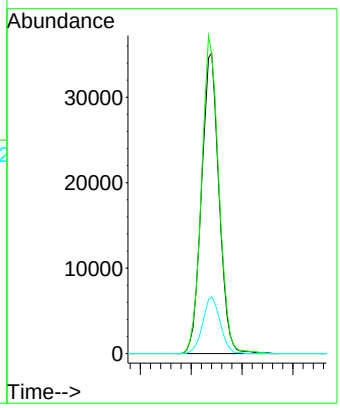


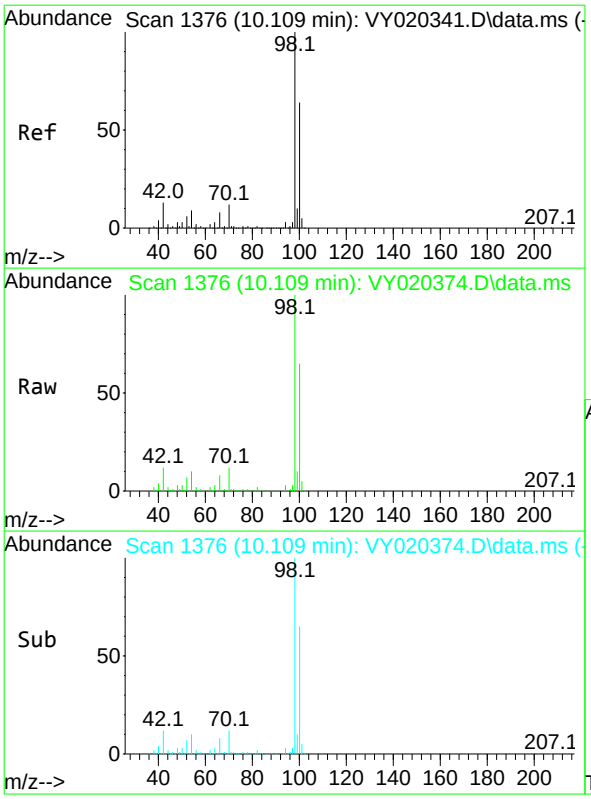


#35
Dibromofluoromethane
Concen: 48.450 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

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



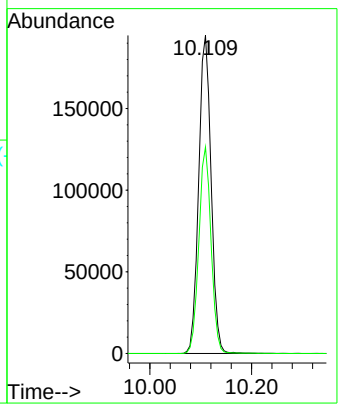


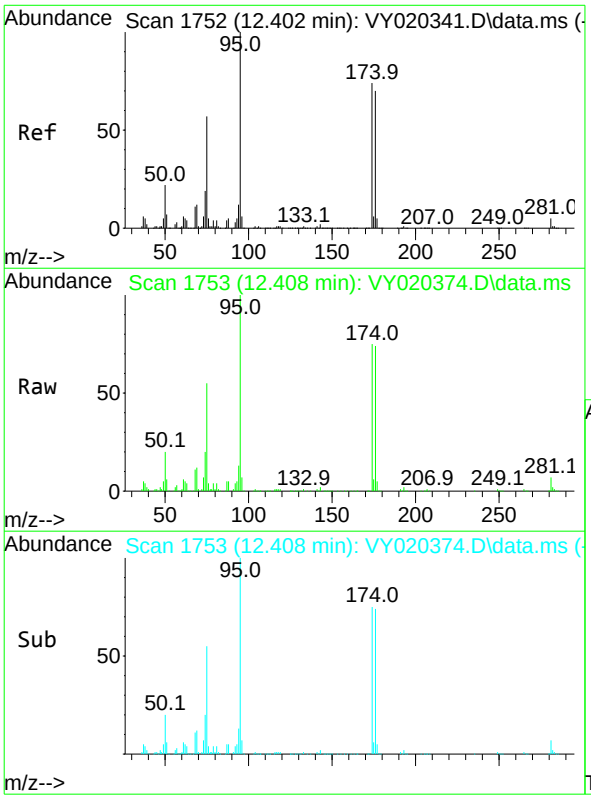
#50
Toluene-d8
Concen: 48.218 ug/l
RT: 10.109 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

Tgt Ion: 98 Resp: 329763

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9

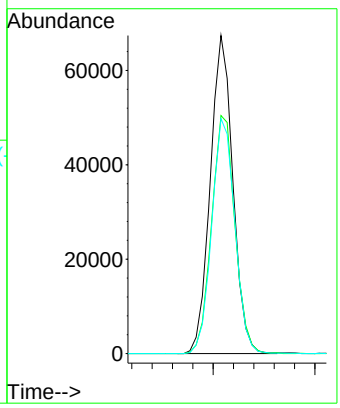


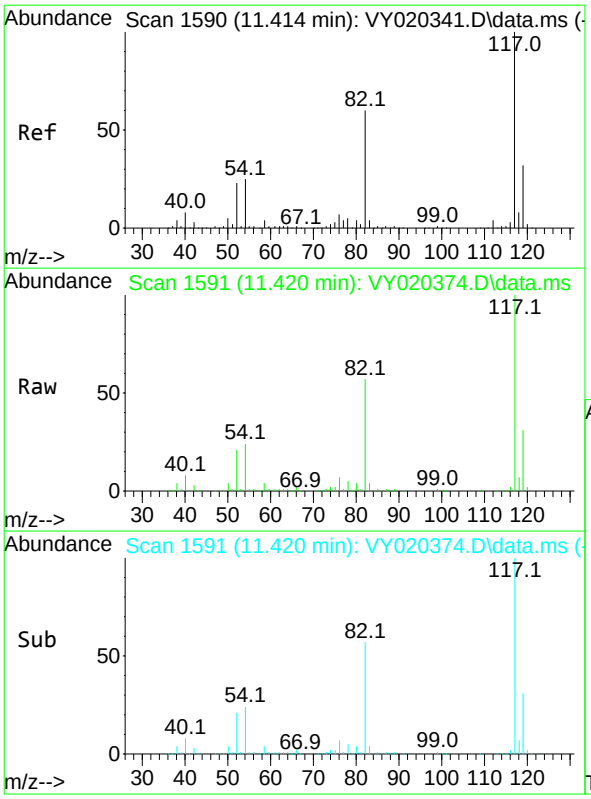


#62
4-Bromofluorobenzene
Concen: 47.324 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

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



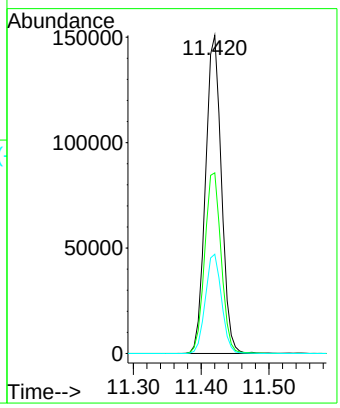


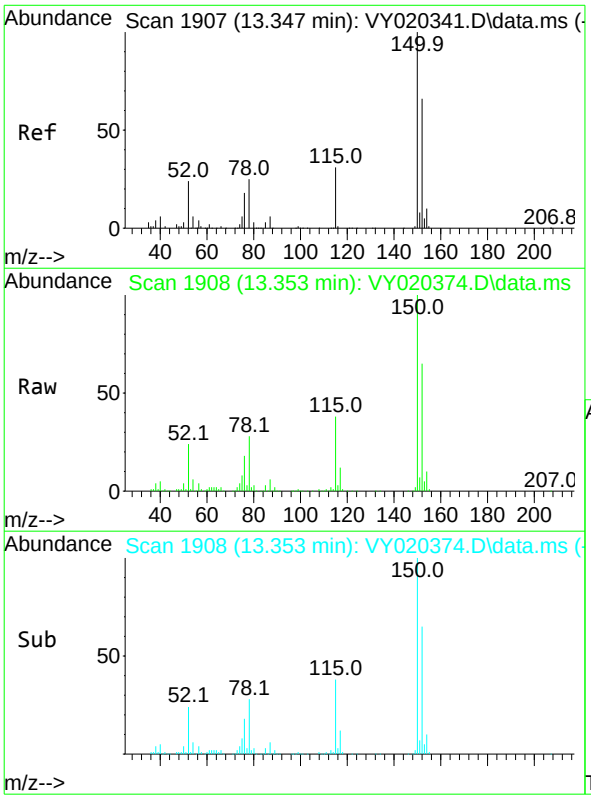
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

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

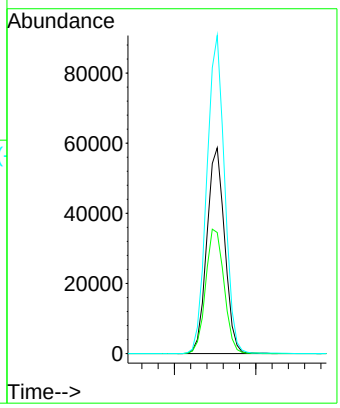




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020374.D
Acq: 21 Nov 2024 09:59

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

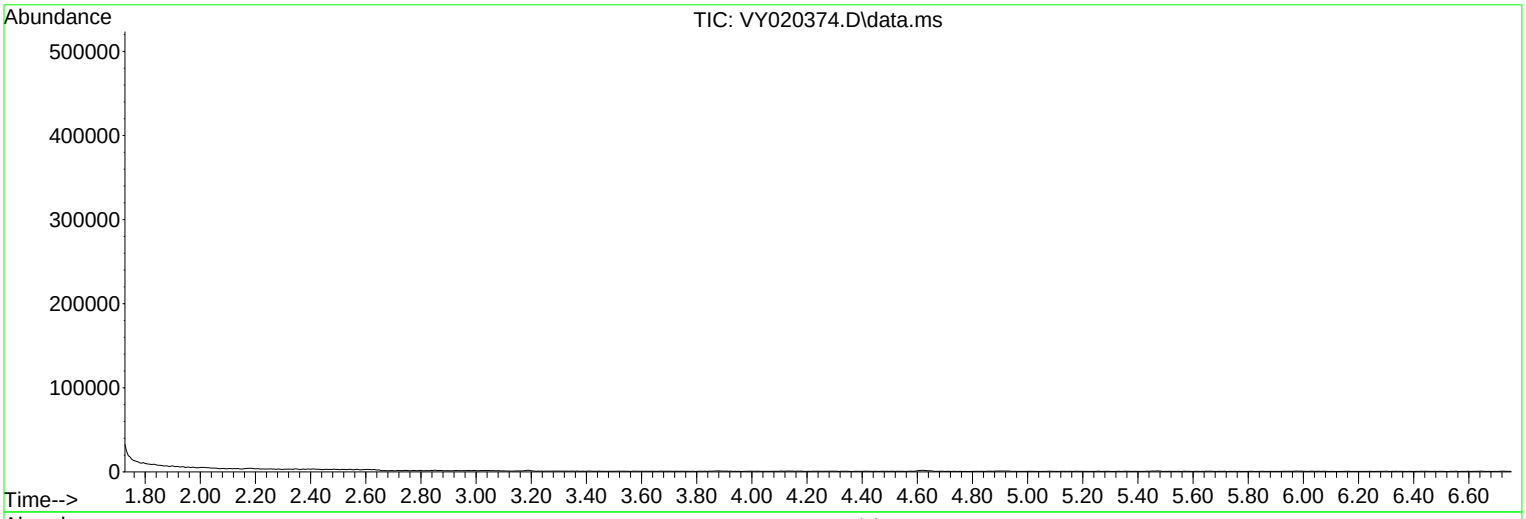
Sample Results: **VY020374.D**

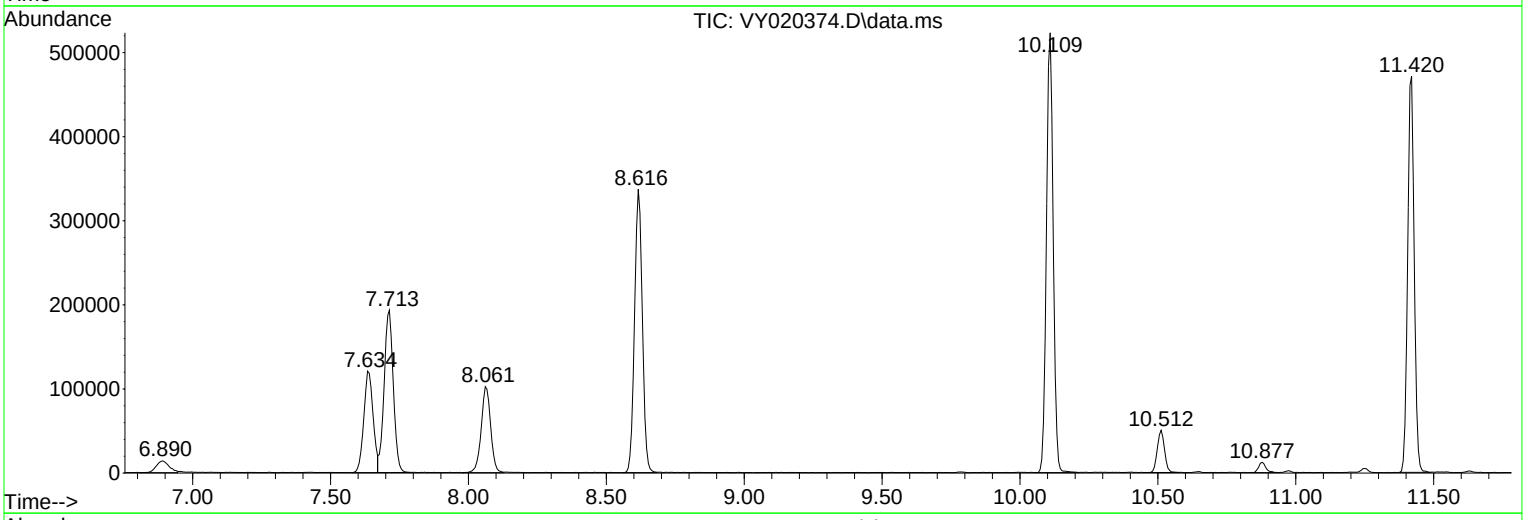
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020374.D
Acq On : 21 Nov 2024 09:59
Operator : SY/MD
Sample : VY1121SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

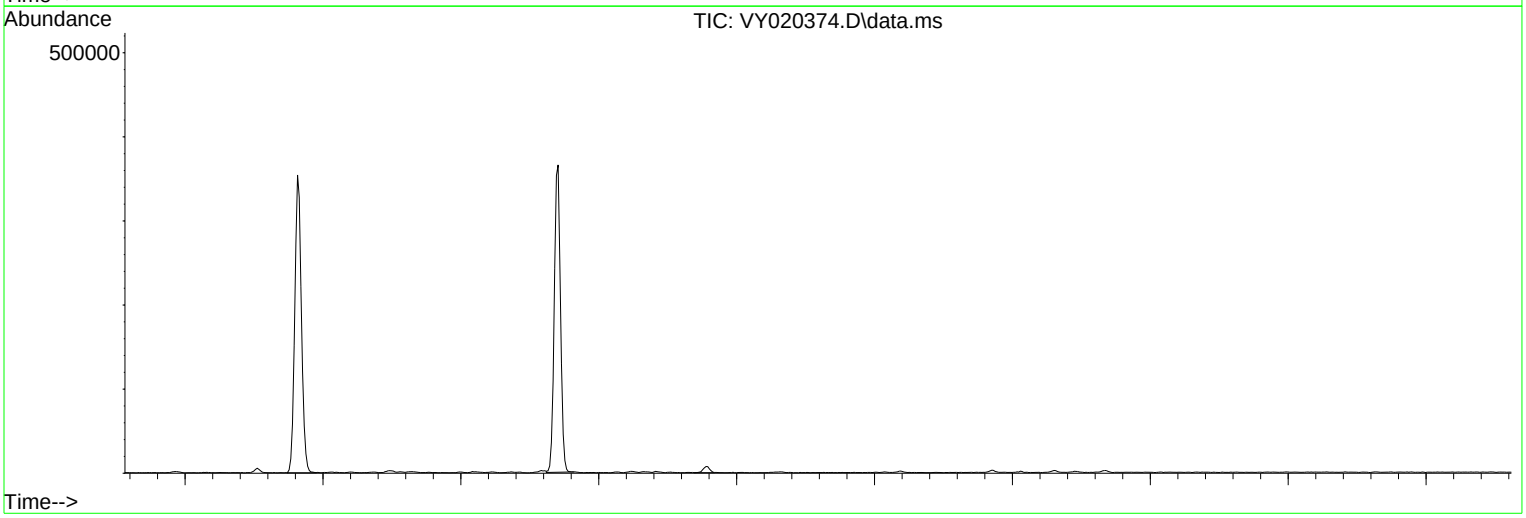
Instrument :
MSVOA_Y
ClientSampleId :
VY1121SBL01

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_D\Data\VD111824\
Data File : VD080060.D
Acq On : 18 Nov 2024 10:55
Operator : RP/MD
Sample : VD1118SBS01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 04:44:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	178101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	282863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	258933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	90569	49.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 98.780%			
35) Dibromofluoromethane	7.805	113	93698	49.772	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.540%			
50) Toluene-d8	10.269	98	361952	51.013	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.575	95	117407	50.435	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	26054	18.227	ug/l	89
3) Chloromethane	2.146	50	20830	19.816	ug/l	97
4) Vinyl Chloride	2.281	62	24350	20.291	ug/l	96
5) Bromomethane	2.687	94	28089	21.323	ug/l	95
6) Chloroethane	2.834	64	19340	22.547	ug/l	97
7) Trichlorofluoromethane	3.175	101	62694	21.270	ug/l	98
8) Diethyl Ether	3.593	74	15504	18.019	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.970	101	37911	20.590	ug/l	97
10) Methyl Iodide	4.164	142	40594	17.811	ug/l	100
11) Tert butyl alcohol	5.058	59	9009	94.407	ug/l #	96
12) 1,1-Dichloroethene	3.940	96	35104	19.022	ug/l	95
13) Acrolein	3.793	56	15145	82.712	ug/l	99
14) Allyl chloride	4.569	41	46809	17.894	ug/l	97
15) Acrylonitrile	5.264	53	34894	91.286	ug/l	98
16) Acetone	4.022	43	38546	96.882	ug/l	97
17) Carbon Disulfide	4.275	76	111711	18.799	ug/l	96
18) Methyl Acetate	4.569	43	16953	19.213	ug/l	99
19) Methyl tert-butyl Ether	5.322	73	68637	18.231	ug/l	93
20) Methylene Chloride	4.805	84	42508	19.922	ug/l	91
21) trans-1,2-Dichloroethene	5.311	96	37754	18.505	ug/l	93
22) Diisopropyl ether	6.222	45	98725	18.637	ug/l #	97
23) Vinyl Acetate	6.158	43	260471	85.823	ug/l	99
24) 1,1-Dichloroethane	6.111	63	67114	19.049	ug/l	97
25) 2-Butanone	7.087	43	43277	83.238	ug/l	99
26) 2,2-Dichloropropane	7.081	77	57476	18.768	ug/l	97
27) cis-1,2-Dichloroethene	7.081	96	43193	18.449	ug/l	93
28) Bromochloromethane	7.428	49	28037	17.882	ug/l	93
29) Tetrahydrofuran	7.452	42	26750	93.926	ug/l	99
30) Chloroform	7.599	83	74516	20.075	ug/l	100
31) Cyclohexane	7.875	56	54643	18.299	ug/l #	85
32) 1,1,1-Trichloroethane	7.793	97	65921	20.753	ug/l	97
36) 1,1-Dichloropropene	8.005	75	50832	19.747	ug/l	99
37) Ethyl Acetate	7.169	43	18960	17.136	ug/l #	94
38) Carbon Tetrachloride	7.993	117	55666	19.793	ug/l	93
39) Methylcyclohexane	9.275	83	56196	18.336	ug/l	92
40) Benzene	8.252	78	154630	19.271	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080060.D
Acq On : 18 Nov 2024 10:55
Operator : RP/MD
Sample : VD1118SBS01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 04:44:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.399	41	10823	18.125 ug/l #	86
42) 1,2-Dichloroethane	8.328	62	42056	20.253 ug/l	99
43) Isopropyl Acetate	8.358	43	37665	18.779 ug/l #	88
44) Trichloroethene	9.028	130	40613	19.560 ug/l	97
45) 1,2-Dichloropropane	9.305	63	38653	20.046 ug/l	96
46) Dibromomethane	9.393	93	22400	19.972 ug/l	96
47) Bromodichloromethane	9.587	83	54740	19.499 ug/l #	98
48) Methyl methacrylate	9.381	41	17744	18.531 ug/l	93
49) 1,4-Dioxane	9.387	88	4518	439.129 ug/l #	88
51) 4-Methyl-2-Pentanone	10.157	43	100223	98.490 ug/l	99
52) Toluene	10.334	92	97423	19.538 ug/l	94
53) t-1,3-Dichloropropene	10.552	75	45844	18.319 ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	57049	19.256 ug/l	94
55) 1,1,2-Trichloroethane	10.734	97	30157	20.324 ug/l	97
56) Ethyl methacrylate	10.599	69	29695	17.210 ug/l	90
57) 1,3-Dichloropropane	10.875	76	46019	19.065 ug/l	96
58) 2-Chloroethyl Vinyl ether	9.869	63	62492	95.761 ug/l	96
59) 2-Hexanone	10.922	43	68836	91.966 ug/l	99
60) Dibromochloromethane	11.075	129	39861	20.871 ug/l	98
61) 1,2-Dibromoethane	11.175	107	29169	20.850 ug/l	98
64) Tetrachloroethene	10.810	164	39119	21.215 ug/l	95
65) Chlorobenzene	11.604	112	111434	19.729 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	39681	20.182 ug/l	96
67) Ethyl Benzene	11.681	91	175565	18.524 ug/l	97
68) m/p-Xylenes	11.793	106	143395	38.715 ug/l	99
69) o-Xylene	12.116	106	65428	19.651 ug/l	93
70) Styrene	12.134	104	114050	19.192 ug/l	99
71) Bromoform	12.298	173	23467	20.243 ug/l #	98
73) Isopropylbenzene	12.422	105	168564	18.465 ug/l	99
74) N-amyl acetate	12.234	43	37701	18.743 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.675	83	34967	19.931 ug/l	98
76) 1,2,3-Trichloropropane	12.722	75	21810m	17.448 ug/l	
77) Bromobenzene	12.698	156	45573	19.210 ug/l	96
78) n-propylbenzene	12.763	91	215707	19.120 ug/l	98
79) 2-Chlorotoluene	12.846	91	125865	19.025 ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	146186	18.921 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	11793	19.309 ug/l	99
82) 4-Chlorotoluene	12.945	91	135386	19.142 ug/l	99
83) tert-Butylbenzene	13.163	119	122734	18.342 ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	149083	19.209 ug/l	99
85) sec-Butylbenzene	13.345	105	194603	19.676 ug/l	100
86) p-Isopropyltoluene	13.457	119	163152	19.515 ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	94084	19.585 ug/l	98
88) 1,4-Dichlorobenzene	13.534	146	94116	19.507 ug/l	98
89) n-Butylbenzene	13.787	91	149507	19.009 ug/l	99
90) Hexachloroethane	14.051	117	35475	19.794 ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	81242	19.394 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.440	75	4950	18.659 ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	53659	20.428 ug/l	98
94) Hexachlorobutadiene	15.198	225	29847	21.024 ug/l	93
95) Naphthalene	15.328	128	83816	18.786 ug/l	97
96) 1,2,3-Trichlorobenzene	15.516	180	47186	20.455 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080060.D
Acq On : 18 Nov 2024 10:55
Operator : RP/MD
Sample : VD1118SBS01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 04:44:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

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

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

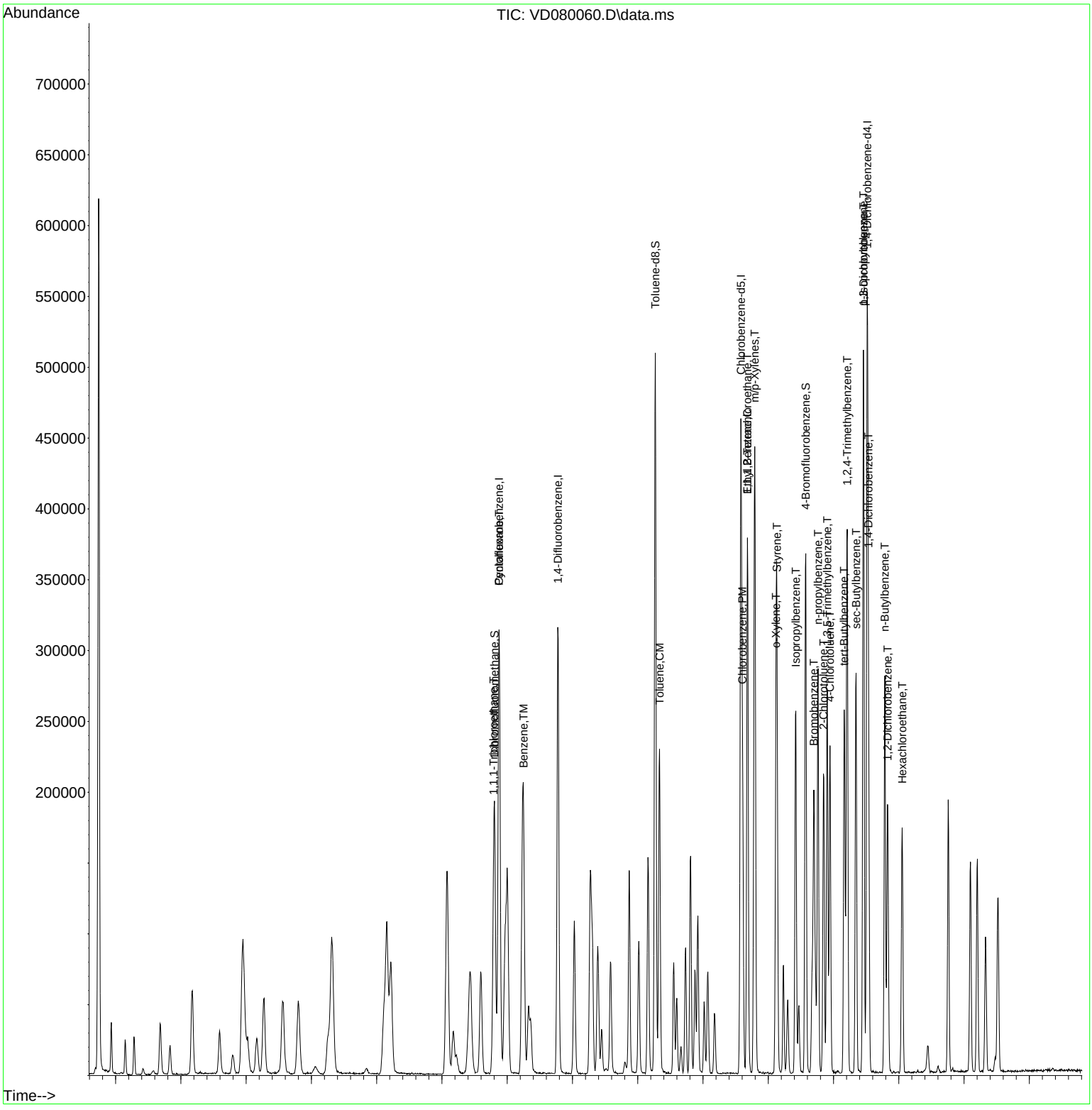
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080060.D
Acq On : 18 Nov 2024 10:55
Operator : RP/MD
Sample : VD1118SBS01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 19 04:44:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020349.D
Acq On : 20 Nov 2024 10:53
Operator : SY/MD
Sample : VY1120SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 00:43:02 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 :
VY1120SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	210349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	347339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	288195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	135305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104695	43.322	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	86.640%		
35) Dibromofluoromethane	7.634	113	92069	41.338	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.680%		
50) Toluene-d8	10.109	98	374295	42.662	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	85.320%		
62) 4-Bromofluorobenzene	12.408	95	124792	44.246	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	88.500%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	44542	21.815	ug/l	96
3) Chloromethane	2.074	50	47600	14.524	ug/l	97
4) Vinyl Chloride	2.208	62	44857	16.014	ug/l	99
5) Bromomethane	2.598	94	23155	16.552	ug/l	97
6) Chloroethane	2.739	64	26010	15.918	ug/l	100
7) Trichlorofluoromethane	3.062	101	74348	19.100	ug/l	97
8) Diethyl Ether	3.458	74	21497	17.504	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.824	101	42301	18.248	ug/l	99
10) Methyl Iodide	4.007	142	53198	17.133	ug/l	94
11) Tert butyl alcohol	4.860	59	15294	80.697	ug/l #	73
12) 1,1-Dichloroethene	3.793	96	41036	17.883	ug/l	99
13) Acrolein	3.659	56	17734	118.509	ug/l	99
14) Allyl chloride	4.385	41	77268	17.413	ug/l	93
15) Acrylonitrile	5.067	53	48016	88.443	ug/l	99
16) Acetone	3.873	43	49582	85.583	ug/l	95
17) Carbon Disulfide	4.110	76	132661	17.160	ug/l	98
18) Methyl Acetate	4.391	43	22014	16.301	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	104902	17.598	ug/l	99
20) Methylene Chloride	4.622	84	42492	17.320	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	43797	17.185	ug/l	86
22) Diisopropyl ether	6.025	45	153700	17.577	ug/l	98
23) Vinyl Acetate	5.964	43	423950	86.755	ug/l	98
24) 1,1-Dichloroethane	5.921	63	86954	17.614	ug/l	99
25) 2-Butanone	6.902	43	69106	92.655	ug/l	96
26) 2,2-Dichloropropane	6.890	77	77244	18.932	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	50560	18.011	ug/l	96
28) Bromochloromethane	7.250	49	36015	17.334	ug/l	95
29) Tetrahydrofuran	7.268	42	40198	90.176	ug/l	98
30) Chloroform	7.427	83	83960	17.613	ug/l	98
31) Cyclohexane	7.707	56	83104	18.447	ug/l	96
32) 1,1,1-Trichloroethane	7.622	97	78369	18.723	ug/l	99
36) 1,1-Dichloropropene	7.841	75	65647	19.298	ug/l	97
37) Ethyl Acetate	6.988	43	29576	18.979	ug/l	98
38) Carbon Tetrachloride	7.823	117	71712	20.190	ug/l	97
39) Methylcyclohexane	9.109	83	82939	19.481	ug/l	97
40) Benzene	8.085	78	188187	18.877	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020349.D
Acq On : 20 Nov 2024 10:53
Operator : SY/MD
Sample : VY1120SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 00:43:02 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 :
VY1120SBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	15336	17.296	ug/l		98
42) 1,2-Dichloroethane	8.158	62	51081	18.983	ug/l		98
43) Isopropyl Acetate	8.201	43	56097	18.511	ug/l		98
44) Trichloroethene	8.866	130	43825	18.554	ug/l		96
45) 1,2-Dichloropropane	9.146	63	43294	18.202	ug/l		98
46) Dibromomethane	9.231	93	22071	18.104	ug/l		99
47) Bromodichloromethane	9.426	83	61888	18.390	ug/l		96
48) Methyl methacrylate	9.225	41	26668	18.406	ug/l		96
49) 1,4-Dioxane	9.231	88	4839	385.821	ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	143304	93.180	ug/l		99
52) Toluene	10.170	92	115311	18.924	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	57785	18.158	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	68828	18.893	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	28937	17.882	ug/l		99
56) Ethyl methacrylate	10.438	69	42601	17.530	ug/l		99
57) 1,3-Dichloropropane	10.719	76	53070	18.248	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	117864	102.283	ug/l		100
59) 2-Hexanone	10.762	43	103150	94.718	ug/l		100
60) Dibromochloromethane	10.914	129	37413	17.937	ug/l		95
61) 1,2-Dibromoethane	11.018	107	26457	17.644	ug/l		100
64) Tetrachloroethene	10.652	164	38299	18.436	ug/l		95
65) Chlorobenzene	11.444	112	117902	18.348	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.518	131	40272	18.761	ug/l		98
67) Ethyl Benzene	11.524	91	222103	18.736	ug/l		99
68) m/p-Xylenes	11.627	106	162580	38.075	ug/l		97
69) o-Xylene	11.956	106	75181	18.563	ug/l		95
70) Styrene	11.969	104	129129	19.190	ug/l		98
71) Bromoform	12.133	173	20923	18.702	ug/l	#	98
73) Isopropylbenzene	12.255	105	211498	18.452	ug/l		100
74) N-amyl acetate	12.072	43	49071	17.716	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.511	83	31996	17.272	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	21610m	16.945	ug/l		
77) Bromobenzene	12.536	156	42295	17.613	ug/l		94
78) n-propylbenzene	12.597	91	254825	18.525	ug/l		100
79) 2-Chlorotoluene	12.682	91	141572	17.900	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	171185	18.480	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	11591	17.809	ug/l		98
82) 4-Chlorotoluene	12.779	91	145630	17.841	ug/l		98
83) tert-Butylbenzene	12.999	119	150086	18.360	ug/l		96
84) 1,2,4-Trimethylbenzene	13.048	105	168413	18.338	ug/l		99
85) sec-Butylbenzene	13.176	105	221967	17.224	ug/l		100
86) p-Isopropyltoluene	13.298	119	188045	18.872	ug/l		100
87) 1,3-Dichlorobenzene	13.292	146	86339	17.781	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	83938	18.093	ug/l		98
89) n-Butylbenzene	13.621	91	178851	18.744	ug/l		100
90) Hexachloroethane	13.883	117	34199	17.783	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	72425	17.902	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5270	17.337	ug/l		91
93) 1,2,4-Trichlorobenzene	14.925	180	44429	18.163	ug/l		99
94) Hexachlorobutadiene	15.029	225	29500	19.758	ug/l		98
95) Naphthalene	15.151	128	77085	18.298	ug/l		100
96) 1,2,3-Trichlorobenzene	15.334	180	38068	18.202	ug/l		99

Sample Results: **VY020349.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020349.D
Acq On : 20 Nov 2024 10:53
Operator : SY/MD
Sample : VY1120SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 00:43:02 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 :
VY1120SBS01

Manual Integrations APPROVED

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

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

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

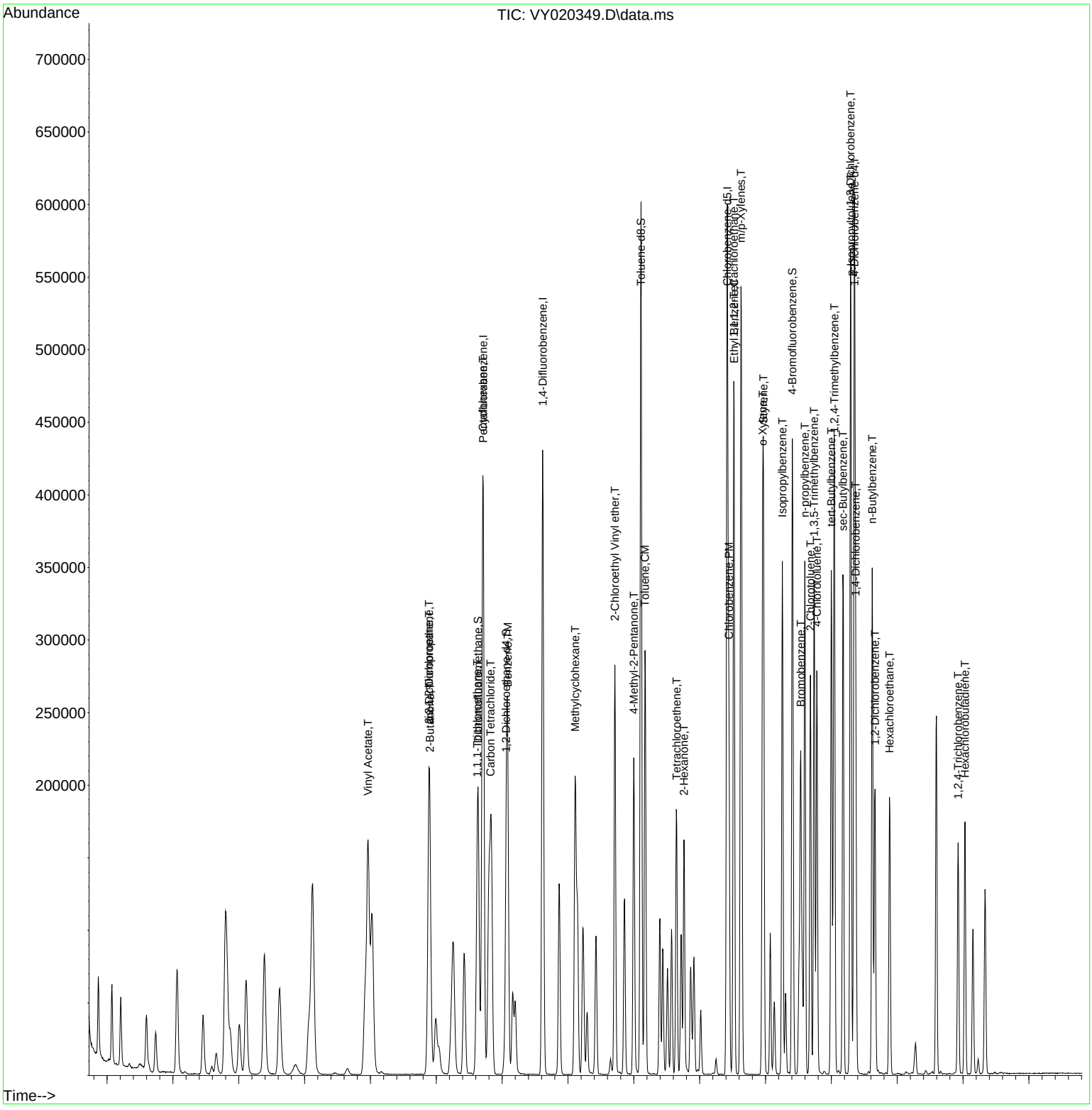
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112024\
Data File : VY020349.D
Acq On : 20 Nov 2024 10:53
Operator : SY/MD
Sample : VY1120SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 21 00:43:02 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 :
VY1120SBS01

Manual Integrations APPROVED

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

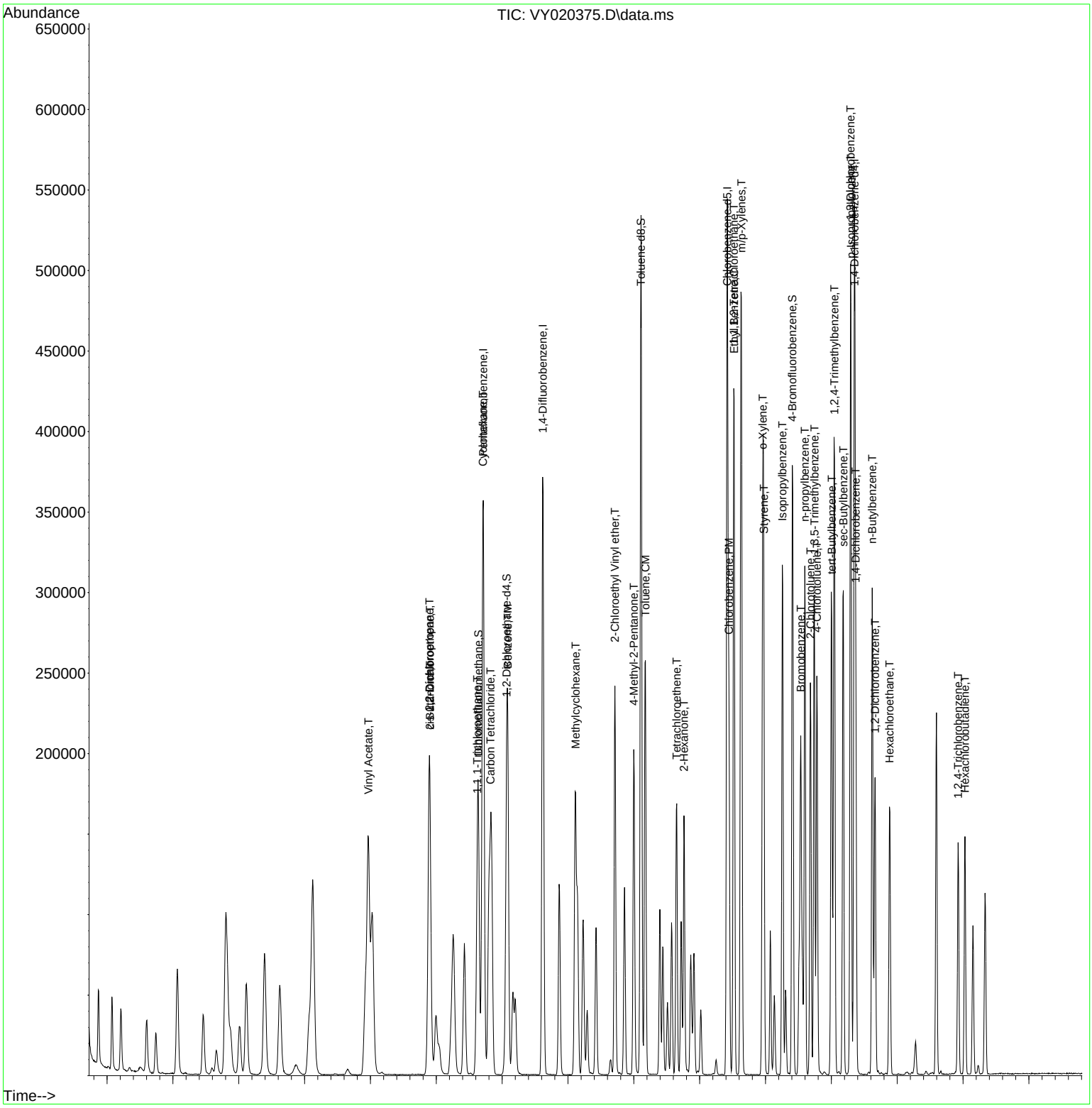
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112124\
Data File : VY020375.D
Acq On : 21 Nov 2024 10:39
Operator : SY/MD
Sample : VY1121SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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_D\Data\VD111824\
Data File : VD080061.D
Acq On : 18 Nov 2024 11:22
Operator : RP/MD
Sample : VD1118SBSD01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 04:45:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	185362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	285036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	278035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	143766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	91520	47.954	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.900%			
35) Dibromofluoromethane	7.804	113	95269	50.221	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.440%			
50) Toluene-d8	10.269	98	357642	50.021	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.569	95	118231	50.402	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	27711	18.627	ug/l	96
3) Chloromethane	2.146	50	18864	17.243	ug/l	98
4) Vinyl Chloride	2.287	62	22305	17.859	ug/l	95
5) Bromomethane	2.681	94	23735	17.107	ug/l	99
6) Chloroethane	2.828	64	15612	17.487	ug/l	94
7) Trichlorofluoromethane	3.175	101	60472	19.713	ug/l	98
8) Diethyl Ether	3.593	74	18549	20.713	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.963	101	40273	21.016	ug/l	96
10) Methyl Iodide	4.163	142	44539	18.777	ug/l	99
11) Tert butyl alcohol	5.058	59	11246	113.233	ug/l #	89
12) 1,1-Dichloroethene	3.940	96	38601	20.097	ug/l	92
13) Acrolein	3.805	56	19112	100.288	ug/l	97
14) Allyl chloride	4.569	41	52572	19.309	ug/l	97
15) Acrylonitrile	5.263	53	40436	101.641	ug/l	99
16) Acetone	4.016	43	46288	111.783	ug/l	96
17) Carbon Disulfide	4.269	76	121638	19.667	ug/l	98
18) Methyl Acetate	4.563	43	19954	21.728	ug/l	98
19) Methyl tert-butyl Ether	5.322	73	81837	20.885	ug/l	97
20) Methylene Chloride	4.811	84	47572	21.422	ug/l	97
21) trans-1,2-Dichloroethene	5.310	96	42829	20.171	ug/l #	81
22) Diisopropyl ether	6.216	45	113961	20.670	ug/l #	98
23) Vinyl Acetate	6.157	43	321354	101.736	ug/l	100
24) 1,1-Dichloroethane	6.116	63	74136	20.218	ug/l	98
25) 2-Butanone	7.087	43	55369	102.323	ug/l	95
26) 2,2-Dichloropropane	7.075	77	63815	20.021	ug/l	99
27) cis-1,2-Dichloroethene	7.081	96	49363	20.258	ug/l	95
28) Bromochloromethane	7.428	49	29656	18.174	ug/l	89
29) Tetrahydrofuran	7.446	42	31093	104.899	ug/l	97
30) Chloroform	7.593	83	81001	20.968	ug/l	100
31) Cyclohexane	7.881	56	59148	19.032	ug/l #	84
32) 1,1,1-Trichloroethane	7.793	97	68251	20.645	ug/l	97
36) 1,1-Dichloropropene	8.010	75	52869	20.382	ug/l	99
37) Ethyl Acetate	7.169	43	25388	22.770	ug/l	96
38) Carbon Tetrachloride	7.993	117	60997	21.523	ug/l	98
39) Methylcyclohexane	9.275	83	60473	19.581	ug/l	96
40) Benzene	8.252	78	167798	20.753	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080061.D
Acq On : 18 Nov 2024 11:22
Operator : RP/MD
Sample : VD1118SBSD01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 04:45:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.404	41	12073	20.065	ug/l		97
42) 1,2-Dichloroethane	8.322	62	46347	22.149	ug/l		99
43) Isopropyl Acetate	8.363	43	44072	21.806	ug/l		96
44) Trichloroethene	9.028	130	42979	20.542	ug/l		96
45) 1,2-Dichloropropane	9.304	63	40991	21.096	ug/l		99
46) Dibromomethane	9.399	93	24900	22.032	ug/l		98
47) Bromodichloromethane	9.587	83	61171	21.624	ug/l	#	97
48) Methyl methacrylate	9.381	41	19015	19.707	ug/l		90
49) 1,4-Dioxane	9.387	88	5756	555.192	ug/l		93
51) 4-Methyl-2-Pentanone	10.157	43	117209	114.304	ug/l		99
52) Toluene	10.334	92	107229	21.341	ug/l		97
53) t-1,3-Dichloropropene	10.551	75	52751	20.919	ug/l		94
54) cis-1,3-Dichloropropene	10.016	75	65369	21.896	ug/l		99
55) 1,1,2-Trichloroethane	10.734	97	33823	22.621	ug/l		95
56) Ethyl methacrylate	10.598	69	38127	21.929	ug/l		94
57) 1,3-Dichloropropane	10.875	76	51094	21.006	ug/l		97
58) 2-Chloroethyl Vinyl ether	9.869	63	64512	98.103	ug/l		93
59) 2-Hexanone	10.922	43	80591	106.850	ug/l		96
60) Dibromochloromethane	11.075	129	45076	23.421	ug/l		99
61) 1,2-Dibromoethane	11.175	107	31528	22.364	ug/l		95
64) Tetrachloroethene	10.810	164	40493	20.451	ug/l		97
65) Chlorobenzene	11.604	112	122987	20.278	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.675	131	43662	20.681	ug/l		96
67) Ethyl Benzene	11.681	91	196392	19.298	ug/l		98
68) m/p-Xylenes	11.793	106	157181	39.521	ug/l		100
69) o-Xylene	12.122	106	70536	19.730	ug/l		95
70) Styrene	12.134	104	130977	20.526	ug/l		97
71) Bromoform	12.298	173	26906	21.615	ug/l	#	96
73) Isopropylbenzene	12.422	105	184445	19.894	ug/l		100
74) N-amyl acetate	12.234	43	43046	21.072	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.669	83	38953	21.862	ug/l		97
76) 1,2,3-Trichloropropane	12.722	75	30446m	23.983	ug/l		
77) Bromobenzene	12.698	156	48840	20.271	ug/l		100
78) n-propylbenzene	12.763	91	230120	20.084	ug/l		98
79) 2-Chlorotoluene	12.845	91	136085	20.253	ug/l		99
80) 1,3,5-Trimethylbenzene	12.904	105	159585	20.338	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.469	75	13854	22.335	ug/l		93
82) 4-Chlorotoluene	12.945	91	146095	20.339	ug/l		97
83) tert-Butylbenzene	13.163	119	129416	19.044	ug/l		98
84) 1,2,4-Trimethylbenzene	13.210	105	164138	20.823	ug/l		99
85) sec-Butylbenzene	13.345	105	205507	20.459	ug/l		99
86) p-Isopropyltoluene	13.457	119	175424	20.661	ug/l		99
87) 1,3-Dichlorobenzene	13.457	146	100617	20.622	ug/l		99
88) 1,4-Dichlorobenzene	13.539	146	100511	20.512	ug/l		98
89) n-Butylbenzene	13.787	91	159355	19.949	ug/l		99
90) Hexachloroethane	14.051	117	37599	20.657	ug/l		98
91) 1,2-Dichlorobenzene	13.828	146	88869	20.889	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	6099	22.637	ug/l		97
93) 1,2,4-Trichlorobenzene	15.098	180	52820	19.799	ug/l		98
94) Hexachlorobutadiene	15.198	225	29372	20.371	ug/l		98
95) Naphthalene	15.328	128	93898	20.722	ug/l		99
96) 1,2,3-Trichlorobenzene	15.516	180	48809	20.834	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080061.D
Acq On : 18 Nov 2024 11:22
Operator : RP/MD
Sample : VD1118SBSD01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 04:45:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024

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

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

Sample Results: **VD080061.D**

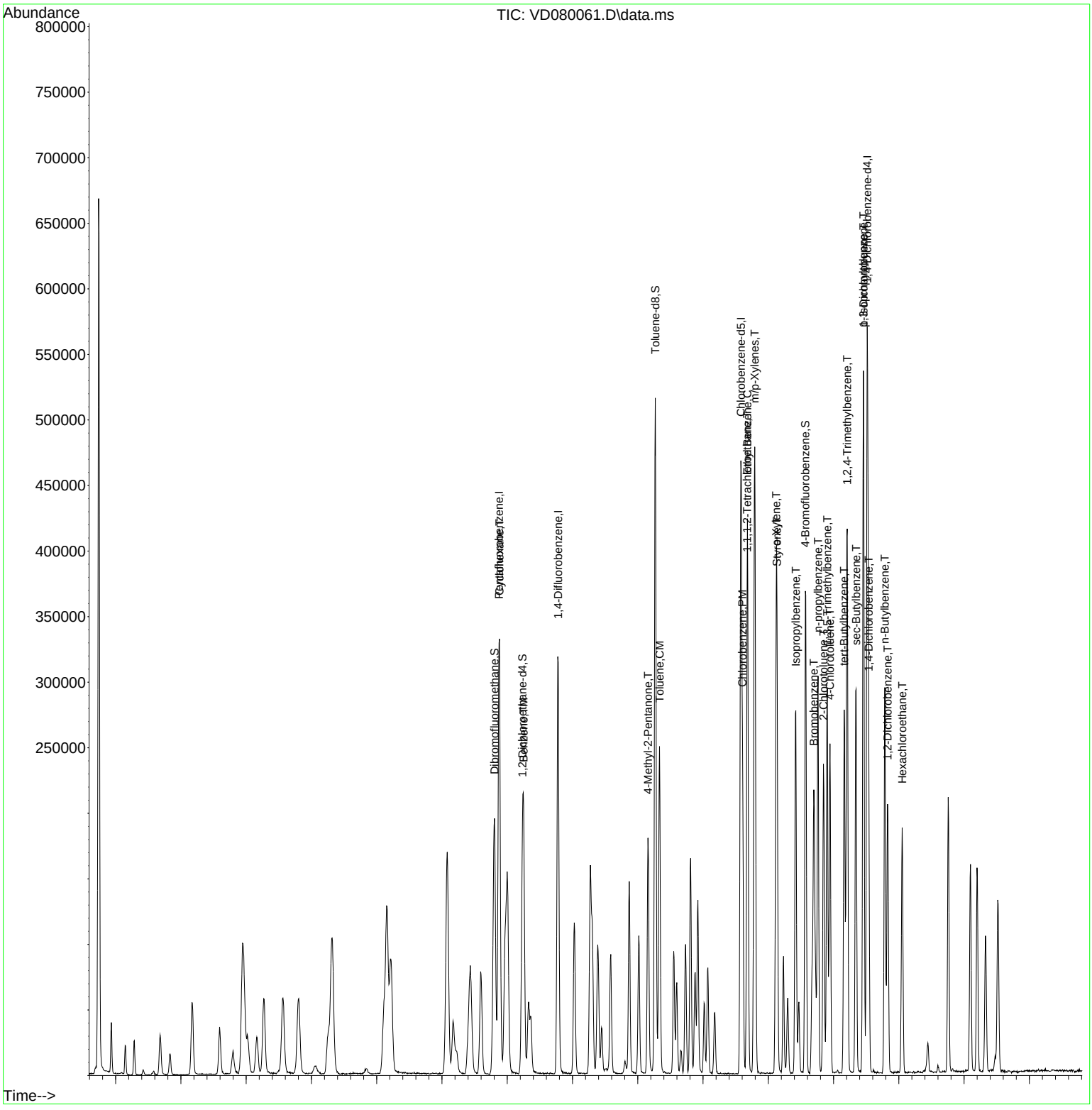
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111824\
Data File : VD080061.D
Acq On : 18 Nov 2024 11:22
Operator : RP/MD
Sample : VD1118SBSD01
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 19 04:45:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111524S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 15 16:25:47 2024
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Manual Integrations APPROVED

Reviewed By :Romaben Patel 11/19/2024
Supervised By :Mahesh Dadoda 11/19/2024



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

Manual Integration Report

Sequence:	VD111524	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VD080017.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:00 PM	SAM	11/18/2024 3:16:37 PM	Peak Integrated by Software
VSTDICC005	VD080020.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:02 PM	SAM	11/18/2024 3:16:39 PM	Peak Integrated by Software
VSTDICC005	VD080020.D	Tert butyl alcohol	MMDadoda	11/18/2024 3:13:02 PM	SAM	11/18/2024 3:16:39 PM	Peak Integrated by Software
VSTDICC010	VD080021.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:04 PM	SAM	11/18/2024 3:16:41 PM	Peak Integrated by Software
VSTDICC020	VD080022.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:06 PM	SAM	11/18/2024 3:16:42 PM	Peak Integrated by Software
VSTDICCC050	VD080023.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:07 PM	SAM	11/18/2024 3:16:45 PM	Peak Integrated by Software
VSTDICC100	VD080024.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:09 PM	SAM	11/18/2024 3:16:46 PM	Peak Integrated by Software
VSTDICC150	VD080025.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:11 PM	SAM	11/18/2024 3:16:48 PM	Peak Integrated by Software
VSTDICV050	VD080026.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:13 PM	SAM	11/18/2024 3:16:50 PM	Peak Integrated by Software
VSTDCCC050	VD080036.D	1,2,3-Trichloropropane	MMDadoda	11/18/2024 3:13:20 PM	SAM	11/18/2024 3:16:56 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VD111824	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VD080058.D	1,2,3-Trichloropropane	Romaben	11/19/2024 11:04:19 AM	MMDadoda	11/19/2024 1:21:28 PM	Peak Integrated by Software
VD1118SBS01	VD080060.D	1,2,3-Trichloropropane	Romaben	11/19/2024 11:04:25 AM	MMDadoda	11/19/2024 1:21:28 PM	Peak Integrated by Software
VD1118SBSD01	VD080061.D	1,2,3-Trichloropropane	Romaben	11/19/2024 11:04:30 AM	MMDadoda	11/19/2024 1:21:29 PM	Peak Integrated by Software
VSTDCCC050	VD080080.D	1,2,3-Trichloropropane	Romaben	11/19/2024 11:04:35 AM	MMDadoda	11/19/2024 1:21:31 PM	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

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Manual Integration Report

Sequence:	VY112024	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY020347.D	1,2,3-Trichloropropane	MMDadoda	11/21/2024 3:23:29 PM	SAM	11/21/2024 3:24:44 PM	Peak Integrated by Software
VY1120SBS01	VY020349.D	1,2,3-Trichloropropane	MMDadoda	11/21/2024 3:23:29 PM	SAM	11/21/2024 3:24:43 PM	Peak Integrated by Software
VSTDCCC050	VY020371.D	1,2,3-Trichloropropane	MMDadoda	11/21/2024 3:23:33 PM	SAM	11/21/2024 3:24:46 PM	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
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

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

Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111524

Review By	Mahesh Dadoda	Review On	11/18/2024 3:13:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM		
SubDirectory	VD111524	HP Acquire Method		HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131514
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526
CCC	VP131535,VP131536
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131528
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080010.D	14 Nov 2024 17:14	RP/MD	Not Ok
2	VSTDICC005	VD080011.D	14 Nov 2024 18:02	RP/MD	Not Ok
3	VSTDICC010	VD080012.D	14 Nov 2024 18:29	RP/MD	Not Ok
4	VSTDICC020	VD080013.D	14 Nov 2024 18:56	RP/MD	Not Ok
5	VSTDICCC050	VD080014.D	14 Nov 2024 19:22	RP/MD	Not Ok
6	VSTDICC100	VD080015.D	14 Nov 2024 19:49	RP/MD	Not Ok
7	VSTDICC150	VD080016.D	14 Nov 2024 20:16	RP/MD	Not Ok
8	VSTDICV050	VD080017.D	14 Nov 2024 20:43	RP/MD	Not Ok
9	VIBLK	VD080018.D	14 Nov 2024 21:36	RP/MD	Not Ok
10	BFB	VD080019.D	15 Nov 2024 09:14	RP/MD	Ok
11	VSTDICC005	VD080020.D	15 Nov 2024 10:04	RP/MD	Ok,M
12	VSTDICC010	VD080021.D	15 Nov 2024 10:31	RP/MD	Ok,M
13	VSTDICC020	VD080022.D	15 Nov 2024 10:58	RP/MD	Ok,M
14	VSTDICCC050	VD080023.D	15 Nov 2024 11:24	RP/MD	Ok,M
15	VSTDICC100	VD080024.D	15 Nov 2024 11:51	RP/MD	Ok,M
16	VSTDICC150	VD080025.D	15 Nov 2024 12:18	RP/MD	Ok,M
17	VSTDICV050	VD080026.D	15 Nov 2024 15:44	RP/MD	Ok,M
18	VD1115SBL01	VD080027.D	15 Nov 2024 16:19	RP/MD	Ok
19	VD1115SBS01	VD080028.D	15 Nov 2024 16:46	RP/MD	Ok,M
20	P4837-03	VD080029.D	15 Nov 2024 17:13	RP/MD	Ok
21	P4836-03	VD080030.D	15 Nov 2024 17:40	RP/MD	ReRun

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111524

Review By	Mahesh Dadoda	Review On	11/18/2024 3:13:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM		
SubDirectory	VD111524	HP Acquire Method		HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131514
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526
CCC	VP131535,VP131536
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131528
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4835-03	VD080031.D	15 Nov 2024 18:07	RP/MD	Ok
23	P4834-03	VD080032.D	15 Nov 2024 18:34	RP/MD	ReRun
24	P4838-03	VD080033.D	15 Nov 2024 19:01	RP/MD	ReRun
25	P4833-03	VD080034.D	15 Nov 2024 19:28	RP/MD	Not Ok
26	VD1115SBSD01	VD080035.D	15 Nov 2024 19:55	RP/MD	Ok,M
27	VSTDCCC050	VD080036.D	15 Nov 2024 20:22	RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111824

Review By	Mahesh Dadoda	Review On	11/19/2024 1:21:34 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/19/2024 1:22:24 PM				
SubDirectory	VD111824	HP Acquire Method	MSVOA_D	HP Processing Method	82d111424s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131590
Initial Calibration Stds	
CCC	VP131593,VP131594
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	VD080057.D	18 Nov 2024 09:21	RP/MD	Ok
2	VSTDCCC050	VD080058.D	18 Nov 2024 09:51	RP/MD	Ok,M
3	VD1118SBL01	VD080059.D	18 Nov 2024 10:27	RP/MD	Ok
4	VD1118SBS01	VD080060.D	18 Nov 2024 10:55	RP/MD	Ok,M
5	VD1118SBSD01	VD080061.D	18 Nov 2024 11:22	RP/MD	Ok,M
6	P4825-01RE	VD080062.D	18 Nov 2024 12:08	RP/MD	Confirms
7	P4824-01RE	VD080063.D	18 Nov 2024 12:35	RP/MD	Confirms
8	P4857-03RE	VD080064.D	18 Nov 2024 13:02	RP/MD	Confirms
9	P4859-01	VD080065.D	18 Nov 2024 13:30	RP/MD	Ok
10	P4869-01	VD080066.D	18 Nov 2024 13:57	RP/MD	Ok
11	P4848-01	VD080067.D	18 Nov 2024 14:24	RP/MD	ReRun
12	P4852-01	VD080068.D	18 Nov 2024 14:51	RP/MD	ReRun
13	P4852-02	VD080069.D	18 Nov 2024 15:18	RP/MD	ReRun
14	P4852-03	VD080070.D	18 Nov 2024 15:45	RP/MD	ReRun
15	P4850-01	VD080071.D	18 Nov 2024 16:12	RP/MD	Ok
16	P4860-01	VD080072.D	18 Nov 2024 16:39	RP/MD	Ok
17	P4860-02	VD080073.D	18 Nov 2024 17:06	RP/MD	Ok
18	P4860-03	VD080074.D	18 Nov 2024 17:33	RP/MD	ReRun
19	P4860-04	VD080075.D	18 Nov 2024 18:00	RP/MD	Ok
20	P4860-05	VD080076.D	18 Nov 2024 18:28	RP/MD	Ok
21	P4860-06	VD080077.D	18 Nov 2024 18:55	RP/MD	Not Ok

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111824

Review By	Mahesh Dadoda	Review On	11/19/2024 1:21:34 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/19/2024 1:22:24 PM				
SubDirectory	VD111824	HP Acquire Method	MSVOA_D	HP Processing Method	82d111424s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131590
Initial Calibration Stds	
CCC	VP131593,VP131594
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4860-07	VD080078.D	18 Nov 2024 19:22	RP/MD	Ok
23	P4860-08	VD080079.D	18 Nov 2024 19:49	RP/MD	Ok
24	VSTDCCC050	VD080080.D	18 Nov 2024 20:16	RP/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 # VY112024

Review By	Mahesh Dadoda	Review On	11/21/2024 3:23:29 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/21/2024 3:24:50 PM				
SubDirectory	VY112024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y111924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131659
Initial Calibration Stds	
CCC	VP131661,VP131662
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	VY020346.D	20 Nov 2024 08:23	SY/MD	Ok
2	VSTDCCC050	VY020347.D	20 Nov 2024 09:34	SY/MD	Ok,M
3	VY1120SBL01	VY020348.D	20 Nov 2024 10:07	SY/MD	Ok
4	VY1120SBS01	VY020349.D	20 Nov 2024 10:53	SY/MD	Ok,M
5	VY1120SBSD01	VY020350.D	20 Nov 2024 11:16	SY/MD	Ok,M
6	P4910-07	VY020351.D	20 Nov 2024 11:57	SY/MD	ReRun
7	P4910-03	VY020352.D	20 Nov 2024 12:20	SY/MD	ReRun
8	P4929-01	VY020353.D	20 Nov 2024 12:44	SY/MD	ReRun
9	P4924-03	VY020354.D	20 Nov 2024 13:07	SY/MD	Ok
10	P4916-03	VY020355.D	20 Nov 2024 13:30	SY/MD	Ok
11	P4916-07	VY020356.D	20 Nov 2024 13:54	SY/MD	Ok
12	P4916-11	VY020357.D	20 Nov 2024 14:17	SY/MD	Ok
13	P4909-02	VY020358.D	20 Nov 2024 14:41	SY/MD	ReRun
14	P4908-01	VY020359.D	20 Nov 2024 15:04	SY/MD	Ok
15	P4908-03	VY020360.D	20 Nov 2024 15:27	SY/MD	ReRun
16	P4870-03	VY020361.D	20 Nov 2024 15:51	SY/MD	ReRun
17	P4870-12	VY020362.D	20 Nov 2024 16:14	SY/MD	ReRun
18	P4870-09	VY020363.D	20 Nov 2024 16:38	SY/MD	Ok
19	P4870-06	VY020364.D	20 Nov 2024 17:01	SY/MD	ReRun
20	P4849-01	VY020365.D	20 Nov 2024 17:24	SY/MD	Ok
21	P4887-04	VY020366.D	20 Nov 2024 17:48	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112024

Review By	Mahesh Dadoda	Review On	11/21/2024 3:23:29 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	11/21/2024 3:24:50 PM				
SubDirectory	VY112024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y111924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131659
Initial Calibration Stds	
CCC	VP131661,VP131662
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4887-08	VY020367.D	20 Nov 2024 18:11	SY/MD	Ok
23	P4860-03	VY020368.D	20 Nov 2024 18:35	SY/MD	Ok
24	P4860-06	VY020369.D	20 Nov 2024 18:58	SY/MD	Ok
25	P4768-04	VY020370.D	20 Nov 2024 19:22	SY/MD	Ok
26	VSTDCCC050	VY020371.D	20 Nov 2024 19:44	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_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111524

Review By	Mahesh Dadoda	Review On	11/18/2024 3:13:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM		
SubDirectory	VD111524	HP Acquire Method		HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131514
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526
CCC	VP131535,VP131536
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131528
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080010.D	14 Nov 2024 17:14	Method failed for Comp. #05	RP/MD	Not Ok
2	VSTDICC005	VSTDICC005	VD080011.D	14 Nov 2024 18:02	%D failed for Comp. #16 in 05PPB	RP/MD	Not Ok
3	VSTDICC010	VSTDICC010	VD080012.D	14 Nov 2024 18:29		RP/MD	Not Ok
4	VSTDICC020	VSTDICC020	VD080013.D	14 Nov 2024 18:56		RP/MD	Not Ok
5	VSTDICCC050	VSTDICCC050	VD080014.D	14 Nov 2024 19:22	Comp. #10,16 are on Quadratic Regression	RP/MD	Not Ok
6	VSTDICC100	VSTDICC100	VD080015.D	14 Nov 2024 19:49		RP/MD	Not Ok
7	VSTDICC150	VSTDICC150	VD080016.D	14 Nov 2024 20:16		RP/MD	Not Ok
8	VSTDICV050	ICVVD111524	VD080017.D	14 Nov 2024 20:43	ICV Failed for comp. #13	RP/MD	Not Ok
9	VIBLK	VIBLK	VD080018.D	14 Nov 2024 21:36		RP/MD	Not Ok
10	BFB	BFB	VD080019.D	15 Nov 2024 09:14		RP/MD	Ok
11	VSTDICC005	VSTDICC005	VD080020.D	15 Nov 2024 10:04	QR @ comp #05	RP/MD	Ok,M
12	VSTDICC010	VSTDICC010	VD080021.D	15 Nov 2024 10:31	%D fail for comp #05 in 10PPB	RP/MD	Ok,M
13	VSTDICC020	VSTDICC020	VD080022.D	15 Nov 2024 10:58		RP/MD	Ok,M
14	VSTDICCC050	VSTDICCC050	VD080023.D	15 Nov 2024 11:24		RP/MD	Ok,M
15	VSTDICC100	VSTDICC100	VD080024.D	15 Nov 2024 11:51		RP/MD	Ok,M
16	VSTDICC150	VSTDICC150	VD080025.D	15 Nov 2024 12:18		RP/MD	Ok,M
17	VSTDICV050	ICVVD111524	VD080026.D	15 Nov 2024 15:44		RP/MD	Ok,M

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111524

Review By	Mahesh Dadoda	Review On	11/18/2024 3:13:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/18/2024 3:17:20 PM		
SubDirectory	VD111524	HP Acquire Method		HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131514
Initial Calibration Stds	VP131516,VP131518,VP131520,VP131522,VP131524,VP131526
CCC	VP131535,VP131536
Internal Standard/PEM	VP128297
ICV/I.BLK	VP131528
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VD1115SBL01	VBLK21	VD080027.D	15 Nov 2024 16:19		RP/MD	Ok
19	VD1115SBS01	VD1115SBS01	VD080028.D	15 Nov 2024 16:46		RP/MD	Ok,M
20	P4837-03	3TRK-STONE	VD080029.D	15 Nov 2024 17:13	vial-A	RP/MD	Ok
21	P4836-03	T3-STONE	VD080030.D	15 Nov 2024 17:40	ISTD Fail vial-A	RP/MD	ReRun
22	P4835-03	345-2-STONE	VD080031.D	15 Nov 2024 18:07	vial-A	RP/MD	Ok
23	P4834-03	SLP-1-STONE	VD080032.D	15 Nov 2024 18:34	Internal Standard and Surrogate Fail VIAL- A	RP/MD	ReRun
24	P4838-03	T1-STONE	VD080033.D	15 Nov 2024 19:01	ISTD Fail :Vial- A	RP/MD	ReRun
25	P4833-03	MH-731-VOC	VD080034.D	15 Nov 2024 19:28	Internal not spike; Surrogate fail Vial- A	RP/MD	Not Ok
26	VD1115SBSD01	VD1115SBSD01	VD080035.D	15 Nov 2024 19:55		RP/MD	Ok,M
27	VSTDCCC050	VSTD05021	VD080036.D	15 Nov 2024 20:22		RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111824

Review By	Mahesh Dadoda	Review On	11/19/2024 1:21:34 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/19/2024 1:22:24 PM		
SubDirectory	VD111824	HP Acquire Method	MSVOA_D	HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131590
Initial Calibration Stds	
CCC	VP131593,VP131594
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	VD080057.D	18 Nov 2024 09:21		RP/MD	Ok
2	VSTDCCC050	VSTDCCC050	VD080058.D	18 Nov 2024 09:51		RP/MD	Ok,M
3	VD1118SBL01	VD1118SBL01	VD080059.D	18 Nov 2024 10:27		RP/MD	Ok
4	VD1118SBS01	VD1118SBS01	VD080060.D	18 Nov 2024 10:55		RP/MD	Ok,M
5	VD1118SBSD01	VD1118SBSD01	VD080061.D	18 Nov 2024 11:22		RP/MD	Ok,M
6	P4825-01RE	STOCK-PILERE	VD080062.D	18 Nov 2024 12:08	Internal Standard Fail ;Surrogate fail VIAL- B	RP/MD	Confirms
7	P4824-01RE	T-20RE	VD080063.D	18 Nov 2024 12:35	Internal Standard Fail ;Surrogate fail VIAL- B	RP/MD	Confirms
8	P4857-03RE	VNJ-226RE	VD080064.D	18 Nov 2024 13:02	ISTD Fail vial-B	RP/MD	Confirms
9	P4859-01	NB-08-111424	VD080065.D	18 Nov 2024 13:30	vial-B	RP/MD	Ok
10	P4869-01	EO-02-11152024	VD080066.D	18 Nov 2024 13:57	vial-A	RP/MD	Ok
11	P4848-01	TP-1	VD080067.D	18 Nov 2024 14:24	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
12	P4852-01	COMP-1	VD080068.D	18 Nov 2024 14:51	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
13	P4852-02	COMP-2	VD080069.D	18 Nov 2024 15:18	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
14	P4852-03	COMP-3	VD080070.D	18 Nov 2024 15:45	Internal Standard Fail ;Surrogate fail VIAL- A	RP/MD	ReRun
15	P4850-01	OR-03-11142024	VD080071.D	18 Nov 2024 16:12	vial-A	RP/MD	Ok
16	P4860-01	DUP-01	VD080072.D	18 Nov 2024 16:39	vial-A	RP/MD	Ok

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD111824

Review By	Mahesh Dadoda	Review On	11/19/2024 1:21:34 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/19/2024 1:22:24 PM		
SubDirectory	VD111824	HP Acquire Method	MSVOA_D	HP Processing Method	82d111424s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131590
Initial Calibration Stds	
CCC	VP131593,VP131594
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

17	P4860-02	PH2-BOT-001	VD080073.D	18 Nov 2024 17:06	vial-A	RP/MD	Ok
18	P4860-03	PH2-BOT-002	VD080074.D	18 Nov 2024 17:33	Internal Standard Fail vial-A	RP/MD	ReRun
19	P4860-04	PH2-BOT-003	VD080075.D	18 Nov 2024 18:00	vial-A	RP/MD	Ok
20	P4860-05	PH2-BOT-004	VD080076.D	18 Nov 2024 18:28	vial-A	RP/MD	Ok
21	P4860-06	PH2-BOT-009	VD080077.D	18 Nov 2024 18:55	vial-A comp.#81 is out of range	RP/MD	Not Ok
22	P4860-07	PH2-BOT-008	VD080078.D	18 Nov 2024 19:22	vial-A	RP/MD	Ok
23	P4860-08	PH2-BOT-007	VD080079.D	18 Nov 2024 19:49	vial-A	RP/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VD080080.D	18 Nov 2024 20:16		RP/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

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 # VY112024

Review By	Mahesh Dadoda	Review On	11/21/2024 3:23:29 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/21/2024 3:24:50 PM		
SubDirectory	VY112024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131659
Initial Calibration Stds	
CCC	VP131661,VP131662
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	VY020346.D	20 Nov 2024 08:23		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY020347.D	20 Nov 2024 09:34		SY/MD	Ok,M
3	VY1120SBL01	VY1120SBL01	VY020348.D	20 Nov 2024 10:07		SY/MD	Ok
4	VY1120SBS01	VY1120SBS01	VY020349.D	20 Nov 2024 10:53		SY/MD	Ok,M
5	VY1120SBSD01	VY1120SBSD01	VY020350.D	20 Nov 2024 11:16		SY/MD	Ok,M
6	P4910-07	MH-759-VOC	VY020351.D	20 Nov 2024 11:57	Internal Standard Fail vial-A	SY/MD	ReRun
7	P4910-03	MH-COTTAGE-VOC	VY020352.D	20 Nov 2024 12:20	Internal Standard Fail vial-A	SY/MD	ReRun
8	P4929-01	ARS520	VY020353.D	20 Nov 2024 12:44	Internal Standard Fail vial-A	SY/MD	ReRun
9	P4924-03	MH-4-VOC	VY020354.D	20 Nov 2024 13:07	vial-A	SY/MD	Ok
10	P4916-03	TP-1-VOC	VY020355.D	20 Nov 2024 13:30	vial-A	SY/MD	Ok
11	P4916-07	TP-2-VOC	VY020356.D	20 Nov 2024 13:54	vial-A	SY/MD	Ok
12	P4916-11	TP-3-VOC	VY020357.D	20 Nov 2024 14:17	vial-A	SY/MD	Ok
13	P4909-02	BU-02-111824	VY020358.D	20 Nov 2024 14:41	Internal Standard Fail vial-A	SY/MD	ReRun
14	P4908-01	SP-1	VY020359.D	20 Nov 2024 15:04	vial-A	SY/MD	Ok
15	P4908-03	SP-2	VY020360.D	20 Nov 2024 15:27	Internal Standard Fail vial-A	SY/MD	ReRun
16	P4870-03	TP-1-VOC	VY020361.D	20 Nov 2024 15:51	Internal Standard Fail vial-A	SY/MD	ReRun
17	P4870-12	TP-15-VOC	VY020362.D	20 Nov 2024 16:14	Internal Standard Fail vial-A	SY/MD	ReRun
18	P4870-09	MH-736-VOC	VY020363.D	20 Nov 2024 16:38	vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY112024

Review By	Mahesh Dadoda	Review On	11/21/2024 3:23:29 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	11/21/2024 3:24:50 PM		
SubDirectory	VY112024	HP Acquire Method	MSVOA_Y	HP Processing Method	82y111924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP131659
Initial Calibration Stds	
CCC	VP131661,VP131662
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4870-06	MH-735-VOC	VY020364.D	20 Nov 2024 17:01	Internal Standard Fail vial-A	SY/MD	ReRun
20	P4849-01	RR-1	VY020365.D	20 Nov 2024 17:24	vial-A	SY/MD	Ok
21	P4887-04	MH-739-VOC	VY020366.D	20 Nov 2024 17:48	vial-A	SY/MD	Ok
22	P4887-08	MH-760-VOC	VY020367.D	20 Nov 2024 18:11	vial-A	SY/MD	Ok
23	P4860-03	PH2-BOT-002	VY020368.D	20 Nov 2024 18:35	vial-B	SY/MD	Ok
24	P4860-06	PH2-BOT-009	VY020369.D	20 Nov 2024 18:58	vial-B	SY/MD	Ok
25	P4768-04	B-4	VY020370.D	20 Nov 2024 19:22	vial-B	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY020371.D	20 Nov 2024 19:44		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-B	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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LAB CHRONICLE

OrderID:	P4860	**OrderDate:**	11/14/2024 1:36:41 PM
Client:	Tetra Tech	**Project:**	Ocean County Landfill 2024
Contact:	John Giuliano	**Location:**	L41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4860-01	**DUP-01**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-02	**PH2-BOT-001**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-03	**PH2-BOT-002**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/20/24	
P4860-04	**PH2-BOT-003**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-05	**PH2-BOT-004**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-06	**PH2-BOT-009**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/20/24	
P4860-07	**PH2-BOT-008**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-08	**PH2-BOT-007**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/18/24	
P4860-09	**PH2-BOT-006**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/21/24	
P4860-10	**PH2-BOT-005**	**SOIL**			**11/14/24**			**11/14/24**
			VOC-TCLVOA-10	8260D			11/21/24	