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

Hit Summary Sheet
SW-846

SDG No.: Q2010

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**TP-14**							
Q2010-03	TP-14	SOIL	Acetone	10.8	J	4.10	21.6	ug/Kg
			Total Voc :	10.8				
			Total Concentration:	10.8				
Client ID:	**TP-17**							
Q2010-04	TP-17	SOIL	Acetone	21.2		3.90	20.6	ug/Kg
Q2010-04	TP-17	SOIL	Methylcyclohexane	0.83	J	0.75	4.10	ug/Kg
Q2010-04	TP-17	SOIL	Benzene	6.90		0.65	4.10	ug/Kg
			Total Voc :	28.9				
			Total Concentration:	28.9				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.3
Sample Wt/Vol:	7.33 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
VD080330.D	1		05/14/25 18:50	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.83	U	0.83	3.70	ug/Kg
74-87-3	Chloromethane	0.83	U	0.83	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.58	U	0.58	3.70	ug/Kg
74-83-9	Bromomethane	0.78	U	0.78	3.70	ug/Kg
75-00-3	Chloroethane	0.92	U	0.92	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.88	U	0.88	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.77	U	0.77	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.73	U	0.73	3.70	ug/Kg
67-64-1	Acetone	3.50	U	3.50	18.3	ug/Kg
75-15-0	Carbon Disulfide	0.77	U	0.77	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	3.70	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
110-82-7	Cyclohexane	0.58	U	0.58	3.70	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	3.70	ug/Kg
74-97-5	Bromochloromethane	0.84	U	0.84	3.70	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.67	U	0.67	3.70	ug/Kg
71-43-2	Benzene	0.58	U	0.58	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.58	U	0.58	3.70	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.67	U	0.67	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.3	ug/Kg
108-88-3	Toluene	0.57	U	0.57	3.70	ug/Kg

Raw Data: **VD080330.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.3
Sample Wt/Vol:	7.33 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
VD080330.D	1		05/14/25 18:50	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.48	U	0.48	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.67	U	0.67	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.3	ug/Kg
124-48-1	Dibromochloromethane	0.64	U	0.64	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.77	U	0.77	3.70	ug/Kg
108-90-7	Chlorobenzene	0.67	U	0.67	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.91	U	0.91	7.30	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	3.70	ug/Kg
100-42-5	Styrene	0.52	U	0.52	3.70	ug/Kg
75-25-2	Bromoform	0.63	U	0.63	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	3.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	3.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	2.30	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	69.7		63 - 155	139%	SPK: 50
1868-53-7	Dibromofluoromethane	60.4		70 - 134	121%	SPK: 50
2037-26-5	Toluene-d8	52.5		74 - 123	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.9		38 - 136	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68300	7.876			
540-36-3	1,4-Difluorobenzene	175000	8.776			
3114-55-4	Chlorobenzene-d5	177000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	76600	13.517			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.3
Sample Wt/Vol:	7.33 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
VD080330.D	1		05/14/25 18:50	VD051425

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:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.4
Sample Wt/Vol:	5.48 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
VD080331.D	1		05/14/25 19:17	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.40	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.40	ug/Kg
75-01-4	Vinyl Chloride	0.85	U	0.85	5.40	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.40	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.40	ug/Kg
67-64-1	Acetone	5.10	U	5.10	27.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.79	U	0.79	5.40	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.40	ug/Kg
75-09-2	Methylene Chloride	3.80	U	3.80	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.93	U	0.93	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.86	U	0.86	5.40	ug/Kg
110-82-7	Cyclohexane	0.85	U	0.85	5.40	ug/Kg
78-93-3	2-Butanone	7.10	U	7.10	27.0	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.81	U	0.81	5.40	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.40	ug/Kg
67-66-3	Chloroform	0.91	U	0.91	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.40	ug/Kg
108-87-2	Methylcyclohexane	0.98	U	0.98	5.40	ug/Kg
71-43-2	Benzene	0.85	U	0.85	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.85	U	0.85	5.40	ug/Kg
79-01-6	Trichloroethene	0.88	U	0.88	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.98	U	0.98	5.40	ug/Kg
75-27-4	Bromodichloromethane	0.84	U	0.84	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.90	U	3.90	27.0	ug/Kg
108-88-3	Toluene	0.84	U	0.84	5.40	ug/Kg

Raw Data: **VD080331.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.4
Sample Wt/Vol:	5.48 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
VD080331.D	1		05/14/25 19:17	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.70	U	0.70	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.67	U	0.67	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.99	U	0.99	5.40	ug/Kg
591-78-6	2-Hexanone	4.00	U	4.00	27.0	ug/Kg
124-48-1	Dibromochloromethane	0.94	U	0.94	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.95	U	0.95	5.40	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.40	ug/Kg
108-90-7	Chlorobenzene	0.98	U	0.98	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.40	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.8	ug/Kg
95-47-6	o-Xylene	0.89	U	0.89	5.40	ug/Kg
100-42-5	Styrene	0.77	U	0.77	5.40	ug/Kg
75-25-2	Bromoform	0.93	U	0.93	5.40	ug/Kg
98-82-8	Isopropylbenzene	0.84	U	0.84	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.80	U	1.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.20	U	3.20	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.40	U	3.40	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	72.5		63 - 155	145%	SPK: 50
1868-53-7	Dibromofluoromethane	59.4		70 - 134	119%	SPK: 50
2037-26-5	Toluene-d8	50.1		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.4		38 - 136	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	68000	7.876			
540-36-3	1,4-Difluorobenzene	175000	8.776			
3114-55-4	Chlorobenzene-d5	167000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	69300	13.517			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.4
Sample Wt/Vol:	5.48 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
VD080331.D	1		05/14/25 19:17	VD051425

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: **VY022291.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	7.18 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
VY022291.D	1		05/16/25 15:15	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U	0.98	4.30	ug/Kg
74-87-3	Chloromethane	0.98	U	0.98	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.30	ug/Kg
74-83-9	Bromomethane	0.92	U	0.92	4.30	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	4.30	ug/Kg
67-64-1	Acetone	10.8	J	4.10	21.6	ug/Kg
75-15-0	Carbon Disulfide	0.91	U	0.91	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.30	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.30	ug/Kg
75-09-2	Methylene Chloride	3.00	U	3.00	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.30	ug/Kg
78-93-3	2-Butanone	5.60	U	5.60	21.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	0.99	U	0.99	4.30	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	4.30	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	4.30	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.79	U	0.79	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.67	U	0.67	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.6	ug/Kg
108-88-3	Toluene	0.67	U	0.67	4.30	ug/Kg

Raw Data: **VY022291.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	7.18 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
VY022291.D	1		05/16/25 15:15	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.54	U	0.54	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.79	U	0.79	4.30	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.6	ug/Kg
124-48-1	Dibromochloromethane	0.75	U	0.75	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.76	U	0.76	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.91	U	0.91	4.30	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.60	ug/Kg
95-47-6	o-Xylene	0.71	U	0.71	4.30	ug/Kg
100-42-5	Styrene	0.61	U	0.61	4.30	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.0		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	49.4		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.9		38 - 136	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	7.707			
540-36-3	1,4-Difluorobenzene	485000	8.616			
3114-55-4	Chlorobenzene-d5	404000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	156000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	80.7
Sample Wt/Vol:	7.18 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
VY022291.D	1		05/16/25 15:15	VY051625

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: **VY022292.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	7.85 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
VY022292.D	1		05/16/25 15:38	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	4.10	ug/Kg
74-87-3	Chloromethane	0.94	U	0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.10	ug/Kg
74-83-9	Bromomethane	0.88	U	0.88	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	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	0.82	U	0.82	4.10	ug/Kg
67-64-1	Acetone	21.2		3.90	20.6	ug/Kg
75-15-0	Carbon Disulfide	0.87	U	0.87	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.60	U	0.60	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.20	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.83	J	0.75	4.10	ug/Kg
71-43-2	Benzene	6.90		0.65	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.90	U	2.90	20.6	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

Raw Data: **VY022292.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	7.85 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
VY022292.D	1		05/16/25 15:38	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.53	U	0.53	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.72	U	0.72	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.86	U	0.86	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.20	ug/Kg
95-47-6	o-Xylene	0.67	U	0.67	4.10	ug/Kg
100-42-5	Styrene	0.58	U	0.58	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.40	U	2.40	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.0		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.8		38 - 136	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	7.707			
540-36-3	1,4-Difluorobenzene	484000	8.609			
3114-55-4	Chlorobenzene-d5	388000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	77.4
Sample Wt/Vol:	7.85 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
VY022292.D	1		05/16/25 15:38	VY051625

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

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

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2010-01	TP-10	1,2-Dichloroethane-d4	50	69.7	139	63	155
		Dibromofluoromethane	50	60.4	121	70	134
		Toluene-d8	50	52.5	105	74	123
		4-Bromofluorobenzene	50	44.9	90	38	136
Q2010-02	TP-13	1,2-Dichloroethane-d4	50	72.5	145	63	155
		Dibromofluoromethane	50	59.4	119	70	134
		Toluene-d8	50	50.1	100	74	123
		4-Bromofluorobenzene	50	42.4	85	38	136
Q2010-03	TP-14	1,2-Dichloroethane-d4	50	56.0	112	63	155
		Dibromofluoromethane	50	52.3	105	70	134
		Toluene-d8	50	49.4	99	74	123
		4-Bromofluorobenzene	50	42.9	86	38	136
Q2010-04	TP-17	1,2-Dichloroethane-d4	50	51.1	102	63	155
		Dibromofluoromethane	50	51.0	102	70	134
		Toluene-d8	50	49.0	98	74	123
		4-Bromofluorobenzene	50	40.8	82	38	136
VD0514SBL01	VD0514SBL01	1,2-Dichloroethane-d4	50	67.2	134	63	155
		Dibromofluoromethane	50	58.6	117	70	134
		Toluene-d8	50	50.8	102	74	123
		4-Bromofluorobenzene	50	44.8	90	38	136
VD0514SBS01	VD0514SBS01	1,2-Dichloroethane-d4	50	48.4	97	63	155
		Dibromofluoromethane	50	52.2	104	70	134
		Toluene-d8	50	50.9	102	74	123
		4-Bromofluorobenzene	50	49.5	99	38	136
VD0514SBSD01	VD0514SBSD01	1,2-Dichloroethane-d4	50	47.8	96	63	155
		Dibromofluoromethane	50	52.9	106	70	134
		Toluene-d8	50	51.2	102	74	123
		4-Bromofluorobenzene	50	51.6	103	38	136
VY0516SBL01	VY0516SBL01	1,2-Dichloroethane-d4	50	43.9	88	63	155
		Dibromofluoromethane	50	48.0	96	70	134
		Toluene-d8	50	48.8	98	74	123
		4-Bromofluorobenzene	50	48.5	97	38	136
VY0516SBS01	VY0516SBS01	1,2-Dichloroethane-d4	50	51.1	102	63	155
		Dibromofluoromethane	50	50.8	102	70	134
		Toluene-d8	50	50.9	102	74	123
		4-Bromofluorobenzene	50	49.4	99	38	136

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080319.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0514SBS01	Dichlorodifluoromethane	20	26.3	ug/Kg	132			64	136	
	Chloromethane	20	19.6	ug/Kg	98			70	130	
	Vinyl chloride	20	19.9	ug/Kg	100			72	129	
	Bromomethane	20	20.5	ug/Kg	103			58	141	
	Chloroethane	20	20.5	ug/Kg	103			69	130	
	Trichlorofluoromethane	20	21.8	ug/Kg	109			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.5	ug/Kg	108			81	123	
	1,1-Dichloroethene	20	18.8	ug/Kg	94			79	121	
	Acetone	100	89.4	ug/Kg	89			60	131	
	Carbon disulfide	20	19.7	ug/Kg	99			45	154	
	Methyl tert-butyl Ether	20	18.8	ug/Kg	94			77	129	
	Methyl Acetate	20	18.4	ug/Kg	92			69	149	
	Methylene Chloride	20	21.2	ug/Kg	106			56	174	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			80	123	
	1,1-Dichloroethane	20	20.1	ug/Kg	101			82	123	
	Cyclohexane	20	17.6	ug/Kg	88			76	122	
	2-Butanone	100	89.5	ug/Kg	90			69	131	
	Carbon Tetrachloride	20	21.7	ug/Kg	109			76	129	
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99			82	123	
	Bromochloromethane	20	18.5	ug/Kg	93			80	127	
	Chloroform	20	20.8	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	21.2	ug/Kg	106			80	126	
	Methylcyclohexane	20	19.4	ug/Kg	97			77	123	
	Benzene	20	20.4	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	20.4	ug/Kg	102			81	126	
	Trichloroethene	20	20.9	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	20.2	ug/Kg	101			83	122	
	Bromodichloromethane	20	20.7	ug/Kg	104			82	123	
	4-Methyl-2-Pentanone	100	95.7	ug/Kg	96			70	135	
	Toluene	20	20.7	ug/Kg	104			83	122	
	t-1,3-Dichloropropene	20	20.3	ug/Kg	102			78	124	
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106			82	125	
	2-Hexanone	100	91.1	ug/Kg	91			66	138	
	Dibromochloromethane	20	22.1	ug/Kg	111			79	125	
	1,2-Dibromoethane	20	21.4	ug/Kg	107			80	125	
	Tetrachloroethene	20	20.3	ug/Kg	102			83	125	
	Chlorobenzene	20	19.8	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.1	ug/Kg	96			82	124	
	m/p-Xylenes	40	39.7	ug/Kg	99			83	124	
	o-Xylene	20	19.2	ug/Kg	96			83	123	
	Styrene	20	20.0	ug/Kg	100			82	124	
	Bromoform	20	21.0	ug/Kg	105			75	127	
	Isopropylbenzene	20	17.7	ug/Kg	89			82	124	
	1,1,2,2-Tetrachloroethane	20	19.6	ug/Kg	98			77	127	
	1,3-Dichlorobenzene	20	18.7	ug/Kg	94			83	122	
	1,4-Dichlorobenzene	20	18.6	ug/Kg	93			84	121	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080319.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0514SBS01	1,2-Dibromo-3-Chloropropane	20	18.0	ug/Kg	90			66	134	
	1,2,4-Trichlorobenzene	20	17.6	ug/Kg	88			78	127	
	1,2,3-Trichlorobenzene	20	18.4	ug/Kg	92			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080320.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VD0514SBSD01	Dichlorodifluoromethane	20	26.0	ug/Kg	130	2		64	136	20
	Chloromethane	20	20.4	ug/Kg	102	4		70	130	20
	Vinyl chloride	20	20.7	ug/Kg	104	4		72	129	20
	Bromomethane	20	20.1	ug/Kg	101	2		58	141	20
	Chloroethane	20	21.0	ug/Kg	105	2		69	130	20
	Trichlorofluoromethane	20	21.3	ug/Kg	106	3		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/Kg	97	11		81	123	20
	1,1-Dichloroethene	20	19.3	ug/Kg	97	3		79	121	20
	Acetone	100	98.1	ug/Kg	98	10		60	131	20
	Carbon disulfide	20	19.6	ug/Kg	98	1		45	154	20
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95	1		77	129	20
	Methyl Acetate	20	21.2	ug/Kg	106	14		69	149	20
	Methylene Chloride	20	21.5	ug/Kg	108	2		56	174	20
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96	4		80	123	20
	1,1-Dichloroethane	20	19.8	ug/Kg	99	2		82	123	20
	Cyclohexane	20	17.8	ug/Kg	89	1		76	122	20
	2-Butanone	100	90.6	ug/Kg	91	1		69	131	20
	Carbon Tetrachloride	20	21.2	ug/Kg	106	3		76	129	20
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98	1		82	123	20
	Bromochloromethane	20	19.5	ug/Kg	98	5		80	127	20
	Chloroform	20	20.4	ug/Kg	102	2		82	125	20
	1,1,1-Trichloroethane	20	20.1	ug/Kg	101	5		80	126	20
	Methylcyclohexane	20	18.2	ug/Kg	91	6		77	123	20
	Benzene	20	20.5	ug/Kg	103	1		84	121	20
	1,2-Dichloroethane	20	21.6	ug/Kg	108	6		81	126	20
	Trichloroethene	20	21.2	ug/Kg	106	2		83	122	20
	1,2-Dichloropropane	20	21.4	ug/Kg	107	6		83	122	20
	Bromodichloromethane	20	21.4	ug/Kg	107	3		82	123	20
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	4		70	135	20
	Toluene	20	20.8	ug/Kg	104	0		83	122	20
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101	1		78	124	20
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100	1		81	122	20
	1,1,2-Trichloroethane	20	21.7	ug/Kg	109	3		82	125	20
	2-Hexanone	100	96.4	ug/Kg	96	5		66	138	20
	Dibromochloromethane	20	22.6	ug/Kg	113	2		79	125	20
	1,2-Dibromoethane	20	21.3	ug/Kg	106	1		80	125	20
	Tetrachloroethene	20	19.6	ug/Kg	98	4		83	125	20
	Chlorobenzene	20	19.7	ug/Kg	99	0		84	122	20
	Ethyl Benzene	20	19.3	ug/Kg	97	1		82	124	20
	m/p-Xylenes	40	39.0	ug/Kg	98	1		83	124	20
	o-Xylene	20	19.2	ug/Kg	96	0		83	123	20
	Styrene	20	19.6	ug/Kg	98	2		82	124	20
	Bromoform	20	21.1	ug/Kg	106	1		75	127	20
	Isopropylbenzene	20	18.0	ug/Kg	90	1		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99	1		77	127	20
	1,3-Dichlorobenzene	20	19.9	ug/Kg	100	6		83	122	20
	1,4-Dichlorobenzene	20	19.6	ug/Kg	98	5		84	121	20
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	0		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VD080320.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VD0514SBSD01	1,2-Dibromo-3-Chloropropane	20	20.9	ug/Kg	104	14		66	134	20
	1,2,4-Trichlorobenzene	20	18.5	ug/Kg	93	6		78	127	20
	1,2,3-Trichlorobenzene	20	18.5	ug/Kg	93	1		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022279.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0516SBS01	Dichlorodifluoromethane	20	21.1	ug/Kg	106			64	136	
	Chloromethane	20	24.4	ug/Kg	122			70	130	
	Vinyl chloride	20	24.1	ug/Kg	121			72	129	
	Bromomethane	20	26.5	ug/Kg	133			58	141	
	Chloroethane	20	24.7	ug/Kg	124			69	130	
	Trichlorofluoromethane	20	22.2	ug/Kg	111			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			81	123	
	1,1-Dichloroethene	20	20.8	ug/Kg	104			79	121	
	Acetone	100	85.5	ug/Kg	86			60	131	
	Carbon disulfide	20	20.7	ug/Kg	104			45	154	
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102			77	129	
	Methyl Acetate	20	19.8	ug/Kg	99			69	149	
	Methylene Chloride	20	20.0	ug/Kg	100			56	174	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			80	123	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			82	123	
	Cyclohexane	20	19.8	ug/Kg	99			76	122	
	2-Butanone	100	91.5	ug/Kg	92			69	131	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			76	129	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			82	123	
	Bromochloromethane	20	19.7	ug/Kg	99			80	127	
	Chloroform	20	20.9	ug/Kg	104			82	125	
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103			80	126	
	Methylcyclohexane	20	19.6	ug/Kg	98			77	123	
	Benzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			81	126	
	Trichloroethene	20	20.4	ug/Kg	102			83	122	
	1,2-Dichloropropane	20	19.4	ug/Kg	97			83	122	
	Bromodichloromethane	20	20.2	ug/Kg	101			82	123	
	4-Methyl-2-Pentanone	100	90.9	ug/Kg	91			70	135	
	Toluene	20	19.5	ug/Kg	98			83	122	
	t-1,3-Dichloropropene	20	18.9	ug/Kg	95			78	124	
	cis-1,3-Dichloropropene	20	19.3	ug/Kg	97			81	122	
	1,1,2-Trichloroethane	20	19.7	ug/Kg	99			82	125	
	2-Hexanone	100	89.2	ug/Kg	89			66	138	
	Dibromochloromethane	20	19.6	ug/Kg	98			79	125	
	1,2-Dibromoethane	20	19.8	ug/Kg	99			80	125	
	Tetrachloroethene	20	19.8	ug/Kg	99			83	125	
	Chlorobenzene	20	19.7	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.0	ug/Kg	95			82	124	
	m/p-Xylenes	40	38.4	ug/Kg	96			83	124	
	o-Xylene	20	19.4	ug/Kg	97			83	123	
	Styrene	20	18.9	ug/Kg	95			82	124	
	Bromoform	20	18.4	ug/Kg	92			75	127	
	Isopropylbenzene	20	19.3	ug/Kg	97			82	124	
	1,1,2,2-Tetrachloroethane	20	19.1	ug/Kg	96			77	127	
	1,3-Dichlorobenzene	20	18.4	ug/Kg	92			83	122	
	1,4-Dichlorobenzene	20	18.9	ug/Kg	95			84	121	
	1,2-Dichlorobenzene	20	19.1	ug/Kg	96			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022279.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0516SBS01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95			66	134	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			78	127	
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94			70	137	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VD0514SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080318.D Lab Sample ID: VD0514SBL01

Date Analyzed: 05/14/2025 Time Analyzed: 12:59

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
VD0514SBS01	VD0514SBS01	VD080319.D	05/14/2025
VD0514SBSD01	VD0514SBSD01	VD080320.D	05/14/2025
TP-10	Q2010-01	VD080330.D	05/14/2025
TP-13	Q2010-02	VD080331.D	05/14/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0516SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VY022278.D Lab Sample ID: VY0516SBL01

Date Analyzed: 05/16/2025 Time Analyzed: 09:37

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
VY0516SBS01	VY0516SBS01	VY022279.D	05/16/2025
TP-14	Q2010-03	VY022291.D	05/16/2025
TP-17	Q2010-04	VY022292.D	05/16/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080289.D BFB Injection Date: 05/06/2025

Instrument ID: MSVOA_D BFB Injection Time: 09:57

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	19.8
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.7 (0.8) 1
174	50.0 - 100.0% of mass 95	89.6
175	5.0 - 9.0% of mass 174	6.4 (7.2) 1
176	95.0 - 101.0% of mass 174	86 (96) 1
177	5.0 - 9.0% of mass 176	6.1 (7.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VD080290.D	05/06/2025	13:33
VSTDICC010	VSTDICC010	VD080291.D	05/06/2025	13:55
VSTDICC020	VSTDICC020	VD080292.D	05/06/2025	14:23
VSTDICCC050	VSTDICCC050	VD080293.D	05/06/2025	14:51
VSTDICC100	VSTDICC100	VD080294.D	05/06/2025	15:19
VSTDICC150	VSTDICC150	VD080295.D	05/06/2025	15:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080316.D BFB Injection Date: 05/14/2025

Instrument ID: MSVOA_D BFB Injection Time: 10:44

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	20
75	30.0 - 60.0% of mass 95	52.4
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	1.6 (1.7) 1
174	50.0 - 100.0% of mass 95	95.3
175	5.0 - 9.0% of mass 174	7.7 (8) 1
176	95.0 - 101.0% of mass 174	90.8 (95.3) 1
177	5.0 - 9.0% of mass 176	6.6 (7.3) 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	VD080317.D	05/14/2025	12:25
VD0514SBL01	VD0514SBL01	VD080318.D	05/14/2025	12:59
VD0514SBS01	VD0514SBS01	VD080319.D	05/14/2025	13:29
VD0514SBSD01	VD0514SBSD01	VD080320.D	05/14/2025	13:57
TP-10	Q2010-01	VD080330.D	05/14/2025	18:50
TP-13	Q2010-02	VD080331.D	05/14/2025	19:17

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VY022252.D BFB Injection Date: 05/15/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24
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	6.8
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	5.9 (7.3) 1
176	95.0 - 101.0% of mass 174	77.5 (96.3) 1
177	5.0 - 9.0% of mass 176	5.3 (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	VY022253.D	05/15/2025	09:46
VSTDICC010	VSTDICC010	VY022254.D	05/15/2025	10:16
VSTDICC020	VSTDICC020	VY022255.D	05/15/2025	10:39
VSTDICCC050	VSTDICCC050	VY022256.D	05/15/2025	11:02
VSTDICC100	VSTDICC100	VY022257.D	05/15/2025	11:24
VSTDICC150	VSTDICC150	VY022258.D	05/15/2025	11:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VY022276.D BFB Injection Date: 05/16/2025

Instrument ID: MSVOA_Y BFB Injection Time: 07:54

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	25.1
75	30.0 - 60.0% of mass 95	58.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.9 (1) 1
174	50.0 - 100.0% of mass 95	83.3
175	5.0 - 9.0% of mass 174	6.2 (7.4) 1
176	95.0 - 101.0% of mass 174	81.9 (98.3) 1
177	5.0 - 9.0% of mass 176	5.6 (6.9) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022277.D	05/16/2025	08:24
VY0516SBL01	VY0516SBL01	VY022278.D	05/16/2025	09:37
VY0516SBS01	VY0516SBS01	VY022279.D	05/16/2025	10:09
TP-14	Q2010-03	VY022291.D	05/16/2025	15:15
TP-17	Q2010-04	VY022292.D	05/16/2025	15:38

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080317.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_D Time Analyzed: 12:25

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	122311	7.88	190669	8.78	180076	11.58
UPPER LIMIT	244622	8.376	381338	9.276	360152	12.082
LOWER LIMIT	61155.5	7.376	95334.5	8.276	90038	11.082
EPA SAMPLE NO.						
TP-10	68271	7.88	175457	8.78	176652	11.58
TP-13	68027	7.88	175314	8.78	166929	11.58
VD0514SBL01	76535	7.88	201385	8.78	193499	11.58
VD0514SBS01	107481	7.88	177282	8.78	170015	11.58
VD0514SBSD01	108123	7.88	175447	8.78	170138	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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VD080317.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_D Time Analyzed: 12:25

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

	IS4 AREA #	RT #				
12 HOUR STD	99603	13.517				
UPPER LIMIT	199206	14.017				
LOWER LIMIT	49801.5	13.017				
EPA SAMPLE NO.						
TP-10	76572	13.52				
TP-13	69324	13.52				
VD0514SBL01	87202	13.52				
VD0514SBS01	97541	13.52				
VD0514SBSD01	94201	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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VY022277.D Date Analyzed: 05/16/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:24

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	212993	7.71	356583	8.62	305829	11.42
UPPER LIMIT	425986	8.207	713166	9.115	611658	11.92
LOWER LIMIT	106497	7.207	178292	8.115	152915	10.92
EPA SAMPLE NO.						
TP-14	268422	7.71	485395	8.62	403756	11.41
TP-17	268322	7.71	484104	8.61	388336	11.41
VY0516SBL01	314347	7.71	555500	8.62	426459	11.42
VY0516SBS01	205076	7.71	351708	8.62	300126	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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab File ID: VY022277.D Date Analyzed: 05/16/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:24

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

	IS4 AREA #	RT #				
12 HOUR STD	144477	13.346				
UPPER LIMIT	288954	13.846				
LOWER LIMIT	72238.5	12.846				
EPA SAMPLE NO.						
TP-14	155516	13.35				
TP-17	145207	13.35				
VY0516SBL01	151389	13.35				
VY0516SBS01	141210	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBL01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VD080318.D	1		05/14/25 12:59	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	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	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBL01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VD080318.D	1		05/14/25 12:59	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.2		63 - 155	134%	SPK: 50
1868-53-7	Dibromofluoromethane	58.6		70 - 134	117%	SPK: 50
2037-26-5	Toluene-d8	50.8		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		38 - 136	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	76500	7.876			
540-36-3	1,4-Difluorobenzene	201000	8.776			
3114-55-4	Chlorobenzene-d5	193000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	87200	13.517			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBL01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VD080318.D	1		05/14/25 12:59	VD051425

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBL01	SDG No.:	Q2010
Lab Sample ID:	VY0516SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022278.D	1		05/16/25 09:37	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	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	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBL01	SDG No.:	Q2010
Lab Sample ID:	VY0516SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022278.D	1		05/16/25 09:37	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.9		63 - 155	88%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	48.8		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		38 - 136	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	314000	7.707			
540-36-3	1,4-Difluorobenzene	556000	8.616			
3114-55-4	Chlorobenzene-d5	426000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.347			

Raw Data: **VY022278.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBL01	SDG No.:	Q2010
Lab Sample ID:	VY0516SBL01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022278.D	1		05/16/25 09:37	VY051625

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBS01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VD080319.D	1		05/14/25 13:29	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	26.3		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.5		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.8		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.8		1.00	5.00	ug/Kg
67-64-1	Acetone	89.4		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	89.5		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	18.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.2		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.4		0.91	5.00	ug/Kg
71-43-2	Benzene	20.4		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.7		0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBS01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VD080319.D	1		05/14/25 13:29	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	91.1		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.8		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.7		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	20.0		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.7		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.6		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.7		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	107000	7.876			
540-36-3	1,4-Difluorobenzene	177000	8.776			
3114-55-4	Chlorobenzene-d5	170000	11.576			
3855-82-1	1,4-Dichlorobenzene-d4	97500	13.517			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBS01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VD080319.D	1		05/14/25 13:29	VD051425

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q2010
Lab Sample ID:	VY0516SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	24.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	24.1		0.79	5.00	ug/Kg
74-83-9	Bromomethane	26.5		1.10	5.00	ug/Kg
75-00-3	Chloroethane	24.7		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.2		1.20	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	20.8		1.00	5.00	ug/Kg
67-64-1	Acetone	85.5		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.7		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.8		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.0		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	91.5		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	90.9		3.60	25.0	ug/Kg
108-88-3	Toluene	19.5		0.78	5.00	ug/Kg

Raw Data: **VY022279.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q2010
Lab Sample ID:	VY0516SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022279.D	1		05/16/25 10:09	VY051625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.9		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	89.2		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.0		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.4		0.82	5.00	ug/Kg
100-42-5	Styrene	18.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.3		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.1		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	18.4		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.9		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		38 - 136	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	7.707			
540-36-3	1,4-Difluorobenzene	352000	8.616			
3114-55-4	Chlorobenzene-d5	300000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			

Raw Data: **VY022279.D**

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VY0516SBS01	SDG No.:	Q2010
Lab Sample ID:	VY0516SBS01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VY022279.D	1		05/16/25 10:09	VY051625

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:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBSD01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VD080320.D	1		05/14/25 13:57	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	26.0		1.10	5.00	ug/Kg
74-87-3	Chloromethane	20.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.7		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.3		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.3		1.00	5.00	ug/Kg
67-64-1	Acetone	98.1		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	21.2		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	21.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	17.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	90.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.1		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.2		0.91	5.00	ug/Kg
71-43-2	Benzene	20.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.4		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.8		0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBSD01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VD080320.D	1		05/14/25 13:57	VD051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.7		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	96.4		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.3		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	19.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.3		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	19.6		0.71	5.00	ug/Kg
75-25-2	Bromoform	21.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	18.0		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.9		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.6		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.5		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		70 - 134	106%	SPK: 50
2037-26-5	Toluene-d8	51.2		74 - 123	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		38 - 136	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	108000	7.876			
540-36-3	1,4-Difluorobenzene	175000	8.776			
3114-55-4	Chlorobenzene-d5	170000	11.582			
3855-82-1	1,4-Dichlorobenzene-d4	94200	13.517			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	VD0514SBSD01	SDG No.:	Q2010
Lab Sample ID:	VD0514SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% 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
VD080320.D	1		05/14/25 13:57	VD051425

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,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:33 15:47

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

LAB FILE ID: RRF005 = VD080290.D RRF010 = VD080291.D RRF020 = VD080292.D
RRF050 = VD080293.D RRF100 = VD080294.D RRF150 = VD080295.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.732	0.664	0.648	0.388	0.418	0.406	0.543	28.5
Chloromethane	1.499	1.184	1.124	0.803	0.825	0.802	1.039	27.1
Vinyl Chloride	1.664	1.460	1.398	1.065	1.111	1.101	1.300	18.8
Bromomethane	1.188	0.914	1.047	0.732	0.837	0.895	0.936	17.2
Chloroethane	1.103	0.992	1.005	0.776	0.827	0.812	0.919	14.4
Trichlorofluoromethane	1.252	1.072	1.052	0.846	0.892	0.866	0.997	15.8
1,1,2-Trichlorotrifluoroethane	0.797	0.659	0.635	0.524	0.537	0.533	0.614	17.3
1,1-Dichloroethene	0.775	0.620	0.620	0.514	0.549	0.554	0.605	15.4
Acetone	0.181	0.122	0.110	0.097	0.100	0.102	0.119	27
Carbon Disulfide	2.743	2.221	2.214	1.751	1.850	1.835	2.102	17.7
Methyl tert-butyl Ether	1.396	1.161	1.333	1.247	1.405	1.438	1.330	8.1
Methyl Acetate	0.506	0.453	0.401	0.349	0.392	0.409	0.418	13
Methylene Chloride	1.259	0.906	0.802	0.657	0.666	0.657	0.825	28.5
trans-1,2-Dichloroethene	0.818	0.627	0.664	0.584	0.629	0.625	0.658	12.5
1,1-Dichloroethane	1.445	1.287	1.247	1.102	1.160	1.165	1.234	9.9
Cyclohexane	1.309	1.043	1.046	0.919	0.990	0.995	1.050	12.8
2-Butanone	0.204	0.164	0.175	0.167	0.176	0.182	0.178	8.1
Carbon Tetrachloride	0.527	0.532	0.559	0.492	0.513	0.512	0.522	4.3
cis-1,2-Dichloroethene	0.798	0.705	0.726	0.663	0.738	0.742	0.729	6.1
Bromochloromethane	0.699	0.600	0.578	0.537	0.524	0.510	0.575	12.2
Chloroform	1.450	1.234	1.268	1.107	1.163	1.162	1.231	9.9
1,1,1-Trichloroethane	1.148	1.022	1.030	0.898	0.959	0.968	1.004	8.5
Methylcyclohexane	0.561	0.532	0.577	0.544	0.636	0.638	0.581	7.9
Benzene	1.653	1.479	1.609	1.462	1.611	1.602	1.569	5
1,2-Dichloroethane	0.489	0.448	0.482	0.422	0.450	0.438	0.455	5.7
Trichloroethene	0.388	0.353	0.378	0.334	0.368	0.365	0.364	5.3
1,2-Dichloropropane	0.404	0.391	0.416	0.386	0.412	0.407	0.402	3
Bromodichloromethane	0.576	0.542	0.563	0.528	0.568	0.560	0.556	3.2
4-Methyl-2-Pentanone	0.211	0.204	0.257	0.248	0.273	0.276	0.245	12.6
Toluene	0.880	0.863	0.961	0.918	1.031	1.020	0.945	7.5

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:33 15:47

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

LAB FILE ID: RRF005 = VD080290.D RRF010 = VD080291.D RRF020 = VD080292.D
RRF050 = VD080293.D RRF100 = VD080294.D RRF150 = VD080295.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.498	0.458	0.509	0.488	0.541	0.548	0.507	6.7
cis-1,3-Dichloropropene	0.566	0.528	0.602	0.573	0.630	0.628	0.588	6.8
1,1,2-Trichloroethane	0.295	0.281	0.296	0.285	0.294	0.289	0.290	2.1
2-Hexanone	0.155	0.139	0.168	0.170	0.189	0.189	0.168	11.7
Dibromochloromethane	0.353	0.338	0.379	0.354	0.380	0.376	0.363	4.8
1,2-Dibromoethane	0.270	0.244	0.293	0.252	0.279	0.275	0.269	6.8
Tetrachloroethene	0.360	0.339	0.352	0.316	0.331	0.334	0.339	4.6
Chlorobenzene	1.242	1.073	1.130	1.071	1.123	1.134	1.129	5.5
Ethyl Benzene	1.759	1.647	1.863	1.857	2.086	2.108	1.887	9.6
m/p-Xylenes	0.659	0.640	0.739	0.738	0.809	0.810	0.733	9.8
o-Xylene	0.603	0.600	0.649	0.665	0.743	0.757	0.669	10.1
Styrene	1.065	1.039	1.200	1.219	1.338	1.351	1.202	10.9
Bromoform	0.237	0.226	0.235	0.220	0.233	0.231	0.230	2.8
Isopropylbenzene	3.191	2.869	3.174	3.172	3.480	3.575	3.243	7.8
1,1,2,2-Tetrachloroethane	0.803	0.695	0.752	0.650	0.693	0.686	0.713	7.7
1,3-Dichlorobenzene	1.873	1.692	1.761	1.652	1.754	1.796	1.755	4.4
1,4-Dichlorobenzene	2.078	1.687	1.789	1.640	1.699	1.719	1.769	9
1,2-Dichlorobenzene	1.677	1.430	1.549	1.445	1.519	1.525	1.524	5.8
1,2-Dibromo-3-Chloropropane	0.123	0.126	0.113	0.106	0.105	0.108	0.114	7.9
1,2,4-Trichlorobenzene	1.137	0.827	0.914	0.915	0.972	0.985	0.959	10.8
1,2,3-Trichlorobenzene	0.980	0.750	0.826	0.824	0.884	0.881	0.857	9
1,2-Dichloroethane-d4	0.770	0.661	0.646	0.590	0.606	0.606	0.647	10.2
Dibromofluoromethane	0.339	0.320	0.340	0.334	0.337	0.339	0.335	2.3
Toluene-d8	1.242	1.231	1.299	1.330	1.409	1.412	1.320	6
4-Bromofluorobenzene	0.362	0.409	0.414	0.425	0.468	0.466	0.424	9.4

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

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

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.546	0.587	0.541	0.507	0.470	0.479	0.522	8.5
Chloromethane	1.212	1.237	1.153	1.042	1.046	0.894	1.097	11.7
Vinyl Chloride	1.265	1.317	1.264	1.210	1.190	1.110	1.226	5.9
Bromomethane	1.107	1.033	1.058	0.877	0.955	0.959	0.998	8.3
Chloroethane	0.751	0.814	0.796	0.756	0.733	0.727	0.763	4.6
Trichlorofluoromethane	1.254	1.292	1.260	1.214	1.211	1.217	1.241	2.6
1,1,2-Trichlorotrifluoroethane	0.548	0.577	0.544	0.538	0.507	0.520	0.539	4.5
1,1-Dichloroethene	0.545	0.544	0.540	0.539	0.518	0.523	0.535	2.2
Acetone	0.126	0.114	0.096	0.093	0.094	0.092	0.102	13.6
Carbon Disulfide	1.768	1.822	1.764	1.753	1.679	1.679	1.744	3.2
Methyl tert-butyl Ether	1.463	1.523	1.393	1.459	1.504	1.507	1.475	3.2
Methyl Acetate	0.349	0.308	0.286	0.302	0.346	0.347	0.323	8.6
Methylene Chloride	0.797	0.811	0.646	0.597	0.570	0.552	0.662	17.3
trans-1,2-Dichloroethene	0.577	0.609	0.603	0.592	0.580	0.581	0.590	2.2
1,1-Dichloroethane	1.112	1.136	1.099	1.117	1.093	1.082	1.106	1.7
Cyclohexane	1.300	1.191	1.077	1.055	0.998	1.011	1.105	10.6
2-Butanone	0.180	0.181	0.158	0.161	0.174	0.174	0.171	5.6
Carbon Tetrachloride	0.485	0.524	0.494	0.516	0.509	0.524	0.509	3.2
cis-1,2-Dichloroethene	0.662	0.687	0.668	0.691	0.687	0.693	0.681	1.9
Bromochloromethane	0.463	0.484	0.467	0.473	0.469	0.476	0.472	1.6
Chloroform	1.032	1.079	1.067	1.079	1.054	1.057	1.061	1.7
1,1,1-Trichloroethane	1.007	0.997	0.960	0.969	0.944	0.964	0.974	2.4
Methylcyclohexane	0.664	0.678	0.645	0.670	0.639	0.667	0.660	2.3
Benzene	1.369	1.462	1.435	1.499	1.482	1.496	1.457	3.4
1,2-Dichloroethane	0.381	0.399	0.378	0.402	0.403	0.402	0.394	2.9
Trichloroethene	0.358	0.366	0.361	0.371	0.356	0.363	0.362	1.5
1,2-Dichloropropane	0.337	0.361	0.344	0.357	0.354	0.355	0.351	2.6
Bromodichloromethane	0.466	0.494	0.476	0.506	0.504	0.504	0.492	3.4
4-Methyl-2-Pentanone	0.238	0.247	0.230	0.253	0.275	0.275	0.253	7.4
Toluene	0.871	0.924	0.890	0.944	0.947	0.961	0.923	3.8

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_Y Calibration Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 11:47

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

LAB FILE ID: RRF005 = VY022253.D RRF010 = VY022254.D RRF020 = VY022255.D
RRF050 = VY022256.D RRF100 = VY022257.D RRF150 = VY022258.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.464	0.473	0.457	0.487	0.498	0.499	0.480	3.7
cis-1,3-Dichloropropene	0.523	0.548	0.535	0.562	0.562	0.568	0.550	3.2
1,1,2-Trichloroethane	0.241	0.243	0.232	0.243	0.248	0.249	0.243	2.4
2-Hexanone	0.167	0.167	0.151	0.166	0.183	0.185	0.170	7.4
Dibromochloromethane	0.296	0.314	0.298	0.323	0.329	0.330	0.315	4.9
1,2-Dibromoethane	0.221	0.228	0.214	0.227	0.234	0.232	0.226	3.2
Tetrachloroethene	0.474	0.481	0.470	0.474	0.446	0.429	0.462	4.4
Chlorobenzene	1.112	1.110	1.106	1.154	1.143	1.143	1.128	1.9
Ethyl Benzene	2.014	2.043	2.049	2.175	2.173	2.222	2.113	4.1
m/p-Xylenes	0.749	0.770	0.763	0.818	0.825	0.852	0.796	5.2
o-Xylene	0.704	0.741	0.723	0.768	0.782	0.802	0.753	4.9
Styrene	1.182	1.214	1.210	1.303	1.335	1.380	1.270	6.3
Bromoform	0.202	0.214	0.194	0.209	0.219	0.217	0.209	4.5
Isopropylbenzene	4.157	4.192	4.100	4.197	4.028	4.181	4.142	1.6
1,1,2,2-Tetrachloroethane	0.656	0.647	0.581	0.628	0.645	0.666	0.637	4.8
1,3-Dichlorobenzene	1.757	1.774	1.715	1.838	1.839	1.914	1.806	4
1,4-Dichlorobenzene	1.759	1.765	1.706	1.750	1.723	1.720	1.737	1.4
1,2-Dichlorobenzene	1.526	1.520	1.479	1.534	1.520	1.523	1.517	1.3
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.093	0.100	0.109	0.104	0.103	5.7
1,2,4-Trichlorobenzene	0.860	0.845	0.848	0.900	0.904	0.902	0.876	3.2
1,2,3-Trichlorobenzene	0.753	0.721	0.702	0.752	0.777	0.756	0.743	3.6
1,2-Dichloroethane-d4	0.547	0.559	0.527	0.541	0.545	0.560	0.546	2.2
Dibromofluoromethane	0.294	0.294	0.294	0.301	0.297	0.310	0.298	2.2
Toluene-d8	1.224	1.200	1.195	1.230	1.214	1.272	1.222	2.3
4-Bromofluorobenzene	0.390	0.386	0.368	0.387	0.387	0.407	0.387	3.3

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date/Time: 05/14/2025 12:25

Lab File ID: VD080317.D Init. Calib. Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:33 15:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.543	0.436		-19.7	20
Chloromethane	1.039	0.814	0.1	-21.66	20
Vinyl Chloride	1.300	1.137		-12.54	20
Bromomethane	0.936	0.779		-16.77	20
Chloroethane	0.919	0.846		-7.94	20
Trichlorofluoromethane	0.997	1.006		0.9	20
1,1,2-Trichlorotrifluoroethane	0.614	0.614		0	20
1,1-Dichloroethene	0.605	0.601		-0.66	20
Acetone	0.119	0.127		6.72	20
Carbon Disulfide	2.102	1.931		-8.14	20
Methyl tert-butyl Ether	1.330	1.424		7.07	20
Methyl Acetate	0.418	0.354		-15.31	20
Methylene Chloride	0.825	0.727		-11.88	20
trans-1,2-Dichloroethene	0.658	0.677		2.89	20
1,1-Dichloroethane	1.234	1.235	0.1	0.08	20
Cyclohexane	1.050	1.017		-3.14	20
2-Butanone	0.178	0.179		0.56	20
Carbon Tetrachloride	0.522	0.606		16.09	20
cis-1,2-Dichloroethene	0.729	0.772		5.9	20
Bromochloromethane	0.575	0.481		-16.35	20
Chloroform	1.231	1.284		4.3	20
1,1,1-Trichloroethane	1.004	1.082		7.77	20
Methylcyclohexane	0.581	0.680		17.04	20
Benzene	1.569	1.746		11.28	20
1,2-Dichloroethane	0.455	0.494		8.57	20
Trichloroethene	0.364	0.417		14.56	20
1,2-Dichloropropane	0.402	0.459		14.18	20
Bromodichloromethane	0.556	0.625		12.41	20
4-Methyl-2-Pentanone	0.245	0.267		8.98	20
Toluene	0.945	1.116		18.09	20
t-1,3-Dichloropropene	0.507	0.565		11.44	20
cis-1,3-Dichloropropene	0.588	0.678		15.31	20
1,1,2-Trichloroethane	0.290	0.333		14.83	20
2-Hexanone	0.168	0.190		13.1	20
Dibromochloromethane	0.363	0.436		20.11	20
1,2-Dibromoethane	0.269	0.309		14.87	20
Tetrachloroethene	0.339	0.392		15.63	20
Chlorobenzene	1.129	1.250	0.3	10.72	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_D Calibration Date/Time: 05/14/2025 12:25

Lab File ID: VD080317.D Init. Calib. Date(s): 05/06/2025 05/06/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:33 15:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.887	2.227		18.02	20
m/p-Xylenes	0.733	0.893		21.83	20
o-Xylene	0.669	0.794		18.68	20
Styrene	1.202	1.446		20.3	20
Bromoform	0.230	0.268	0.1	16.52	20
Isopropylbenzene	3.243	3.804		17.3	20
1,1,2,2-Tetrachloroethane	0.713	0.750	0.3	5.19	20
1,3-Dichlorobenzene	1.755	1.987		13.22	20
1,4-Dichlorobenzene	1.769	1.938		9.55	20
1,2-Dichlorobenzene	1.524	1.732		13.65	20
1,2-Dibromo-3-Chloropropane	0.114	0.120		5.26	20
1,2,4-Trichlorobenzene	0.959	1.090		13.66	20
1,2,3-Trichlorobenzene	0.857	0.960		12.02	20
1,2-Dichloroethane-d4	0.647	0.574		-11.28	20
Dibromofluoromethane	0.335	0.347		3.58	20
Toluene-d8	1.320	1.360		3.03	20
4-Bromofluorobenzene	0.424	0.439		3.54	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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 08:24

Lab File ID: VY022277.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.522	0.521		-0.19	20
Chloromethane	1.097	1.067	0.1	-2.73	20
Vinyl Chloride	1.226	1.343		9.54	20
Bromomethane	0.998	1.071		7.32	20
Chloroethane	0.763	0.887		16.25	20
Trichlorofluoromethane	1.241	1.308		5.4	20
1,1,2-Trichlorotrifluoroethane	0.539	0.569		5.57	20
1,1-Dichloroethene	0.535	0.570		6.54	20
Acetone	0.102	0.103		0.98	20
Carbon Disulfide	1.744	1.850		6.08	20
Methyl tert-butyl Ether	1.475	1.543		4.61	20
Methyl Acetate	0.323	0.324		0.31	20
Methylene Chloride	0.662	0.631		-4.68	20
trans-1,2-Dichloroethene	0.590	0.626		6.1	20
1,1-Dichloroethane	1.106	1.172	0.1	5.97	20
Cyclohexane	1.105	1.093		-1.09	20
2-Butanone	0.171	0.166		-2.92	20
Carbon Tetrachloride	0.509	0.537		5.5	20
cis-1,2-Dichloroethene	0.681	0.737		8.22	20
Bromochloromethane	0.472	0.487		3.18	20
Chloroform	1.061	1.161		9.43	20
1,1,1-Trichloroethane	0.974	1.038		6.57	20
Methylcyclohexane	0.660	0.680		3.03	20
Benzene	1.457	1.567		7.55	20
1,2-Dichloroethane	0.394	0.417		5.84	20
Trichloroethene	0.362	0.381		5.25	20
1,2-Dichloropropane	0.351	0.371		5.7	20
Bromodichloromethane	0.492	0.533		8.33	20
4-Methyl-2-Pentanone	0.253	0.250		-1.19	20
Toluene	0.923	0.982		6.39	20
t-1,3-Dichloropropene	0.480	0.500		4.17	20
cis-1,3-Dichloropropene	0.550	0.587		6.73	20
1,1,2-Trichloroethane	0.243	0.254		4.53	20
2-Hexanone	0.170	0.165		-2.94	20
Dibromochloromethane	0.315	0.338		7.3	20
1,2-Dibromoethane	0.226	0.238		5.31	20
Tetrachloroethene	0.462	0.477		3.25	20
Chlorobenzene	1.128	1.200	0.3	6.38	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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG No.: Q2010

Instrument ID: MSVOA_Y Calibration Date/Time: 05/16/2025 08:24

Lab File ID: VY022277.D Init. Calib. Date(s): 05/15/2025 05/15/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 11:47

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.113	2.235		5.77	20
m/p-Xylenes	0.796	0.848		6.53	20
o-Xylene	0.753	0.804		6.77	20
Styrene	1.270	1.355		6.69	20
Bromoform	0.209	0.214	0.1	2.39	20
Isopropylbenzene	4.142	4.419		6.69	20
1,1,2,2-Tetrachloroethane	0.637	0.651	0.3	2.2	20
1,3-Dichlorobenzene	1.806	1.921		6.37	20
1,4-Dichlorobenzene	1.737	1.826		5.12	20
1,2-Dichlorobenzene	1.517	1.596		5.21	20
1,2-Dibromo-3-Chloropropane	0.103	0.104		0.97	20
1,2,4-Trichlorobenzene	0.876	0.929		6.05	20
1,2,3-Trichlorobenzene	0.743	0.768		3.37	20
1,2-Dichloroethane-d4	0.546	0.552		1.1	20
Dibromofluoromethane	0.298	0.308		3.36	20
Toluene-d8	1.222	1.265		3.52	20
4-Bromofluorobenzene	0.387	0.388		0.26	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\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Time: May 15 03:38:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

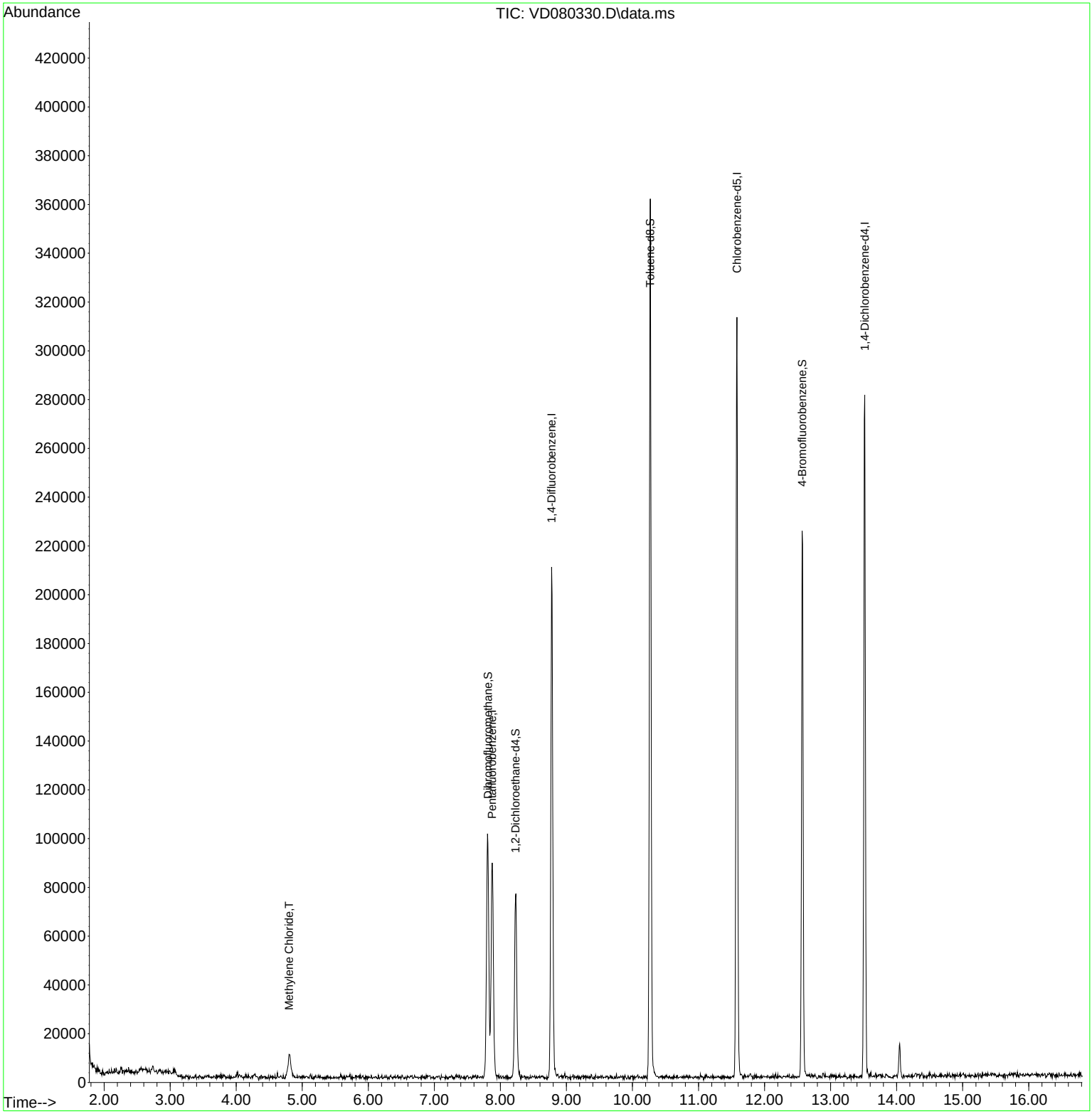
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	68271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	176652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	76572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	61521	69.684	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.360%			
35) Dibromofluoromethane	7.811	113	70976	60.355	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.700%			
50) Toluene-d8	10.270	98	243453	52.542	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.080%			
62) 4-Bromofluorobenzene	12.570	95	66832	44.938	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.880%			
Target Compounds						Qvalue
20) Methylene Chloride	4.800	84	6639	3.481	ug/l	93

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

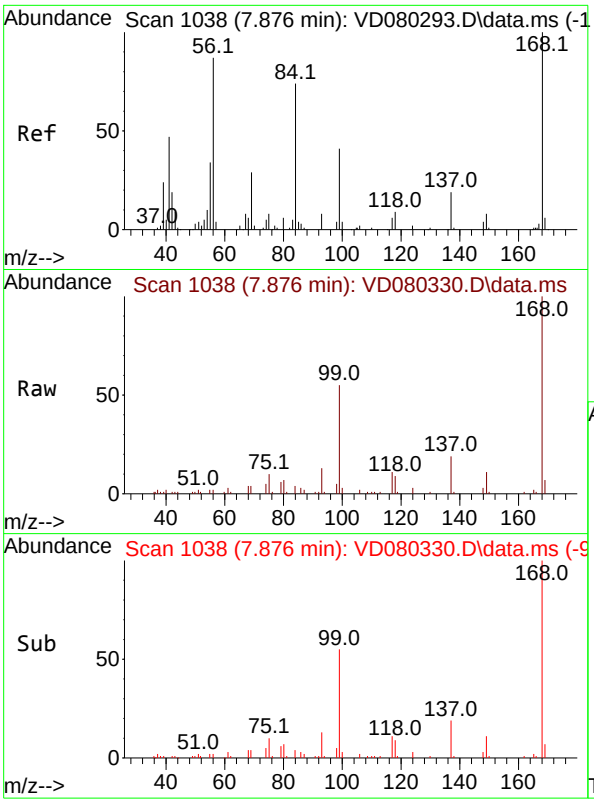
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Time: May 15 03:38:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration



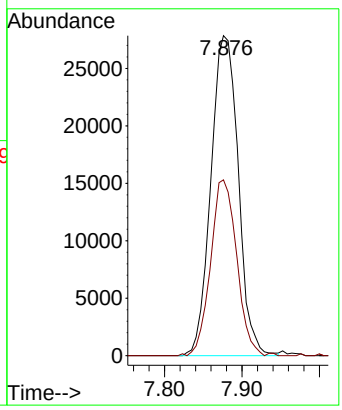
Instrument :
MSVOA_D
ClientSampleId :
TP-10

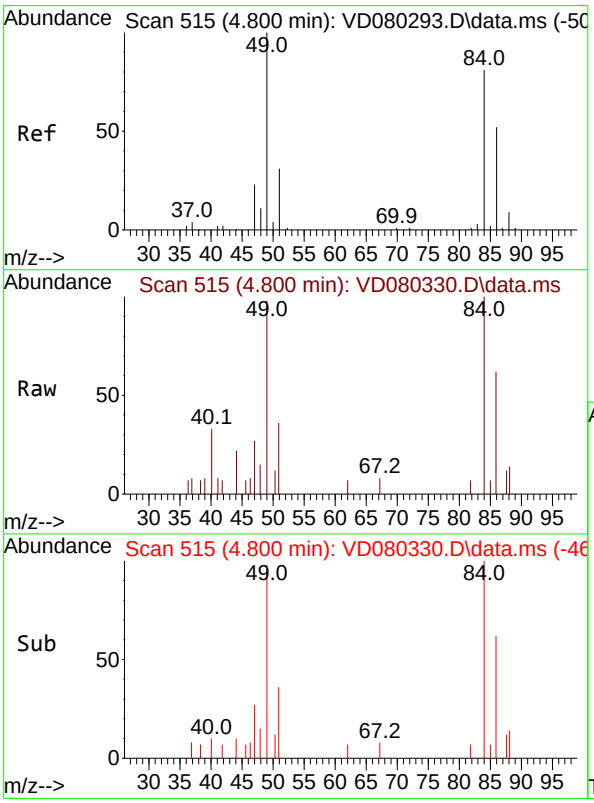


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:168 Resp: 68271

Ion	Ratio	Lower	Upper
168	100		
99	55.0	46.0	69.0

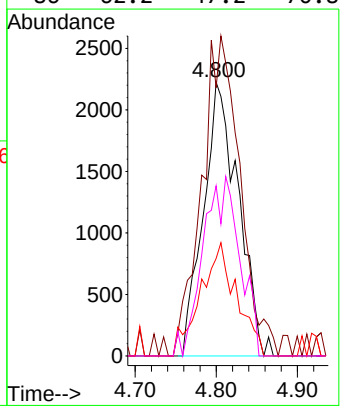


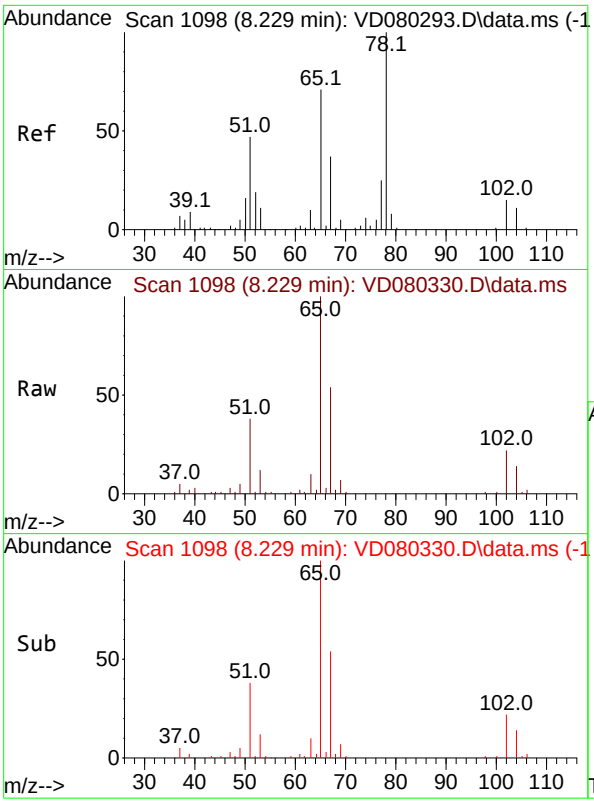


#20
Methylene Chloride
Concen: 3.481 ug/l
RT: 4.800 min Scan# 515
Delta R.T. -0.005 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion: 84 Resp: 6639

Ion	Ratio	Lower	Upper
84	100		
49	98.0	86.5	129.7
51	35.6	26.9	40.3
86	62.2	47.2	70.8



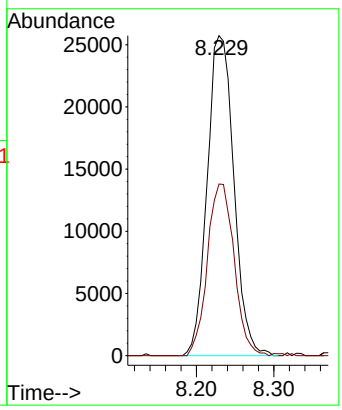


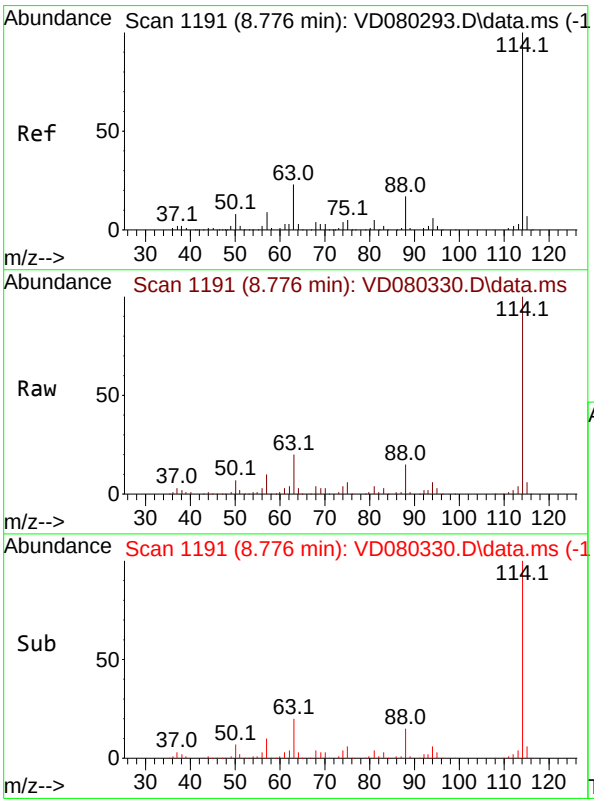
#33
1,2-Dichloroethane-d4
Concen: 69.684 ug/l
RT: 8.229 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Tgt Ion: 65 Resp: 61521

Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	109.2

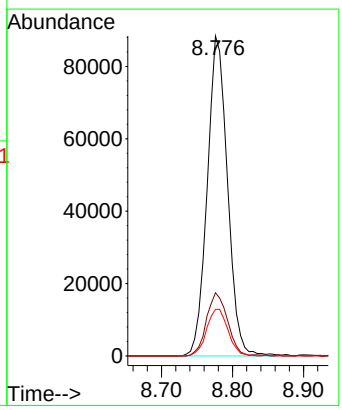


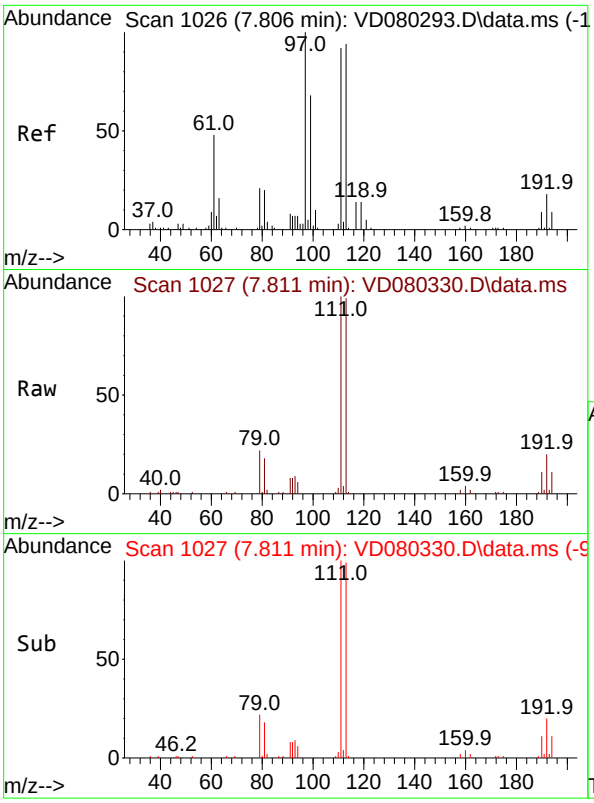


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 1191
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:114 Resp: 175457

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	38.8
88	14.5	0.0	30.6



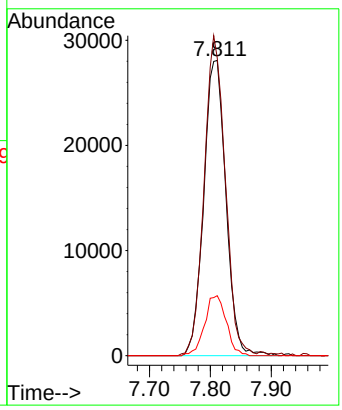


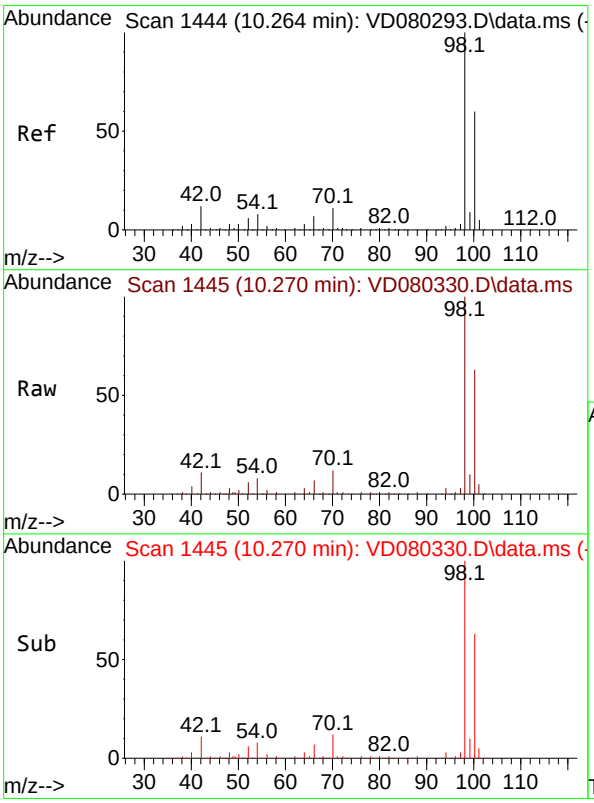
#35
Dibromofluoromethane
Concen: 60.355 ug/l
RT: 7.811 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Tgt Ion:113 Resp: 70976

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.5	123.7
192	19.9	16.6	25.0

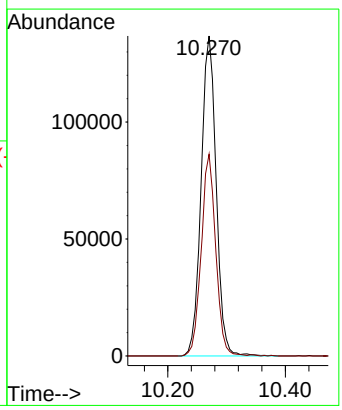


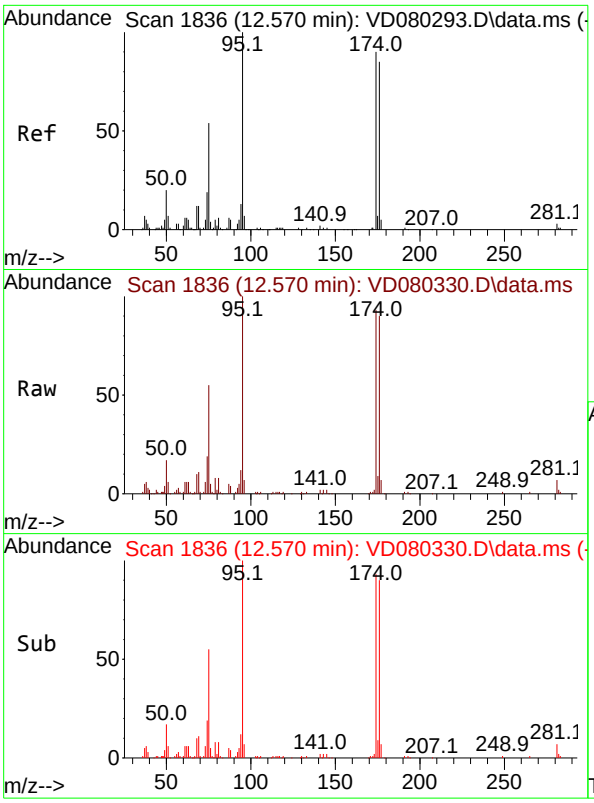


#50
Toluene-d8
Concen: 52.542 ug/l
RT: 10.270 min Scan# 1445
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion: 98 Resp: 243453

Ion	Ratio	Lower	Upper
98	100		
100	60.7	50.2	75.4



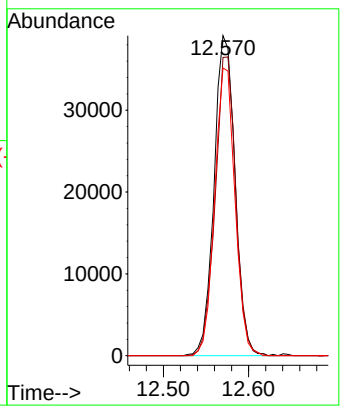


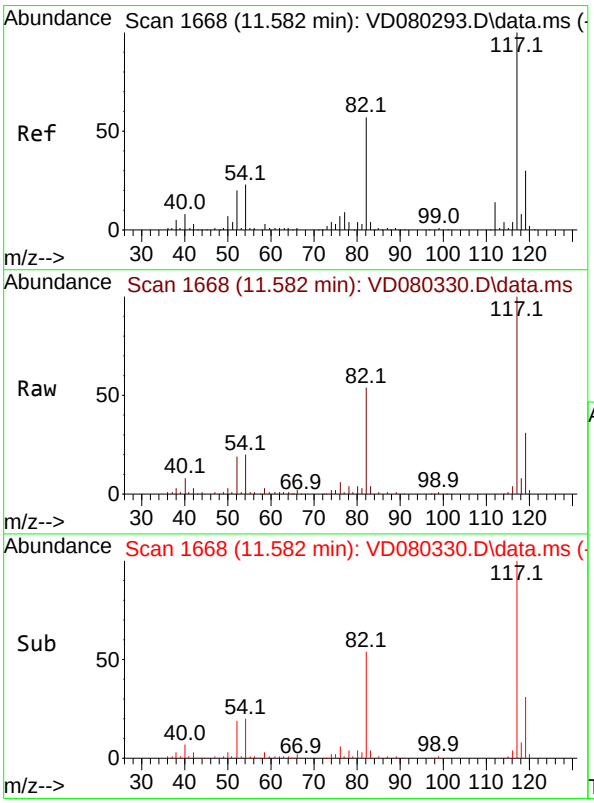
#62
4-Bromofluorobenzene
Concen: 44.938 ug/l
RT: 12.570 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Tgt Ion: 95 Resp: 66832

Ion	Ratio	Lower	Upper
95	100		
174	92.1	0.0	173.4
176	87.4	0.0	166.6

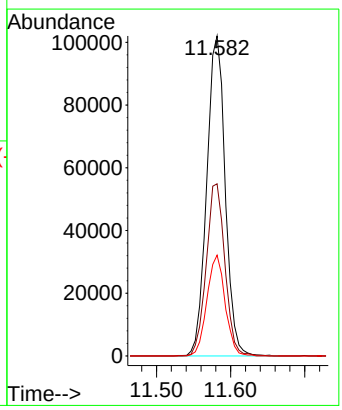


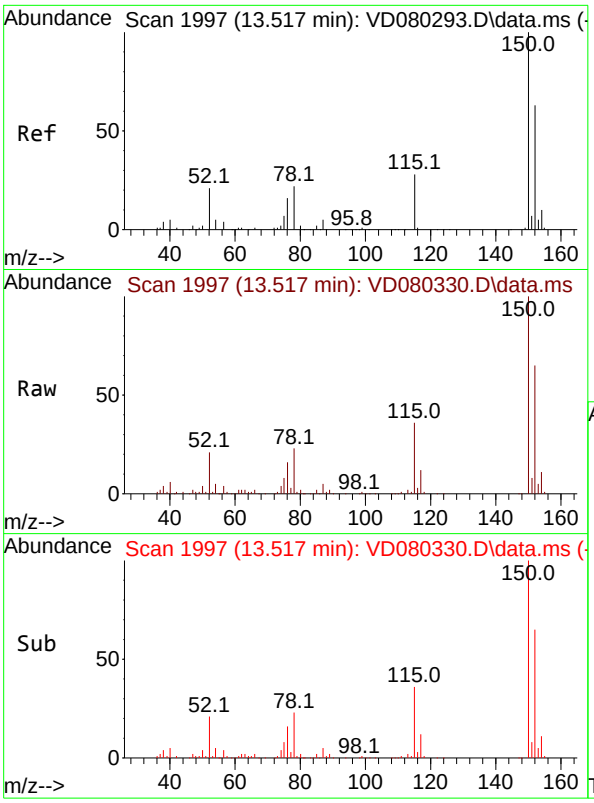


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1668
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Tgt Ion:117 Resp: 176652

Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.8	68.6
119	31.5	26.2	39.2



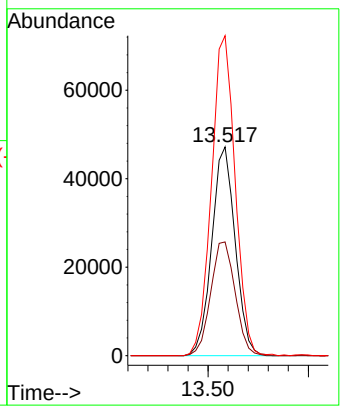


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080330.D
Acq: 14 May 2025 18:50

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Tgt Ion:152 Resp: 76572

Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.9	86.8
150	154.8	0.0	354.8



Sample Results: **VD080330.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

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\82D050625S.M
Title : SW846 8260

Signal : TIC: VD080330.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.800	505	515	524	rBV3	9939	32835	5.09%	1.039%
2	7.805	1015	1026	1032	rBV	100251	245402	38.00%	7.768%
3	7.876	1032	1038	1050	rVB2	88394	216394	33.51%	6.849%
4	8.235	1089	1099	1107	rBV	75116	177408	27.47%	5.615%
5	8.776	1182	1191	1204	rBV	209416	428820	66.41%	13.573%
6	10.270	1437	1445	1462	rBV	360934	645718	100.00%	20.438%
7	11.582	1660	1668	1677	rBV	311642	539172	83.50%	17.066%
8	12.570	1829	1836	1847	rBV	223878	382011	59.16%	12.091%
9	13.517	1990	1997	2003	rBV	279678	466759	72.29%	14.774%
10	14.046	2081	2087	2094	rVB2	14146	24820	3.84%	0.786%

Sum of corrected areas: 3159339

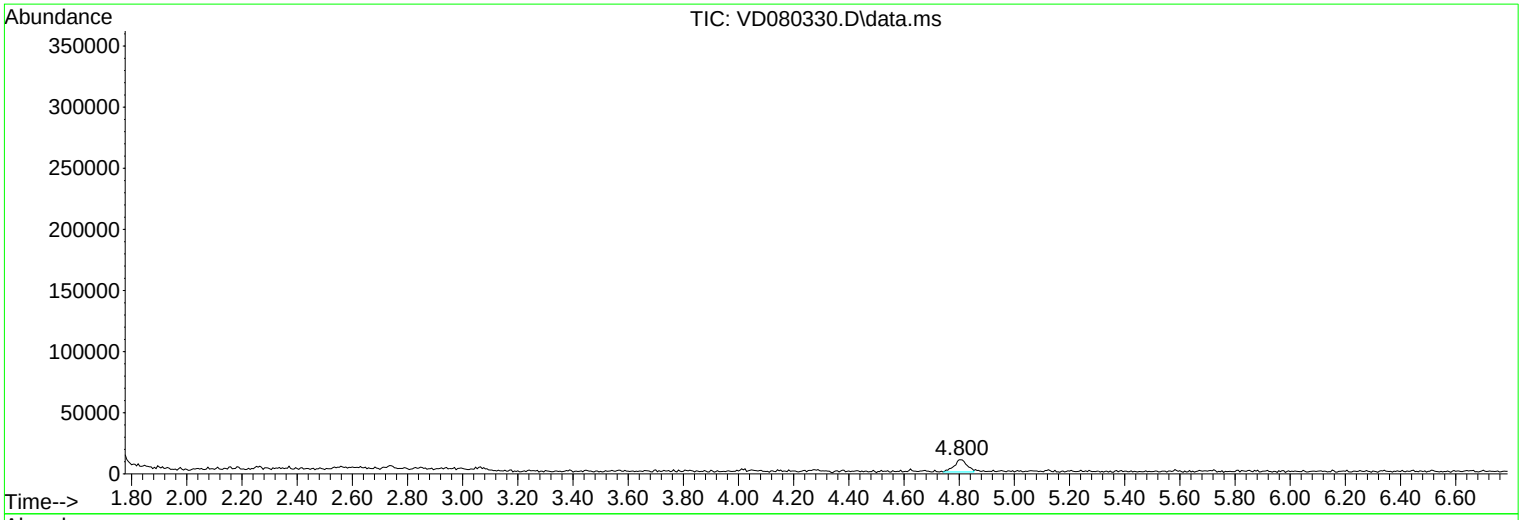
Sample Results: **VD080330.D**

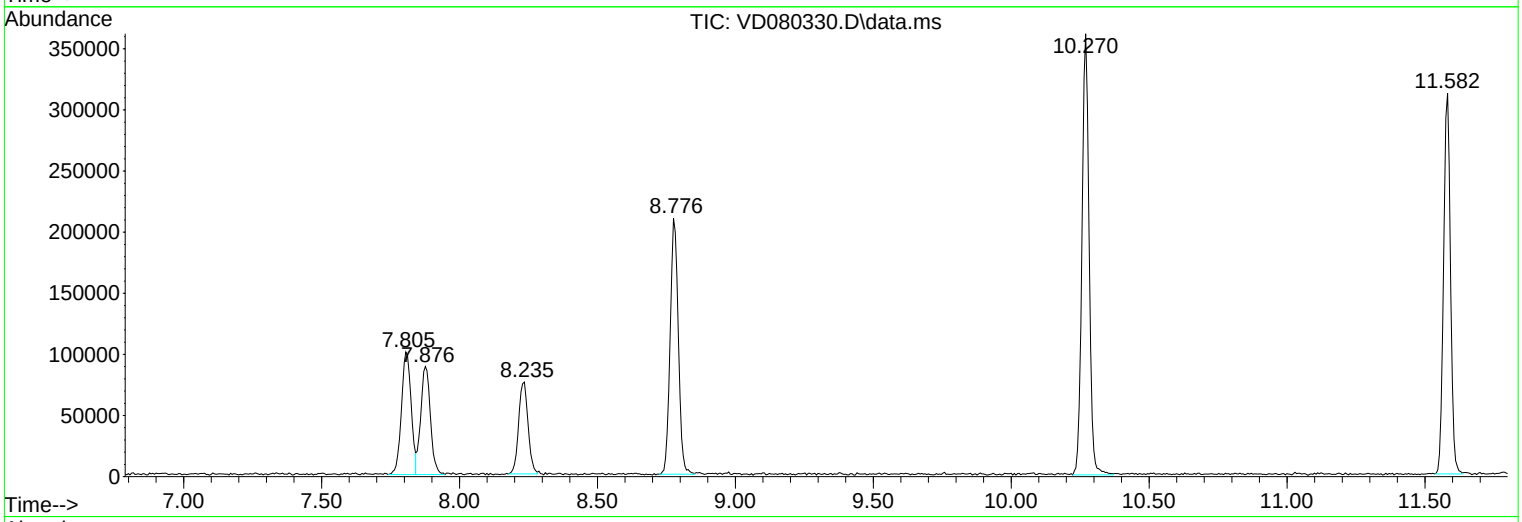
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

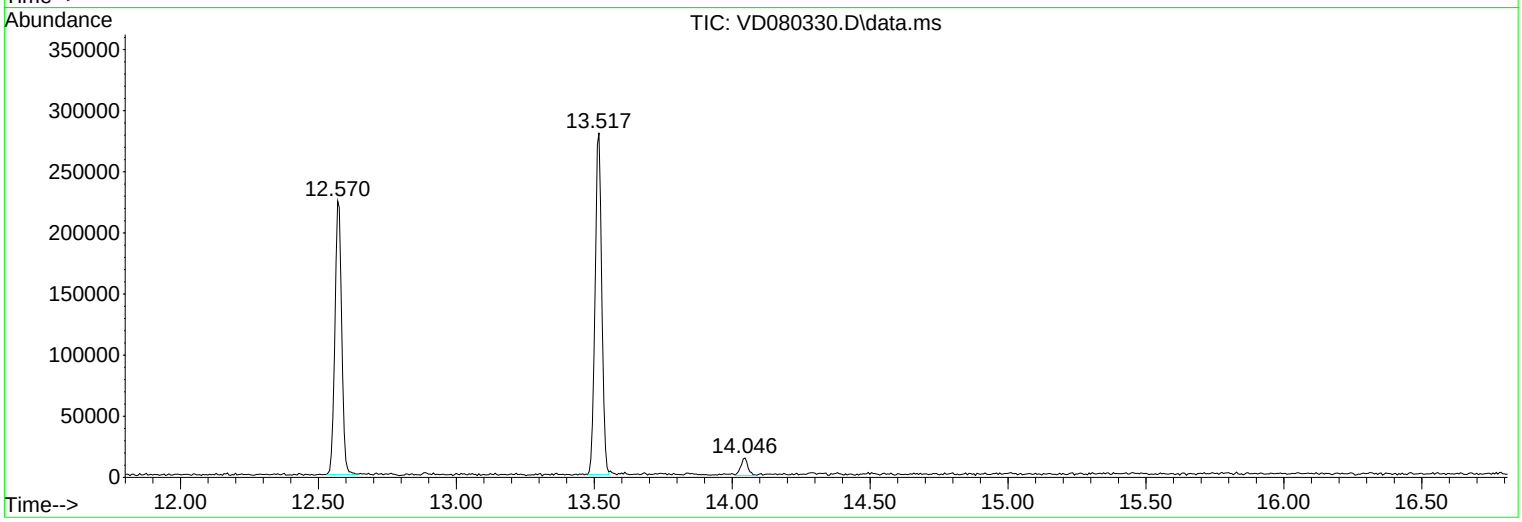
Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VD080330.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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\VD051425\
Data File : VD080330.D
Acq On : 14 May 2025 18:50
Operator : RP/MD
Sample : Q2010-01
Misc : 7.33G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Time: May 15 03:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	68027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	166929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	69324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	63775	72.496	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.000%			
35) Dibromofluoromethane	7.811	113	69814	59.415	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.840%			
50) Toluene-d8	10.270	98	232081	50.129	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.260%			
62) 4-Bromofluorobenzene	12.570	95	62980	42.382	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 84.760%			

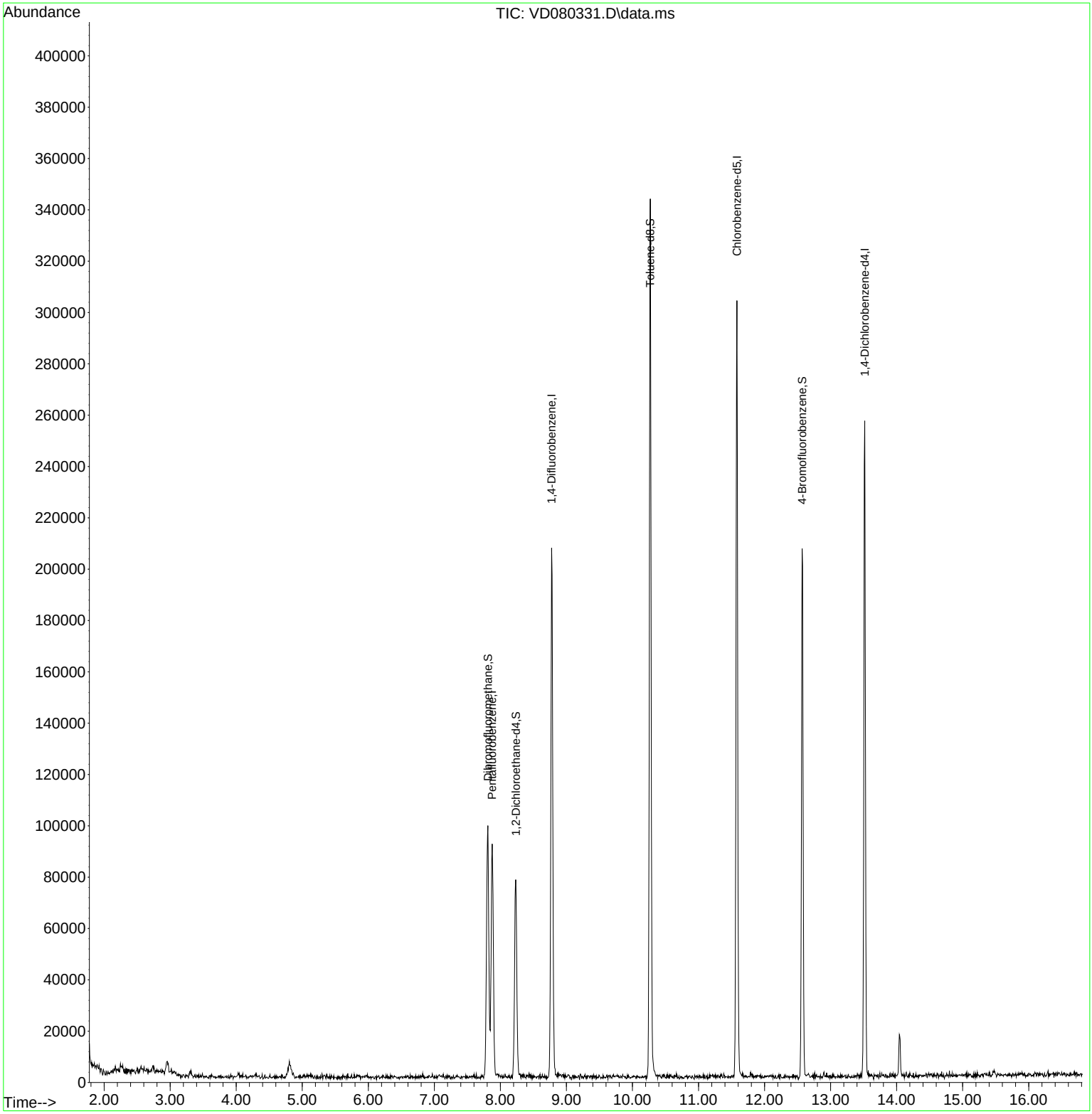
Target Compounds Qvalue

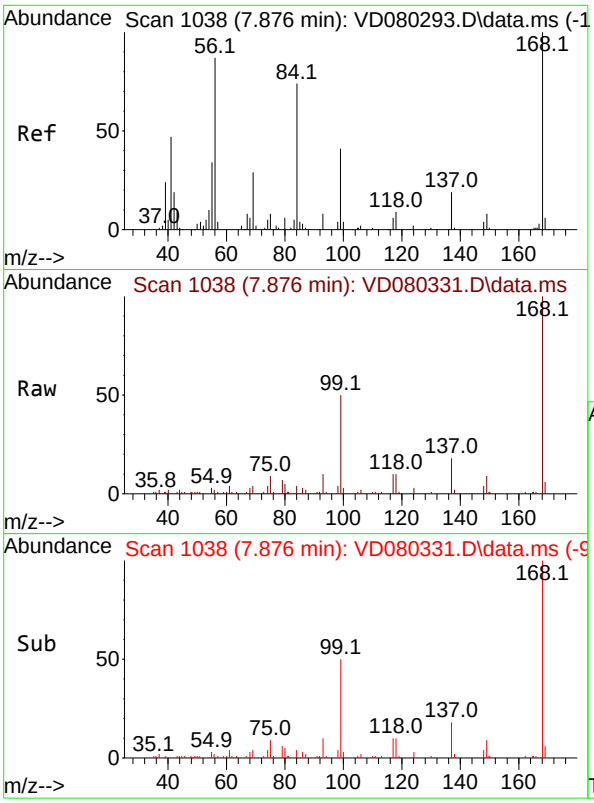
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Time: May 15 03:39:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration



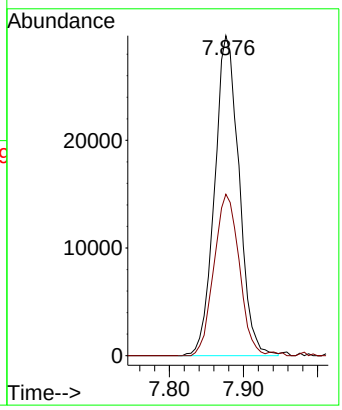


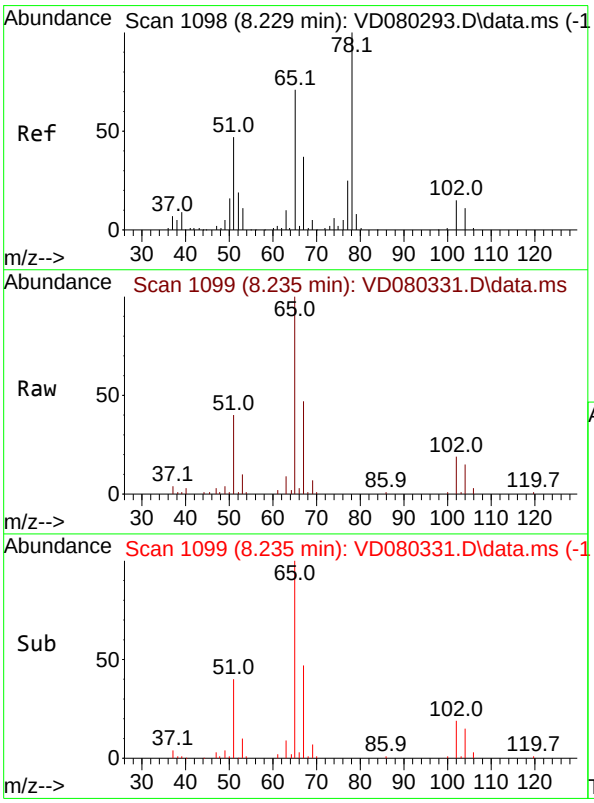
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Tgt Ion:168 Resp: 68027

Ion	Ratio	Lower	Upper
168	100		
99	50.5	46.0	69.0

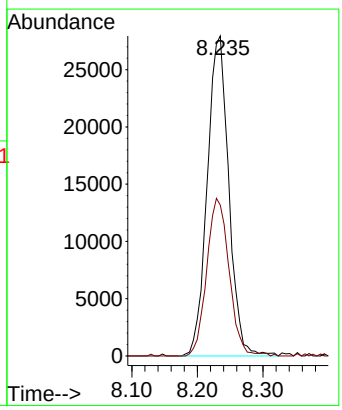


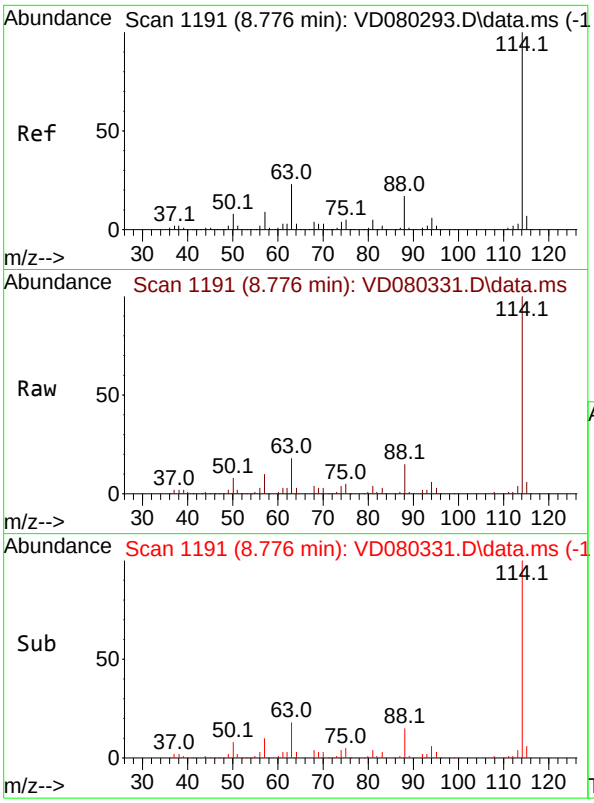


#33
1,2-Dichloroethane-d4
Concen: 72.496 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion: 65 Resp: 63775

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	109.2



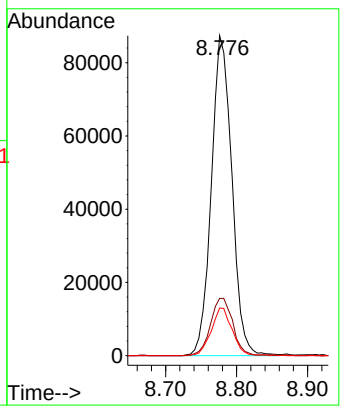


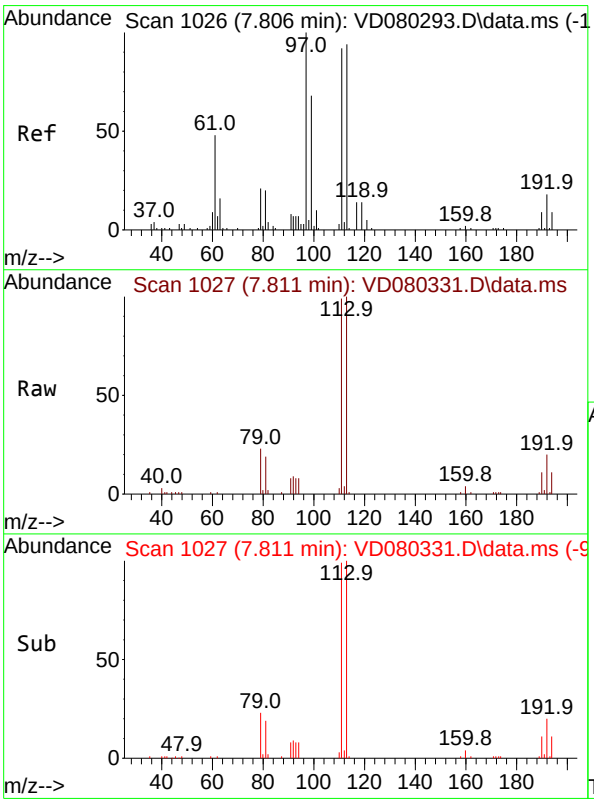
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Tgt Ion:114 Resp: 175314

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.8
88	14.9	0.0	30.6

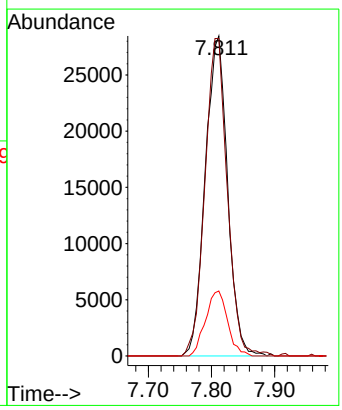


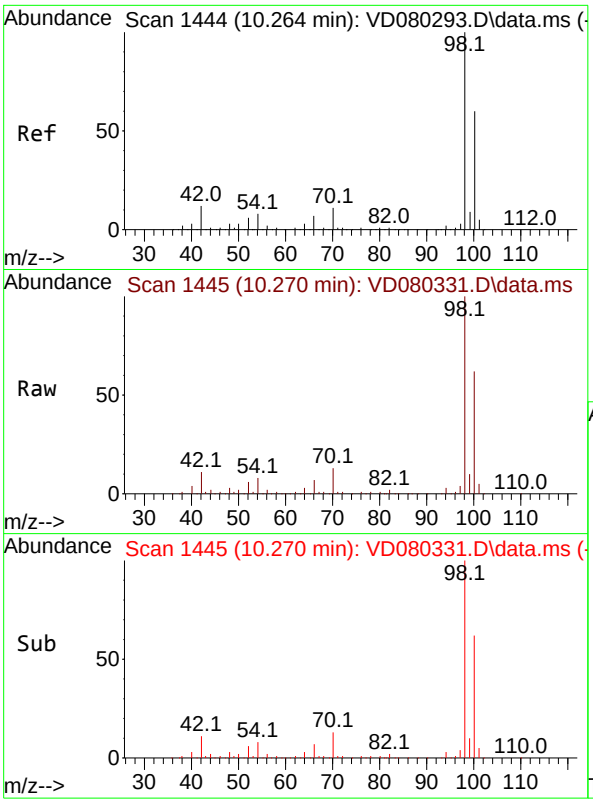


#35
Dibromofluoromethane
Concen: 59.415 ug/l
RT: 7.811 min Scan# 1027
Delta R.T. 0.006 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:113 Resp: 69814

Ion	Ratio	Lower	Upper
113	100		
111	99.3	82.5	123.7
192	20.1	16.6	25.0



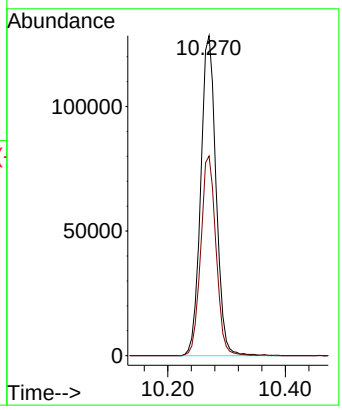


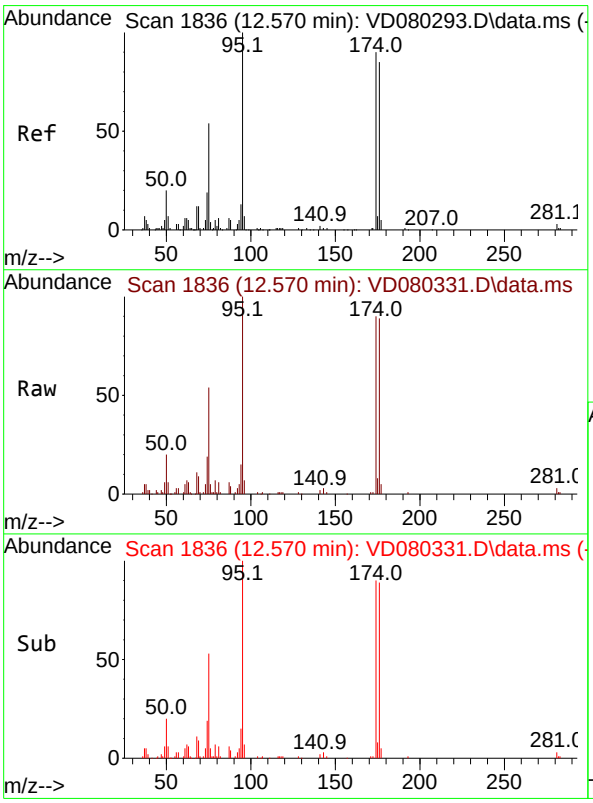
#50
Toluene-d8
Concen: 50.129 ug/l
RT: 10.270 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Tgt Ion: 98 Resp: 232081

Ion	Ratio	Lower	Upper
98	100		
100	62.2	50.2	75.4

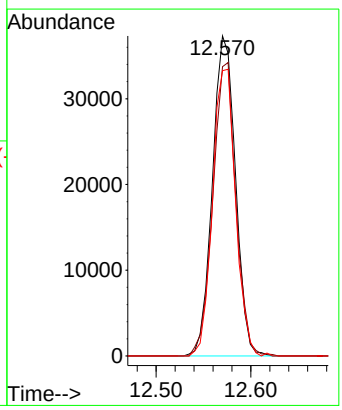


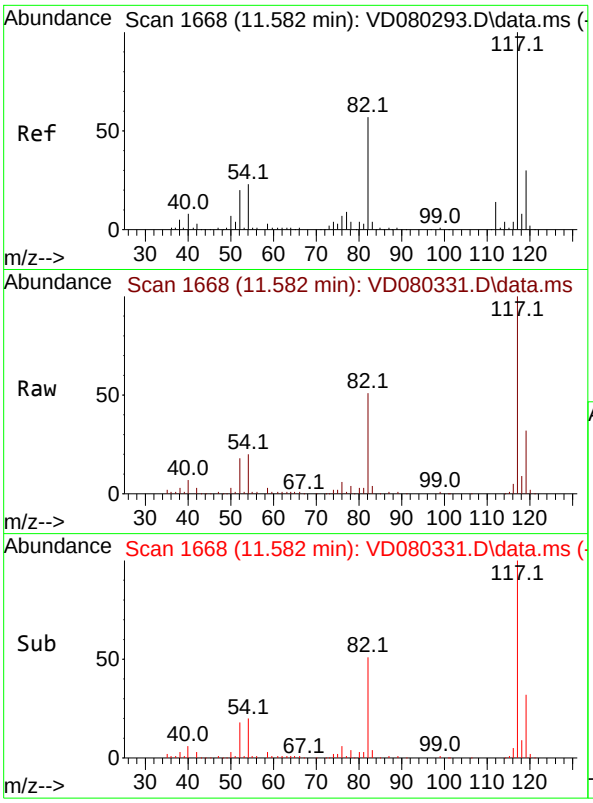


#62
4-Bromofluorobenzene
Concen: 42.382 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion: 95 Resp: 62980

Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	173.4
176	89.7	0.0	166.6



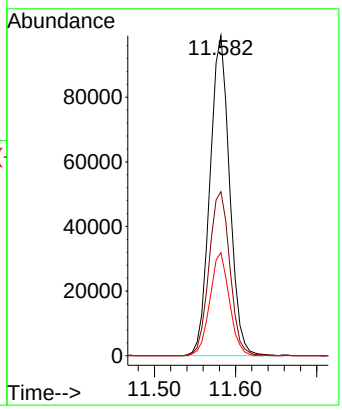


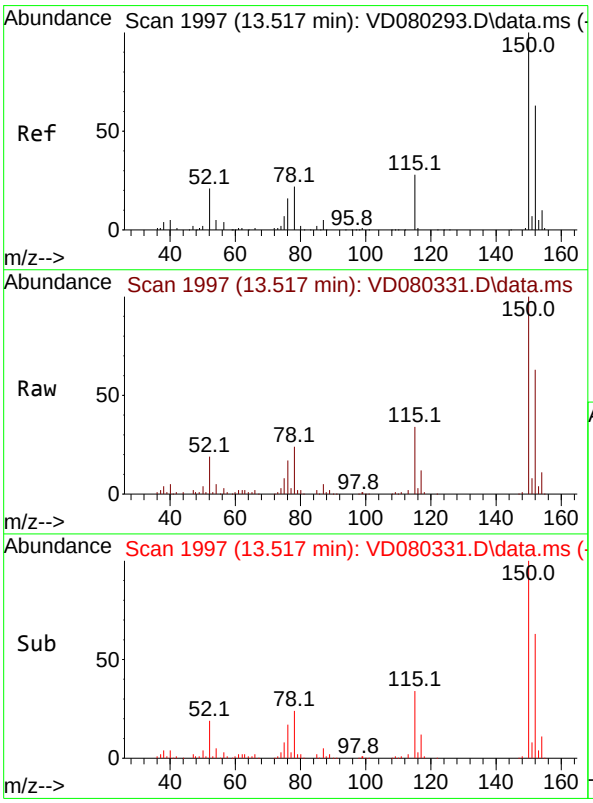
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Tgt Ion:117 Resp: 166929

Ion	Ratio	Lower	Upper
117	100		
82	51.2	45.8	68.6
119	32.2	26.2	39.2

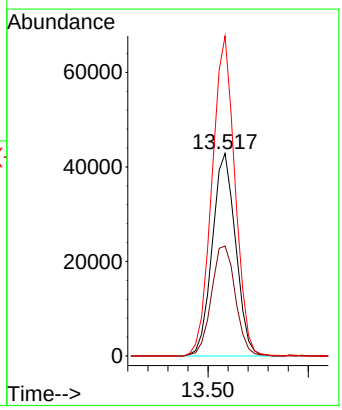




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080331.D
Acq: 14 May 2025 19:17

Tgt Ion:152 Resp: 69324

Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.9	86.8
150	155.5	0.0	354.8



Sample Results: **VD080331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

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\82D050625S.M
Title : SW846 8260

Signal : TIC: VD080331.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.959	194	202	206	rBV4	5037	13252	2.12%	0.436%
2	4.806	505	516	518	rBV3	6503	14470	2.32%	0.476%
3	7.811	1016	1027	1033	rBV2	98381	246933	39.59%	8.119%
4	7.876	1033	1038	1048	rVB	90296	203976	32.70%	6.706%
5	8.235	1090	1099	1108	rBV	77409	185580	29.75%	6.101%
6	8.776	1180	1191	1201	rBV	206599	421983	67.65%	13.874%
7	10.270	1436	1445	1460	rBV	342593	623783	100.00%	20.509%
8	11.582	1660	1668	1680	rBV	302646	520838	83.50%	17.124%
9	12.570	1826	1836	1843	rBV	206937	359022	57.56%	11.804%
10	13.517	1989	1997	2005	rBV	255869	424333	68.03%	13.951%
11	14.041	2080	2086	2092	rBV3	16101	27384	4.39%	0.900%

Sum of corrected areas: 3041554

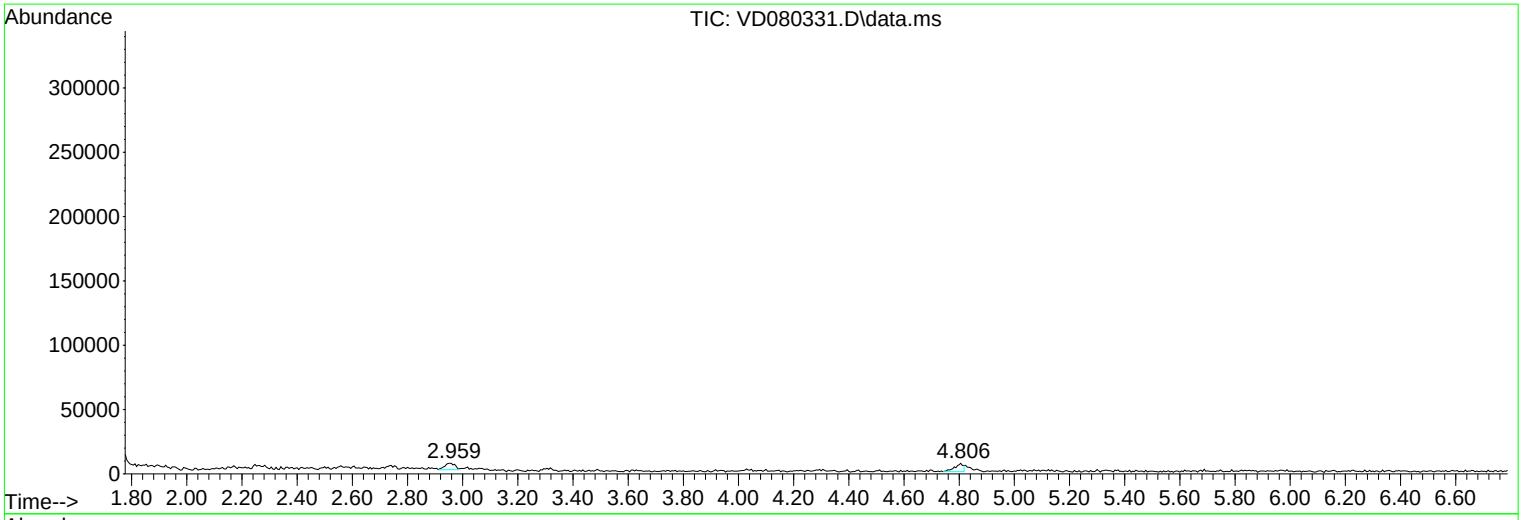
Sample Results: **VD080331.D**

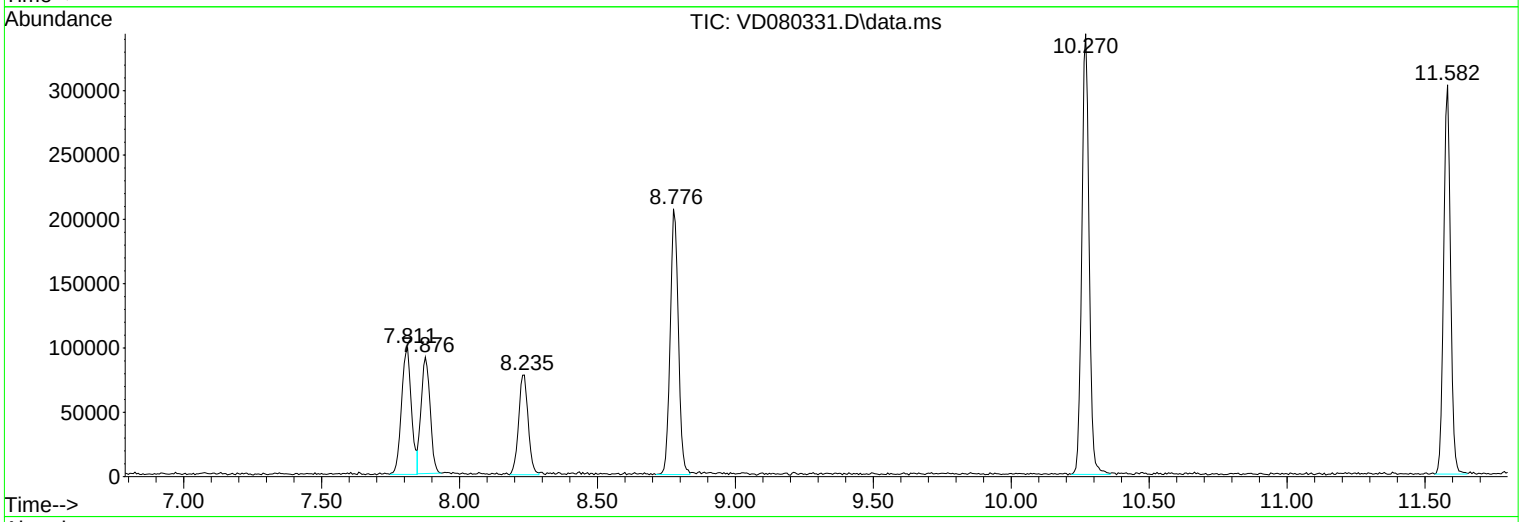
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

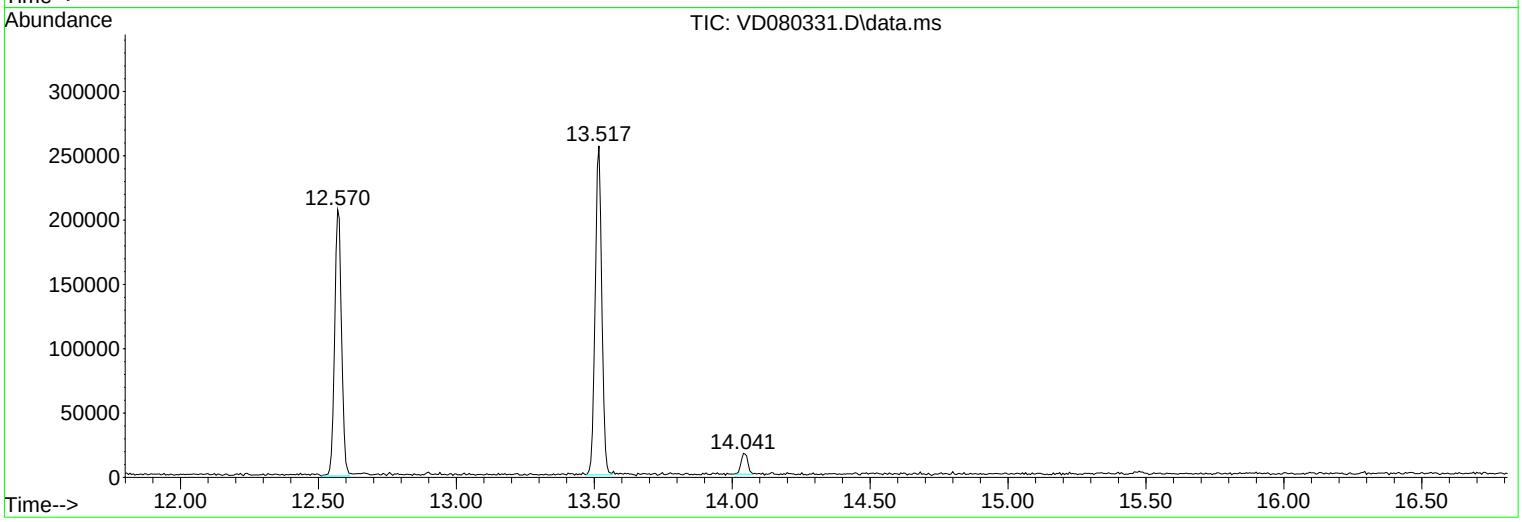
Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VD080331.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080331.D
Acq On : 14 May 2025 19:17
Operator : RP/MD
Sample : Q2010-02
Misc : 5.48G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-13

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Time: May 17 01:34:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

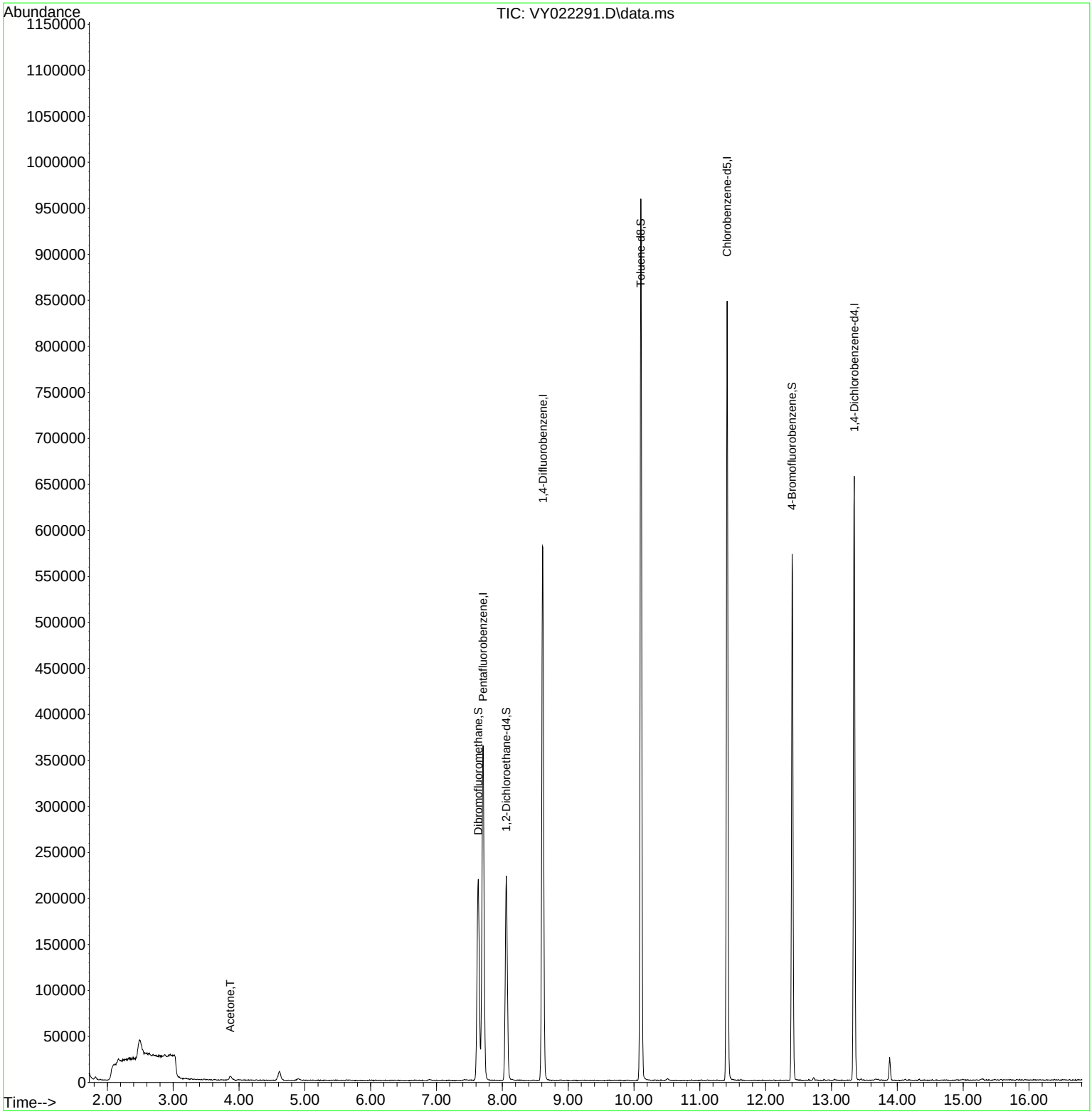
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	485395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	403756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	155516	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164222	55.980	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.960%			
35) Dibromofluoromethane	7.634	113	151447	52.275	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.540%			
50) Toluene-d8	10.103	98	586282	49.411	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.820%			
62) 4-Bromofluorobenzene	12.402	95	161355	42.903	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.800%			
Target Compounds						Qvalue
16) Acetone	3.867	43	6913	12.567	ug/l	95

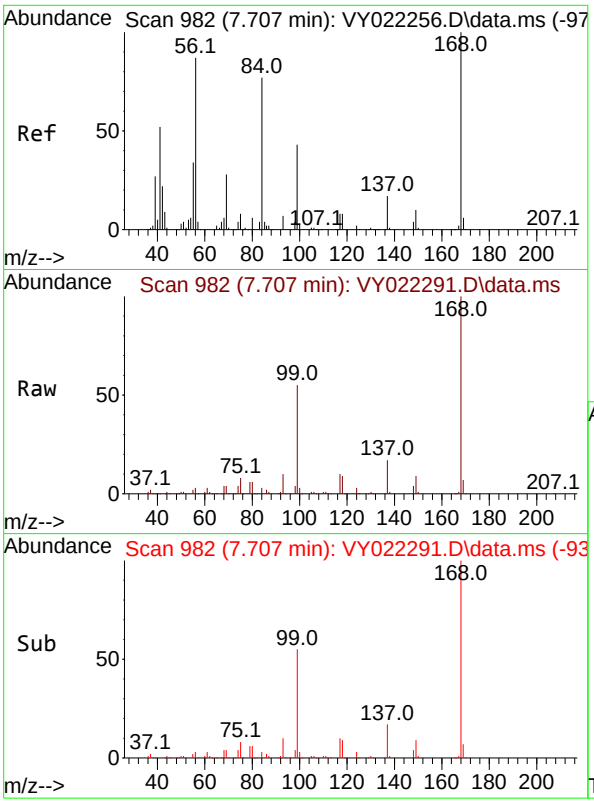
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Time: May 17 01:34:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



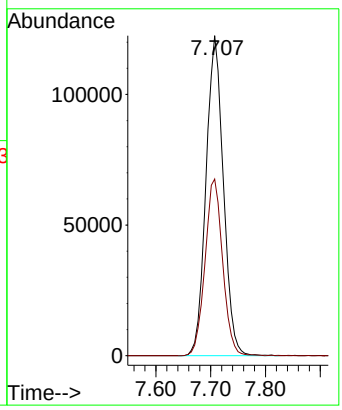


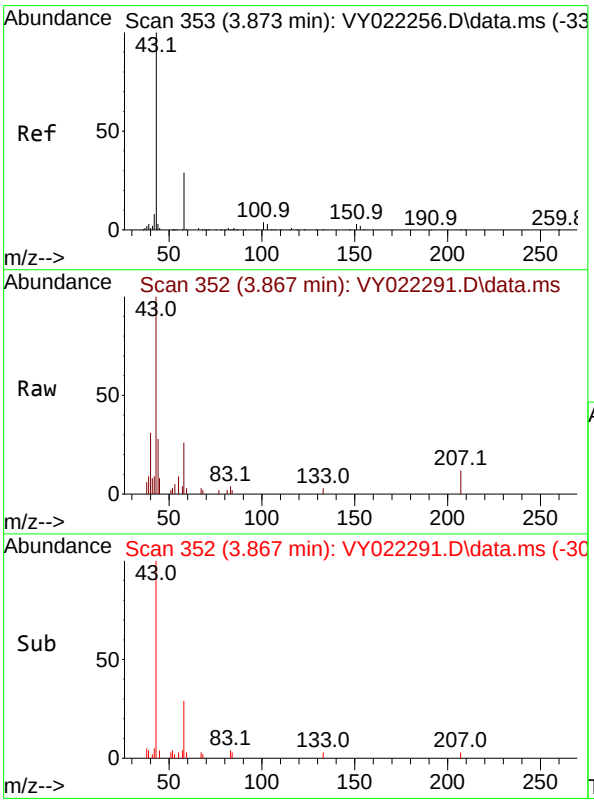
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion:168 Resp: 268422

Ion	Ratio	Lower	Upper
168	100		
99	55.2	44.2	66.4

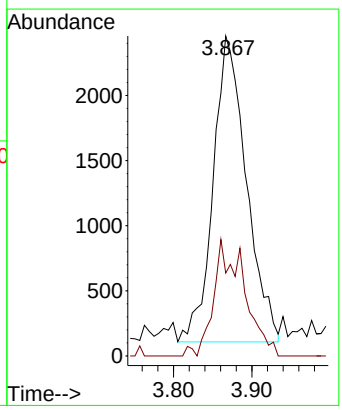


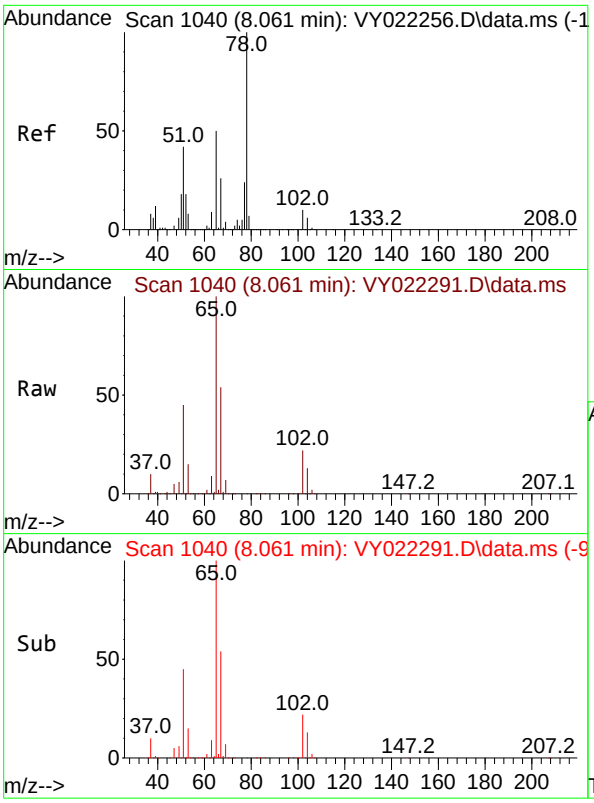


#16
Acetone
Concen: 12.567 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 43 Resp: 6913

Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.6	35.4



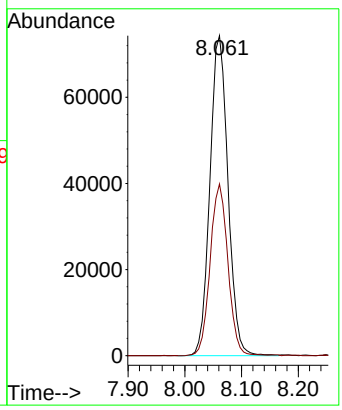


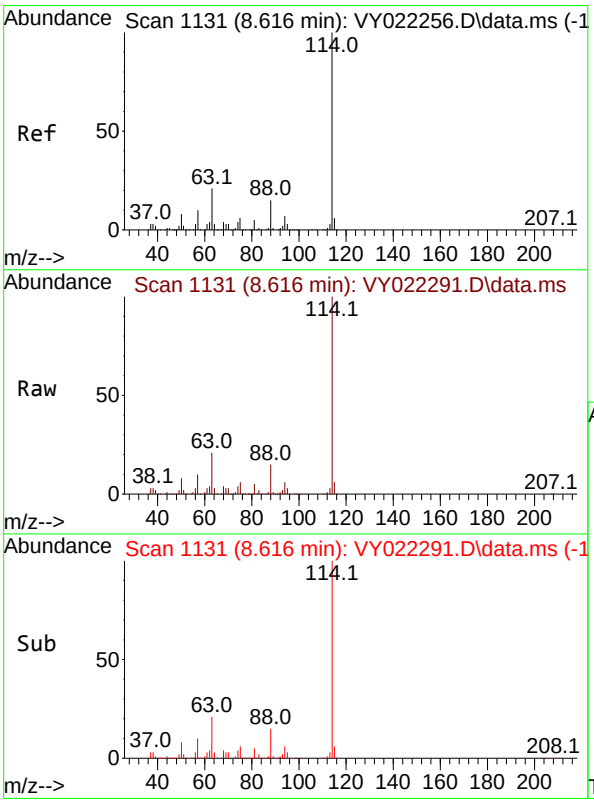
#33
1,2-Dichloroethane-d4
Concen: 55.980 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion: 65 Resp: 164222

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.6

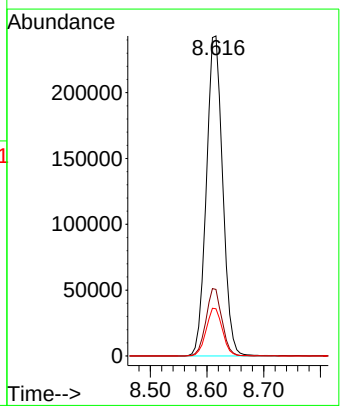


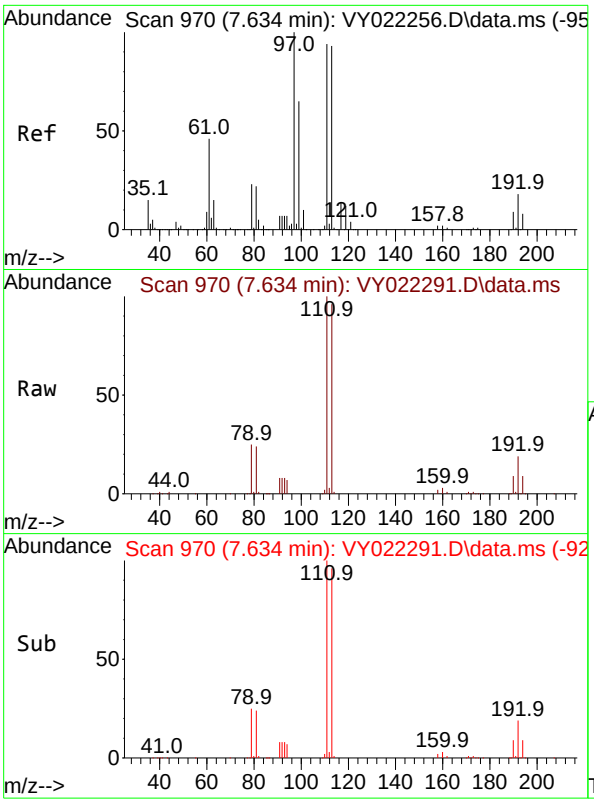


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion:114 Resp: 485395

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	14.7	0.0	29.4



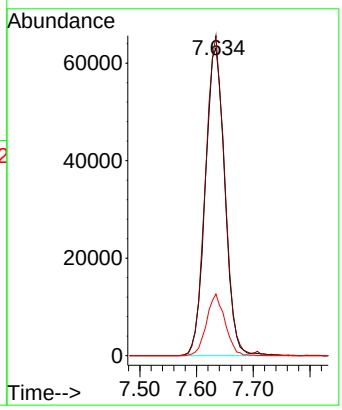


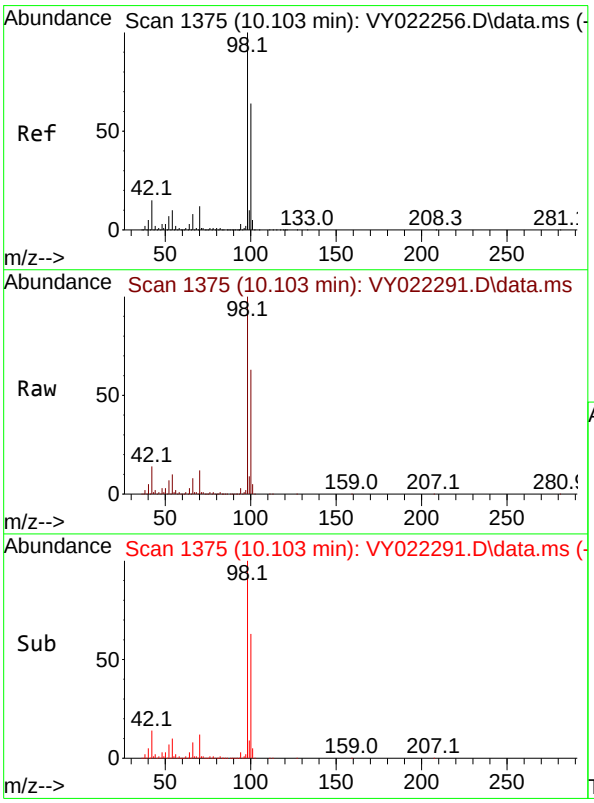
#35
Dibromofluoromethane
Concen: 52.275 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion:113 Resp: 151447

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	123.8
192	19.0	15.2	22.8

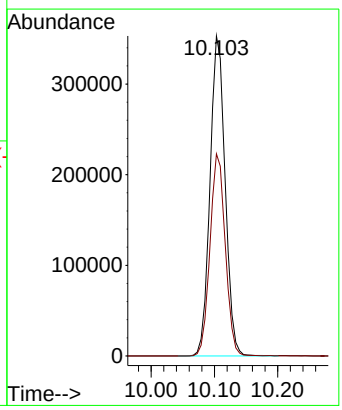


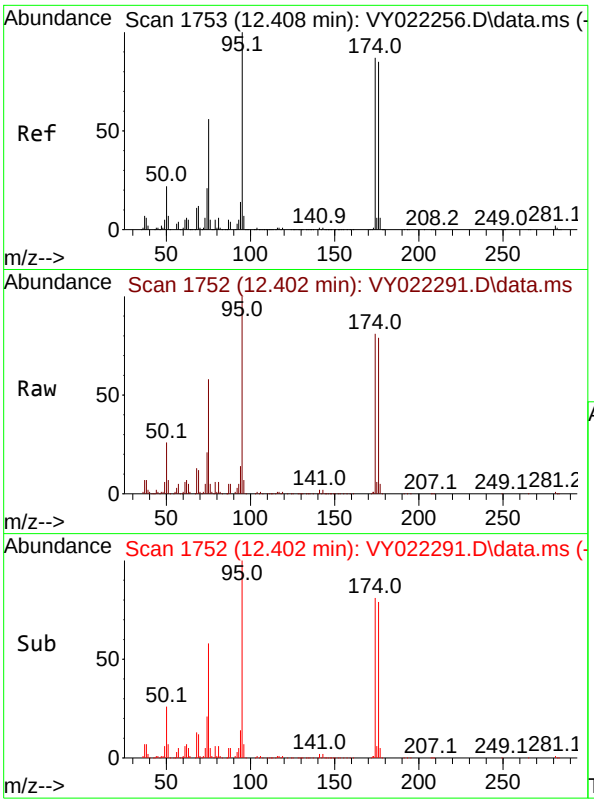


#50
Toluene-d8
Concen: 49.411 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion: 98 Resp: 586282

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.8



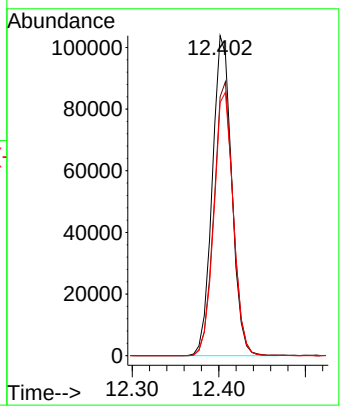


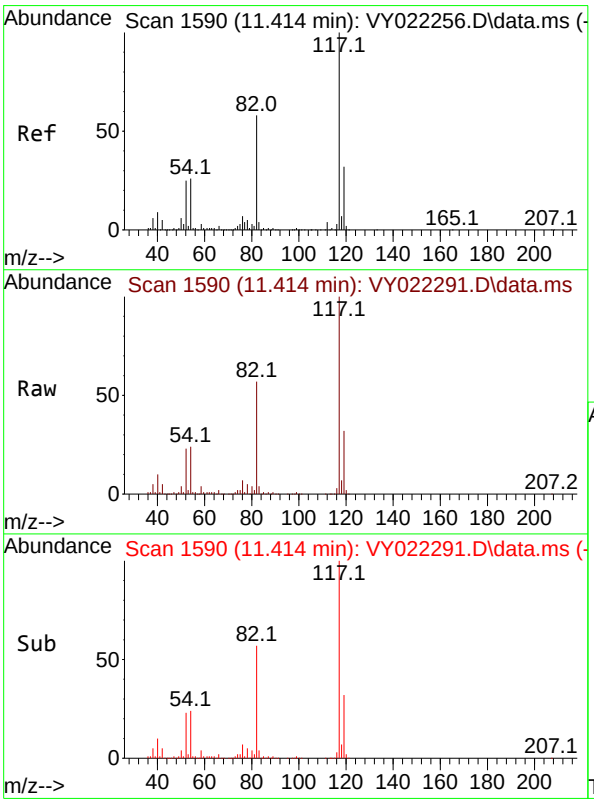
#62
4-Bromofluorobenzene
Concen: 42.903 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion: 95 Resp: 161355

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	166.8
176	82.4	0.0	160.8

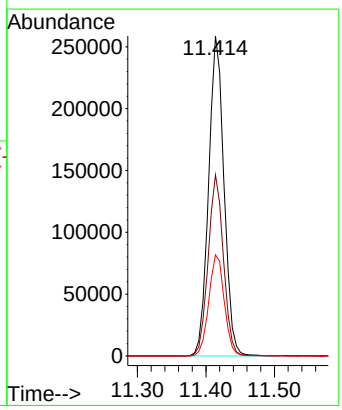


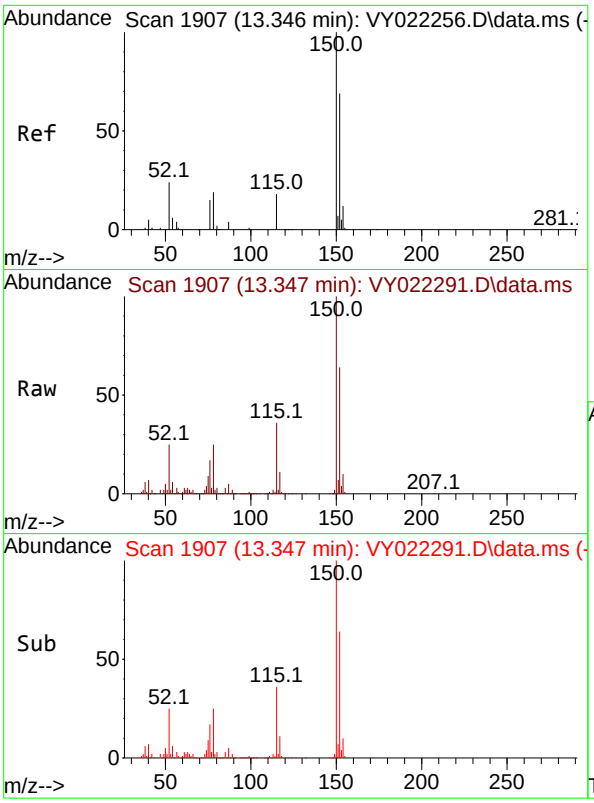


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Tgt Ion:117 Resp: 403756

Ion	Ratio	Lower	Upper
117	100		
82	56.6	46.6	70.0
119	31.6	25.8	38.6



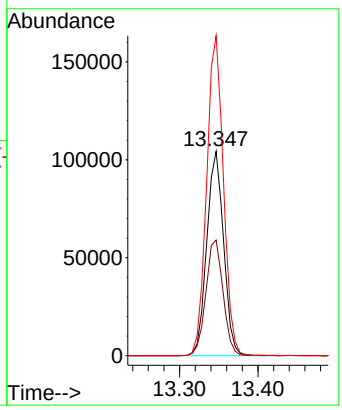


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY022291.D
Acq: 16 May 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Tgt Ion:152 Resp: 155516

Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.4	88.2
150	155.8	0.0	353.8



Sample Results: **VY022291.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

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\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022291.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.099	45	62	63	rBV7	17187	52675	3.28%	0.656%
2	2.489	119	126	137	rBV5	18276	71836	4.48%	0.895%
3	4.610	464	474	483	rBV3	10008	30658	1.91%	0.382%
4	7.634	958	970	976	rBV	219086	527833	32.89%	6.573%
5	7.707	976	982	998	rVB	363802	802754	50.02%	9.997%
6	8.061	1029	1040	1051	rBV	222687	494779	30.83%	6.162%
7	8.610	1122	1130	1144	rBV	580597	1156212	72.04%	14.399%
8	10.103	1366	1375	1390	rBV	958282	1604906	100.00%	19.986%
9	11.414	1583	1590	1602	rBV	847129	1331652	82.97%	16.583%
10	12.402	1746	1752	1761	rBV	571941	906723	56.50%	11.292%
11	13.347	1898	1907	1915	rBV	656389	1011674	63.04%	12.599%
12	13.883	1989	1995	2002	rVB2	25051	38280	2.39%	0.477%

Sum of corrected areas: 8029982

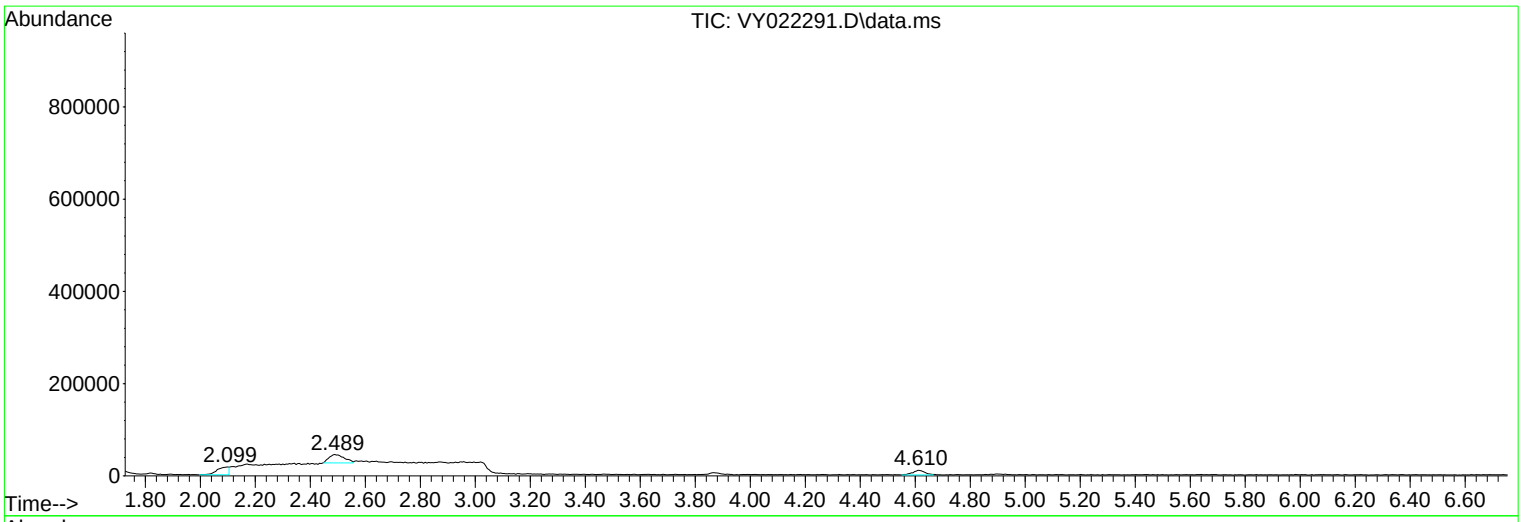
Sample Results: **VY022291.D**

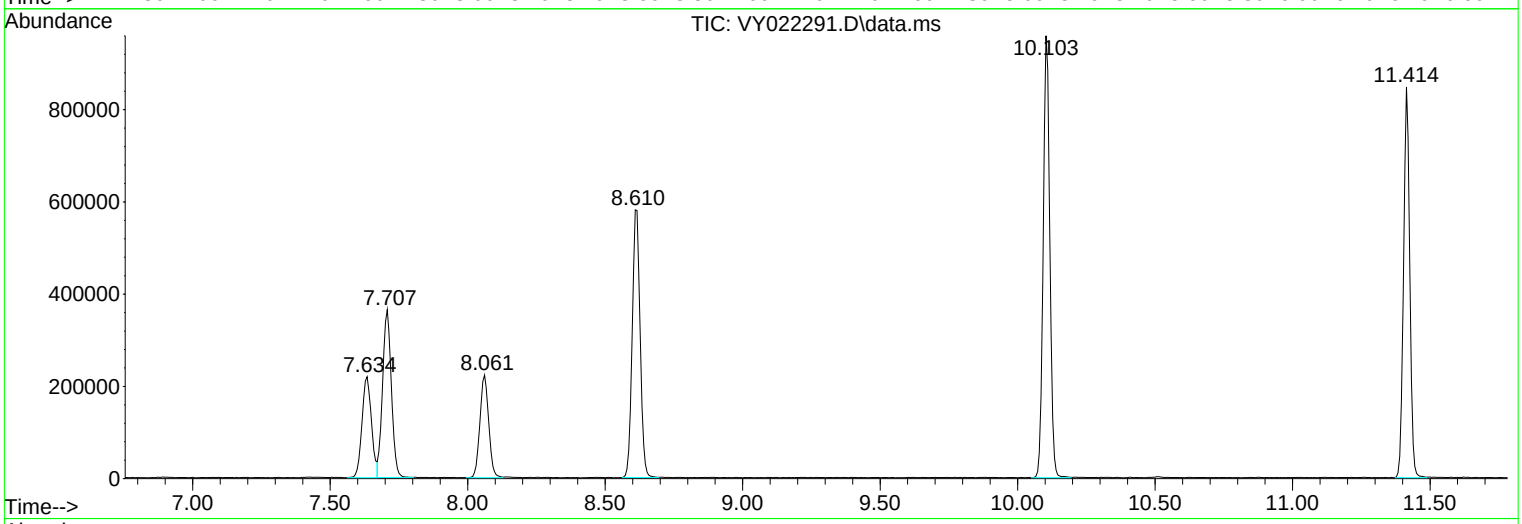
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

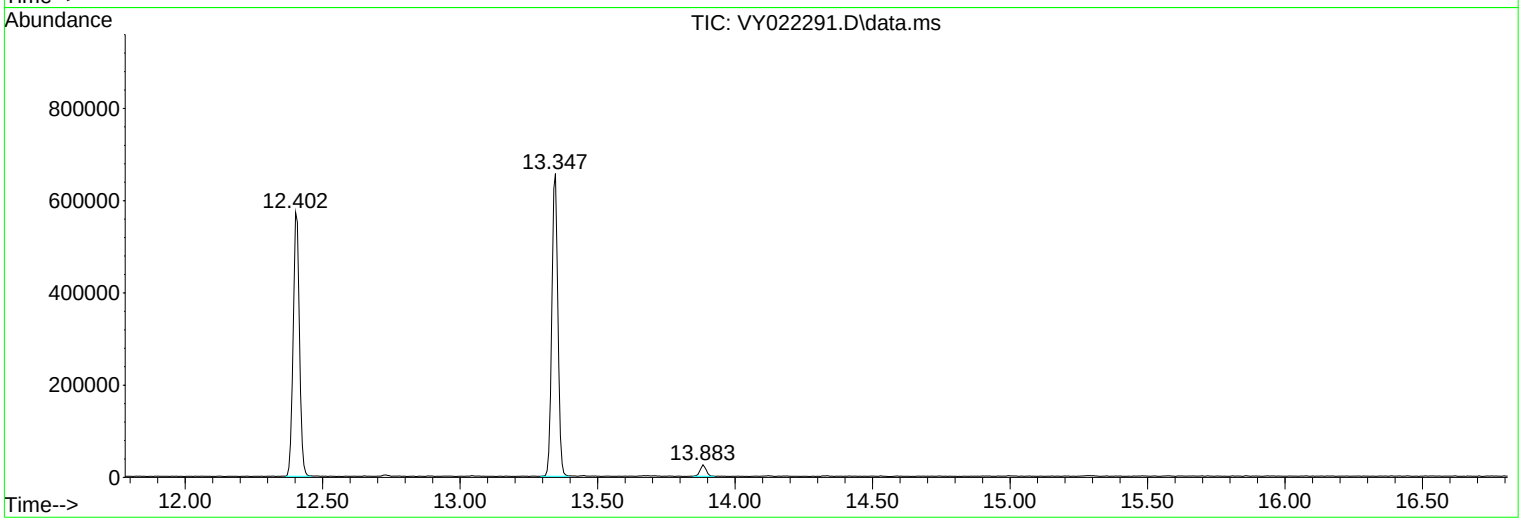
Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY022291.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051625\
Data File : VY022291.D
Acq On : 16 May 2025 15:15
Operator : SY/MD
Sample : Q2010-03
Misc : 7.18g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-14

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Quant Time: May 17 01:34:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

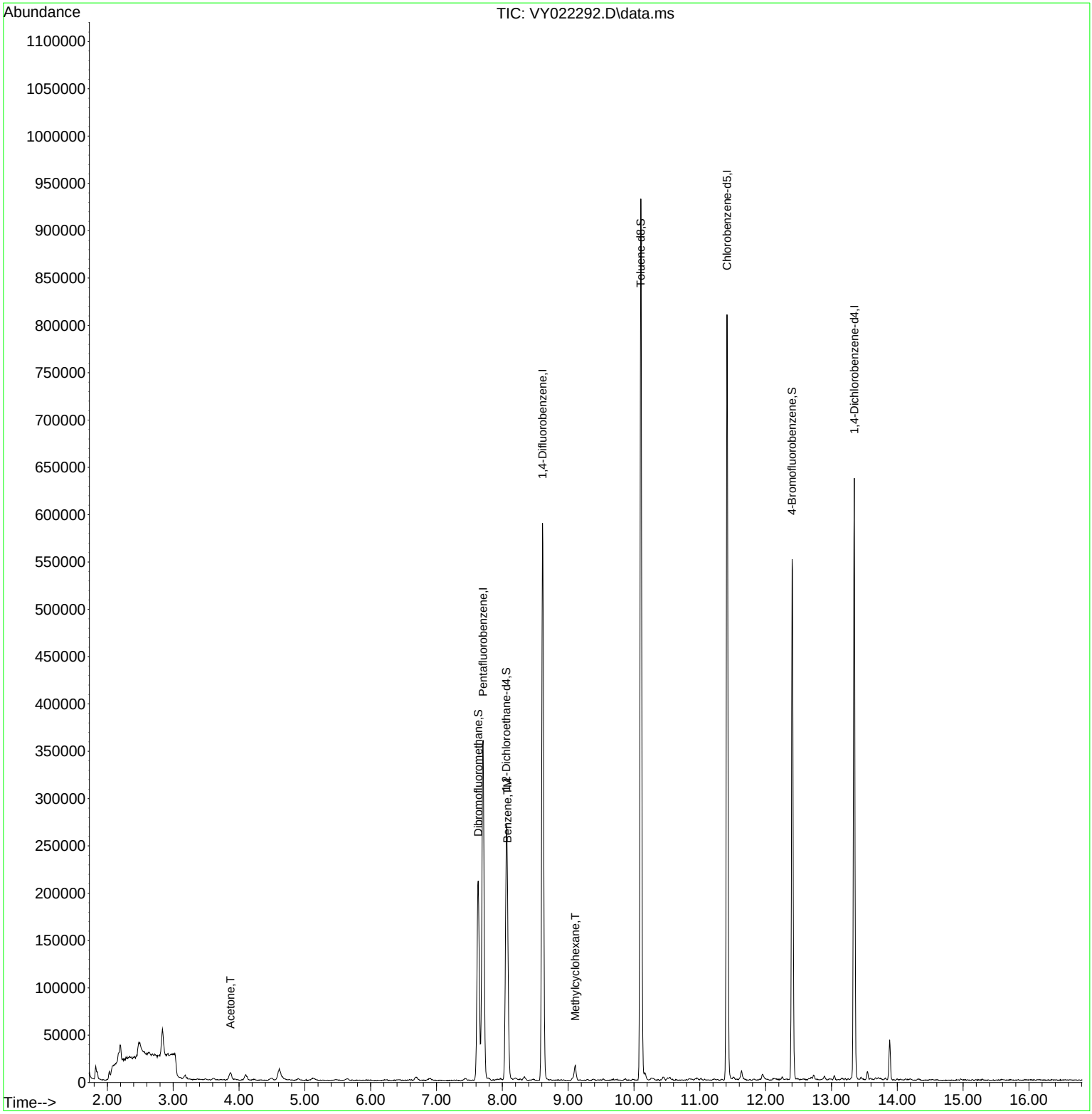
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	268322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	484104	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	388336	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150003	51.152	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.300%			
35) Dibromofluoromethane	7.634	113	147207	50.947	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.900%			
50) Toluene-d8	10.103	98	579549	48.974	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.940%			
62) 4-Bromofluorobenzene	12.401	95	152887	40.760	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.520%			
Target Compounds						Qvalue
16) Acetone	3.873	43	14163	25.757	ug/l	96
39) Methylcyclohexane	9.109	83	6416	1.003	ug/l	98
40) Benzene	8.079	78	117629	8.337	ug/l	95

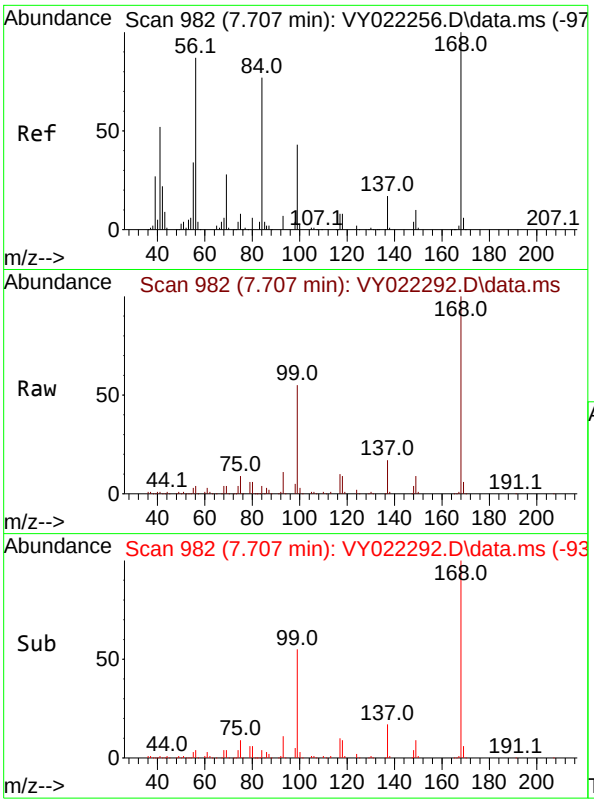
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Quant Time: May 17 01:34:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



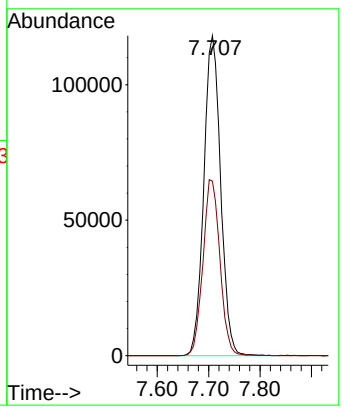


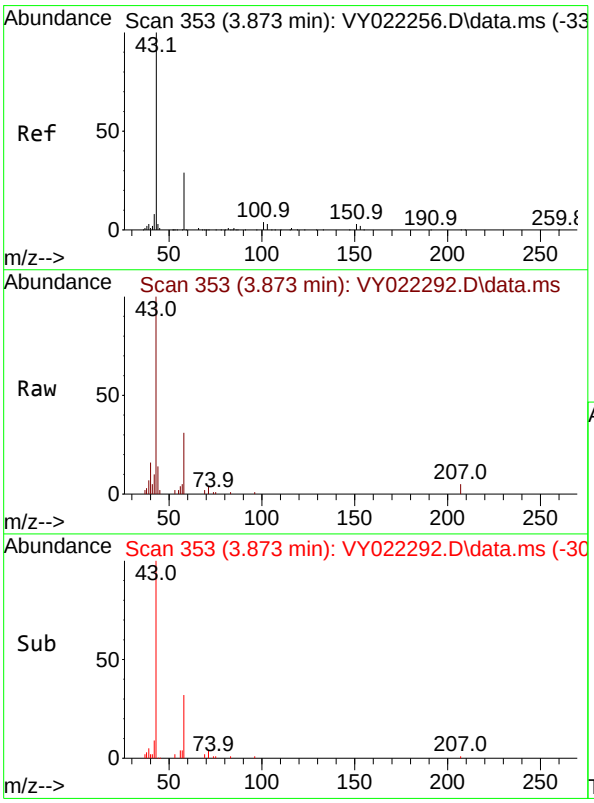
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion:168 Resp: 268322

Ion	Ratio	Lower	Upper
168	100		
99	54.6	44.2	66.4

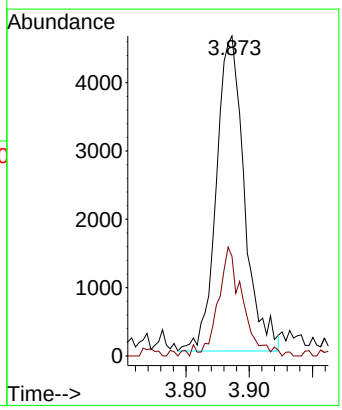


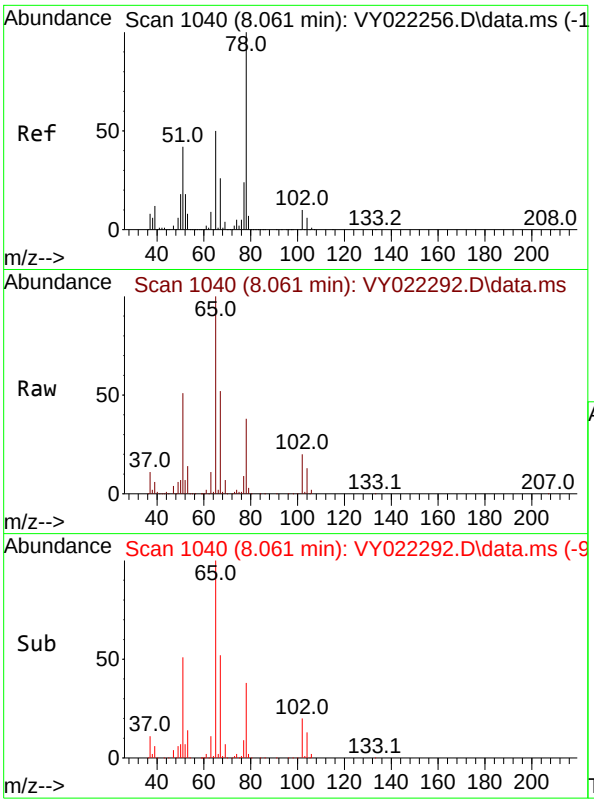


#16
Acetone
Concen: 25.757 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 43 Resp: 14163

Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.6	35.4



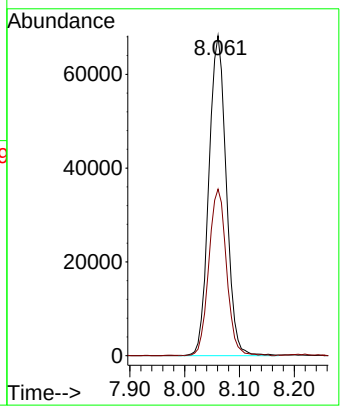


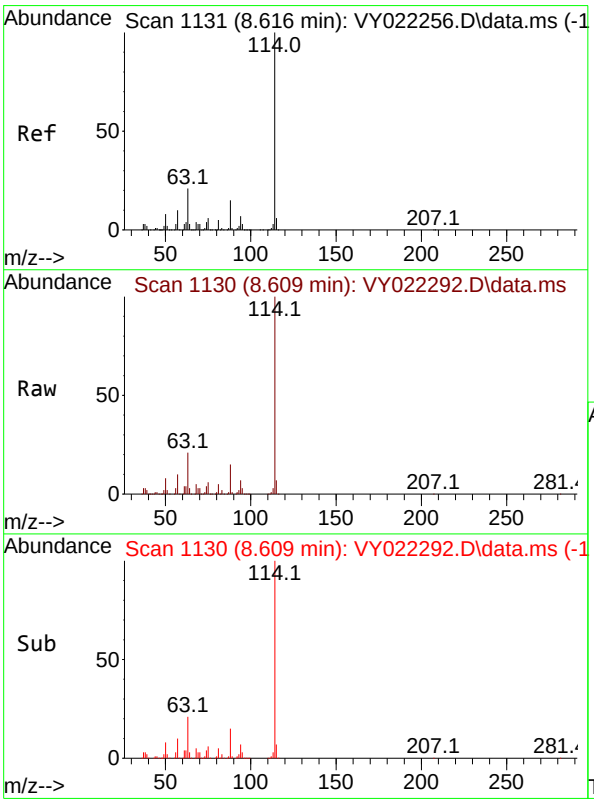
#33
1,2-Dichloroethane-d4
Concen: 51.152 ug/l
RT: 8.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion: 65 Resp: 150003

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	104.6

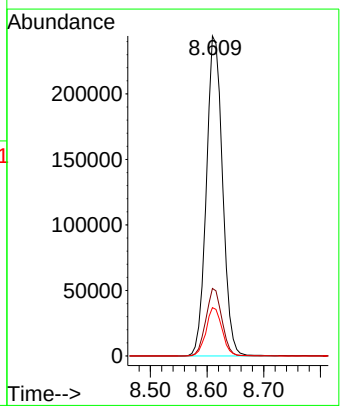


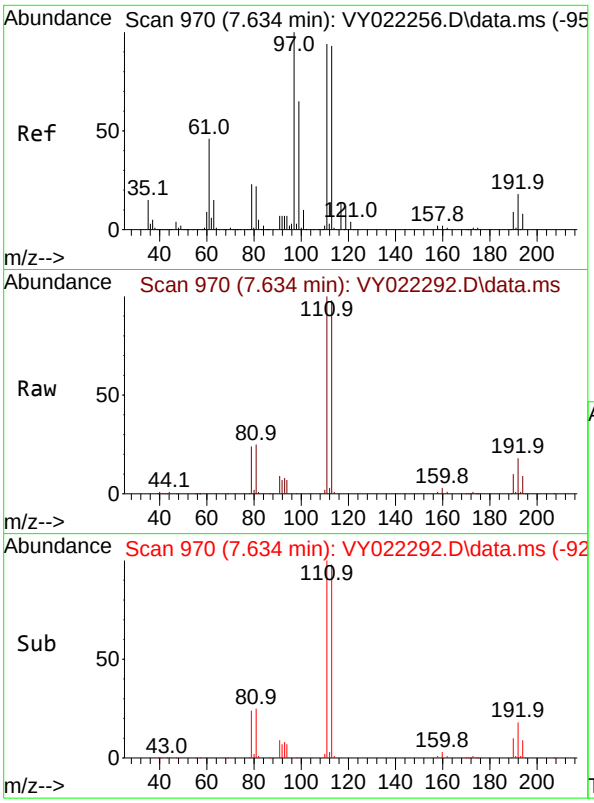


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion:114 Resp: 484104

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	41.0
88	15.1	0.0	29.4



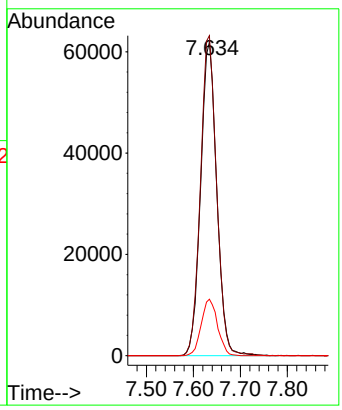


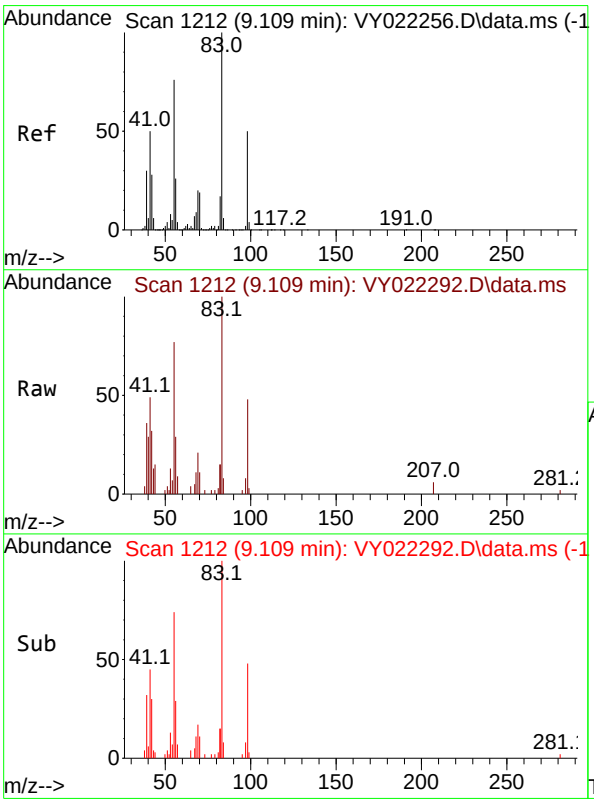
#35
Dibromofluoromethane
Concen: 50.947 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion:113 Resp: 147207

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	123.8
192	18.2	15.2	22.8

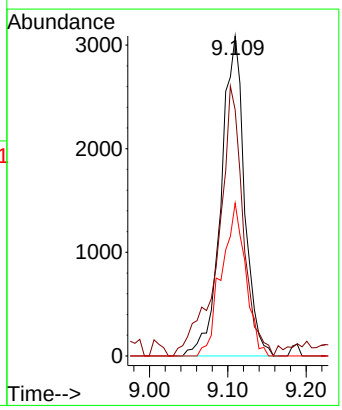


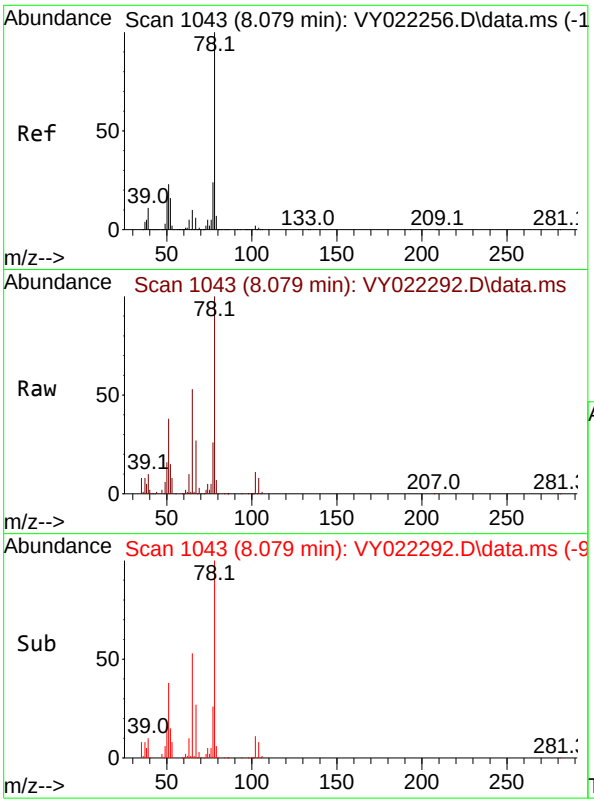


#39
Methylcyclohexane
Concen: 1.003 ug/l
RT: 9.109 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 83 Resp: 6416

Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.6	90.8
98	47.7	40.0	60.0



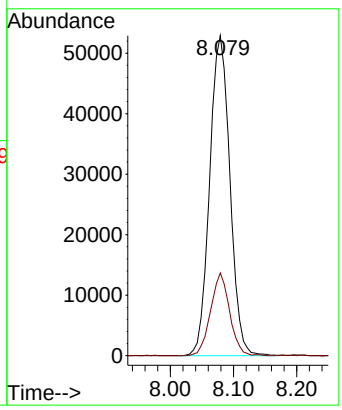


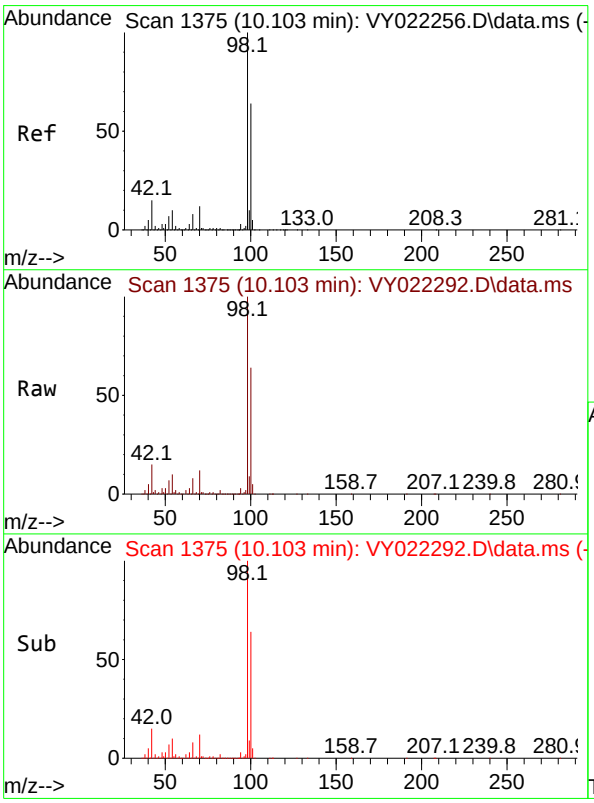
#40
Benzene
Concen: 8.337 ug/l
RT: 8.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion: 78 Resp: 117629

Ion	Ratio	Lower	Upper
78	100		
77	25.9	18.9	28.3

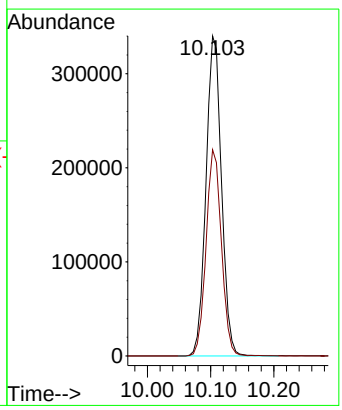


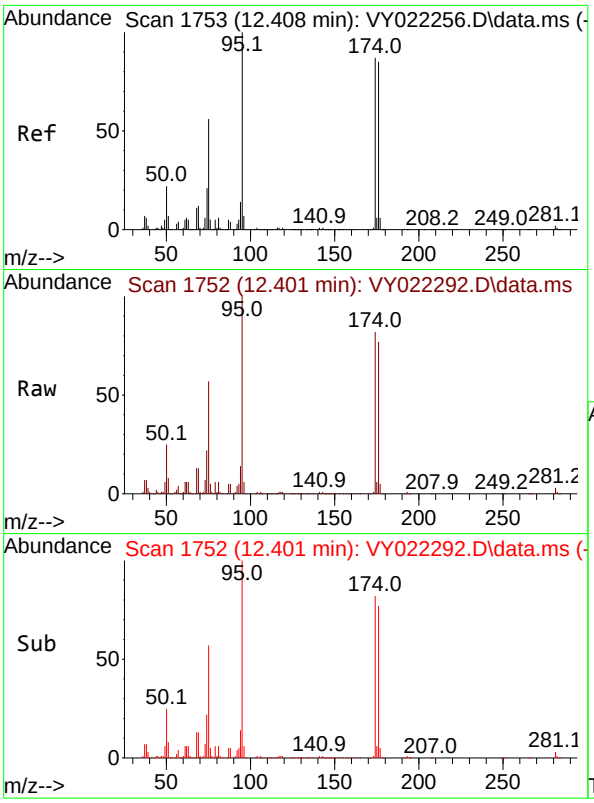


#50
Toluene-d8
Concen: 48.974 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion: 98 Resp: 579549

Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.8	77.8



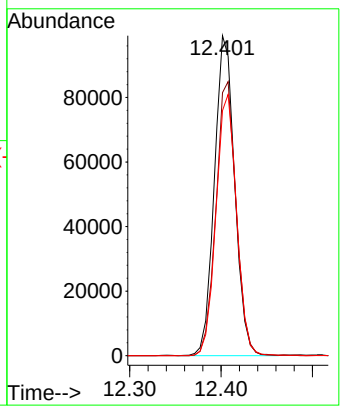


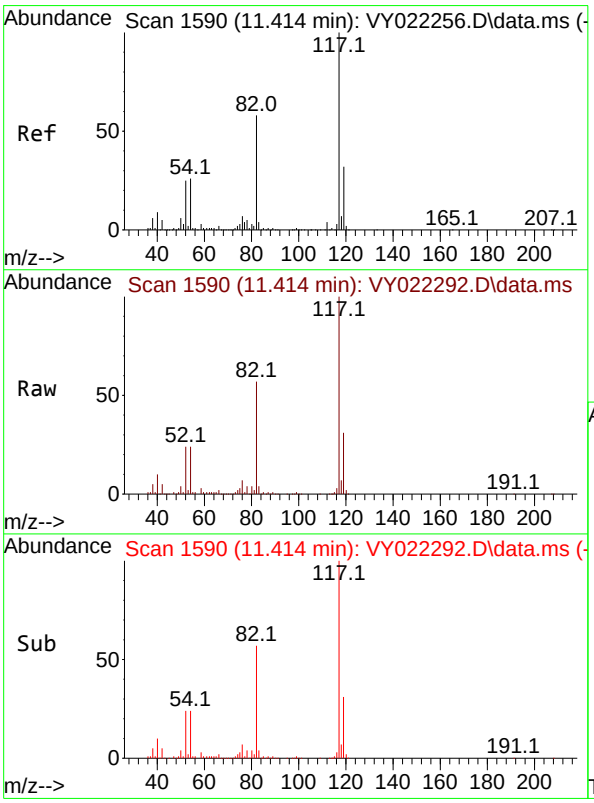
#62
4-Bromofluorobenzene
Concen: 40.760 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion: 95 Resp: 152887

Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	166.8
176	82.9	0.0	160.8

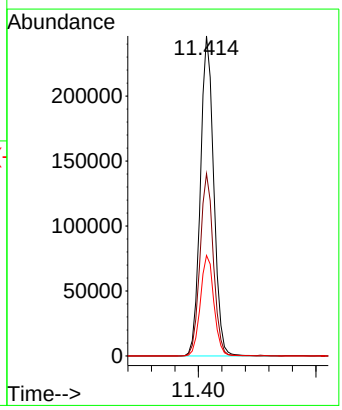


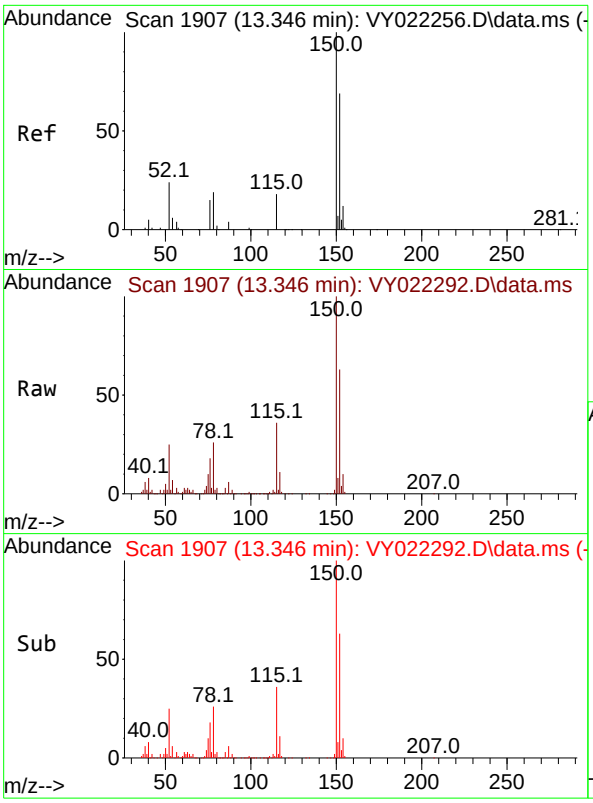


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Tgt Ion:117 Resp: 388336

Ion	Ratio	Lower	Upper
117	100		
82	56.9	46.6	70.0
119	31.4	25.8	38.6



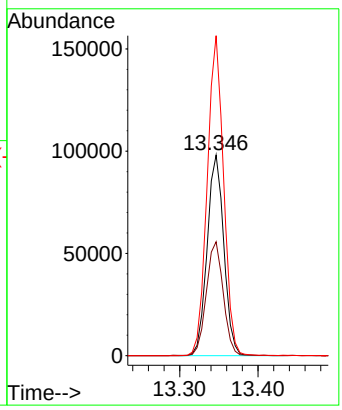


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY022292.D
Acq: 16 May 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Tgt Ion:152 Resp: 145207

Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.4	88.2
150	156.6	0.0	353.8



Sample Results: **VY022292.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

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\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022292.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	20	rBV	13469	20623	1.30%	0.250%
2	2.086	54	60	61	rBV5	9831	19053	1.20%	0.231%
3	2.196	70	78	83	rBV3	18072	43474	2.73%	0.526%
4	2.476	120	124	125	rBV3	13652	18639	1.17%	0.226%
5	2.836	178	183	192	rVB	28316	59907	3.77%	0.725%
6	3.866	344	352	360	rBV	7709	21656	1.36%	0.262%
7	4.610	465	474	481	rBV2	11778	35196	2.21%	0.426%
8	7.634	959	970	975	rBV	210820	499371	31.40%	6.045%
9	7.707	975	982	992	rVB	357595	828044	52.07%	10.024%
10	8.067	1031	1041	1056	rBV3	269794	702997	44.21%	8.510%
11	8.609	1122	1130	1145	rBV	589101	1159546	72.92%	14.037%
12	9.109	1199	1212	1219	rBV3	16096	39401	2.48%	0.477%
13	10.103	1368	1375	1384	rBV	931304	1590214	100.00%	19.251%
14	11.414	1581	1590	1601	rBV	809193	1288175	81.01%	15.594%
15	11.633	1618	1626	1631	rBV2	9499	19525	1.23%	0.236%
16	12.401	1745	1752	1762	rBV	549786	897878	56.46%	10.869%
17	13.346	1900	1907	1917	rVB	635216	950794	59.79%	11.510%
18	13.883	1989	1995	2002	rVB	42574	66056	4.15%	0.800%

Sum of corrected areas: 8260549

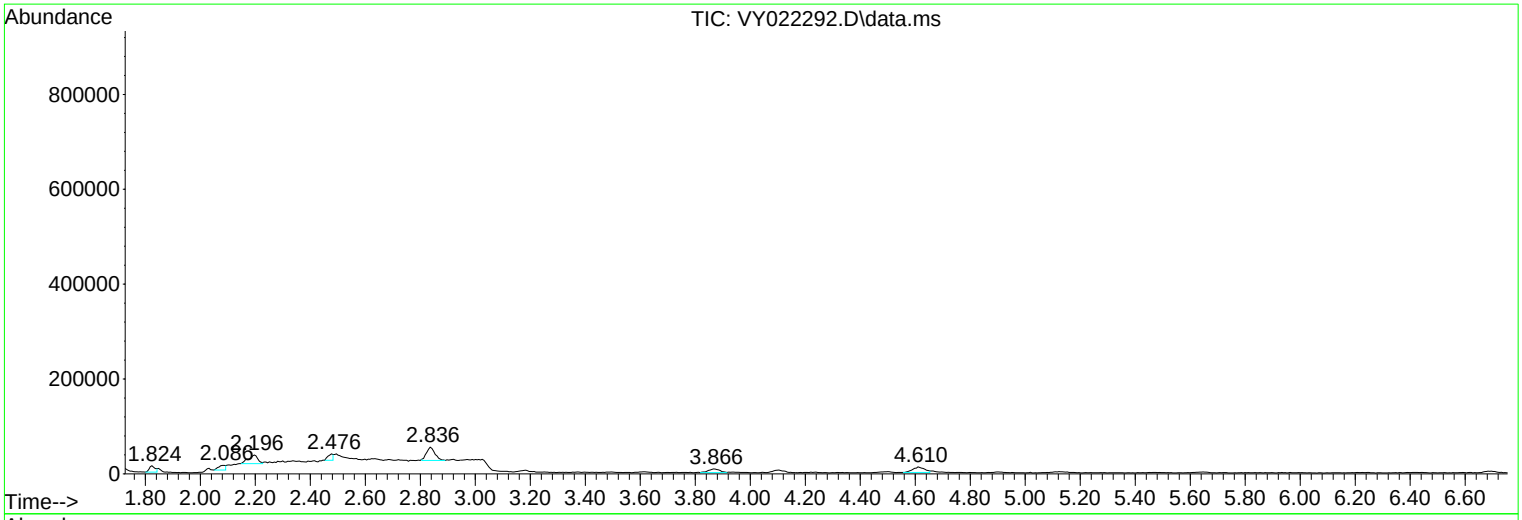
Sample Results: **VY022292.D**

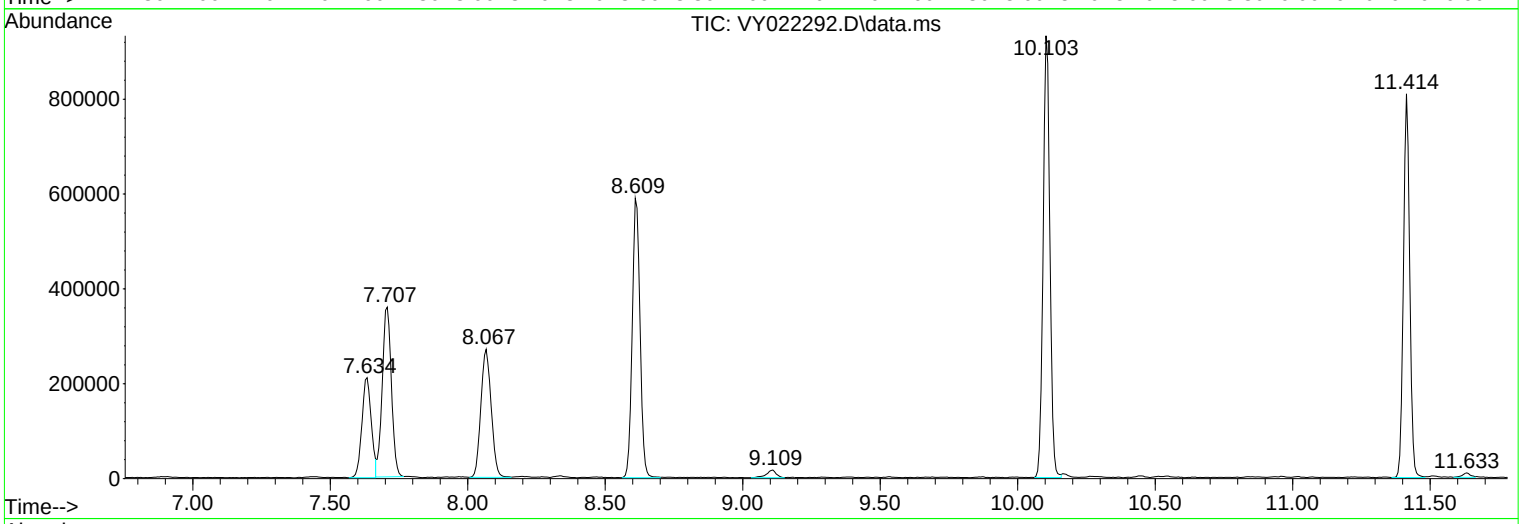
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

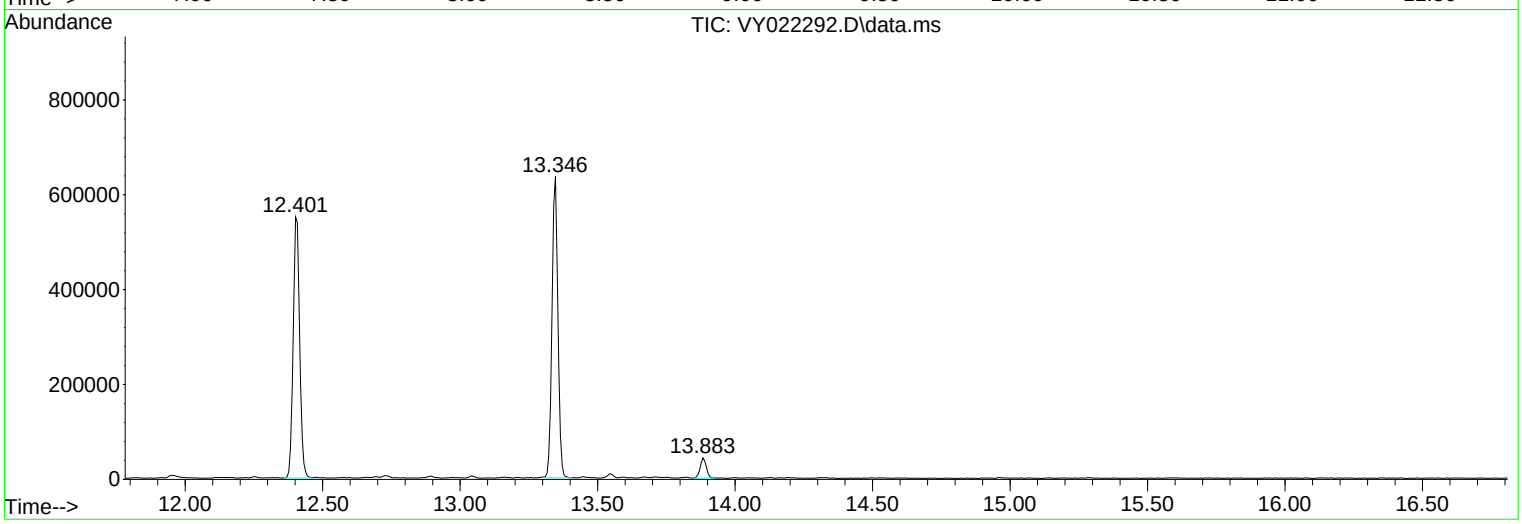
Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY022292.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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_Y\Data\VY051625\
Data File : VY022292.D
Acq On : 16 May 2025 15:38
Operator : SY/MD
Sample : Q2010-04
Misc : 7.85g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP-17

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Time: May 15 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

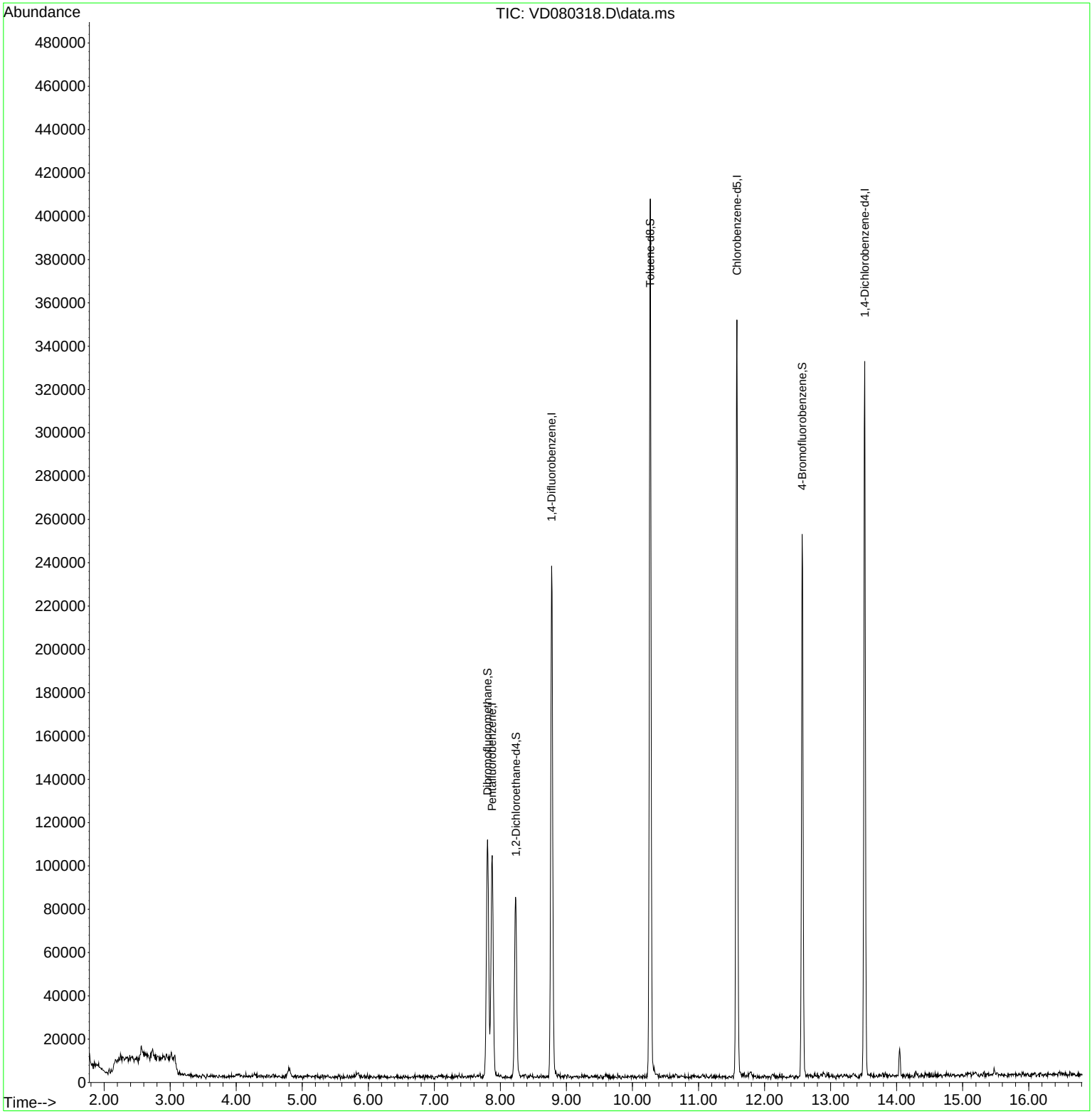
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	76535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	201385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	193499	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	87202	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.235	65	66495	67.185	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.380%			
35) Dibromofluoromethane	7.805	113	79131	58.626	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.260%			
50) Toluene-d8	10.270	98	270367	50.838	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.570	95	76547	44.844	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.680%			
Target Compounds						Qvalue

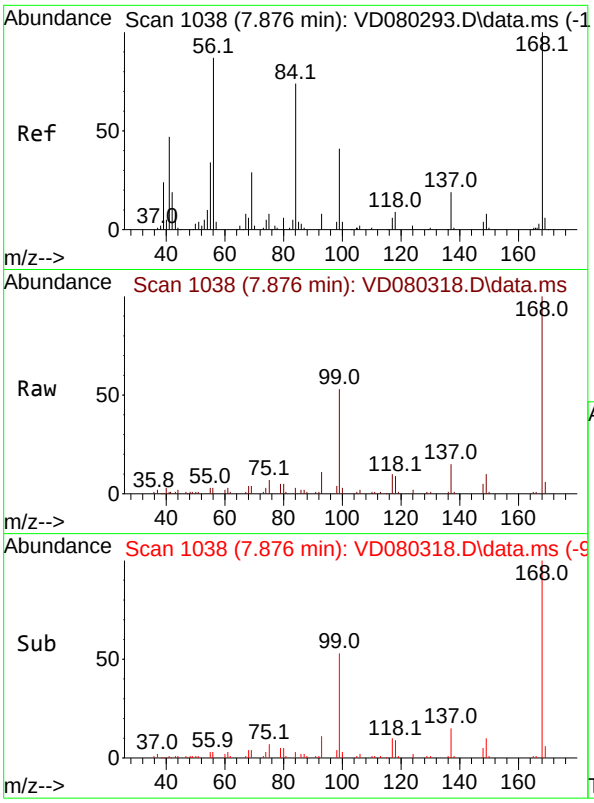
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Time: May 15 03:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration



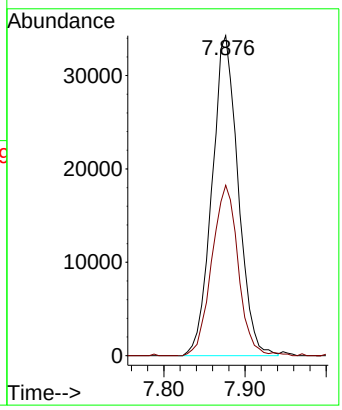


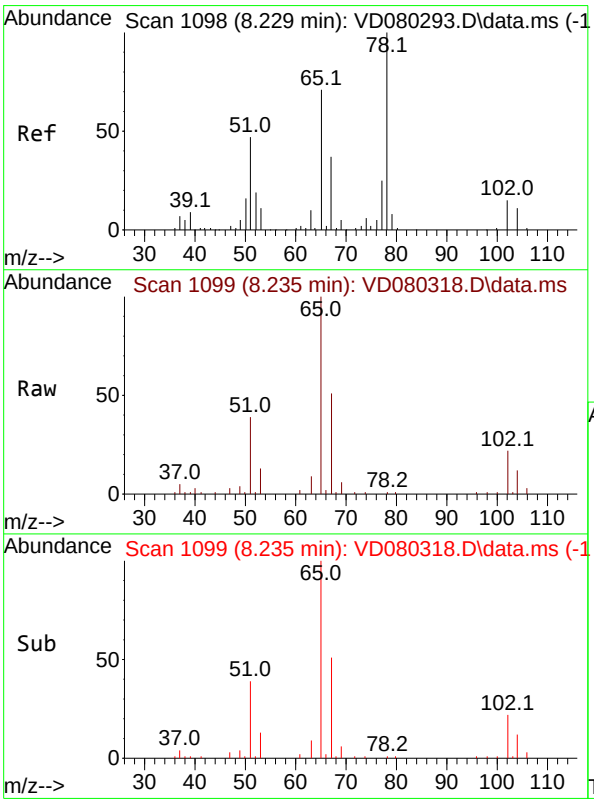
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.876 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Tgt Ion:168 Resp: 76535

Ion	Ratio	Lower	Upper
168	100		
99	53.3	46.0	69.0

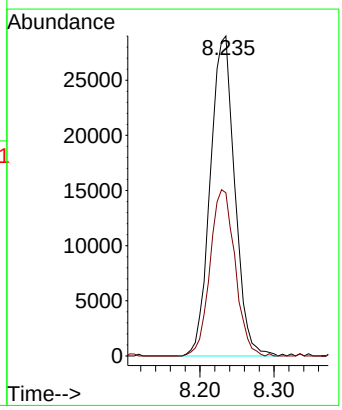


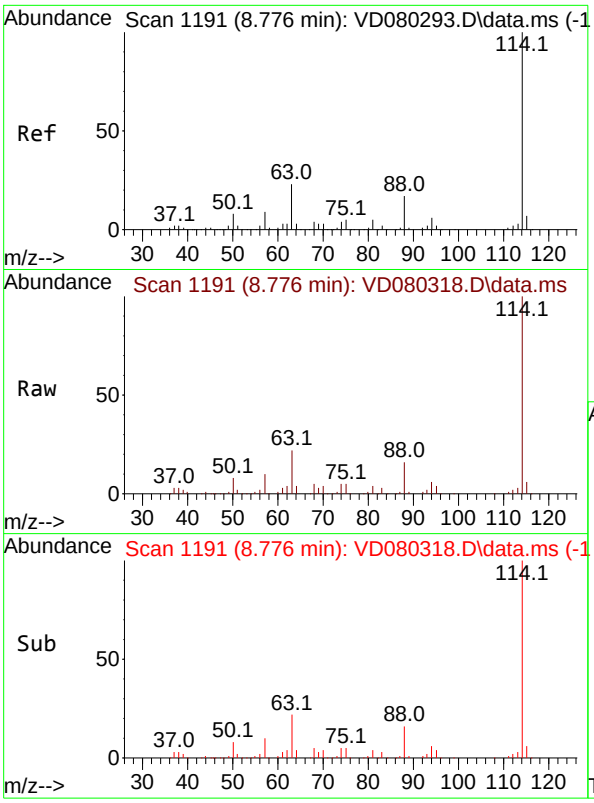


#33
1,2-Dichloroethane-d4
Concen: 67.185 ug/l
RT: 8.235 min Scan# 1099
Delta R.T. 0.007 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion: 65 Resp: 66495

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	109.2



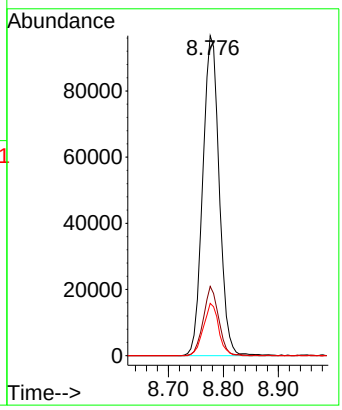


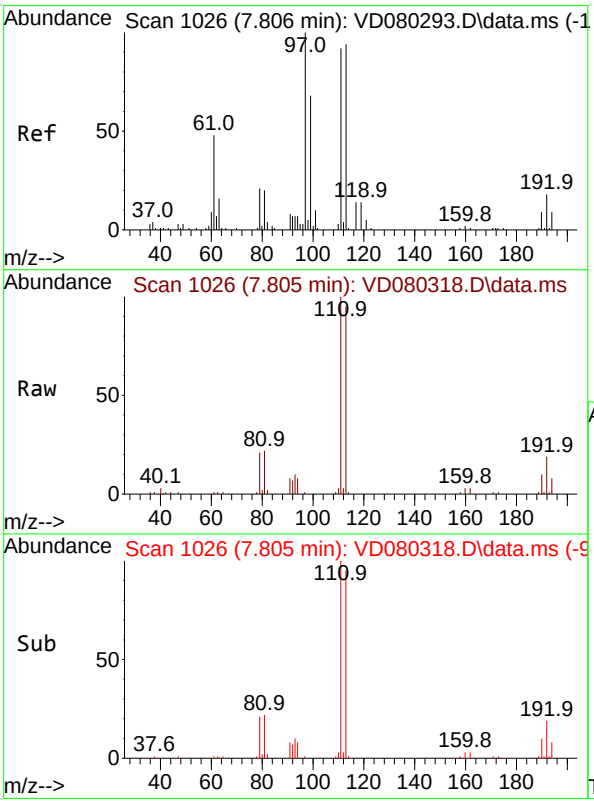
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.776 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Tgt Ion:114 Resp: 201385

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	38.8
88	16.4	0.0	30.6

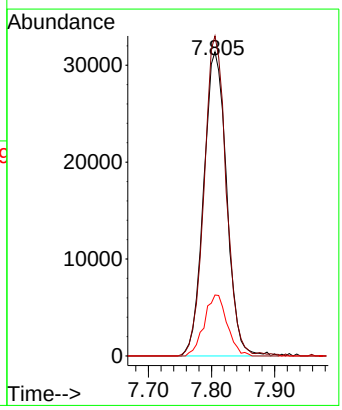


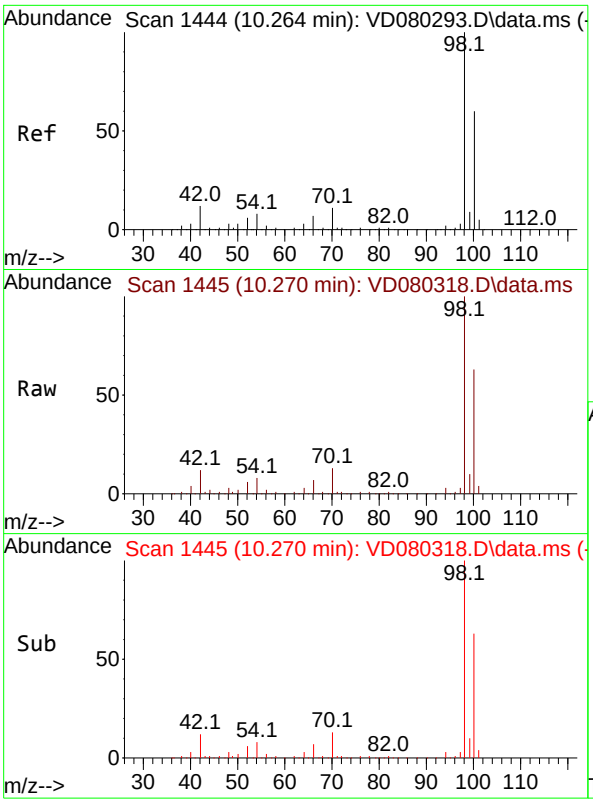


#35
Dibromofluoromethane
Concen: 58.626 ug/l
RT: 7.805 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion:113 Resp: 79131

Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.5	123.7
192	20.0	16.6	25.0



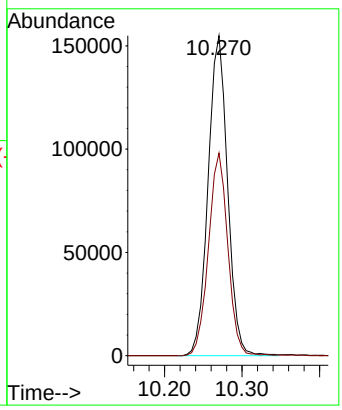


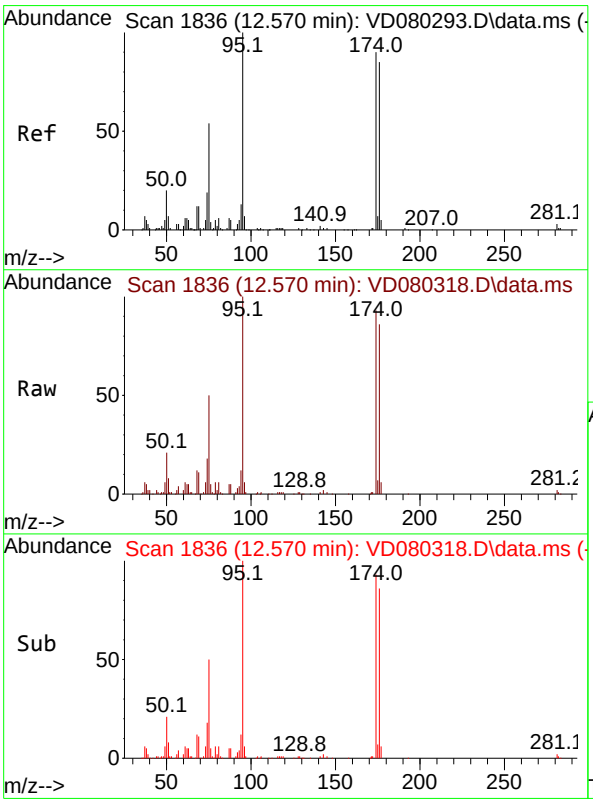
#50
Toluene-d8
Concen: 50.838 ug/l
RT: 10.270 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Tgt Ion: 98 Resp: 270367

Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.2	75.4

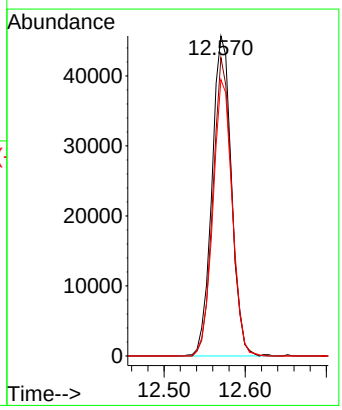


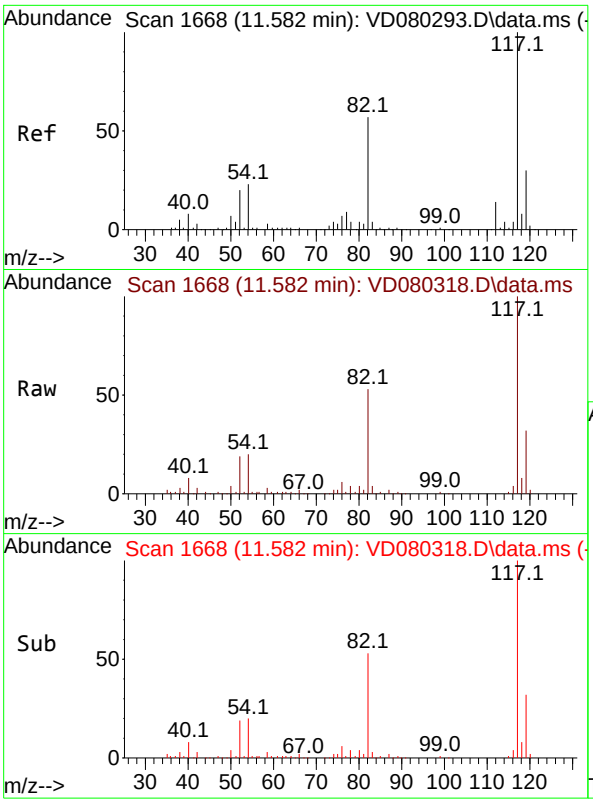


#62
4-Bromofluorobenzene
Concen: 44.844 ug/l
RT: 12.570 min Scan# 1836
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion: 95 Resp: 76547

Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	173.4
176	85.1	0.0	166.6



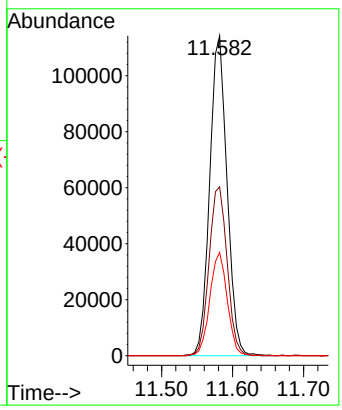


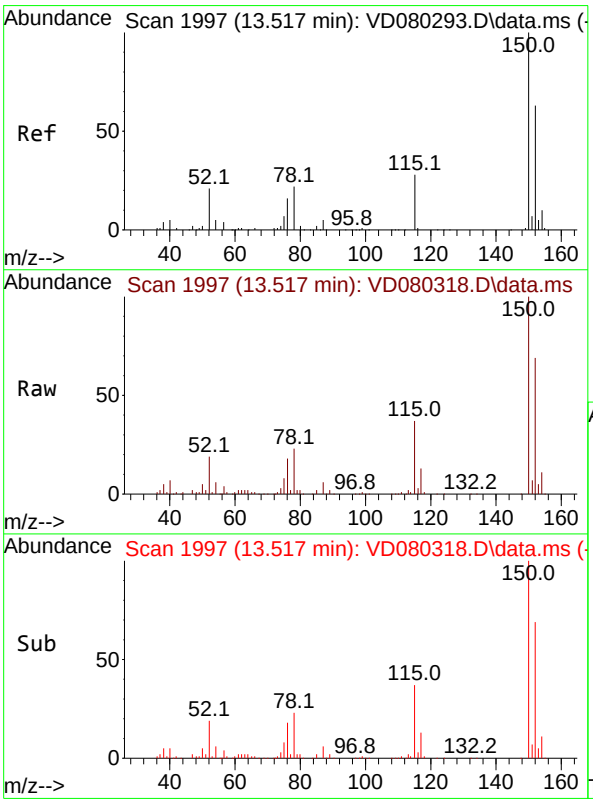
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.582 min Scan# 1
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Tgt Ion:117 Resp: 193499

Ion	Ratio	Lower	Upper
117	100		
82	52.8	45.8	68.6
119	32.2	26.2	39.2

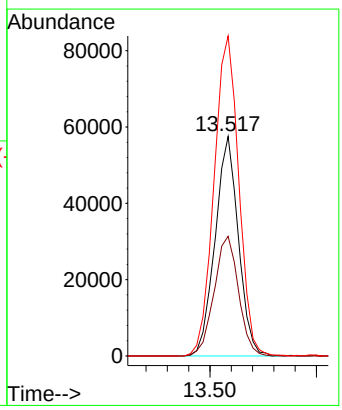




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.517 min Scan# 1997
Delta R.T. 0.001 min
Lab File: VD080318.D
Acq: 14 May 2025 12:59

Tgt Ion:152 Resp: 87202

Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.9	86.8
150	154.3	0.0	354.8



Sample Results: **VD080318.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

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\82D050625S.M
Title : SW846 8260

Signal : TIC: VD080318.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.170	59	68	72	rBV4	5718	16122	2.25%	0.457%
2	3.070	218	221	230	rVB4	8919	18631	2.60%	0.529%
3	4.794	508	514	516	rBV3	4574	7362	1.03%	0.209%
4	7.805	1015	1026	1032	rBV2	109573	270100	37.65%	7.663%
5	7.876	1032	1038	1049	rVB2	101854	238112	33.19%	6.756%
6	8.229	1089	1098	1111	rVB2	83384	196950	27.45%	5.588%
7	8.776	1183	1191	1201	rBV	236198	489826	68.27%	13.897%
8	10.270	1437	1445	1454	rBV	405456	717441	100.00%	20.355%
9	11.582	1659	1668	1676	rBV	350290	610857	85.14%	17.331%
10	12.570	1830	1836	1843	rBV	250278	414832	57.82%	11.769%
11	13.517	1990	1997	2005	rVB	329578	526544	73.39%	14.939%
12	14.046	2083	2087	2091	rVB2	12420	17875	2.49%	0.507%

Sum of corrected areas: 3524652

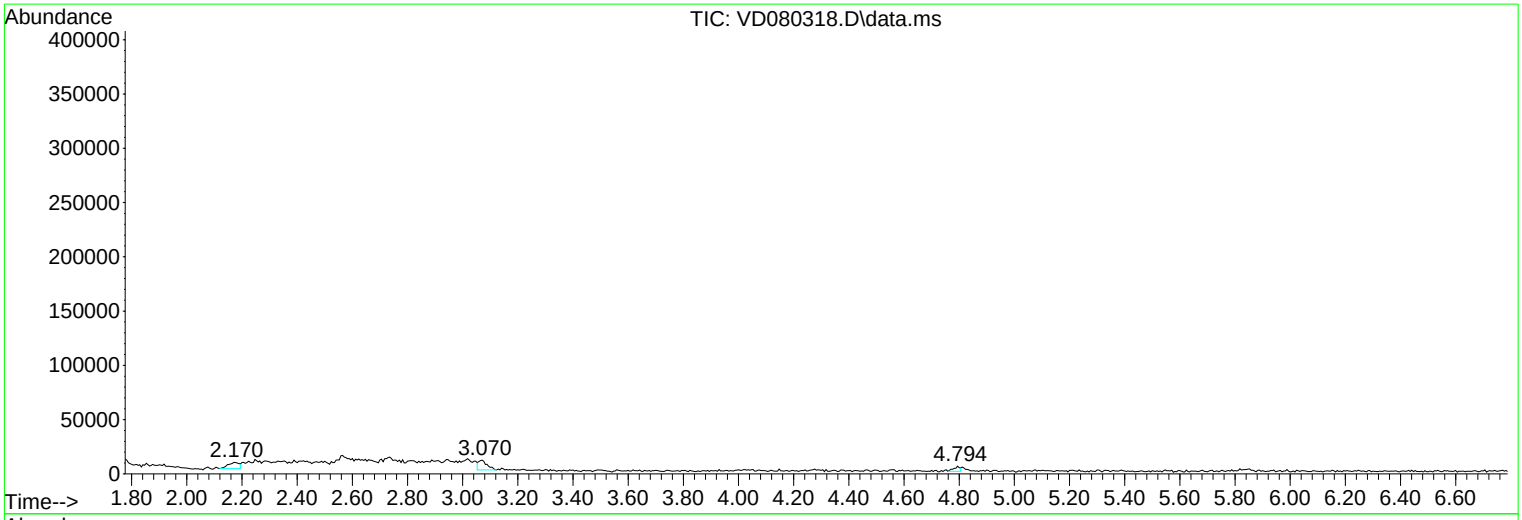
Sample Results: **VD080318.D**

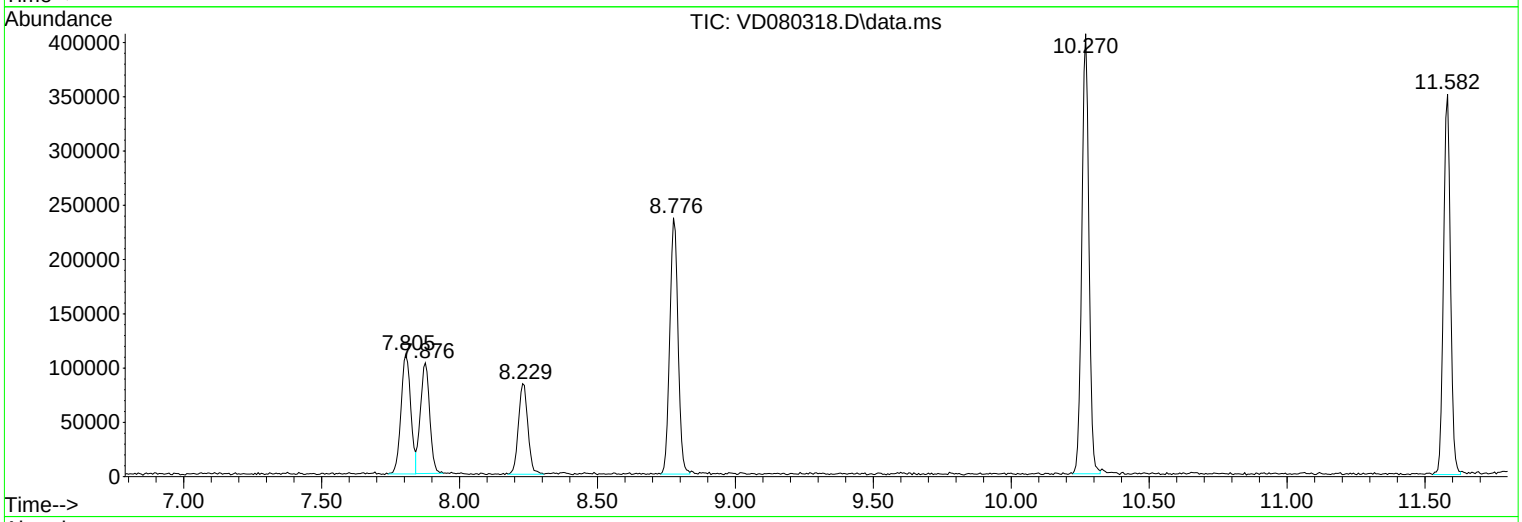
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

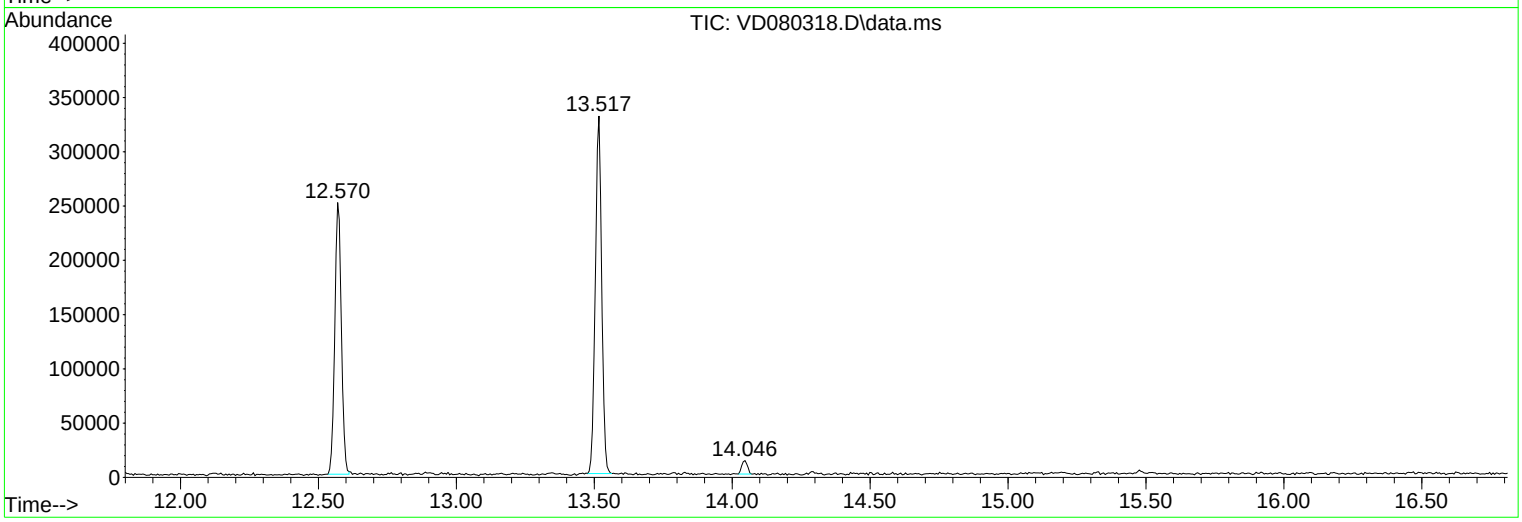
Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VD080318.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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\VD051425\
Data File : VD080318.D
Acq On : 14 May 2025 12:59
Operator : RP/MD
Sample : VD0514SBL01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.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\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Time: May 17 01:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	314347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	555500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	426459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	151389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150831	43.903	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 87.800%			
35) Dibromofluoromethane	7.634	113	158963	47.945	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.880%			
50) Toluene-d8	10.109	98	662270	48.771	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.540%			
62) 4-Bromofluorobenzene	12.408	95	208685	48.485	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.980%			

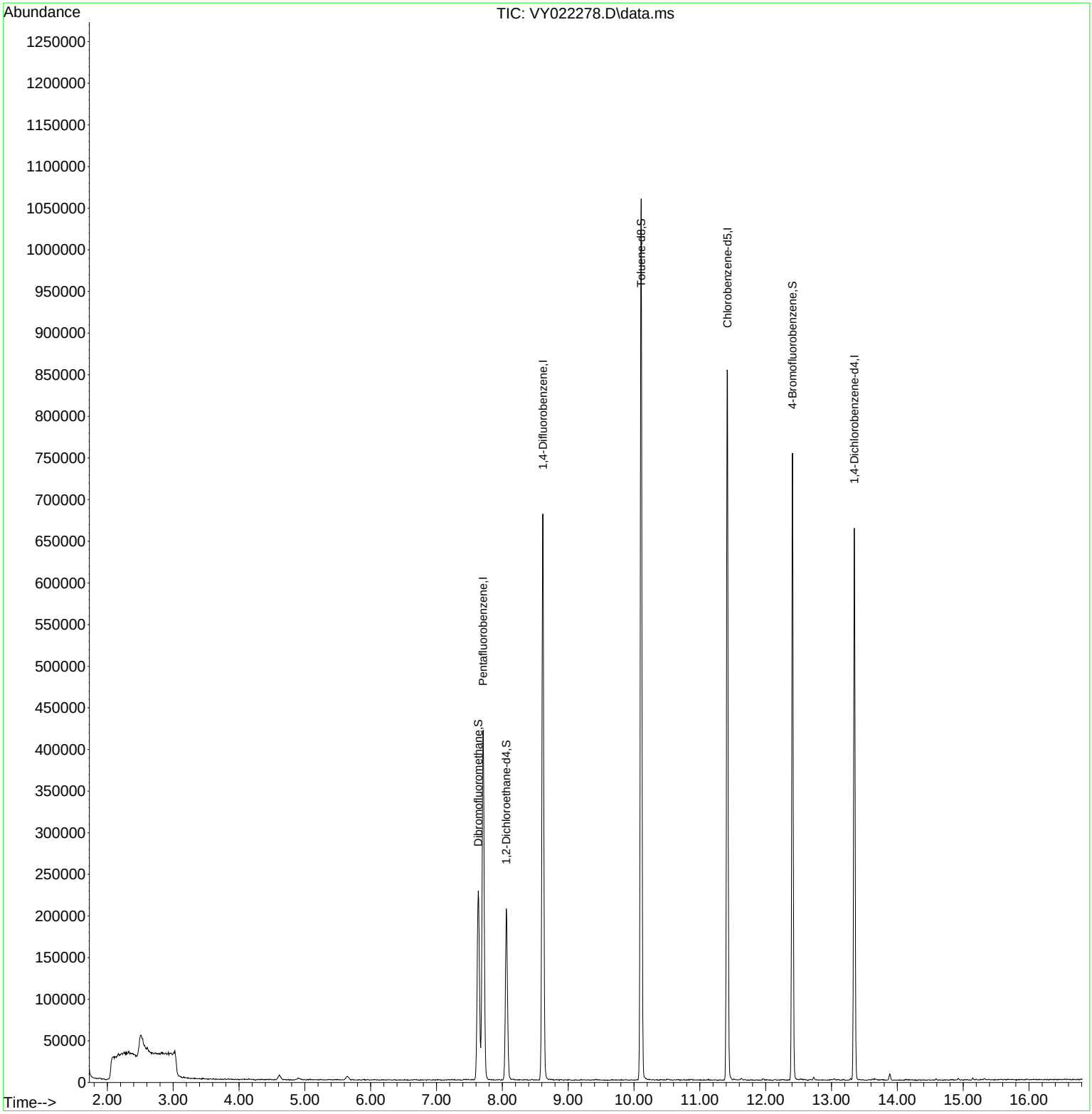
Target Compounds Qvalue

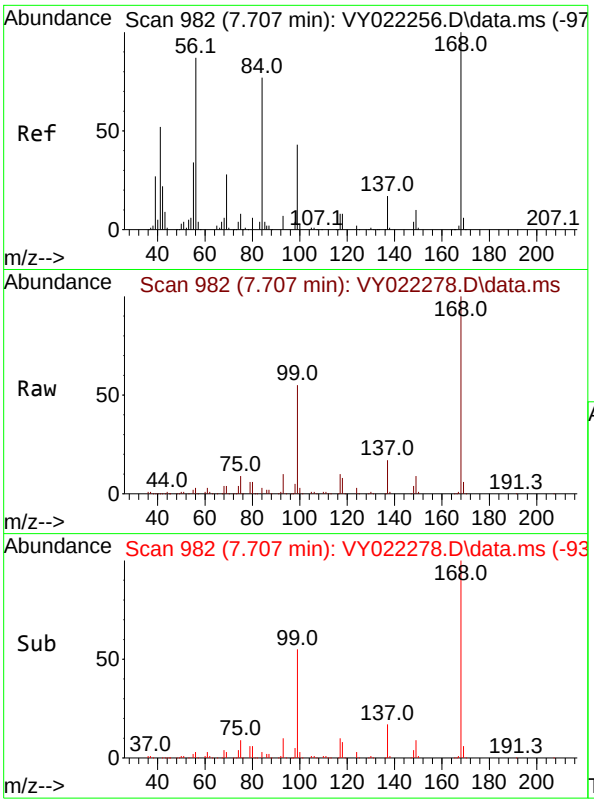
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Time: May 17 01:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration



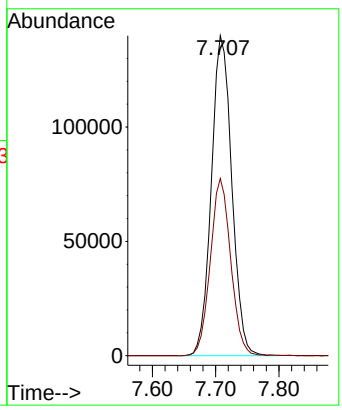


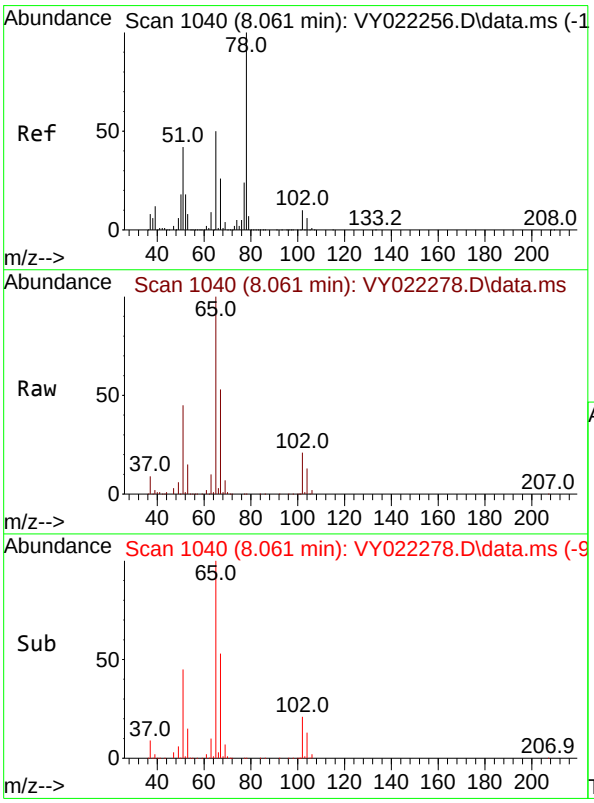
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion:168 Resp: 314347

Ion	Ratio	Lower	Upper
168	100		
99	55.4	44.2	66.4

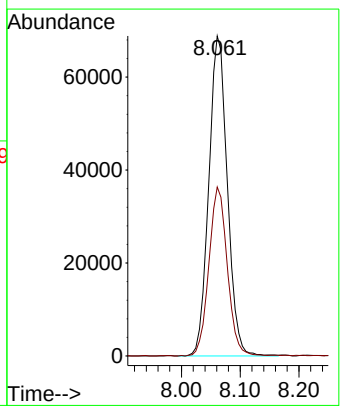


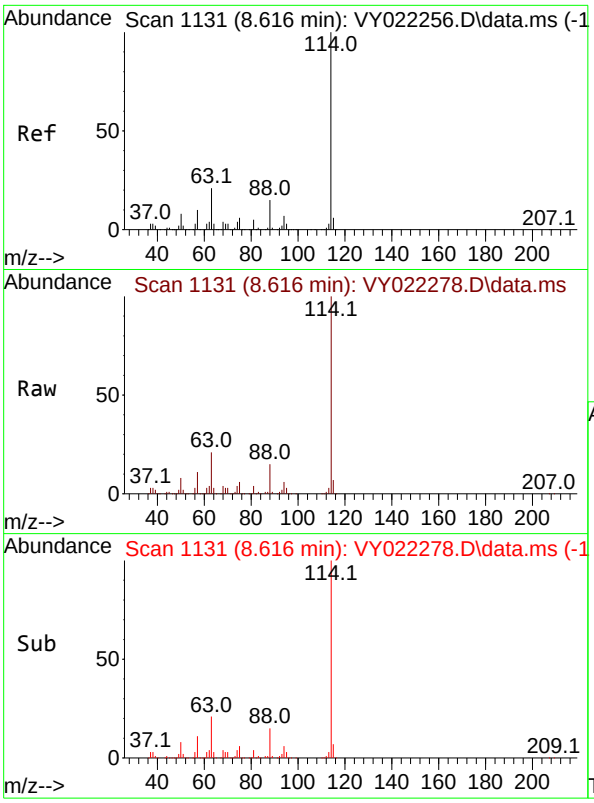


#33
1,2-Dichloroethane-d4
Concen: 43.903 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 65 Resp: 150831

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6



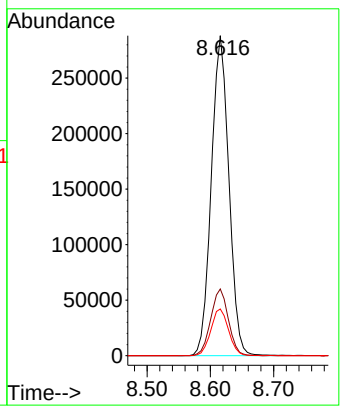


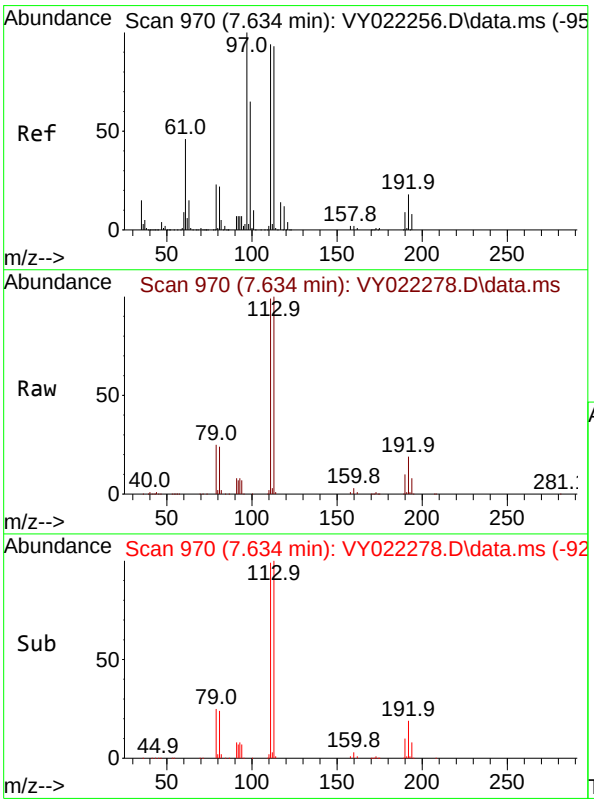
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion:114 Resp: 555500

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.0
88	14.6	0.0	29.4

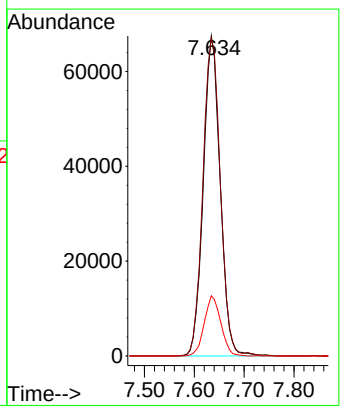


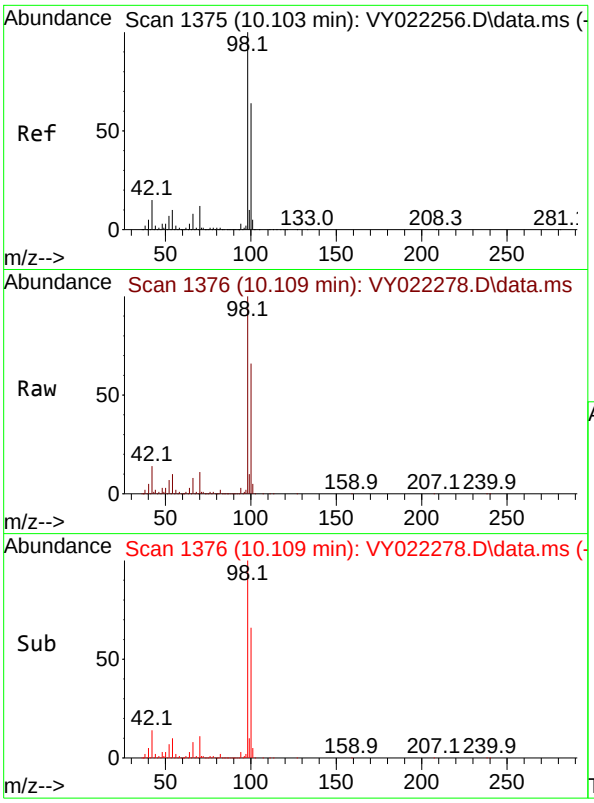


#35
Dibromofluoromethane
Concen: 47.945 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion:113 Resp: 158963

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	18.4	15.2	22.8



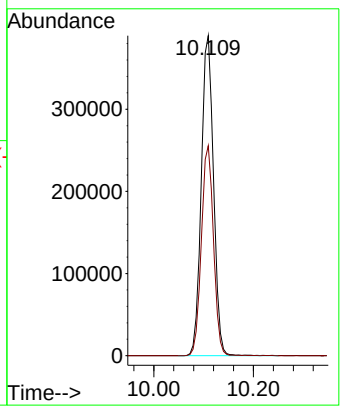


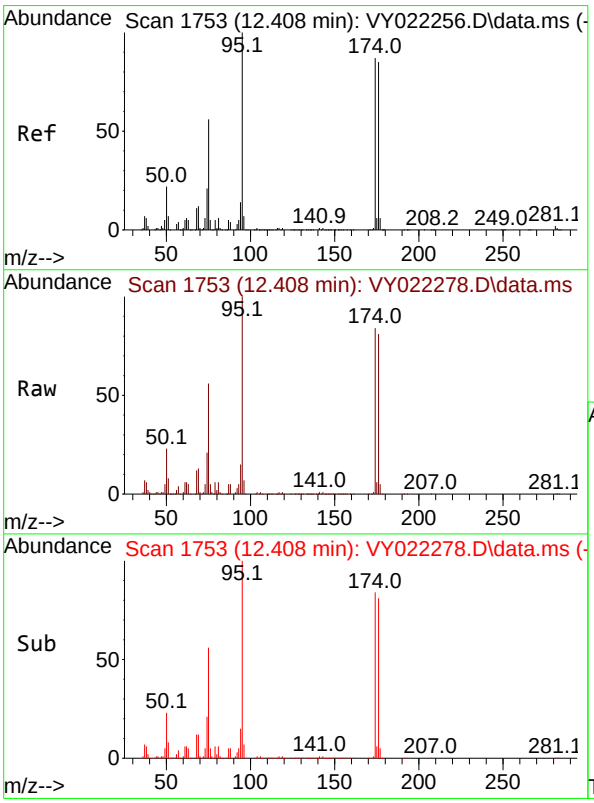
#50
Toluene-d8
Concen: 48.771 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion: 98 Resp: 662270

Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8

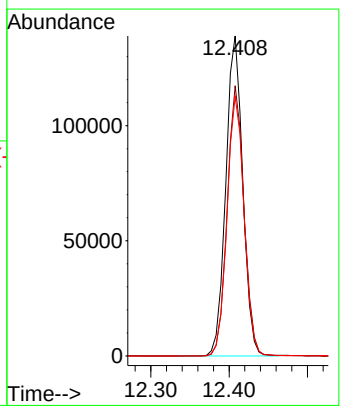


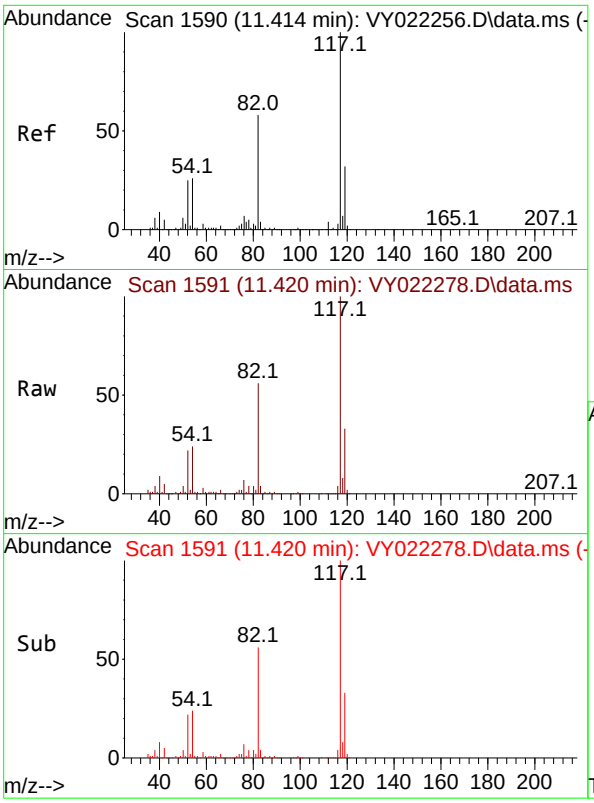


#62
4-Bromofluorobenzene
Concen: 48.485 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion: 95 Resp: 208685

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	166.8
176	81.7	0.0	160.8



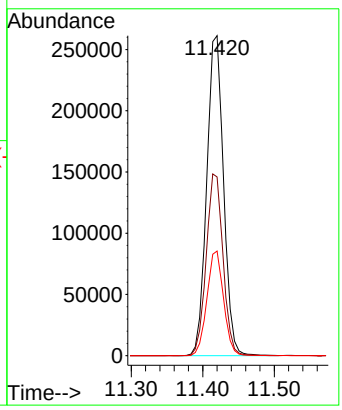


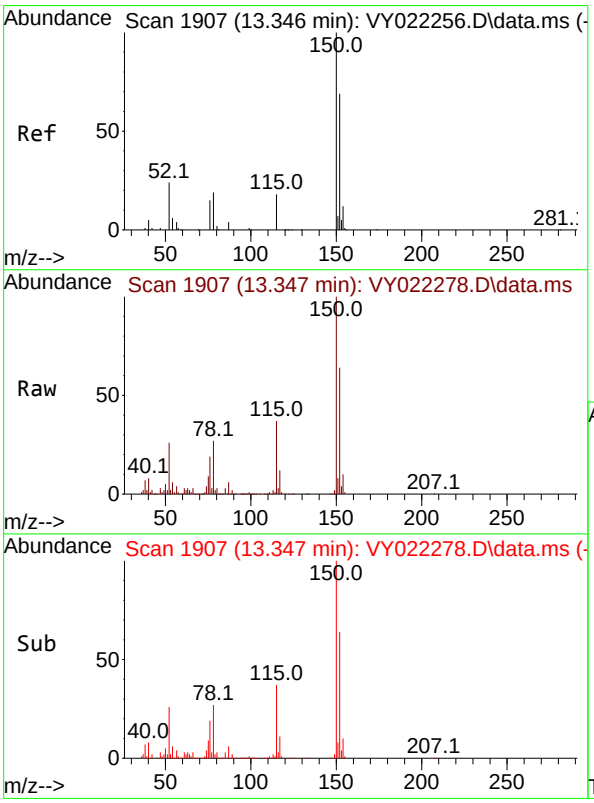
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Tgt Ion:117 Resp: 426459

Ion	Ratio	Lower	Upper
117	100		
82	55.8	46.6	70.0
119	32.7	25.8	38.6

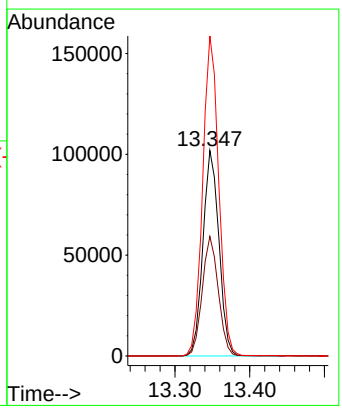




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022278.D
Acq: 16 May 2025 09:37

Tgt Ion:152 Resp: 151389

Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.4	88.2
150	156.5	0.0	353.8



Sample Results: **VY022278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

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\82Y051525S.M
Title : SW846 8260

Signal : TIC: VY022278.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.507	124	129	133	rBV6	15187	37517	2.06%	0.432%
2	7.634	960	970	976	rBV	227205	549094	30.21%	6.327%
3	7.707	976	982	995	rVB	419918	942727	51.86%	10.863%
4	8.061	1030	1040	1052	rBV	205731	447251	24.60%	5.154%
5	8.616	1122	1131	1145	rBV	679955	1321951	72.73%	15.232%
6	10.109	1368	1376	1387	rBV	1058309	1817733	100.00%	20.945%
7	11.414	1582	1590	1603	rBV	853205	1412662	77.72%	16.278%
8	12.408	1746	1753	1764	rBV	752746	1152576	63.41%	13.281%
9	13.347	1900	1907	1918	rVB	662743	997052	54.85%	11.489%

Sum of corrected areas: 8678563

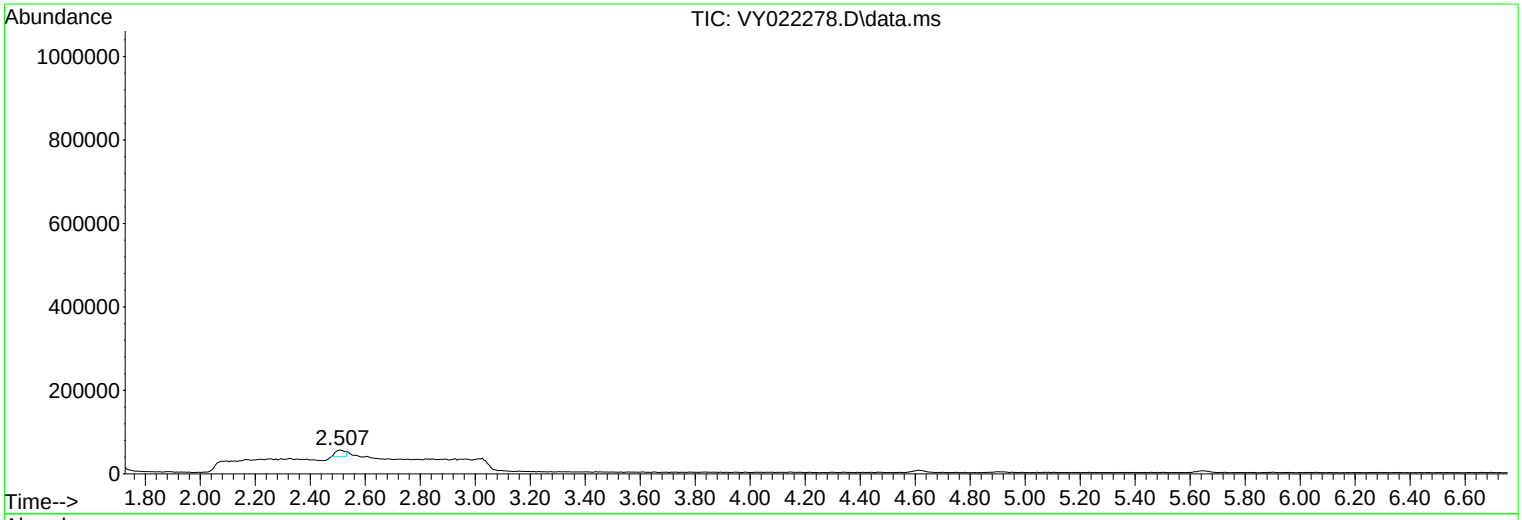
Sample Results: **VY022278.D**

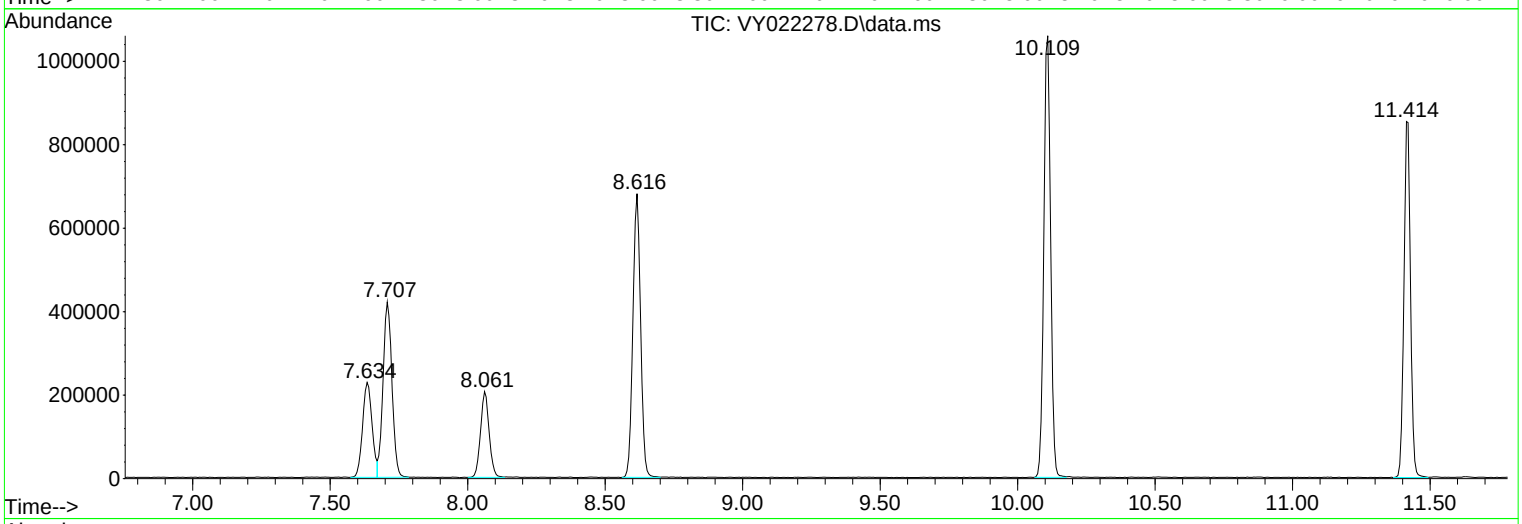
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

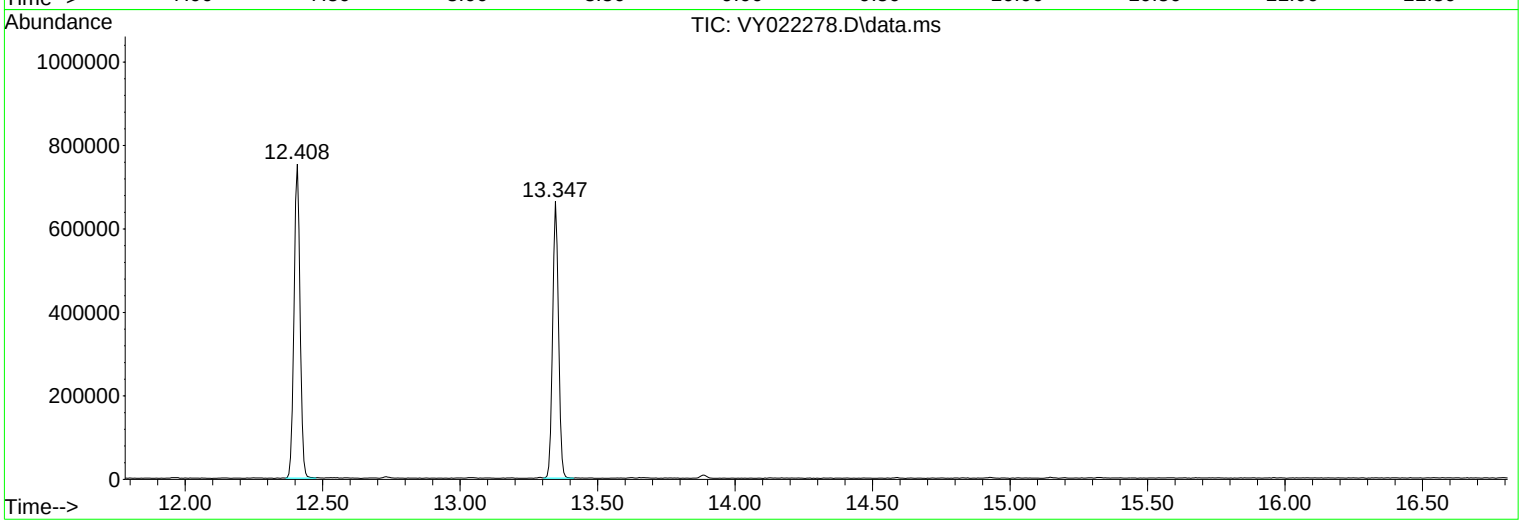
Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY022278.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VY051625\
Data File : VY022278.D
Acq On : 16 May 2025 09:37
Operator : SY/MD
Sample : VY0516SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.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\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	107481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	177282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.576	117	170015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	97541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	67259	48.391	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.780%			
35) Dibromofluoromethane	7.800	113	62017	52.194	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.380%			
50) Toluene-d8	10.270	98	238107	50.859	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.720%			
62) 4-Bromofluorobenzene	12.570	95	74436	49.536	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	27472	26.254	ug/l	96
3) Chloromethane	2.153	50	41778	19.600	ug/l	91
4) Vinyl Chloride	2.282	62	55671	19.924	ug/l	98
5) Bromomethane	2.676	94	41154	20.461	ug/l	99
6) Chloroethane	2.829	64	40486	20.493	ug/l	96
7) Trichlorofluoromethane	3.165	101	46677	21.786	ug/l	92
8) Diethyl Ether	3.594	74	12845	19.422	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.965	101	28366	21.488	ug/l	96
10) Methyl Iodide	4.159	142	26930	20.012	ug/l	97
11) Tert butyl alcohol	5.059	59	7831	92.849	ug/l #	85
12) 1,1-Dichloroethene	3.935	96	24417	18.762	ug/l	97
13) Acrolein	3.794	56	8182	55.136	ug/l	98
14) Allyl chloride	4.559	41	36801	17.980	ug/l	98
15) Acrylonitrile	5.259	53	28853	90.745	ug/l	97
16) Acetone	4.023	43	21334	89.429	ug/l	96
17) Carbon Disulfide	4.265	76	89197	19.737	ug/l	97
18) Methyl Acetate	4.564	43	16569	18.423	ug/l	99
19) Methyl tert-butyl Ether	5.312	73	53626	18.756	ug/l	100
20) Methylene Chloride	4.794	84	34732	21.194	ug/l	97
21) trans-1,2-Dichloroethene	5.306	96	28134	19.899	ug/l	97
22) Diisopropyl ether	6.211	45	79835	18.935	ug/l #	92
23) Vinyl Acetate	6.159	43	217491	88.567	ug/l	96
24) 1,1-Dichloroethane	6.106	63	53309	20.093	ug/l	99
25) 2-Butanone	7.088	43	34209	89.452	ug/l #	84
26) 2,2-Dichloropropane	7.070	77	40770	19.311	ug/l	98
27) cis-1,2-Dichloroethene	7.076	96	31080	19.841	ug/l	98
28) Bromochloromethane	7.429	49	22901	18.538	ug/l	93
29) Tetrahydrofuran	7.447	42	21330	85.543	ug/l	98
30) Chloroform	7.594	83	55010	20.791	ug/l	92
31) Cyclohexane	7.876	56	39699	17.581	ug/l	96
32) 1,1,1-Trichloroethane	7.788	97	45775	21.206	ug/l	97
36) 1,1-Dichloropropene	8.011	75	35667	20.085	ug/l	96
37) Ethyl Acetate	7.170	43	17001	18.308	ug/l #	75
38) Carbon Tetrachloride	7.988	117	40179	21.695	ug/l	97
39) Methylcyclohexane	9.276	83	40065	19.443	ug/l	85
40) Benzene	8.253	78	113402	20.381	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.400	41	7757	15.095	ug/l	#	88
42) 1,2-Dichloroethane	8.323	62	32908	20.410	ug/l		97
43) Isopropyl Acetate	8.358	43	31415	18.657	ug/l		98
44) Trichloroethene	9.023	130	26968	20.879	ug/l		91
45) 1,2-Dichloropropane	9.305	63	28878	20.236	ug/l		99
46) Dibromomethane	9.400	93	17384	22.375	ug/l		93
47) Bromodichloromethane	9.582	83	40727	20.652	ug/l		96
48) Methyl methacrylate	9.382	41	14320	17.898	ug/l		95
49) 1,4-Dioxane	9.388	88	3208	347.288	ug/l	#	81
51) 4-Methyl-2-Pentanone	10.158	43	83049	95.722	ug/l		95
52) Toluene	10.329	92	69381	20.698	ug/l		96
53) t-1,3-Dichloropropene	10.552	75	36477	20.290	ug/l		99
54) cis-1,3-Dichloropropene	10.017	75	41897	20.111	ug/l		98
55) 1,1,2-Trichloroethane	10.735	97	21733	21.147	ug/l		93
56) Ethyl methacrylate	10.599	69	23476	18.851	ug/l		94
57) 1,3-Dichloropropane	10.876	76	35143	20.575	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.870	63	48087	94.353	ug/l		100
59) 2-Hexanone	10.923	43	54364	91.088	ug/l		95
60) Dibromochloromethane	11.070	129	28525	22.148	ug/l		97
61) 1,2-Dibromoethane	11.176	107	20360	21.364	ug/l		99
64) Tetrachloroethene	10.811	164	23412	20.335	ug/l		96
65) Chlorobenzene	11.605	112	75933	19.780	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.682	131	28484	21.597	ug/l		94
67) Ethyl Benzene	11.682	91	122591	19.109	ug/l		99
68) m/p-Xylenes	11.794	106	98831	39.676	ug/l		99
69) o-Xylene	12.123	106	43731	19.212	ug/l		95
70) Styrene	12.135	104	81912	20.041	ug/l		99
71) Bromoform	12.294	173	16491	21.045	ug/l	#	95
73) Isopropylbenzene	12.417	105	112106	17.718	ug/l		99
74) N-amyl acetate	12.229	43	30586	16.843	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.670	83	27288	19.612	ug/l		96
76) 1,2,3-Trichloropropane	12.717	75	16216m	17.225	ug/l		
77) Bromobenzene	12.699	156	31996	19.495	ug/l		99
78) n-propylbenzene	12.758	91	146938	18.505	ug/l		99
79) 2-Chlorotoluene	12.846	91	85532	18.519	ug/l		100
80) 1,3,5-Trimethylbenzene	12.899	105	100614	18.644	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.470	75	9608	19.373	ug/l		96
82) 4-Chlorotoluene	12.946	91	96999	19.456	ug/l		99
83) tert-Butylbenzene	13.164	119	80789	17.940	ug/l		98
84) 1,2,4-Trimethylbenzene	13.211	105	102548	18.572	ug/l		99
85) sec-Butylbenzene	13.341	105	127008	18.289	ug/l		99
86) p-Isopropyltoluene	13.458	119	103447	17.724	ug/l		99
87) 1,3-Dichlorobenzene	13.458	146	63836	18.650	ug/l		99
88) 1,4-Dichlorobenzene	13.535	146	64159	18.594	ug/l		98
89) n-Butylbenzene	13.782	91	100066	17.661	ug/l		99
90) Hexachloroethane	14.052	117	25240	19.544	ug/l		97
91) 1,2-Dichlorobenzene	13.829	146	58430	19.652	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	3998	18.029	ug/l		99
93) 1,2,4-Trichlorobenzene	15.099	180	32872	17.580	ug/l		98
94) Hexachlorobutadiene	15.199	225	18668	19.190	ug/l		100
95) Naphthalene	15.329	128	59175	16.854	ug/l		98
96) 1,2,3-Trichlorobenzene	15.517	180	30749	18.386	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

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

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

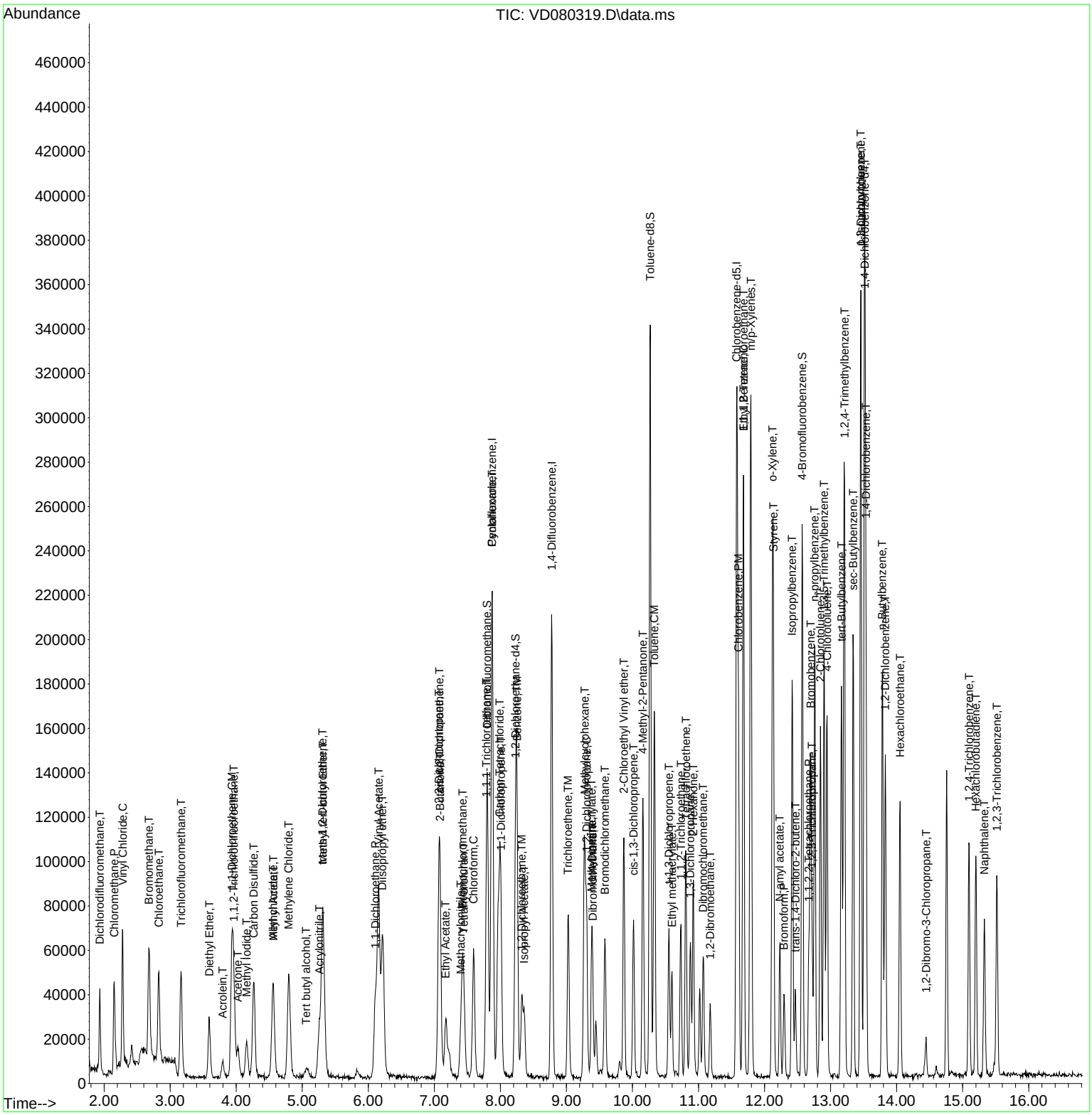
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080319.D
Acq On : 14 May 2025 13:29
Operator : RP/MD
Sample : VD0514SBS01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 15 03:33:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	205076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	351708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	300126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114577	51.121	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.240%			
35) Dibromofluoromethane	7.634	113	106659	50.809	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.620%			
50) Toluene-d8	10.109	98	437632	50.903	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.800%			
62) 4-Bromofluorobenzene	12.408	95	134691	49.426	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	45052	21.053	ug/l	96
3) Chloromethane	2.068	50	109640	24.357	ug/l	99
4) Vinyl Chloride	2.202	62	120955	24.051	ug/l	97
5) Bromomethane	2.592	94	108325	26.460	ug/l	96
6) Chloroethane	2.732	64	77272	24.698	ug/l	97
7) Trichlorofluoromethane	3.049	101	112994	22.191	ug/l	98
8) Diethyl Ether	3.452	74	24161	19.772	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	46362	20.973	ug/l	98
10) Methyl Iodide	4.000	142	47690	18.640	ug/l	99
11) Tert butyl alcohol	4.866	59	16251	94.950	ug/l #	100
12) 1,1-Dichloroethene	3.787	96	45611	20.793	ug/l	96
13) Acrolein	3.653	56	22588	90.276	ug/l	98
14) Allyl chloride	4.385	41	76691	19.939	ug/l	97
15) Acrylonitrile	5.061	53	49210	97.735	ug/l	98
16) Acetone	3.879	43	35951	85.545	ug/l	98
17) Carbon Disulfide	4.104	76	148086	20.702	ug/l	98
18) Methyl Acetate	4.385	43	26179	19.757	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	122697	20.286	ug/l	98
20) Methylene Chloride	4.616	84	54277	19.987	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	49533	20.457	ug/l	97
22) Diisopropyl ether	6.018	45	160728	19.788	ug/l	99
23) Vinyl Acetate	5.957	43	464752	94.709	ug/l	99
24) 1,1-Dichloroethane	5.915	63	92075	20.290	ug/l	98
25) 2-Butanone	6.896	43	64354	91.546	ug/l	100
26) 2,2-Dichloropropane	6.884	77	80883	20.039	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	57480	20.572	ug/l	99
28) Bromochloromethane	7.250	49	38175	19.722	ug/l	98
29) Tetrahydrofuran	7.268	42	43168	95.450	ug/l	96
30) Chloroform	7.421	83	90925	20.889	ug/l	99
31) Cyclohexane	7.701	56	89576	19.756	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	82428	20.641	ug/l	98
36) 1,1-Dichloropropene	7.835	75	67416	19.498	ug/l	99
37) Ethyl Acetate	6.988	43	30289	18.206	ug/l	96
38) Carbon Tetrachloride	7.817	117	70982	19.833	ug/l	98
39) Methylcyclohexane	9.109	83	90967	19.583	ug/l	96
40) Benzene	8.079	78	206032	20.100	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	20703m	18.760	ug/l		
42) 1,2-Dichloroethane	8.158	62	55663	20.081	ug/l		99
43) Isopropyl Acetate	8.201	43	66577	18.350	ug/l		100
44) Trichloroethene	8.865	130	52001	20.403	ug/l		99
45) 1,2-Dichloropropane	9.140	63	48024	19.433	ug/l		95
46) Dibromomethane	9.231	93	26030	19.529	ug/l		96
47) Bromodichloromethane	9.426	83	69687	20.153	ug/l		99
48) Methyl methacrylate	9.225	41	31270	18.429	ug/l		99
49) 1,4-Dioxane	9.237	88	5450	361.945	ug/l		95
51) 4-Methyl-2-Pentanone	9.999	43	161776	90.873	ug/l		98
52) Toluene	10.170	92	126577	19.501	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	63643	18.860	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	74469	19.261	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	33647	19.714	ug/l		96
56) Ethyl methacrylate	10.438	69	48650	18.299	ug/l		97
57) 1,3-Dichloropropane	10.719	76	58178	19.185	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	99985	83.786	ug/l		100
59) 2-Hexanone	10.761	43	106492	89.217	ug/l		99
60) Dibromochloromethane	10.914	129	43390	19.586	ug/l		98
61) 1,2-Dibromoethane	11.018	107	31515	19.811	ug/l		99
64) Tetrachloroethene	10.646	164	54813	19.759	ug/l		99
65) Chlorobenzene	11.444	112	133251	19.679	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.517	131	44554	19.140	ug/l		100
67) Ethyl Benzene	11.517	91	241283	19.027	ug/l		98
68) m/p-Xylenes	11.627	106	183701	38.444	ug/l		98
69) o-Xylene	11.956	106	87610	19.379	ug/l		96
70) Styrene	11.969	104	144454	18.942	ug/l		99
71) Bromoform	12.133	173	23136	18.414	ug/l	#	99
73) Isopropylbenzene	12.255	105	226293	19.344	ug/l		100
74) N-amyl acetate	12.072	43	59704	17.844	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	34300	19.065	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	27665m	19.338	ug/l		
77) Bromobenzene	12.529	156	47234	18.904	ug/l		97
78) n-propylbenzene	12.597	91	274165	19.430	ug/l		100
79) 2-Chlorotoluene	12.682	91	148305	19.125	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	178884	18.943	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11847	16.775	ug/l		93
82) 4-Chlorotoluene	12.779	91	148832	18.660	ug/l		98
83) tert-Butylbenzene	12.999	119	161923	19.292	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	179642	19.163	ug/l		99
85) sec-Butylbenzene	13.176	105	239464	19.219	ug/l		99
86) p-Isopropyltoluene	13.291	119	197757	18.872	ug/l		98
87) 1,3-Dichlorobenzene	13.285	146	93936	18.416	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	92740	18.902	ug/l		99
89) n-Butylbenzene	13.615	91	191322	19.299	ug/l		98
90) Hexachloroethane	13.877	117	40730	19.255	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	81717	19.073	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5507	18.982	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	47875	19.345	ug/l		96
94) Hexachlorobutadiene	15.023	225	26080	18.897	ug/l		98
95) Naphthalene	15.145	128	86461	18.410	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	39190	18.667	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025

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

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

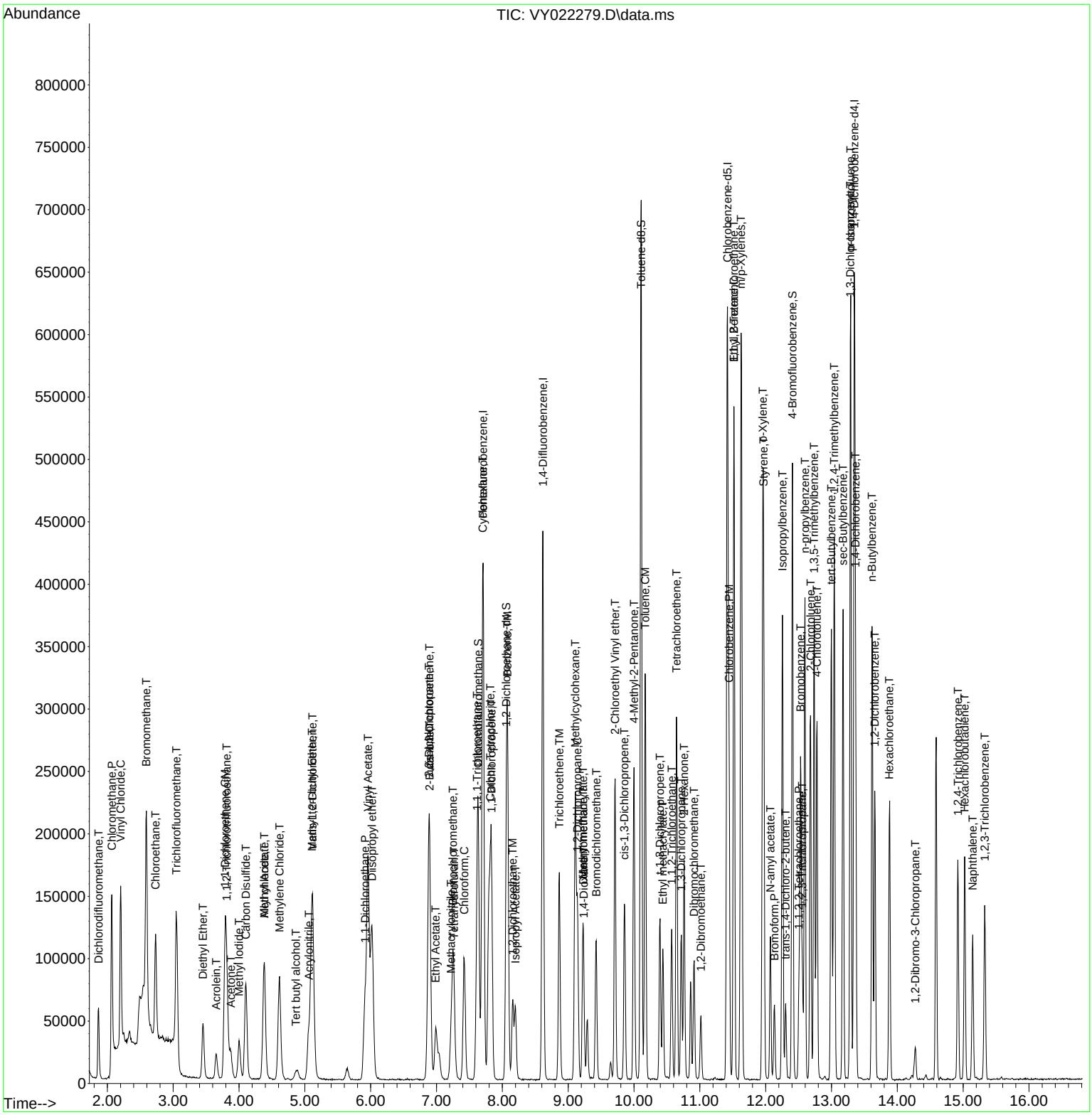
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
Data File : VY022279.D
Acq On : 16 May 2025 10:09
Operator : SY/MD
Sample : VY0516SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 17 01:28:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
Quant Title : SW846 8260
QLast Update : Fri May 16 01:42:09 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0516SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/19/2025
Supervised By :Semsettin Yesilyurt 05/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On : 14 May 2025 13:57
Operator : RP/MD
Sample : VD0514SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.876	168	108123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.776	114	175447	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.582	117	170138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.517	152	94201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.229	65	66869	47.825	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.640%			
35) Dibromofluoromethane	7.805	113	62231	52.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.840%			
50) Toluene-d8	10.270	98	237057	51.165	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.570	95	76682	51.564	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.935	85	27447	26.028	ug/l	93
3) Chloromethane	2.153	50	43430	20.439	ug/l	97
4) Vinyl Chloride	2.276	62	58270	20.730	ug/l	98
5) Bromomethane	2.682	94	40608	20.070	ug/l	98
6) Chloroethane	2.823	64	41644	20.954	ug/l	93
7) Trichlorofluoromethane	3.164	101	45828	21.263	ug/l	100
8) Diethyl Ether	3.588	74	12717	19.114	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.959	101	25769	19.405	ug/l	98
10) Methyl Iodide	4.159	142	28146	20.792	ug/l	97
11) Tert butyl alcohol	5.070	59	8113m	95.621	ug/l	
12) 1,1-Dichloroethene	3.935	96	25302	19.326	ug/l #	92
13) Acrolein	3.806	56	8764	58.707	ug/l	96
14) Allyl chloride	4.564	41	34037	16.531	ug/l	91
15) Acrylonitrile	5.253	53	30044	93.929	ug/l	99
16) Acetone	4.023	43	23160	98.134	ug/l	98
17) Carbon Disulfide	4.264	76	88967	19.569	ug/l	100
18) Methyl Acetate	4.564	43	19185	21.205	ug/l	99
19) Methyl tert-butyl Ether	5.323	73	54758	19.039	ug/l	99
20) Methylene Chloride	4.794	84	35374	21.509	ug/l #	85
21) trans-1,2-Dichloroethene	5.311	96	27157	19.094	ug/l	94
22) Diisopropyl ether	6.217	45	80858	19.064	ug/l	94
23) Vinyl Acetate	6.158	43	223292	90.390	ug/l	98
24) 1,1-Dichloroethane	6.111	63	52770	19.771	ug/l	99
25) 2-Butanone	7.082	43	34843	90.569	ug/l	94
26) 2,2-Dichloropropane	7.082	77	40387	19.016	ug/l	97
27) cis-1,2-Dichloroethene	7.082	96	30708	19.488	ug/l	98
28) Bromochloromethane	7.423	49	24188	19.464	ug/l	98
29) Tetrahydrofuran	7.452	42	24338	97.027	ug/l	95
30) Chloroform	7.594	83	54260	20.386	ug/l	97
31) Cyclohexane	7.876	56	40481	17.821	ug/l	98
32) 1,1,1-Trichloroethane	7.794	97	43747	20.146	ug/l	95
36) 1,1-Dichloropropene	8.005	75	36327	20.670	ug/l	97
37) Ethyl Acetate	7.164	43	17745	19.309	ug/l	97
38) Carbon Tetrachloride	7.994	117	38773	21.155	ug/l	89
39) Methylcyclohexane	9.276	83	37166	18.225	ug/l	98
40) Benzene	8.252	78	112886	20.500	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On : 14 May 2025 13:57
Operator : RP/MD
Sample : VD0514SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.400	41	9234	18.157	ug/l		98
42) 1,2-Dichloroethane	8.329	62	34403	21.561	ug/l		100
43) Isopropyl Acetate	8.358	43	32236	19.344	ug/l		98
44) Trichloroethene	9.029	130	27140	21.232	ug/l		98
45) 1,2-Dichloropropane	9.305	63	30235	21.409	ug/l		96
46) Dibromomethane	9.394	93	17459	22.706	ug/l		95
47) Bromodichloromethane	9.582	83	41844	21.441	ug/l		96
48) Methyl methacrylate	9.376	41	14510	18.325	ug/l		96
49) 1,4-Dioxane	9.382	88	3881	424.539	ug/l		96
51) 4-Methyl-2-Pentanone	10.158	43	86390	100.614	ug/l		93
52) Toluene	10.335	92	69044	20.812	ug/l		94
53) t-1,3-Dichloropropene	10.552	75	35761	20.100	ug/l		99
54) cis-1,3-Dichloropropene	10.017	75	41281	20.022	ug/l		99
55) 1,1,2-Trichloroethane	10.735	97	22028	21.658	ug/l		96
56) Ethyl methacrylate	10.594	69	23711	19.239	ug/l		94
57) 1,3-Dichloropropane	10.876	76	36305	21.477	ug/l		96
58) 2-Chloroethyl Vinyl ether	9.870	63	48960	97.071	ug/l		98
59) 2-Hexanone	10.917	43	56917	96.363	ug/l		96
60) Dibromochloromethane	11.076	129	28772	22.573	ug/l		98
61) 1,2-Dibromoethane	11.176	107	20063	21.273	ug/l		97
64) Tetrachloroethene	10.811	164	22626	19.638	ug/l		97
65) Chlorobenzene	11.605	112	75690	19.702	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.676	131	27455	20.802	ug/l		98
67) Ethyl Benzene	11.682	91	123851	19.292	ug/l		100
68) m/p-Xylenes	11.793	106	97306	39.036	ug/l		98
69) o-Xylene	12.117	106	43711	19.190	ug/l		93
70) Styrene	12.135	104	80039	19.569	ug/l		98
71) Bromoform	12.293	173	16564	21.123	ug/l	#	100
73) Isopropylbenzene	12.417	105	109729	17.957	ug/l		98
74) N-amyl acetate	12.229	43	31168	17.772	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.670	83	26515	19.732	ug/l		99
76) 1,2,3-Trichloropropane	12.723	75	15040m	16.543	ug/l		
77) Bromobenzene	12.699	156	32251	20.347	ug/l		99
78) n-propylbenzene	12.758	91	145714	19.002	ug/l		99
79) 2-Chlorotoluene	12.846	91	86837	19.468	ug/l		99
80) 1,3,5-Trimethylbenzene	12.899	105	100106	19.207	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.470	75	9310	19.438	ug/l		96
82) 4-Chlorotoluene	12.946	91	93535	19.426	ug/l		99
83) tert-Butylbenzene	13.164	119	80335	18.471	ug/l		98
84) 1,2,4-Trimethylbenzene	13.211	105	102044	19.136	ug/l		98
85) sec-Butylbenzene	13.340	105	125033	18.643	ug/l		99
86) p-Isopropyltoluene	13.458	119	107020	18.986	ug/l		99
87) 1,3-Dichlorobenzene	13.458	146	65750	19.891	ug/l		96
88) 1,4-Dichlorobenzene	13.535	146	65246	19.579	ug/l		98
89) n-Butylbenzene	13.787	91	98233	17.952	ug/l		98
90) Hexachloroethane	14.046	117	24479	19.627	ug/l		99
91) 1,2-Dichlorobenzene	13.829	146	56894	19.813	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.446	75	4473	20.886	ug/l		99
93) 1,2,4-Trichlorobenzene	15.099	180	33330	18.457	ug/l		98
94) Hexachlorobutadiene	15.199	225	17589	18.722	ug/l		99
95) Naphthalene	15.329	128	59557	17.564	ug/l		98
96) 1,2,3-Trichlorobenzene	15.517	180	29810	18.457	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On : 14 May 2025 13:57
Operator : RP/MD
Sample : VD0514SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025

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

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

Sample Results: **VD080320.D**

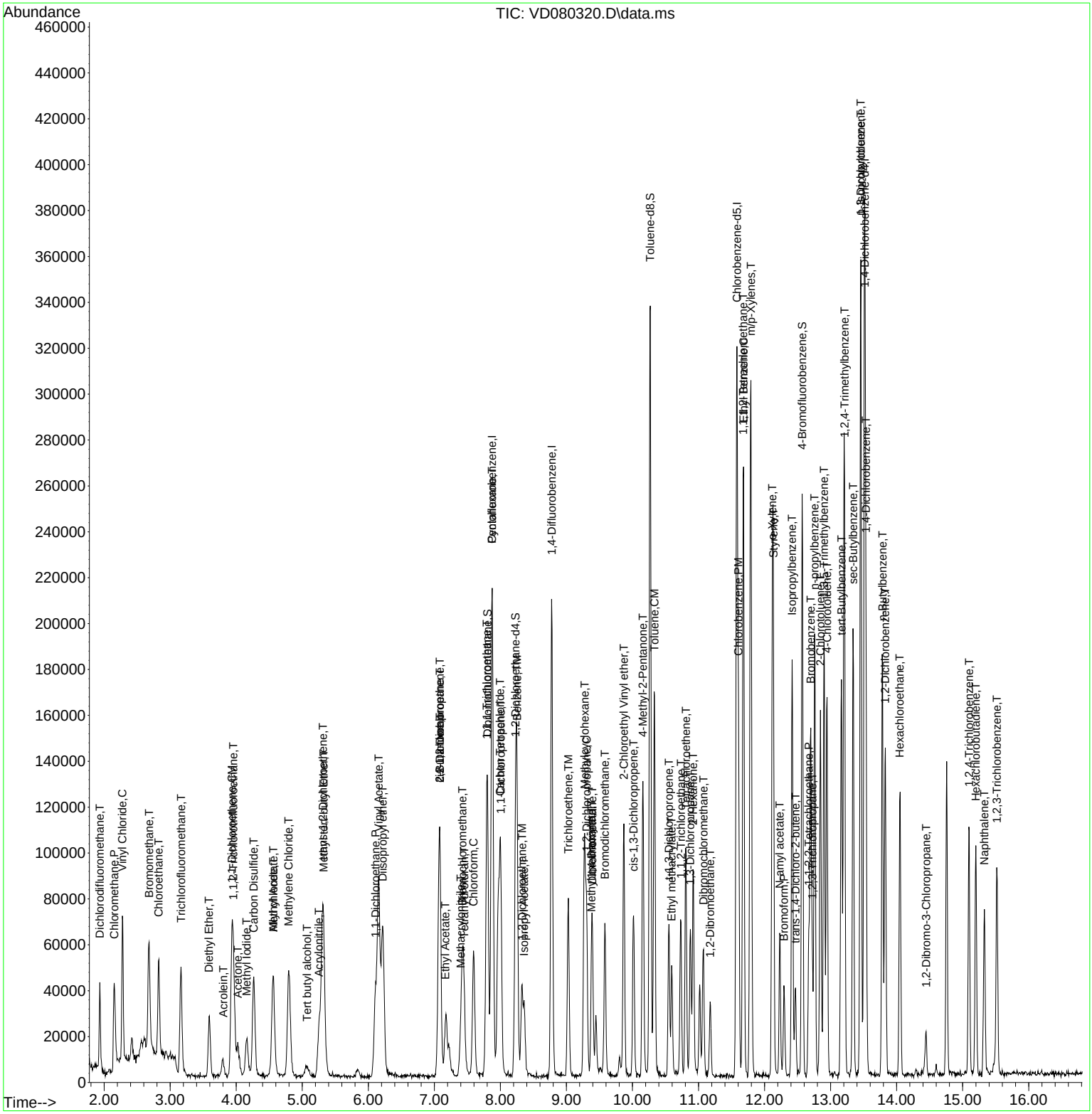
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051425\
Data File : VD080320.D
Acq On : 14 May 2025 13:57
Operator : RP/MD
Sample : VD0514SBSD01
Misc : 5.00G/5.0ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 15 03:34:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050625S.M
Quant Title : SW846 8260
QLast Update : Wed May 07 08:57:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_D
ClientSampleId :
VD0514SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2025
Supervised By :Semsettin Yesilyurt 05/15/2025



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

Manual Integration Report

Sequence:	VD050625	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VD080290.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC005	VD080290.D	Acetone	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC005	VD080290.D	Methyl methacrylate	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC005	VD080290.D	Vinyl Acetate	MMDadoda	5/7/2025 1:31:14 PM	Sam	5/7/2025 1:47:29 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Acetone	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Methacrylonitrile	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Methyl Acetate	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC010	VD080291.D	Methyl methacrylate	MMDadoda	5/7/2025 1:29:52 PM	Sam	5/7/2025 1:47:30 PM	Peak Integrated by Software
VSTDICC020	VD080292.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:53 PM	Sam	5/7/2025 1:47:32 PM	Peak Integrated by Software
VSTDICC020	VD080292.D	Methyl methacrylate	MMDadoda	5/7/2025 1:29:53 PM	Sam	5/7/2025 1:47:32 PM	Peak Integrated by Software
VSTDICCC050	VD080293.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:55 PM	Sam	5/7/2025 1:47:34 PM	Peak Integrated by Software
VSTDICC100	VD080294.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:57 PM	Sam	5/7/2025 1:47:36 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VD050625	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VD080295.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:29:58 PM	Sam	5/7/2025 1:47:38 PM	Peak Integrated by Software
VSTDICV050	VD080297.D	1,2,3-Trichloropropane	MMDadoda	5/7/2025 1:30:00 PM	Sam	5/7/2025 1:47:39 PM	Peak Integrated by Software
VSTDICV050	VD080297.D	Methacrylonitrile	MMDadoda	5/7/2025 1:30:00 PM	Sam	5/7/2025 1:47:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vd051425	Instrument	MSVOA_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VD080317.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:35 PM	Sam	5/15/2025 2:33:16 PM	Peak Integrated by Software
VD0514SBS01	VD080319.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:36 PM	Sam	5/15/2025 2:33:17 PM	Peak Integrated by Software
VD0514SBSD01	VD080320.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:38 PM	Sam	5/15/2025 2:33:19 PM	Peak Integrated by Software
VD0514SBSD01	VD080320.D	Tert butyl alcohol	MMDadoda	5/15/2025 2:31:38 PM	Sam	5/15/2025 2:33:19 PM	Peak Integrated by Software
VSTDCCC050	VD080336.D	1,2,3-Trichloropropane	MMDadoda	5/15/2025 2:31:41 PM	Sam	5/15/2025 2:33:22 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022253.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC005	VY022253.D	Methyl Acetate	MMDadoda	5/16/2025 11:48:35 AM	Sam	5/16/2025 11:50:51 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC010	VY022254.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:33 AM	Sam	5/16/2025 11:50:49 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICC020	VY022255.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:32 AM	Sam	5/16/2025 11:50:48 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICCC050	VY022256.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:30 AM	Sam	5/16/2025 11:50:46 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC100	VY022257.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:28 AM	Sam	5/16/2025 11:50:45 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software
VSTDICC150	VY022258.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:27 AM	Sam	5/16/2025 11:50:43 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VY022260.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDICV050	VY022260.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:25 AM	Sam	5/16/2025 11:50:42 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	1,2,3-Trichloropropane	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software
VSTDCCC050	VY022275.D	Methacrylonitrile	MMDadoda	5/16/2025 11:48:21 AM	Sam	5/16/2025 11:50:27 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY051625	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022277.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:38:54 PM	Sam	5/19/2025 2:44:19 PM	Peak Integrated by Software
VY0516SBS01	VY022279.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:38:56 PM	Sam	5/19/2025 2:44:20 PM	Peak Integrated by Software
VY0516SBS01	VY022279.D	Methacrylonitrile	MMDadoda	5/19/2025 2:38:56 PM	Sam	5/19/2025 2:44:20 PM	Peak Integrated by Software
VSTDCCC050	VY022301.D	1,2,3-Trichloropropane	MMDadoda	5/19/2025 2:39:03 PM	Sam	5/19/2025 2:44:28 PM	Peak Integrated by Software

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD050625

Review By	Mahesh Dadoda	Review On	5/7/2025 1:30:06 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/7/2025 1:47:48 PM				
SubDirectory	VD050625	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133815
Initial Calibration Stds	VP133816,VP133817,VP133818,VP133819,VP133820,VP133821
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133822
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080289.D	06 May 2025 09:57	RP/MD	Ok
2	VSTDICC005	VD080290.D	06 May 2025 13:33	RP/MD	Ok,M
3	VSTDICC010	VD080291.D	06 May 2025 13:55	RP/MD	Ok,M
4	VSTDICC020	VD080292.D	06 May 2025 14:23	RP/MD	Ok,M
5	VSTDICCC050	VD080293.D	06 May 2025 14:51	RP/MD	Ok,M
6	VSTDICC100	VD080294.D	06 May 2025 15:19	RP/MD	Ok,M
7	VSTDICC150	VD080295.D	06 May 2025 15:47	RP/MD	Ok,M
8	IBLK	VD080296.D	06 May 2025 16:15	RP/MD	Ok
9	VSTDICV050	VD080297.D	06 May 2025 16:43	RP/MD	Ok,M

M : Manual Integration

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 # VD051425

Review By	Mahesh Dadoda	Review On	5/15/2025 2:31:46 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/15/2025 2:33:28 PM				
SubDirectory	VD051425	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133913
Initial Calibration Stds	
CCC	VP133914,VP133915
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VD080316.D	14 May 2025 10:44	RP/MD	Ok
2	VSTDCCC050	VD080317.D	14 May 2025 12:25	RP/MD	Ok,M
3	VD0514SBL01	VD080318.D	14 May 2025 12:59	RP/MD	Ok
4	VD0514SBS01	VD080319.D	14 May 2025 13:29	RP/MD	Ok,M
5	VD0514SBSD01	VD080320.D	14 May 2025 13:57	RP/MD	Ok,M
6	Q2004-07	VD080321.D	14 May 2025 14:38	RP/MD	Ok
7	Q2004-11	VD080322.D	14 May 2025 15:07	RP/MD	Ok
8	Q2024-01	VD080323.D	14 May 2025 15:35	RP/MD	ReRun
9	Q2022-02	VD080324.D	14 May 2025 16:03	RP/MD	ReRun
10	Q2022-04	VD080325.D	14 May 2025 16:32	RP/MD	Ok
11	Q2017-03	VD080326.D	14 May 2025 17:00	RP/MD	Ok
12	Q2017-07	VD080327.D	14 May 2025 17:28	RP/MD	Ok
13	Q2019-03	VD080328.D	14 May 2025 17:55	RP/MD	Ok
14	Q2020-03	VD080329.D	14 May 2025 18:22	RP/MD	Ok
15	Q2010-01	VD080330.D	14 May 2025 18:50	RP/MD	Ok
16	Q2010-02	VD080331.D	14 May 2025 19:17	RP/MD	Ok
17	Q2010-03	VD080332.D	14 May 2025 19:43	RP/MD	Not Ok
18	Q2010-04	VD080333.D	14 May 2025 20:10	RP/MD	Not Ok
19	Q2043-01	VD080334.D	14 May 2025 20:37	RP/MD	ReRun
20	Q2043-03	VD080335.D	14 May 2025 21:04	RP/MD	Ok,M
21	VSTDCCC050	VD080336.D	14 May 2025 21:58	RP/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022252.D	15 May 2025 07:52	SY/MD	Ok
2	VSTDICC005	VY022253.D	15 May 2025 09:46	SY/MD	Ok,M
3	VSTDICC010	VY022254.D	15 May 2025 10:16	SY/MD	Ok,M
4	VSTDICC020	VY022255.D	15 May 2025 10:39	SY/MD	Ok,M
5	VSTDICCC050	VY022256.D	15 May 2025 11:02	SY/MD	Ok,M
6	VSTDICC100	VY022257.D	15 May 2025 11:24	SY/MD	Ok,M
7	VSTDICC150	VY022258.D	15 May 2025 11:47	SY/MD	Ok,M
8	VIBLK	VY022259.D	15 May 2025 12:34	SY/MD	Ok
9	VSTDICV050	VY022260.D	15 May 2025 13:20	SY/MD	Ok,M
10	VY0515SBL01	VY022261.D	15 May 2025 13:44	SY/MD	Ok
11	VY0515SBS01	VY022262.D	15 May 2025 14:07	SY/MD	Ok,M
12	VY0515SBSD01	VY022263.D	15 May 2025 14:29	SY/MD	Ok,M
13	Q1984-01	VY022264.D	15 May 2025 15:12	SY/MD	Ok
14	Q1984-03	VY022265.D	15 May 2025 15:35	SY/MD	Ok
15	Q1984-05	VY022266.D	15 May 2025 15:59	SY/MD	Ok
16	Q1984-07	VY022267.D	15 May 2025 16:22	SY/MD	ReRun
17	Q1984-09	VY022268.D	15 May 2025 16:46	SY/MD	Not Ok
18	Q1984-11	VY022269.D	15 May 2025 17:09	SY/MD	Not Ok
19	Q1984-13	VY022270.D	15 May 2025 17:33	SY/MD	Not Ok
20	Q1984-15	VY022271.D	15 May 2025 17:56	SY/MD	ReRun
21	Q1982-04	VY022272.D	15 May 2025 18:19	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM				
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1982-05	VY022273.D	15 May 2025 18:43	SY/MD	Ok
23	Q1982-06	VY022274.D	15 May 2025 19:06	SY/MD	Ok
24	VSTDCCC050	VY022275.D	15 May 2025 19:52	SY/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 # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM				
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y		HP Processing Method	82y051525s.m	

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022276.D	16 May 2025 07:54	SY/MD	Ok
2	VSTDCCC050	VY022277.D	16 May 2025 08:24	SY/MD	Ok,M
3	VY0516SBL01	VY022278.D	16 May 2025 09:37	SY/MD	Ok
4	VY0516SBS01	VY022279.D	16 May 2025 10:09	SY/MD	Ok,M
5	VY0516SBSD01	VY022280.D	16 May 2025 10:32	SY/MD	Ok,M
6	Q1984-07RE	VY022281.D	16 May 2025 11:17	SY/MD	Confirms
7	Q1984-09	VY022282.D	16 May 2025 11:41	SY/MD	Ok
8	Q1984-11	VY022283.D	16 May 2025 12:04	SY/MD	Ok
9	Q1984-13	VY022284.D	16 May 2025 12:29	SY/MD	Ok
10	Q1984-15RE	VY022285.D	16 May 2025 12:54	SY/MD	Not Ok
11	Q1982-01	VY022286.D	16 May 2025 13:17	SY/MD	Ok
12	Q1982-02	VY022287.D	16 May 2025 13:41	SY/MD	Ok
13	Q1982-03	VY022288.D	16 May 2025 14:04	SY/MD	Ok
14	Q1982-07	VY022289.D	16 May 2025 14:28	SY/MD	Ok
15	Q1982-08	VY022290.D	16 May 2025 14:51	SY/MD	Ok
16	Q2010-03	VY022291.D	16 May 2025 15:15	SY/MD	Ok
17	Q2010-04	VY022292.D	16 May 2025 15:38	SY/MD	Ok
18	Q2003-02	VY022293.D	16 May 2025 16:02	SY/MD	ReRun
19	Q2032-03	VY022294.D	16 May 2025 16:25	SY/MD	Ok
20	Q2032-04	VY022295.D	16 May 2025 16:48	SY/MD	Ok
21	Q2032-07	VY022296.D	16 May 2025 17:12	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM				
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM				
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2032-08	VY022297.D	16 May 2025 17:35	SY/MD	Ok
23	Q2032-02	VY022298.D	16 May 2025 17:59	SY/MD	Ok
24	Q2032-05MS	VY022299.D	16 May 2025 18:21	SY/MD	Not Ok
25	Q2032-06MSD	VY022300.D	16 May 2025 18:44	SY/MD	Not Ok
26	VSTDCCC050	VY022301.D	16 May 2025 19:29	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD050625

Review By	Mahesh Dadoda	Review On	5/7/2025 1:30:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/7/2025 1:47:48 PM		
SubDirectory	VD050625	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133815
Initial Calibration Stds	VP133816,VP133817,VP133818,VP133819,VP133820,VP133821
CCC	
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133822
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080289.D	06 May 2025 09:57		RP/MD	Ok
2	VSTDICC005	VSTDICC005	VD080290.D	06 May 2025 13:33	Comp.#2,3,20 are on Linear Regression	RP/MD	Ok,M
3	VSTDICC010	VSTDICC010	VD080291.D	06 May 2025 13:55	Comp.#16 is on Quadratic Regression	RP/MD	Ok,M
4	VSTDICC020	VSTDICC020	VD080292.D	06 May 2025 14:23		RP/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VD080293.D	06 May 2025 14:51		RP/MD	Ok,M
6	VSTDICC100	VSTDICC100	VD080294.D	06 May 2025 15:19		RP/MD	Ok,M
7	VSTDICC150	VSTDICC150	VD080295.D	06 May 2025 15:47		RP/MD	Ok,M
8	IBLK	IBLK	VD080296.D	06 May 2025 16:15		RP/MD	Ok
9	VSTDICV050	ICVVD050625	VD080297.D	06 May 2025 16:43		RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD051425

Review By	Mahesh Dadoda	Review On	5/15/2025 2:31:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/15/2025 2:33:28 PM		
SubDirectory	VD051425	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133913
Initial Calibration Stds	
CCC	VP133914,VP133915
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VD080316.D	14 May 2025 10:44		RP/MD	Ok
2	VSTDCCC050	VSTDCCC050	VD080317.D	14 May 2025 12:25		RP/MD	Ok,M
3	VD0514SBL01	VD0514SBL01	VD080318.D	14 May 2025 12:59		RP/MD	Ok
4	VD0514SBS01	VD0514SBS01	VD080319.D	14 May 2025 13:29		RP/MD	Ok,M
5	VD0514SBSD01	VD0514SBSD01	VD080320.D	14 May 2025 13:57		RP/MD	Ok,M
6	Q2004-07	205510	VD080321.D	14 May 2025 14:38	vial-B	RP/MD	Ok
7	Q2004-11	STONE-STOCK	VD080322.D	14 May 2025 15:07	vial-B	RP/MD	Ok
8	Q2024-01	PL-02-051325	VD080323.D	14 May 2025 15:35	vial-A Surrogate Fail	RP/MD	ReRun
9	Q2022-02	COMP-1	VD080324.D	14 May 2025 16:03	vial-A Internal Standard Fail; Surrogate Fail	RP/MD	ReRun
10	Q2022-04	COMP-2	VD080325.D	14 May 2025 16:32	vial-A	RP/MD	Ok
11	Q2017-03	MH-I-VOC	VD080326.D	14 May 2025 17:00	vial-A	RP/MD	Ok
12	Q2017-07	MH-J-VOC	VD080327.D	14 May 2025 17:28	vial-A	RP/MD	Ok
13	Q2019-03	MH-K-VOC	VD080328.D	14 May 2025 17:55	vial-A	RP/MD	Ok
14	Q2020-03	TP-A-VOC	VD080329.D	14 May 2025 18:22	vial-A	RP/MD	Ok
15	Q2010-01	TP-10	VD080330.D	14 May 2025 18:50	vial-A	RP/MD	Ok
16	Q2010-02	TP-13	VD080331.D	14 May 2025 19:17	vial-A	RP/MD	Ok
17	Q2010-03	TP-14	VD080332.D	14 May 2025 19:43	vial-A CCC Failed High For com.#16	RP/MD	Not Ok

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Instrument ID: MSVOA_D

Daily Analysis Runlog For Sequence/QCBatch ID # VD051425

Review By	Mahesh Dadoda	Review On	5/15/2025 2:31:46 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/15/2025 2:33:28 PM		
SubDirectory	VD051425	HP Acquire Method	MSVOA_D	HP Processing Method	82d050625s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133913
Initial Calibration Stds	
CCC	VP133914,VP133915
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2010-04	TP-17	VD080333.D	14 May 2025 20:10	vial-A CCC Failed High For com.#16	RP/MD	Not Ok
19	Q2043-01	281	VD080334.D	14 May 2025 20:37	vial-A Internal Standard Fail; Surrogate Fail	RP/MD	ReRun
20	Q2043-03	72-12000	VD080335.D	14 May 2025 21:04	vial-A	RP/MD	Ok,M
21	VSTDCCC050	VSTDCCC050EC	VD080336.D	14 May 2025 21:58		RP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022252.D	15 May 2025 07:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022253.D	15 May 2025 09:46		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022254.D	15 May 2025 10:16		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022255.D	15 May 2025 10:39		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022256.D	15 May 2025 11:02		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022257.D	15 May 2025 11:24		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022258.D	15 May 2025 11:47		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022259.D	15 May 2025 12:34		SY/MD	Ok
9	VSTDICV050	ICVVY051525	VY022260.D	15 May 2025 13:20		SY/MD	Ok,M
10	VY0515SBL01	VY0515SBL01	VY022261.D	15 May 2025 13:44		SY/MD	Ok
11	VY0515SBS01	VY0515SBS01	VY022262.D	15 May 2025 14:07		SY/MD	Ok,M
12	VY0515SBSD01	VY0515SBSD01	VY022263.D	15 May 2025 14:29		SY/MD	Ok,M
13	Q1984-01	OU4-PCS-TC-33-05072	VY022264.D	15 May 2025 15:12	vial-A	SY/MD	Ok
14	Q1984-03	OU4-PCS-TC-34-05072	VY022265.D	15 May 2025 15:35	vial-A	SY/MD	Ok
15	Q1984-05	OU4-PCS-TC-35-05072	VY022266.D	15 May 2025 15:59	vial-A	SY/MD	Ok
16	Q1984-07	OU4-TS-24-050725	VY022267.D	15 May 2025 16:22	vial-A Surrogate fail	SY/MD	ReRun
17	Q1984-09	OU4-TS-25-050725	VY022268.D	15 May 2025 16:46	vial-A Surrogate fail	SY/MD	Not Ok
18	Q1984-11	OU4-TS-26-050725	VY022269.D	15 May 2025 17:09	vial-A Surrogate fail	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051525

Review By	Mahesh Dadoda	Review On	5/16/2025 11:49:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	5/16/2025 11:51:38 AM		
SubDirectory	VY051525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133916
Initial Calibration Stds	VP133918,VP133919,VP133920,VP133921,VP133922,VP133923
CCC	VP133925
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133924
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1984-13	OU4-TS-27-050725	VY022270.D	15 May 2025 17:33	vial-A Surrogate fail	SY/MD	Not Ok
20	Q1984-15	OU4-TS-28-050725	VY022271.D	15 May 2025 17:56	vial-A Surrogate fail	SY/MD	ReRun
21	Q1982-04	TP-4	VY022272.D	15 May 2025 18:19	vial-A	SY/MD	Ok
22	Q1982-05	TP-5	VY022273.D	15 May 2025 18:43	vial-A	SY/MD	Ok
23	Q1982-06	TP-6	VY022274.D	15 May 2025 19:06	vial-A	SY/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY022275.D	15 May 2025 19:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022276.D	16 May 2025 07:54		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022277.D	16 May 2025 08:24		SY/MD	Ok,M
3	VY0516SBL01	VY0516SBL01	VY022278.D	16 May 2025 09:37		SY/MD	Ok
4	VY0516SBS01	VY0516SBS01	VY022279.D	16 May 2025 10:09		SY/MD	Ok,M
5	VY0516SBSD01	VY0516SBSD01	VY022280.D	16 May 2025 10:32		SY/MD	Ok,M
6	Q1984-07RE	OU4-TS-24-050725RE	VY022281.D	16 May 2025 11:17	vial-B Surrogate fail	SY/MD	Confirms
7	Q1984-09	OU4-TS-25-050725	VY022282.D	16 May 2025 11:41	vial-B	SY/MD	Ok
8	Q1984-11	OU4-TS-26-050725	VY022283.D	16 May 2025 12:04	vial-B	SY/MD	Ok
9	Q1984-13	OU4-TS-27-050725	VY022284.D	16 May 2025 12:29	vial-B	SY/MD	Ok
10	Q1984-15RE	OU4-TS-28-050725RE	VY022285.D	16 May 2025 12:54	vial-B Surrogate fail;Not match for com.#16	SY/MD	Not Ok
11	Q1982-01	TP-1	VY022286.D	16 May 2025 13:17	vial-B	SY/MD	Ok
12	Q1982-02	TP-2B	VY022287.D	16 May 2025 13:41	vial-B	SY/MD	Ok
13	Q1982-03	TP-3	VY022288.D	16 May 2025 14:04	Vial A	SY/MD	Ok
14	Q1982-07	TP-8	VY022289.D	16 May 2025 14:28	Vial A	SY/MD	Ok
15	Q1982-08	TP-9	VY022290.D	16 May 2025 14:51	Vial A	SY/MD	Ok
16	Q2010-03	TP-14	VY022291.D	16 May 2025 15:15	vial-B	SY/MD	Ok
17	Q2010-04	TP-17	VY022292.D	16 May 2025 15:38	vial-B	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY051625

Review By	Amit Patel	Review On	5/19/2025 1:35:43 PM		
Supervise By	Mahesh Dadoda	Supervise On	5/19/2025 2:39:18 PM		
SubDirectory	VY051625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y051525s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133936
Initial Calibration Stds	
CCC	VP133942,VP133943
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2003-02	VOC	VY022293.D	16 May 2025 16:02	vial-A Internal standard fail	SY/MD	ReRun
19	Q2032-03	TP-29-99	VY022294.D	16 May 2025 16:25	vial-A	SY/MD	Ok
20	Q2032-04	TP-24	VY022295.D	16 May 2025 16:48	vial-A	SY/MD	Ok
21	Q2032-07	TP-37	VY022296.D	16 May 2025 17:12	vial-A	SY/MD	Ok
22	Q2032-08	TP-32	VY022297.D	16 May 2025 17:35	vial-A	SY/MD	Ok
23	Q2032-02	TP-29	VY022298.D	16 May 2025 17:59	vial-A	SY/MD	Ok
24	Q2032-05MS	TP-24MS	VY022299.D	16 May 2025 18:21	vial-A Internal standard fail;Recovery Fail	SY/MD	Not Ok
25	Q2032-06MSD	TP-24MSD	VY022300.D	16 May 2025 18:44	vial-A Internal standard fail;Surrogate fail	SY/MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VY022301.D	16 May 2025 19:29		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2010	**OrderDate:**	5/9/2025 4:00:00 PM
Client:	CDM Smith	**Project:**	South River WM Replacement
Contact:	Marcie Ann Encinas	**Location:**	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	**TP-10**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/14/25	
Q2010-02	**TP-13**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/14/25	
Q2010-03	**TP-14**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/16/25	
Q2010-04	**TP-17**	**SOIL**			**05/08/25**			**05/09/25**
			VOC-TCLVOA-10	8260D			05/16/25	