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

Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration		C	MDL	RDL	Units
Client ID:	**P5**									
Q1675-05	P5	SOIL	Decahydro-1,1,4a,5,6-pentamet	*	28.9		J	0	0	ug/Kg
			Total Tics :			28.9				
			Total Concentration:			28.9				
Client ID:	**T1**									
Q1675-07	T1	SOIL	unknown1.812	*	18.3		J	0	0	ug/Kg
Q1675-07	T1	SOIL	unknown15.511	*	27.1		J	0	0	ug/Kg
Q1675-07	T1	SOIL	Naphthalene, decahydro-2,3-di	*	19.3		J	0	0	ug/Kg
Q1675-07	T1	SOIL	Undecane, 3,6-dimethyl-	*	40.9		J	0	0	ug/Kg
Q1675-07	T1	SOIL	1H-Indene, octahydro-2,2,4,4,7	*	37.7		J	0	0	ug/Kg
Q1675-07	T1	SOIL	Sulfurous acid, hexyl 2-pentyl e	*	16.4		J	0	0	ug/Kg
Q1675-07	T1	SOIL	Carbonic acid, tetradecyl vinyl	*	26.8		J	0	0	ug/Kg
Q1675-07	T1	SOIL	Carbonic acid, 2-ethylhexyl unc	*	31.1		J	0	0	ug/Kg
Q1675-07	T1	SOIL	Nonyl tetradecyl ether	*	13.4		J	0	0	ug/Kg
			Total Tics :			231				
			Total Concentration:			231				
Client ID:	**T2**									
Q1675-08	T2	SOIL	Acetone		15.8			2.10	10.9	ug/Kg
			Total Voc :			15.8				
Q1675-08	T2	SOIL	unknown12.652	*	27.7		J	0	0	ug/Kg
Q1675-08	T2	SOIL	unknown14.651	*	40.0		J	0	0	ug/Kg
Q1675-08	T2	SOIL	unknown15.352	*	22.1		J	0	0	ug/Kg
Q1675-08	T2	SOIL	unknown15.511	*	33.0		J	0	0	ug/Kg
Q1675-08	T2	SOIL	Pentane, 2,4-dimethyl-	*	27.8		J	0	0	ug/Kg
Q1675-08	T2	SOIL	Naphthalene, decahydro-, trans	*	46.1		J	0	0	ug/Kg
Q1675-08	T2	SOIL	Pentane, 2,3,3-trimethyl-	*	100		J	0	0	ug/Kg
Q1675-08	T2	SOIL	Pentane, 2,3,4-trimethyl-	*	72.1		J	0	0	ug/Kg
Q1675-08	T2	SOIL	Hexane, 2,2-dimethyl-	*	110		J	0	0	ug/Kg
Q1675-08	T2	SOIL	Octane, 2,6-dimethyl-	*	51.9		J	0	0	ug/Kg
Q1675-08	T2	SOIL	1-Methyldecahydronaphthalene	*	37.4		J	0	0	ug/Kg
Q1675-08	T2	SOIL	Naphthalene, decahydro-2-metl	*	56.3		J	0	0	ug/Kg
Q1675-08	T2	SOIL	Dodecane, 2,6,10-trimethyl-	*	33.8		J	0	0	ug/Kg
Q1675-08	T2	SOIL	Cyclohexane, 1,1,2,3-tetrameth	*	25.1		J	0	0	ug/Kg
Q1675-08	T2	SOIL	Decahydro-1,1,4a,5,6-pentamet	*	31.6		J	0	0	ug/Kg
			Total Tics :			715				
			Total Concentration:			731				
Client ID:	**T3**									
Q1675-09	T3	SOIL	Acetone		12.1		J	3.50	18.6	ug/Kg

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q1675

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Voc :		12.1				
			Total Concentration:		12.1				
Client ID:	**T4**								
Q1675-10	T4	SOIL	Acetone		11.2	J	3.60	19.0	ug/Kg
			Total Voc :		11.2				
			Total Concentration:		11.2				
Client ID:	**T5**								
Q1675-11	T5	SOIL	Acetone		14.5	J	3.60	18.7	ug/Kg
			Total Voc :		14.5				
Q1675-11	T5	SOIL	Hexadecane	*	54.2	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Pentane, 2,3,3-trimethyl-	*	56.5	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Pentane, 2,3,4-trimethyl-	*	67.2	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,2-dimethyl-	*	96.9	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,5-dimethyl-	*	16.0	J	0	0	ug/Kg
Q1675-11	T5	SOIL	1-Hexanol, 5-methyl-2-(1-meth	*	16.5	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,2,5-trimethyl-	*	21.5	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Heptane, 3,3,5-trimethyl-	*	7.90	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Octane, 2,2-dimethyl-	*	8.10	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Octane, 3,6-dimethyl-	*	8.90	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Hexane, 2,2,3-trimethyl-	*	59.1	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Decane, 2,2-dimethyl-	*	10.9	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Octane, 2,4,6-trimethyl-	*	13.6	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Decane, 2,2,9-trimethyl-	*	19.0	J	0	0	ug/Kg
Q1675-11	T5	SOIL	Dodecane, 2,2,11,11-tetrameth	*	28.9	J	0	0	ug/Kg
			Total Tics :		485				
			Total Concentration:		500				
Client ID:	**T6**								
Q1675-12	T6	SOIL	Acetone		16.9	J	3.50	18.6	ug/Kg
			Total Voc :		16.9				
Q1675-12	T6	SOIL	Pentane, 2,3,3-trimethyl-	*	6.70	J	0	0	ug/Kg
Q1675-12	T6	SOIL	Pentane, 2,3,4-trimethyl-	*	4.50	J	0	0	ug/Kg
Q1675-12	T6	SOIL	Hexane, 2,2-dimethyl-	*	7.90	J	0	0	ug/Kg
			Total Tics :		19.1				
			Total Concentration:		36.0				

SAMPLE DATA

Raw Data: **VY021718.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P1	SDG No.:	Q1675
Lab Sample ID:	Q1675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	5.13 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
VY021718.D	1		03/31/25 14:38	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.80	U	0.80	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.10	ug/Kg
67-64-1	Acetone	4.80	U	4.80	25.4	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	3.60	U	3.60	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.87	U	0.87	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.81	U	0.81	5.10	ug/Kg
110-82-7	Cyclohexane	0.80	U	0.80	5.10	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	25.4	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.76	U	0.76	5.10	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	0.85	U	0.85	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.93	U	0.93	5.10	ug/Kg
71-43-2	Benzene	0.80	U	0.80	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.80	U	0.80	5.10	ug/Kg
79-01-6	Trichloroethene	0.82	U	0.82	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.93	U	0.93	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.79	U	0.79	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.4	ug/Kg
108-88-3	Toluene	0.79	U	0.79	5.10	ug/Kg

Raw Data: **VY021718.D**

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

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P1	SDG No.:	Q1675
Lab Sample ID:	Q1675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	5.13 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
VY021718.D	1		03/31/25 14:38	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.94	5.10	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.4	ug/Kg
124-48-1	Dibromochloromethane	0.89	U	0.89	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.2	ug/Kg
95-47-6	o-Xylene	0.83	U	0.83	5.10	ug/Kg
100-42-5	Styrene	0.72	U	0.72	5.10	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.79	U	0.79	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (38) - 130 (136)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	225000	7.713			
540-36-3	1,4-Difluorobenzene	422000	8.615			
3114-55-4	Chlorobenzene-d5	384000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	152000	13.346			

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

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P1	SDG No.:	Q1675
Lab Sample ID:	Q1675-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95.8
Sample Wt/Vol:	5.13 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
VY021718.D	1		03/31/25 14:38	VY033125

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: **VY021719.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P5	SDG No.:	Q1675
Lab Sample ID:	Q1675-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	4.91 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
VY021719.D	1		03/31/25 15:01	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.30	U	1.30	5.50	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.50	ug/Kg
75-01-4	Vinyl Chloride	0.87	U	0.87	5.50	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.50	ug/Kg
75-00-3	Chloroethane	1.40	U	1.40	5.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	U	1.30	5.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.50	ug/Kg
75-35-4	1,1-Dichloroethene	1.10	U	1.10	5.50	ug/Kg
67-64-1	Acetone	5.20	U	5.20	27.6	ug/Kg
75-15-0	Carbon Disulfide	1.20	U	1.20	5.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.81	U	0.81	5.50	ug/Kg
79-20-9	Methyl Acetate	1.70	U	1.70	5.50	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.1	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.95	U	0.95	5.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.88	U	0.88	5.50	ug/Kg
110-82-7	Cyclohexane	0.87	U	0.87	5.50	ug/Kg
78-93-3	2-Butanone	7.20	U	7.20	27.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.10	U	1.10	5.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.83	U	0.83	5.50	ug/Kg
74-97-5	Bromochloromethane	1.30	U	1.30	5.50	ug/Kg
67-66-3	Chloroform	0.93	U	0.93	5.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.50	ug/Kg
71-43-2	Benzene	0.87	U	0.87	5.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.87	U	0.87	5.50	ug/Kg
79-01-6	Trichloroethene	0.90	U	0.90	5.50	ug/Kg
78-87-5	1,2-Dichloropropane	1.00	U	1.00	5.50	ug/Kg
75-27-4	Bromodichloromethane	0.86	U	0.86	5.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.00	U	4.00	27.6	ug/Kg
108-88-3	Toluene	0.86	U	0.86	5.50	ug/Kg

Raw Data: **VY021719.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P5	SDG No.:	Q1675
Lab Sample ID:	Q1675-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	4.91 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
VY021719.D	1		03/31/25 15:01	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.72	U	0.72	5.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.69	U	0.69	5.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.00	U	1.00	5.50	ug/Kg
591-78-6	2-Hexanone	4.10	U	4.10	27.6	ug/Kg
124-48-1	Dibromochloromethane	0.96	U	0.96	5.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.97	U	0.97	5.50	ug/Kg
127-18-4	Tetrachloroethene	1.20	U	1.20	5.50	ug/Kg
108-90-7	Chlorobenzene	1.00	U	1.00	5.50	ug/Kg
100-41-4	Ethyl Benzene	0.74	U	0.74	5.50	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	11.1	ug/Kg
95-47-6	o-Xylene	0.91	U	0.91	5.50	ug/Kg
100-42-5	Styrene	0.79	U	0.79	5.50	ug/Kg
75-25-2	Bromoform	0.95	U	0.95	5.50	ug/Kg
98-82-8	Isopropylbenzene	0.86	U	0.86	5.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.90	U	1.90	5.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.70	U	1.70	5.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.60	U	1.60	5.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.00	U	2.00	5.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.30	U	3.30	5.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.50	U	3.50	5.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.9		70 (38) - 130 (136)	76%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	7.707			
540-36-3	1,4-Difluorobenzene	416000	8.616			
3114-55-4	Chlorobenzene-d5	351000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	108000	13.347			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY021719.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P5	SDG No.:	Q1675
Lab Sample ID:	Q1675-05	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.1
Sample Wt/Vol:	4.91 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
VY021719.D	1		03/31/25 15:01	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	28.9	J		16.6	ug/Kg

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

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

Raw Data: **VY021720.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P6	SDG No.:	Q1675
Lab Sample ID:	Q1675-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	4.17 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
VY021720.D	1		03/31/25 15:25	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.30	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.30	ug/Kg
75-01-4	Vinyl Chloride	1.00	U	1.00	6.30	ug/Kg
74-83-9	Bromomethane	1.40	U	1.40	6.30	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	6.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.50	U	1.50	6.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.30	ug/Kg
75-35-4	1,1-Dichloroethene	1.30	U	1.30	6.30	ug/Kg
67-64-1	Acetone	6.00	U	6.00	31.6	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	6.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.92	U	0.92	6.30	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.30	ug/Kg
75-09-2	Methylene Chloride	4.50	U	4.50	12.6	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.30	ug/Kg
75-34-3	1,1-Dichloroethane	1.00	U	1.00	6.30	ug/Kg
110-82-7	Cyclohexane	1.00	U	1.00	6.30	ug/Kg
78-93-3	2-Butanone	8.30	U	8.30	31.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	6.30	ug/Kg
74-97-5	Bromochloromethane	1.50	U	1.50	6.30	ug/Kg
67-66-3	Chloroform	1.10	U	1.10	6.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.30	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.30	ug/Kg
71-43-2	Benzene	1.00	U	1.00	6.30	ug/Kg
107-06-2	1,2-Dichloroethane	1.00	U	1.00	6.30	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.30	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.30	ug/Kg
75-27-4	Bromodichloromethane	0.98	U	0.98	6.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	31.6	ug/Kg
108-88-3	Toluene	0.98	U	0.98	6.30	ug/Kg

Raw Data: **VY021720.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P6	SDG No.:	Q1675
Lab Sample ID:	Q1675-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	4.17 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
VY021720.D	1		03/31/25 15:25	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.82	U	0.82	6.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.78	U	0.78	6.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.20	U	1.20	6.30	ug/Kg
591-78-6	2-Hexanone	4.70	U	4.70	31.6	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.30	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.30	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.30	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.30	ug/Kg
100-41-4	Ethyl Benzene	0.85	U	0.85	6.30	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	12.6	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.30	ug/Kg
100-42-5	Styrene	0.90	U	0.90	6.30	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.30	ug/Kg
98-82-8	Isopropylbenzene	0.98	U	0.98	6.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.20	U	2.20	6.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	2.00	U	2.00	6.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	4.00	6.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		70 (38) - 130 (136)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	224000	7.707			
540-36-3	1,4-Difluorobenzene	431000	8.615			
3114-55-4	Chlorobenzene-d5	422000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	189000	13.346			

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

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	P6	SDG No.:	Q1675
Lab Sample ID:	Q1675-06	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	95
Sample Wt/Vol:	4.17 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
VY021720.D	1		03/31/25 15:25	VY033125

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: **VY021721.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T1	SDG No.:	Q1675
Lab Sample ID:	Q1675-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	2.16 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
VY021721.D	1		03/31/25 15:48	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.80	U	2.80	12.5	ug/Kg
74-87-3	Chloromethane	2.80	U	2.80	12.5	ug/Kg
75-01-4	Vinyl Chloride	2.00	U	2.00	12.5	ug/Kg
74-83-9	Bromomethane	2.70	U	2.70	12.5	ug/Kg
75-00-3	Chloroethane	3.10	U	3.10	12.5	ug/Kg
75-69-4	Trichlorofluoromethane	3.00	U	3.00	12.5	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.60	U	2.60	12.5	ug/Kg
75-35-4	1,1-Dichloroethene	2.50	U	2.50	12.5	ug/Kg
67-64-1	Acetone	11.8	U	11.8	62.4	ug/Kg
75-15-0	Carbon Disulfide	2.60	U	2.60	12.5	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1.80	U	1.80	12.5	ug/Kg
79-20-9	Methyl Acetate	3.80	U	3.80	12.5	ug/Kg
75-09-2	Methylene Chloride	8.80	U	8.80	24.9	ug/Kg
156-60-5	trans-1,2-Dichloroethene	2.10	U	2.10	12.5	ug/Kg
75-34-3	1,1-Dichloroethane	2.00	U	2.00	12.5	ug/Kg
110-82-7	Cyclohexane	2.00	U	2.00	12.5	ug/Kg
78-93-3	2-Butanone	16.3	U	16.3	62.4	ug/Kg
56-23-5	Carbon Tetrachloride	2.40	U	2.40	12.5	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1.90	U	1.90	12.5	ug/Kg
74-97-5	Bromochloromethane	2.90	U	2.90	12.5	ug/Kg
67-66-3	Chloroform	2.10	U	2.10	12.5	ug/Kg
71-55-6	1,1,1-Trichloroethane	2.30	U	2.30	12.5	ug/Kg
108-87-2	Methylcyclohexane	2.30	U	2.30	12.5	ug/Kg
71-43-2	Benzene	2.00	U	2.00	12.5	ug/Kg
107-06-2	1,2-Dichloroethane	2.00	U	2.00	12.5	ug/Kg
79-01-6	Trichloroethene	2.00	U	2.00	12.5	ug/Kg
78-87-5	1,2-Dichloropropane	2.30	U	2.30	12.5	ug/Kg
75-27-4	Bromodichloromethane	1.90	U	1.90	12.5	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8.90	U	8.90	62.4	ug/Kg
108-88-3	Toluene	1.90	U	1.90	12.5	ug/Kg

Raw Data: **VY021721.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T1	SDG No.:	Q1675
Lab Sample ID:	Q1675-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	2.16 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
VY021721.D	1		03/31/25 15:48	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1.60	U	1.60	12.5	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1.50	U	1.50	12.5	ug/Kg
79-00-5	1,1,2-Trichloroethane	2.30	U	2.30	12.5	ug/Kg
591-78-6	2-Hexanone	9.20	U	9.20	62.4	ug/Kg
124-48-1	Dibromochloromethane	2.20	U	2.20	12.5	ug/Kg
106-93-4	1,2-Dibromoethane	2.20	U	2.20	12.5	ug/Kg
127-18-4	Tetrachloroethene	2.60	U	2.60	12.5	ug/Kg
108-90-7	Chlorobenzene	2.30	U	2.30	12.5	ug/Kg
100-41-4	Ethyl Benzene	1.70	U	1.70	12.5	ug/Kg
179601-23-1	m/p-Xylenes	3.10	U	3.10	24.9	ug/Kg
95-47-6	o-Xylene	2.00	U	2.00	12.5	ug/Kg
100-42-5	Styrene	1.80	U	1.80	12.5	ug/Kg
75-25-2	Bromoform	2.10	U	2.10	12.5	ug/Kg
98-82-8	Isopropylbenzene	1.90	U	1.90	12.5	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	12.5	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.30	U	4.30	12.5	ug/Kg
106-46-7	1,4-Dichlorobenzene	3.90	U	3.90	12.5	ug/Kg
95-50-1	1,2-Dichlorobenzene	3.60	U	3.60	12.5	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.60	U	4.60	12.5	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	7.40	U	7.40	12.5	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	7.90	U	7.90	12.5	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.2		70 (63) - 130 (155)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		70 (38) - 130 (136)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	7.707			
540-36-3	1,4-Difluorobenzene	454000	8.616			
3114-55-4	Chlorobenzene-d5	421000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T1	SDG No.:	Q1675
Lab Sample ID:	Q1675-07	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.8
Sample Wt/Vol:	2.16 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
VY021721.D	1		03/31/25 15:48	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
	unknown1.812	18.3	J		1.81	ug/Kg
1000382-54-5	Carbonic acid, tetradecyl vinyl es	26.8	J		13.2	ug/Kg
017301-28-9	Undecane, 3,6-dimethyl-	40.9	J		13.4	ug/Kg
1000309-15-6	Sulfurous acid, hexyl 2-pentyl est	16.4	J		13.6	ug/Kg
1000383-13-8	Carbonic acid, 2-ethylhexyl undecy	31.1	J		14.3	ug/Kg
001008-80-6	Naphthalene, decahydro-2,3-dimethy	19.3	J		14.8	ug/Kg
1000406-37-6	Nonyl tetradecyl ether	13.4	J		15.1	ug/Kg
	unknown15.511	27.1	J		15.5	ug/Kg
054832-83-6	1H-Indene, octahydro-2,2,4,4,7,7-h	37.7	J		16.6	ug/Kg

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

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

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

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T2	SDG No.:	Q1675
Lab Sample ID:	Q1675-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.4
Sample Wt/Vol:	14.26 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
VY021722.D	1		03/31/25 16:11	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.50	U	0.50	2.20	ug/Kg
74-87-3	Chloromethane	0.50	U	0.50	2.20	ug/Kg
75-01-4	Vinyl Chloride	0.34	U	0.34	2.20	ug/Kg
74-83-9	Bromomethane	0.47	U	0.47	2.20	ug/Kg
75-00-3	Chloroethane	0.55	U	0.55	2.20	ug/Kg
75-69-4	Trichlorofluoromethane	0.53	U	0.53	2.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.46	U	0.46	2.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.44	U	0.44	2.20	ug/Kg
67-64-1	Acetone	15.8		2.10	10.9	ug/Kg
75-15-0	Carbon Disulfide	0.46	U	0.46	2.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.32	U	0.32	2.20	ug/Kg
79-20-9	Methyl Acetate	0.67	U	0.67	2.20	ug/Kg
75-09-2	Methylene Chloride	1.50	U	1.50	4.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.38	U	0.38	2.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.35	U	0.35	2.20	ug/Kg
110-82-7	Cyclohexane	0.34	U	0.34	2.20	ug/Kg
78-93-3	2-Butanone	2.90	U	2.90	10.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.42	U	0.42	2.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.33	U	0.33	2.20	ug/Kg
74-97-5	Bromochloromethane	0.50	U	0.50	2.20	ug/Kg
67-66-3	Chloroform	0.37	U	0.37	2.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.41	U	0.41	2.20	ug/Kg
108-87-2	Methylcyclohexane	0.40	U	0.40	2.20	ug/Kg
71-43-2	Benzene	0.34	U	0.34	2.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.34	U	0.34	2.20	ug/Kg
79-01-6	Trichloroethene	0.35	U	0.35	2.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.40	U	0.40	2.20	ug/Kg
75-27-4	Bromodichloromethane	0.34	U	0.34	2.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1.60	U	1.60	10.9	ug/Kg
108-88-3	Toluene	0.34	U	0.34	2.20	ug/Kg

Raw Data: **VY021722.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T2	SDG No.:	Q1675
Lab Sample ID:	Q1675-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.4
Sample Wt/Vol:	14.26 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
VY021722.D	1		03/31/25 16:11	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.28	U	0.28	2.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.27	U	0.27	2.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.40	U	0.40	2.20	ug/Kg
591-78-6	2-Hexanone	1.60	U	1.60	10.9	ug/Kg
124-48-1	Dibromochloromethane	0.38	U	0.38	2.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.38	U	0.38	2.20	ug/Kg
127-18-4	Tetrachloroethene	0.46	U	0.46	2.20	ug/Kg
108-90-7	Chlorobenzene	0.40	U	0.40	2.20	ug/Kg
100-41-4	Ethyl Benzene	0.29	U	0.29	2.20	ug/Kg
179601-23-1	m/p-Xylenes	0.54	U	0.54	4.40	ug/Kg
95-47-6	o-Xylene	0.36	U	0.36	2.20	ug/Kg
100-42-5	Styrene	0.31	U	0.31	2.20	ug/Kg
75-25-2	Bromoform	0.38	U	0.38	2.20	ug/Kg
98-82-8	Isopropylbenzene	0.34	U	0.34	2.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.53	U	0.53	2.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.75	U	0.75	2.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.68	U	0.68	2.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.63	U	0.63	2.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.80	U	0.80	2.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1.30	U	1.30	2.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1.40	U	1.40	2.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.5		70 (63) - 130 (155)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	51.4		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	65.0		70 (38) - 130 (136)	130%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.707			
540-36-3	1,4-Difluorobenzene	508000	8.609			
3114-55-4	Chlorobenzene-d5	512000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T2	SDG No.:	Q1675
Lab Sample ID:	Q1675-08	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	80.4
Sample Wt/Vol:	14.26 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
VY021722.D	1		03/31/25 16:11	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000108-08-7	Pentane, 2,4-dimethyl-	27.8	J		6.59	ug/Kg
000590-73-8	Hexane, 2,2-dimethyl-	110	J		8.24	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	72.1	J		9.54	ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	100	J		9.67	ug/Kg
006783-92-2	Cyclohexane, 1,1,2,3-tetramethyl-	25.1	J		12.6	ug/Kg
	unknown12.652	27.7	J		12.7	ug/Kg
000493-02-7	Naphthalene, decahydro-, trans-	46.1	J		13.7	ug/Kg
002958-76-1	Naphthalene, decahydro-2-methyl-	56.3	J		14.2	ug/Kg
002958-75-0	1-Methyldecahydronaphthalene	37.4	J		14.3	ug/Kg
	unknown14.651	40.0	J		14.7	ug/Kg
002051-30-1	Octane, 2,6-dimethyl-	51.9	J		15.1	ug/Kg
	unknown15.352	22.1	J		15.4	ug/Kg
	unknown15.511	33.0	J		15.5	ug/Kg
003891-98-3	Dodecane, 2,6,10-trimethyl-	33.8	J		16.0	ug/Kg
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	31.6	J		16.6	ug/Kg

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

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

Raw Data: **VY021737.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T3	SDG No.:	Q1675
Lab Sample ID:	Q1675-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.4
Sample Wt/Vol:	8.15 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
VY021737.D	1		04/01/25 13:22	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.80	U	0.80	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	12.1	J	3.50	18.6	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	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	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.86	U	0.86	3.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.6	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

Raw Data: **VY021737.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T3	SDG No.:	Q1675
Lab Sample ID:	Q1675-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.4
Sample Wt/Vol:	8.15 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
VY021737.D	1		04/01/25 13:22	VY040125

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	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.6	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	7.40	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	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	1.20	U	1.20	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	1.40	U	1.40	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	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.2		70 (63) - 130 (155)	120%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		70 (70) - 130 (134)	106%	SPK: 50
2037-26-5	Toluene-d8	50.2		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (38) - 130 (136)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	259000	7.707			
540-36-3	1,4-Difluorobenzene	489000	8.616			
3114-55-4	Chlorobenzene-d5	463000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	201000	13.347			

Raw Data: **VY021737.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T3	SDG No.:	Q1675
Lab Sample ID:	Q1675-09	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	82.4
Sample Wt/Vol:	8.15 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
VY021737.D	1		04/01/25 13:22	VY040125

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: **VY021724.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T4	SDG No.:	Q1675
Lab Sample ID:	Q1675-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.7
Sample Wt/Vol:	7.84 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
VY021724.D	1		03/31/25 16:58	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.87	U	0.87	3.80	ug/Kg
74-87-3	Chloromethane	0.87	U	0.87	3.80	ug/Kg
75-01-4	Vinyl Chloride	0.60	U	0.60	3.80	ug/Kg
74-83-9	Bromomethane	0.82	U	0.82	3.80	ug/Kg
75-00-3	Chloroethane	0.96	U	0.96	3.80	ug/Kg
75-69-4	Trichlorofluoromethane	0.92	U	0.92	3.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.81	U	0.81	3.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.76	U	0.76	3.80	ug/Kg
67-64-1	Acetone	11.2	J	3.60	19.0	ug/Kg
75-15-0	Carbon Disulfide	0.81	U	0.81	3.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.56	U	0.56	3.80	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.80	ug/Kg
75-09-2	Methylene Chloride	2.70	U	2.70	7.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.66	U	0.66	3.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.61	U	0.61	3.80	ug/Kg
110-82-7	Cyclohexane	0.60	U	0.60	3.80	ug/Kg
78-93-3	2-Butanone	5.00	U	5.00	19.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.74	U	0.74	3.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.57	U	0.57	3.80	ug/Kg
74-97-5	Bromochloromethane	0.88	U	0.88	3.80	ug/Kg
67-66-3	Chloroform	0.64	U	0.64	3.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.71	U	0.71	3.80	ug/Kg
108-87-2	Methylcyclohexane	0.69	U	0.69	3.80	ug/Kg
71-43-2	Benzene	0.60	U	0.60	3.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.60	U	0.60	3.80	ug/Kg
79-01-6	Trichloroethene	0.62	U	0.62	3.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.69	U	0.69	3.80	ug/Kg
75-27-4	Bromodichloromethane	0.59	U	0.59	3.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	19.0	ug/Kg
108-88-3	Toluene	0.59	U	0.59	3.80	ug/Kg

Raw Data: **VY021724.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T4	SDG No.:	Q1675
Lab Sample ID:	Q1675-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.7
Sample Wt/Vol:	7.84 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
VY021724.D	1		03/31/25 16:58	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.50	3.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.47	U	0.47	3.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.70	U	0.70	3.80	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	19.0	ug/Kg
124-48-1	Dibromochloromethane	0.66	U	0.66	3.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.67	U	0.67	3.80	ug/Kg
127-18-4	Tetrachloroethene	0.80	U	0.80	3.80	ug/Kg
108-90-7	Chlorobenzene	0.69	U	0.69	3.80	ug/Kg
100-41-4	Ethyl Benzene	0.51	U	0.51	3.80	ug/Kg
179601-23-1	m/p-Xylenes	0.94	U	0.94	7.60	ug/Kg
95-47-6	o-Xylene	0.62	U	0.62	3.80	ug/Kg
100-42-5	Styrene	0.54	U	0.54	3.80	ug/Kg
75-25-2	Bromoform	0.66	U	0.66	3.80	ug/Kg
98-82-8	Isopropylbenzene	0.59	U	0.59	3.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.92	U	0.92	3.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.30	U	1.30	3.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.20	U	1.20	3.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.40	U	1.40	3.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.30	U	2.30	3.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.40	U	2.40	3.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		70 (63) - 130 (155)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	49.7		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.0		70 (38) - 130 (136)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.707			
540-36-3	1,4-Difluorobenzene	579000	8.615			
3114-55-4	Chlorobenzene-d5	553000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	251000	13.346			

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T4	SDG No.:	Q1675
Lab Sample ID:	Q1675-10	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.7
Sample Wt/Vol:	7.84 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
VY021724.D	1		03/31/25 16:58	VY033125

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: **VY021725.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T5	SDG No.:	Q1675
Lab Sample ID:	Q1675-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.2
Sample Wt/Vol:	8.02 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
VY021725.D	1		03/31/25 17:22	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.80	U	0.80	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.91	U	0.91	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.75	U	0.75	3.70	ug/Kg
67-64-1	Acetone	14.5	J	3.60	18.7	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.55	U	0.55	3.70	ug/Kg
79-20-9	Methyl Acetate	1.20	U	1.20	3.70	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.50	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.60	U	0.60	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.73	U	0.73	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.86	U	0.86	3.70	ug/Kg
67-66-3	Chloroform	0.63	U	0.63	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.70	U	0.70	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.61	U	0.61	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.7	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

Raw Data: **VY021725.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T5	SDG No.:	Q1675
Lab Sample ID:	Q1675-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.2
Sample Wt/Vol:	8.02 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
VY021725.D	1		03/31/25 17:22	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.49	U	0.49	3.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
591-78-6	2-Hexanone	2.80	U	2.80	18.7	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.66	U	0.66	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.79	U	0.79	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.93	U	0.93	7.50	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.91	U	0.91	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	1.20	U	1.20	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	1.40	U	1.40	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	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		70 (63) - 130 (155)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		70 (38) - 130 (136)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300000	7.707			
540-36-3	1,4-Difluorobenzene	565000	8.616			
3114-55-4	Chlorobenzene-d5	539000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	244000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY021725.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T5	SDG No.:	Q1675
Lab Sample ID:	Q1675-11	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	83.2
Sample Wt/Vol:	8.02 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
VY021725.D	1		03/31/25 17:22	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000590-73-8	Hexane, 2,2-dimethyl-	96.9	J		8.24	ug/Kg
000592-13-2	Hexane, 2,5-dimethyl-	16.0	J		9.12	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	67.2	J		9.54	ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	56.5	J		9.67	ug/Kg
003522-94-9	Hexane, 2,2,5-trimethyl-	21.5	J		10.0	ug/Kg
015869-87-1	Octane, 2,2-dimethyl-	8.10	J		11.5	ug/Kg
007154-80-5	Heptane, 3,3,5-trimethyl-	7.90	J		11.7	ug/Kg
062238-00-0	Decane, 2,2,9-trimethyl-	19.0	J		12.6	ug/Kg
062016-37-9	Octane, 2,4,6-trimethyl-	13.6	J		12.8	ug/Kg
127204-12-0	Dodecane, 2,2,11,11-tetramethyl-	28.9	J		13.0	ug/Kg
017302-37-3	Decane, 2,2-dimethyl-	10.9	J		13.1	ug/Kg
000544-76-3	Hexadecane	54.2	J		13.2	ug/Kg
016747-25-4	Hexane, 2,2,3-trimethyl-	59.1	J		13.4	ug/Kg
002051-33-4	1-Hexanol, 5-methyl-2-(1-methyleth	16.5	J		13.6	ug/Kg
015869-94-0	Octane, 3,6-dimethyl-	8.90	J		14.3	ug/Kg

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

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

Raw Data: **VY021738.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T6	SDG No.:	Q1675
Lab Sample ID:	Q1675-12	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.1
Sample Wt/Vol:	8.01 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
VY021738.D	1		04/01/25 13:46	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.85	U	0.85	3.70	ug/Kg
74-87-3	Chloromethane	0.85	U	0.85	3.70	ug/Kg
75-01-4	Vinyl Chloride	0.59	U	0.59	3.70	ug/Kg
74-83-9	Bromomethane	0.79	U	0.79	3.70	ug/Kg
75-00-3	Chloroethane	0.94	U	0.94	3.70	ug/Kg
75-69-4	Trichlorofluoromethane	0.90	U	0.90	3.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.79	U	0.79	3.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.74	U	0.74	3.70	ug/Kg
67-64-1	Acetone	16.9	J	3.50	18.6	ug/Kg
75-15-0	Carbon Disulfide	0.79	U	0.79	3.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.54	U	0.54	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	7.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.64	U	0.64	3.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
110-82-7	Cyclohexane	0.59	U	0.59	3.70	ug/Kg
78-93-3	2-Butanone	4.90	U	4.90	18.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.72	U	0.72	3.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.56	U	0.56	3.70	ug/Kg
74-97-5	Bromochloromethane	0.85	U	0.85	3.70	ug/Kg
67-66-3	Chloroform	0.62	U	0.62	3.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.69	U	0.69	3.70	ug/Kg
108-87-2	Methylcyclohexane	0.68	U	0.68	3.70	ug/Kg
71-43-2	Benzene	0.59	U	0.59	3.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.59	U	0.59	3.70	ug/Kg
79-01-6	Trichloroethene	0.60	U	0.60	3.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.68	U	0.68	3.70	ug/Kg
75-27-4	Bromodichloromethane	0.58	U	0.58	3.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.70	U	2.70	18.6	ug/Kg
108-88-3	Toluene	0.58	U	0.58	3.70	ug/Kg

Raw Data: **VY021738.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T6	SDG No.:	Q1675
Lab Sample ID:	Q1675-12	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.1
Sample Wt/Vol:	8.01 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
VY021738.D	1		04/01/25 13:46	VY040125

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	0.46	U	0.46	3.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.68	U	0.68	3.70	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.6	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	3.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.65	U	0.65	3.70	ug/Kg
127-18-4	Tetrachloroethene	0.78	U	0.78	3.70	ug/Kg
108-90-7	Chlorobenzene	0.68	U	0.68	3.70	ug/Kg
100-41-4	Ethyl Benzene	0.50	U	0.50	3.70	ug/Kg
179601-23-1	m/p-Xylenes	0.92	U	0.92	7.40	ug/Kg
95-47-6	o-Xylene	0.61	U	0.61	3.70	ug/Kg
100-42-5	Styrene	0.53	U	0.53	3.70	ug/Kg
75-25-2	Bromoform	0.64	U	0.64	3.70	ug/Kg
98-82-8	Isopropylbenzene	0.58	U	0.58	3.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.90	U	0.90	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	1.20	U	1.20	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	1.40	U	1.40	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	2.40	U	2.40	3.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.7		70 (63) - 130 (155)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	50.1		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		70 (38) - 130 (136)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	251000	7.707			
540-36-3	1,4-Difluorobenzene	487000	8.616			
3114-55-4	Chlorobenzene-d5	457000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	198000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY021738.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	03/27/25
Project:	Stockton	Date Received:	03/28/25
Client Sample ID:	T6	SDG No.:	Q1675
Lab Sample ID:	Q1675-12	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	84.1
Sample Wt/Vol:	8.01 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
VY021738.D	1		04/01/25 13:46	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000590-73-8	Hexane, 2,2-dimethyl-	7.90	J		8.24	ug/Kg
000565-75-3	Pentane, 2,3,4-trimethyl-	4.50	J		9.54	ug/Kg
000560-21-4	Pentane, 2,3,3-trimethyl-	6.70	J		9.67	ug/Kg

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

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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1675-01	P1	1,2-Dichloroethane-d4	50	55.4	111	70 (63)	130 (155)
		Dibromofluoromethane	50	52.0	104	70 (70)	130 (134)
		Toluene-d8	50	49.0	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.0	90	70 (38)	130 (136)
Q1675-05	P5	1,2-Dichloroethane-d4	50	52.1	104	70 (63)	130 (155)
		Dibromofluoromethane	50	51.2	102	70 (70)	130 (134)
		Toluene-d8	50	48.8	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	37.9	76	70 (38)	130 (136)
Q1675-06	P6	1,2-Dichloroethane-d4	50	55.1	110	70 (63)	130 (155)
		Dibromofluoromethane	50	50.8	102	70 (70)	130 (134)
		Toluene-d8	50	51.5	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	55.5	111	70 (38)	130 (136)
Q1675-07	T1	1,2-Dichloroethane-d4	50	54.2	108	70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102	70 (70)	130 (134)
		Toluene-d8	50	50.1	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.2	100	70 (38)	130 (136)
Q1675-08	T2	1,2-Dichloroethane-d4	50	57.5	115	70 (63)	130 (155)
		Dibromofluoromethane	50	51.8	104	70 (70)	130 (134)
		Toluene-d8	50	51.4	103	70 (74)	130 (123)
		4-Bromofluorobenzene	50	65.0	130	70 (38)	130 (136)
Q1675-09	T3	1,2-Dichloroethane-d4	50	60.2	120	70 (63)	130 (155)
		Dibromofluoromethane	50	53.0	106	70 (70)	130 (134)
		Toluene-d8	50	50.2	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.5	101	70 (38)	130 (136)
Q1675-10	T4	1,2-Dichloroethane-d4	50	56.6	113	70 (63)	130 (155)
		Dibromofluoromethane	50	52.1	104	70 (70)	130 (134)
		Toluene-d8	50	49.7	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.0	106	70 (38)	130 (136)
Q1675-11	T5	1,2-Dichloroethane-d4	50	53.7	107	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	50.6	101	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.7	109	70 (38)	130 (136)
Q1675-12	T6	1,2-Dichloroethane-d4	50	56.7	113	70 (63)	130 (155)
		Dibromofluoromethane	50	50.7	101	70 (70)	130 (134)
		Toluene-d8	50	50.1	100	70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.7	99	70 (38)	130 (136)
VY0331SBL01	VY0331SBL01	1,2-Dichloroethane-d4	50	50.5	101	70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100	70 (70)	130 (134)
		Toluene-d8	50	48.9	98	70 (74)	130 (123)
		4-Bromofluorobenzene	50	42.8	86	70 (38)	130 (136)
VY0331SBS01	VY0331SBS01	1,2-Dichloroethane-d4	50	50.4	101	70 (63)	130 (155)
		Dibromofluoromethane	50	52.7	105	70 (70)	130 (134)
		Toluene-d8	50	52.2	104	70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.0	102	70 (38)	130 (136)
VY0331SBSD01	VY0331SBSD01	1,2-Dichloroethane-d4	50	54.3	109	70 (63)	130 (155)
		Dibromofluoromethane	50	56.5	113	70 (70)	130 (134)
		Toluene-d8	50	56.6	113	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.8	110	70 (38)	130 (136)
VY0401SBL01	VY0401SBL01	1,2-Dichloroethane-d4	50	52.8	106	70 (63)	130 (155)
		Dibromofluoromethane	50	51.6	103	70 (70)	130 (134)

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Surrogate Summary

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VY0401SBL01	VY0401SBL01	Toluene-d8	50	49.4	99	70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.3	95	70 (38)	130 (136)
VY0401SBS01	VY0401SBS01	1,2-Dichloroethane-d4	50	52.3	105	70 (63)	130 (155)
		Dibromofluoromethane	50	54.1	108	70 (70)	130 (134)
		Toluene-d8	50	54.9	110	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.3	109	70 (38)	130 (136)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021712.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0331SBS01	Dichlorodifluoromethane	20	19.6	ug/Kg	98			40 (64)	160 (136)	
	Chloromethane	20	19.3	ug/Kg	97			40 (70)	160 (130)	
	Vinyl chloride	20	19.2	ug/Kg	96			70 (72)	130 (129)	
	Bromomethane	20	20.6	ug/Kg	103			40 (58)	160 (141)	
	Chloroethane	20	19.4	ug/Kg	97			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.6	ug/Kg	98			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/Kg	100			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.1	ug/Kg	96			70 (79)	130 (121)	
	Acetone	100	95.6	ug/Kg	96			40 (60)	160 (131)	
	Carbon disulfide	20	18.9	ug/Kg	95			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	18.6	ug/Kg	93			70 (77)	130 (129)	
	Methyl Acetate	20	19.3	ug/Kg	97			70 (69)	130 (149)	
	Methylene Chloride	20	20.3	ug/Kg	102			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.4	ug/Kg	97			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.8	ug/Kg	99			70 (82)	130 (123)	
	Cyclohexane	20	18.5	ug/Kg	93			70 (76)	130 (122)	
	2-Butanone	100	90.9	ug/Kg	91			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.0	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	Bromochloromethane	20	19.6	ug/Kg	98			70 (80)	130 (127)	
	Chloroform	20	19.8	ug/Kg	99			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.8	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	18.8	ug/Kg	94			70 (77)	130 (123)	
	Benzene	20	19.8	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.9	ug/Kg	100			70 (81)	130 (126)	
	Trichloroethene	20	19.9	ug/Kg	100			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	Bromodichloromethane	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	92.0	ug/Kg	92			40 (70)	160 (135)	
	Toluene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	19.9	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	90.5	ug/Kg	91			40 (66)	160 (138)	
	Dibromochloromethane	20	19.9	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			70 (80)	130 (125)	
	Tetrachloroethene	20	20.3	ug/Kg	102			70 (83)	130 (125)	
	Chlorobenzene	20	19.5	ug/Kg	98			70 (84)	130 (122)	
	Ethyl Benzene	20	19.2	ug/Kg	96			70 (82)	130 (124)	
	m/p-Xylenes	40	38.9	ug/Kg	97			70 (83)	130 (124)	
	o-Xylene	20	19.2	ug/Kg	96			70 (83)	130 (123)	
	Styrene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	20.0	ug/Kg	100			70 (75)	130 (127)	
	Isopropylbenzene	20	19.4	ug/Kg	97			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/Kg	97			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.8	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021712.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0331SBS01	1,2-Dibromo-3-Chloropropane	20	18.9	ug/Kg	95			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.3	ug/Kg	92			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	17.8	ug/Kg	89			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021713.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0331SBSD01	Dichlorodifluoromethane	20	19.7	ug/Kg	99	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.3	ug/Kg	97	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	19.2	ug/Kg	96	0		70 (72)	130 (129)	30 (20)
	Bromomethane	20	20.4	ug/Kg	102	1		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.1	ug/Kg	96	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.5	ug/Kg	98	0		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100	0		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.5	ug/Kg	98	2		70 (79)	130 (121)	30 (20)
	Acetone	100	87.1	ug/Kg	87	10		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	18.8	ug/Kg	94	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	18.8	ug/Kg	94	1		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	18.1	ug/Kg	91	6		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	20.3	ug/Kg	102	0		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	19.3	ug/Kg	97	0		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.8	ug/Kg	99	0		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.1	ug/Kg	96	3		70 (76)	130 (122)	30 (20)
	2-Butanone	100	88.8	ug/Kg	89	2		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.0	ug/Kg	100	0		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.0	ug/Kg	100	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	19.9	ug/Kg	100	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	19.6	ug/Kg	98	1		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.5	ug/Kg	98	4		70 (77)	130 (123)	30 (20)
	Benzene	20	20.0	ug/Kg	100	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.1	ug/Kg	101	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.3	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.0	ug/Kg	100	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.0	ug/Kg	100	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	92.7	ug/Kg	93	1		40 (70)	160 (135)	30 (20)
	Toluene	20	20.6	ug/Kg	103	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.1	ug/Kg	96	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99	1		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101	1		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	88.5	ug/Kg	89	2		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.8	ug/Kg	99	1		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.8	ug/Kg	99	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.6	ug/Kg	103	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.1	ug/Kg	101	3		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.1	ug/Kg	101	5		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.0	ug/Kg	100	3		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.7	ug/Kg	99	3		70 (83)	130 (123)	30 (20)
	Styrene	20	20.0	ug/Kg	100	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	19.8	ug/Kg	99	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.2	ug/Kg	96	1		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	18.4	ug/Kg	92	5		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100	1		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98	1		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	0		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021713.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0331SBSD01	1,2-Dibromo-3-Chloropropane	20	18.4	ug/Kg	92	3		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	18.6	ug/Kg	93	1		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	18.9	ug/Kg	95	7		70 (70)	130 (137)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0401SBS01	Dichlorodifluoromethane	20	19.4	ug/Kg	97			40 (64)	160 (136)	
	Chloromethane	20	18.1	ug/Kg	91			40 (70)	160 (130)	
	Vinyl chloride	20	18.3	ug/Kg	92			70 (72)	130 (129)	
	Bromomethane	20	19.7	ug/Kg	99			40 (58)	160 (141)	
	Chloroethane	20	18.4	ug/Kg	92			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.7	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.1	ug/Kg	101			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.7	ug/Kg	99			70 (79)	130 (121)	
	Acetone	100	94.3	ug/Kg	94			40 (60)	160 (131)	
	Carbon disulfide	20	18.6	ug/Kg	93			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95			70 (77)	130 (129)	
	Methyl Acetate	20	18.6	ug/Kg	93			70 (69)	130 (149)	
	Methylene Chloride	20	19.3	ug/Kg	97			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			70 (80)	130 (123)	
	1,1-Dichloroethane	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	Cyclohexane	20	18.8	ug/Kg	94			70 (76)	130 (122)	
	2-Butanone	100	93.7	ug/Kg	94			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.6	ug/Kg	98			70 (82)	130 (123)	
	Bromochloromethane	20	19.3	ug/Kg	97			70 (80)	130 (127)	
	Chloroform	20	19.4	ug/Kg	97			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.8	ug/Kg	99			70 (80)	130 (126)	
	Methylcyclohexane	20	19.6	ug/Kg	98			70 (77)	130 (123)	
	Benzene	20	19.9	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.6	ug/Kg	98			70 (81)	130 (126)	
	Trichloroethene	20	20.5	ug/Kg	103			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	19.7	ug/Kg	99			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	94.6	ug/Kg	95			40 (70)	160 (135)	
	Toluene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (125)	
	2-Hexanone	100	94.9	ug/Kg	95			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	20.8	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	19.9	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	39.5	ug/Kg	99			70 (83)	130 (124)	
	o-Xylene	20	20.0	ug/Kg	100			70 (83)	130 (123)	
	Styrene	20	19.9	ug/Kg	100			70 (82)	130 (124)	
	Bromoform	20	20.5	ug/Kg	103			70 (75)	130 (127)	
	Isopropylbenzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/Kg	94			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	19.8	ug/Kg	99			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	19.7	ug/Kg	99			70 (83)	130 (124)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1675

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021733.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0401SBS01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/Kg	101			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.2	ug/Kg	96			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70 (70)	130 (137)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0331SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021711.D Lab Sample ID: VY0331SBL01

Date Analyzed: 03/31/2025 Time Analyzed: 11:04

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
VY0331SBS01	VY0331SBS01	VY021712.D	03/31/2025
VY0331SBSD01	VY0331SBSD01	VY021713.D	03/31/2025
P1	Q1675-01	VY021718.D	03/31/2025
P5	Q1675-05	VY021719.D	03/31/2025
P6	Q1675-06	VY021720.D	03/31/2025
T1	Q1675-07	VY021721.D	03/31/2025
T2	Q1675-08	VY021722.D	03/31/2025
T4	Q1675-10	VY021724.D	03/31/2025
T5	Q1675-11	VY021725.D	03/31/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0401SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021732.D Lab Sample ID: VY0401SBL01

Date Analyzed: 04/01/2025 Time Analyzed: 10:52

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
VY0401SBS01	VY0401SBS01	VY021733.D	04/01/2025
T3	Q1675-09	VY021737.D	04/01/2025
T6	Q1675-12	VY021738.D	04/01/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021655.D BFB Injection Date: 03/27/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:23

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.7 (2) 1
174	50.0 - 100.0% of mass 95	86.7
175	5.0 - 9.0% of mass 174	6.6 (7.6) 1
176	95.0 - 101.0% of mass 174	82.9 (95.6) 1
177	5.0 - 9.0% of mass 176	5.6 (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	VY021656.D	03/27/2025	10:08
VSTDICC010	VSTDICC010	VY021657.D	03/27/2025	10:31
VSTDICC020	VSTDICC020	VY021658.D	03/27/2025	10:54
VSTDICCC050	VSTDICCC050	VY021659.D	03/27/2025	11:16
VSTDICC100	VSTDICC100	VY021660.D	03/27/2025	11:39
VSTDICC150	VSTDICC150	VY021661.D	03/27/2025	12:02

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021709.D BFB Injection Date: 03/31/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:37

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	53.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	82.9
175	5.0 - 9.0% of mass 174	6.5 (7.9) 1
176	95.0 - 101.0% of mass 174	80.1 (96.6) 1
177	5.0 - 9.0% of mass 176	5.3 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021710.D	03/31/2025	10:08
VY0331SBL01	VY0331SBL01	VY021711.D	03/31/2025	11:04
VY0331SBS01	VY0331SBS01	VY021712.D	03/31/2025	11:43
VY0331SBSD01	VY0331SBSD01	VY021713.D	03/31/2025	12:06
P1	Q1675-01	VY021718.D	03/31/2025	14:38
P5	Q1675-05	VY021719.D	03/31/2025	15:01
P6	Q1675-06	VY021720.D	03/31/2025	15:25
T1	Q1675-07	VY021721.D	03/31/2025	15:48
T2	Q1675-08	VY021722.D	03/31/2025	16:11
T4	Q1675-10	VY021724.D	03/31/2025	16:58
T5	Q1675-11	VY021725.D	03/31/2025	17:22

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021730.D BFB Injection Date: 04/01/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:35

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.2
75	30.0 - 60.0% of mass 95	53.4
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	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	83.4
175	5.0 - 9.0% of mass 174	6.4 (7.7) 1
176	95.0 - 101.0% of mass 174	79.4 (95.2) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY021731.D	04/01/2025	10:13
VY0401SBL01	VY0401SBL01	VY021732.D	04/01/2025	10:52
VY0401SBS01	VY0401SBS01	VY021733.D	04/01/2025	11:30
T3	Q1675-09	VY021737.D	04/01/2025	13:22
T6	Q1675-12	VY021738.D	04/01/2025	13:46

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021710.D Date Analyzed: 03/31/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:08

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	219865	7.71	330473	8.62	302464	11.41
UPPER LIMIT	439730	8.207	660946	9.116	604928	11.914
LOWER LIMIT	109933	7.207	165237	8.116	151232	10.914
EPA SAMPLE NO.						
P1	225152	7.71	422046	8.62	384322	11.41
P5	223306	7.71	416437	8.62	350907	11.41
P6	224475	7.71	430734	8.62	421727	11.41
T1	241201	7.71	454127	8.62	421197	11.41
T2	278328	7.71	508216	8.61	512218	11.41
T4	303922	7.71	578602	8.62	553448	11.41
T5	300228	7.71	564649	8.62	539474	11.41
VY0331SBL01	226309	7.71	422899	8.62	372547	11.42
VY0331SBS01	209979	7.71	327567	8.62	291569	11.41
VY0331SBSD01	214172	7.71	331290	8.62	291157	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021710.D Date Analyzed: 03/31/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:08

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

	IS4 AREA #	RT #				
12 HOUR STD	152394	13.347				
UPPER LIMIT	304788	13.847				
LOWER LIMIT	76197	12.847				
EPA SAMPLE NO.						
P1	151796	13.35				
P5	108429	13.35				
P6	189318	13.35				
T1	185708	13.35				
T2	256507	13.35				
T4	250658	13.35				
T5	244186	13.35				
VY0331SBL01	140307	13.35				
VY0331SBS01	145397	13.35				
VY0331SBSD01	150013	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021731.D Date Analyzed: 04/01/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:13

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	267136	7.71	417982	8.62	368359	11.41
UPPER LIMIT	534272	8.207	835964	9.115	736718	11.914
LOWER LIMIT	133568	7.207	208991	8.115	184180	10.914
EPA SAMPLE NO.						
T3	259184	7.71	488873	8.62	462972	11.41
T6	250737	7.71	486743	8.62	457044	11.41
VY0401SBL01	281152	7.71	519589	8.61	477574	11.41
VY0401SBS01	262284	7.71	407591	8.62	358349	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG NO.: Q1675

Lab File ID: VY021731.D Date Analyzed: 04/01/2025

Instrument ID: MSVOA_Y Time Analyzed: 10:13

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

	IS4 AREA #	RT #				
12 HOUR STD	185609	13.346				
UPPER LIMIT	371218	13.846				
LOWER LIMIT	92804.5	12.846				
EPA SAMPLE NO.						
T3	201176	13.35				
T6	197804	13.35				
VY0401SBL01	199303	13.35				
VY0401SBS01	179014	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021711.D	1		03/31/25 11:04	VY033125

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

Raw Data: **VY021711.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021711.D	1		03/31/25 11:04	VY033125

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	50.5		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	48.9		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		70 (38) - 130 (136)	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	7.707			
540-36-3	1,4-Difluorobenzene	423000	8.616			
3114-55-4	Chlorobenzene-d5	373000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	140000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021711.D	1		03/31/25 11:04	VY033125

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:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021732.D	1		04/01/25 10:52	VY040125

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

Raw Data: **VY021732.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021732.D	1		04/01/25 10:52	VY040125

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	52.8		70 (63) - 130 (155)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	49.4		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (38) - 130 (136)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	7.707			
540-36-3	1,4-Difluorobenzene	520000	8.61			
3114-55-4	Chlorobenzene-d5	478000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.347			

Raw Data: **VY021732.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBL01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBL01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021732.D	1		04/01/25 10:52	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021712.D	1		03/31/25 11:43	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		1.00	5.00	ug/Kg
67-64-1	Acetone	95.6		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.9		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.6		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.3		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.4		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.79	5.00	ug/Kg
78-93-3	2-Butanone	90.9		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.6		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.8		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	18.8		0.91	5.00	ug/Kg
71-43-2	Benzene	19.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.9		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Raw Data: **VY021712.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021712.D	1		03/31/25 11:43	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.9		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	90.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.5		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	38.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.2		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.8		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	18.9		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.3		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	52.2		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		70 (38) - 130 (136)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	7.707			
540-36-3	1,4-Difluorobenzene	328000	8.615			
3114-55-4	Chlorobenzene-d5	292000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.346			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021712.D	1		03/31/25 11:43	VY033125

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: **VY021733.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021733.D	1		04/01/25 11:30	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.1		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	19.7		1.10	5.00	ug/Kg
75-00-3	Chloroethane	18.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.7		1.00	5.00	ug/Kg
67-64-1	Acetone	94.3		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		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	18.6		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.3		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	19.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	93.7		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.4		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	19.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.6		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.5		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	94.6		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

Raw Data: **VY021733.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021733.D	1		04/01/25 11:30	VY040125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.0		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	94.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.9		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.8		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		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	20.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.2		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (63) - 130 (155)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		70 (70) - 130 (134)	108%	SPK: 50
2037-26-5	Toluene-d8	54.9		70 (74) - 130 (123)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.3		70 (38) - 130 (136)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	7.707			
540-36-3	1,4-Difluorobenzene	408000	8.616			
3114-55-4	Chlorobenzene-d5	358000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0401SBS01	SDG No.:	Q1675
Lab Sample ID:	VY0401SBS01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021733.D	1		04/01/25 11:30	VY040125

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:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBSD01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021713.D	1		03/31/25 12:06	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	19.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.2		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.5		1.00	5.00	ug/Kg
67-64-1	Acetone	87.1		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.8		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	18.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	88.8		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.0		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.0		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.5		0.91	5.00	ug/Kg
71-43-2	Benzene	20.0		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.0		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	92.7		3.60	25.0	ug/Kg
108-88-3	Toluene	20.6		0.78	5.00	ug/Kg

Raw Data: **VY021713.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBSD01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021713.D	1		03/31/25 12:06	VY033125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	88.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.8		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.7		0.82	5.00	ug/Kg
100-42-5	Styrene	20.0		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.4		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		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	18.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.6		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		70 (63) - 130 (155)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	56.5		70 (70) - 130 (134)	113%	SPK: 50
2037-26-5	Toluene-d8	56.6		70 (74) - 130 (123)	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.8		70 (38) - 130 (136)	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	214000	7.707			
540-36-3	1,4-Difluorobenzene	331000	8.615			
3114-55-4	Chlorobenzene-d5	291000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	150000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Stockton	Date Received:	
Client Sample ID:	VY0331SBSD01	SDG No.:	Q1675
Lab Sample ID:	VY0331SBSD01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021713.D	1		03/31/25 12:06	VY033125

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
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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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.602	0.577	0.493	0.506	0.485	0.447	0.518	11.4
Chloromethane	0.876	0.775	0.713	0.692	0.672	0.644	0.729	11.6
Vinyl Chloride	0.977	0.886	0.810	0.800	0.758	0.714	0.824	11.5
Bromomethane	0.709	0.613	0.537	0.513	0.494	0.506	0.562	14.9
Chloroethane	0.644	0.570	0.544	0.512	0.490	0.476	0.539	11.5
Trichlorofluoromethane	1.212	1.124	1.104	1.013	0.967	0.914	1.056	10.5
1,1,2-Trichlorotrifluoroethane	0.668	0.601	0.553	0.536	0.510	0.473	0.557	12.4
1,1-Dichloroethene	0.589	0.564	0.508	0.514	0.496	0.477	0.524	8.2
Acetone	0.145	0.123	0.102	0.107	0.087	0.102	0.111	18.3
Carbon Disulfide	1.956	1.828	1.709	1.696	1.623	1.552	1.727	8.4
Methyl tert-butyl Ether	1.380	1.335	1.247	1.325	1.256	1.292	1.306	3.9
Methyl Acetate	0.329	0.286	0.269	0.265	0.243	0.257	0.275	11
Methylene Chloride	0.870	0.694	0.594	0.564	0.518	0.514	0.626	21.8
trans-1,2-Dichloroethene	0.634	0.608	0.568	0.567	0.551	0.536	0.577	6.3
1,1-Dichloroethane	1.178	1.091	1.024	1.040	0.992	0.968	1.049	7.3
Cyclohexane	1.170	1.032	0.912	0.918	0.886	0.818	0.956	13.1
2-Butanone	0.181	0.166	0.149	0.159	0.140	0.155	0.158	8.9
Carbon Tetrachloride	0.637	0.594	0.546	0.564	0.547	0.507	0.566	7.9
cis-1,2-Dichloroethene	0.700	0.658	0.626	0.652	0.631	0.629	0.649	4.3
Bromochloromethane	0.513	0.470	0.424	0.426	0.420	0.402	0.442	9.3
Chloroform	1.235	1.141	1.062	1.081	1.026	1.000	1.091	7.9
1,1,1-Trichloroethane	1.155	1.013	0.959	0.967	0.929	0.893	0.986	9.3
Methylcyclohexane	0.593	0.599	0.569	0.619	0.612	0.550	0.590	4.5
Benzene	1.606	1.527	1.429	1.499	1.445	1.371	1.479	5.6
1,2-Dichloroethane	0.467	0.445	0.399	0.420	0.392	0.379	0.417	8.1
Trichloroethene	0.412	0.398	0.362	0.374	0.366	0.348	0.377	6.4
1,2-Dichloropropane	0.383	0.366	0.334	0.353	0.340	0.325	0.350	6.2
Bromodichloromethane	0.571	0.546	0.504	0.525	0.508	0.484	0.523	6
4-Methyl-2-Pentanone	0.232	0.240	0.219	0.241	0.222	0.226	0.230	3.9
Toluene	0.940	0.943	0.893	0.951	0.928	0.885	0.923	3

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02

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

LAB FILE ID: RRF005 = VY021656.D RRF010 = VY021657.D RRF020 = VY021658.D
RRF050 = VY021659.D RRF100 = VY021660.D RRF150 = VY021661.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.456	0.470	0.439	0.486	0.475	0.461	0.465	3.5
cis-1,3-Dichloropropene	0.553	0.558	0.528	0.565	0.549	0.534	0.548	2.6
1,1,2-Trichloroethane	0.280	0.283	0.249	0.261	0.247	0.240	0.260	6.9
2-Hexanone	0.154	0.154	0.144	0.164	0.148	0.154	0.153	4.2
Dibromochloromethane	0.371	0.367	0.340	0.364	0.348	0.337	0.355	4.1
1,2-Dibromoethane	0.267	0.250	0.230	0.254	0.233	0.229	0.244	6.3
Tetrachloroethene	0.534	0.503	0.453	0.449	0.412	0.382	0.455	12.3
Chlorobenzene	1.244	1.178	1.110	1.155	1.116	1.073	1.146	5.3
Ethyl Benzene	1.949	1.916	1.918	2.051	2.023	1.935	1.965	2.9
m/p-Xylenes	0.726	0.753	0.744	0.787	0.774	0.731	0.753	3.2
o-Xylene	0.665	0.670	0.676	0.738	0.725	0.694	0.695	4.4
Styrene	1.064	1.110	1.134	1.232	1.229	1.181	1.158	5.8
Bromoform	0.241	0.239	0.229	0.237	0.225	0.221	0.232	3.4
Isopropylbenzene	3.628	3.701	3.582	3.826	3.843	3.702	3.714	2.8
1,1,2,2-Tetrachloroethane	0.764	0.720	0.616	0.657	0.619	0.631	0.668	9.1
1,3-Dichlorobenzene	1.895	1.774	1.707	1.748	1.728	1.689	1.757	4.2
1,4-Dichlorobenzene	1.876	1.794	1.704	1.741	1.673	1.626	1.736	5.2
1,2-Dichlorobenzene	1.598	1.607	1.496	1.524	1.486	1.465	1.529	3.9
1,2-Dibromo-3-Chloropropane	0.112	0.111	0.097	0.102	0.096	0.102	0.103	6.6
1,2,4-Trichlorobenzene	0.771	0.781	0.787	0.878	0.870	0.889	0.829	6.6
1,2,3-Trichlorobenzene	0.653	0.681	0.673	0.746	0.737	0.753	0.707	6.1
1,2-Dichloroethane-d4	0.612	0.559	0.502	0.548	0.510	0.520	0.542	7.5
Dibromofluoromethane	0.357	0.321	0.290	0.339	0.325	0.313	0.324	7
Toluene-d8	1.277	1.240	1.127	1.306	1.252	1.201	1.234	5.1
4-Bromofluorobenzene	0.447	0.410	0.378	0.439	0.424	0.407	0.417	6

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 03/31/2025 10:08

Lab File ID: VY021710.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.504		-2.7	20
Chloromethane	0.729	0.699	0.1	-4.11	20
Vinyl Chloride	0.824	0.802		-2.67	20
Bromomethane	0.562	0.525		-6.58	20
Chloroethane	0.539	0.525		-2.6	20
Trichlorofluoromethane	1.056	1.075		1.8	20
1,1,2-Trichlorotrifluoroethane	0.557	0.561		0.72	20
1,1-Dichloroethene	0.524	0.519		-0.95	20
Acetone	0.111	0.097		-12.61	20
Carbon Disulfide	1.727	1.707		-1.16	20
Methyl tert-butyl Ether	1.306	1.319		1	20
Methyl Acetate	0.275	0.294		6.91	20
Methylene Chloride	0.626	0.573		-8.47	20
trans-1,2-Dichloroethene	0.577	0.577		0	20
1,1-Dichloroethane	1.049	1.046	0.1	-0.29	20
Cyclohexane	0.956	0.927		-3.03	20
2-Butanone	0.158	0.156		-1.27	20
Carbon Tetrachloride	0.566	0.608		7.42	20
cis-1,2-Dichloroethene	0.649	0.650		0.15	20
Bromochloromethane	0.442	0.448		1.36	20
Chloroform	1.091	1.087		-0.37	20
1,1,1-Trichloroethane	0.986	0.979		-0.71	20
Methylcyclohexane	0.590	0.641		8.64	20
Benzene	1.479	1.572		6.29	20
1,2-Dichloroethane	0.417	0.441		5.76	20
Trichloroethene	0.377	0.393		4.24	20
1,2-Dichloropropane	0.350	0.371		6	20
Bromodichloromethane	0.523	0.556		6.31	20
4-Methyl-2-Pentanone	0.230	0.254		10.44	20
Toluene	0.923	0.997		8.02	20
t-1,3-Dichloropropene	0.465	0.503		8.17	20
cis-1,3-Dichloropropene	0.548	0.585		6.75	20
1,1,2-Trichloroethane	0.260	0.276		6.15	20
2-Hexanone	0.153	0.171		11.77	20
Dibromochloromethane	0.355	0.386		8.73	20
1,2-Dibromoethane	0.244	0.265		8.61	20
Tetrachloroethene	0.455	0.463		1.76	20
Chlorobenzene	1.146	1.163	0.3	1.48	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: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 03/31/2025 10:08

Lab File ID: VY021710.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.965	2.057		4.68	20
m/p-Xylenes	0.753	0.796		5.71	20
o-Xylene	0.695	0.737		6.04	20
Styrene	1.158	1.271		9.76	20
Bromoform	0.232	0.247	0.1	6.47	20
Isopropylbenzene	3.714	3.861		3.96	20
1,1,2,2-Tetrachloroethane	0.668	0.673	0.3	0.75	20
1,3-Dichlorobenzene	1.757	1.805		2.73	20
1,4-Dichlorobenzene	1.736	1.769		1.9	20
1,2-Dichlorobenzene	1.529	1.563		2.22	20
1,2-Dibromo-3-Chloropropane	0.103	0.101		-1.94	20
1,2,4-Trichlorobenzene	0.829	0.853		2.89	20
1,2,3-Trichlorobenzene	0.707	0.744		5.23	20
1,2-Dichloroethane-d4	0.542	0.580		7.01	20
Dibromofluoromethane	0.324	0.372		14.81	20
Toluene-d8	1.234	1.418		14.91	20
4-Bromofluorobenzene	0.417	0.477		14.39	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 04/01/2025 10:13

Lab File ID: VY021731.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.518	0.503		-2.9	20
Chloromethane	0.729	0.661	0.1	-9.33	20
Vinyl Chloride	0.824	0.773		-6.19	20
Bromomethane	0.562	0.514		-8.54	20
Chloroethane	0.539	0.495		-8.16	20
Trichlorofluoromethane	1.056	1.042		-1.33	20
1,1,2-Trichlorotrifluoroethane	0.557	0.558		0.18	20
1,1-Dichloroethene	0.524	0.526		0.38	20
Acetone	0.111	0.089		-19.82	20
Carbon Disulfide	1.727	1.673		-3.13	20
Methyl tert-butyl Ether	1.306	1.321		1.15	20
Methyl Acetate	0.275	0.287		4.36	20
Methylene Chloride	0.626	0.569		-9.1	20
trans-1,2-Dichloroethene	0.577	0.583		1.04	20
1,1-Dichloroethane	1.049	1.041	0.1	-0.76	20
Cyclohexane	0.956	0.916		-4.18	20
2-Butanone	0.158	0.142		-10.13	20
Carbon Tetrachloride	0.566	0.583		3	20
cis-1,2-Dichloroethene	0.649	0.669		3.08	20
Bromochloromethane	0.442	0.402		-9.05	20
Chloroform	1.091	1.087		-0.37	20
1,1,1-Trichloroethane	0.986	0.985		-0.1	20
Methylcyclohexane	0.590	0.628		6.44	20
Benzene	1.479	1.490		0.74	20
1,2-Dichloroethane	0.417	0.409		-1.92	20
Trichloroethene	0.377	0.389		3.18	20
1,2-Dichloropropane	0.350	0.354		1.14	20
Bromodichloromethane	0.523	0.529		1.15	20
4-Methyl-2-Pentanone	0.230	0.225		-2.17	20
Toluene	0.923	0.962		4.22	20
t-1,3-Dichloropropene	0.465	0.479		3.01	20
cis-1,3-Dichloropropene	0.548	0.555		1.28	20
1,1,2-Trichloroethane	0.260	0.267		2.69	20
2-Hexanone	0.153	0.149		-2.61	20
Dibromochloromethane	0.355	0.369		3.94	20
1,2-Dibromoethane	0.244	0.251		2.87	20
Tetrachloroethene	0.455	0.465		2.2	20
Chlorobenzene	1.146	1.163	0.3	1.48	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1675 SAS No.: Q1675 SDG No.: Q1675

Instrument ID: MSVOA_Y Calibration Date/Time: 04/01/2025 10:13

Lab File ID: VY021731.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.965	2.068		5.24	20
m/p-Xylenes	0.753	0.791		5.05	20
o-Xylene	0.695	0.744		7.05	20
Styrene	1.158	1.265		9.24	20
Bromoform	0.232	0.240	0.1	3.45	20
Isopropylbenzene	3.714	3.927		5.74	20
1,1,2,2-Tetrachloroethane	0.668	0.646	0.3	-3.29	20
1,3-Dichlorobenzene	1.757	1.808		2.9	20
1,4-Dichlorobenzene	1.736	1.750		0.81	20
1,2-Dichlorobenzene	1.529	1.568		2.55	20
1,2-Dibromo-3-Chloropropane	0.103	0.099		-3.88	20
1,2,4-Trichlorobenzene	0.829	0.905		9.17	20
1,2,3-Trichlorobenzene	0.707	0.756		6.93	20
1,2-Dichloroethane-d4	0.542	0.509		-6.09	20
Dibromofluoromethane	0.324	0.320		-1.24	20
Toluene-d8	1.234	1.227		-0.57	20
4-Bromofluorobenzene	0.417	0.421		0.96	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Time: Apr 01 05:37:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	225152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	422046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	384322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	151796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	135238	55.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.880%			
35) Dibromofluoromethane	7.634	113	142437	52.027	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.060%			
50) Toluene-d8	10.109	98	510650	49.029	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.060%			
62) 4-Bromofluorobenzene	12.407	95	158668	45.039	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.080%			

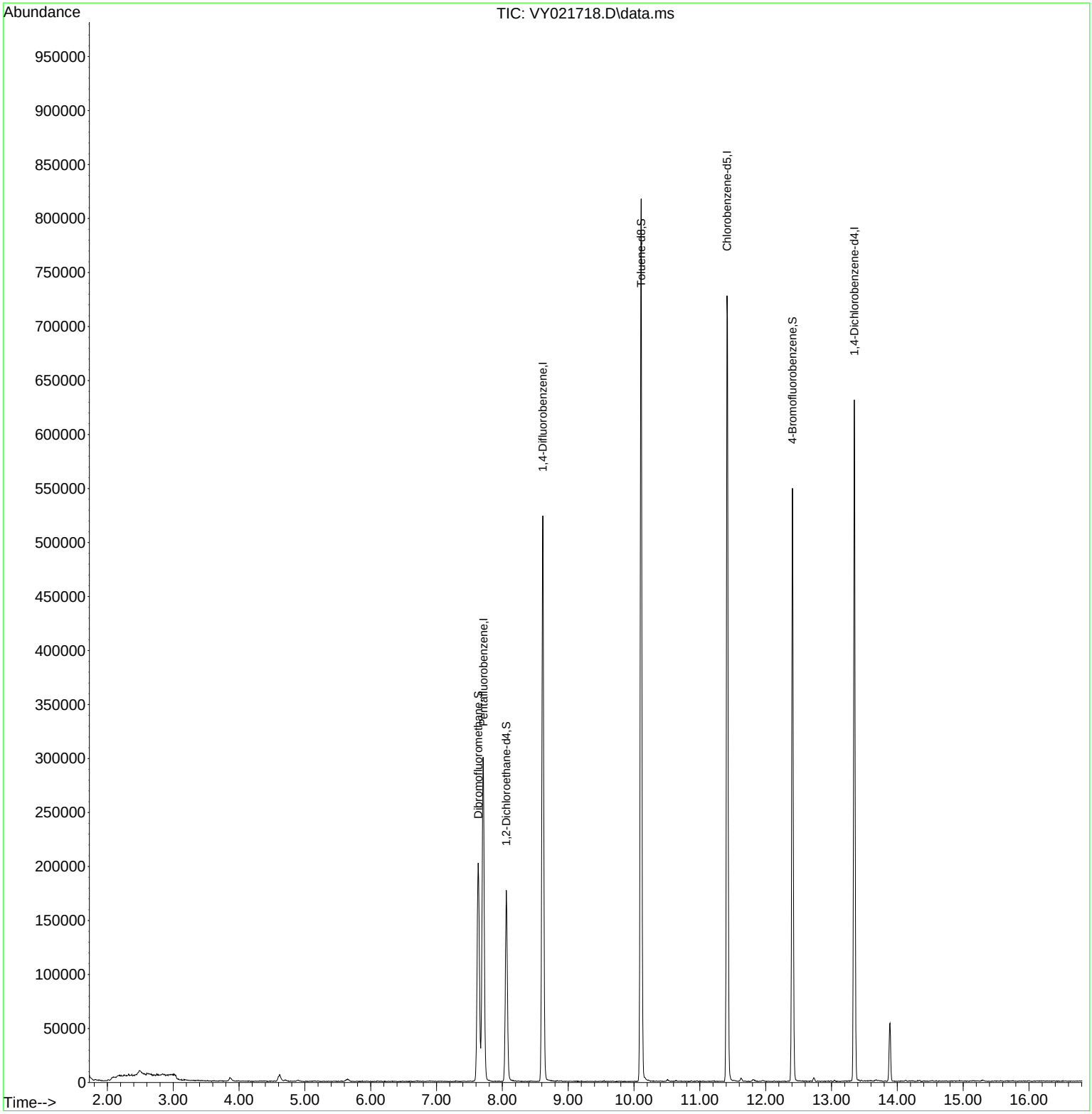
Target Compounds	Qvalue

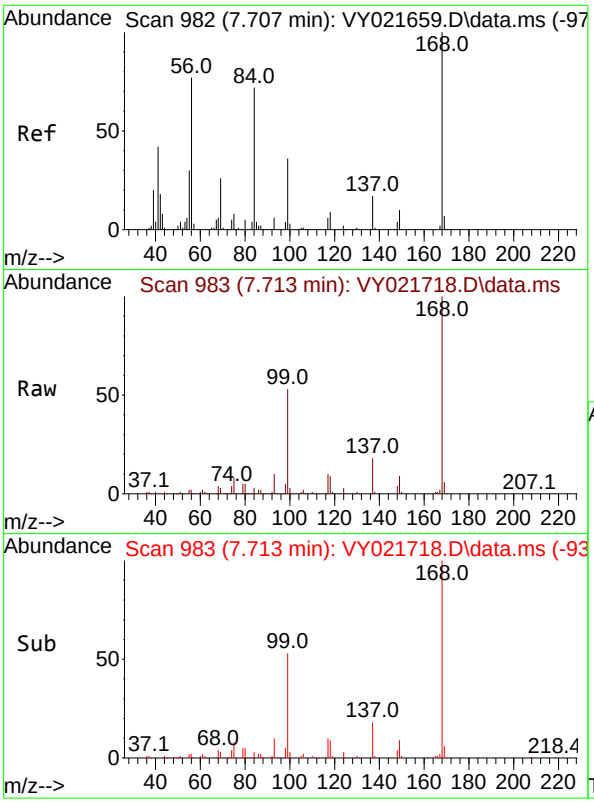
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Time: Apr 01 05:37:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



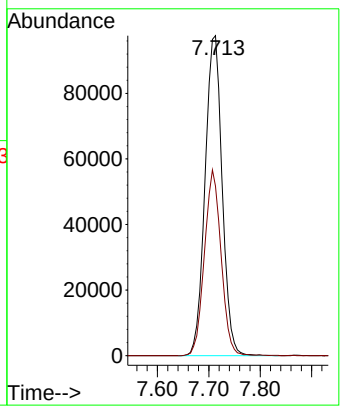


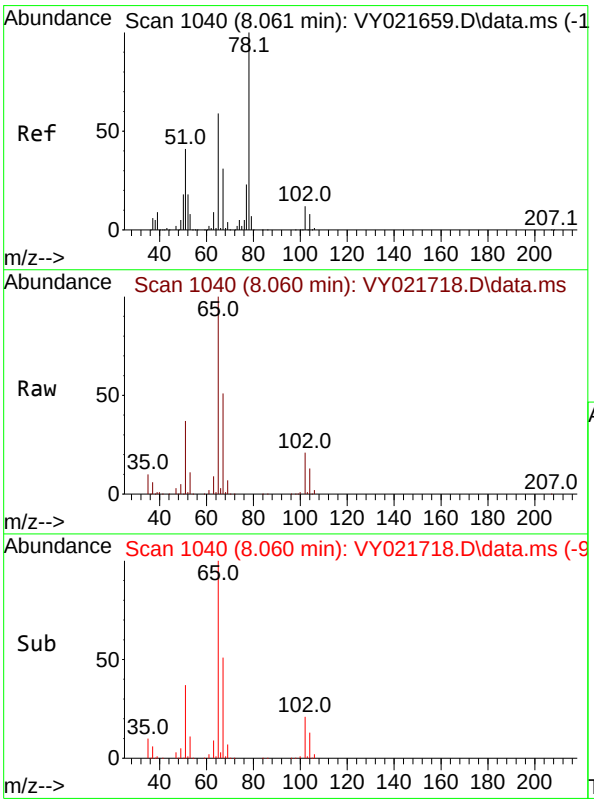
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
P1

Tgt Ion:168 Resp: 225152

Ion	Ratio	Lower	Upper
168	100		
99	53.0	46.7	70.1

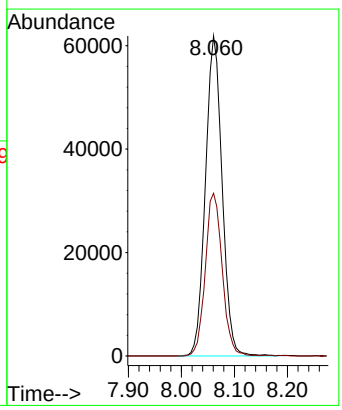


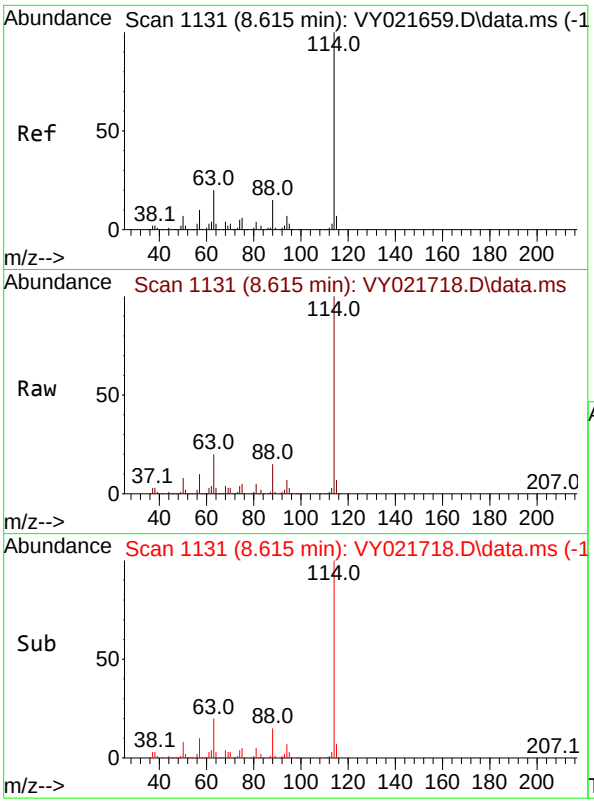


#33
1,2-Dichloroethane-d4
Concen: 55.438 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 65 Resp: 135238

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.6



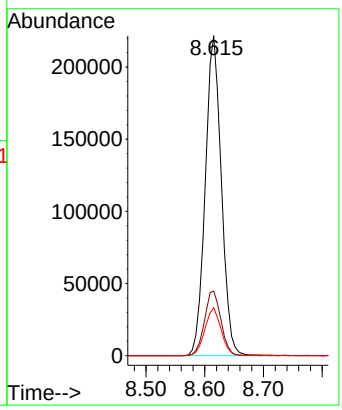


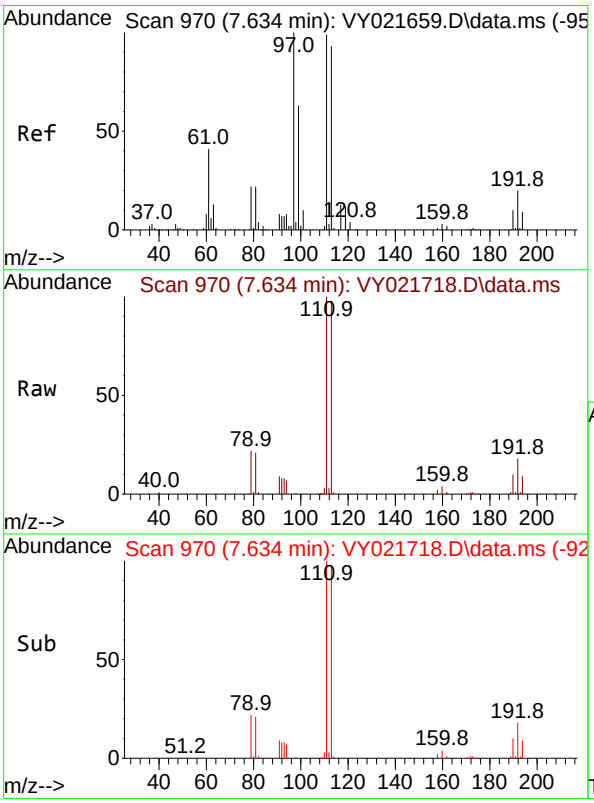
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
P1

Tgt Ion:114 Resp: 422046

Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.2
88	15.0	0.0	29.8

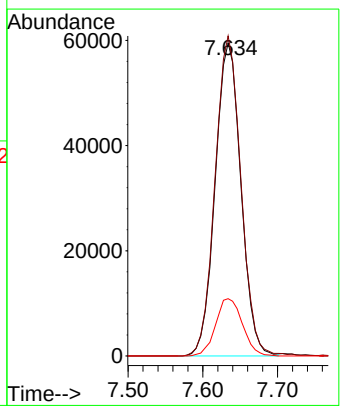


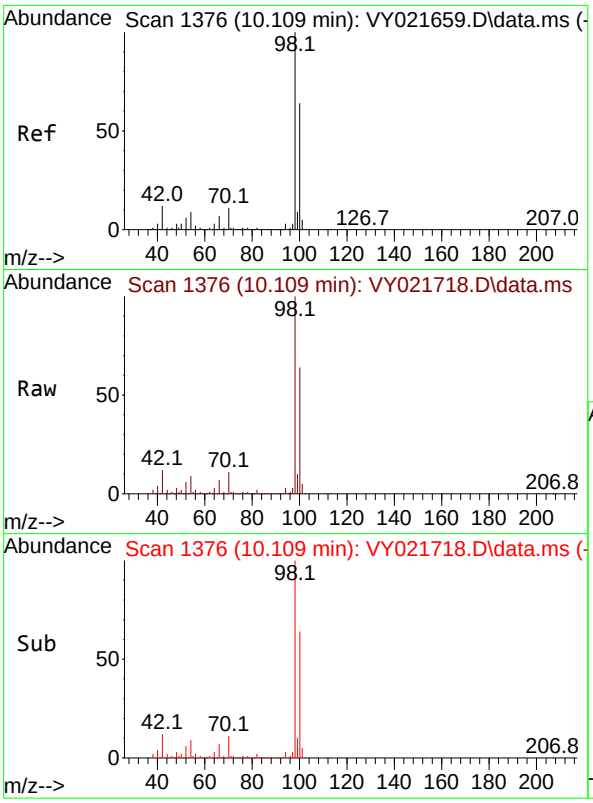


#35
Dibromofluoromethane
Concen: 52.027 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion:113 Resp: 142437

Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	19.1	16.2	24.4



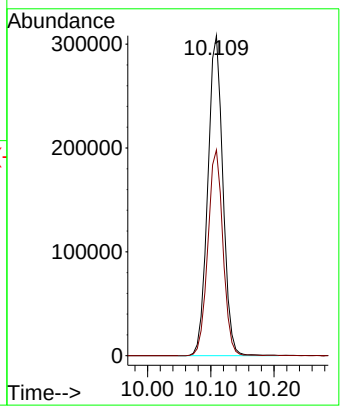


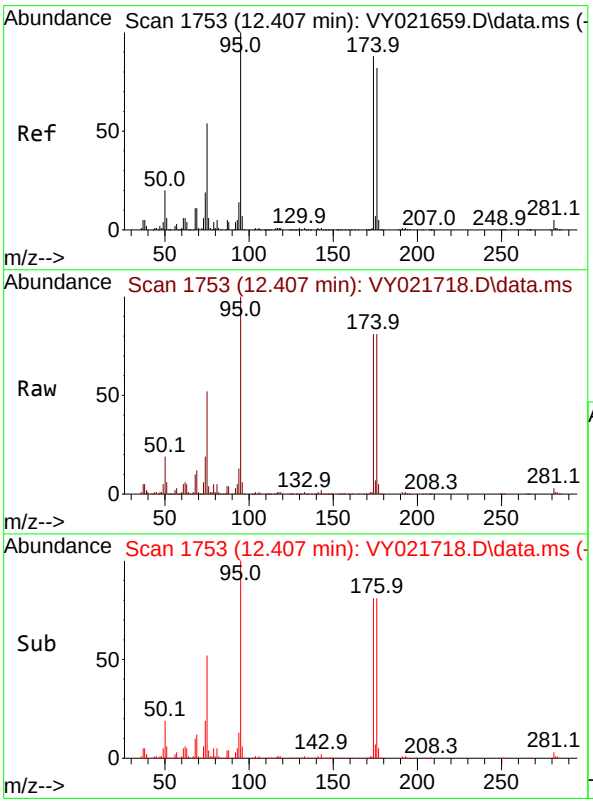
#50
Toluene-d8
Concen: 49.029 ug/l
RT: 10.109 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
P1

Tgt Ion: 98 Resp: 510650

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1

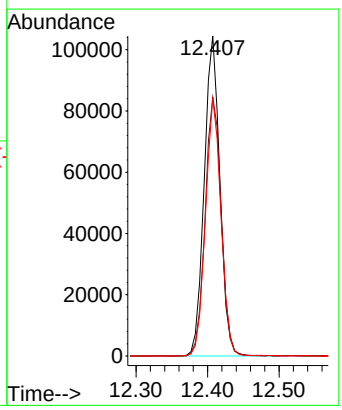


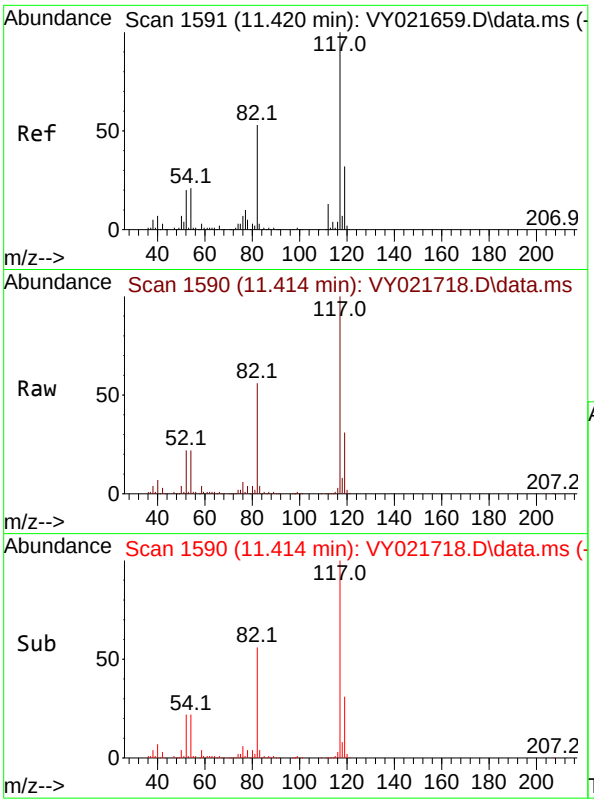


#62
4-Bromofluorobenzene
Concen: 45.039 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion: 95 Resp: 158668

Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	170.8
176	79.6	0.0	162.0



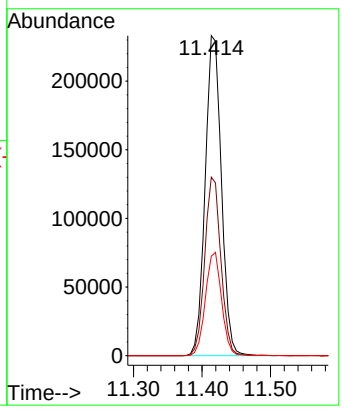


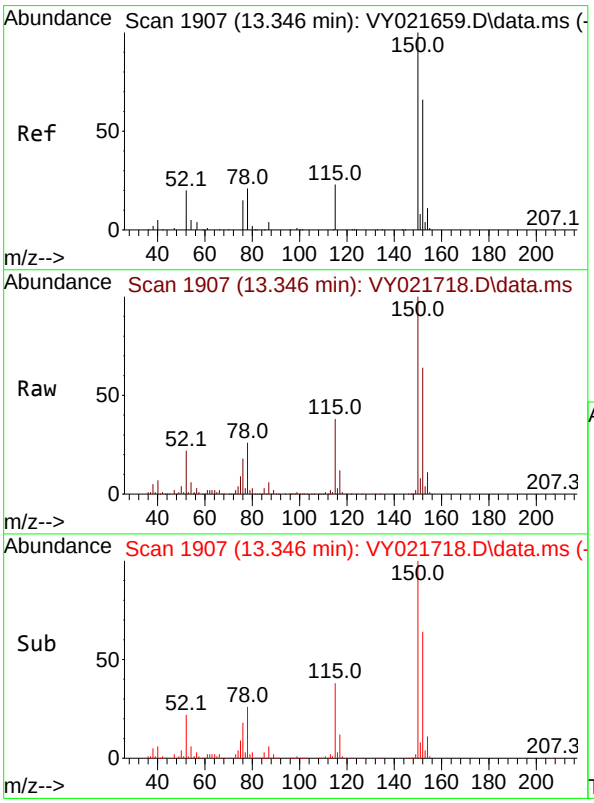
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Instrument :
MSVOA_Y
ClientSampleId :
P1

Tgt Ion:117 Resp: 384322

Ion	Ratio	Lower	Upper
117	100		
82	55.8	42.8	64.2
119	31.1	25.7	38.5

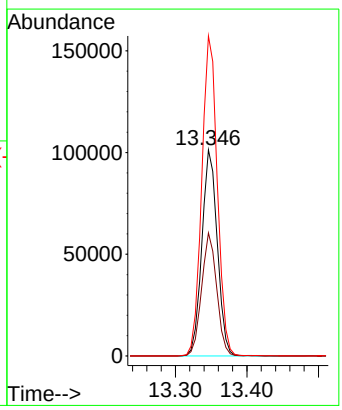




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021718.D
Acq: 31 Mar 2025 14:38

Tgt Ion:152 Resp: 151796

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.8	86.5
150	156.6	0.0	348.4



Sample Results: **VY021718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021718.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.488	119	126	134	rBV	4007	13965	1.02%	0.198%
2	4.616	466	475	485	rBV3	6315	18440	1.35%	0.261%
3	7.634	955	970	976	rBV	202362	485803	35.45%	6.871%
4	7.707	976	982	996	rVB	299589	681948	49.76%	9.645%
5	8.060	1030	1040	1052	rBV	177184	381881	27.86%	5.401%
6	8.615	1122	1131	1144	rBV	523561	1005200	73.34%	14.217%
7	10.109	1367	1376	1384	rBV	817336	1370519	100.00%	19.383%
8	11.414	1583	1590	1604	rBV	727704	1204691	87.90%	17.038%
9	12.407	1744	1753	1765	rBV	549252	869922	63.47%	12.303%
10	13.346	1896	1907	1917	rBV	631178	948902	69.24%	13.420%
11	13.889	1987	1996	2003	rBV2	53877	89340	6.52%	1.264%

Sum of corrected areas: 7070611

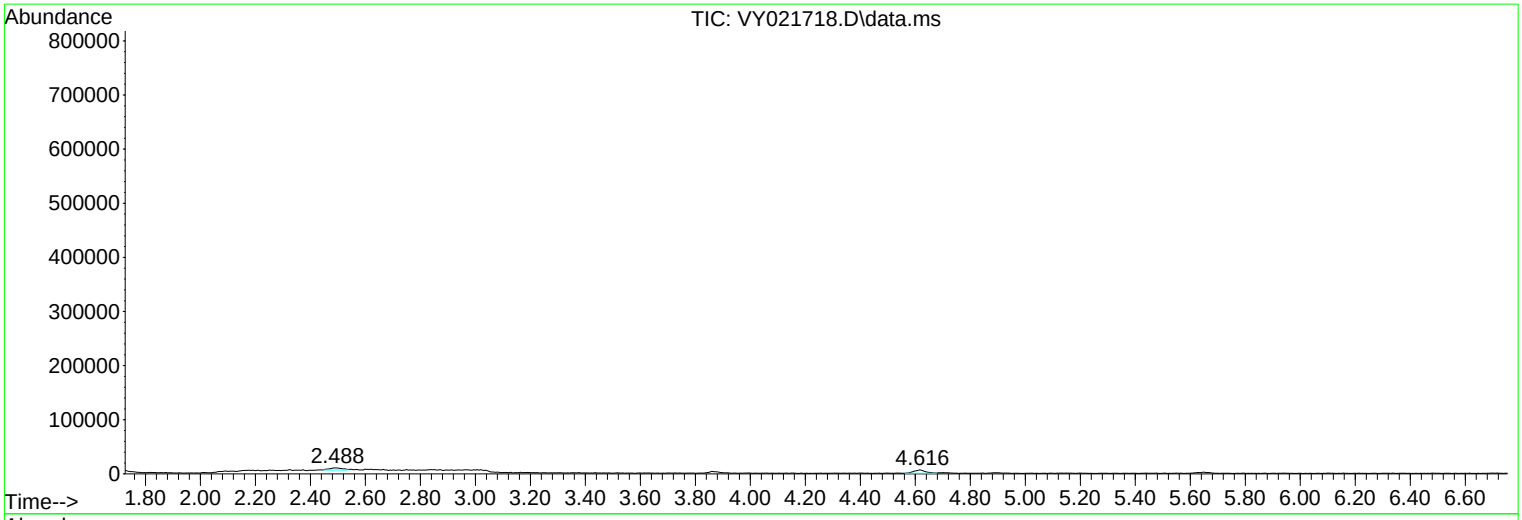
Sample Results: **VY021718.D**

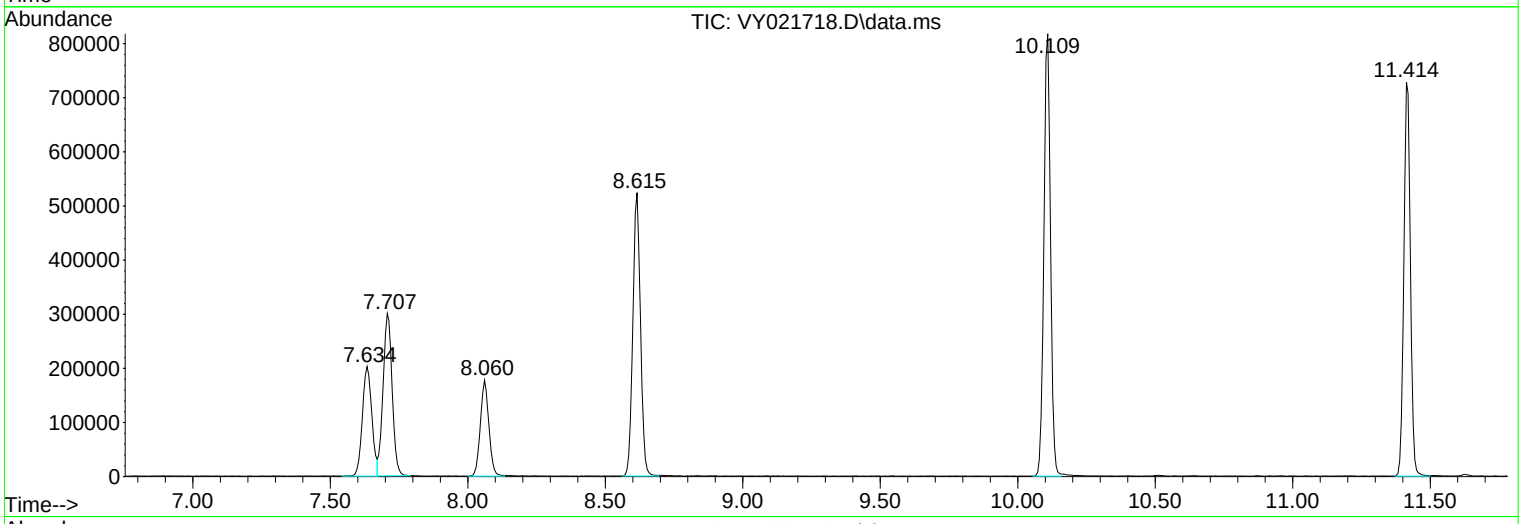
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

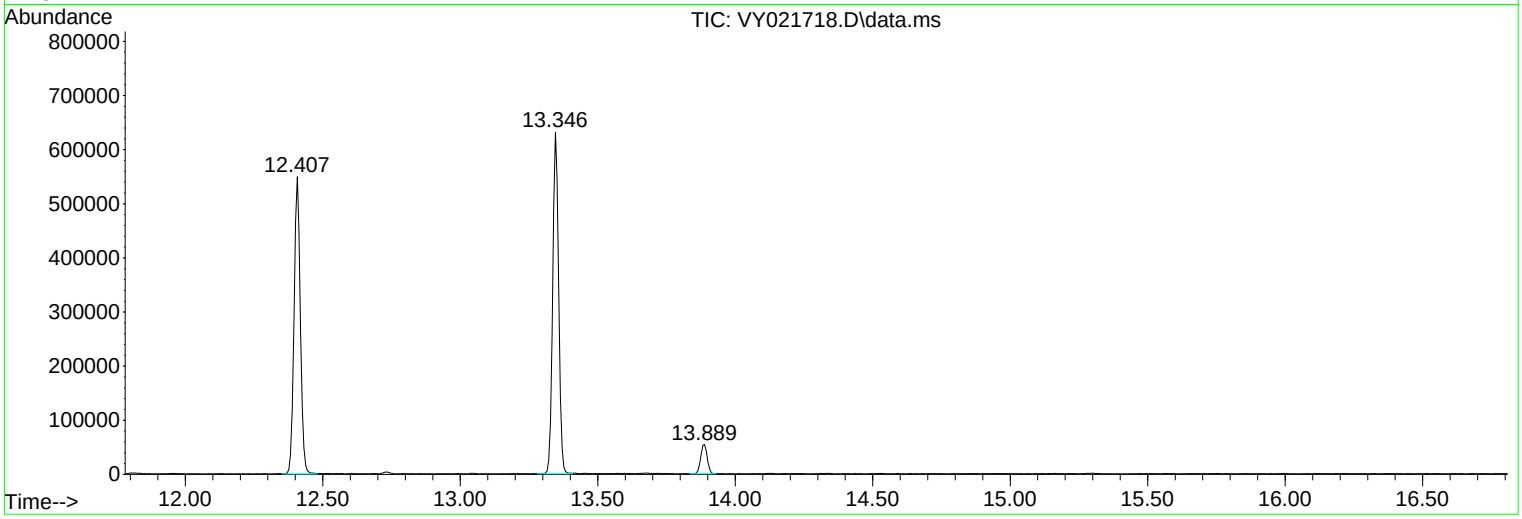
Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Sample Results: **VY021718.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021718.D
Acq On : 31 Mar 2025 14:38
Operator : SY/MD
Sample : Q1675-01
Misc : 5.13g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Time: Apr 01 05:37:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	223306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	416437	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	350907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	108429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126112	52.124	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.240%			
35) Dibromofluoromethane	7.634	113	138218	51.166	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.340%			
50) Toluene-d8	10.109	98	501186	48.769	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.540%			
62) 4-Bromofluorobenzene	12.408	95	131805	37.918	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 75.840%			

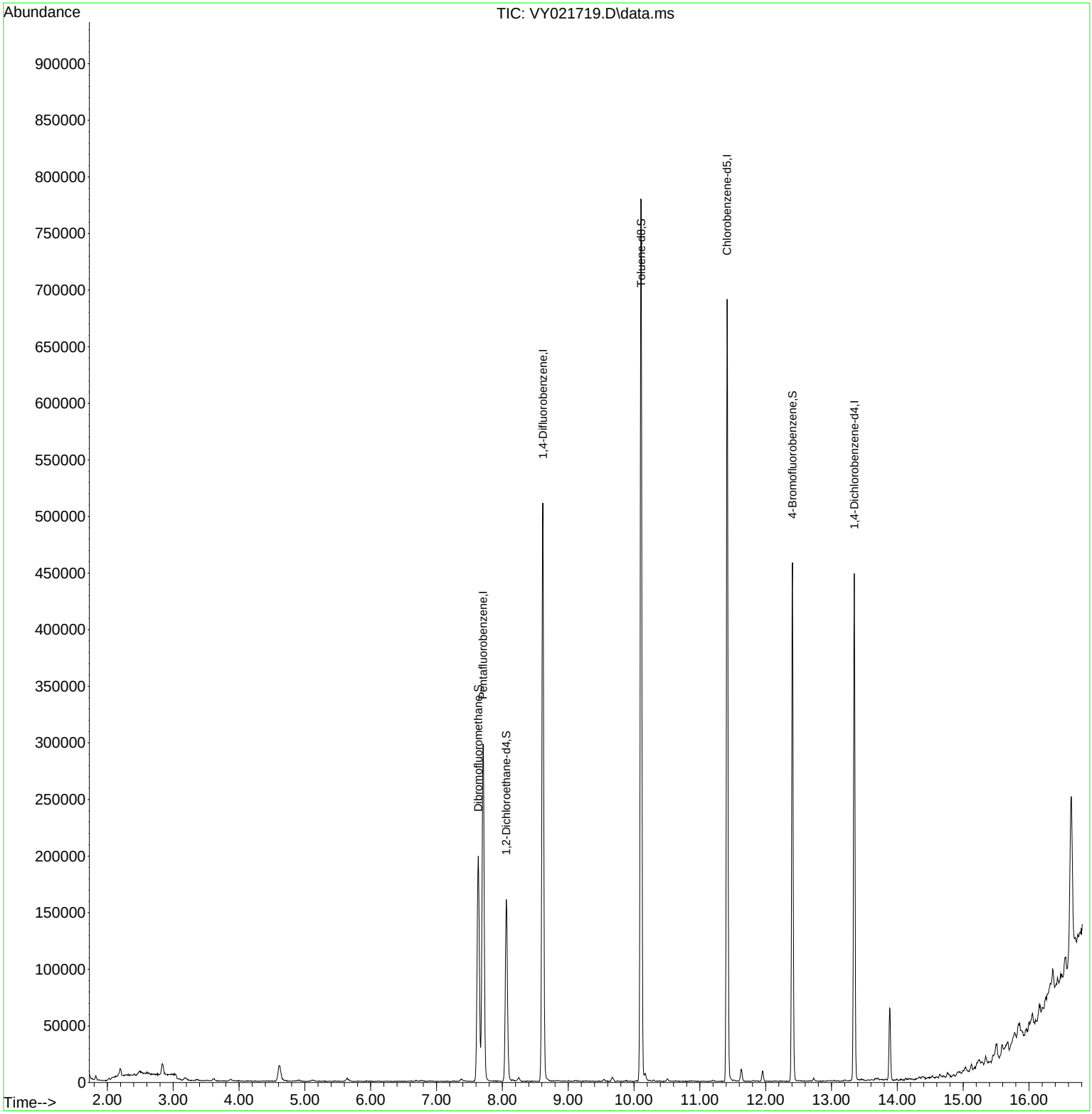
Target Compounds Qvalue

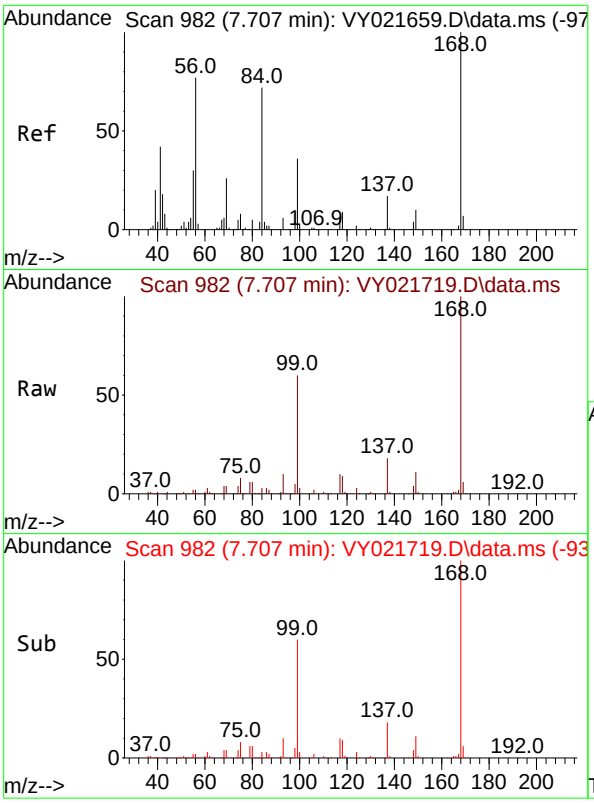
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Time: Apr 01 05:37:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



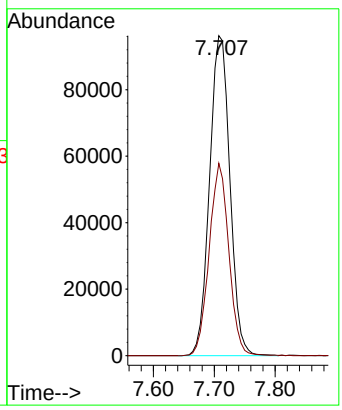


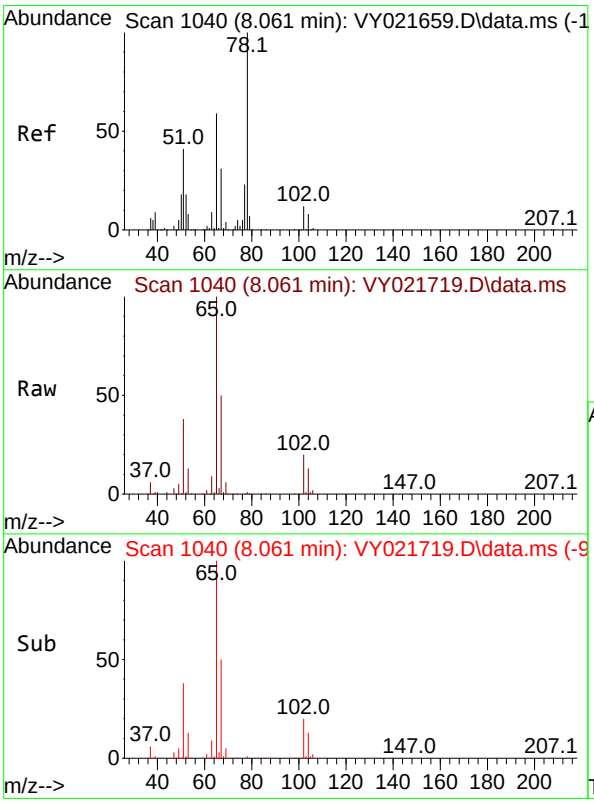
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion:168 Resp: 223306

Ion	Ratio	Lower	Upper
168	100		
99	60.1	46.7	70.1

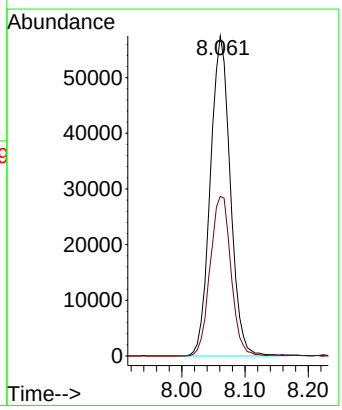


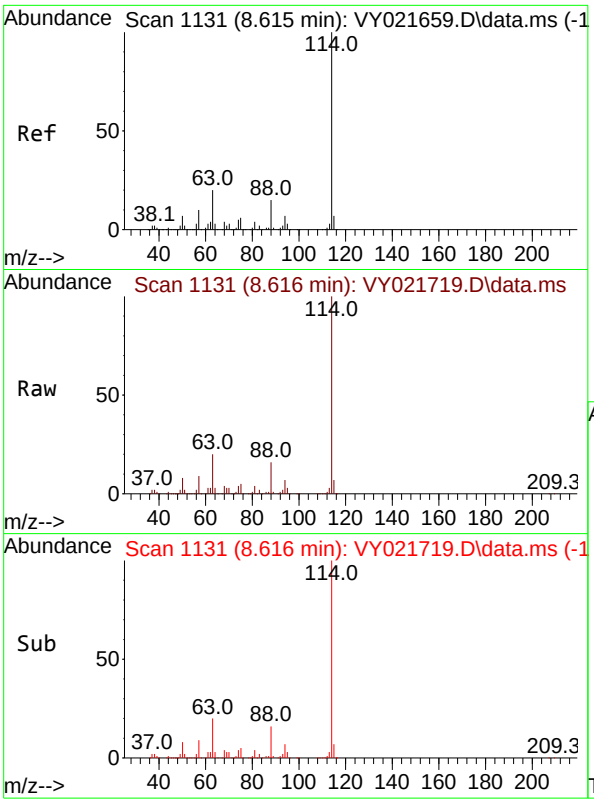


#33
1,2-Dichloroethane-d4
Concen: 52.124 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion: 65 Resp: 126112

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6



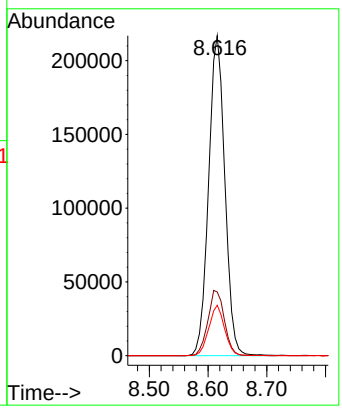


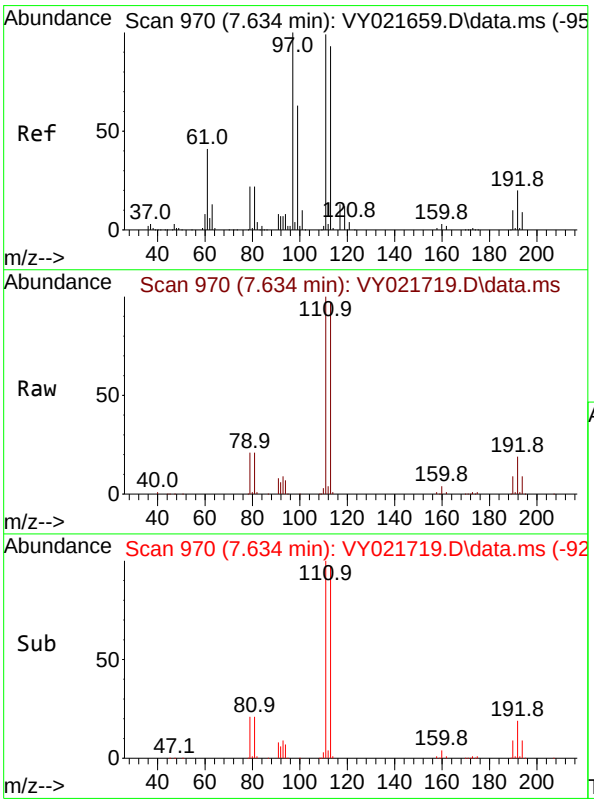
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion:114 Resp: 416437

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.2
88	15.8	0.0	29.8

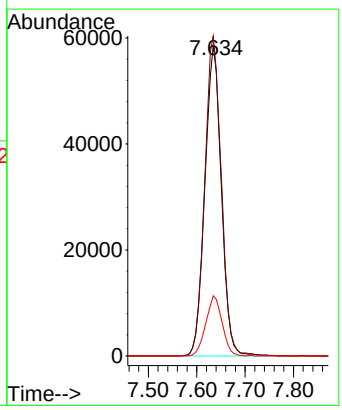


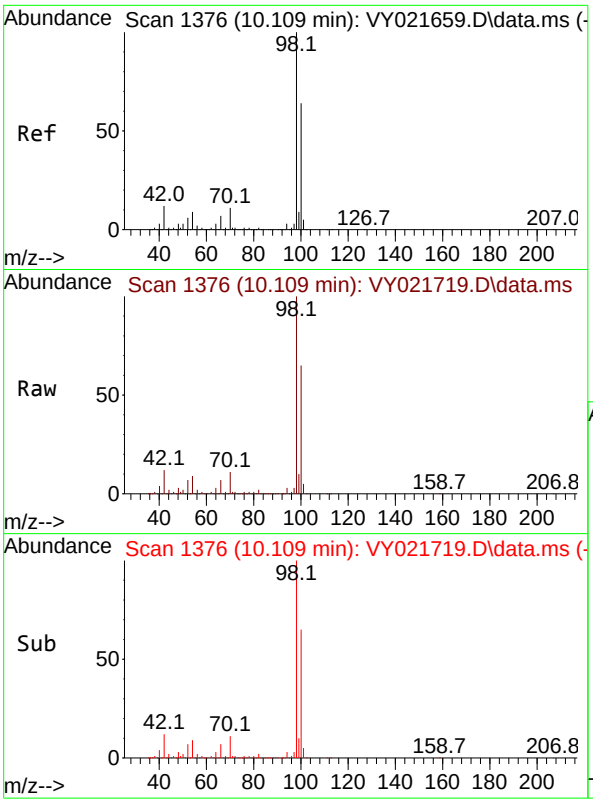


#35
Dibromofluoromethane
Concen: 51.166 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion:113 Resp: 138218

Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.6	123.8
192	19.2	16.2	24.4



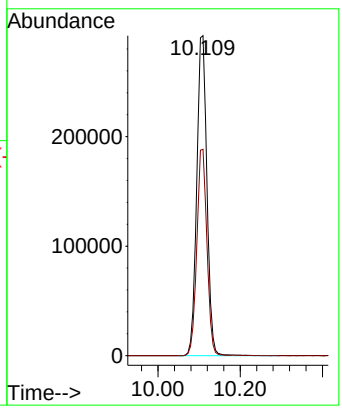


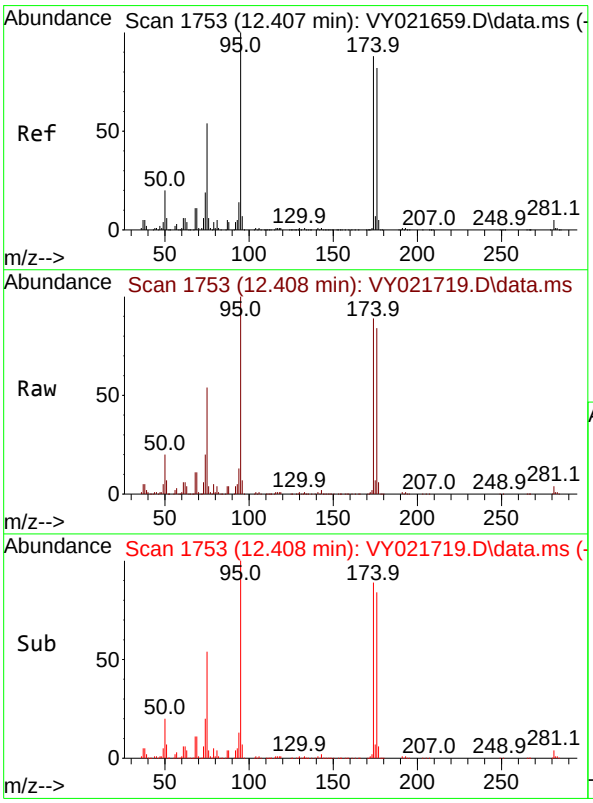
#50
Toluene-d8
Concen: 48.769 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion: 98 Resp: 501186

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.1	78.1

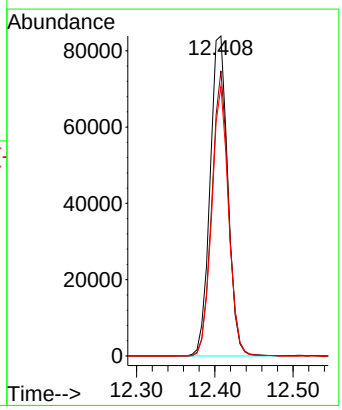


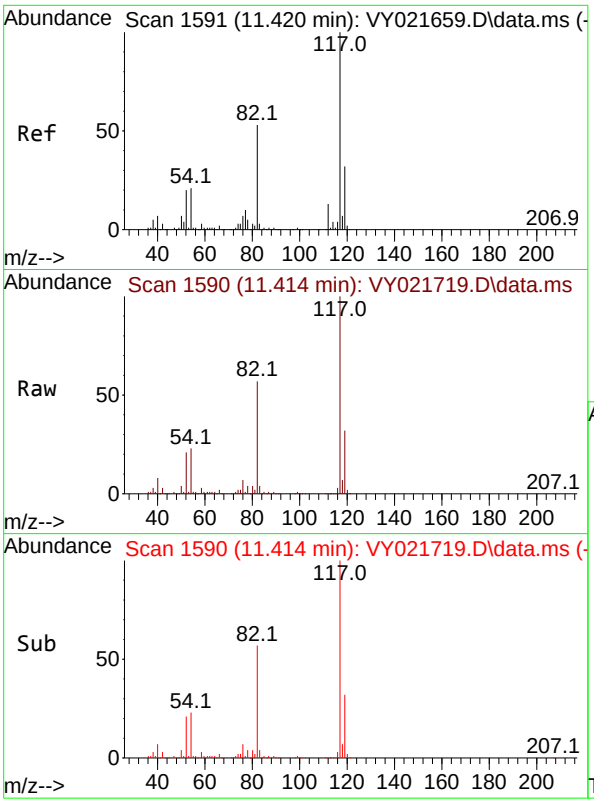


#62
4-Bromofluorobenzene
Concen: 37.918 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion: 95 Resp: 131805

Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	170.8
176	79.9	0.0	162.0



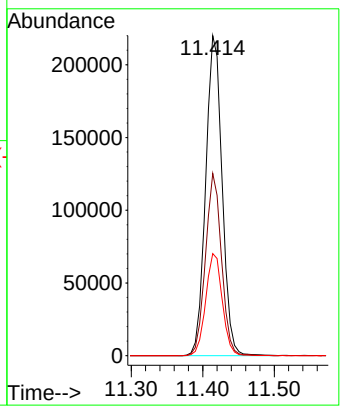


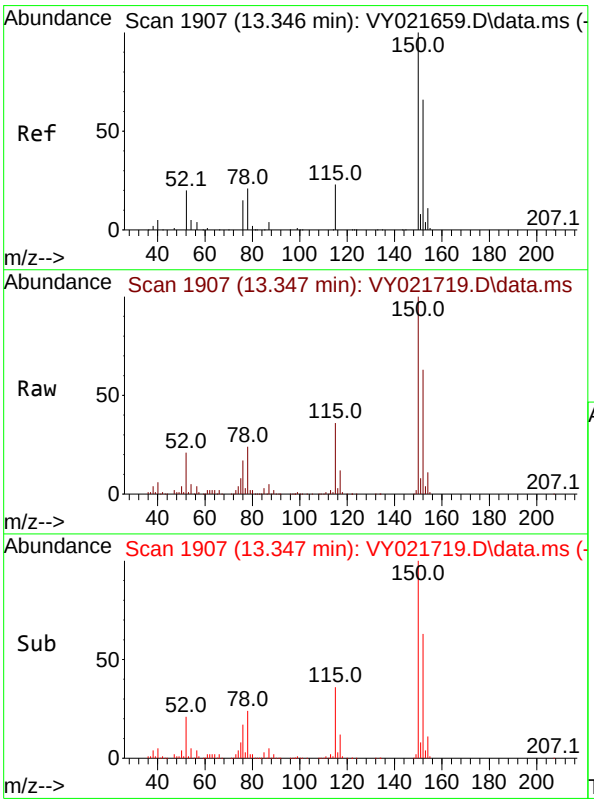
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :
P5

Tgt Ion:117 Resp: 350907

Ion	Ratio	Lower	Upper
117	100		
82	57.0	42.8	64.2
119	31.9	25.7	38.5

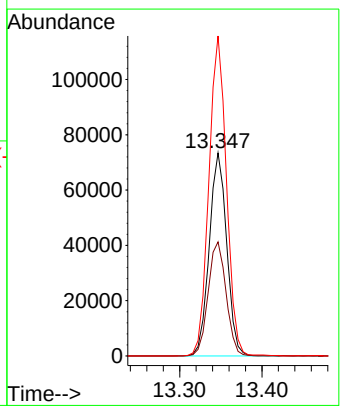




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021719.D
Acq: 31 Mar 2025 15:01

Tgt Ion:152 Resp: 108429

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	158.4	0.0	348.4



Sample Results: **VY021719.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021719.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.836	178	183	188	rBV3	9155	18231	1.36%	0.261%
2	4.616	464	475	482	rBV2	13936	43228	3.22%	0.618%
3	7.634	958	970	976	rBV	199111	474842	35.43%	6.790%
4	7.707	976	982	998	rVB	297761	681408	50.84%	9.744%
5	8.061	1029	1040	1052	rBV	160679	363231	27.10%	5.194%
6	8.616	1119	1131	1147	rBV	511164	998708	74.51%	14.281%
7	10.103	1367	1375	1383	rBV	779519	1340409	100.00%	19.167%
8	11.414	1583	1590	1604	rBV	690926	1107955	82.66%	15.843%
9	11.627	1619	1625	1633	rVB3	10728	20864	1.56%	0.298%
10	11.950	1673	1678	1684	rVB	9231	15807	1.18%	0.226%
11	12.408	1744	1753	1764	rBV	458363	724756	54.07%	10.363%
12	13.347	1898	1907	1915	rBV	448193	678030	50.58%	9.695%
13	13.883	1989	1995	2002	rVB2	63615	105483	7.87%	1.508%
14	15.511	2249	2262	2268	rBV2	15046	50096	3.74%	0.716%
15	15.590	2272	2275	2279	rBV6	8741	15919	1.19%	0.228%
16	16.645	2441	2448	2456	rBV3	136087	354466	26.44%	5.069%

Sum of corrected areas: 6993433

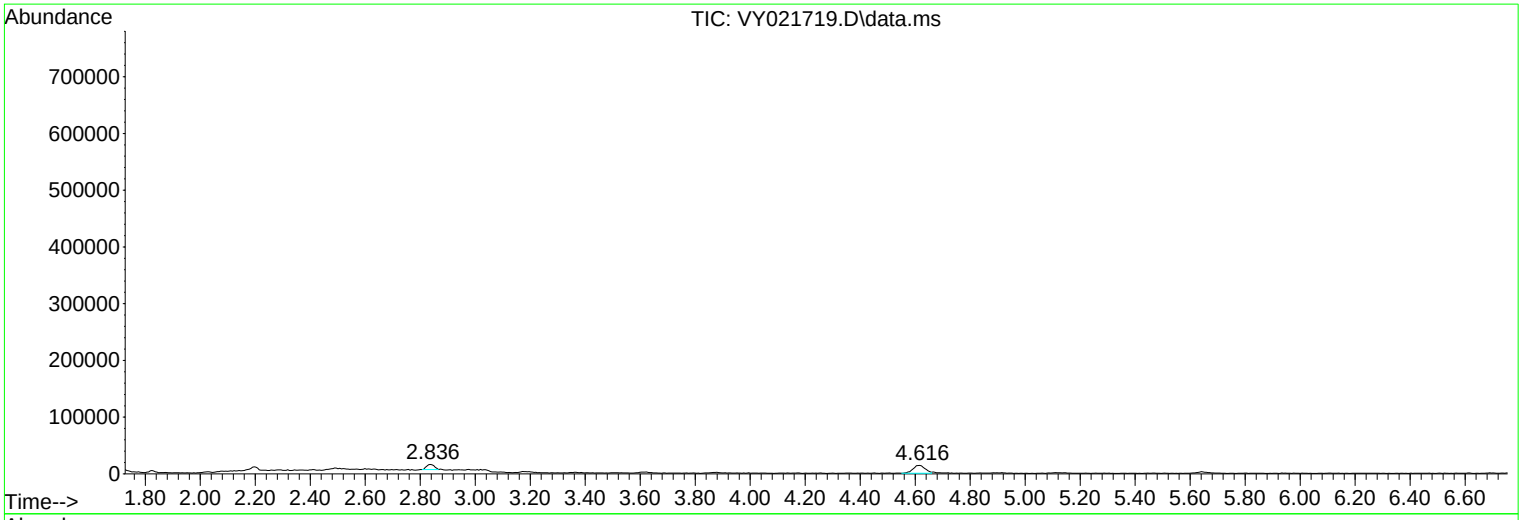
Sample Results: **VY021719.D**

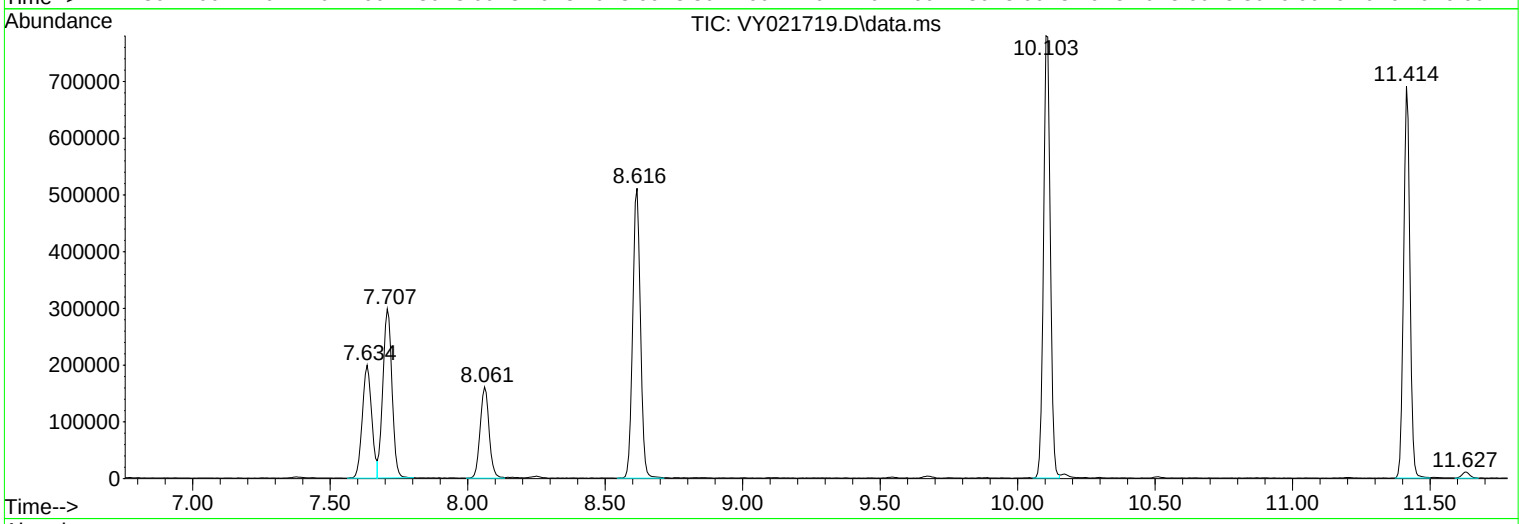
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

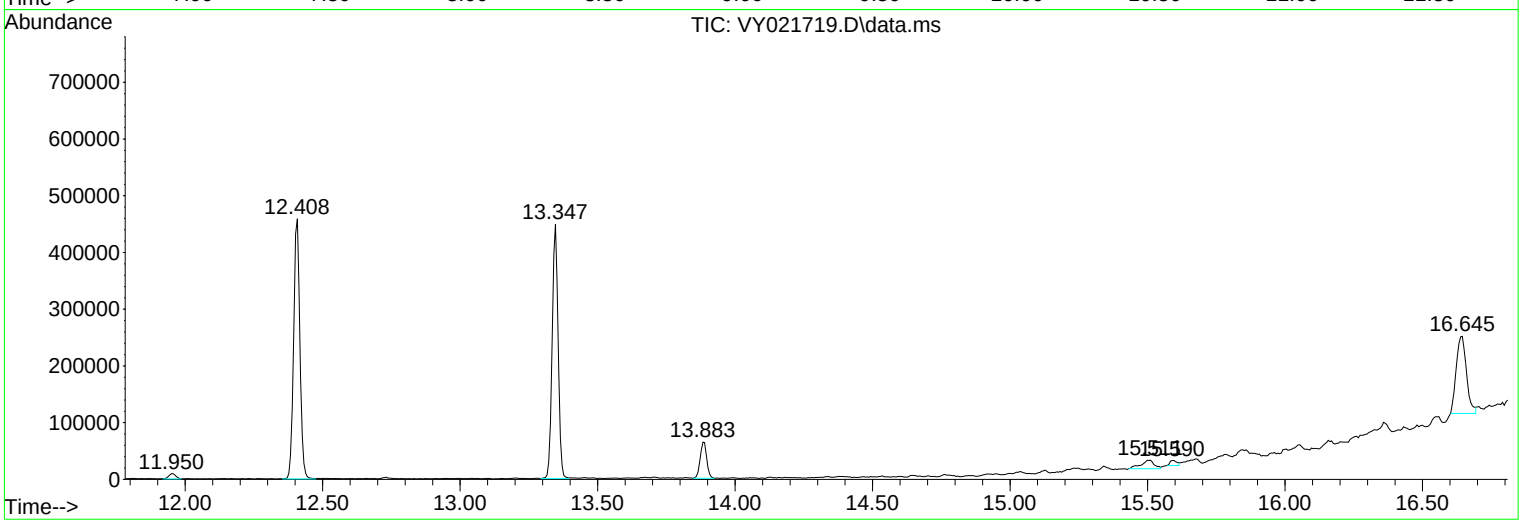
Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

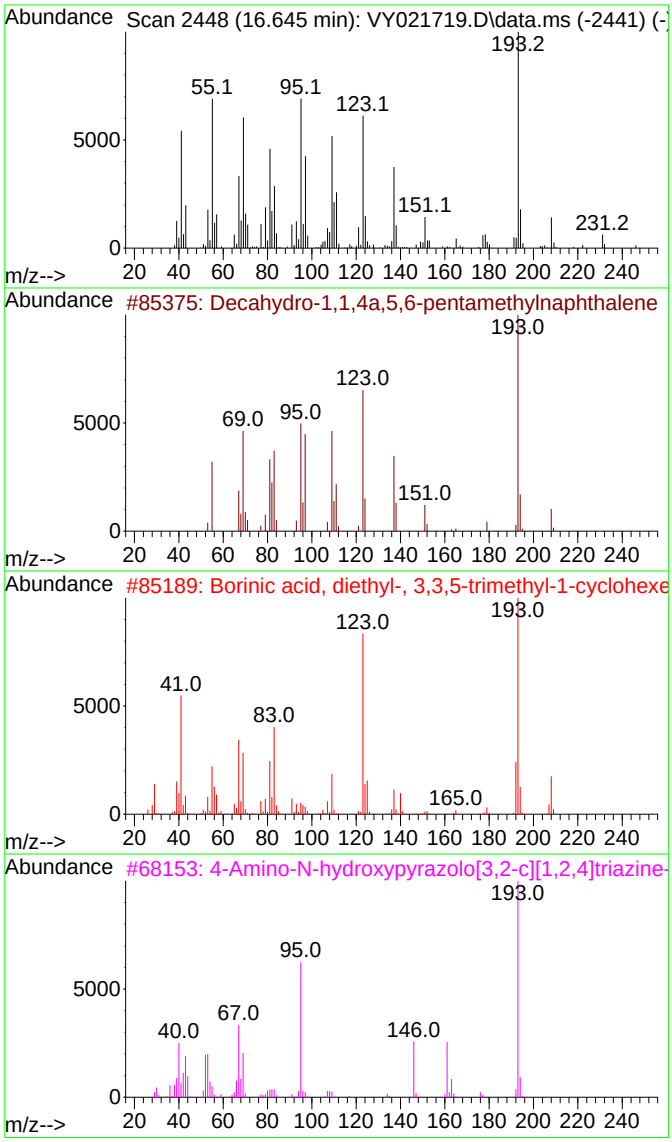
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

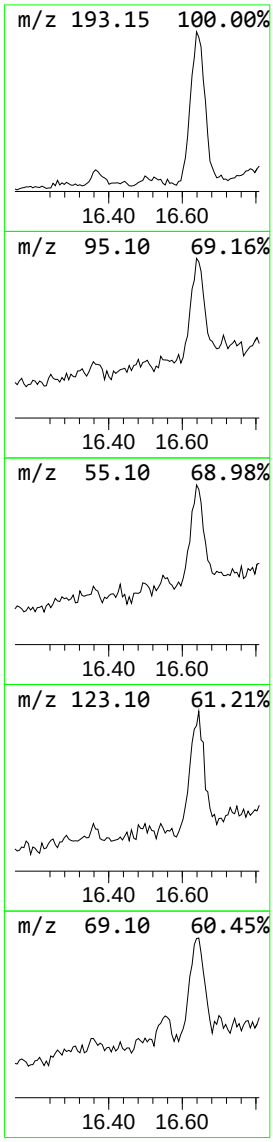
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.645	26.14 ug/l	354466	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	98
2	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	43
3	4-Amino-N-hydroxypyrazolo[3,2-c]...	193	C6H7N7O	1000443-50-2	30
4	Benzenamine, 4-(hexyloxy)-	193	C12H19NO	039905-57-2	22
5	4-Isopropylphenol, TMS derivative	208	C12H20OSi	1000373-17-4	20





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021719.D
Acq On : 31 Mar 2025 15:01
Operator : SY/MD
Sample : Q1675-05
Misc : 4.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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
Decahydro-1,1,4...	16.645	26.1	ug/l	354466	4	13.347	678030	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Time: Apr 01 05:37:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	224475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	430734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	421727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	189318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133957	55.078	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.160%			
35) Dibromofluoromethane	7.634	113	141873	50.776	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.560%			
50) Toluene-d8	10.103	98	547563	51.513	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.020%			
62) 4-Bromofluorobenzene	12.401	95	199630	55.523	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.040%			

Target Compounds Qvalue

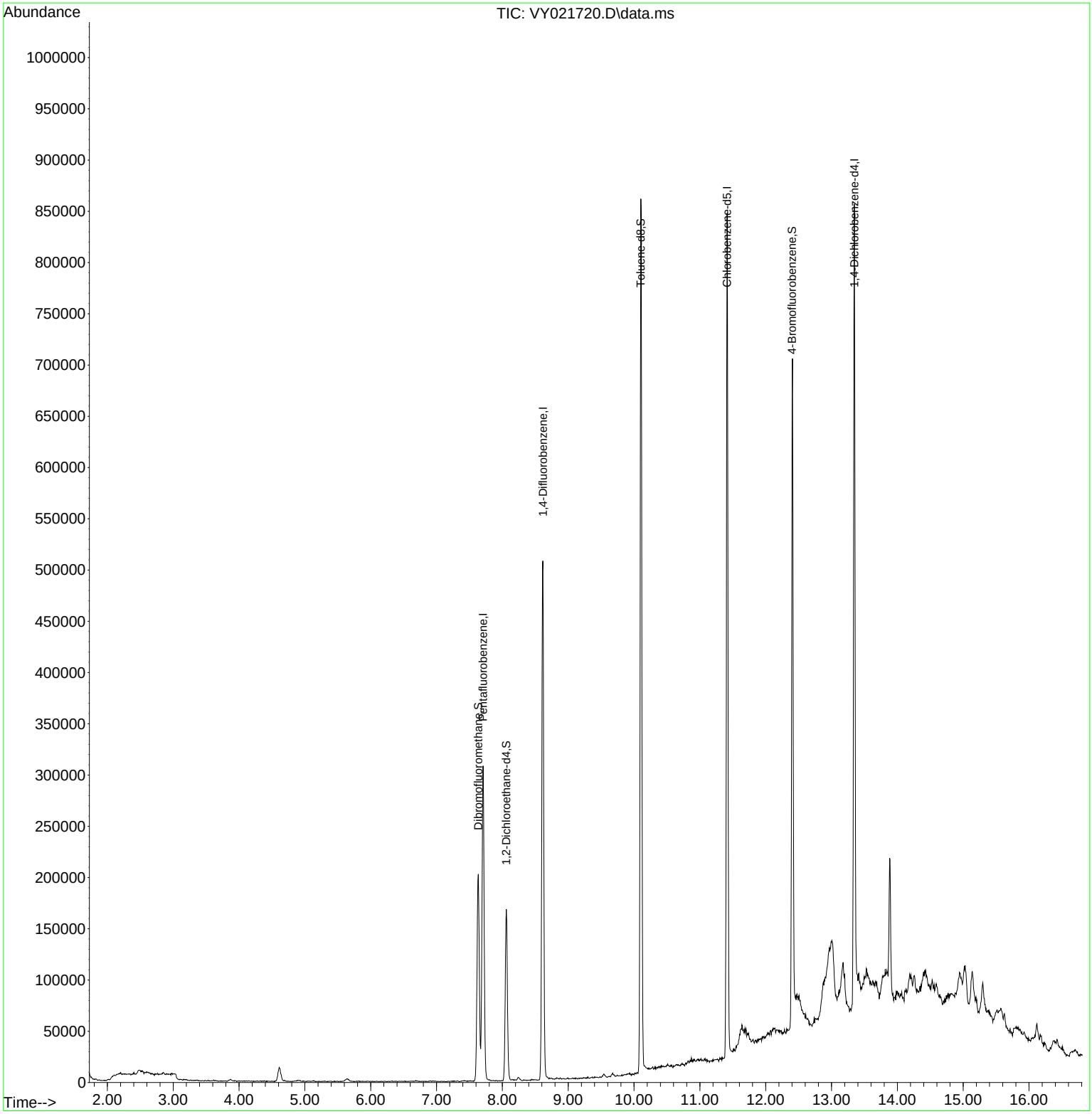
(#) = qualifier out of range (m) = manual integration (+) = signals summed

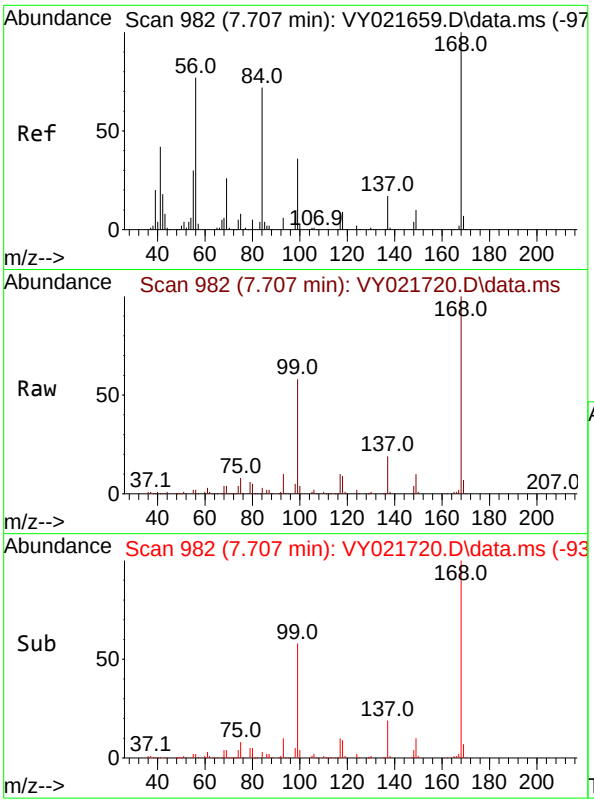
Sample Results: **VY021720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Time: Apr 01 05:37:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



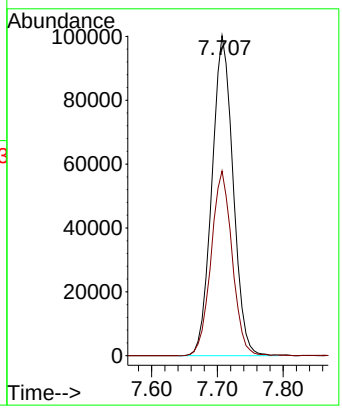


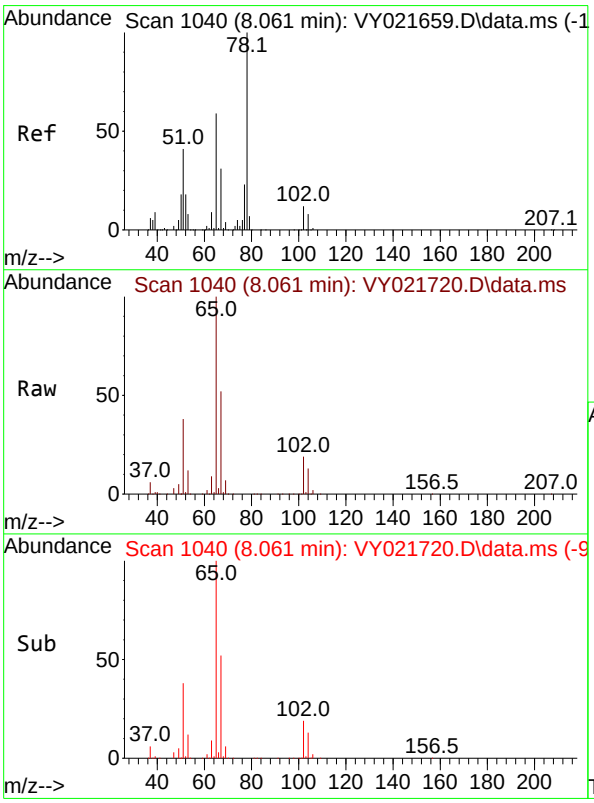
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
P6

Tgt Ion:168 Resp: 224475

Ion	Ratio	Lower	Upper
168	100		
99	57.7	46.7	70.1

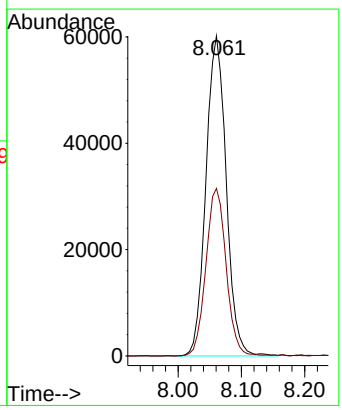


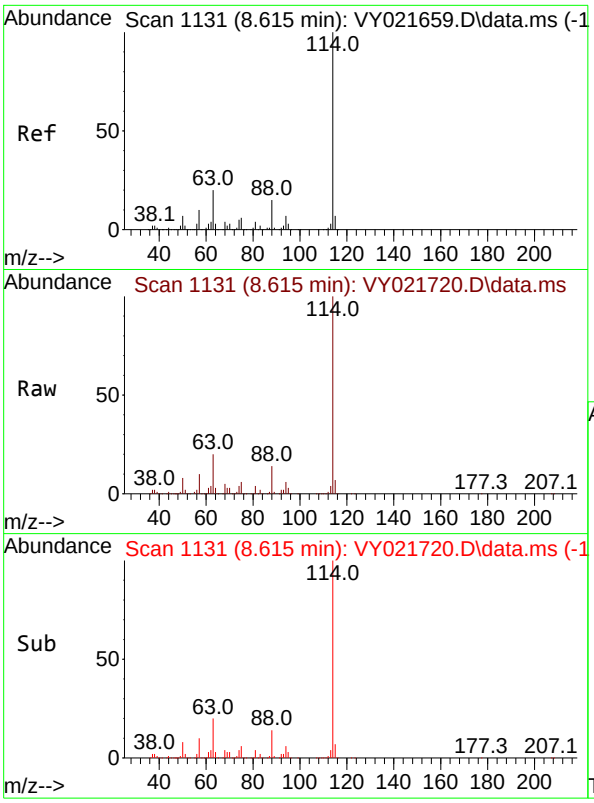


#33
1,2-Dichloroethane-d4
Concen: 55.078 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion: 65 Resp: 133957

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.6



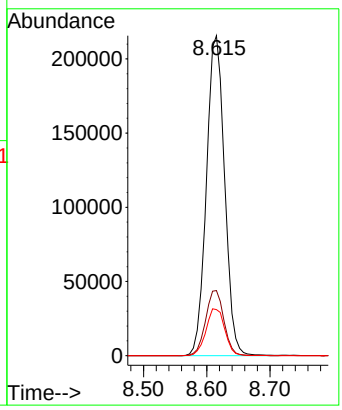


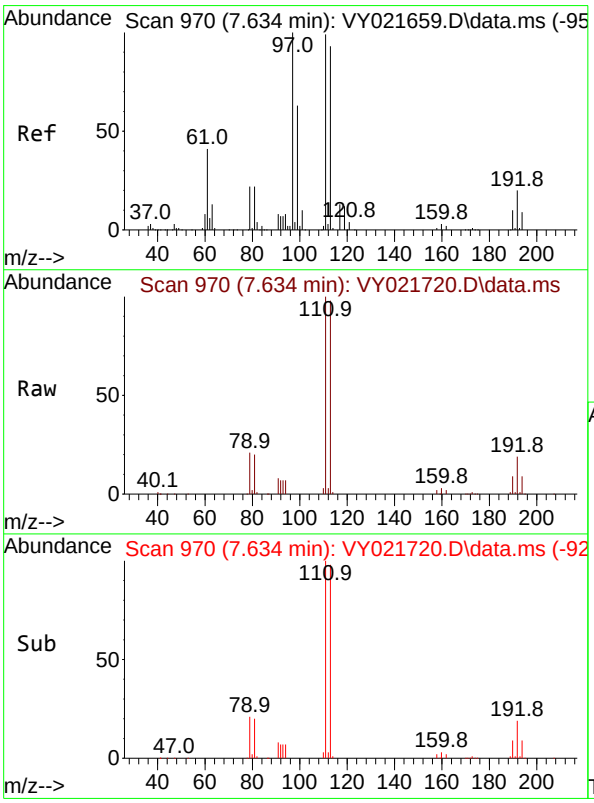
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
P6

Tgt Ion:114 Resp: 430734

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.2
88	14.4	0.0	29.8

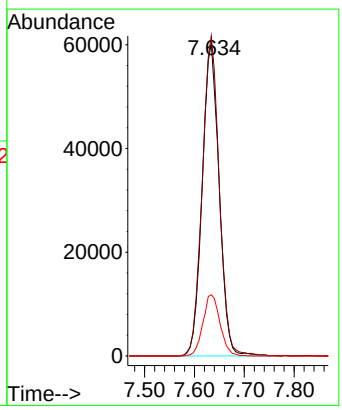


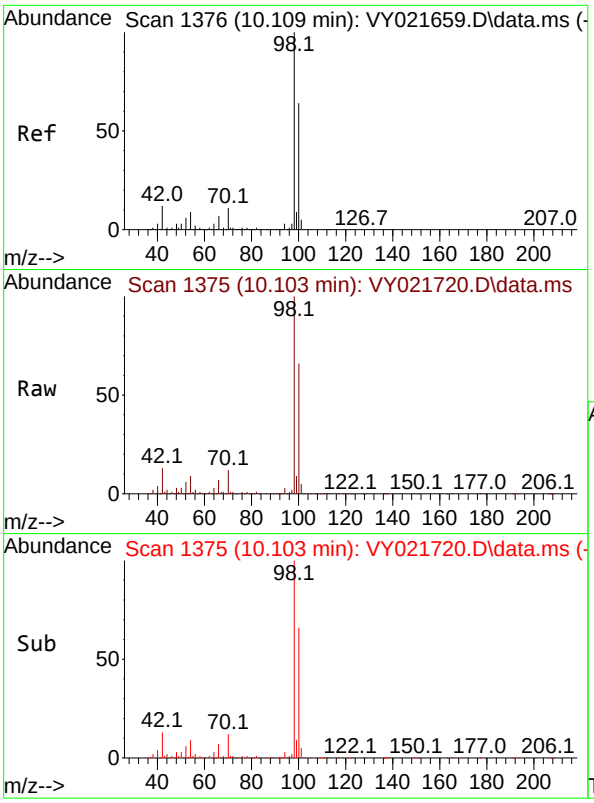


#35
Dibromofluoromethane
Concen: 50.776 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion:113 Resp: 141873

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	19.8	16.2	24.4



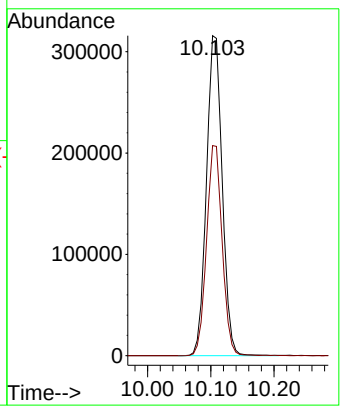


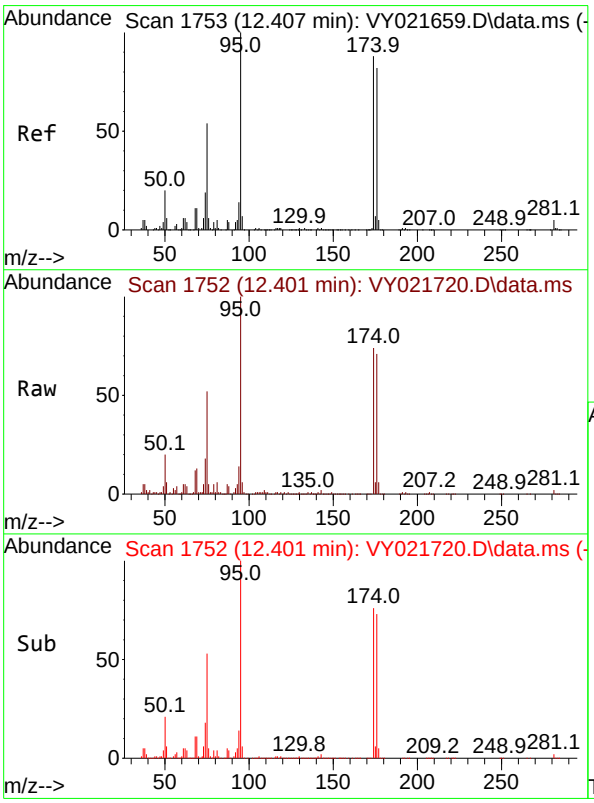
#50
Toluene-d8
Concen: 51.513 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
P6

Tgt Ion: 98 Resp: 547563

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1

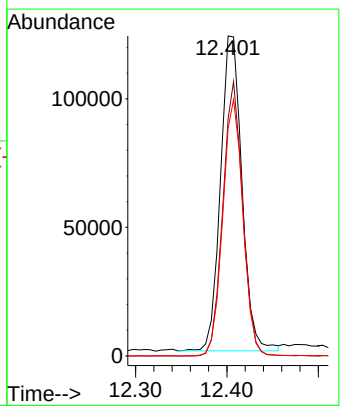


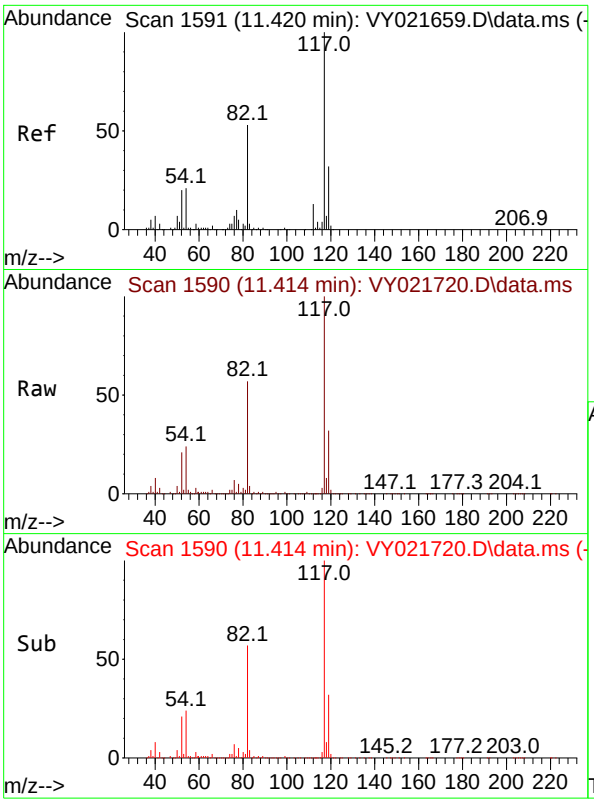


#62
4-Bromofluorobenzene
Concen: 55.523 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion: 95 Resp: 199630

Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	170.8
176	77.0	0.0	162.0



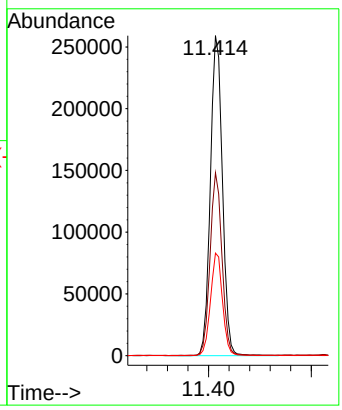


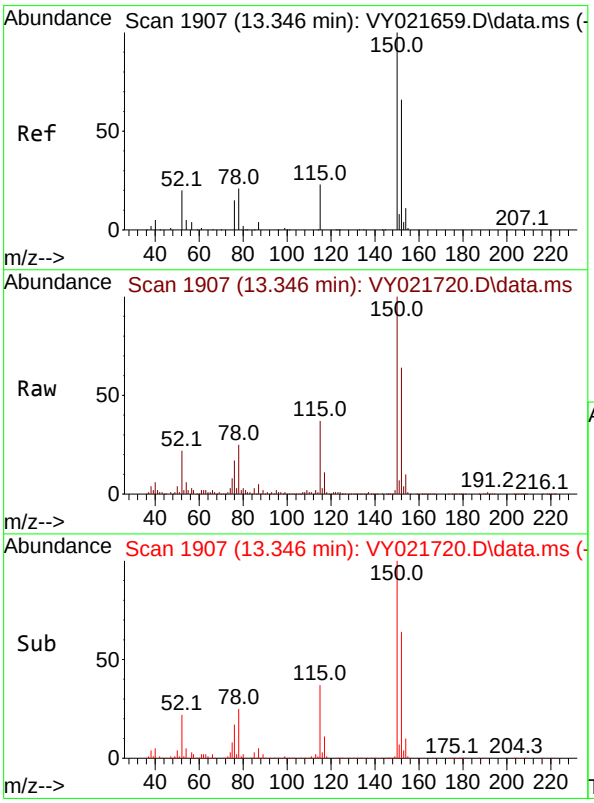
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Instrument :
MSVOA_Y
ClientSampleId :
P6

Tgt Ion:117 Resp: 421727

Ion	Ratio	Lower	Upper
117	100		
82	57.1	42.8	64.2
119	32.0	25.7	38.5

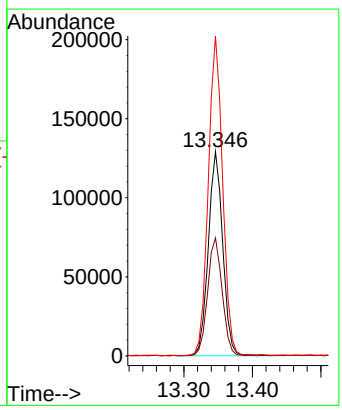




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021720.D
Acq: 31 Mar 2025 15:25

Tgt Ion:152 Resp: 189318

Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.8	86.5
150	155.2	0.0	348.4



Sample Results: **VY021720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021720.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	466	474	485	rVB2	13173	38727	2.61%	0.482%
2	7.634	958	970	976	rBV	202163	489029	33.00%	6.088%
3	7.707	976	982	996	rVB	306826	683188	46.10%	8.505%
4	8.061	1031	1040	1052	rBV	167460	379113	25.58%	4.719%
5	8.615	1121	1131	1141	rBV	506513	1026333	69.25%	12.776%
6	10.103	1368	1375	1383	rBV	853531	1482083	100.00%	18.450%
7	11.414	1583	1590	1601	rBV	824717	1344846	90.74%	16.741%
8	12.407	1747	1753	1760	rBV	651974	1083714	73.12%	13.491%
9	13.346	1901	1907	1914	rBV	781522	1206554	81.41%	15.020%
10	13.883	1991	1995	2002	rVB2	133512	232078	15.66%	2.889%
11	15.139	2196	2201	2208	rVB10	28737	67387	4.55%	0.839%

Sum of corrected areas: 8033052

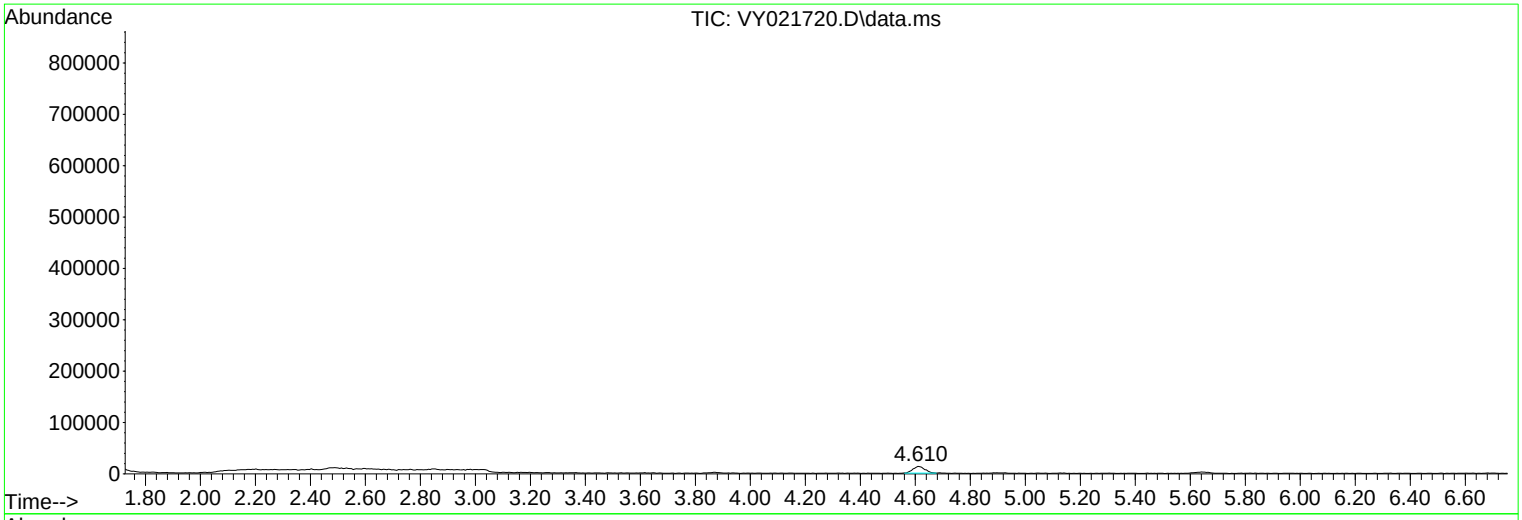
Sample Results: **VY021720.D**

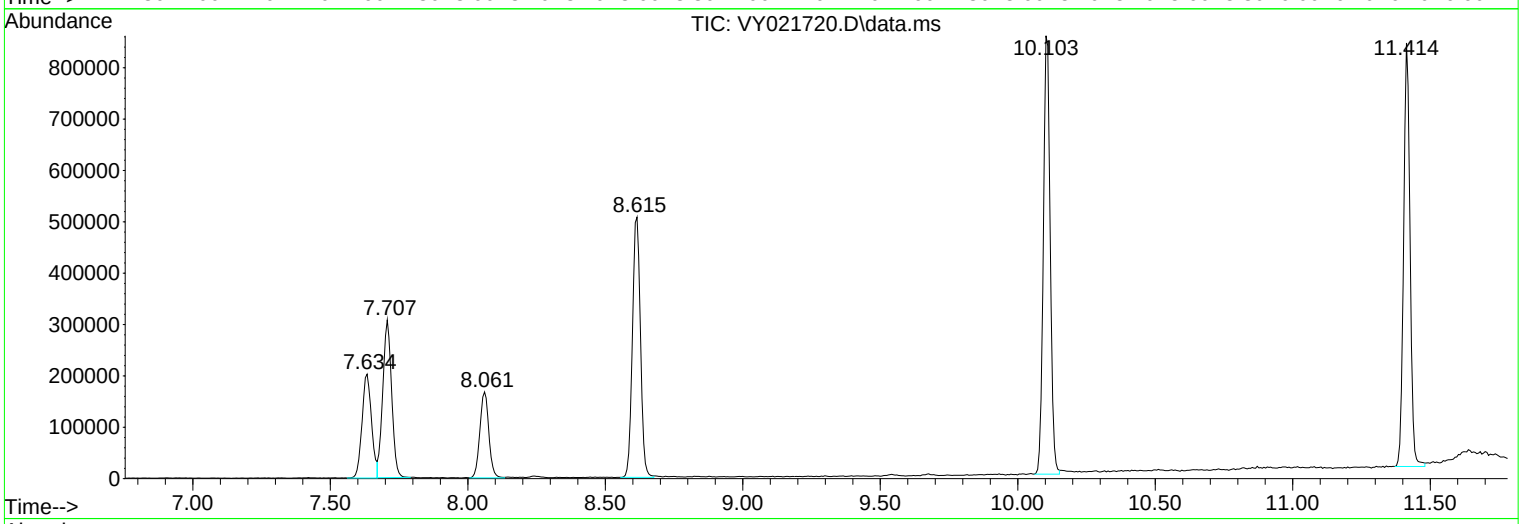
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

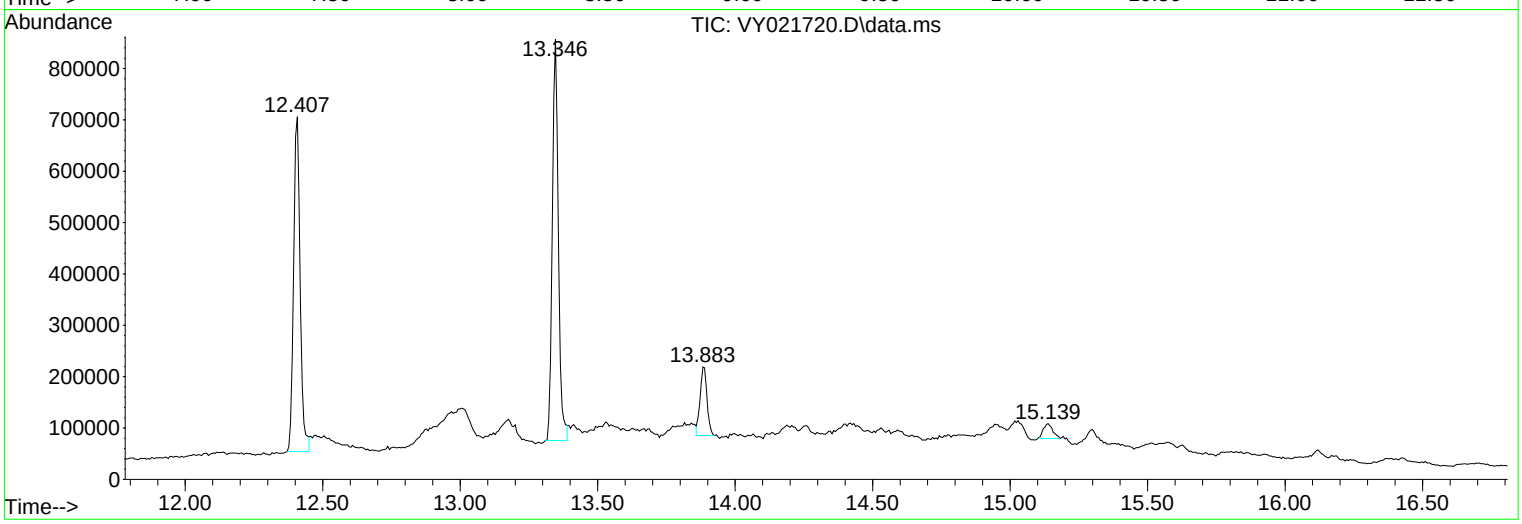
Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY021720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021720.D
Acq On : 31 Mar 2025 15:25
Operator : SY/MD
Sample : Q1675-06
Misc : 4.17g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
P6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Time: Apr 01 05:38:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	241201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	454127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	421197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141630	54.195	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.380%			
35) Dibromofluoromethane	7.634	113	149815	50.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.720%			
50) Toluene-d8	10.103	98	561423	50.096	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.408	95	190188	50.172	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.340%			

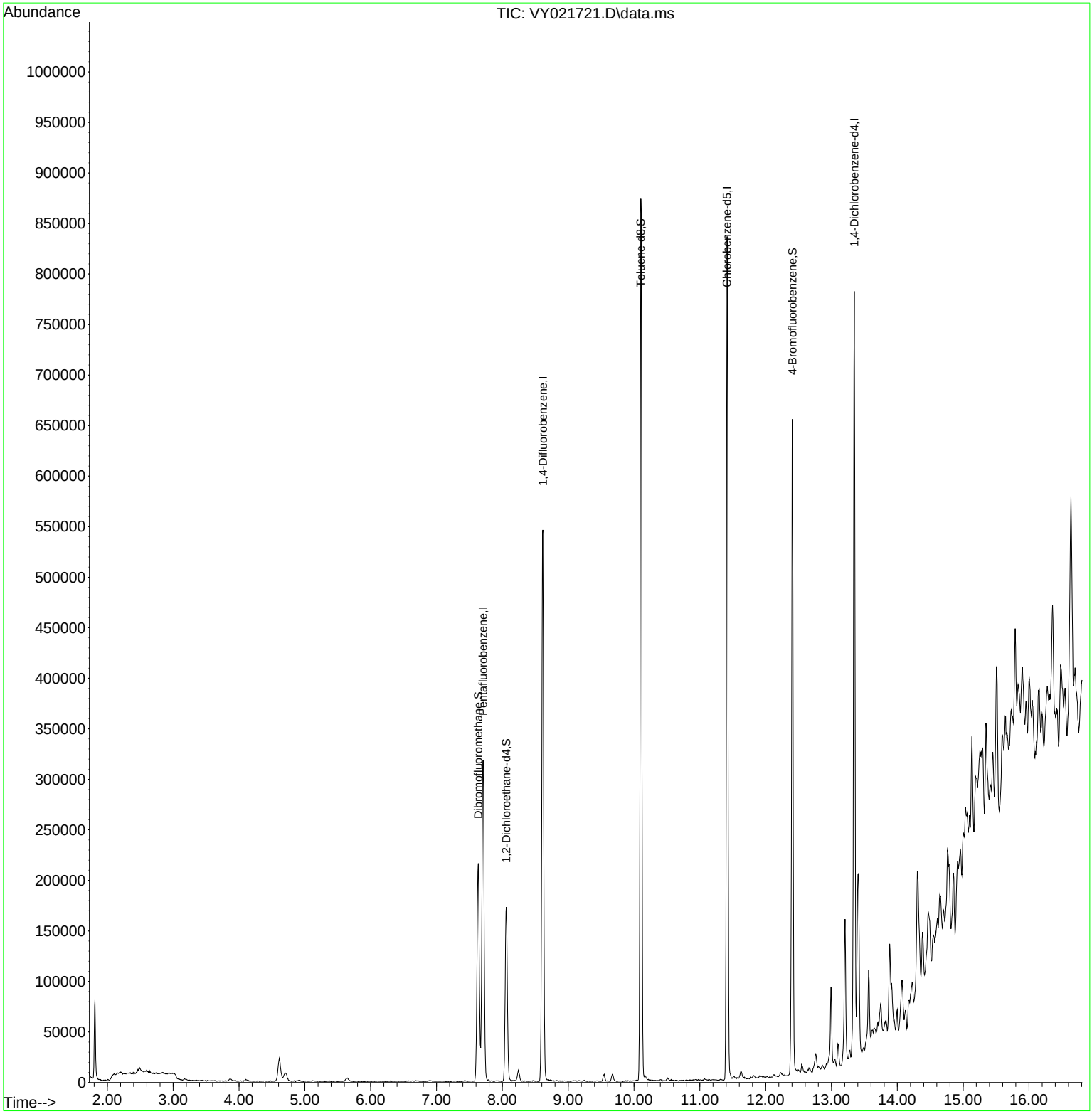
Target Compounds	Qvalue

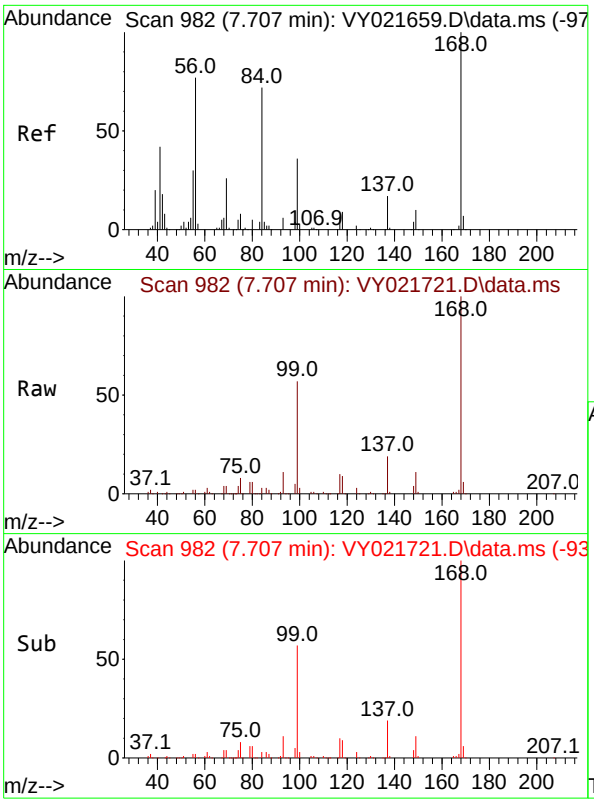
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Time: Apr 01 05:38:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



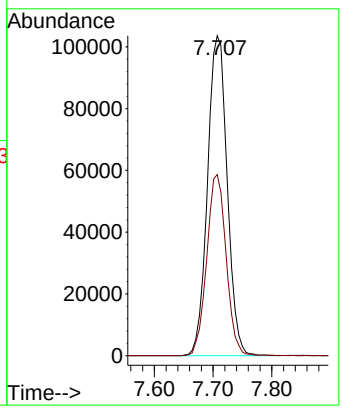


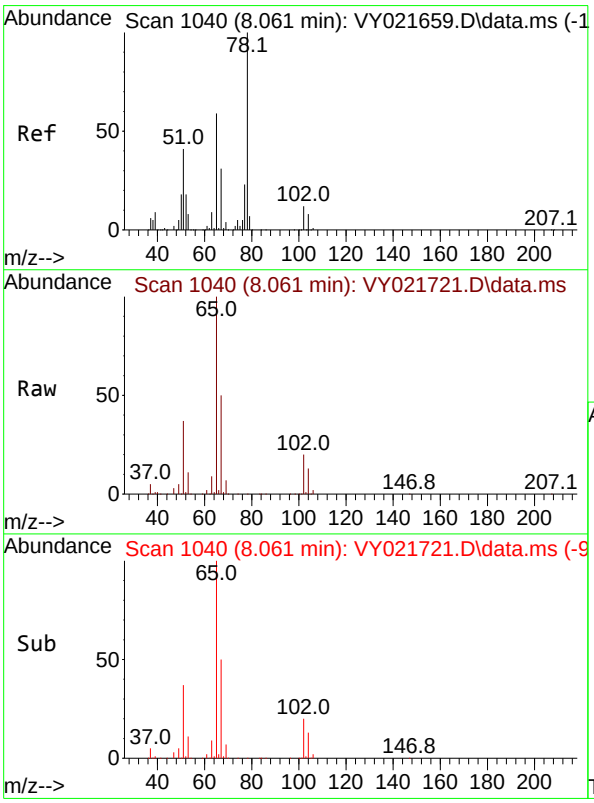
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
T1

Tgt Ion:168 Resp: 241201

Ion	Ratio	Lower	Upper
168	100		
99	56.6	46.7	70.1

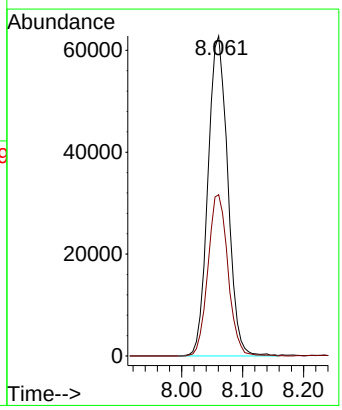


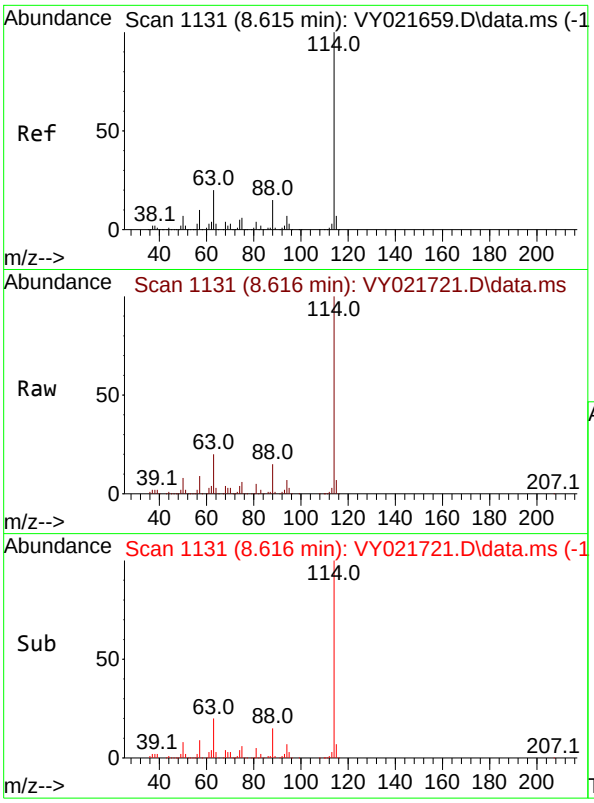


#33
1,2-Dichloroethane-d4
Concen: 54.195 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion: 65 Resp: 141630

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.6



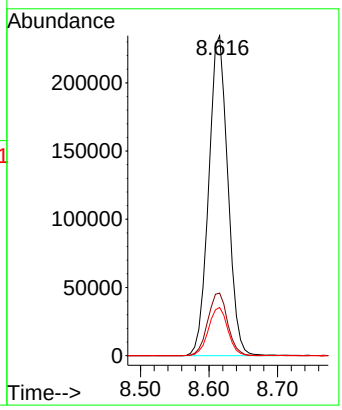


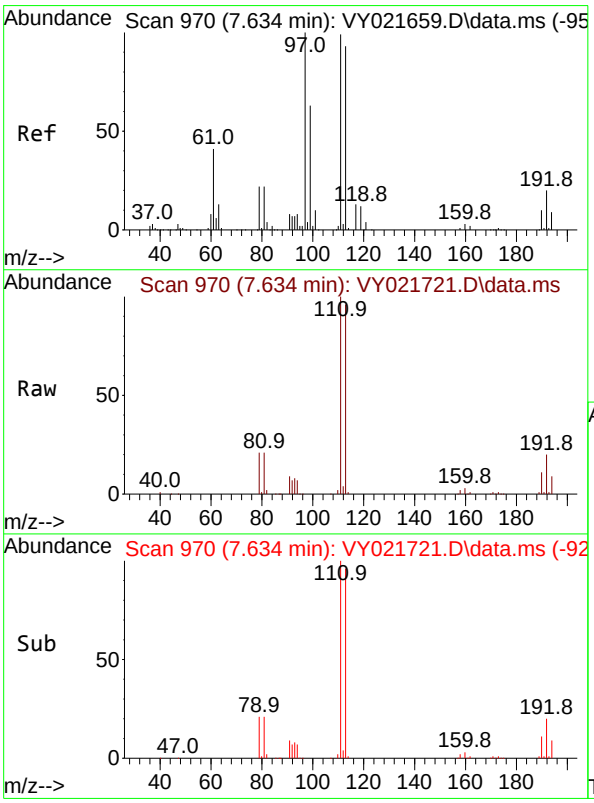
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
T1

Tgt Ion:114 Resp: 454127

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.2
88	15.0	0.0	29.8

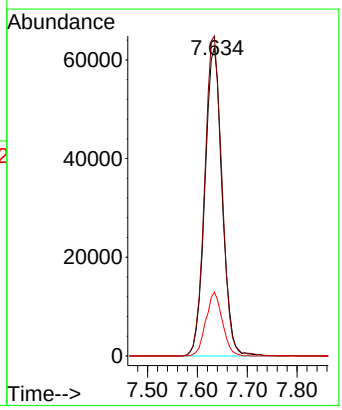


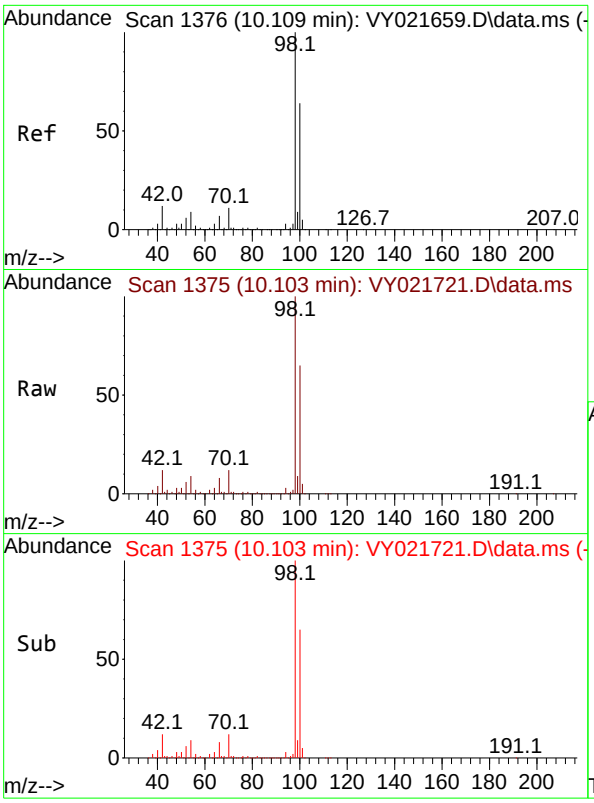


#35
Dibromofluoromethane
Concen: 50.856 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion:113 Resp: 149815

Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	123.8
192	19.8	16.2	24.4



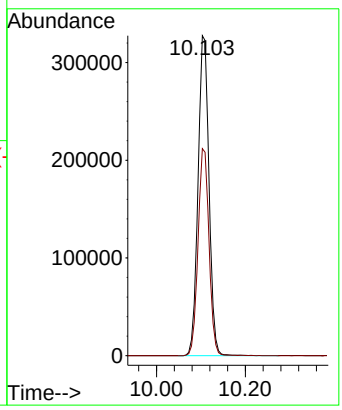


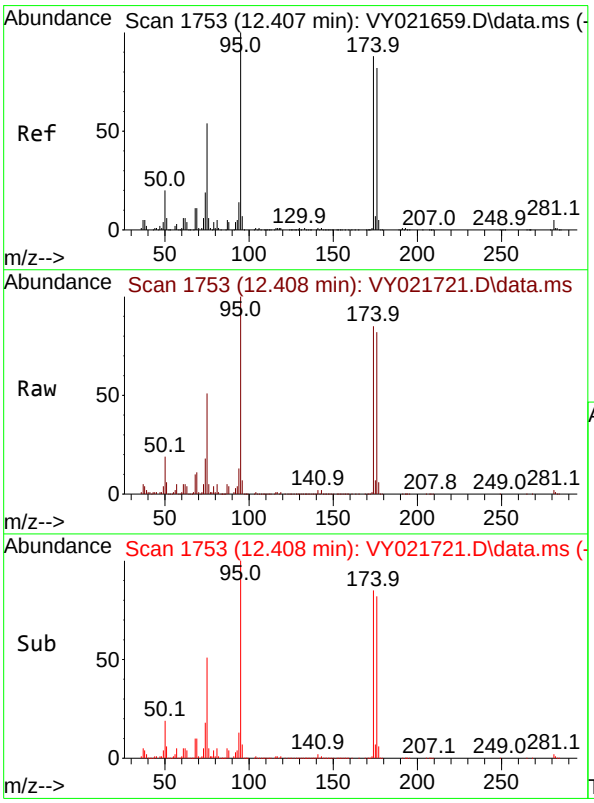
#50
Toluene-d8
Concen: 50.096 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
T1

Tgt Ion: 98 Resp: 561423

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1

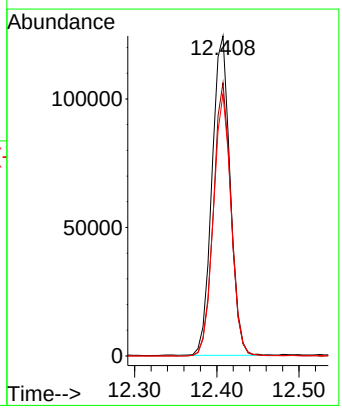


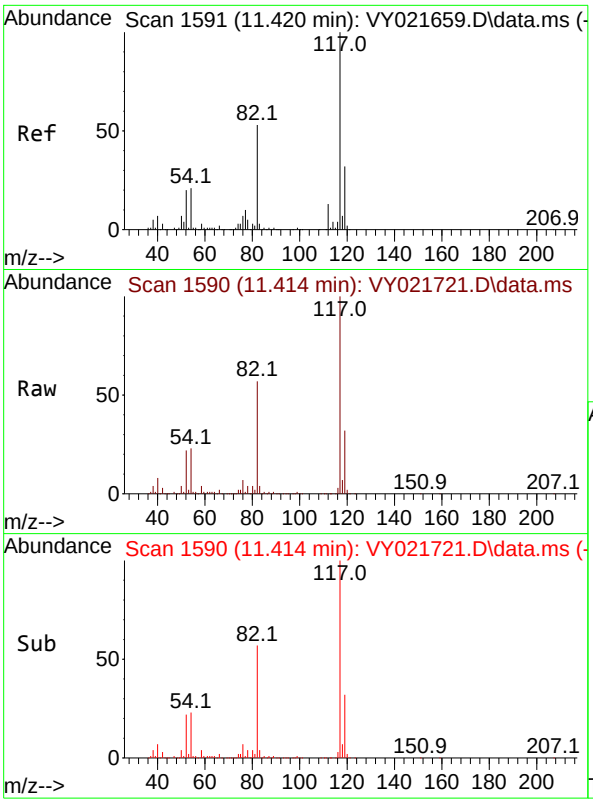


#62
4-Bromofluorobenzene
Concen: 50.172 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion: 95 Resp: 190188

Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	170.8
176	80.3	0.0	162.0



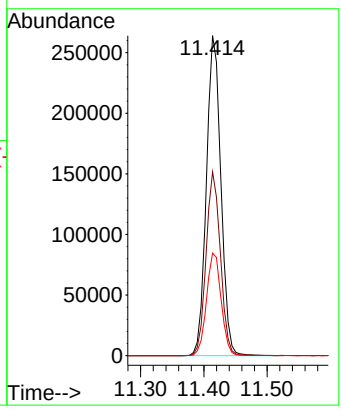


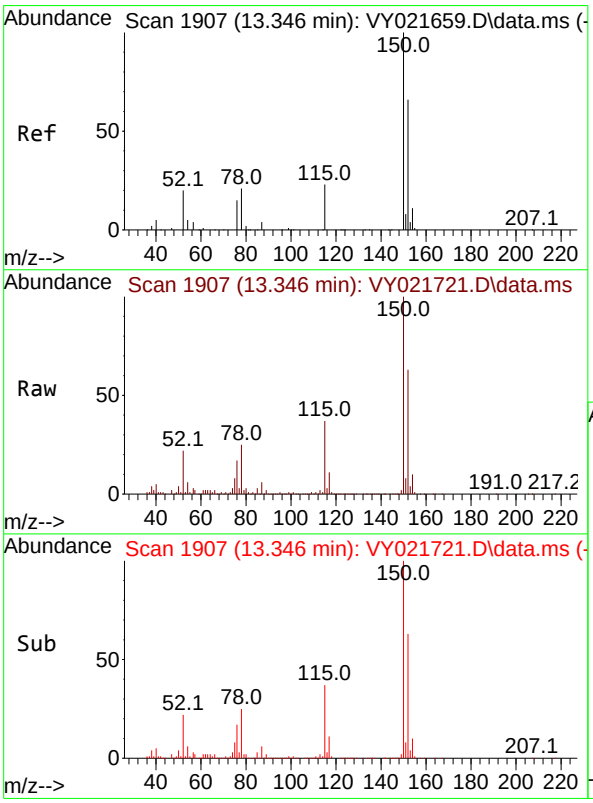
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
T1

Tgt Ion:117 Resp: 421197

Ion	Ratio	Lower	Upper
117	100		
82	57.4	42.8	64.2
119	32.0	25.7	38.5

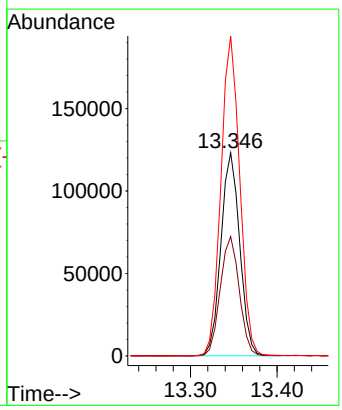




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion:152 Resp: 185708

Ion	Ratio	Lower	Upper
152	100		
115	59.5	28.8	86.5
150	157.5	0.0	348.4



Sample Results: **VY021721.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021721.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	24	rVB	78807	106242	7.08%	0.953%
2	4.610	464	474	482	rBV2	22620	65654	4.37%	0.589%
3	4.702	482	489	501	rVB3	8039	29102	1.94%	0.261%
4	7.634	959	970	976	rBV	215613	515756	34.36%	4.628%
5	7.707	976	982	994	rVB	317257	722461	48.14%	6.483%
6	8.061	1029	1040	1051	rBV	172577	396757	26.44%	3.560%
7	8.244	1063	1070	1078	rVB	10773	24286	1.62%	0.218%
8	8.616	1120	1131	1142	rBV	545768	1081512	72.06%	9.705%
9	10.103	1368	1375	1383	rBV	872155	1500874	100.00%	13.468%
10	11.414	1581	1590	1602	rBV	834894	1343307	89.50%	12.054%
11	12.408	1744	1753	1763	rBV	648689	1074607	71.60%	9.643%
12	12.761	1802	1811	1816	rBV5	18655	48013	3.20%	0.431%
13	12.993	1841	1849	1854	rBV	75723	115874	7.72%	1.040%
14	13.096	1862	1866	1874	rVB	21983	36644	2.44%	0.329%
15	13.206	1875	1884	1891	rBV	144658	261082	17.40%	2.343%
16	13.346	1898	1907	1912	rVV	758191	1215656	81.00%	10.909%
17	13.407	1912	1917	1926	rVB2	177566	398137	26.53%	3.573%
18	13.566	1933	1943	1948	rBV3	79125	160130	10.67%	1.437%
19	13.749	1968	1973	1978	rVB4	26983	50710	3.38%	0.455%
20	13.883	1990	1995	1999	rBV	84687	161350	10.75%	1.448%
21	13.999	2010	2014	2017	rVB3	20487	25195	1.68%	0.226%
22	14.072	2020	2026	2031	rVV5	41409	94318	6.28%	0.846%
23	14.182	2039	2044	2045	rBV4	25611	44745	2.98%	0.402%
24	14.304	2059	2064	2073	rBV3	117872	303172	20.20%	2.720%
25	14.383	2073	2077	2082	rVV5	45450	78800	5.25%	0.707%
26	14.468	2088	2091	2099	rVB7	48918	121640	8.10%	1.092%
27	14.761	2137	2139	2148	rVB6	78095	188249	12.54%	1.689%
28	14.852	2151	2154	2158	rVB2	61450	91362	6.09%	0.820%
29	14.919	2159	2165	2166	rBV4	67409	126820	8.45%	1.138%
30	15.133	2197	2200	2205	rVB2	94670	130424	8.69%	1.170%
31	15.511	2258	2262	2268	rVB2	142544	264099	17.60%	2.370%
32	16.638	2443	2447	2453	rVB3	187982	367077	24.46%	3.294%

Sum of corrected areas: 11144055

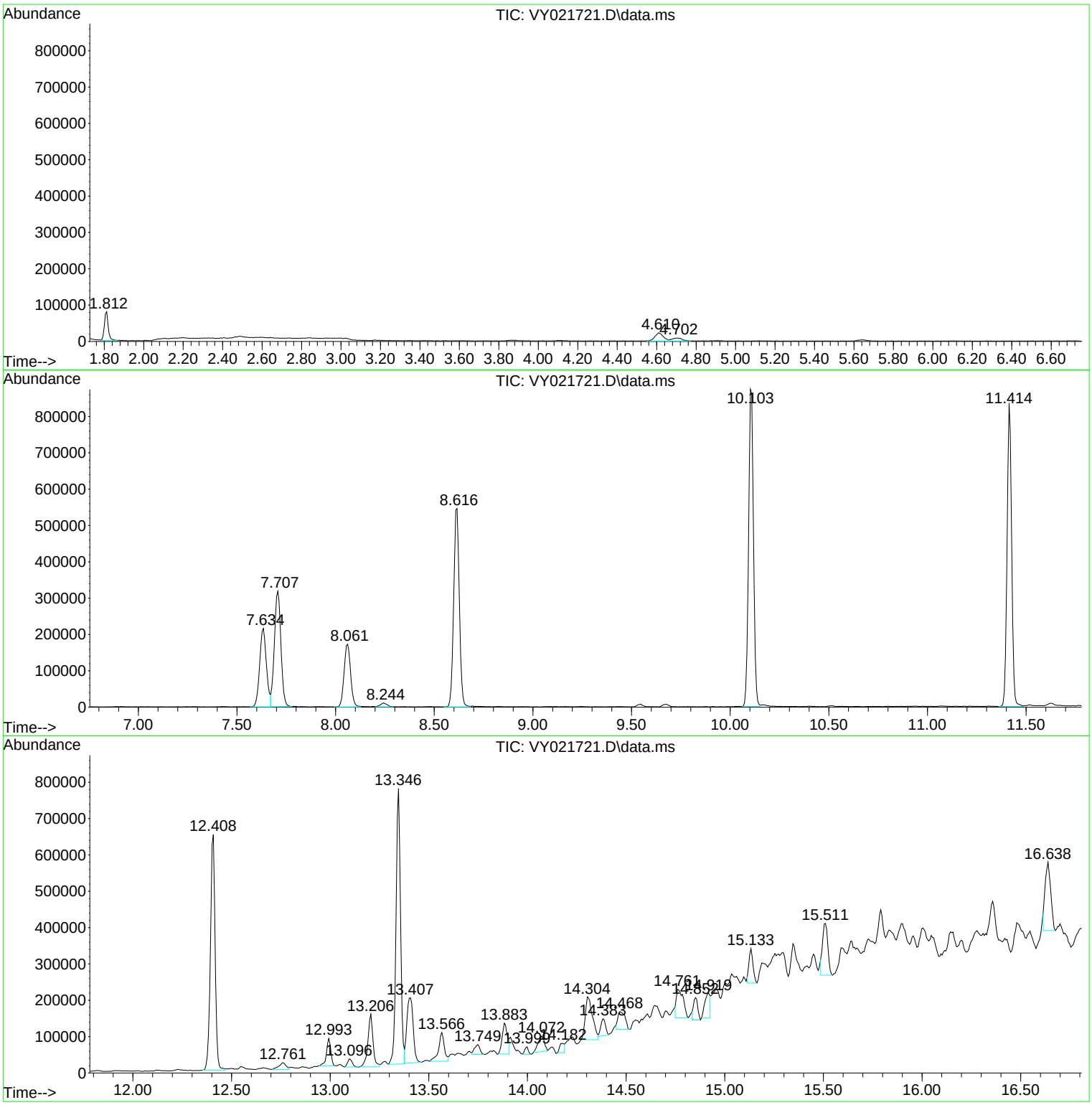
Sample Results: **VY021721.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

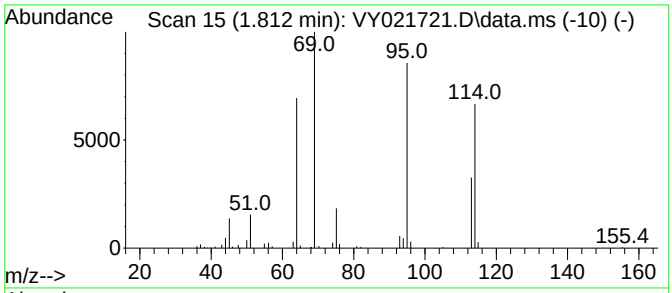
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

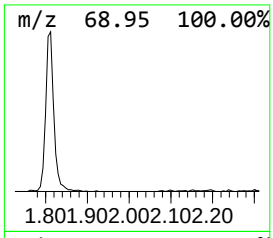
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

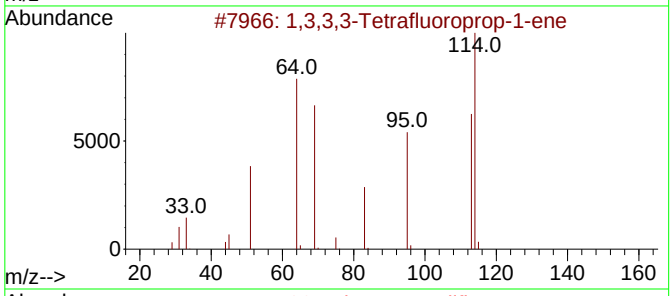
****
Peak Number 1 unknown1.812 Concentration Rank 7

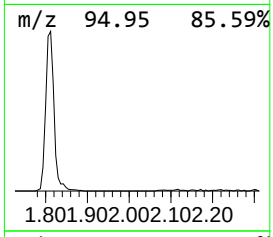
R.T.	EstConc	Area	Relative to ISTD	R.T.
1.812	7.35 ug/l	106242	Pentafluorobenzene	7.707

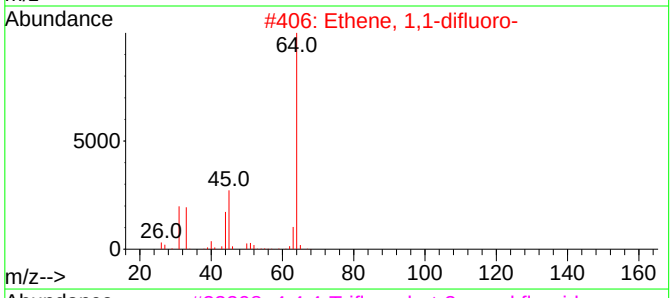
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,3,3-Tetrafluoroprop-1-ene	114	C3H2F4	1000389-53-0	25
2	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	12
3	4,4,4-Trifluorobut-2-enoyl fluoride	142	C4H2F4O	1000394-29-0	10
4	Ethyl diazoacetate	114	C4H6N2O2	000623-73-4	9
5	2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	9

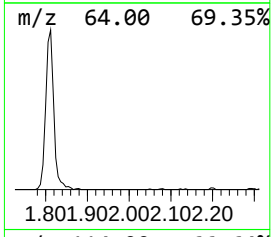


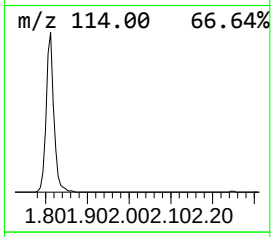


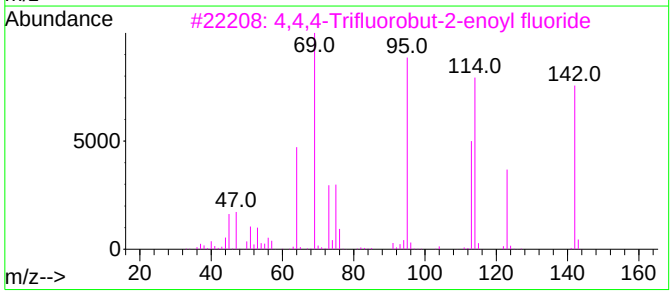


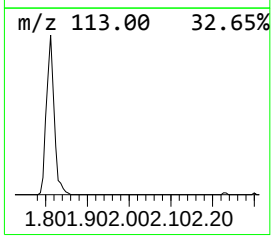












Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

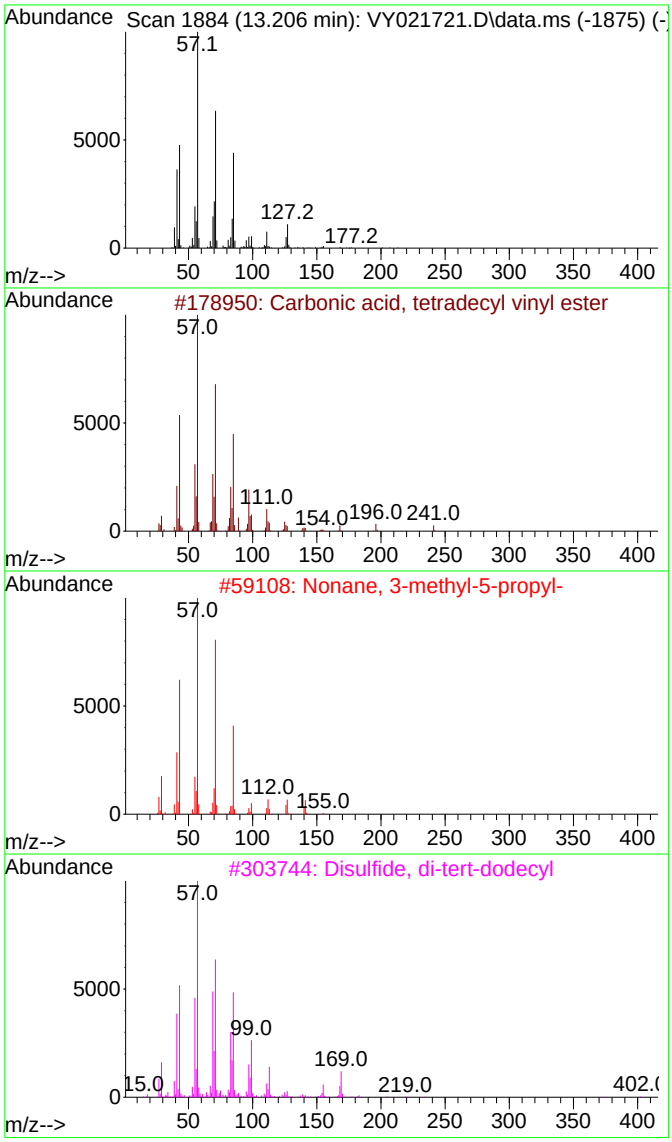
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

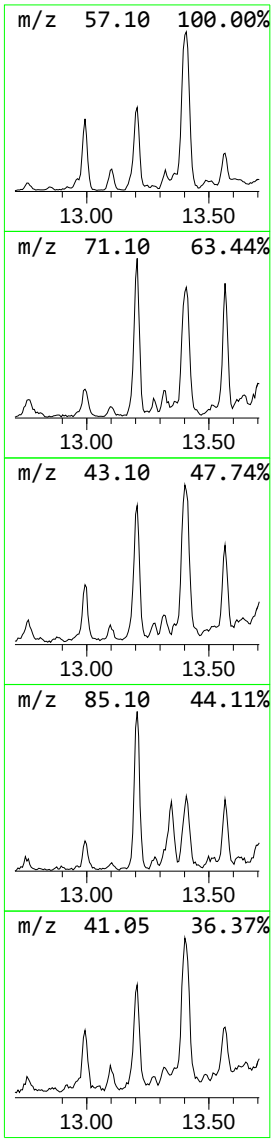
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Carbonic acid, tetradecyl v... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.206	10.74 ug/l	261082	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	72
2	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72
3	Disulfide, di-tert-dodecyl	402	C24H50S2	027458-90-8	72
4	Heptadecane	240	C17H36	000629-78-7	59
5	2-Bromotetradecane	276	C14H29Br	074036-95-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

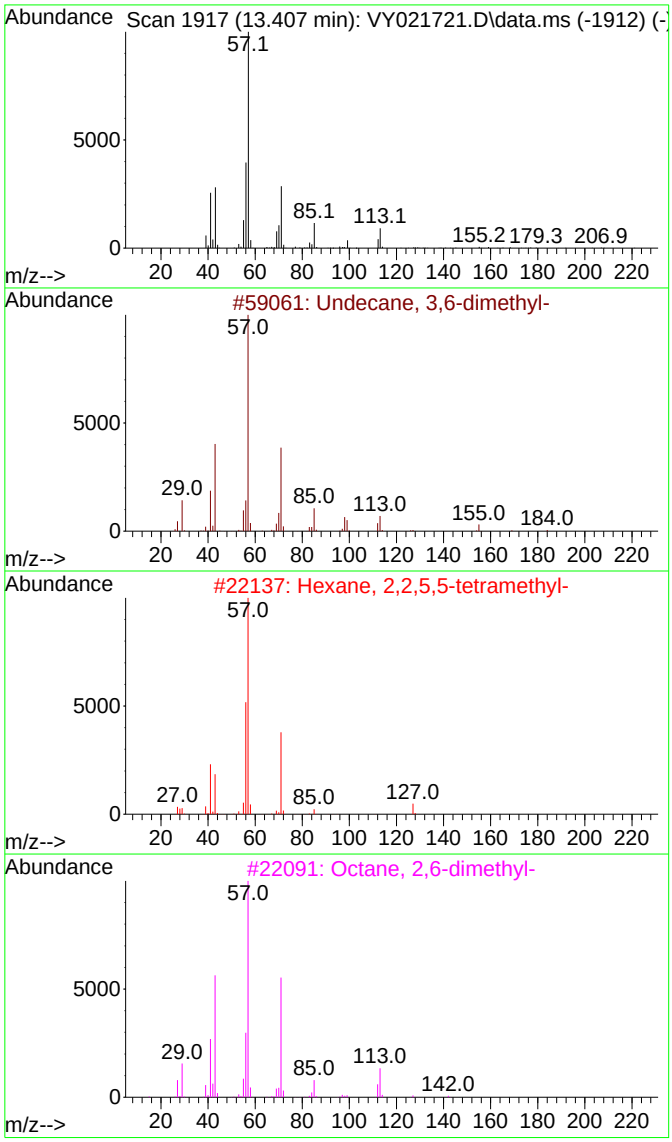
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

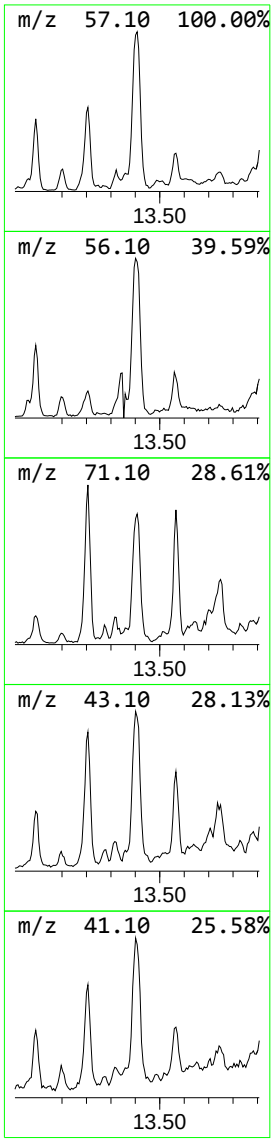
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Undecane, 3,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.407	16.38 ug/l	398137	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	53
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	50
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	47
5	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

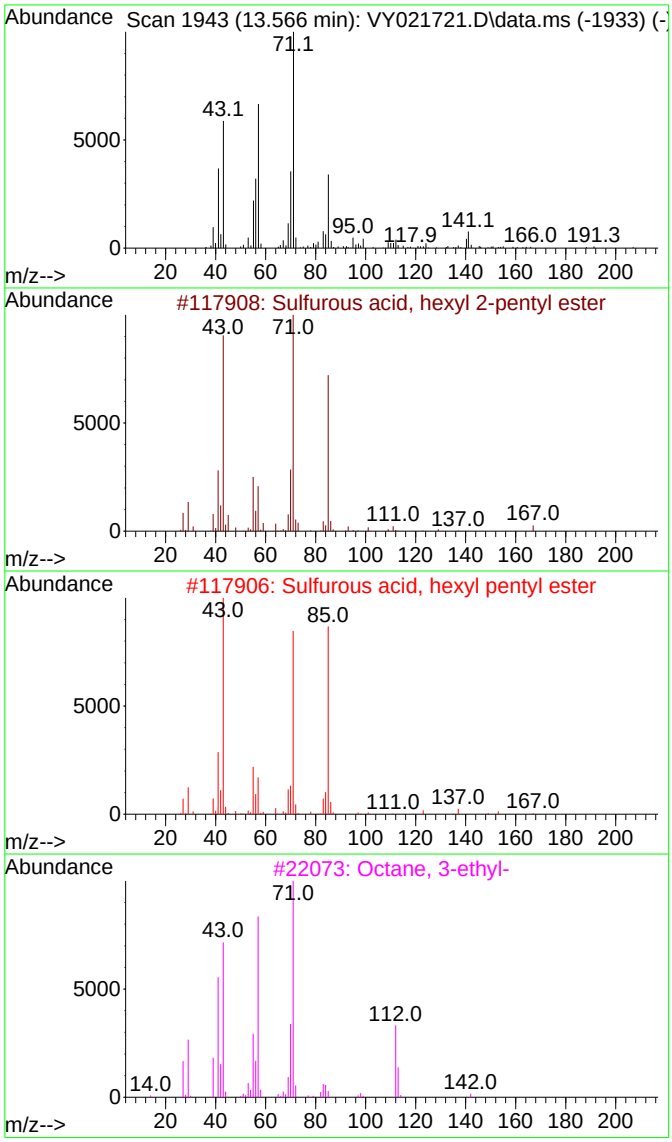
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

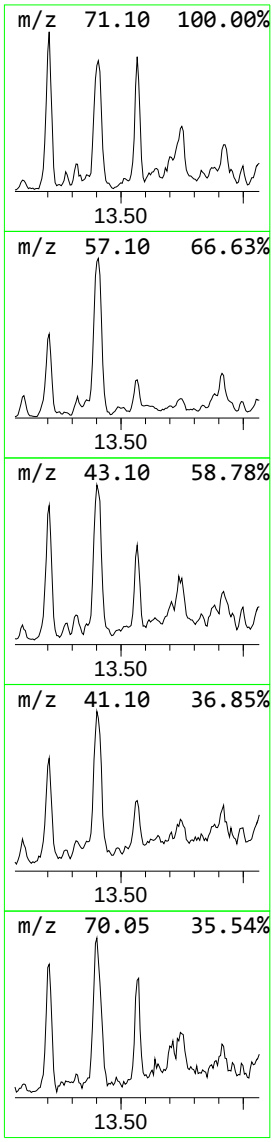
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Sulfurous acid, hexyl 2-pen... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.566	6.59 ug/l	160130	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	59
2	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	58
3	Octane, 3-ethyl-	142	C10H22	005881-17-4	58
4	Sulfurous acid, 2-pentyl tetrade...	348	C19H40O3S	1000309-16-3	53
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

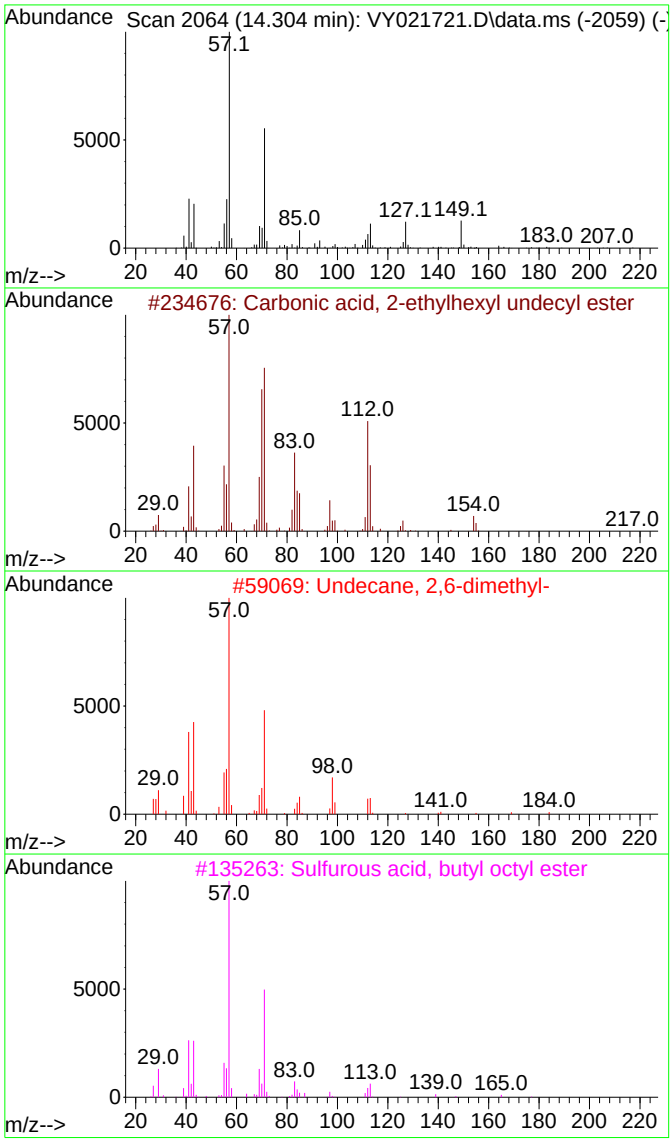
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

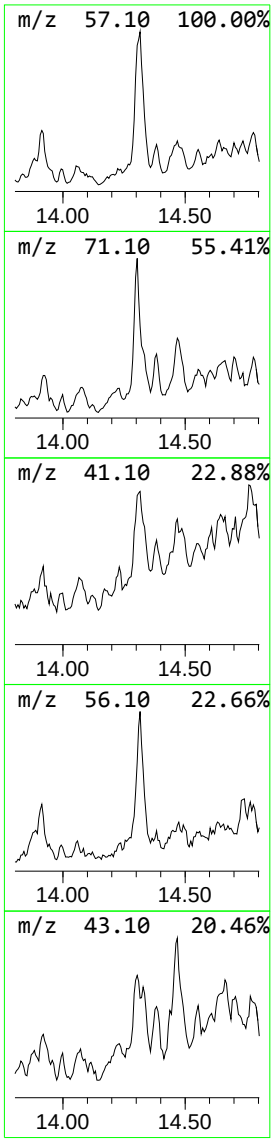
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Carbonic acid, 2-ethylhexyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.304	12.47 ug/l	303172	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic acid, 2-ethylhexyl unde...	328	C20H40O3	1000383-13-8	59
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
3	Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	53
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
5	Octyl thioglycolate	204	C10H20O2S	007664-80-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

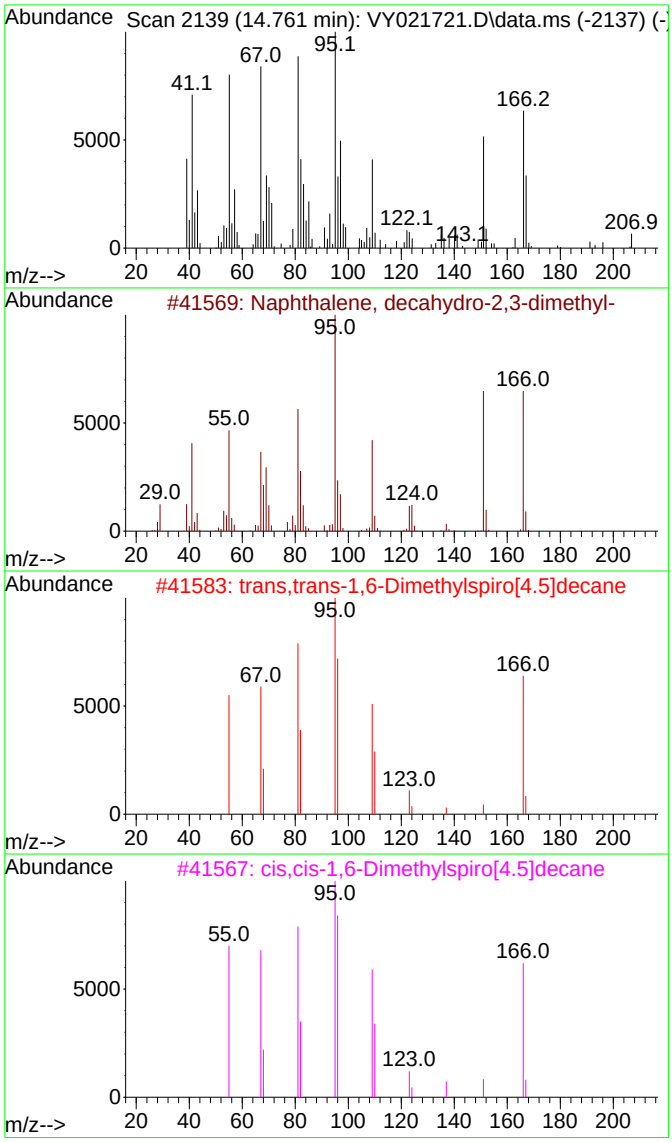
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

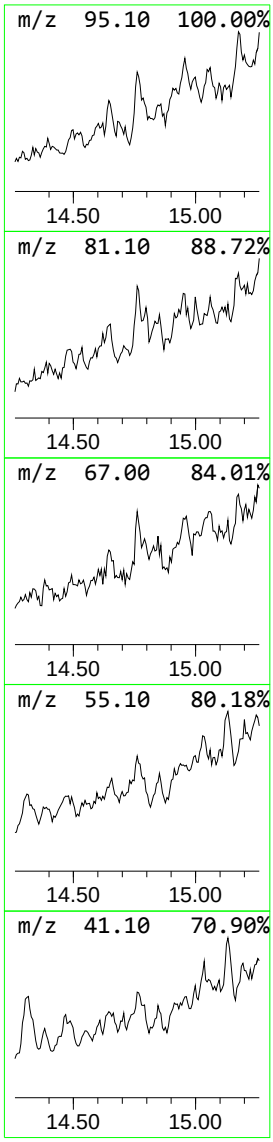
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, decahydro-2,3-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.761	7.74 ug/l	188249	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2,3-dimet...	166	C12H22	001008-80-6	64
2	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	62
3	cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	49
4	Cyclopropane, 1-(1-methylethyl)-...	152	C11H20	056259-17-7	22
5	4-Decyne	138	C10H18	002384-86-3	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

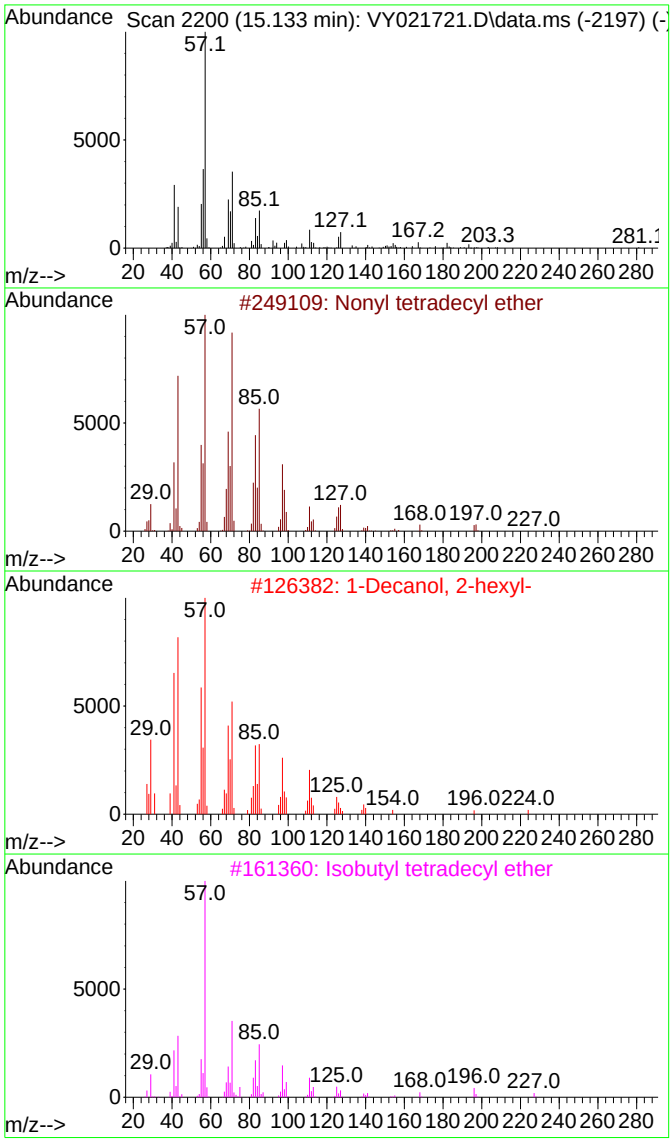
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

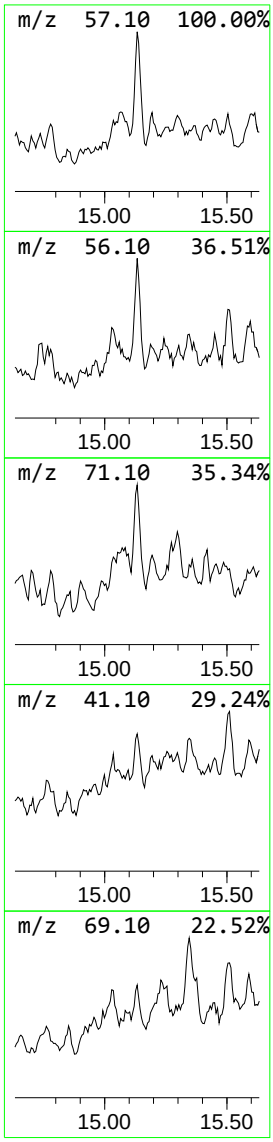
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Nonyl tetradecyl ether Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.133	5.36 ug/l	130424	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonyl tetradecyl ether	340	C23H48O	1000406-37-6	72
2	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	64
3	Isobutyl tetradecyl ether	270	C18H38O	1000406-32-7	59
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	59
5	Sulfurous acid, butyl pentadecyl...	348	C19H40O3S	1000309-18-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

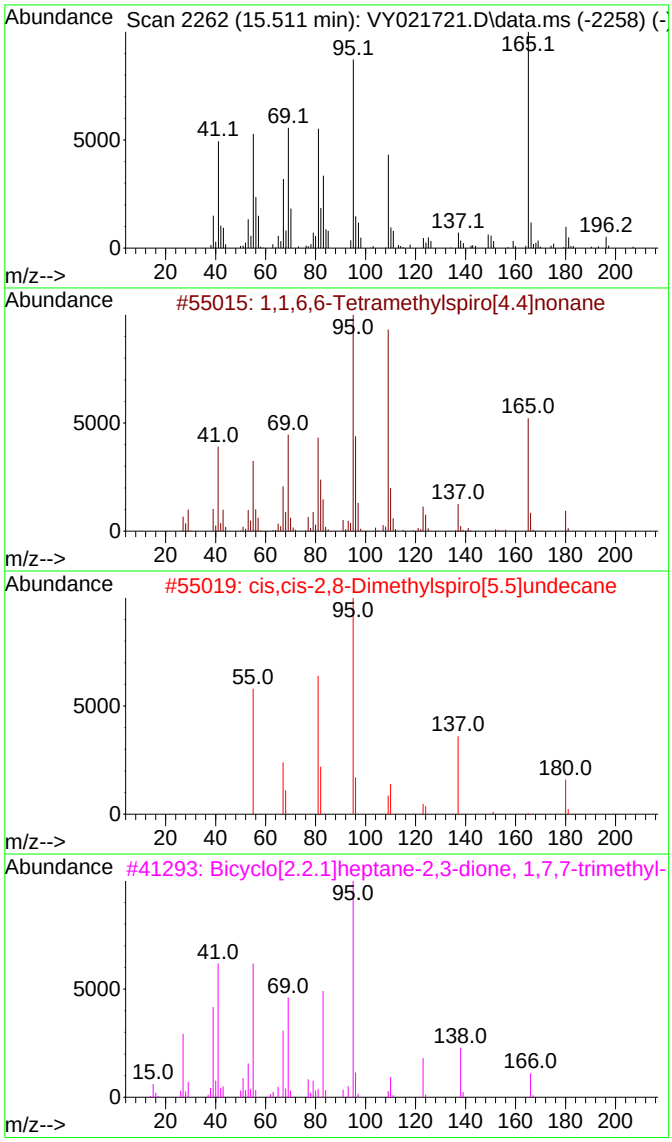
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

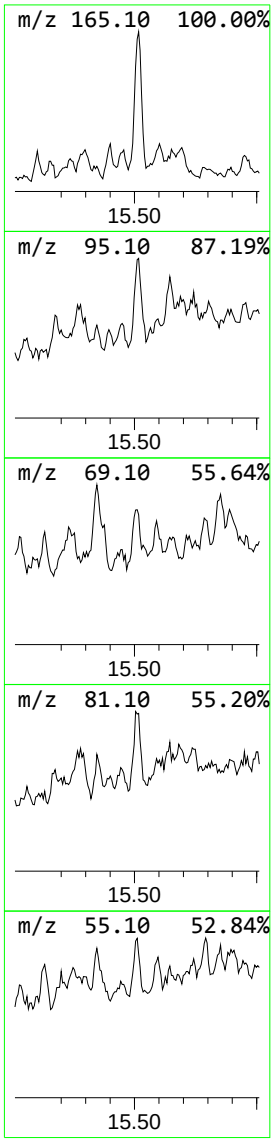
****

Peak Number 9 unknown15.511 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.511	10.86 ug/l	264099	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,6,6-Tetramethylspiro[4.4]nonane	180	C13H24	074054-92-5	45
2	cis,cis-2,8-Dimethylspiro[5.5]un...	180	C13H24	095530-75-9	42
3	Bicyclo[2.2.1]heptane-2,3-dione,...	166	C10H14O2	002767-84-2	42
4	dl-Camphoroquinone	166	C10H14O2	010373-78-1	38
5	1,5-Dihydro-1,5-dimethyl-6H-imid...	165	C6H7N5O	106284-73-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

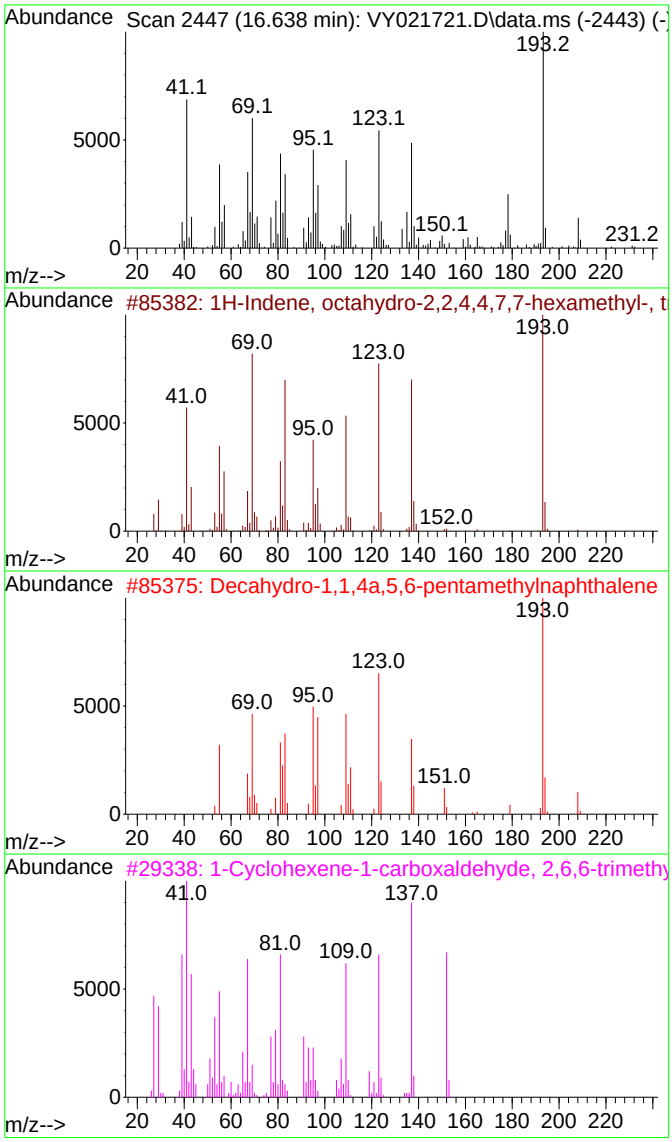
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

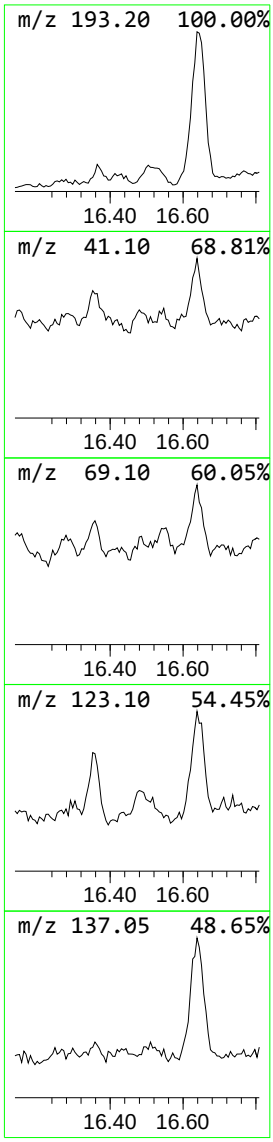
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, octahydro-2,2,4,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.639	15.10 ug/l	367077	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	72
2	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	64
3	1-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	000432-25-7	25
4	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	22
5	2,5,5,6,1a-Pentamethyl-cis-1a,4a...	208	C14H24O	1010215-77-9	15





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021721.D
Acq On : 31 Mar 2025 15:48
Operator : SY/MD
Sample : Q1675-07
Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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
unknown1.812	1.812	7.3	ug/l	106242	1	7.707	722461	50.0
Carbonic acid, ...	13.206	10.7	ug/l	261082	4	13.346	1215660	50.0
Undecane, 3,6-d...	13.407	16.4	ug/l	398137	4	13.346	1215660	50.0
Sulfurous acid,...	13.566	6.6	ug/l	160130	4	13.346	1215660	50.0
Carbonic acid, ...	14.304	12.5	ug/l	303172	4	13.346	1215660	50.0
Naphthalene, de...	14.761	7.7	ug/l	188249	4	13.346	1215660	50.0
Nonyl tetradecy...	15.133	5.4	ug/l	130424	4	13.346	1215660	50.0
unknown15.511	15.511	10.9	ug/l	264099	4	13.346	1215660	50.0
1H-Indene, octa...	16.639	15.1	ug/l	367077	4	13.346	1215660	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Time: Apr 01 05:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	278328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	508216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	512218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	256507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	173360	57.488	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.980%			
35) Dibromofluoromethane	7.634	113	170901	51.840	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.680%			
50) Toluene-d8	10.103	98	644253	51.369	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.402	95	275951	65.049	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 130.100%			
Target Compounds						Qvalue
16) Acetone	3.860	43	22308	36.145	ug/l #	71

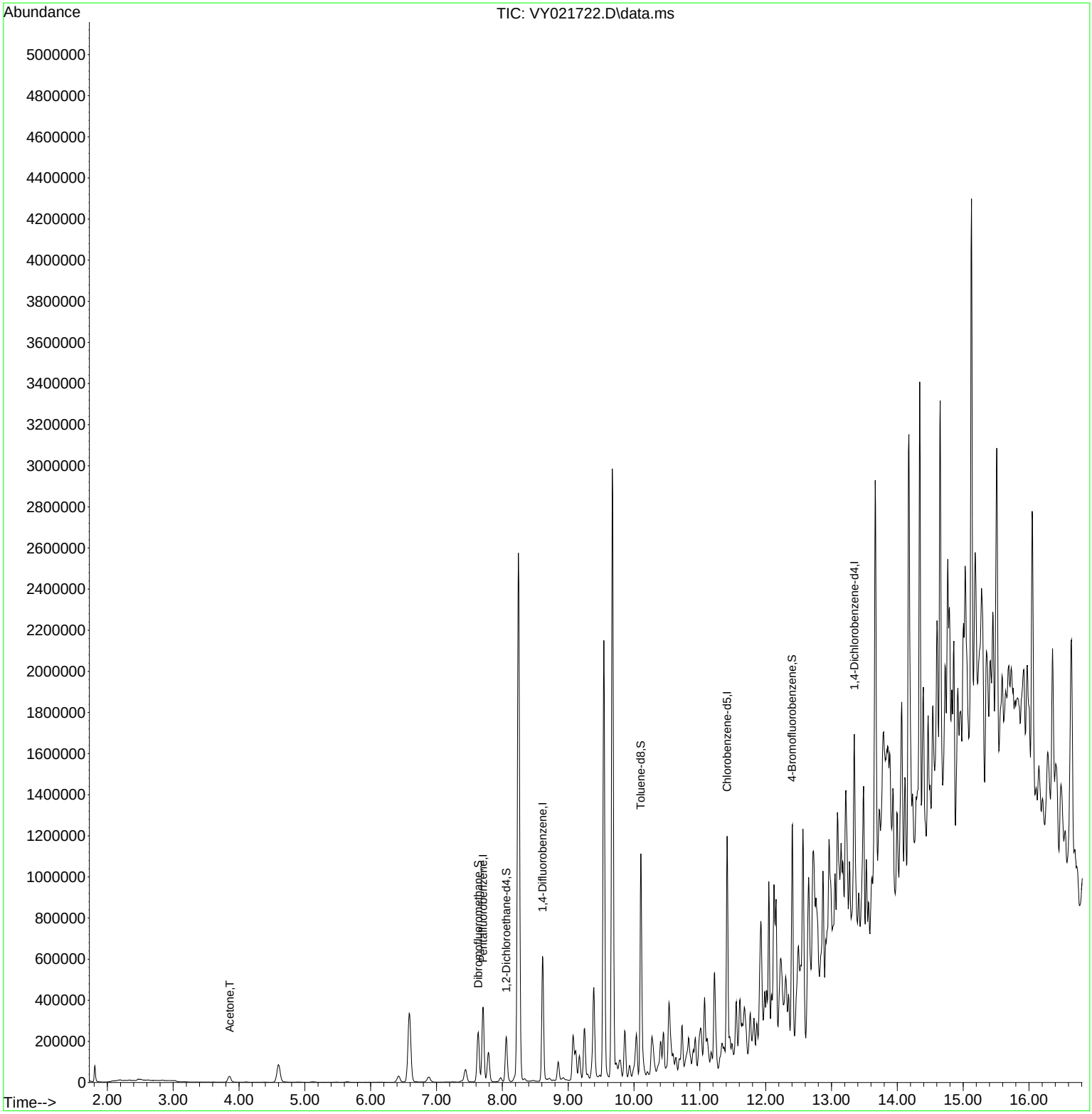
(#) = qualifier out of range (m) = manual integration (+) = signals summed

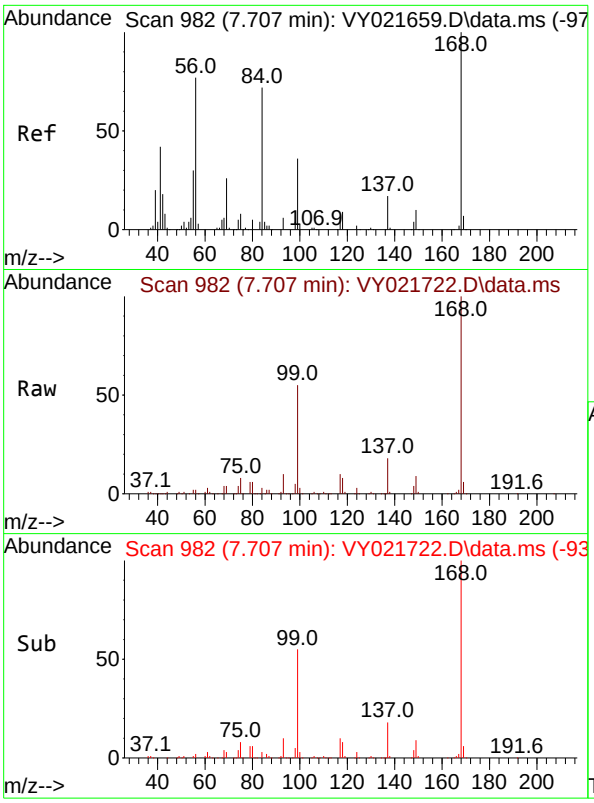
Sample Results: **VY021722.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Time: Apr 01 05:38:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



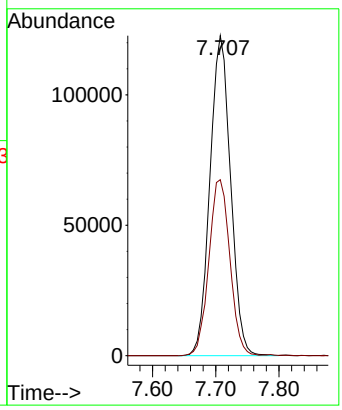


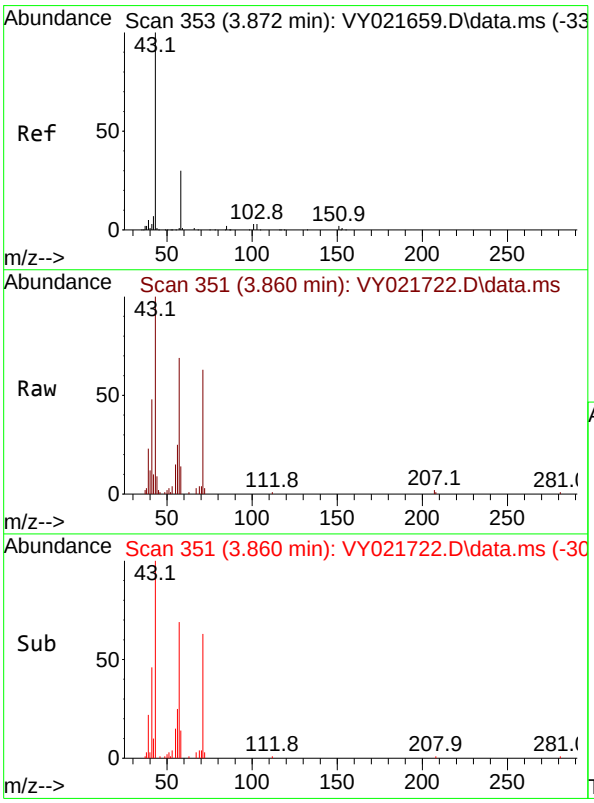
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:168 Resp: 278328

Ion	Ratio	Lower	Upper
168	100		
99	55.0	46.7	70.1

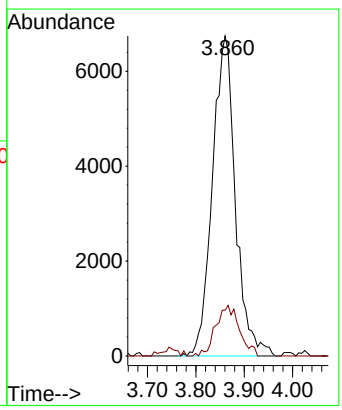


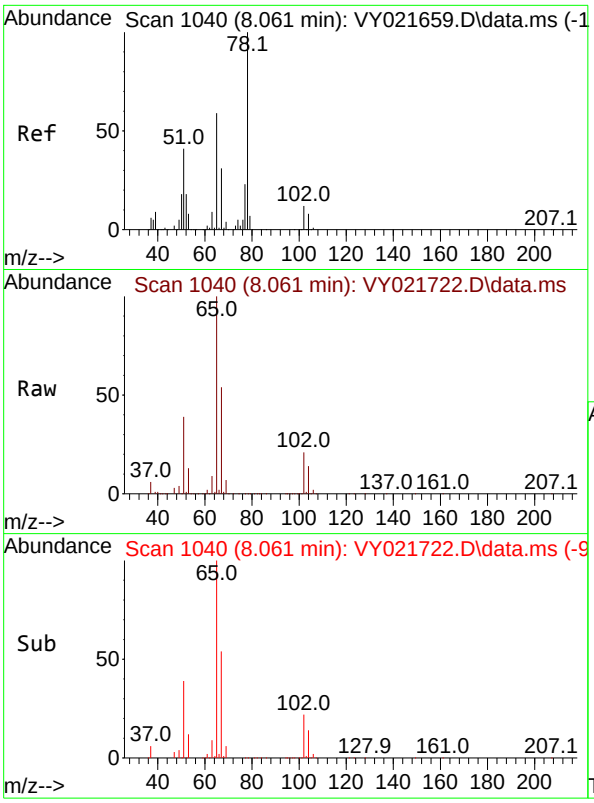


#16
Acetone
Concen: 36.145 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion: 43 Resp: 22308

Ion	Ratio	Lower	Upper
43	100		
58	14.3	24.2	36.4#



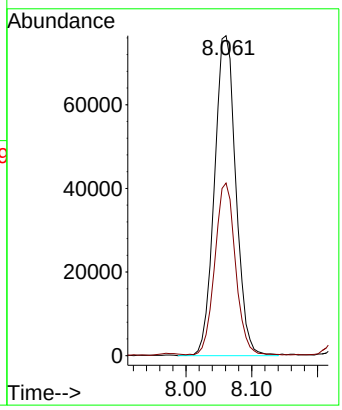


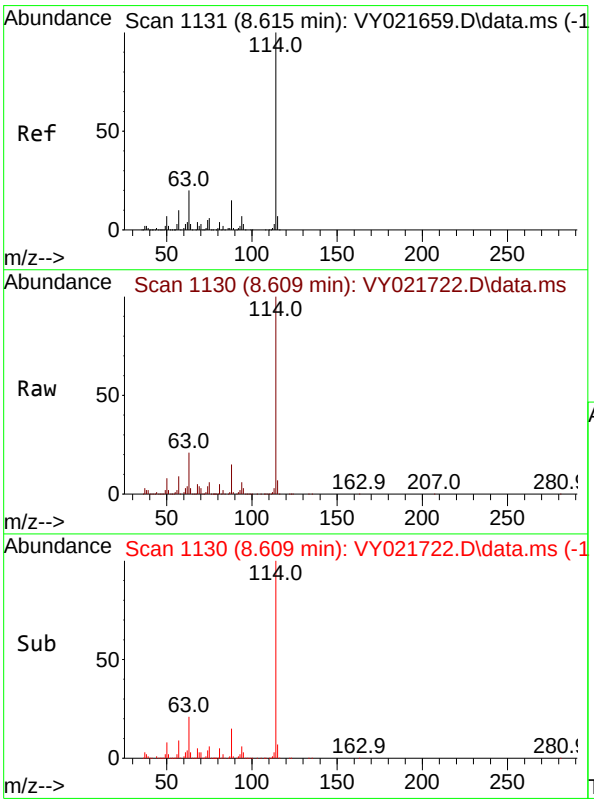
#33
1,2-Dichloroethane-d4
Concen: 57.488 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 65 Resp: 173360

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.6

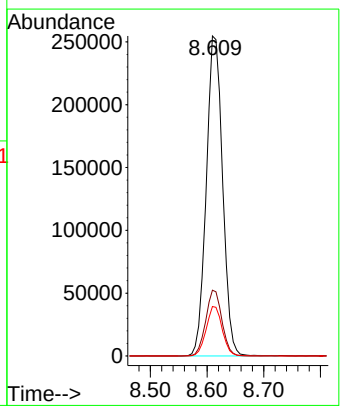


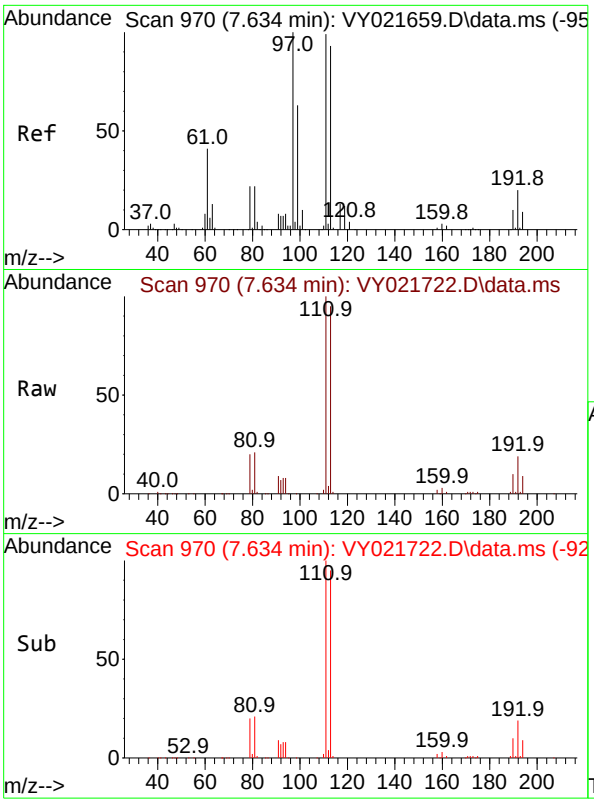


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion:114 Resp: 508216

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.2
88	15.4	0.0	29.8



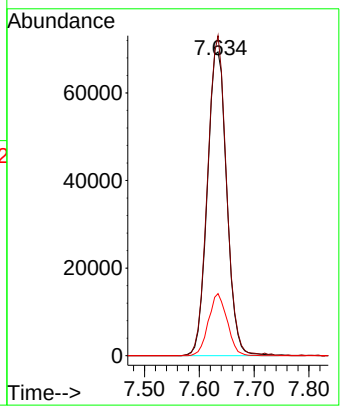


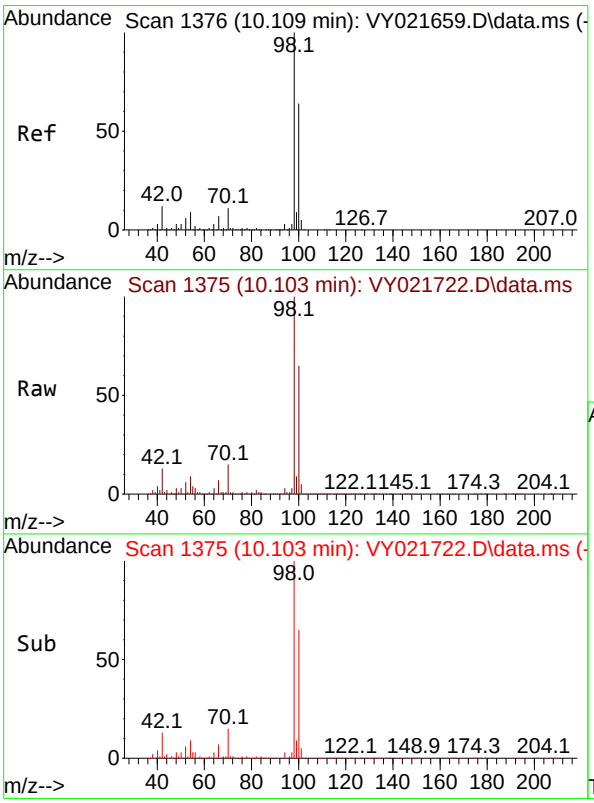
#35
Dibromofluoromethane
Concen: 51.840 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:113 Resp: 170901

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
192	19.6	16.2	24.4

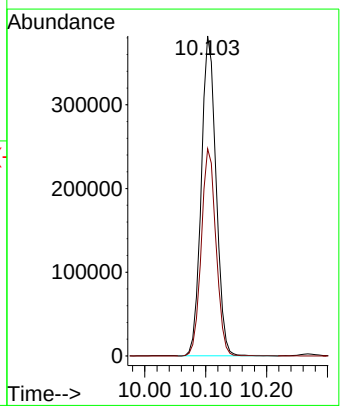


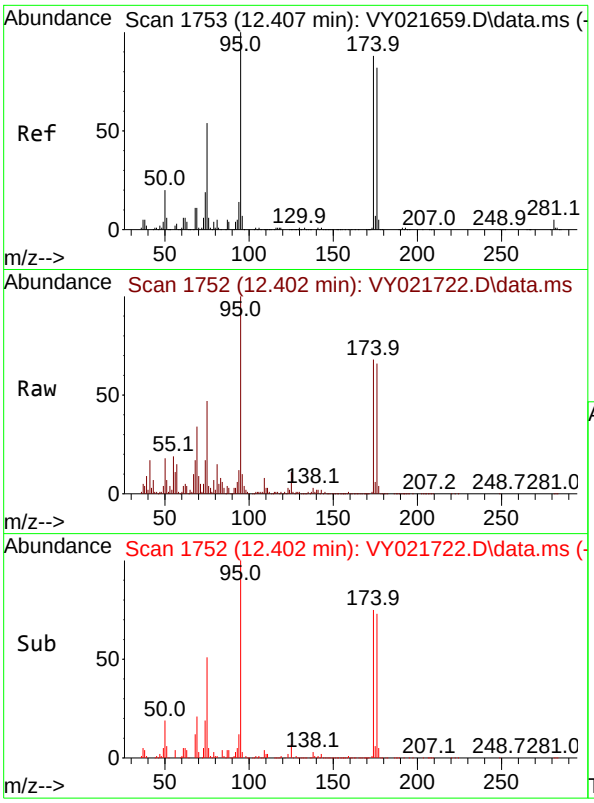


#50
Toluene-d8
Concen: 51.369 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion: 98 Resp: 644253

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1



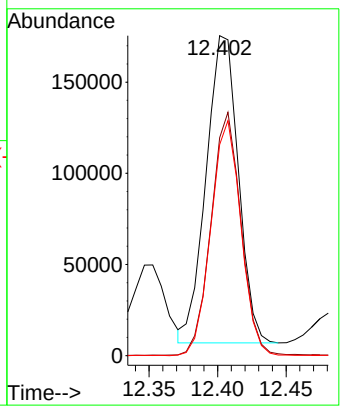


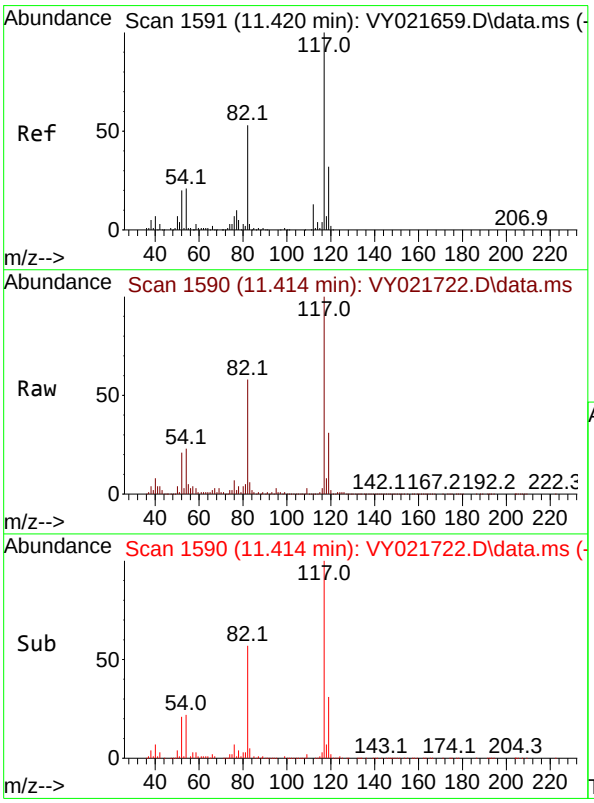
#62
4-Bromofluorobenzene
Concen: 65.049 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion: 95 Resp: 275951

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	170.8
176	71.0	0.0	162.0

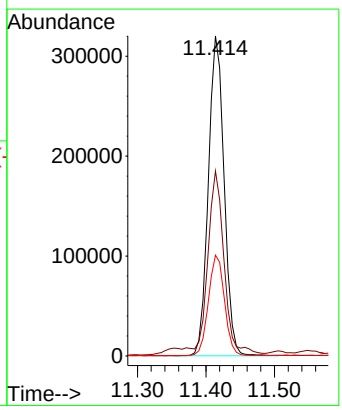


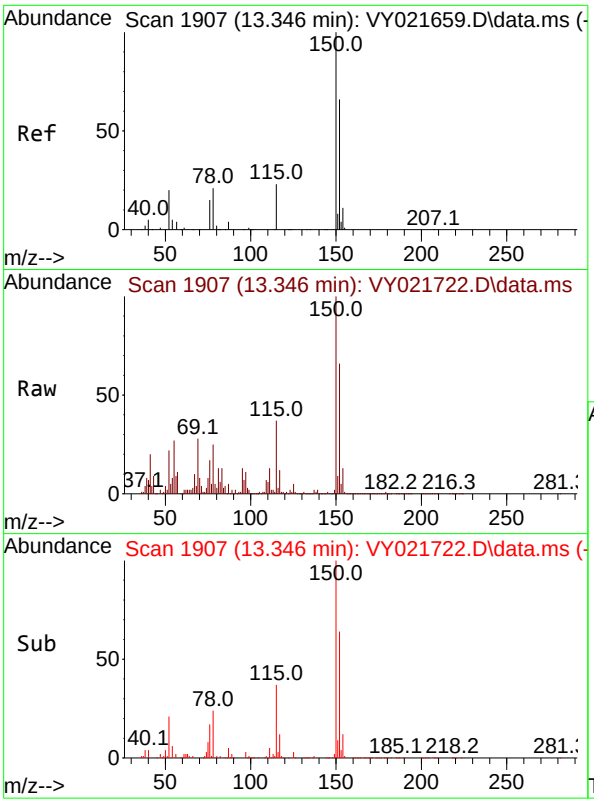


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Tgt Ion:117 Resp: 512218

Ion	Ratio	Lower	Upper
117	100		
82	56.3	42.8	64.2
119	31.4	25.7	38.5



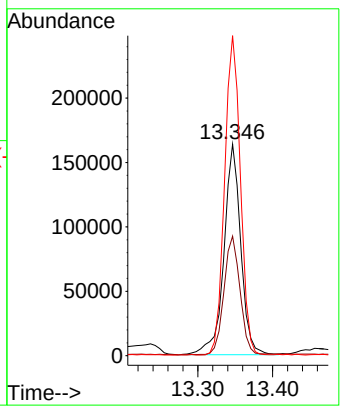


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021722.D
Acq: 31 Mar 2025 16:11

Instrument :
MSVOA_Y
ClientSampleId :
T2

Tgt Ion:152 Resp: 256507

Ion	Ratio	Lower	Upper
152	100		
115	53.3	28.8	86.5
150	142.2	0.0	348.4



Sample Results: **VY021722.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021722.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	24	rVB	79101	111043	1.82%	0.117%
2	3.854	337	350	363	rBV4	28397	97062	1.59%	0.102%
3	4.598	460	472	485	rBV3	85018	308117	5.04%	0.324%
4	6.427	759	772	783	rBV3	29933	105084	1.72%	0.110%
5	6.585	786	798	815	rVV	333372	1058962	17.33%	1.112%
6	6.884	835	847	861	rVB3	24886	91646	1.50%	0.096%
7	7.439	919	938	949	rBV2	61583	200979	3.29%	0.211%
8	7.634	957	970	976	rBV	241760	596585	9.76%	0.627%
9	7.707	976	982	989	rVV	364574	830478	13.59%	0.872%
10	7.786	989	995	1011	rVB	143040	367746	6.02%	0.386%
11	8.061	1032	1040	1051	rVB	216380	487929	7.99%	0.513%
12	8.244	1053	1070	1081	rBV	2570644	6110081	100.00%	6.418%
13	8.609	1122	1130	1141	rBV	607607	1233249	20.18%	1.295%
14	8.847	1161	1169	1176	rBV2	91466	200571	3.28%	0.211%
15	9.073	1199	1206	1210	rBV	217594	485312	7.94%	0.510%
16	9.170	1218	1222	1228	rVB3	105940	196362	3.21%	0.206%
17	9.250	1228	1235	1241	rBV	237802	486302	7.96%	0.511%
18	9.390	1247	1258	1269	rBV2	440638	1007459	16.49%	1.058%
19	9.542	1275	1283	1296	rVB	2123313	4078016	66.74%	4.284%
20	9.670	1296	1304	1312	rBV	2958799	5781253	94.62%	6.073%
21	9.786	1318	1323	1329	rVB4	77630	194957	3.19%	0.205%
22	9.859	1329	1335	1342	rVB2	221753	433276	7.09%	0.455%
23	9.932	1342	1347	1352	rBV2	54301	96074	1.57%	0.101%
24	10.036	1352	1364	1369	rBV2	204897	504557	8.26%	0.530%
25	10.103	1369	1375	1388	rVB	1076024	1984611	32.48%	2.085%
26	10.274	1396	1403	1413	rBV3	185028	534362	8.75%	0.561%
27	10.402	1414	1424	1428	rBV3	143297	334226	5.47%	0.351%
28	10.445	1428	1431	1437	rVB	173734	274271	4.49%	0.288%
29	10.530	1439	1445	1453	rBV4	313399	771317	12.62%	0.810%
30	10.634	1459	1462	1467	rVB4	59974	102218	1.67%	0.107%
31	10.694	1467	1472	1473	rBV2	54304	89324	1.46%	0.094%
32	10.731	1473	1478	1483	rVB	199287	345883	5.66%	0.363%
33	10.829	1484	1494	1501	rBV4	131878	368593	6.03%	0.387%
34	10.902	1501	1506	1507	rBV2	68815	92137	1.51%	0.097%
35	10.932	1507	1511	1516	rVB2	136730	225518	3.69%	0.237%
36	11.012	1516	1524	1529	rBV6	183415	551923	9.03%	0.580%

Sample Results: **VY021722.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

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\82Y032725S.M
Title : SW846 8260

37	11.072	1529	1534	1538	rBV3	279292	466486	7.63%	0.490%
38	11.170	1547	1550	1553	rBV	49049	67918	1.11%	0.071%
39	11.225	1553	1559	1568	rVB3	464516	993051	16.25%	1.043%
40	11.341	1568	1578	1581	rBV6	122375	357295	5.85%	0.375%
41	11.414	1585	1590	1595	rBV	1047213	1689516	27.65%	1.775%
42	11.554	1607	1613	1617	rBV3	255694	457141	7.48%	0.480%
43	11.609	1617	1622	1626	rBV3	225754	438264	7.17%	0.460%
44	11.676	1630	1633	1642	rVB6	226736	552988	9.05%	0.581%
45	11.767	1642	1648	1652	rBV3	197745	392598	6.43%	0.412%
46	11.822	1654	1657	1661	rVB	129717	169697	2.78%	0.178%
47	11.865	1661	1664	1667	rBV4	103918	147983	2.42%	0.155%
48	11.926	1667	1674	1680	rBV3	569222	1360797	22.27%	1.429%
49	11.987	1680	1684	1686	rBV2	139098	183398	3.00%	0.193%
50	12.011	1686	1688	1690	rBV	82232	83745	1.37%	0.088%
51	12.048	1690	1694	1698	rVB	666924	872375	14.28%	0.916%
52	12.091	1698	1701	1702	rBV2	118443	135882	2.22%	0.143%
53	12.127	1702	1707	1710	rBV3	562224	974363	15.95%	1.023%
54	12.231	1717	1724	1730	rBV7	330964	994879	16.28%	1.045%
55	12.304	1733	1736	1740	rVB4	170465	268766	4.40%	0.282%
56	12.347	1741	1743	1747	rVB	177963	212578	3.48%	0.223%
57	12.408	1747	1753	1758	rVB3	1028043	1753578	28.70%	1.842%
58	12.499	1758	1768	1771	rBV8	438661	1269803	20.78%	1.334%
59	12.566	1775	1779	1786	rVB3	1016633	1910513	31.27%	2.007%
60	12.651	1786	1793	1799	rBV5	781425	2109117	34.52%	2.215%
61	12.725	1800	1805	1810	rBV5	565286	1470767	24.07%	1.545%
62	12.871	1825	1829	1833	rVB4	518528	789034	12.91%	0.829%
63	12.914	1833	1836	1837	rBV	183588	209444	3.43%	0.220%
64	12.962	1841	1844	1852	rVB5	480077	1010186	16.53%	1.061%
65	13.054	1856	1859	1862	rBV3	245346	317090	5.19%	0.333%
66	13.090	1862	1865	1871	rBV4	473062	914072	14.96%	0.960%
67	13.218	1882	1886	1892	rVB5	577160	1154468	18.89%	1.213%
68	13.273	1892	1895	1899	rVB3	279020	339863	5.56%	0.357%
69	13.346	1902	1907	1915	rVB	921292	1662815	27.21%	1.747%
70	13.487	1926	1930	1934	rVB4	671583	1055985	17.28%	1.109%
71	13.529	1934	1937	1940	rBV4	315816	371856	6.09%	0.391%
72	13.615	1947	1951	1953	rBV4	217311	379187	6.21%	0.398%
73	13.663	1954	1959	1965	rVV2	1940965	3518695	57.59%	3.696%
74	13.993	2010	2013	2018	rBV5	368920	579303	9.48%	0.609%
75	14.066	2019	2025	2030	rVV3	808325	1584129	25.93%	1.664%
76	14.115	2030	2033	2037	rVB3	426387	594646	9.73%	0.625%

Sample Results: **VY021722.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

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\82Y032725S.M
Title : SW846 8260

77	14.176	2038	2043	2050	rBV4	2090340	4291318	70.23%	4.508%
78	14.340	2066	2070	2074	rVB2	2060289	2849573	46.64%	2.993%
79	14.395	2075	2079	2086	rVB6	725971	1277746	20.91%	1.342%
80	14.468	2087	2091	2094	rBV2	564582	870649	14.25%	0.915%
81	14.541	2099	2103	2107	rBV6	497622	895504	14.66%	0.941%
82	14.602	2110	2113	2117	rVV4	819915	1416250	23.18%	1.488%
83	14.651	2117	2121	2127	rVB3	1872286	3049140	49.90%	3.203%
84	14.767	2136	2140	2142	rBV	749267	1026928	16.81%	1.079%
85	15.005	2175	2179	2180	rBV2	574880	757683	12.40%	0.796%
86	15.127	2194	2199	2204	rBV	2583004	3958866	64.79%	4.158%
87	15.352	2232	2236	2242	rBV6	637344	1683813	27.56%	1.769%
88	15.511	2258	2262	2267	rVB2	1472672	2518977	41.23%	2.646%
89	16.047	2346	2350	2357	rVB3	1378894	2579951	42.22%	2.710%
90	16.358	2397	2401	2406	rBV4	658162	1063028	17.40%	1.117%
91	16.645	2442	2448	2454	rVB2	1034910	2408529	39.42%	2.530%

Sum of corrected areas: 95199709

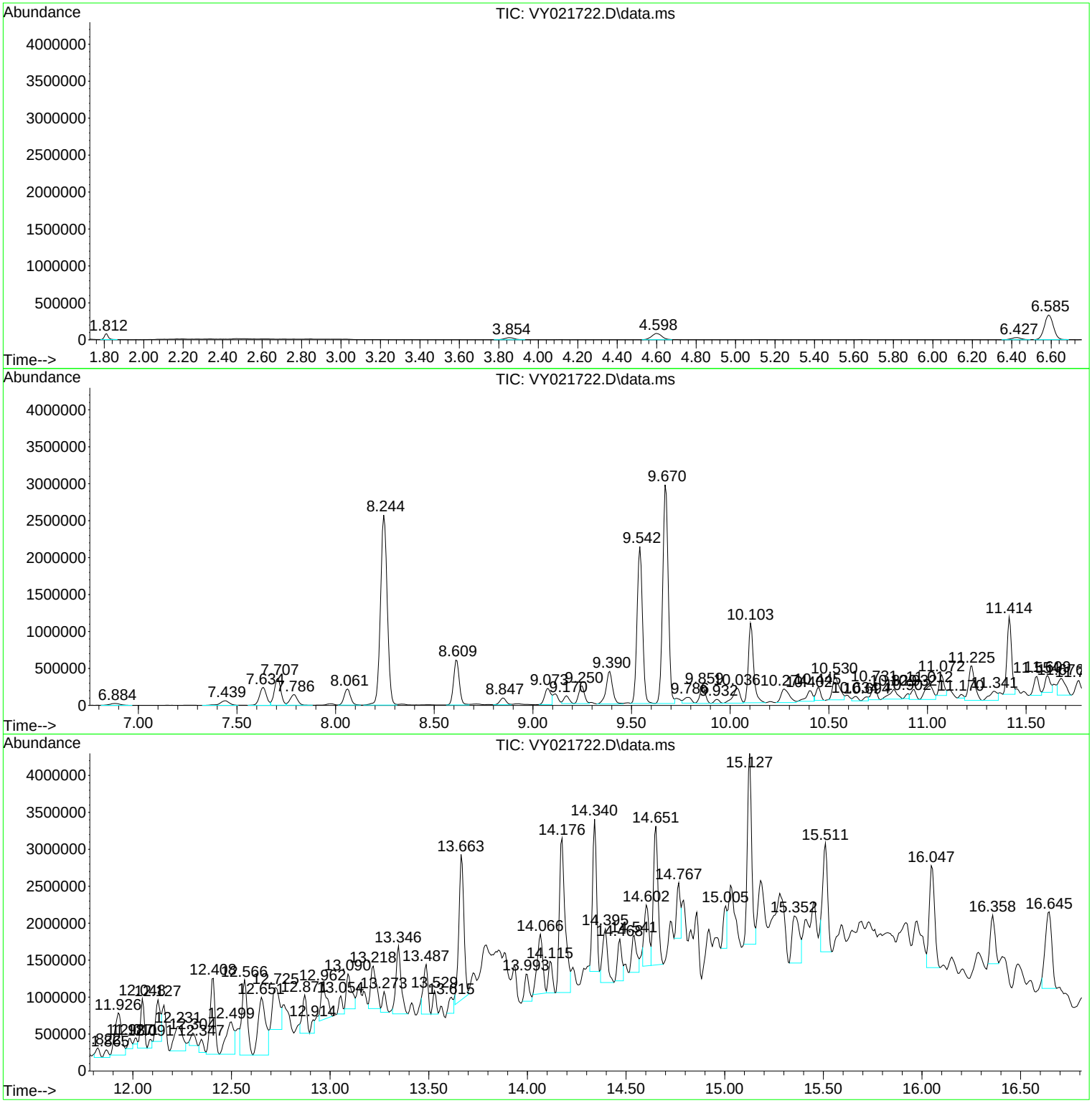
Sample Results: **VY021722.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

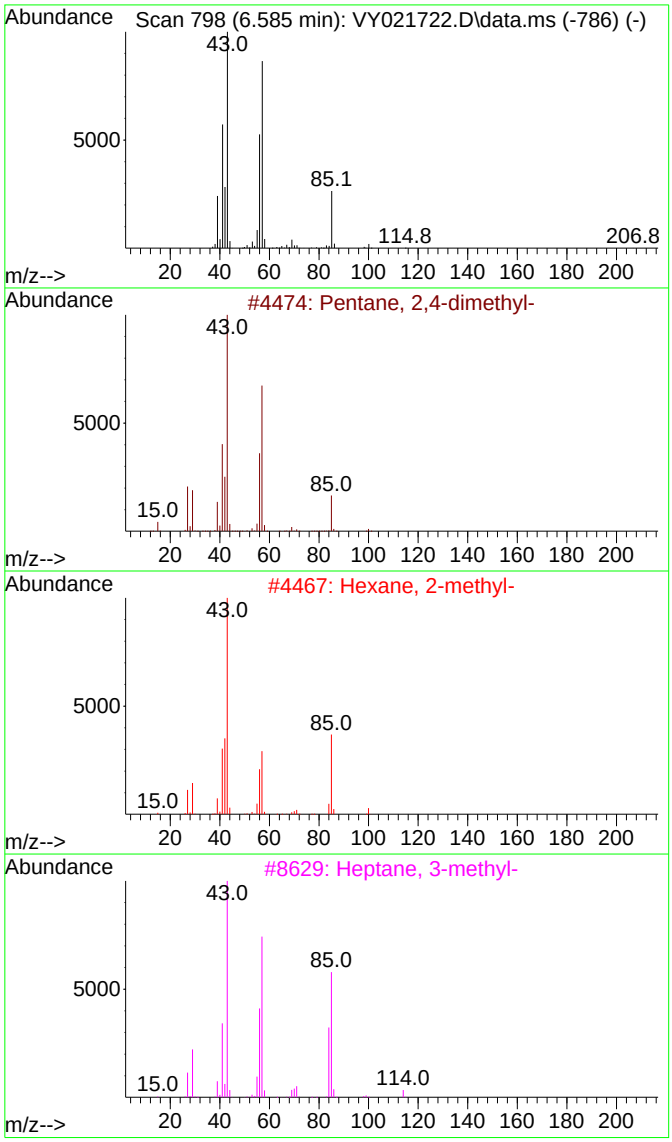
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

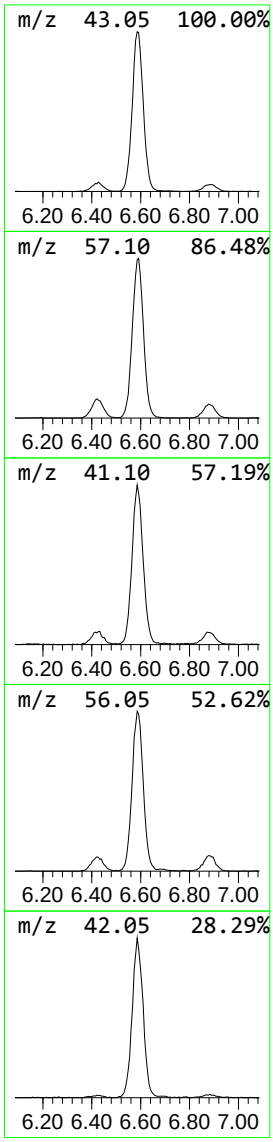
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.585	63.76 ug/l	1058960	Pentafluorobenzene	7.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	72
3	Heptane, 3-methyl-	114	C8H18	000589-81-1	72
4	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

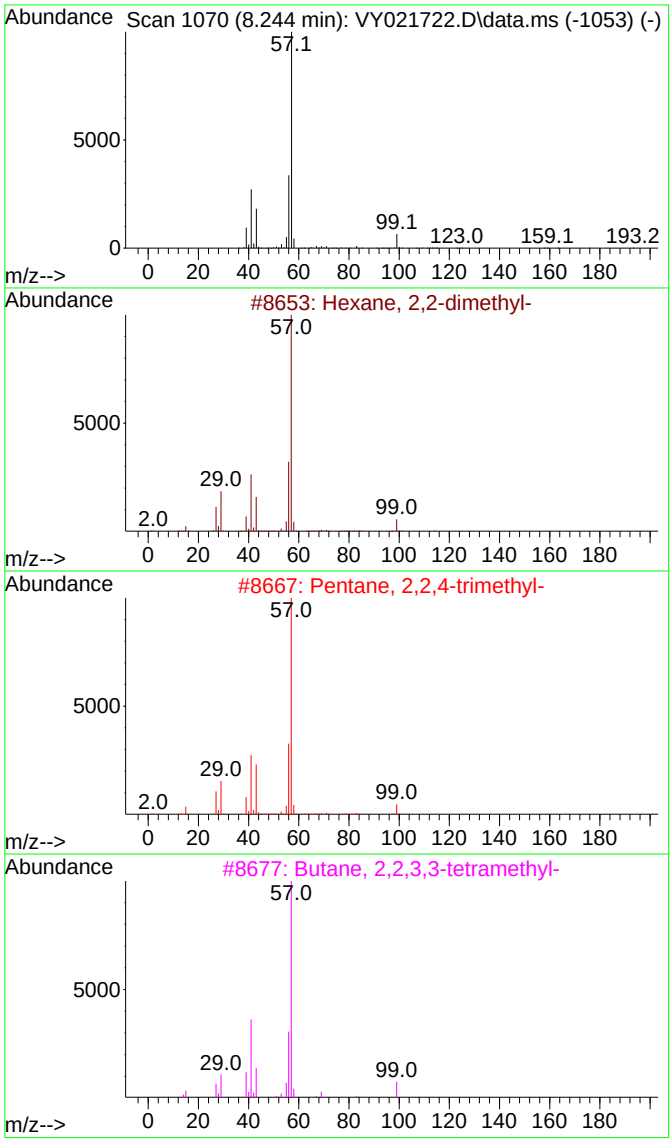
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

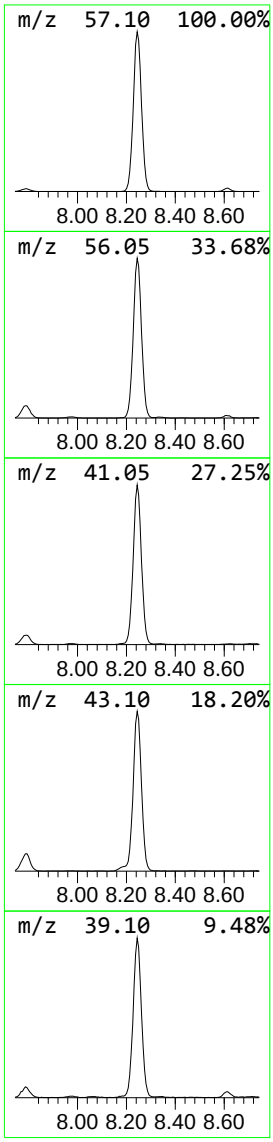
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.244	247.72 ug/l	6110080	1,4-Difluorobenzene	8.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	72
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

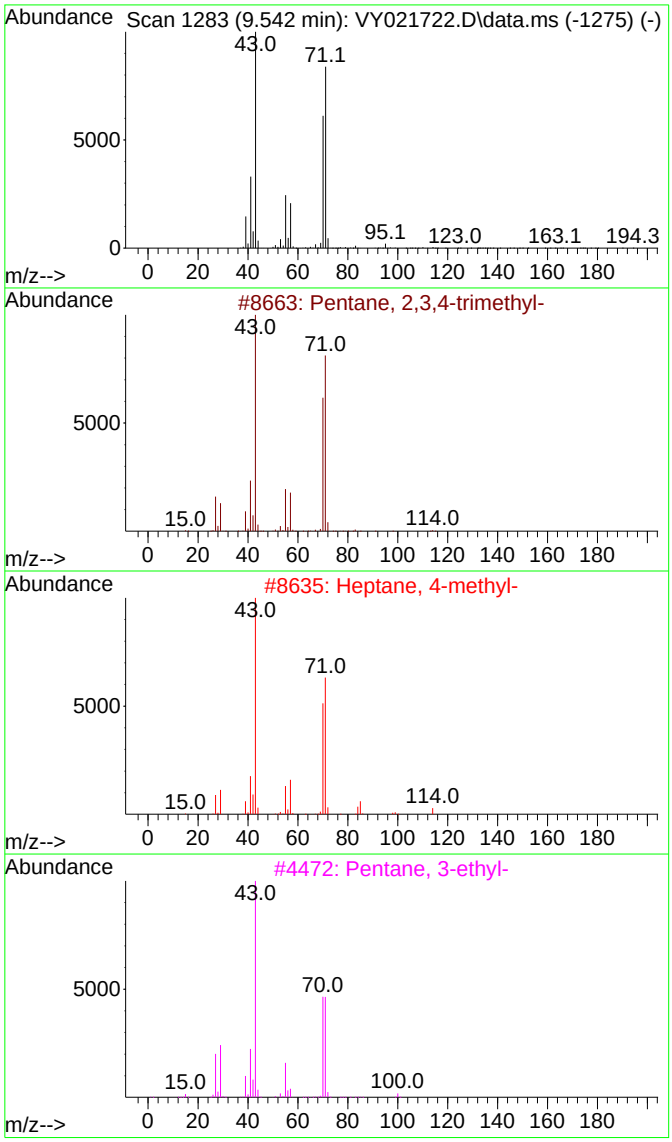
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

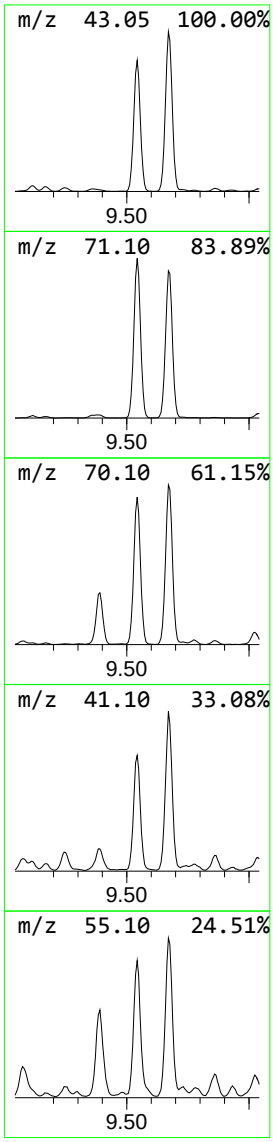
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	165.34 ug/l	4078020	1,4-Difluorobenzene	8.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

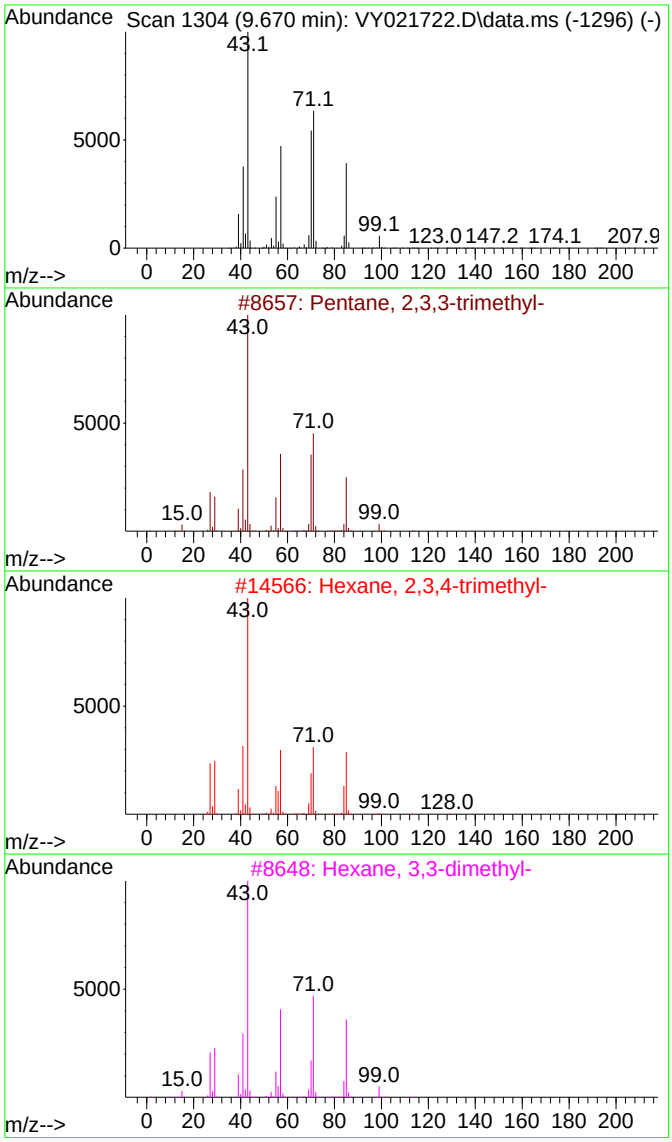
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

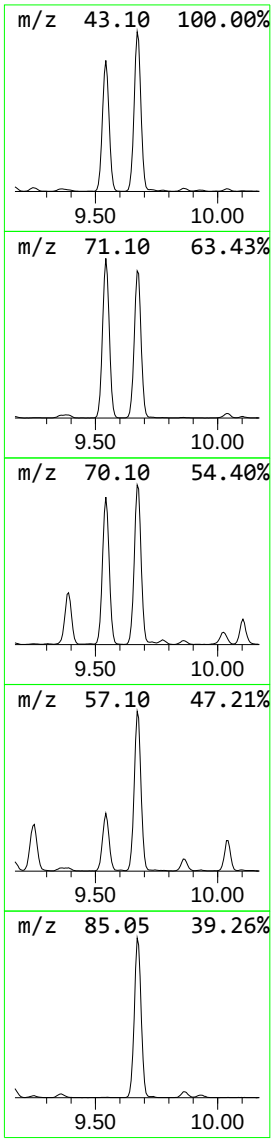
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.670	234.39 ug/l	5781250	1,4-Difluorobenzene	8.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

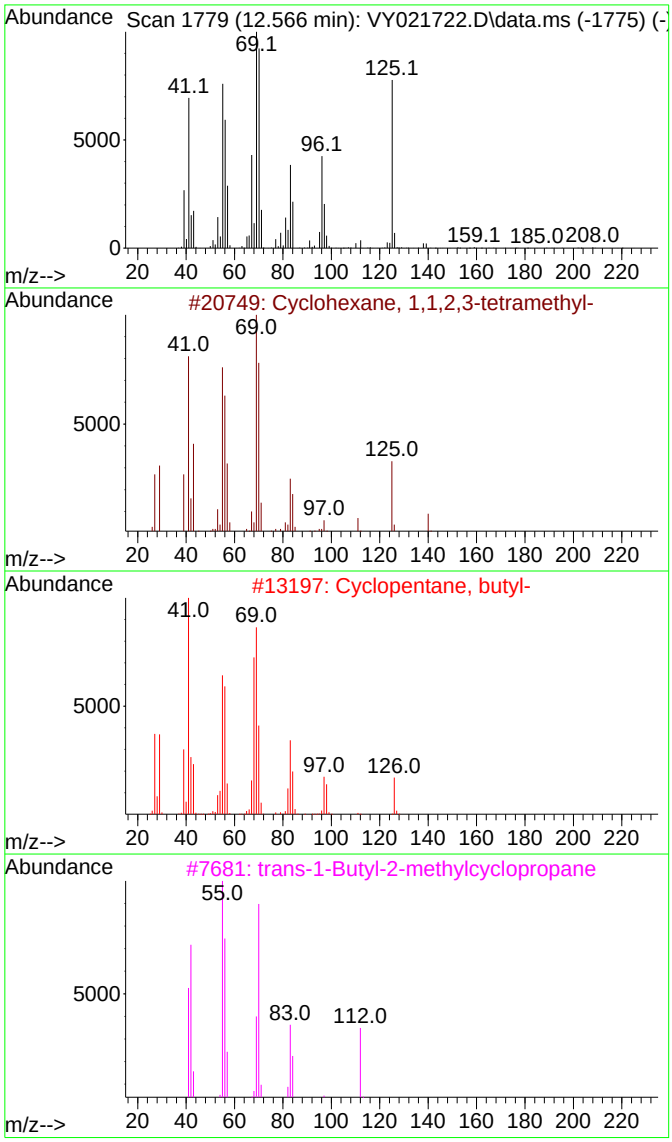
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

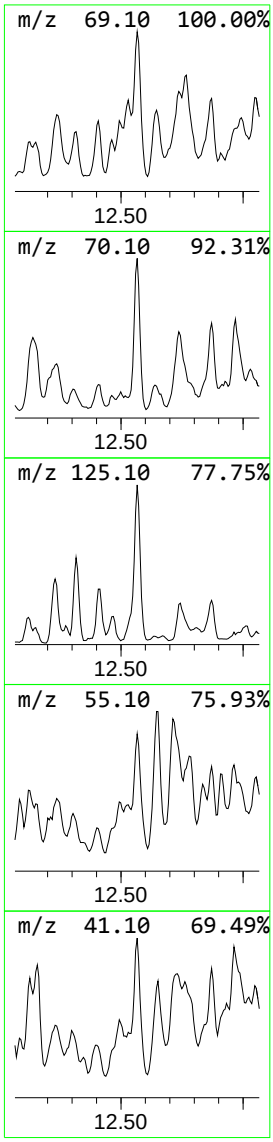
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.566	57.45 ug/l	1910510	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	50
2	Cyclopentane, butyl-	126	C9H18	002040-95-1	43
3	trans-1-Butyl-2-methylcyclopropane	112	C8H16	038851-70-6	38
4	Cyclopropane, 1,1-dimethyl-2-nonyl-	196	C14H28	041977-38-2	35
5	Cyclopentane, 1-butyl-2-propyl-	168	C12H24	062199-50-2	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

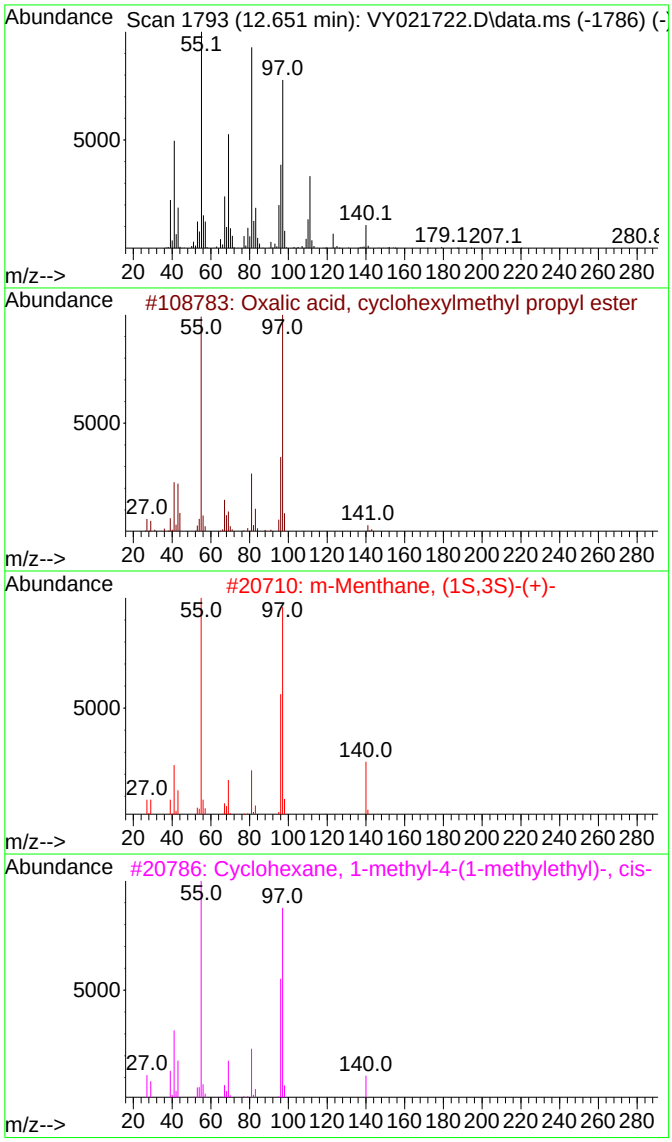
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

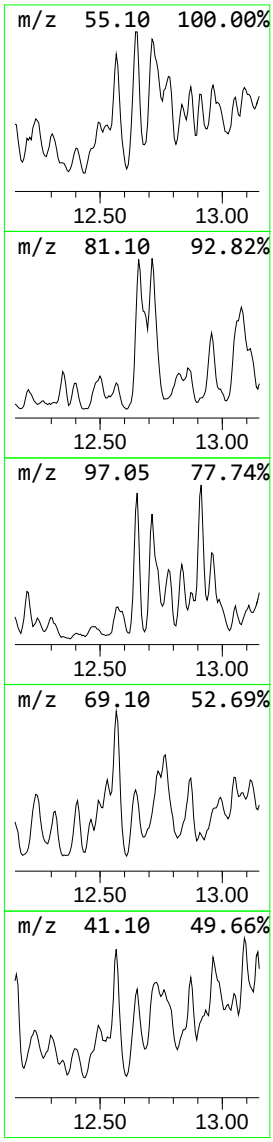
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown12.652 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.652	63.42 ug/l	2109120	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	46
2	m-Menthane, (1S,3S)-(+)-	140	C10H20	013837-67-7	46
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	46
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	46
5	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

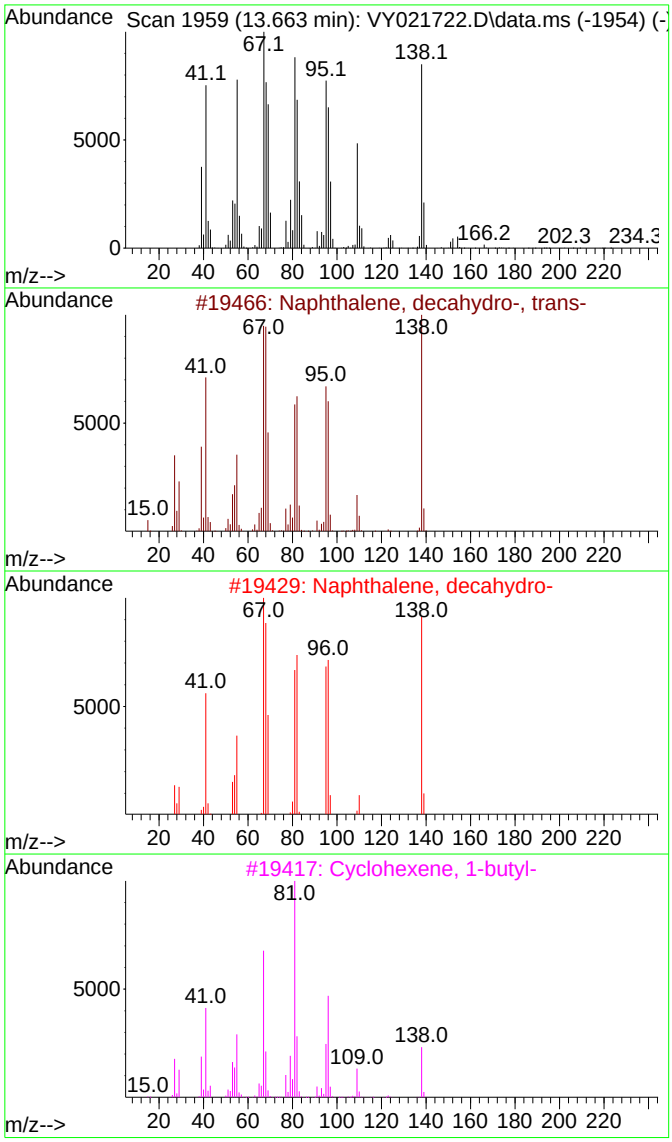
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

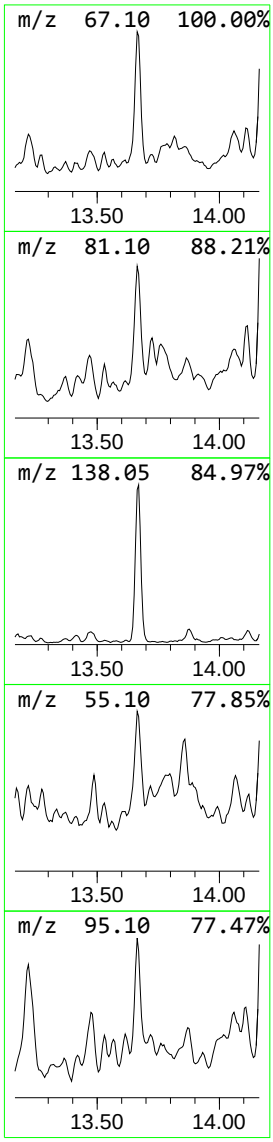
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	105.81 ug/l	3518700	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	95
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	93
3	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	90
4	Spiro[4.5]decane	138	C10H18	000176-63-6	76
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

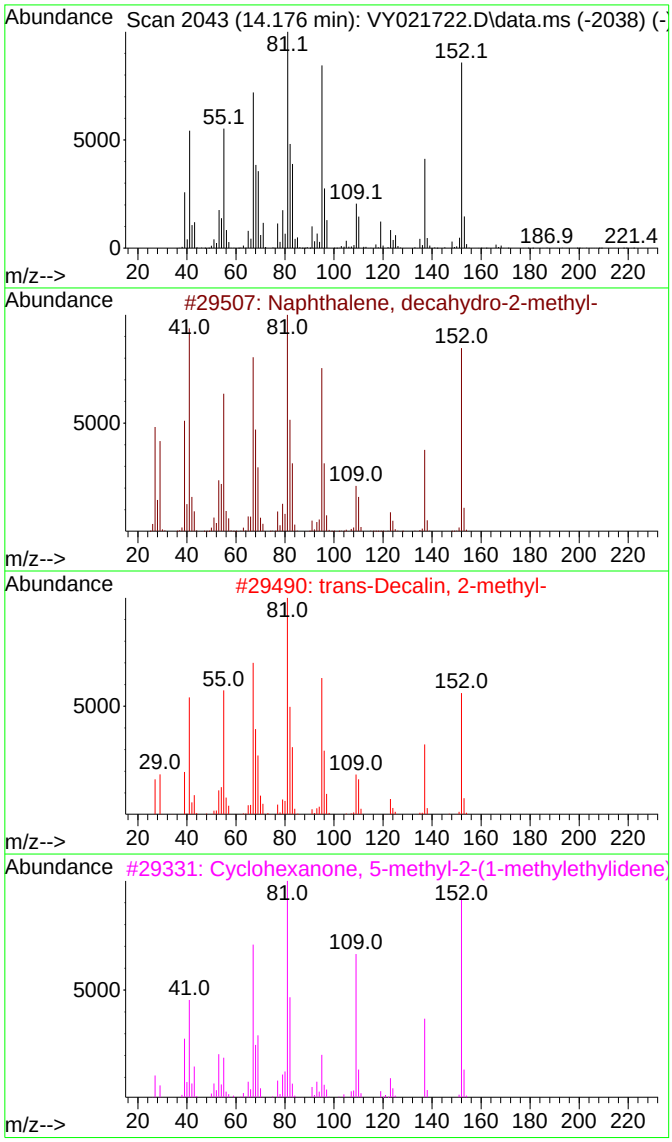
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

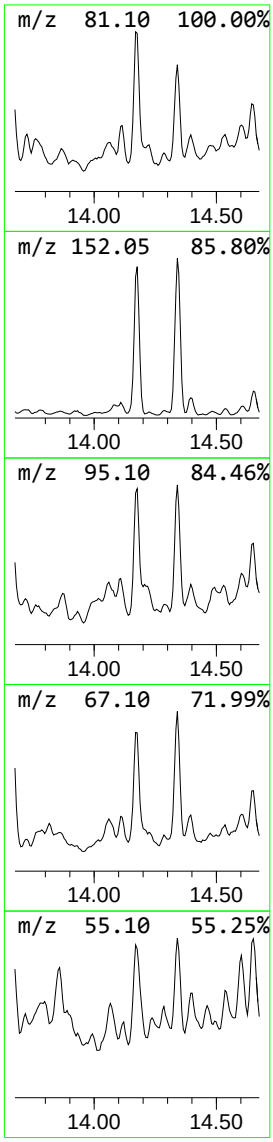
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	129.04 ug/l	4291320	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	83
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	76
5	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

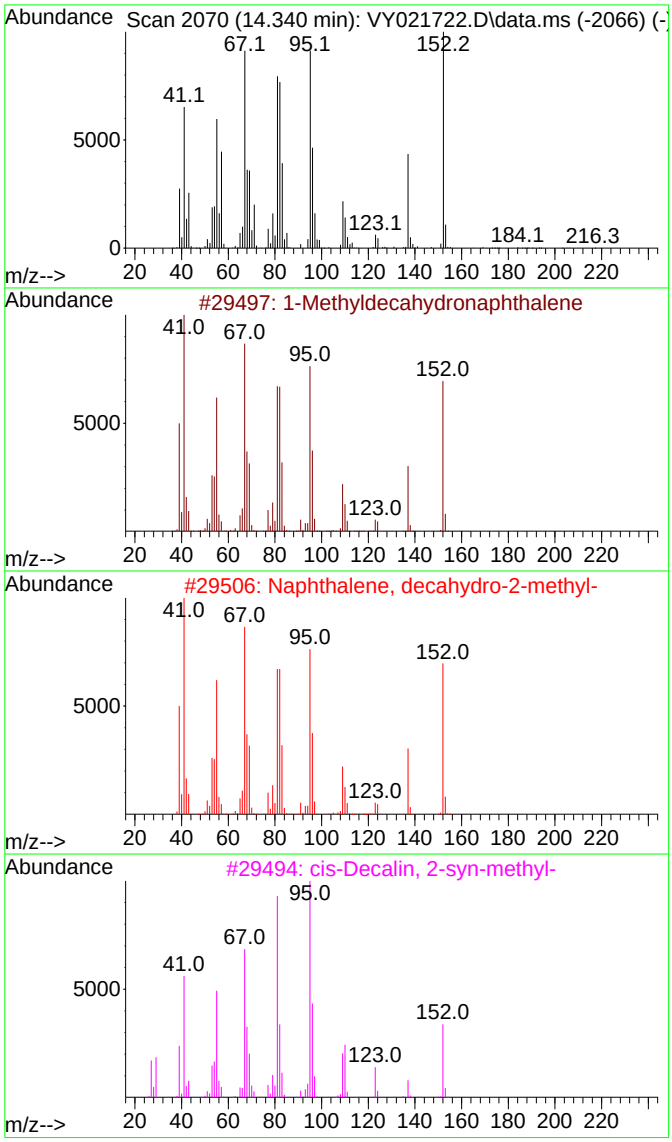
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

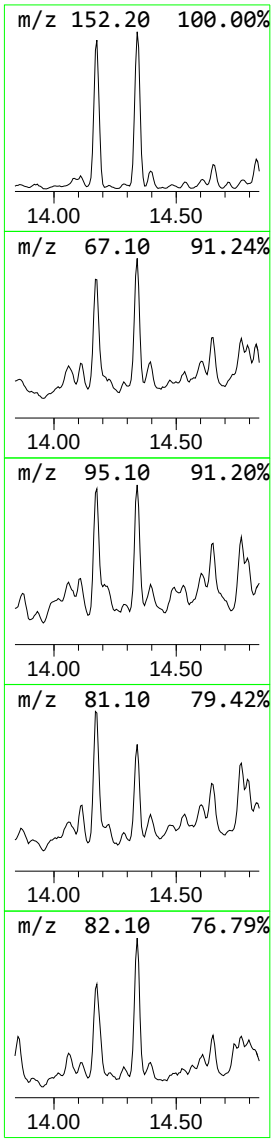
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1-Methyldecahydronaphthalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.340	85.69 ug/l	2849570	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	96
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	96
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	76
4	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	70
5	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

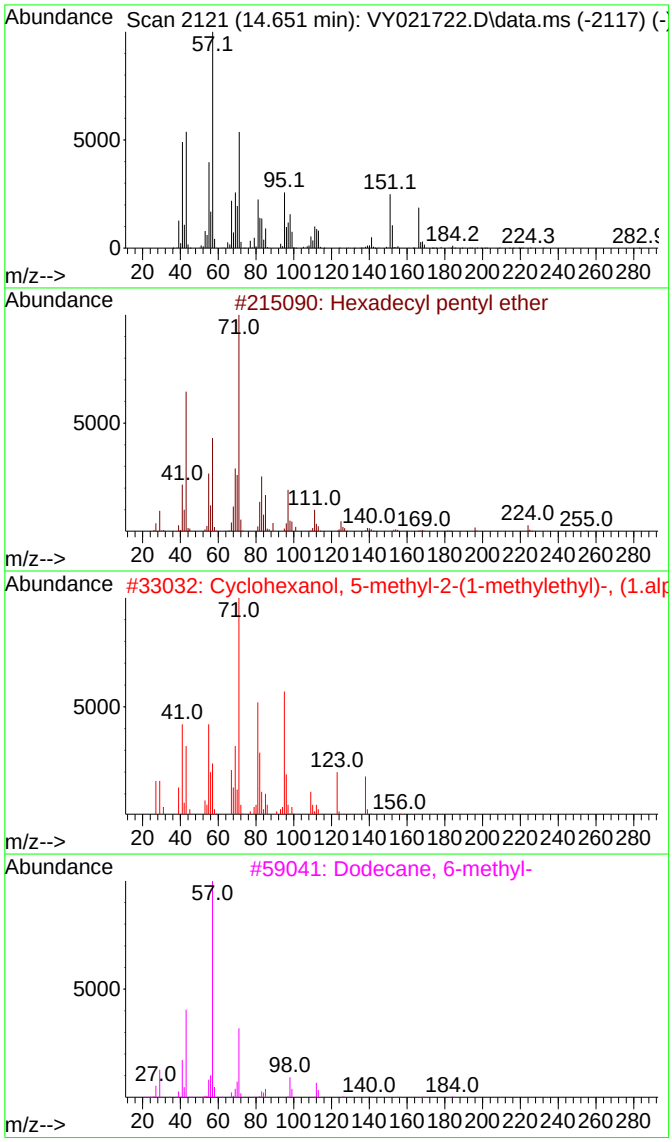
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

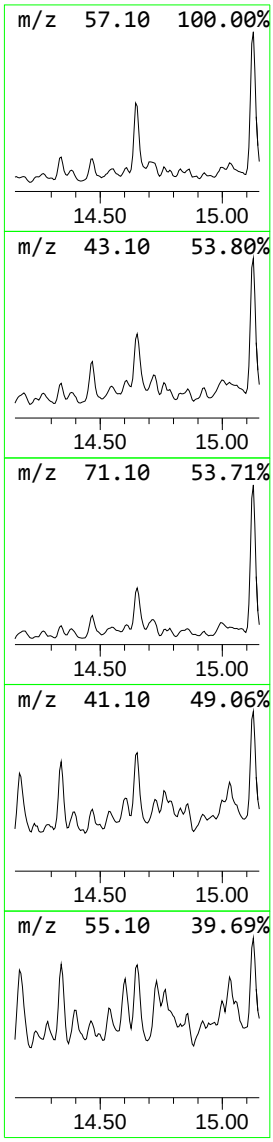
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 unknown14.651 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	91.69 ug/l	3049140	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecyl pentyl ether	312	C21H44O	1000406-41-8	43
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-02-1	43
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	38
4	2-Methyltetracosane	352	C25H52	001560-78-7	35
5	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

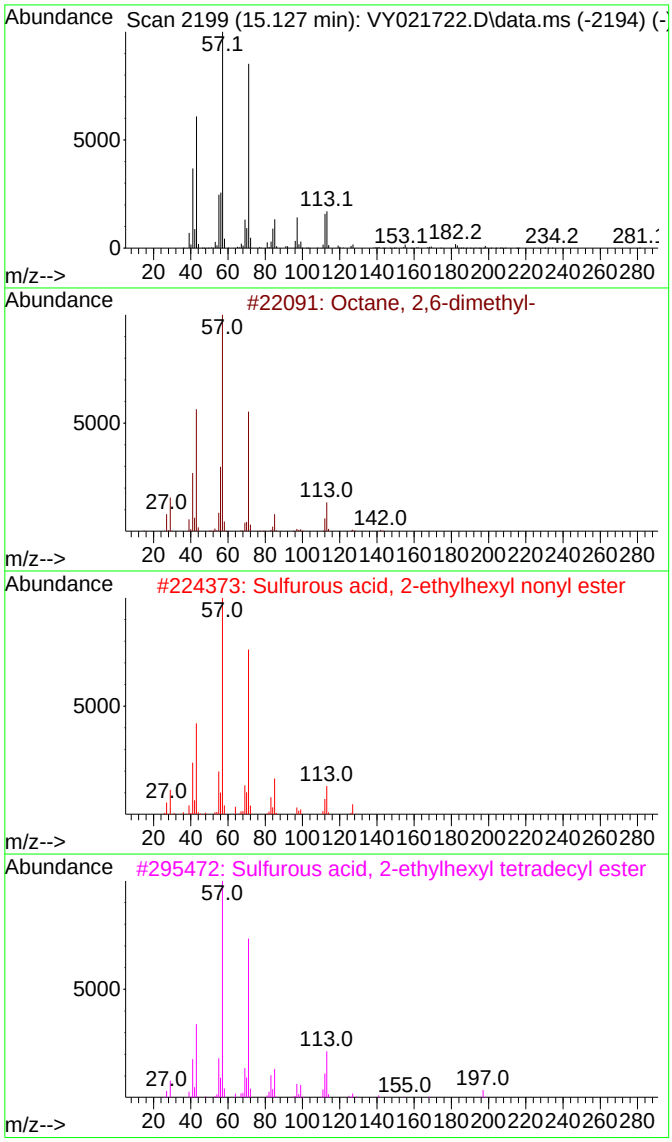
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

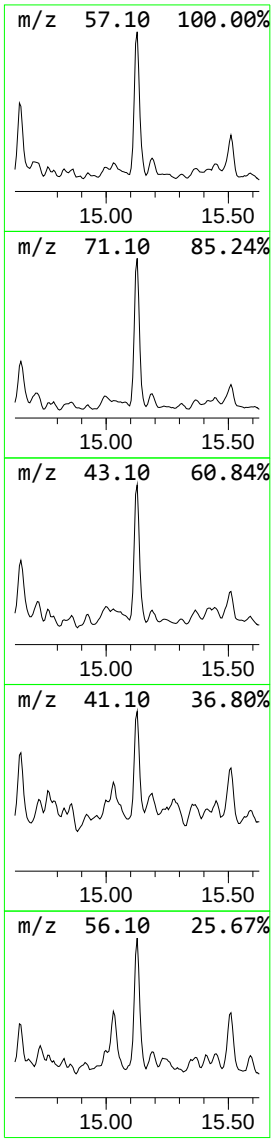
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Octane, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.127	119.04 ug/l	3958870	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
2	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
3	Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	72
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
5	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	59





Sample Results: **VY021722.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

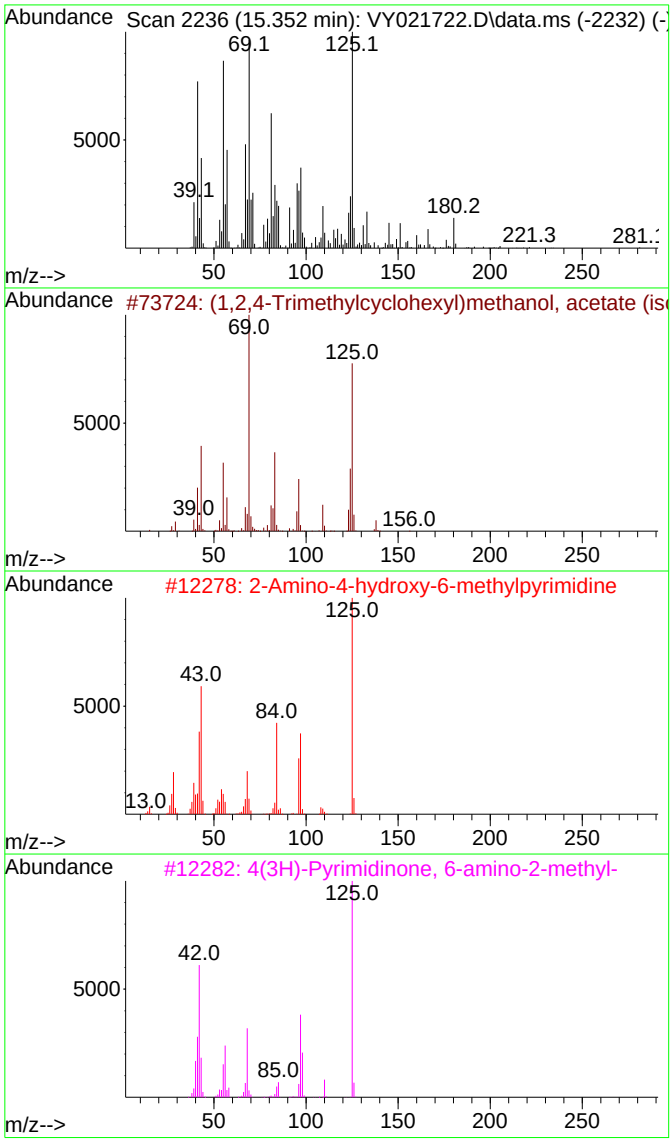
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

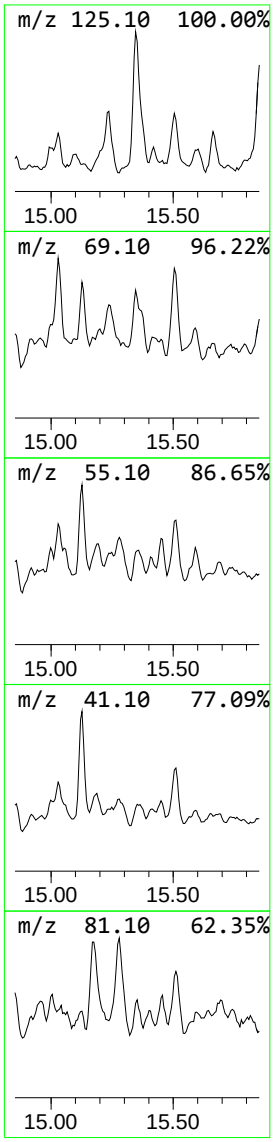
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 unknown15.352 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.352	50.63 ug/l	1683810	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1,2,4-Trimethylcyclohexyl)metha...	198	C12H22O2	1000499-04-5	43
2	2-Amino-4-hydroxy-6-methylpyrimi...	125	C5H7N3O	003977-29-5	25
3	4(3H)-Pyrimidinone, 6-amino-2-me...	125	C5H7N3O	1000338-09-8	25
4	Mandelic acid imine, p-fuoro-	169	C8H8FNO2	1000153-29-2	22
5	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

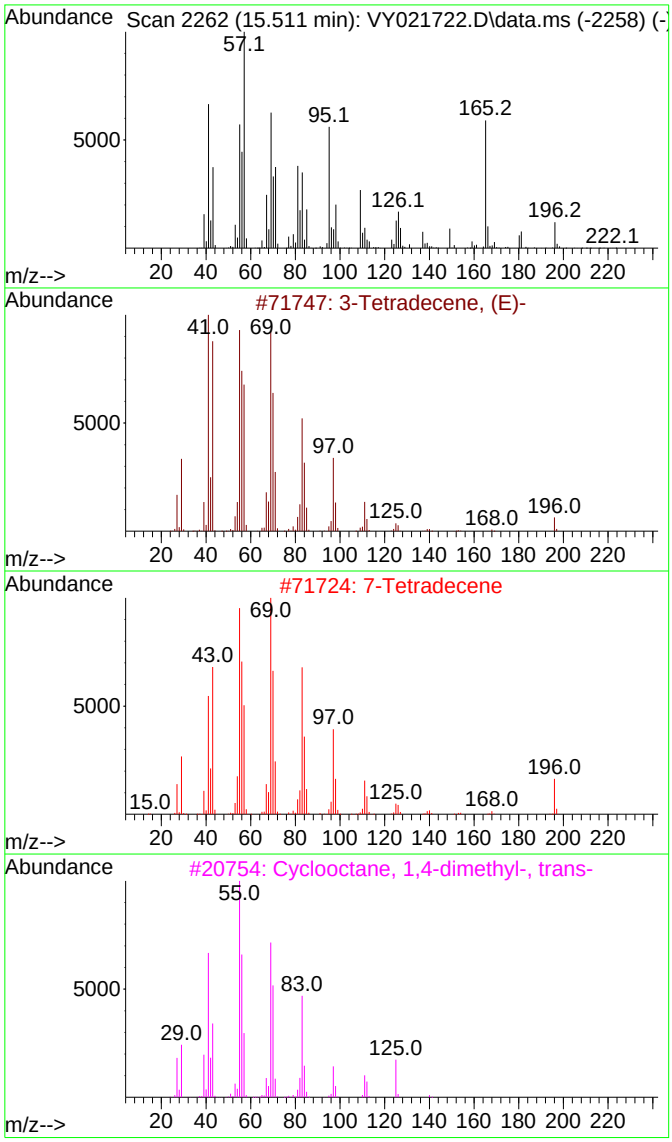
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

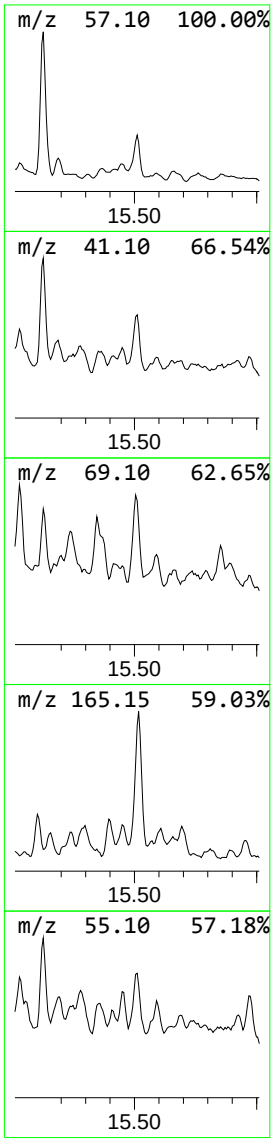
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 unknown15.511 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.511	75.74 ug/l	2518980	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Tetradecene, (E)-	196	C14H28	041446-68-8	25
2	7-Tetradecene	196	C14H28	010374-74-0	25
3	Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	25
4	6-Tridecene, 7-methyl-	196	C14H28	024949-42-6	25
5	7-Tetradecene, (E)-	196	C14H28	041446-63-3	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

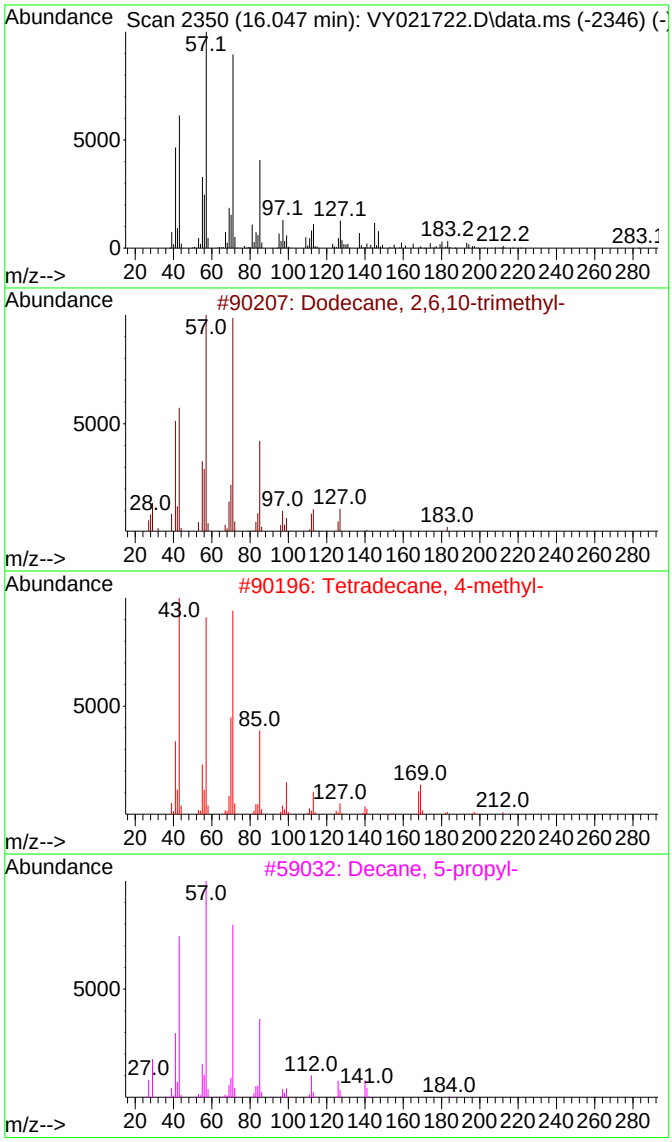
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

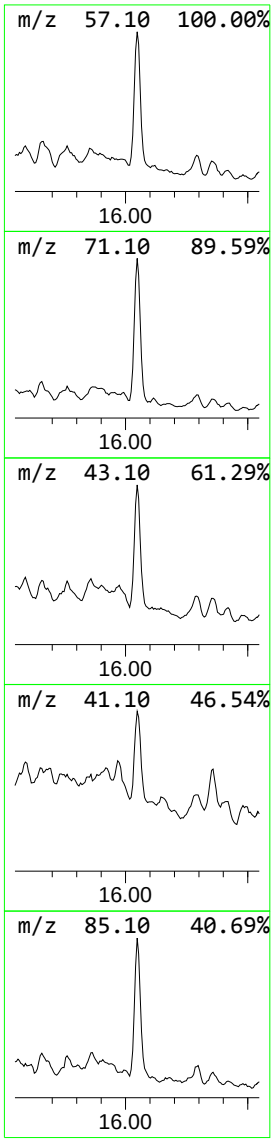
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Dodecane, 2,6,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.047	77.58 ug/l	2579950	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	72
3	Decane, 5-propyl-	184	C13H28	017312-62-8	62
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5	Decane, 3-methyl-	156	C11H24	013151-34-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

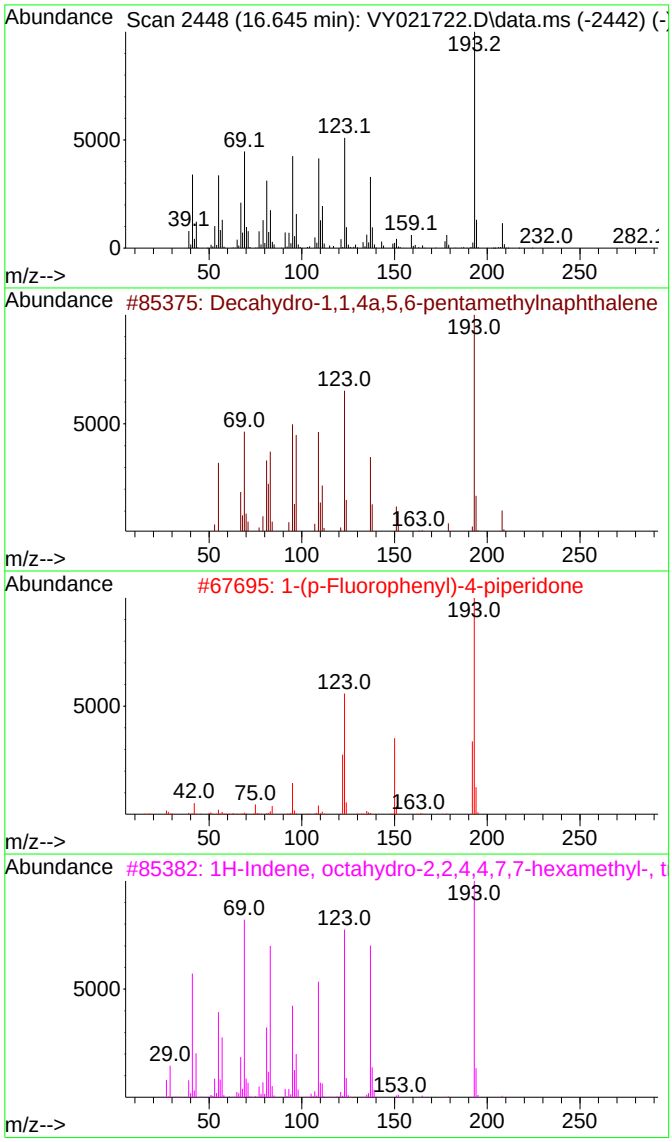
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

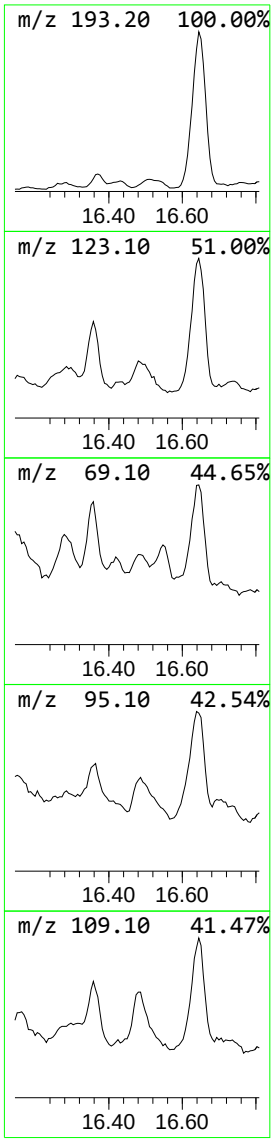
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.645	72.42 ug/l	2408530	1,4-Dichlorobenzene-d4	13.347

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	83
2	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	43
3	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	43
4	N-(4-Bromo-2-chlorophenyl)-2-[4-...	425	C17H17BrClN3O3	1000482-48-9	35
5	4',6'-Dimethoxy-2',3'-dimethylac...	208	C12H16O3	1010244-80-3	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021722.D
Acq On : 31 Mar 2025 16:11
Operator : SY/MD
Sample : Q1675-08
Misc : 14.26g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2,4-di...	6.585	63.8	ug/l	1058960	1	7.707	830478	50.0
Hexane, 2,2-dim...	8.244	247.7	ug/l	6110080	2	8.609	1233250	50.0
Pentane, 2,3,4-...	9.542	165.3	ug/l	4078020	2	8.609	1233250	50.0
Pentane, 2,3,3-...	9.670	234.4	ug/l	5781250	2	8.609	1233250	50.0
Cyclohexane, 1,...	12.566	57.5	ug/l	1910510	4	13.347	1662820	50.0
unknown12.652	12.652	63.4	ug/l	2109120	4	13.347	1662820	50.0
Naphthalene, de...	13.664	105.8	ug/l	3518700	4	13.347	1662820	50.0
Naphthalene, de...	14.176	129.0	ug/l	4291320	4	13.347	1662820	50.0
1-Methyldecahyd...	14.340	85.7	ug/l	2849570	4	13.347	1662820	50.0
unknown14.651	14.651	91.7	ug/l	3049140	4	13.347	1662820	50.0
Octane, 2,6-dim...	15.127	119.0	ug/l	3958870	4	13.347	1662820	50.0
unknown15.352	15.352	50.6	ug/l	1683810	4	13.347	1662820	50.0
unknown15.511	15.511	75.7	ug/l	2518980	4	13.347	1662820	50.0
Dodecane, 2,6,1...	16.047	77.6	ug/l	2579950	4	13.347	1662820	50.0
Decahydro-1,1,4...	16.645	72.4	ug/l	2408530	4	13.347	1662820	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Time: Apr 02 03:23:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

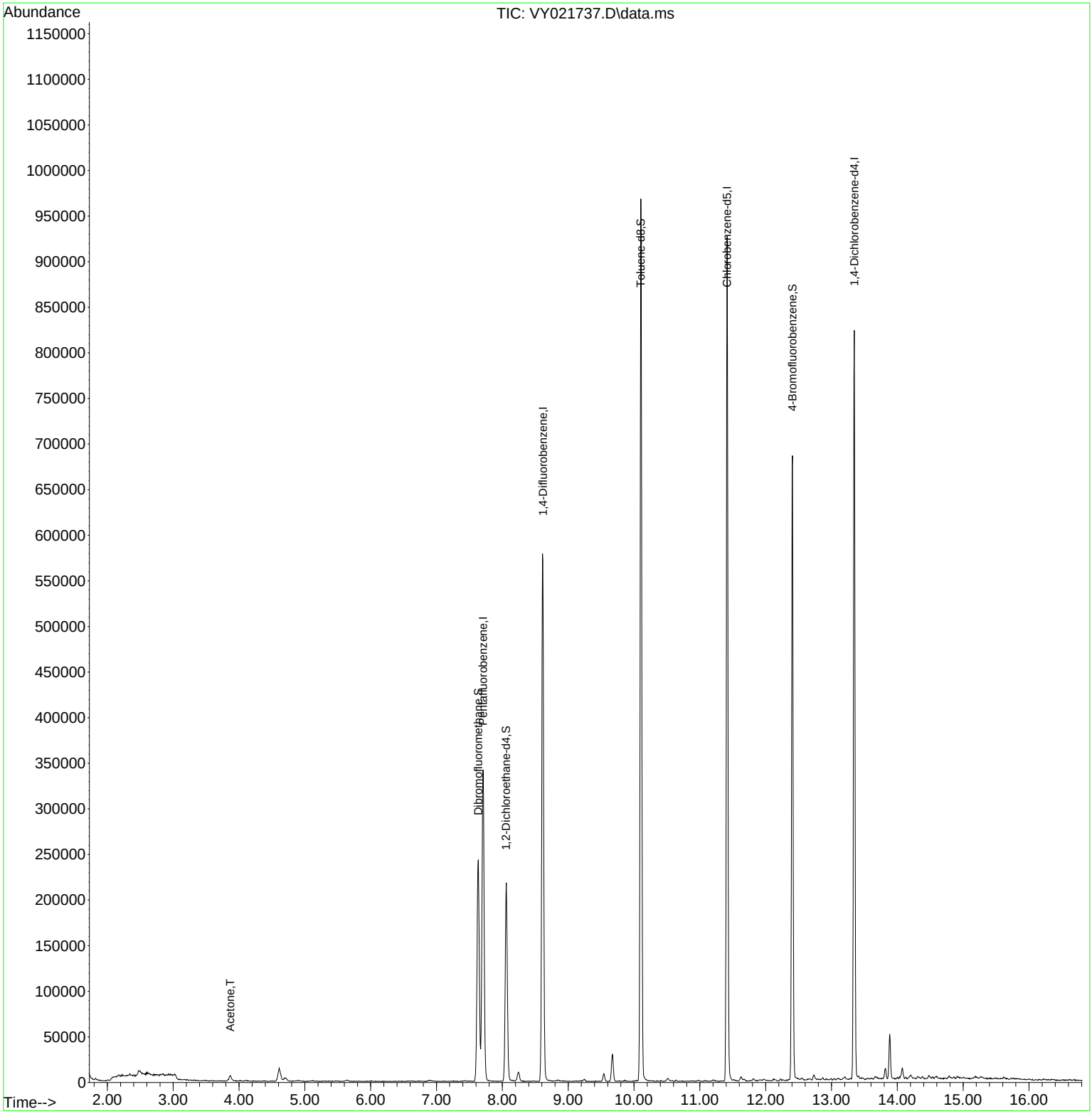
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	259184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	488873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	462972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	201176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	169059	60.202	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.400%			
35) Dibromofluoromethane	7.634	113	168115	53.012	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.020%			
50) Toluene-d8	10.103	98	605610	50.198	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.400%			
62) 4-Bromofluorobenzene	12.408	95	206234	50.539	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.080%			
Target Compounds						Qvalue
16) Acetone	3.867	43	9363	16.291	ug/l	93

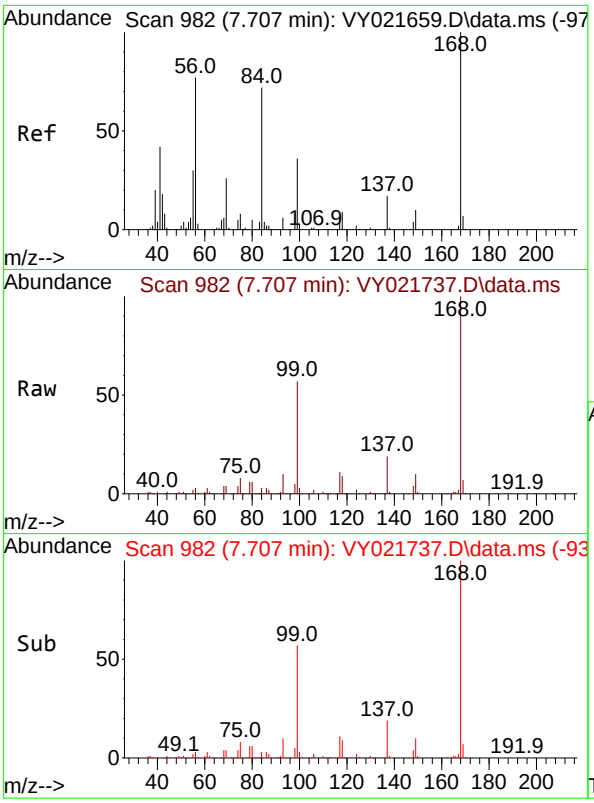
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Time: Apr 02 03:23:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



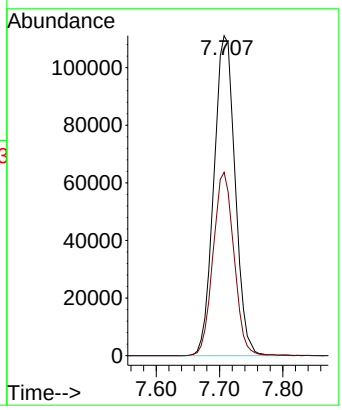


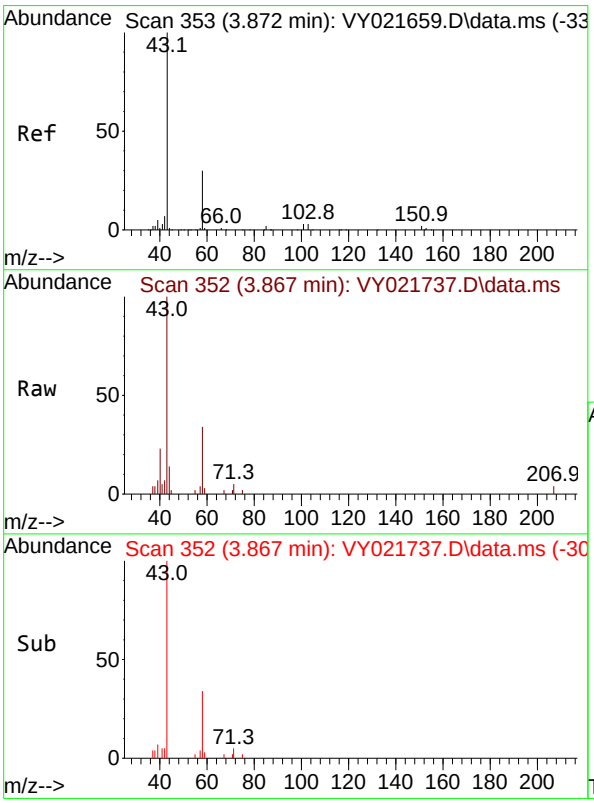
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion:168 Resp: 259184

Ion	Ratio	Lower	Upper
168	100		
99	57.3	46.7	70.1

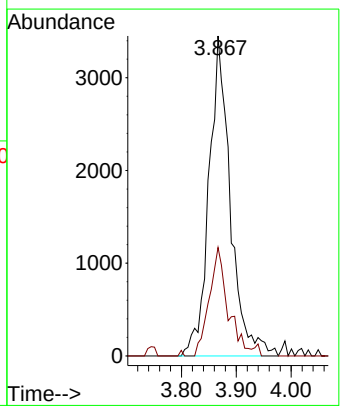


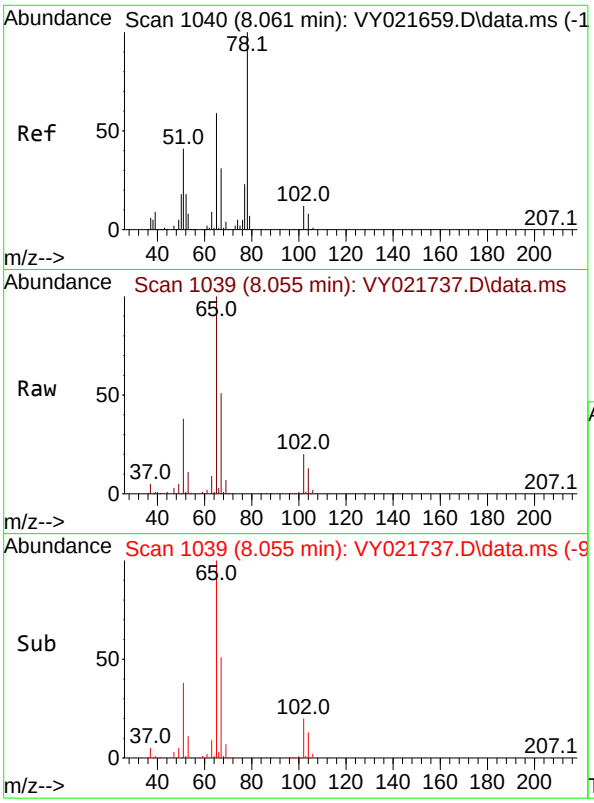


#16
Acetone
Concen: 16.291 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Tgt Ion: 43 Resp: 9363

Ion	Ratio	Lower	Upper
43	100		
58	33.9	24.2	36.4



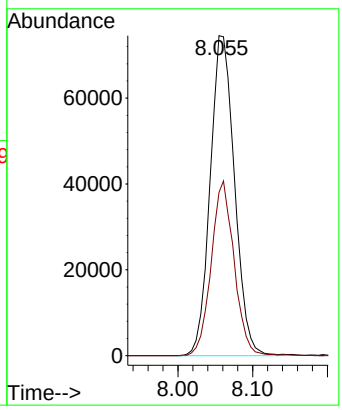


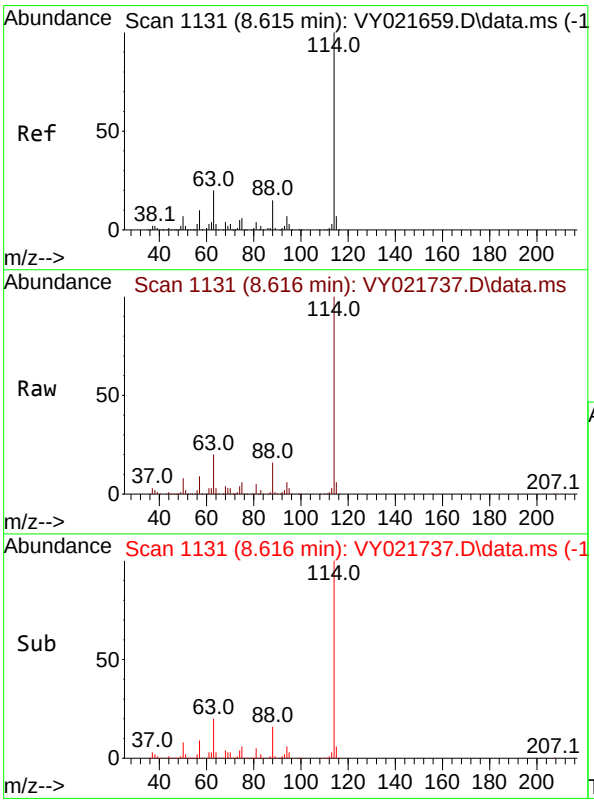
#33
1,2-Dichloroethane-d4
Concen: 60.202 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion: 65 Resp: 169059

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.6

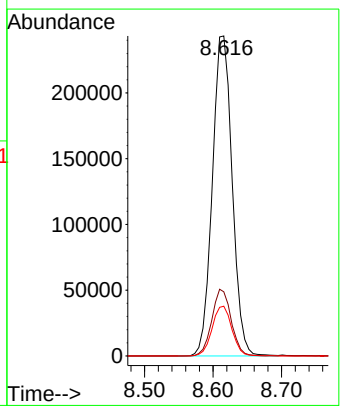


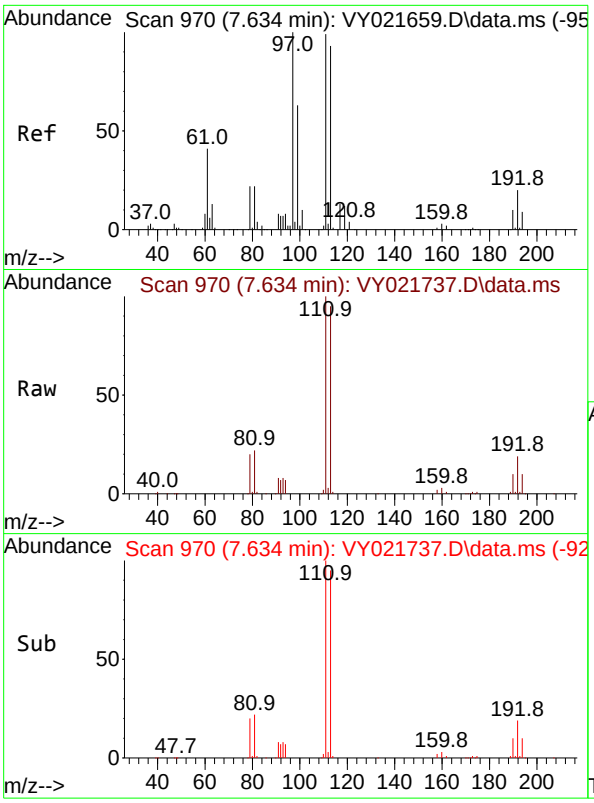


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Tgt Ion:114 Resp: 488873

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.2
88	15.5	0.0	29.8



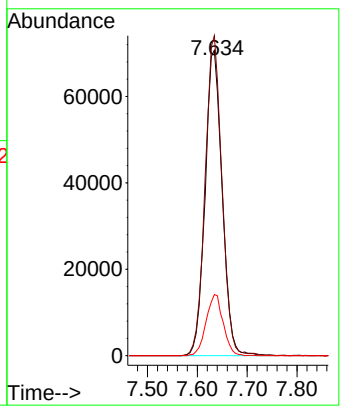


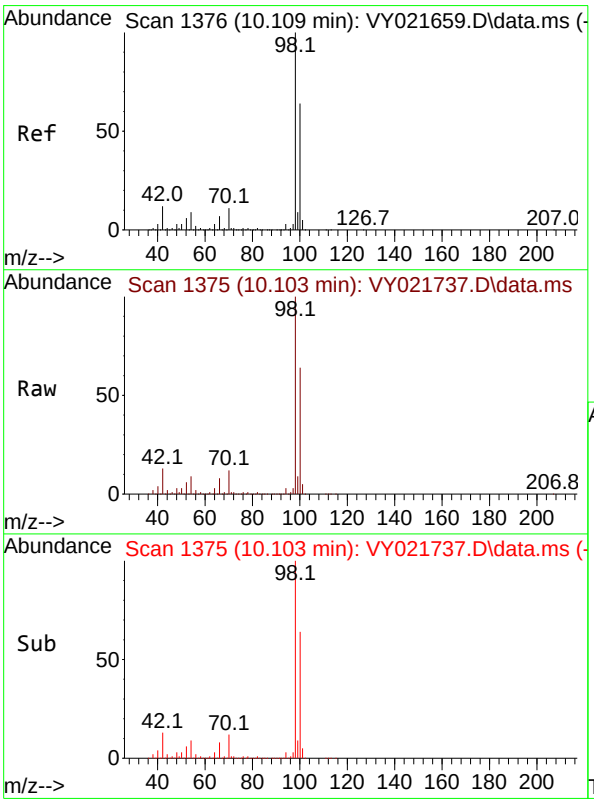
#35
Dibromofluoromethane
Concen: 53.012 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion:113 Resp: 168115

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	19.9	16.2	24.4

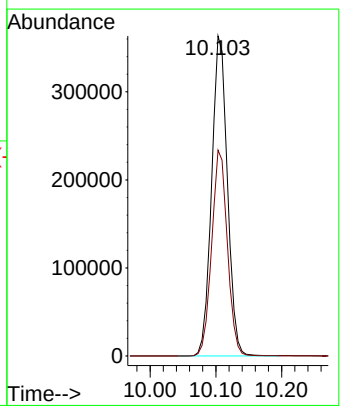


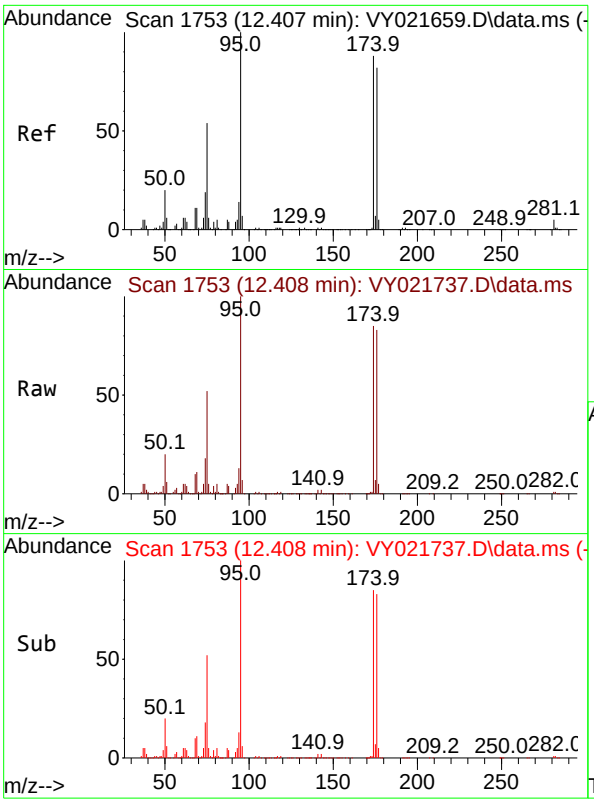


#50
Toluene-d8
Concen: 50.198 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Tgt Ion: 98 Resp: 605610

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1



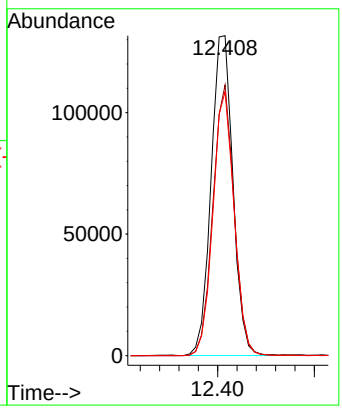


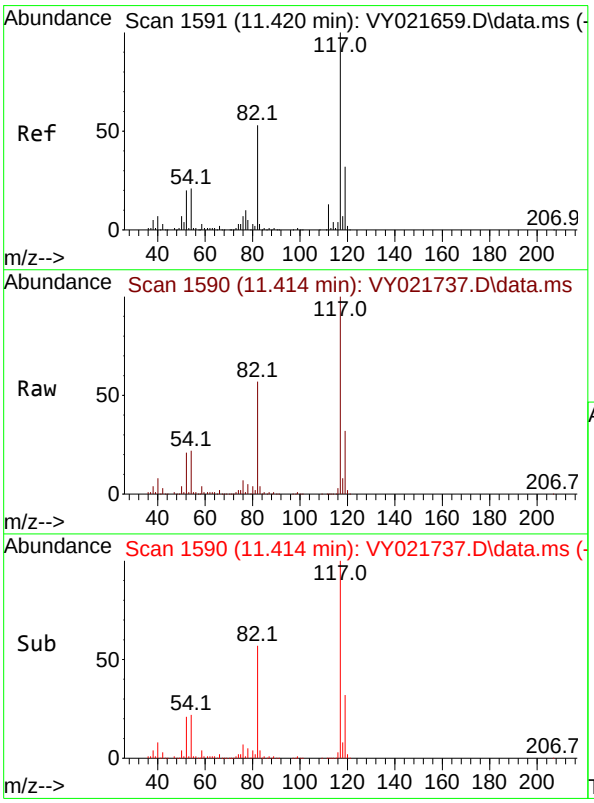
#62
4-Bromofluorobenzene
Concen: 50.539 ug/l
RT: 12.408 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion: 95 Resp: 206234

Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	170.8
176	80.1	0.0	162.0

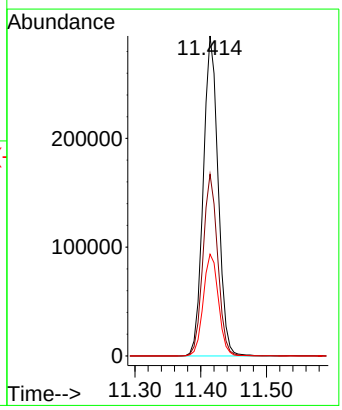


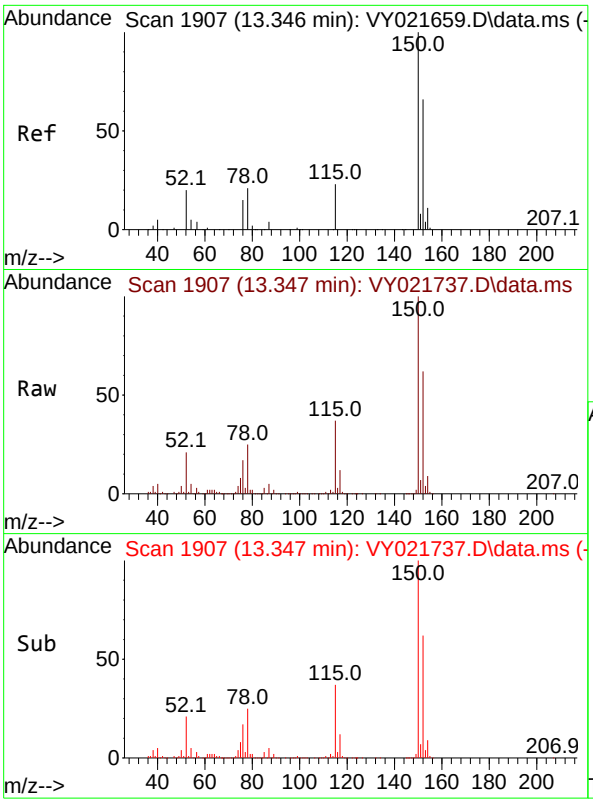


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Tgt Ion:117 Resp: 462972

Ion	Ratio	Lower	Upper
117	100		
82	56.8	42.8	64.2
119	31.8	25.7	38.5



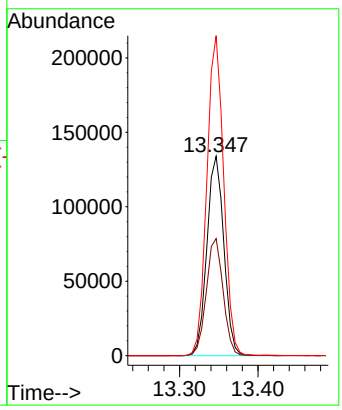


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021737.D
Acq: 01 Apr 2025 13:22

Instrument :
MSVOA_Y
ClientSampleId :
T3

Tgt Ion:152 Resp: 201176

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.8	86.5
150	159.2	0.0	348.4



Sample Results: **VY021737.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021737.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.867	340	352	360	rBV2	6168	17115	1.06%	0.196%
2	4.610	464	474	482	rBV2	14352	41075	2.54%	0.472%
3	7.634	958	970	976	rBV2	243127	579654	35.89%	6.655%
4	7.707	976	982	996	rVB	341087	777082	48.11%	8.922%
5	8.061	1028	1040	1050	rBV	218088	478668	29.63%	5.496%
6	8.244	1061	1070	1080	rVB3	10091	25337	1.57%	0.291%
7	8.610	1121	1130	1144	rBV	578716	1162390	71.96%	13.345%
8	9.542	1277	1283	1291	rVB5	8423	16660	1.03%	0.191%
9	9.670	1297	1304	1312	rBV2	29629	59938	3.71%	0.688%
10	10.103	1368	1375	1388	rBV	967203	1615287	100.00%	18.545%
11	11.414	1581	1590	1602	rBV	926574	1472174	91.14%	16.902%
12	12.408	1745	1753	1760	rBV	684237	1088698	67.40%	12.499%
13	13.347	1900	1907	1915	rBV	820833	1253836	77.62%	14.395%
14	13.822	1979	1985	1989	rVB2	11226	19312	1.20%	0.222%
15	13.883	1989	1995	2003	rBV2	48932	80805	5.00%	0.928%
16	14.078	2021	2027	2032	rVB7	11552	22113	1.37%	0.254%

Sum of corrected areas: 8710144

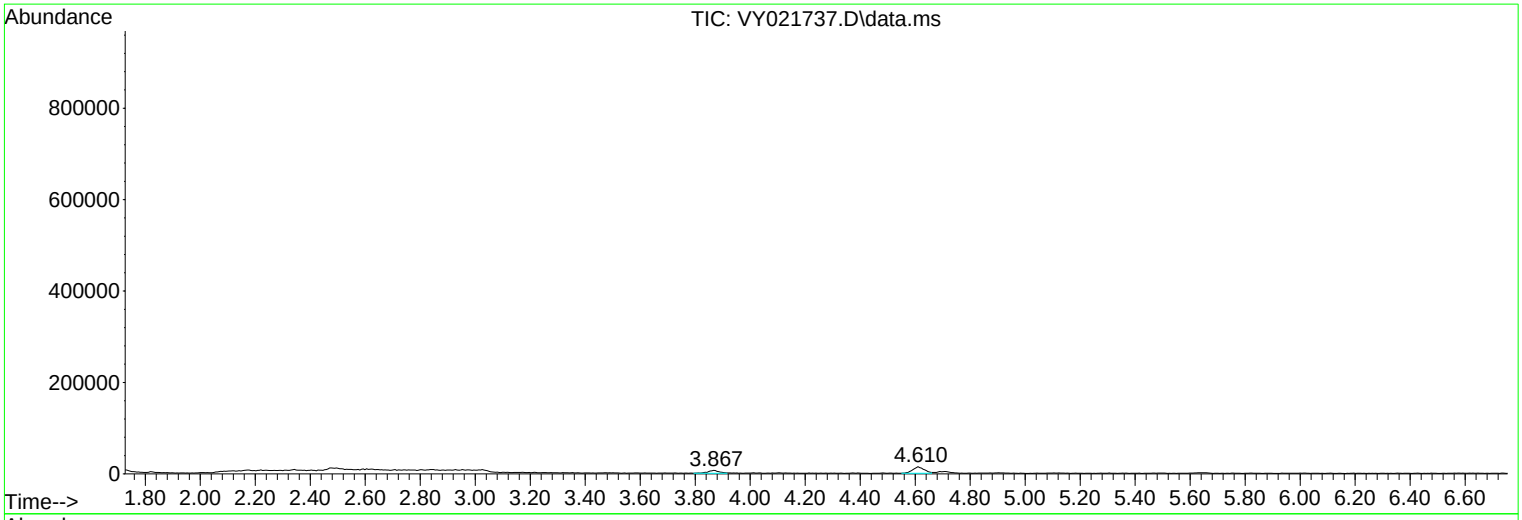
Sample Results: **VY021737.D**

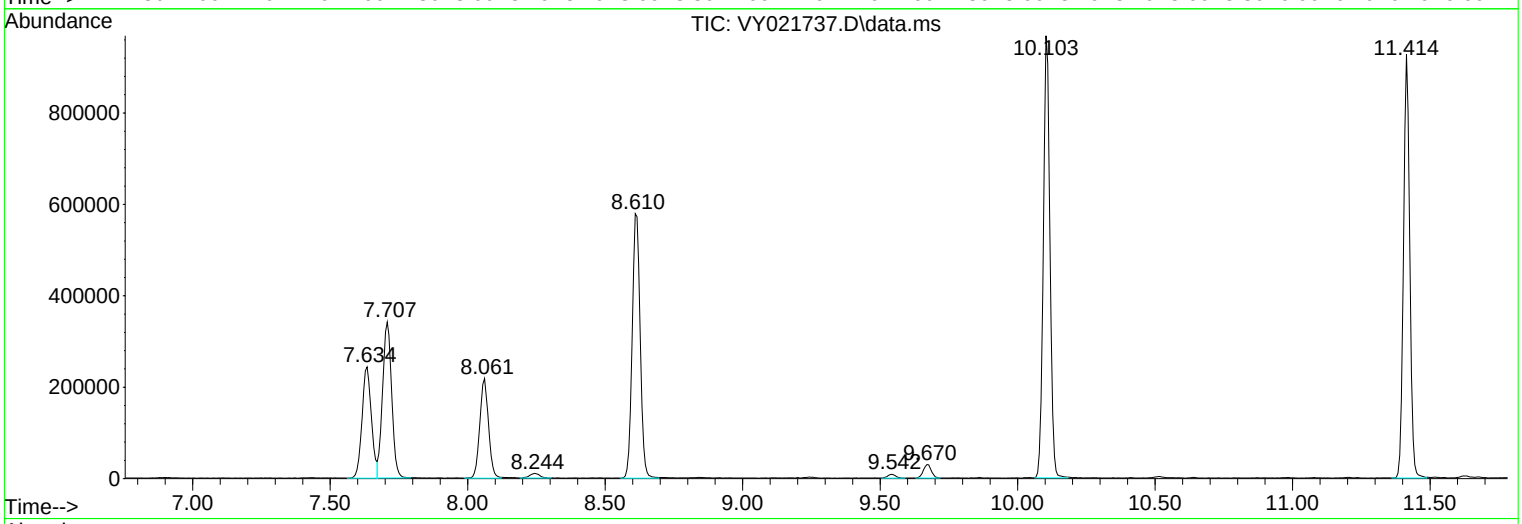
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

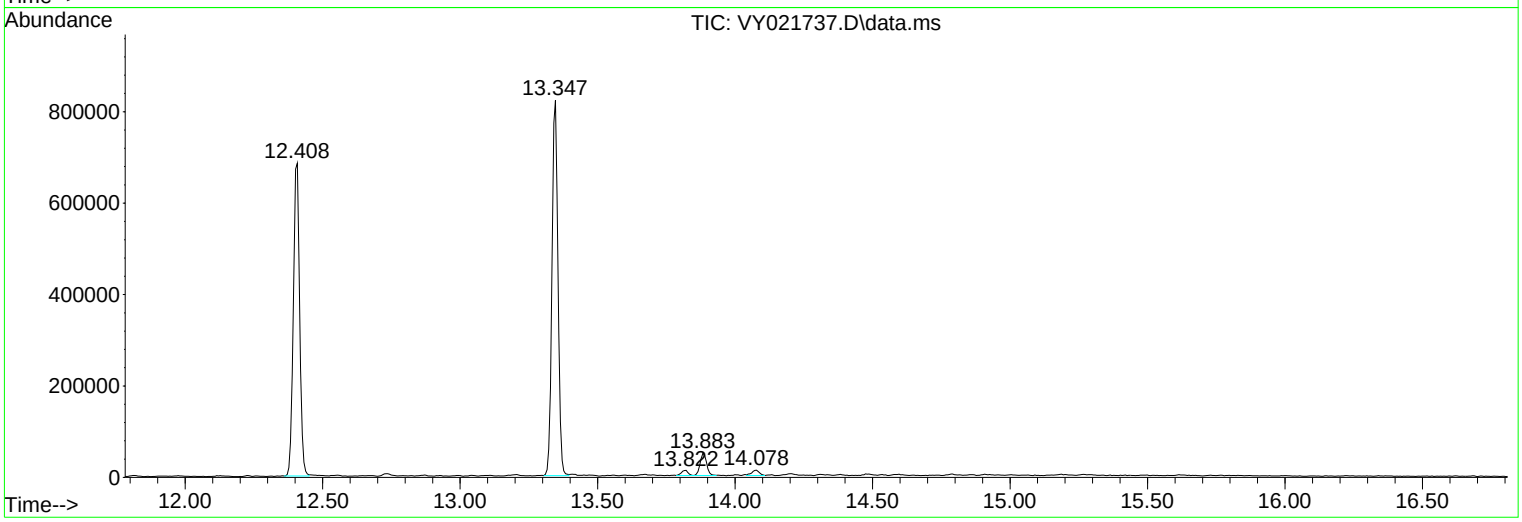
Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY040125\
Data File : VY021737.D
Acq On : 01 Apr 2025 13:22
Operator : SY/MD
Sample : Q1675-09
Misc : 8.15g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Time: Apr 01 05:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

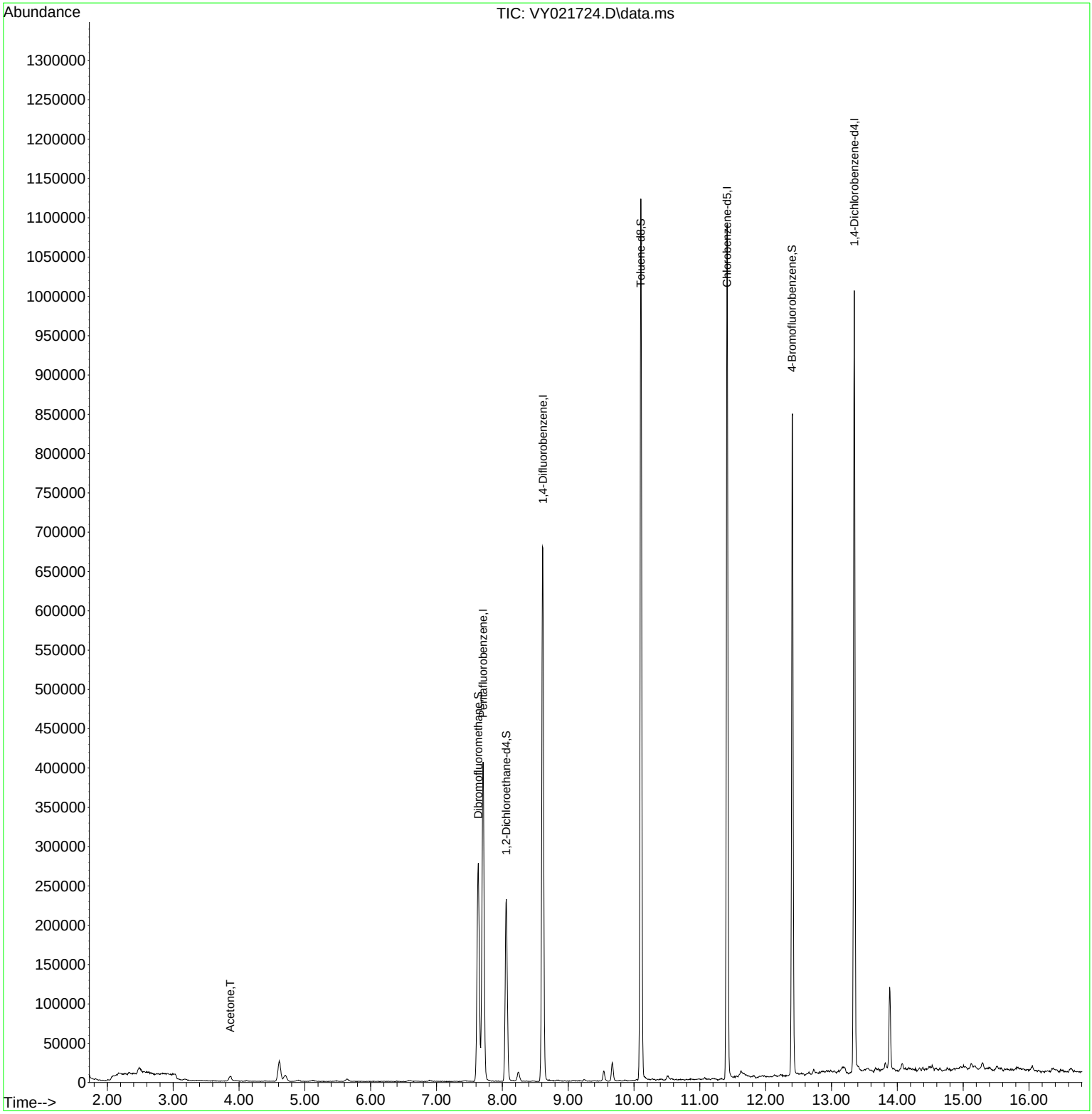
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	303922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	578602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	553448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	250658	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	186392	56.604	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.200%			
35) Dibromofluoromethane	7.634	113	195493	52.086	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.180%			
50) Toluene-d8	10.103	98	709429	49.685	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.360%			
62) 4-Bromofluorobenzene	12.401	95	255994	53.004	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.000%			
Target Compounds						Qvalue
16) Acetone	3.866	43	9920	14.720	ug/l	93

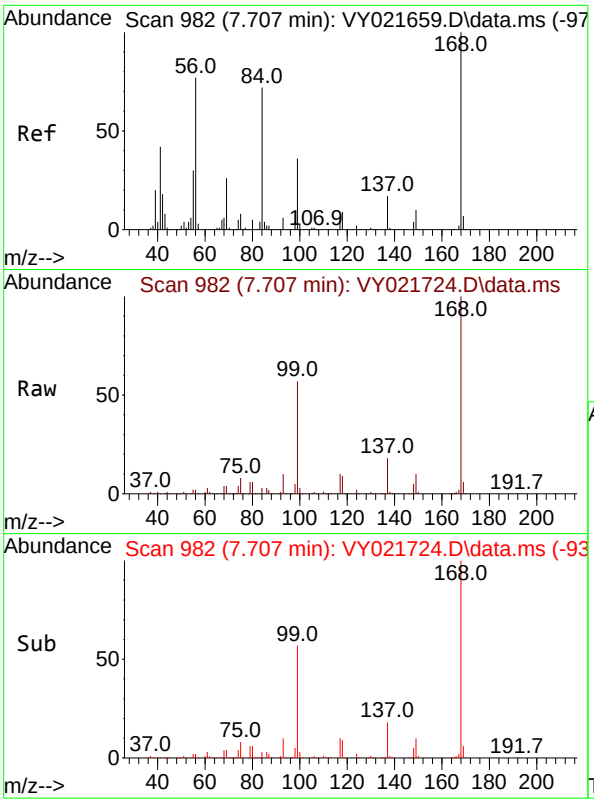
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Time: Apr 01 05:39:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



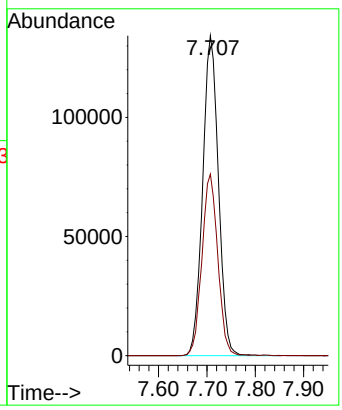


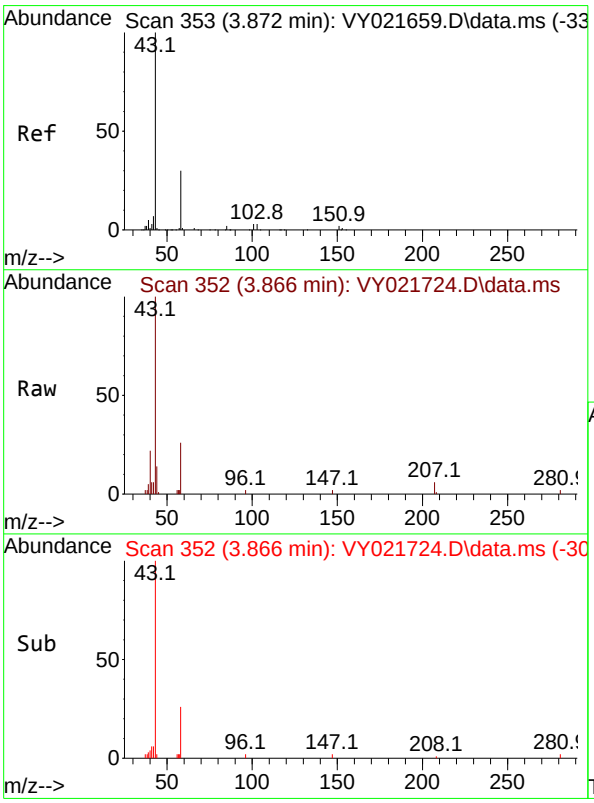
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
T4

Tgt Ion:168 Resp: 303922

Ion	Ratio	Lower	Upper
168	100		
99	56.7	46.7	70.1

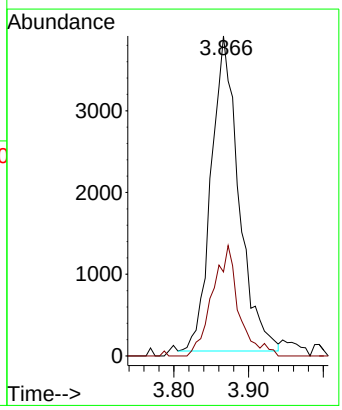


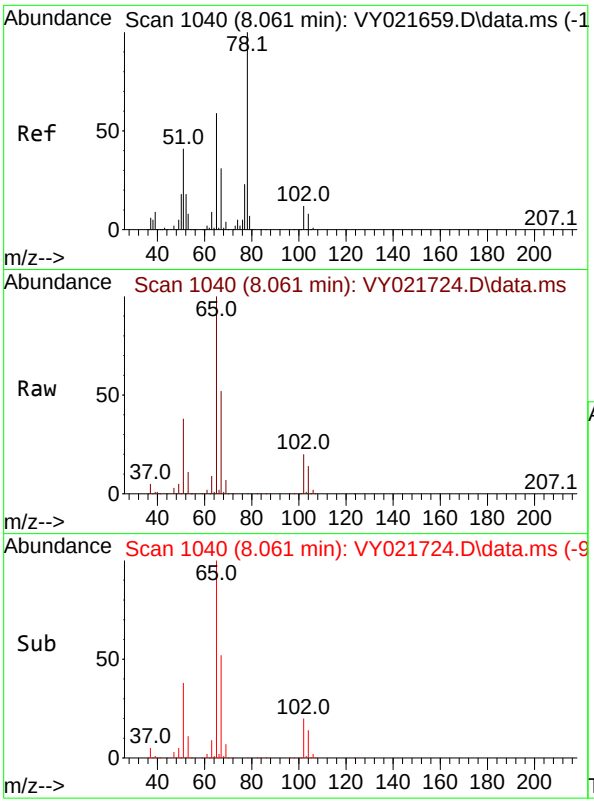


#16
Acetone
Concen: 14.720 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 43 Resp: 9920

Ion	Ratio	Lower	Upper
43	100		
58	26.7	24.2	36.4



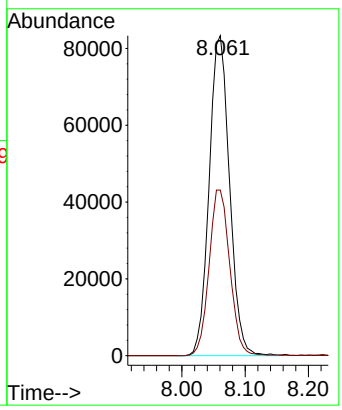


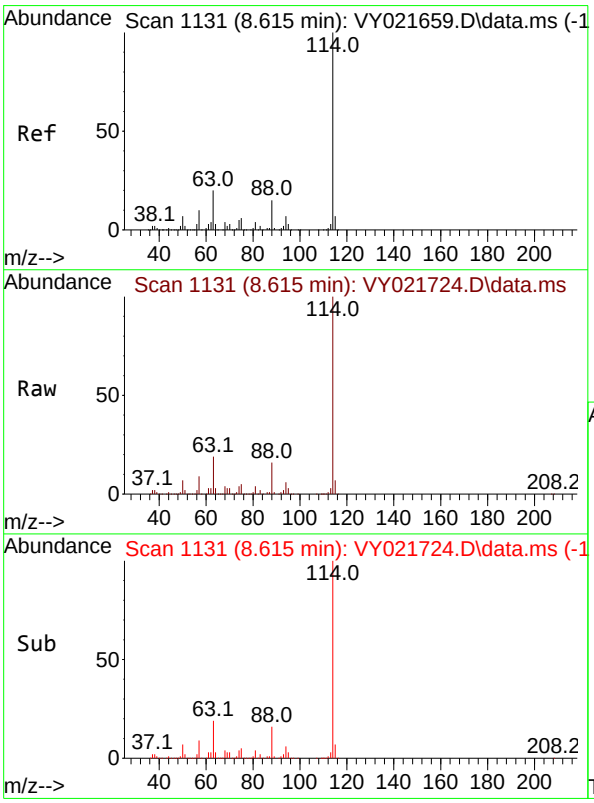
#33
1,2-Dichloroethane-d4
Concen: 56.604 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
T4

Tgt Ion: 65 Resp: 186392

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.6

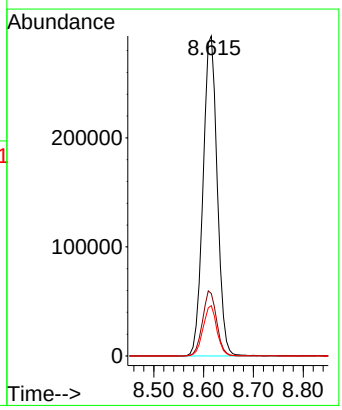


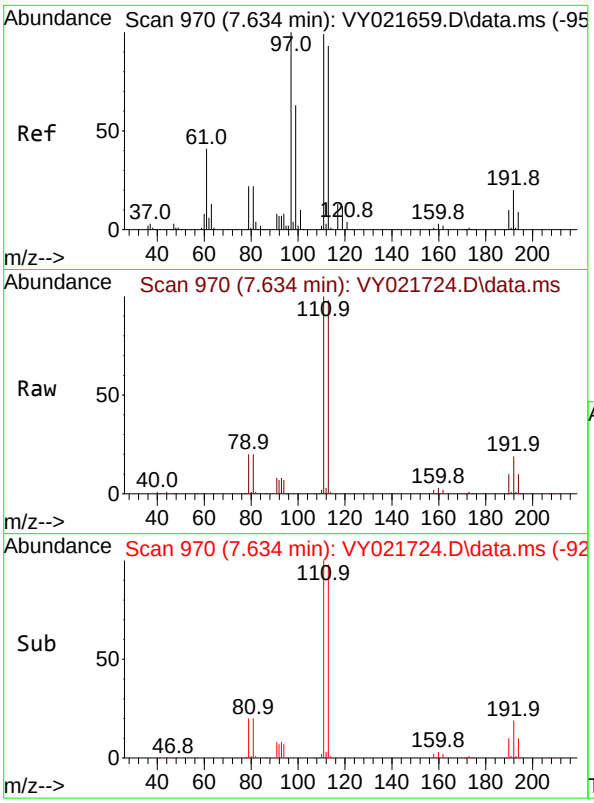


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion:114 Resp: 578602

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.2
88	15.7	0.0	29.8



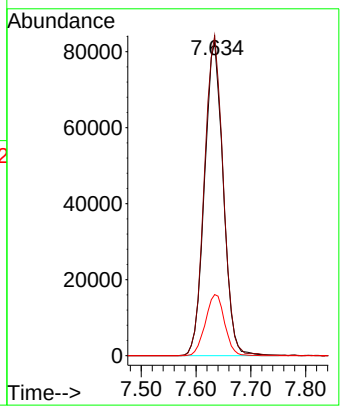


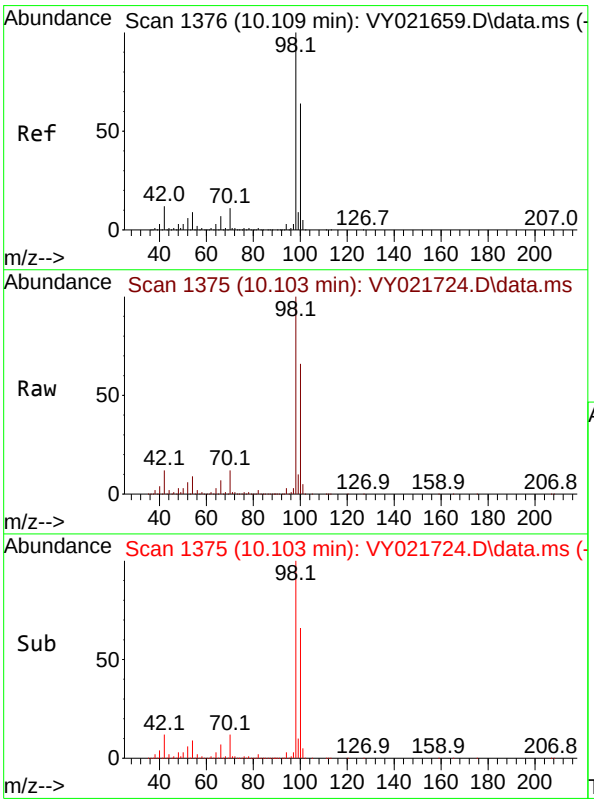
#35
Dibromofluoromethane
Concen: 52.086 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
T4

Tgt Ion:113 Resp: 195493

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	123.8
192	20.0	16.2	24.4

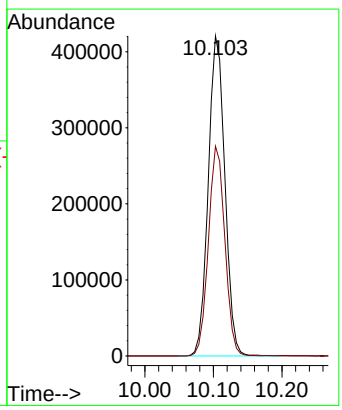


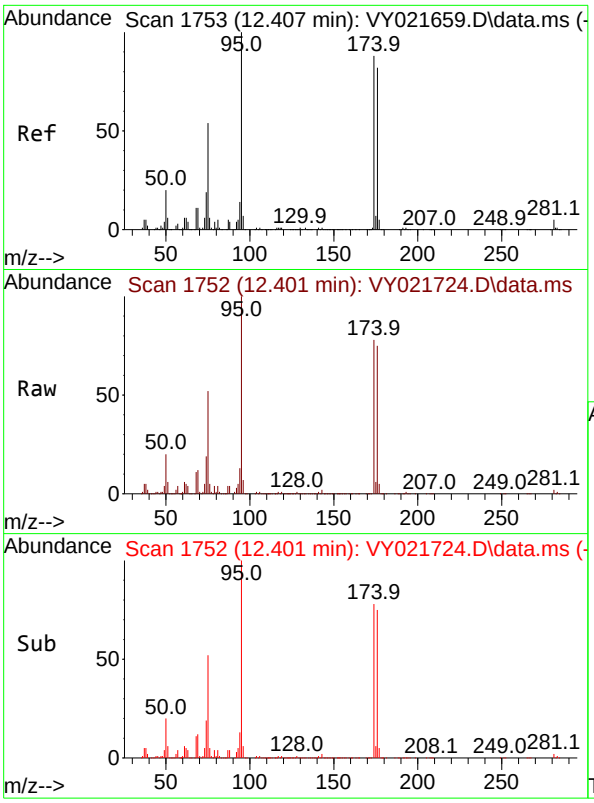


#50
Toluene-d8
Concen: 49.685 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion: 98 Resp: 709429

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1



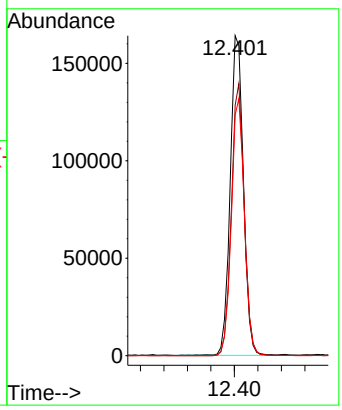


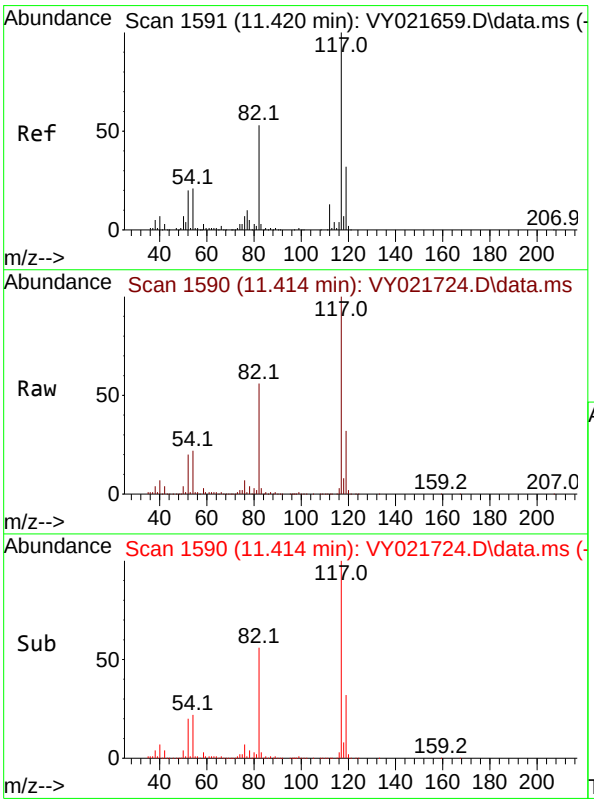
#62
4-Bromofluorobenzene
Concen: 53.004 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
T4

Tgt Ion: 95 Resp: 255994

Ion	Ratio	Lower	Upper
95	100		
174	83.1	0.0	170.8
176	79.4	0.0	162.0

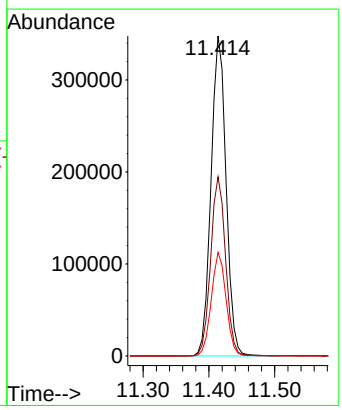


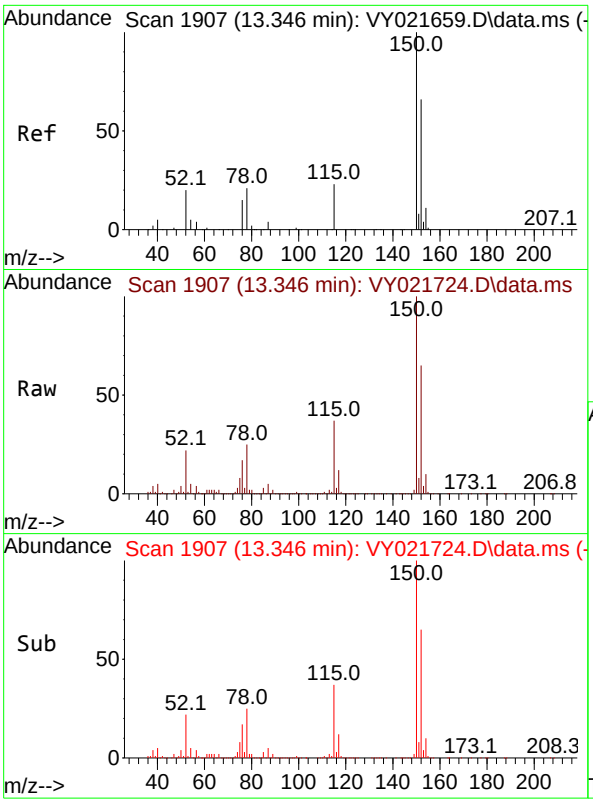


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Tgt Ion:117 Resp: 553448

Ion	Ratio	Lower	Upper
117	100		
82	56.0	42.8	64.2
119	32.4	25.7	38.5



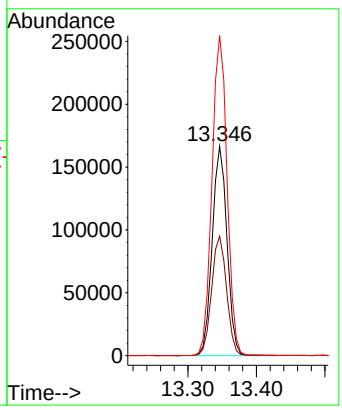


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021724.D
Acq: 31 Mar 2025 16:58

Instrument :
MSVOA_Y
ClientSampleId :
T4

Tgt Ion:152 Resp: 250658

Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.8	86.5
150	156.0	0.0	348.4



Sample Results: **VY021724.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021724.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.610	463	474	483	rBV2	26290	79582	4.20%	0.764%
2	4.708	483	490	501	rVB2	7624	25711	1.36%	0.247%
3	7.634	959	970	976	rBV2	277790	670365	35.39%	6.436%
4	7.707	976	982	1004	rVB	406239	917182	48.42%	8.806%
5	8.061	1030	1040	1051	rBV	231862	523861	27.66%	5.029%
6	8.244	1059	1070	1079	rVB3	11769	32464	1.71%	0.312%
7	8.609	1121	1130	1144	rBV	680191	1356695	71.63%	13.025%
8	9.542	1277	1283	1293	rVB2	13109	27723	1.46%	0.266%
9	9.670	1296	1304	1311	rBV2	23563	48186	2.54%	0.463%
10	10.103	1367	1375	1384	rBV	1121330	1894123	100.00%	18.185%
11	11.414	1583	1590	1605	rBV	1087186	1730856	91.38%	16.618%
12	11.627	1617	1625	1630	rBV9	7960	22359	1.18%	0.215%
13	12.407	1746	1753	1762	rBV	840129	1369661	72.31%	13.150%
14	13.346	1900	1907	1924	rBV	994000	1541084	81.36%	14.796%
15	13.883	1989	1995	2003	rVB2	104458	175949	9.29%	1.689%

Sum of corrected areas: 10415801

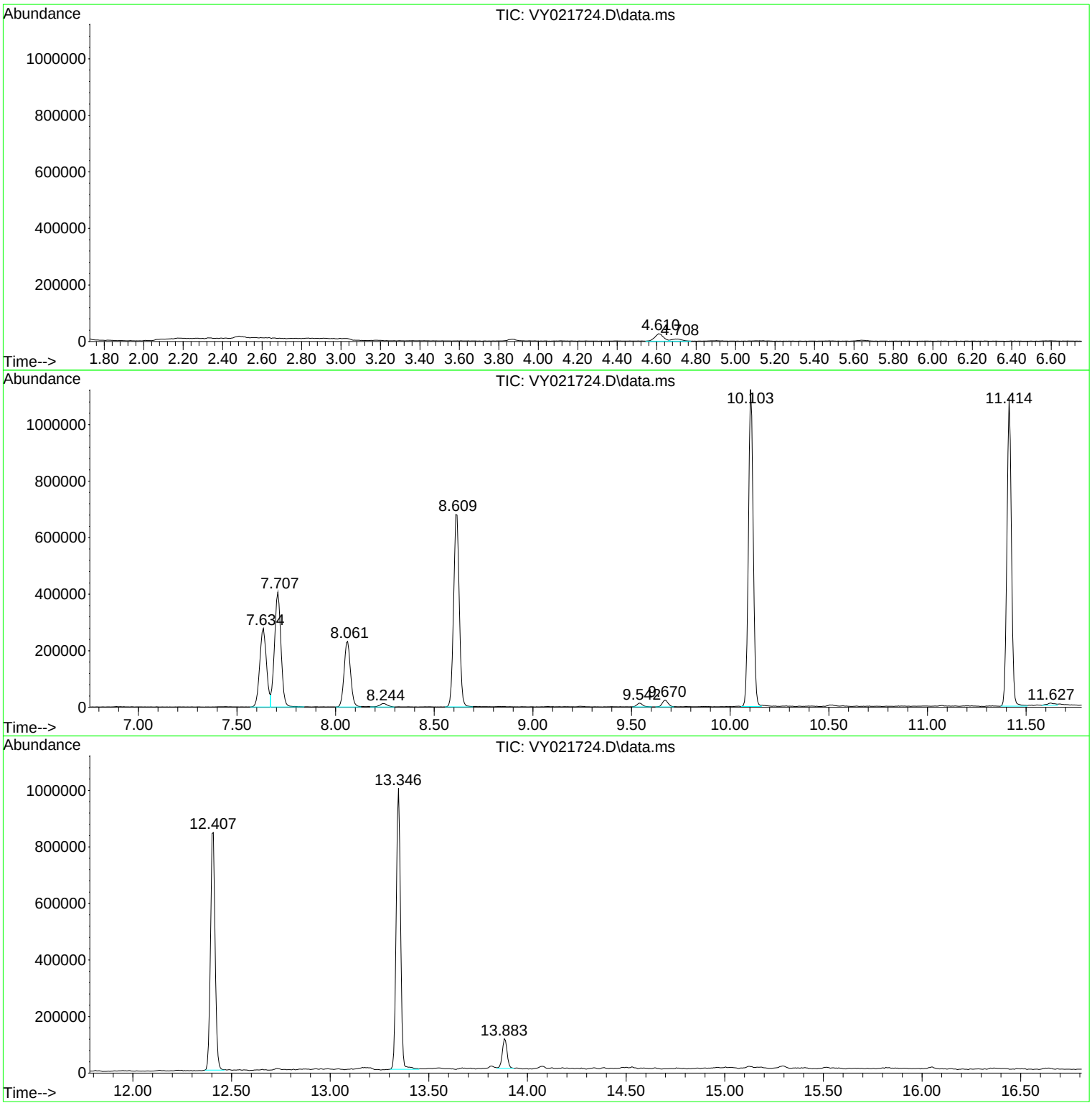
Sample Results: **VY021724.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY033125\
Data File : VY021724.D
Acq On : 31 Mar 2025 16:58
Operator : SY/MD
Sample : Q1675-10
Misc : 7.84g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Time: Apr 01 05:40:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

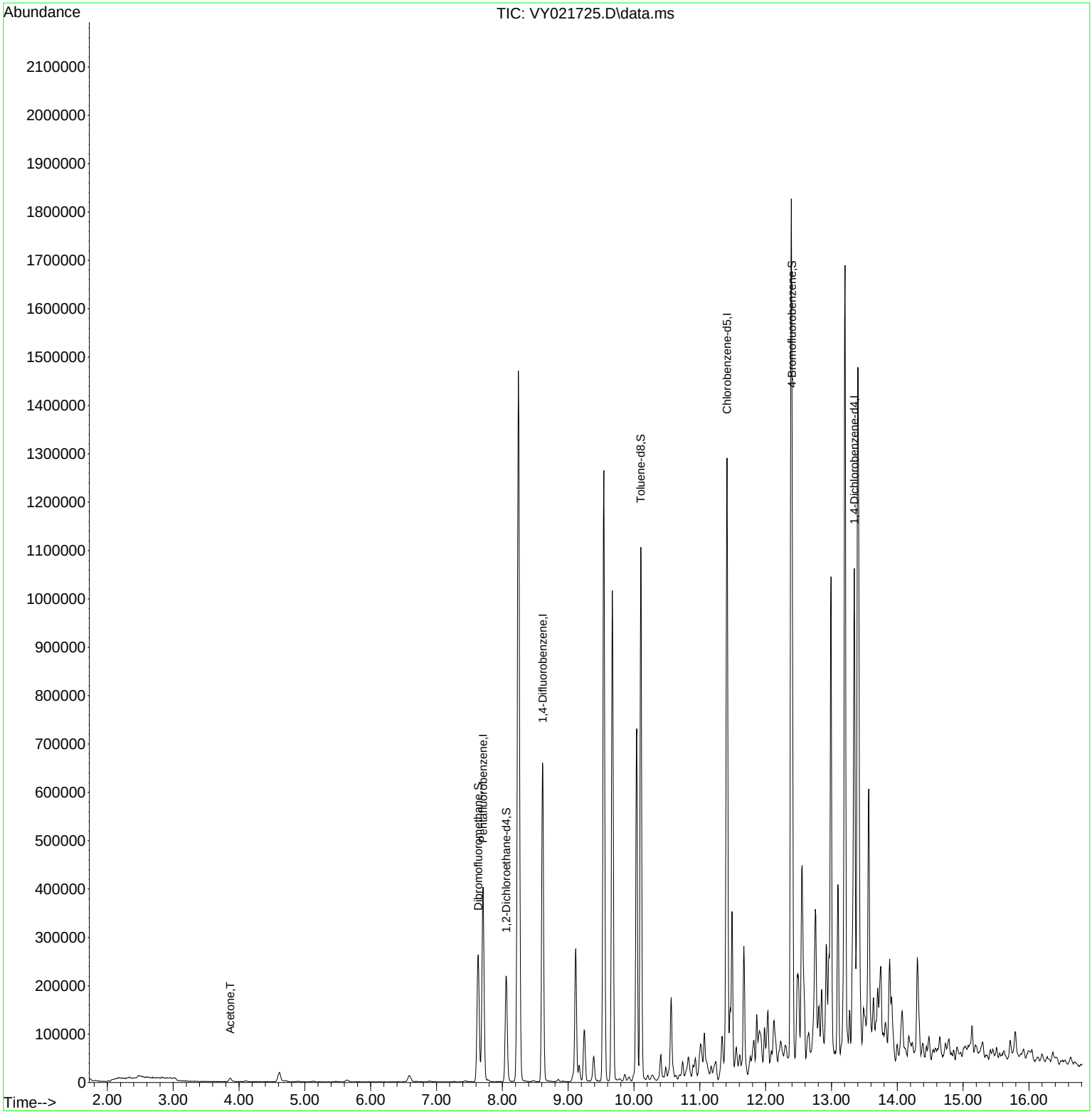
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	300228	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	564649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	539474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	244186	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174552	53.661	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.320%			
35) Dibromofluoromethane	7.634	113	184812	50.457	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.920%			
50) Toluene-d8	10.103	98	704549	50.562	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.120%			
62) 4-Bromofluorobenzene	12.401	95	257657	54.667	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.340%			
Target Compounds						Qvalue
16) Acetone	3.866	43	12838	19.284	ug/l	98

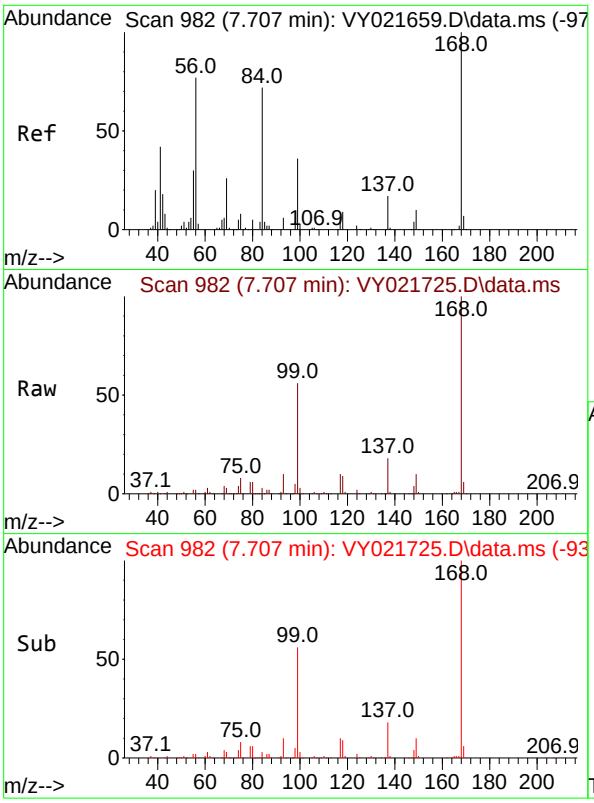
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Time: Apr 01 05:40:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



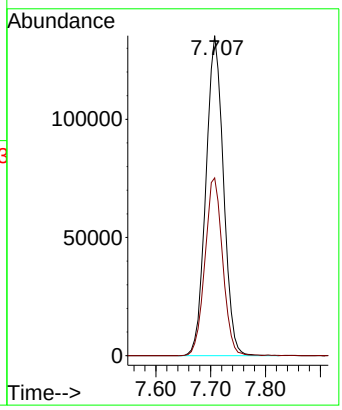


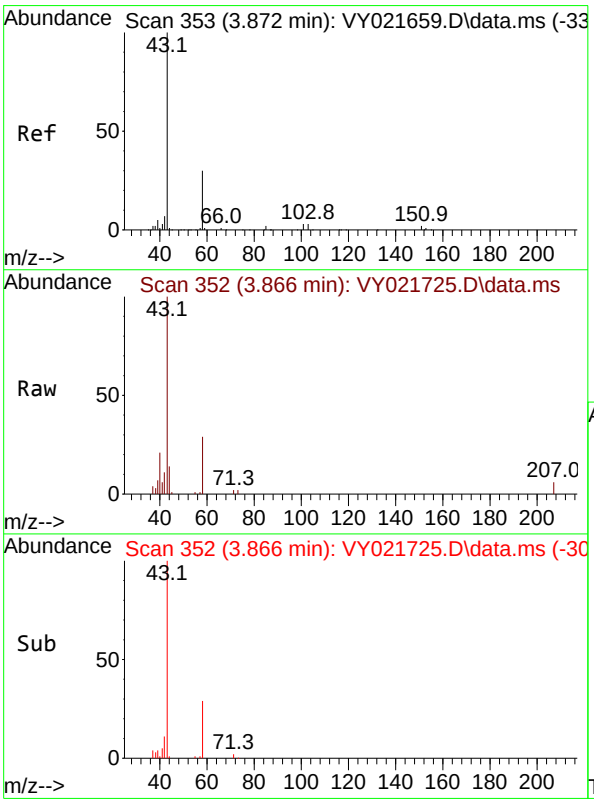
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
T5

Tgt Ion:168 Resp: 300228

Ion	Ratio	Lower	Upper
168	100		
99	55.5	46.7	70.1

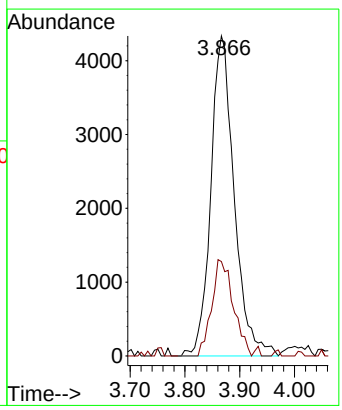


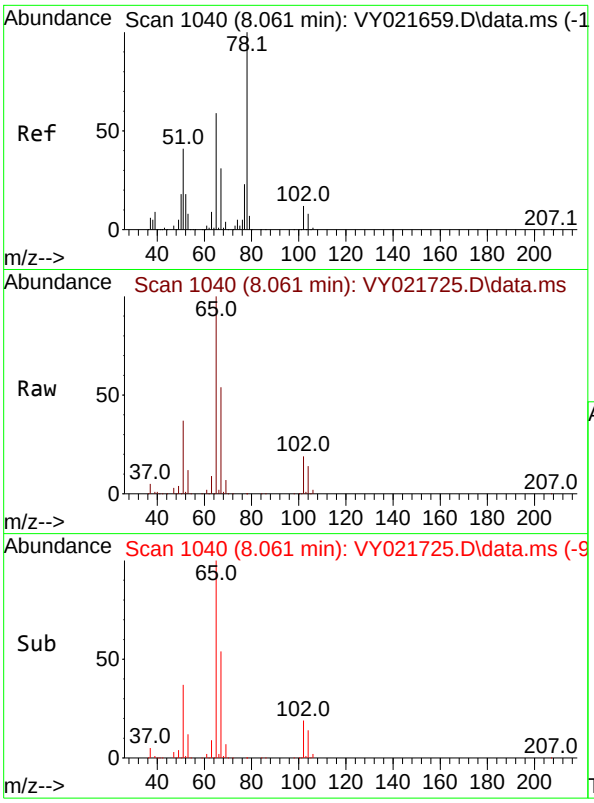


#16
Acetone
Concen: 19.284 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion: 43 Resp: 12838

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.2	36.4



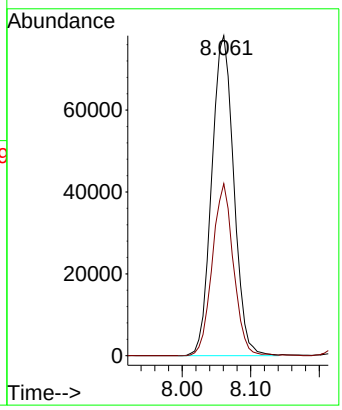


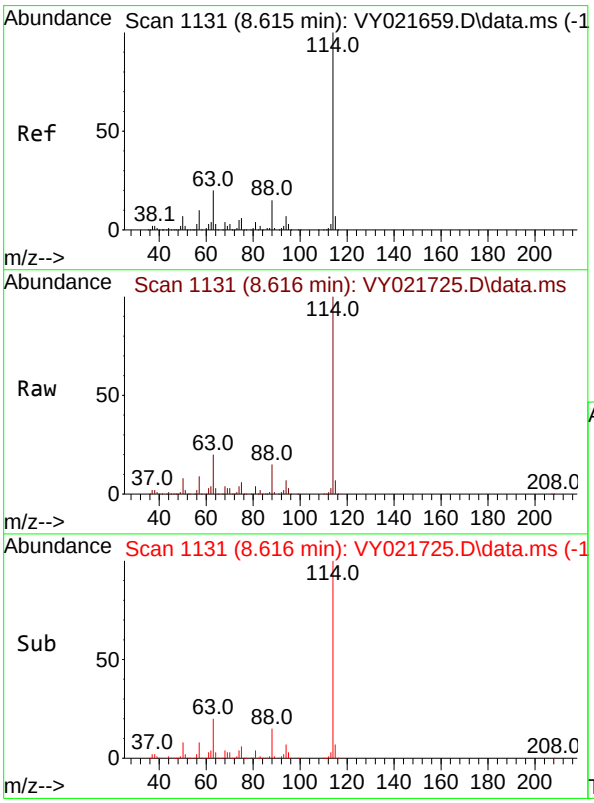
#33
1,2-Dichloroethane-d4
Concen: 53.661 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
T5

Tgt Ion: 65 Resp: 174552

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.6

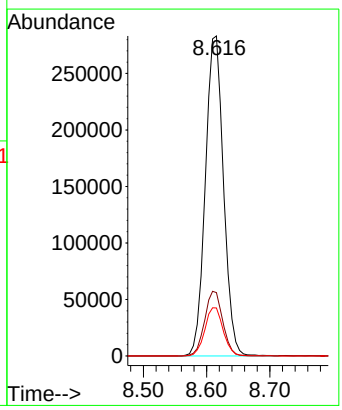


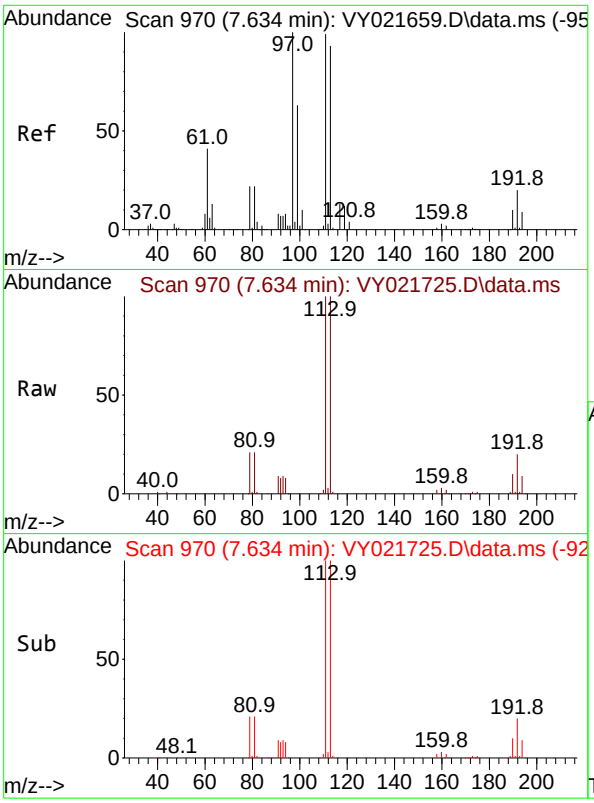


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion:114 Resp: 564649

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.2
88	15.0	0.0	29.8



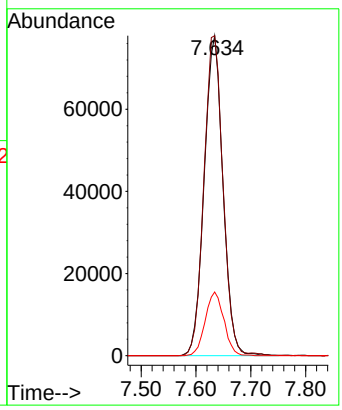


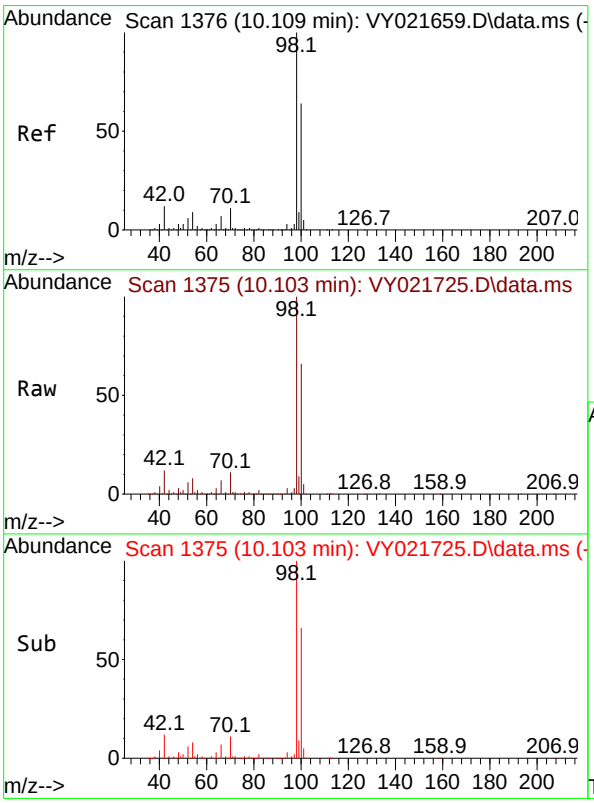
#35
Dibromofluoromethane
Concen: 50.457 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
T5

Tgt Ion:113 Resp: 184812

Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	19.8	16.2	24.4

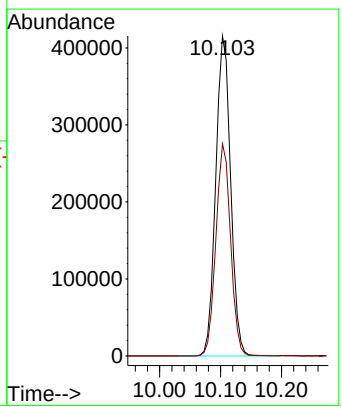


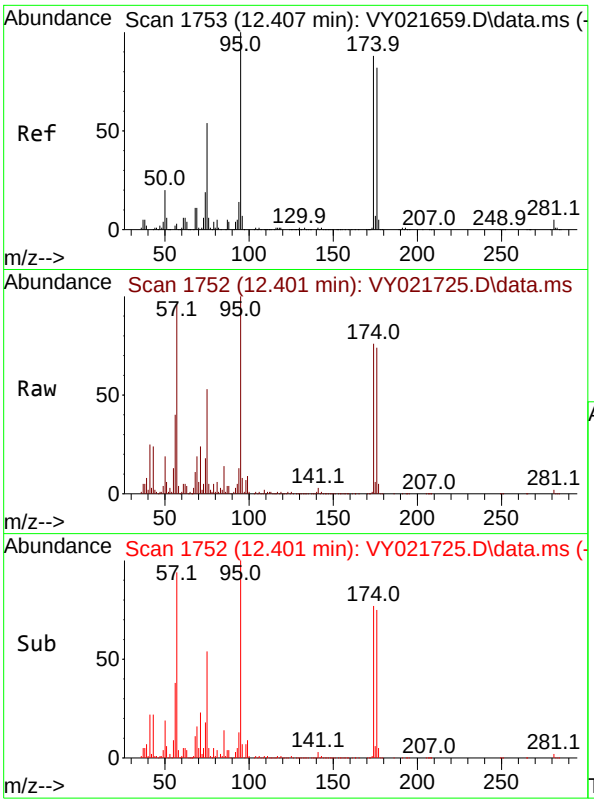


#50
Toluene-d8
Concen: 50.562 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion: 98 Resp: 704549

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1



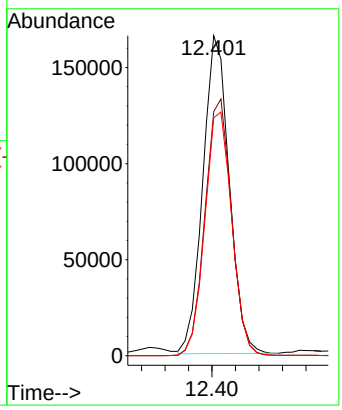


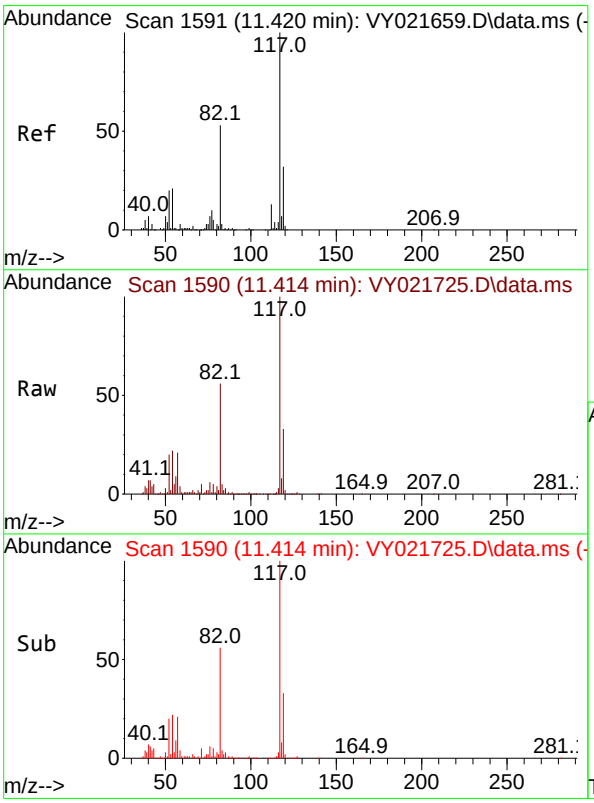
#62
4-Bromofluorobenzene
Concen: 54.667 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
T5

Tgt Ion: 95 Resp: 257657

Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	170.8
176	78.5	0.0	162.0

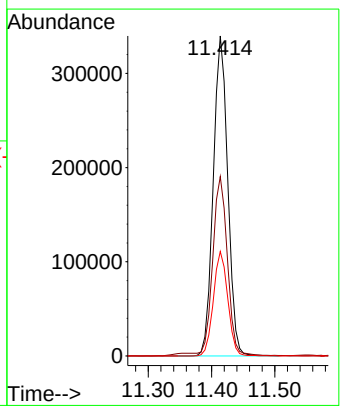


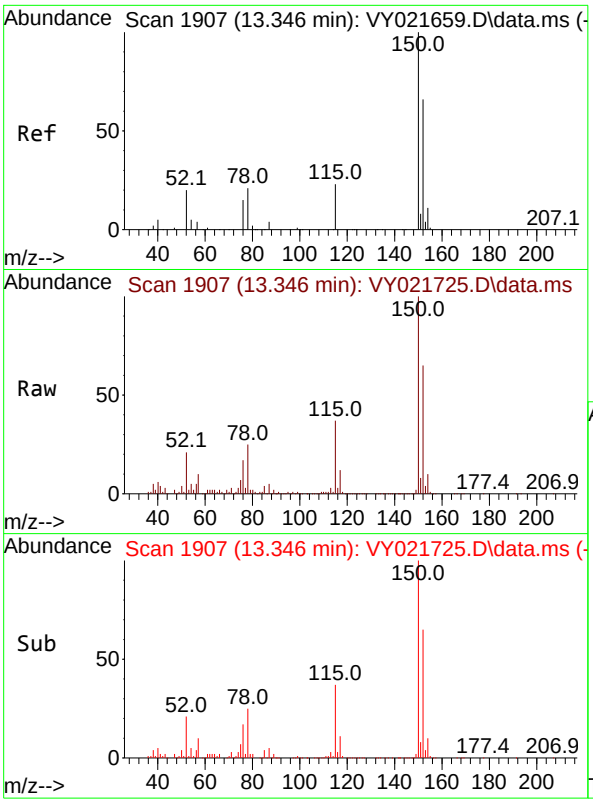


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Tgt Ion:117 Resp: 539474

Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.8	64.2
119	32.6	25.7	38.5



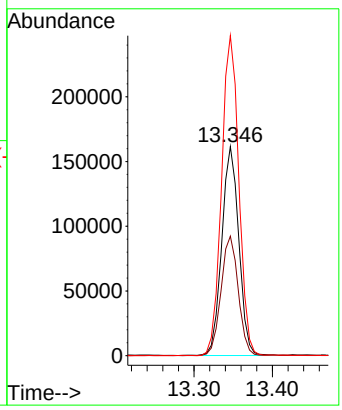


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021725.D
Acq: 31 Mar 2025 17:22

Instrument :
MSVOA_Y
ClientSampleId :
T5

Tgt Ion:152 Resp: 244186

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.8	86.5
150	155.6	0.0	348.4



Sample Results: **VY021725.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021725.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	484	rBV3	19616	61878	1.70%	0.151%
2	6.592	786	799	810	rBV3	12840	44150	1.21%	0.108%
3	7.634	959	970	976	rBV	262881	632294	17.38%	1.540%
4	7.707	976	982	1003	rVB	402671	901625	24.78%	2.196%
5	8.055	1030	1039	1052	rBV	218499	496273	13.64%	1.209%
6	8.244	1059	1070	1085	rBV	1469419	3420995	94.03%	8.332%
7	8.609	1122	1130	1142	rBV	659855	1322064	36.34%	3.220%
8	9.115	1199	1213	1219	rBV	275461	565494	15.54%	1.377%
9	9.164	1219	1221	1227	rVV3	32807	54054	1.49%	0.132%
10	9.243	1227	1234	1242	rVB	104982	217478	5.98%	0.530%
11	9.390	1249	1258	1266	rBV	50986	105946	2.91%	0.258%
12	9.542	1273	1283	1294	rBV	1262495	2372733	65.22%	5.779%
13	9.670	1295	1304	1317	rBV	1013920	1994901	54.83%	4.859%
14	10.042	1352	1365	1370	rBV	728616	1307802	35.95%	3.185%
15	10.103	1370	1375	1388	rVB	1101077	1877965	51.62%	4.574%
16	10.408	1415	1425	1429	rBV	52370	101981	2.80%	0.248%
17	10.481	1433	1437	1441	rVV3	22194	36397	1.00%	0.089%
18	10.566	1441	1451	1460	rVB	164352	328728	9.04%	0.801%
19	10.737	1474	1479	1484	rVB2	29601	46957	1.29%	0.114%
20	10.829	1484	1494	1501	rVB5	40101	107251	2.95%	0.261%
21	10.932	1507	1511	1516	rVB2	36328	62522	1.72%	0.152%
22	11.011	1516	1524	1530	rBV4	65456	195721	5.38%	0.477%
23	11.066	1530	1533	1546	rVB4	84126	192337	5.29%	0.468%
24	11.243	1554	1562	1568	rVB5	37532	112519	3.09%	0.274%
25	11.341	1568	1578	1582	rBV3	89458	217175	5.97%	0.529%
26	11.414	1582	1590	1595	rBV2	1249937	2279819	62.66%	5.553%
27	11.463	1595	1598	1599	rVV2	53142	61980	1.70%	0.151%
28	11.487	1599	1602	1608	rVB	320167	490538	13.48%	1.195%
29	11.554	1608	1613	1618	rBV3	38954	65699	1.81%	0.160%
30	11.670	1626	1632	1642	rVB	265030	478122	13.14%	1.165%
31	11.767	1642	1648	1650	rBV4	37570	71023	1.95%	0.173%
32	11.822	1651	1657	1660	rVB5	41408	73432	2.02%	0.179%
33	11.865	1660	1664	1667	rBV2	94767	140514	3.86%	0.342%
34	11.908	1667	1671	1679	rVB5	64147	187974	5.17%	0.458%
35	11.981	1679	1683	1686	rBV	70117	101069	2.78%	0.246%
36	12.036	1686	1692	1696	rVB	107375	205478	5.65%	0.500%

Sample Results: **VY021725.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

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\82Y032725S.M
Title : SW846 8260

37	12.127	1702	1707	1716	rVB4	83888	212244	5.83%	0.517%
38	12.231	1716	1724	1731	rBV7	42052	128188	3.52%	0.312%
39	12.298	1731	1735	1741	rVB6	26539	57114	1.57%	0.139%
40	12.389	1743	1750	1759	rVB2	1776558	3638225	100.00%	8.861%
41	12.481	1759	1765	1766	rBV	170627	233841	6.43%	0.570%
42	12.554	1772	1777	1786	rVB	398767	973238	26.75%	2.370%
43	12.651	1786	1793	1798	rBV6	53415	137227	3.77%	0.334%
44	12.755	1800	1810	1815	rVV3	294057	695274	19.11%	1.693%
45	12.810	1816	1819	1822	rVV	85032	122424	3.36%	0.298%
46	12.853	1822	1826	1832	rVV	115229	190385	5.23%	0.464%
47	12.920	1832	1837	1841	rVV2	205105	367373	10.10%	0.895%
48	12.962	1841	1844	1845	rVV	177243	230318	6.33%	0.561%
49	12.993	1845	1849	1858	rVB	985953	1475045	40.54%	3.593%
50	13.096	1861	1866	1872	rVB	349854	556116	15.29%	1.354%
51	13.206	1872	1884	1892	rBV	1630110	2768952	76.11%	6.744%
52	13.273	1892	1895	1898	rBV	69164	78551	2.16%	0.191%
53	13.346	1898	1907	1911	rBV2	982015	1914620	52.63%	4.663%
54	13.401	1911	1916	1926	rVB	1398344	3020483	83.02%	7.357%
55	13.487	1926	1930	1936	rBV3	73401	179468	4.93%	0.437%
56	13.566	1937	1943	1950	rVB	501749	840717	23.11%	2.048%
57	13.639	1951	1955	1959	rBV	68715	97557	2.68%	0.238%
58	13.700	1962	1965	1968	rBV2	68947	93046	2.56%	0.227%
59	13.749	1968	1973	1978	rVB2	141543	275741	7.58%	0.672%
60	13.816	1981	1984	1990	rVB3	41830	76976	2.12%	0.187%
61	13.883	1990	1995	1998	rBV2	173342	305622	8.40%	0.744%
62	13.999	2010	2014	2018	rBV5	32779	55088	1.51%	0.134%
63	14.072	2019	2026	2039	rVB5	93394	264705	7.28%	0.645%
64	14.176	2039	2043	2049	rBV7	41711	103417	2.84%	0.252%
65	14.304	2059	2064	2073	rVB3	203054	455348	12.52%	1.109%
66	14.383	2074	2077	2083	rVB6	28646	49375	1.36%	0.120%
67	14.480	2089	2093	2099	rVB3	46843	89183	2.45%	0.217%
68	14.547	2099	2104	2106	rBV5	20929	40099	1.10%	0.098%
69	14.645	2117	2120	2127	rVB5	40771	73833	2.03%	0.180%
70	14.907	2159	2163	2169	rBV8	26364	65119	1.79%	0.159%
71	15.133	2197	2200	2205	rVB2	54098	84904	2.33%	0.207%
72	15.712	2291	2295	2300	rBV3	34583	66382	1.82%	0.162%
73	15.791	2304	2308	2318	rVB2	51004	108421	2.98%	0.264%

Sum of corrected areas: 41057507

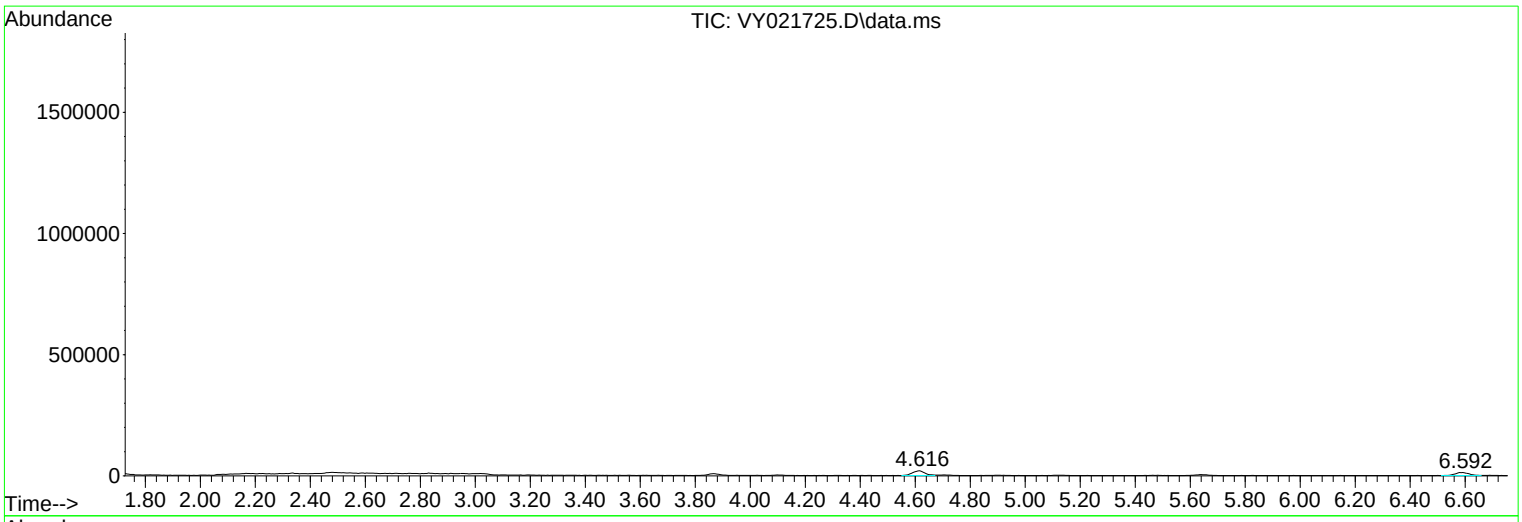
Sample Results: **VY021725.D**

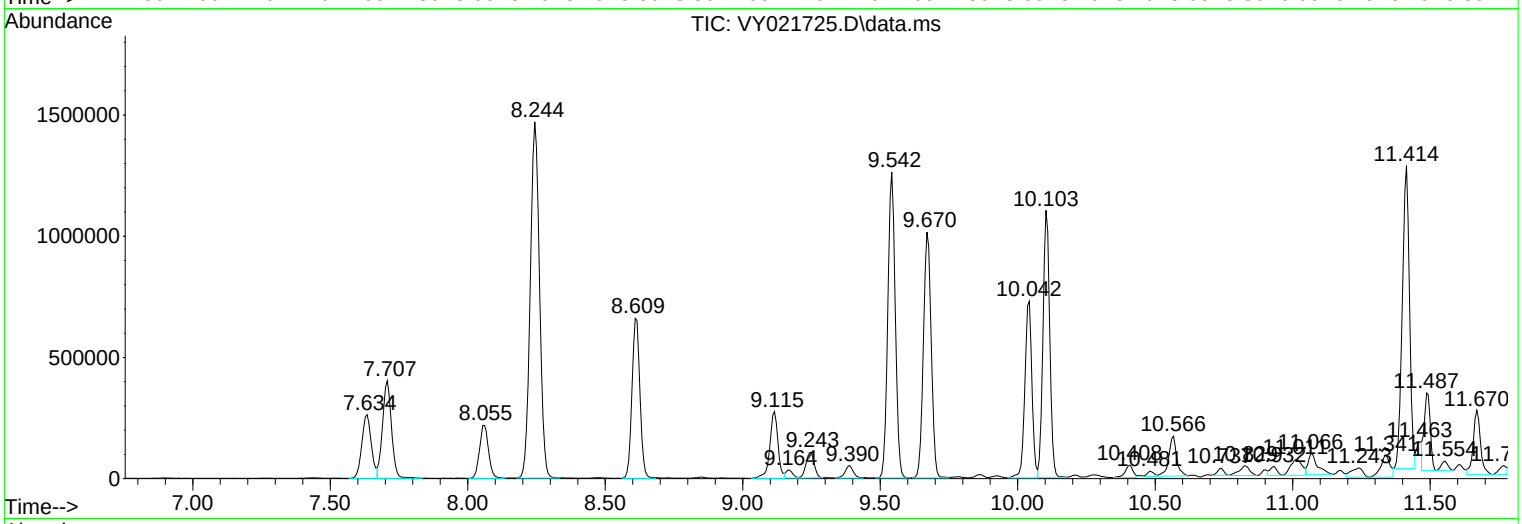
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

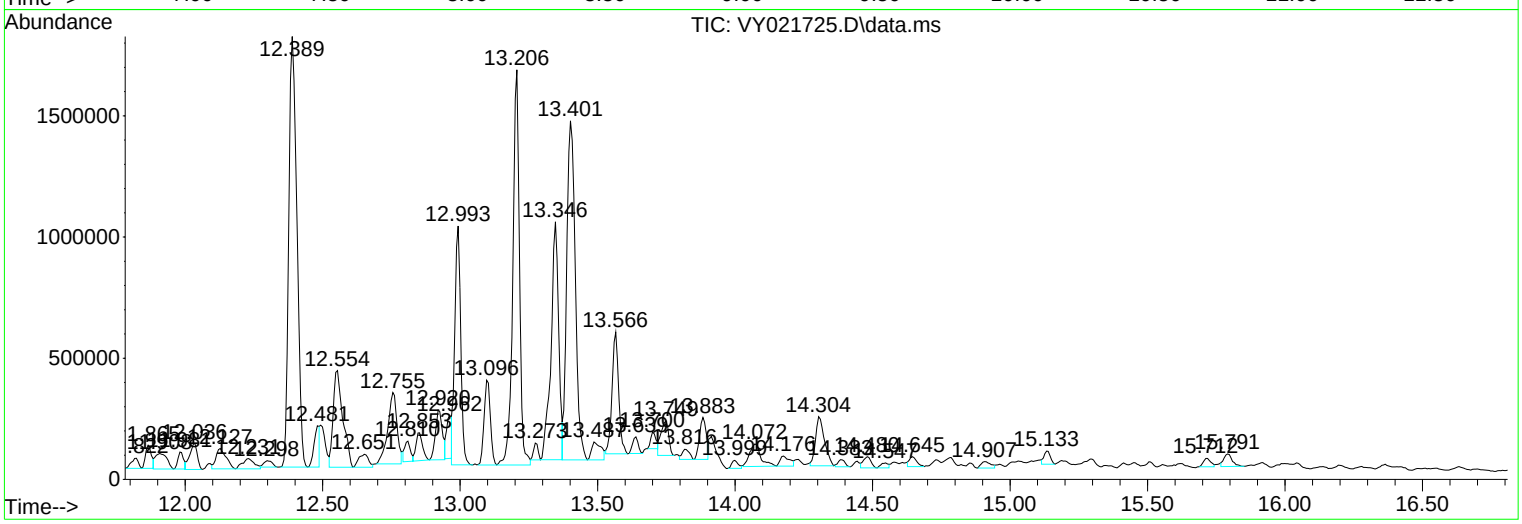
Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

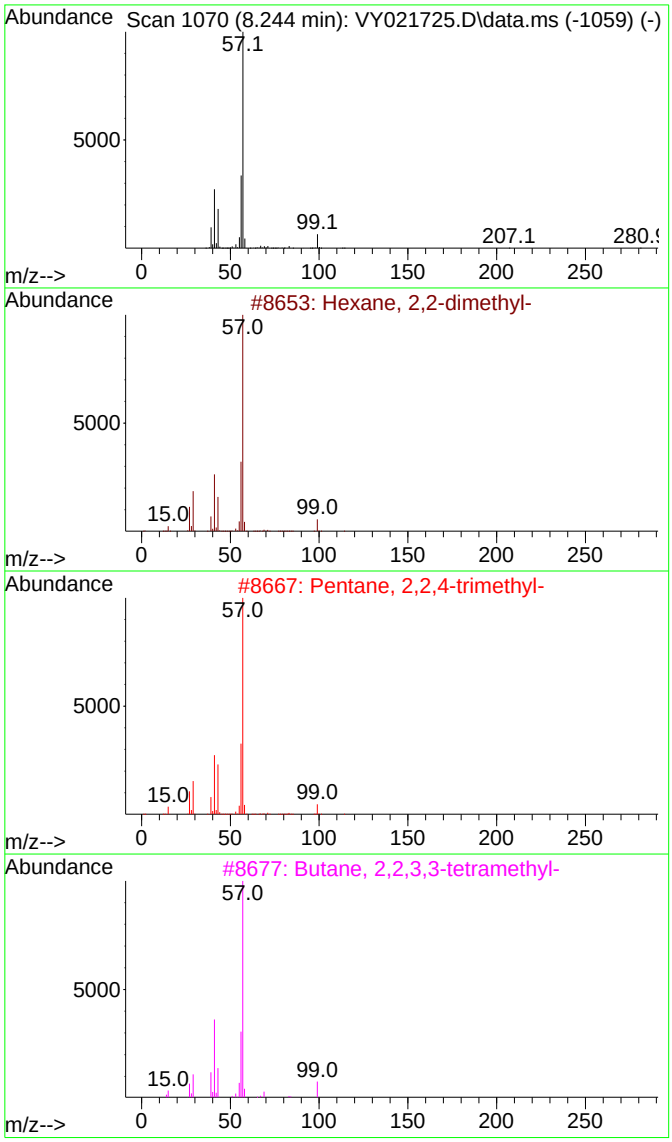
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

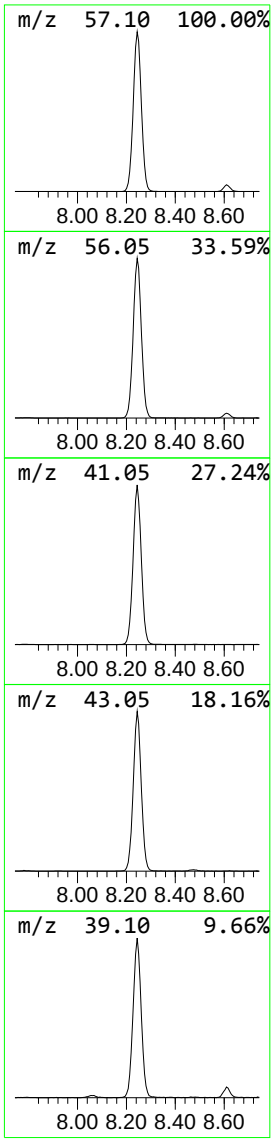
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.244	129.38 ug/l	3421000	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	72
5	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

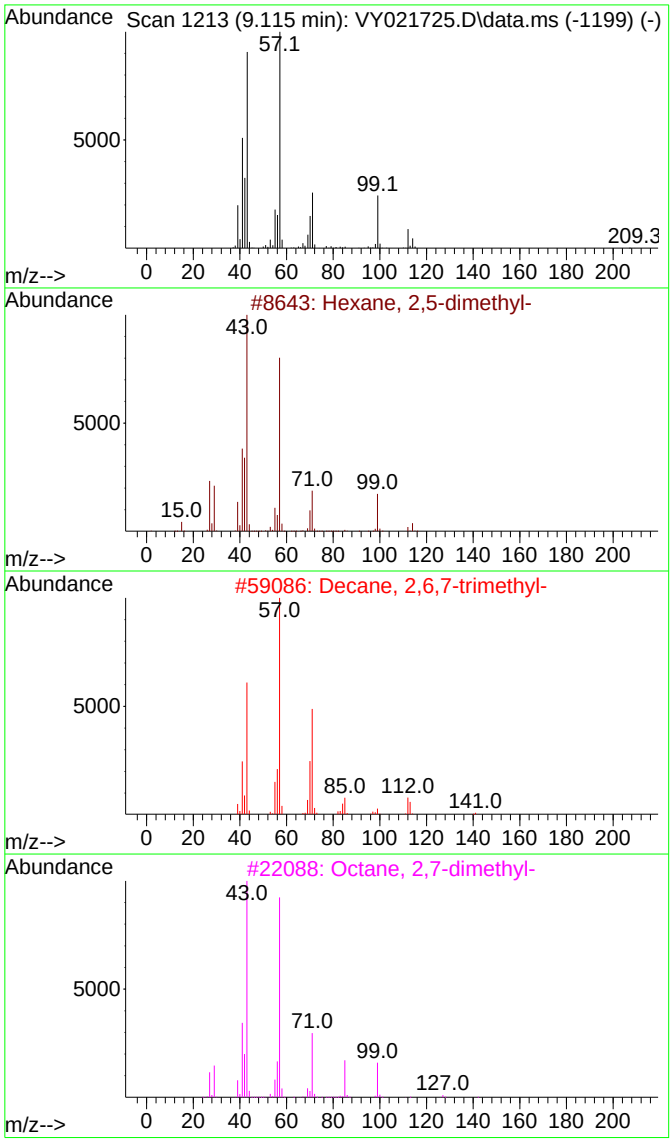
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

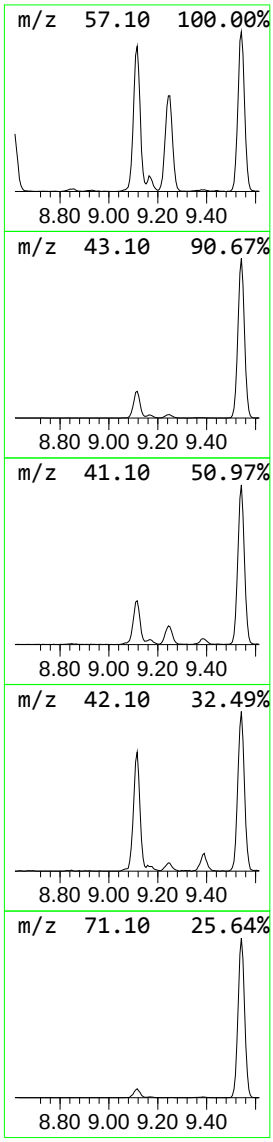
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexane, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.115	21.39 ug/l	565494	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	91
2	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53
3	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	53
4	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	53
5	2-Isopropyl-4H-oxazol-5-one	127	C6H9NO2	1000190-01-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

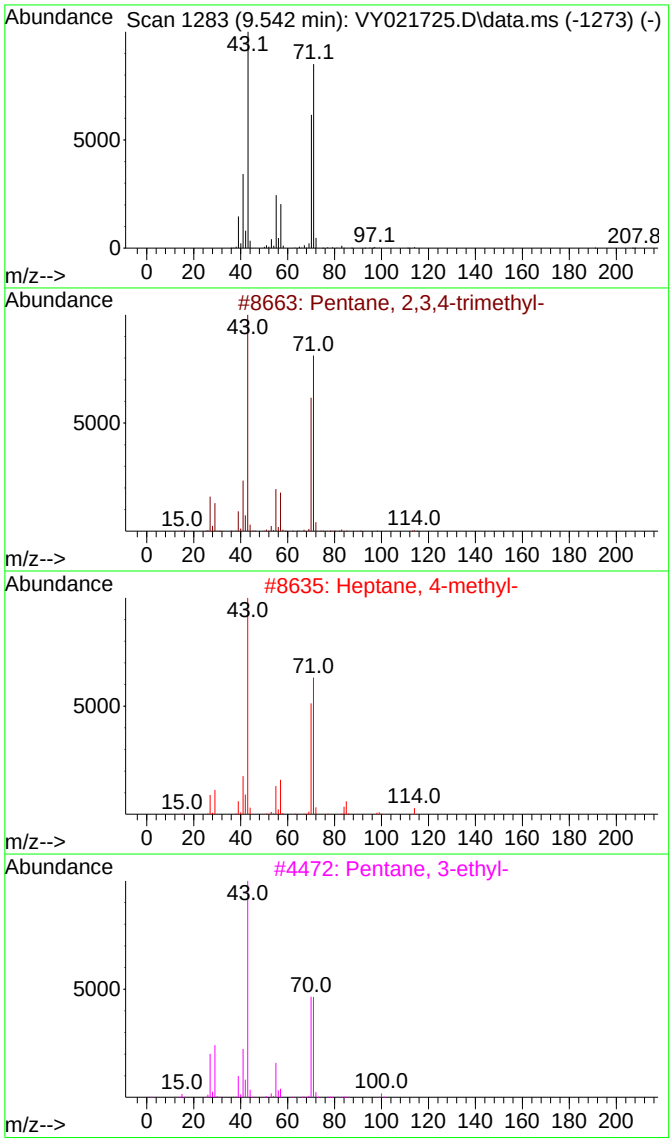
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

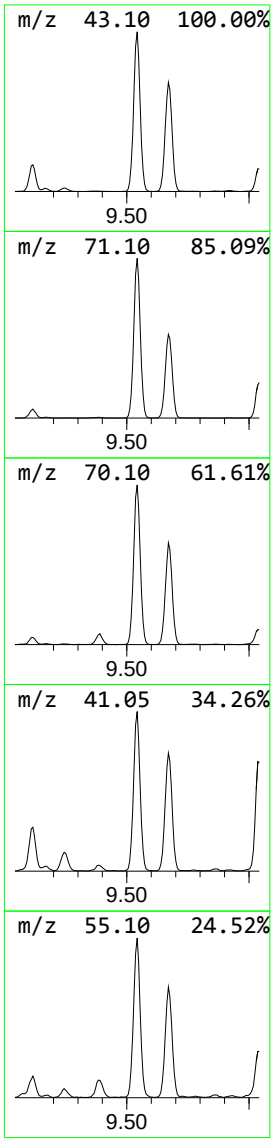
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,3,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	89.74 ug/l	2372730	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	78
5	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

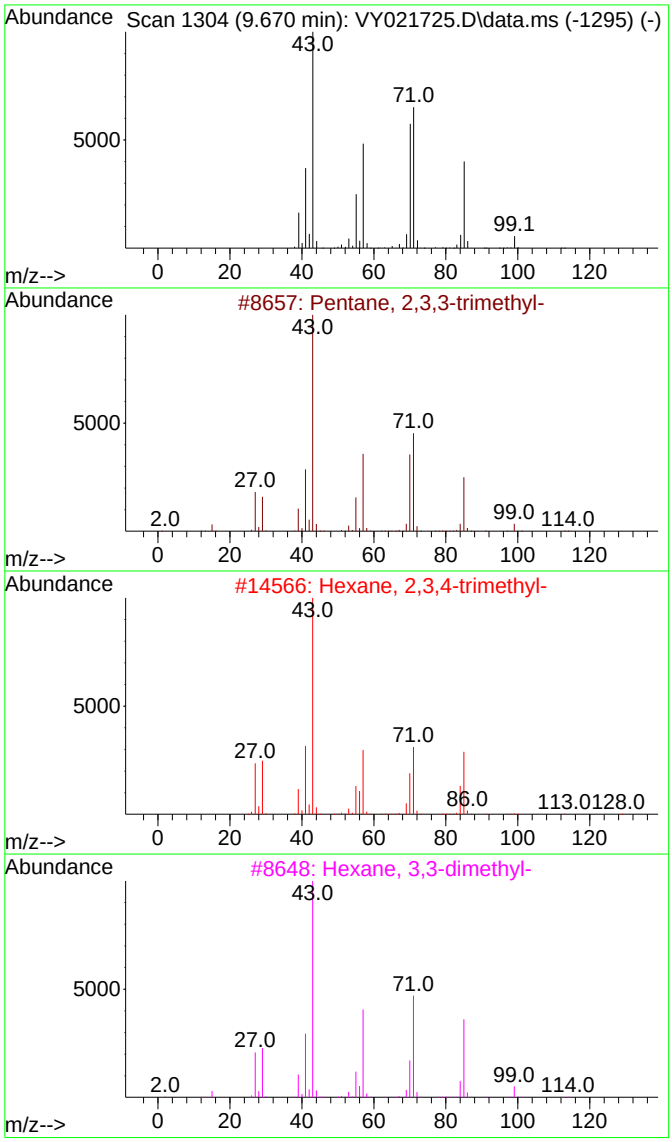
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

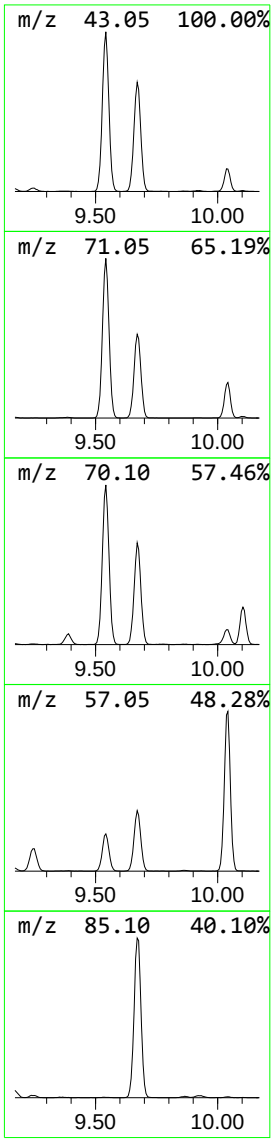
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Pentane, 2,3,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.670	75.45 ug/l	1994900	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

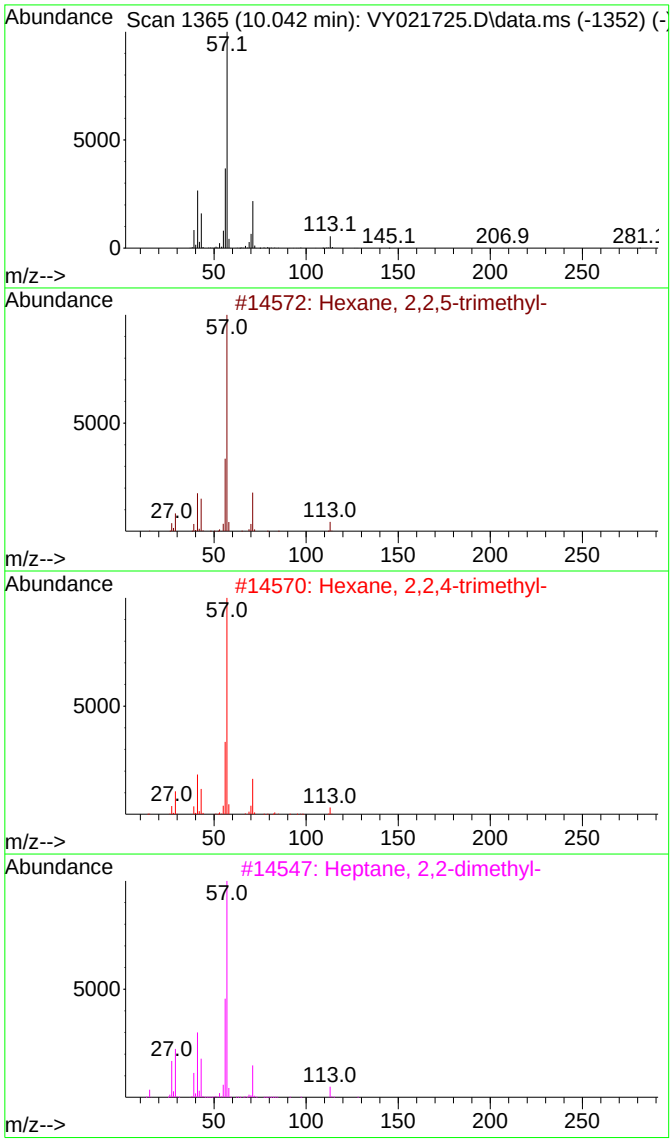
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

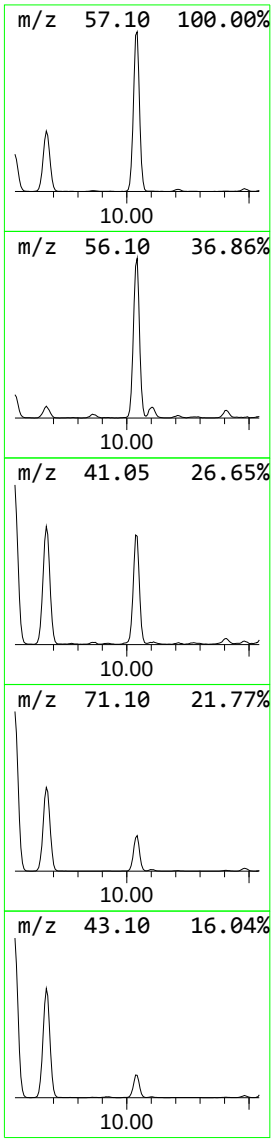
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Hexane, 2,2,5-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.042	28.68 ug/l	1307800	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	83
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	83
3	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	78
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	72
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

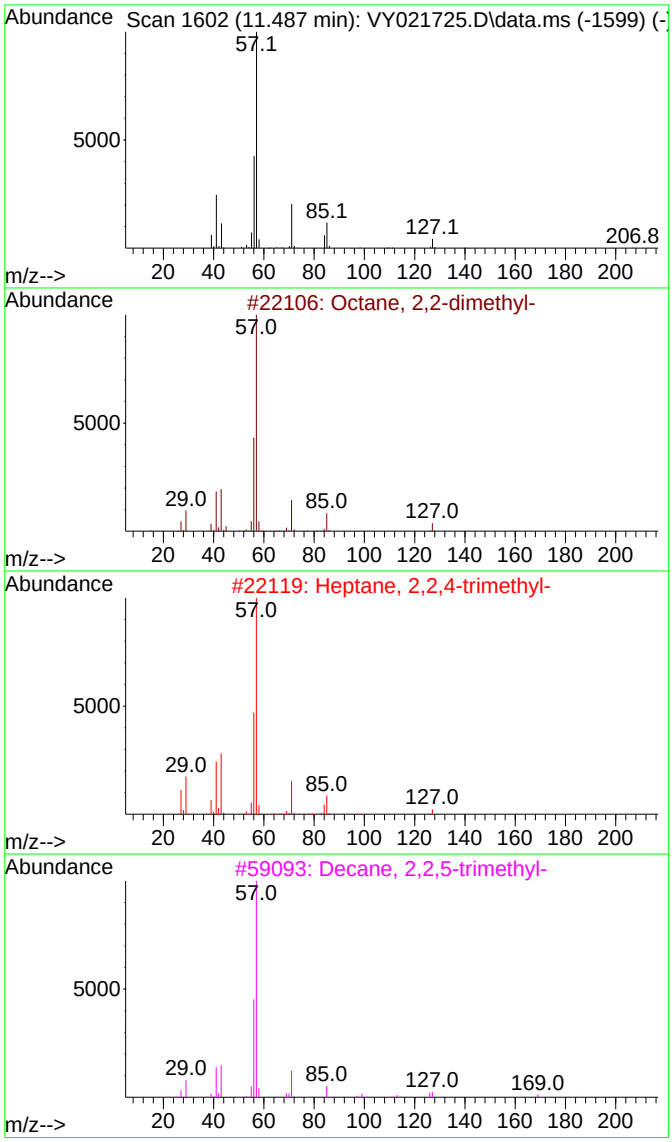
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

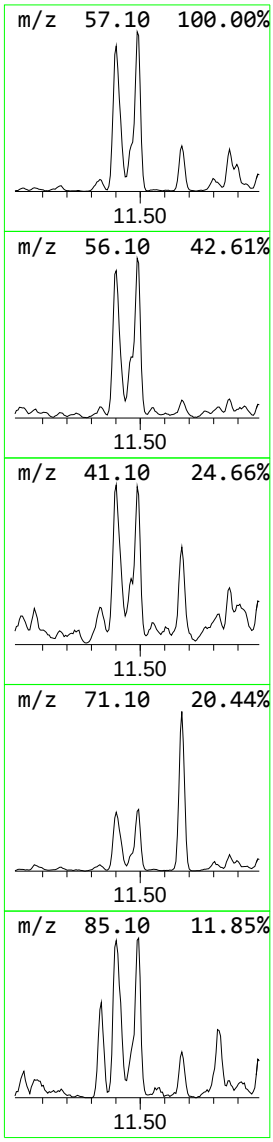
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Octane, 2,2-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.487	10.76 ug/l	490538	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	83
2	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	83
3	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	78
4	Octane, 2,2,6-trimethyl-	156	C11H24	062016-28-8	78
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

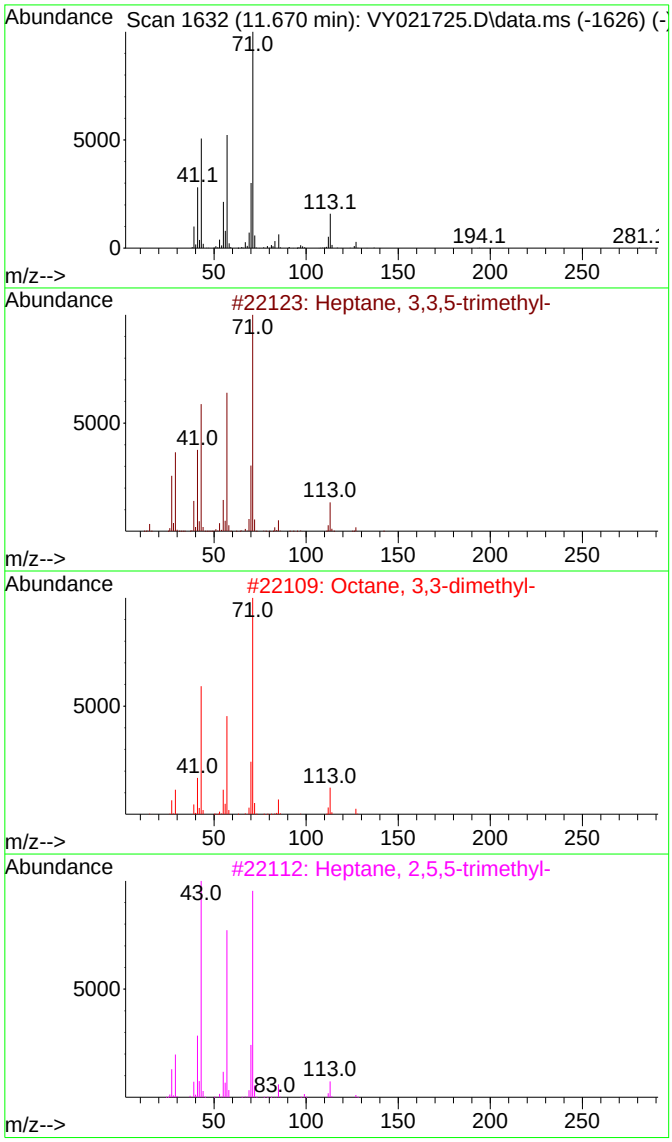
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

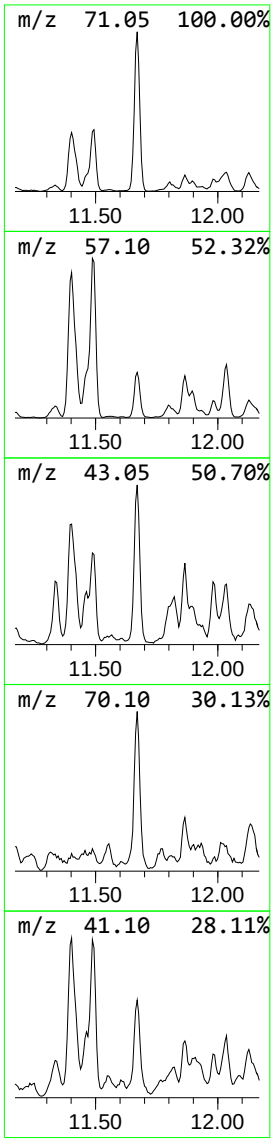
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Heptane, 3,3,5-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.670	10.49 ug/l	478122	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	90
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	83
3	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	78
4	Sulfurous acid, octyl 2-pentyl e...	264	C13H28O3S	1000309-15-7	78
5	1,1-Dimethylpropyl 2-ethylhexanoate	214	C13H26O2	1000099-99-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

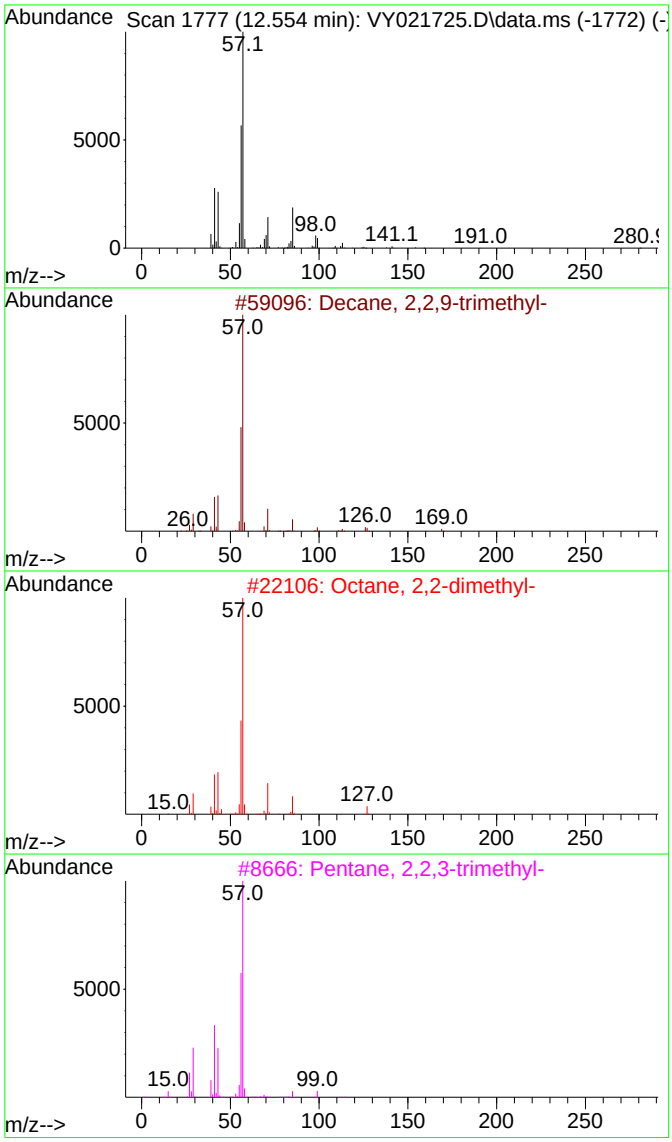
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

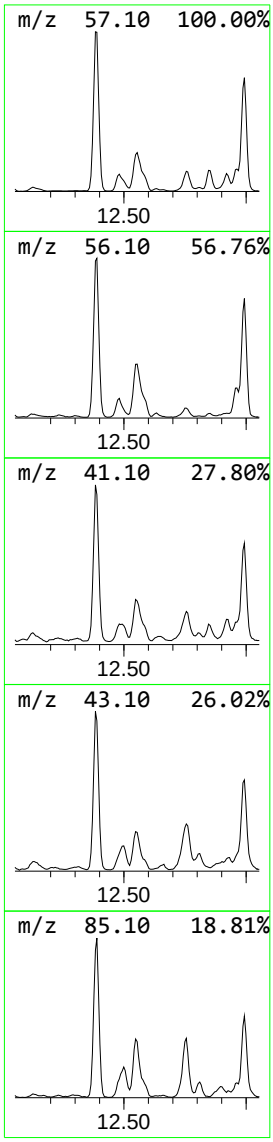
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Decane, 2,2,9-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.554	25.42 ug/l	973238	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,9-trimethyl-	184	C13H28	062238-00-0	72
2	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	59
3	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	53
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53
5	2,2,6,6-Tetramethylheptane	156	C11H24	040117-45-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

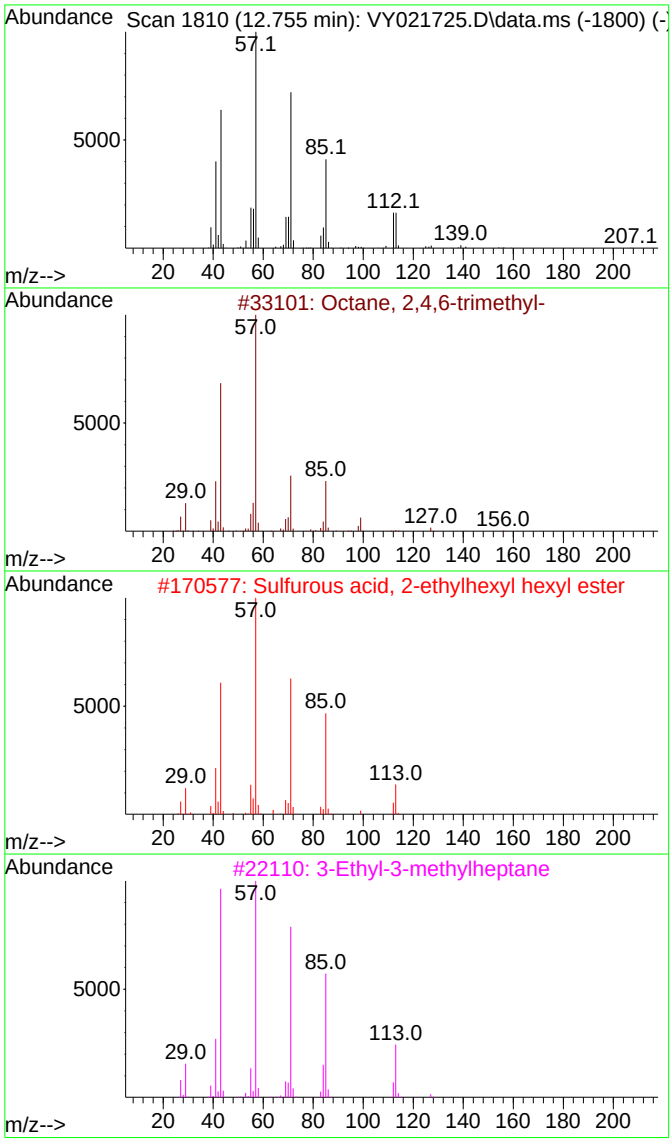
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

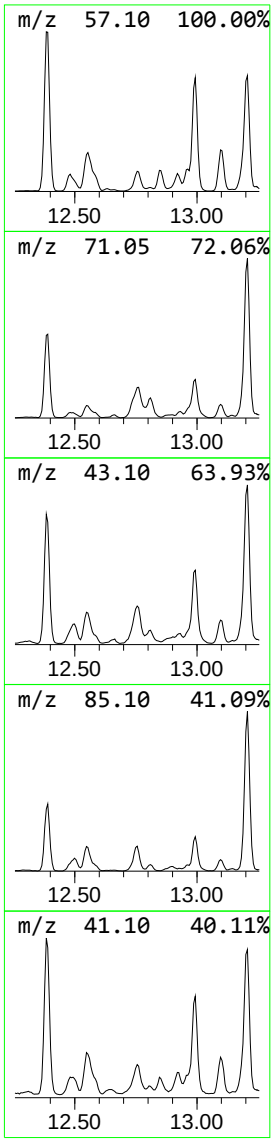
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Octane, 2,4,6-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.755	18.16 ug/l	695274	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	72
2	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
3	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	72
4	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	72
5	Tridecane	184	C13H28	000629-50-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

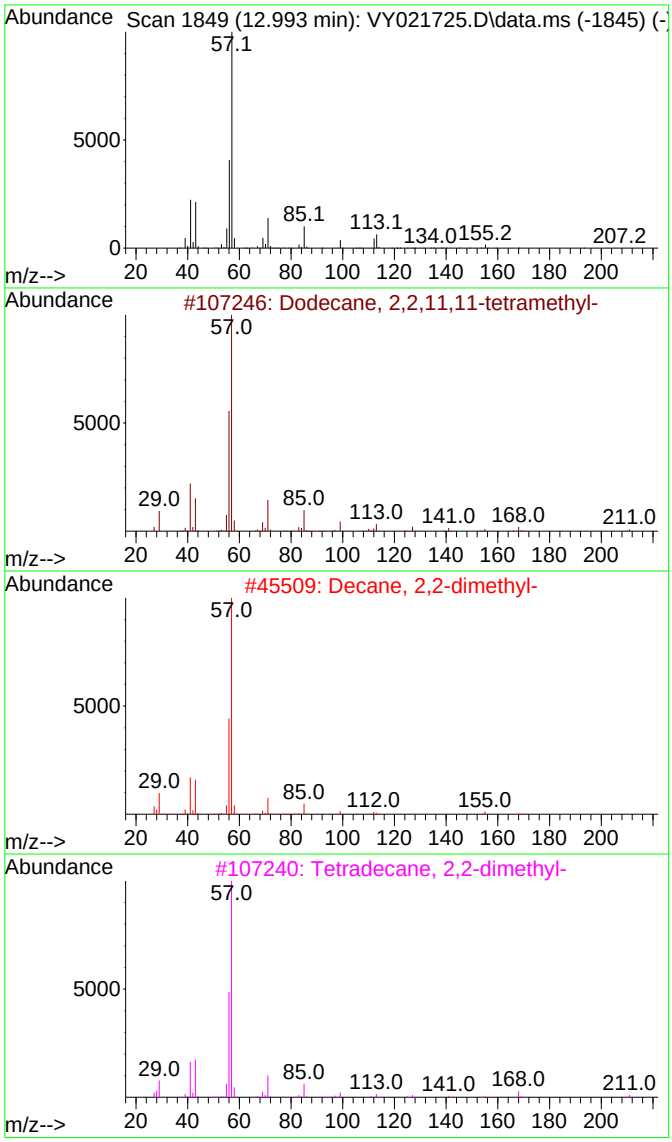
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

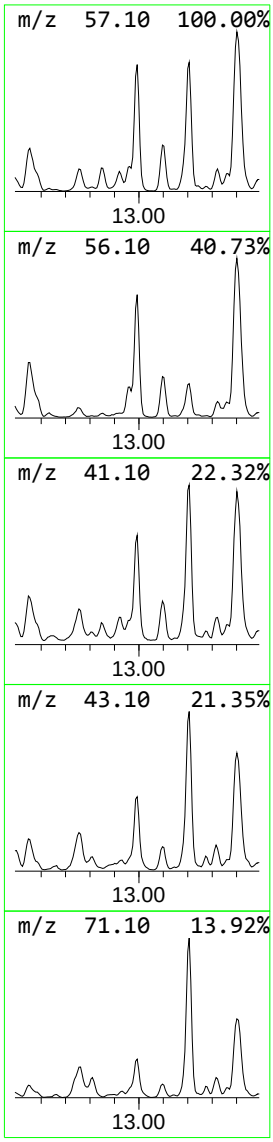
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Dodecane, 2,2,11,11-tetrame... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.993	38.52 ug/l	1475050	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	80
2	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	78
3	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
5	Undecane, 2,2-dimethyl-	184	C13H28	017312-64-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

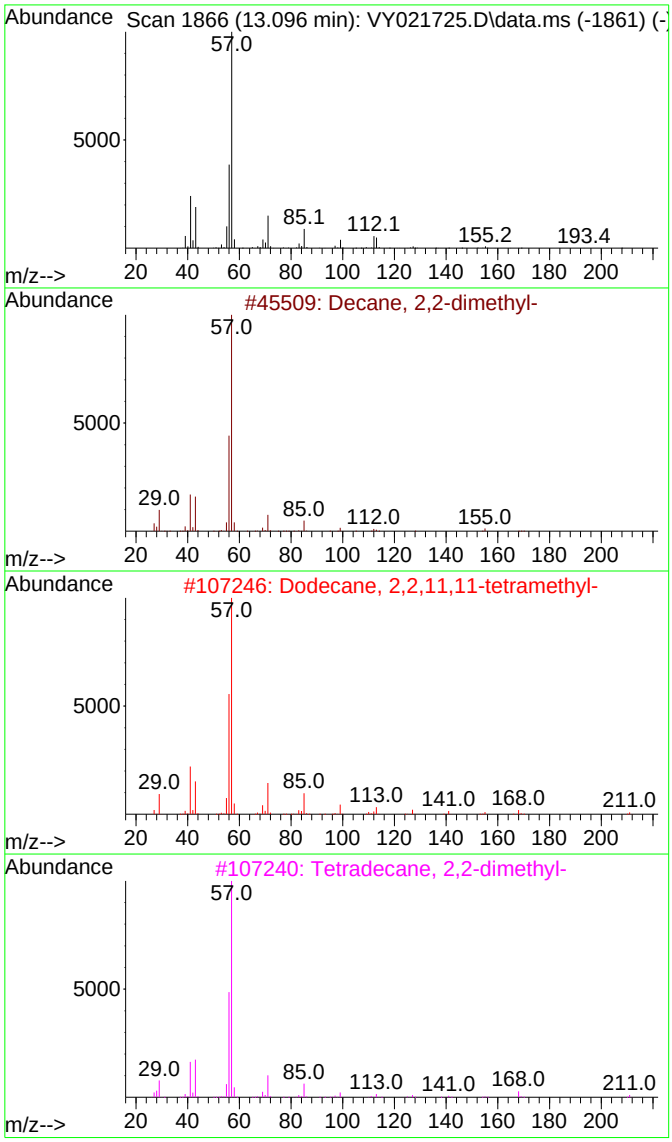
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

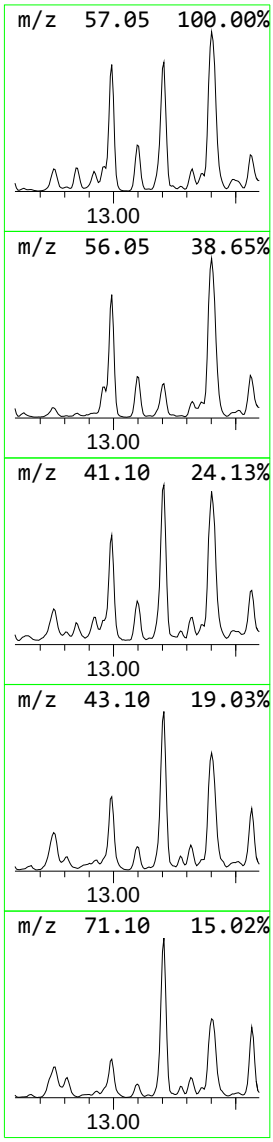
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Decane, 2,2-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.097	14.52 ug/l	556116	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2-dimethyl-	170	C12H26	017302-37-3	78
2	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	72
3	Tetradecane, 2,2-dimethyl-	226	C16H34	059222-86-5	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	72
5	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

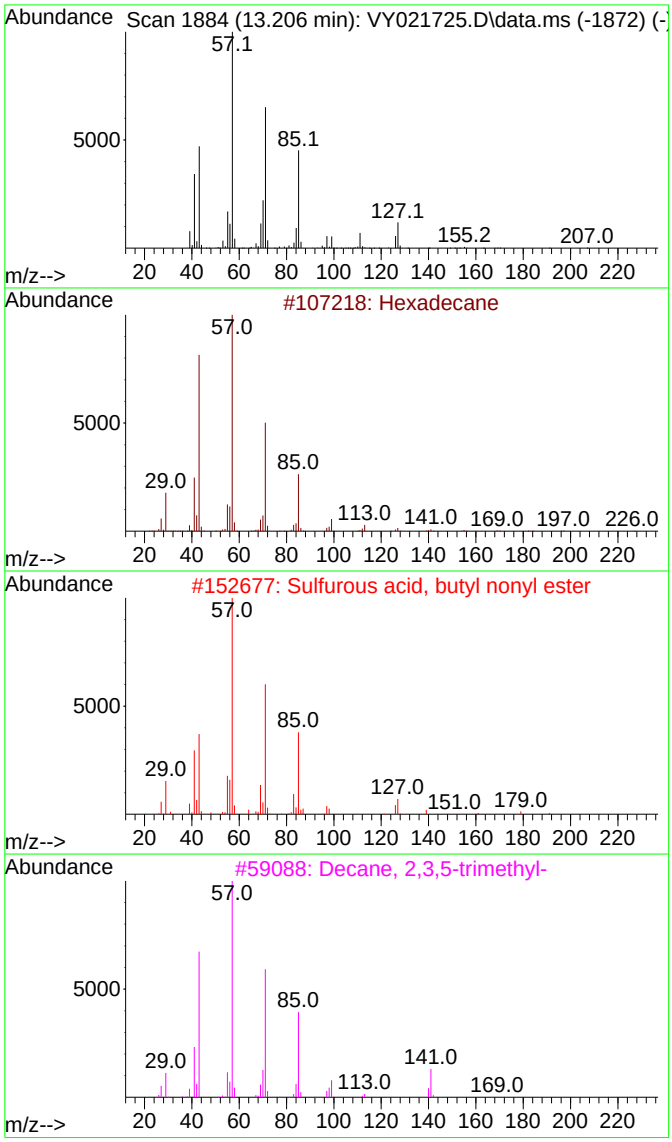
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

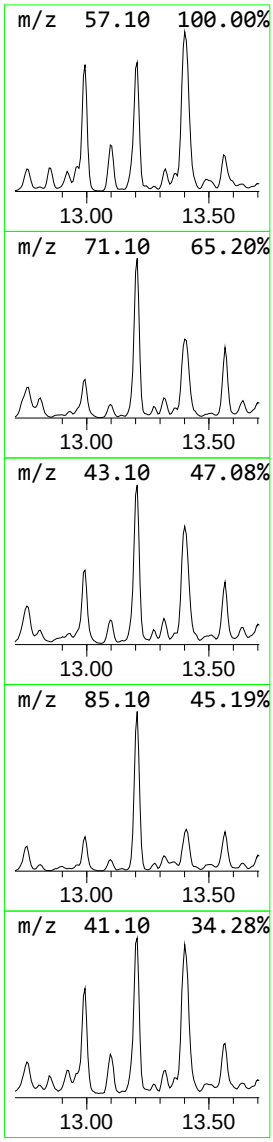
****

Peak Number 12 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.206	72.31 ug/l	2768950	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	64
2	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	64
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	59
4	Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1010309-34-1	59
5	Pentan-2-yl 2-methylbutanoate	172	C10H20O2	1000372-71-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

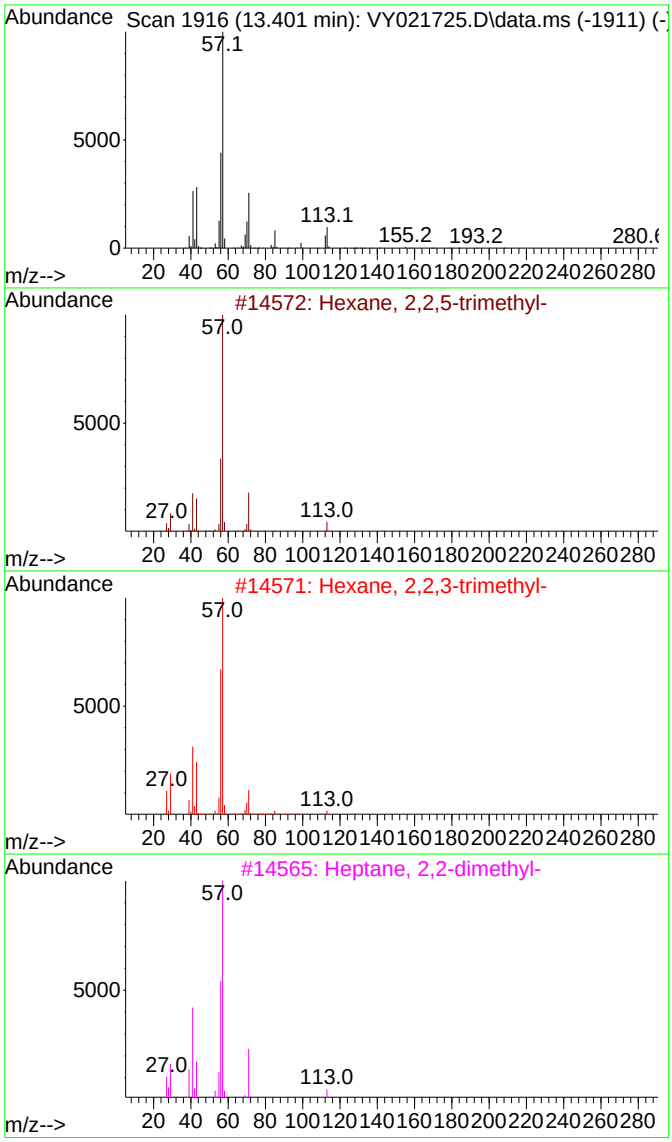
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

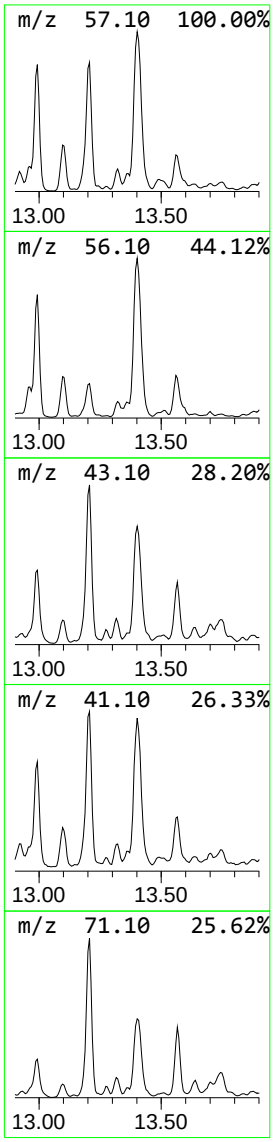
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Hexane, 2,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.401	78.88 ug/l	3020480	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	72
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	53
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

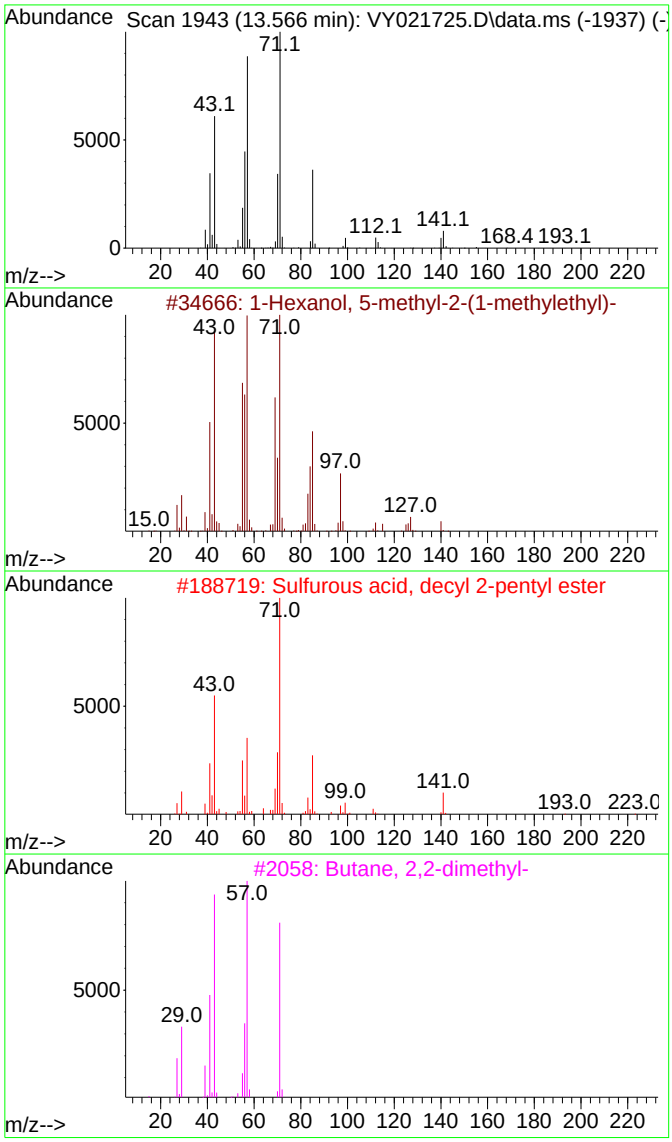
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

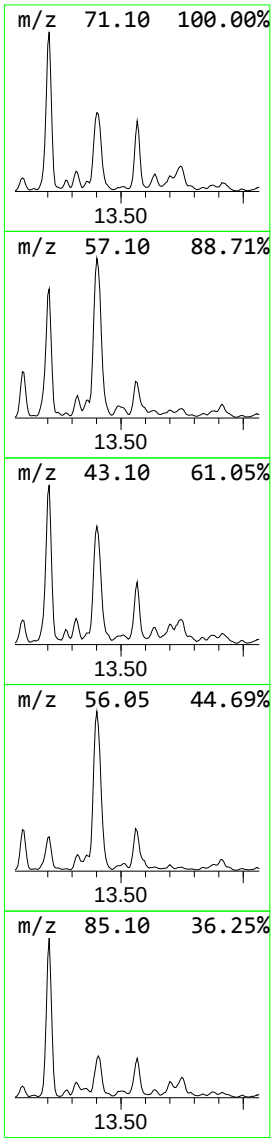
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1-Hexanol, 5-methyl-2-(1-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.566	21.96 ug/l	840717	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	83
2	Sulfurous acid, decyl 2-pentyl e...	292	C15H32O3S	1000309-15-9	53
3	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	53
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	50
5	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

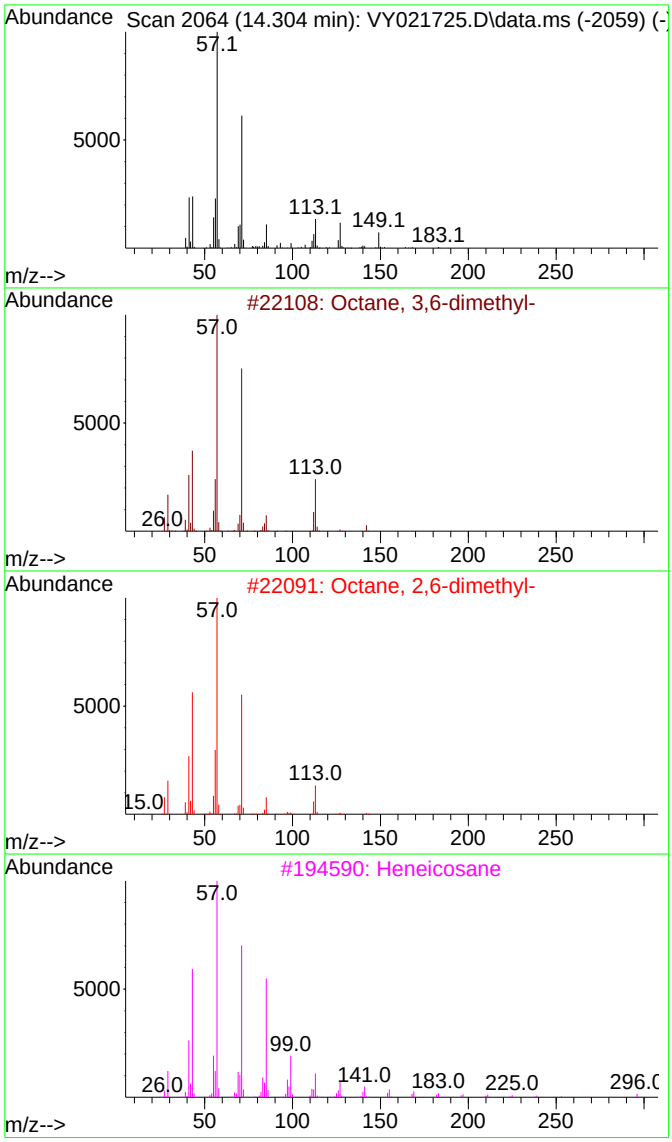
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

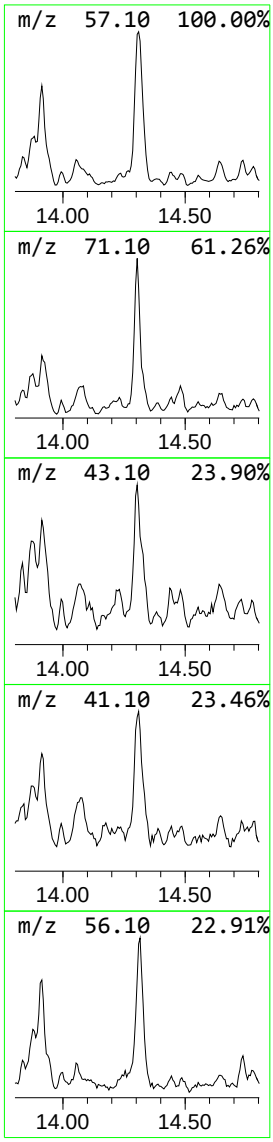
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Octane, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.304	11.89 ug/l	455348	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	Heneicosane	296	C21H44	000629-94-7	59
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021725.D
Acq On : 31 Mar 2025 17:22
Operator : SY/MD
Sample : Q1675-11
Misc : 8.02g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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
Hexane, 2,2-dim...	8.244	129.4	ug/l	3421000	2	8.616	1322060	50.0
Hexane, 2,5-dim...	9.115	21.4	ug/l	565494	2	8.616	1322060	50.0
Pentane, 2,3,4-...	9.542	89.7	ug/l	2372730	2	8.616	1322060	50.0
Pentane, 2,3,3-...	9.670	75.5	ug/l	1994900	2	8.616	1322060	50.0
Hexane, 2,2,5-t...	10.042	28.7	ug/l	1307800	3	11.414	2279820	50.0
Octane, 2,2-dim...	11.487	10.8	ug/l	490538	3	11.414	2279820	50.0
Heptane, 3,3,5-...	11.670	10.5	ug/l	478122	3	11.414	2279820	50.0
Decane, 2,2,9-t...	12.554	25.4	ug/l	973238	4	13.346	1914620	50.0
Octane, 2,4,6-t...	12.755	18.2	ug/l	695274	4	13.346	1914620	50.0
Dodecane, 2,2,1...	12.993	38.5	ug/l	1475050	4	13.346	1914620	50.0
Decane, 2,2-dim...	13.097	14.5	ug/l	556116	4	13.346	1914620	50.0
Hexadecane	13.206	72.3	ug/l	2768950	4	13.346	1914620	50.0
Hexane, 2,2,3-t...	13.401	78.9	ug/l	3020480	4	13.346	1914620	50.0
1-Hexanol, 5-me...	13.566	22.0	ug/l	840717	4	13.346	1914620	50.0
Octane, 3,6-dim...	14.304	11.9	ug/l	455348	4	13.346	1914620	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Time: Apr 02 03:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

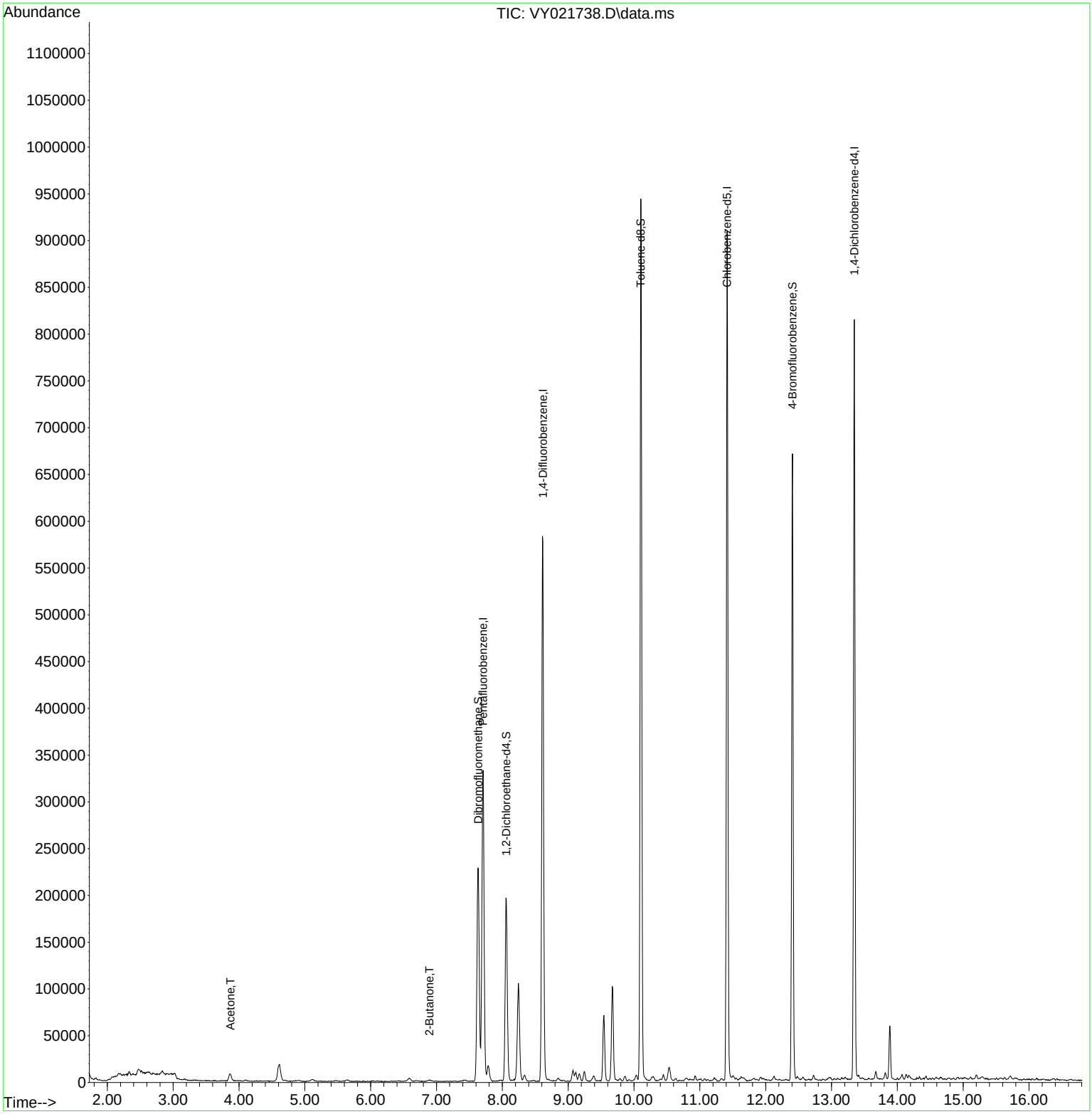
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	250737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	486743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	457044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	197804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153980	56.680	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.360%			
35) Dibromofluoromethane	7.634	113	160111	50.709	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.420%			
50) Toluene-d8	10.103	98	601700	50.093	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.180%			
62) 4-Bromofluorobenzene	12.408	95	201813	49.672	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.340%			
Target Compounds						Qvalue
16) Acetone	3.872	43	12649	22.750	ug/l	95
25) 2-Butanone	6.890	43	1701	2.142	ug/l	99

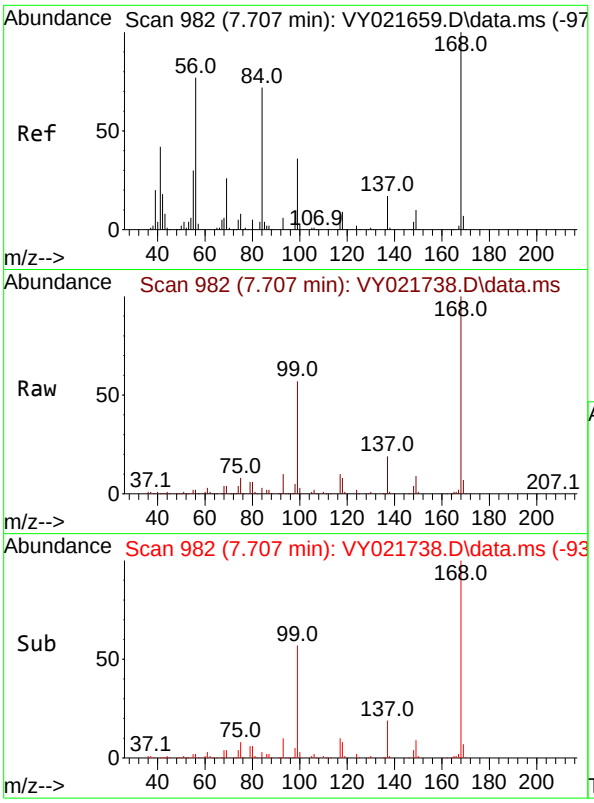
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Time: Apr 02 03:23:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



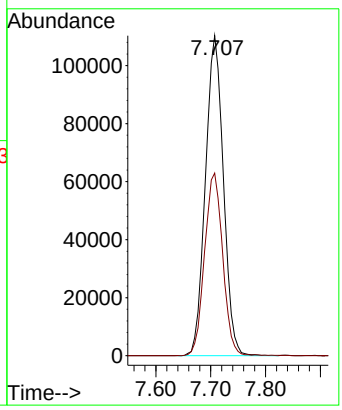


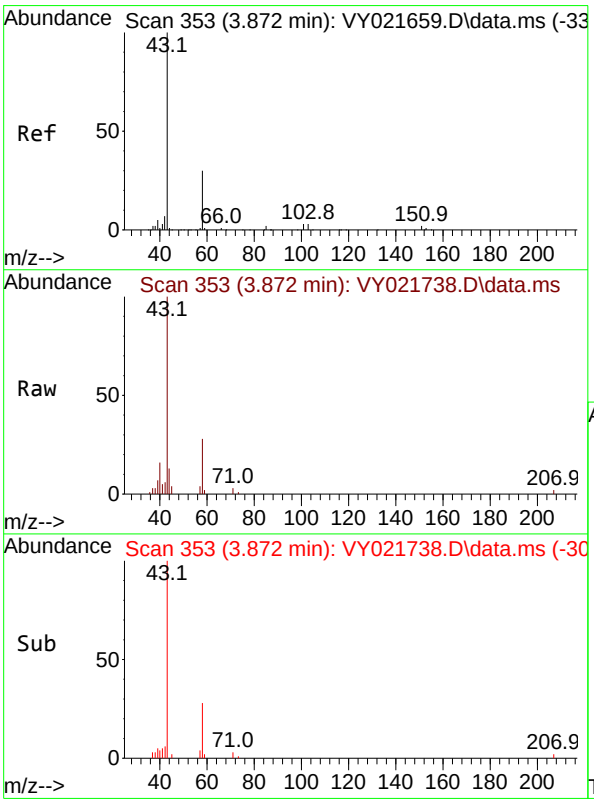
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion:168 Resp: 250737

Ion	Ratio	Lower	Upper
168	100		
99	57.0	46.7	70.1

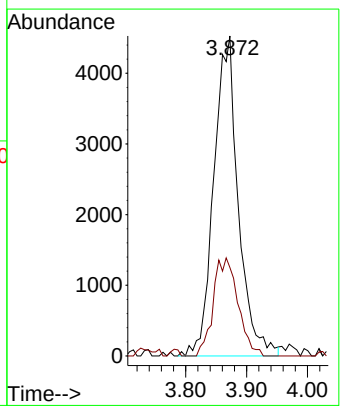


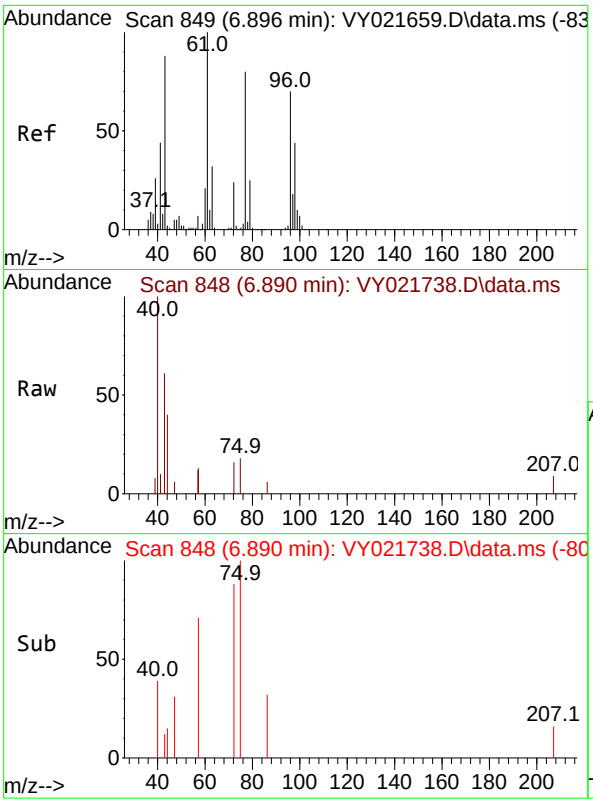


#16
Acetone
Concen: 22.750 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion: 43 Resp: 12649

Ion	Ratio	Lower	Upper
43	100		
58	27.6	24.2	36.4



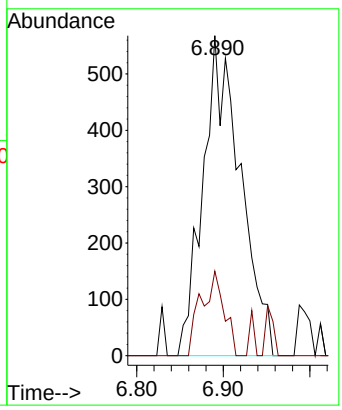


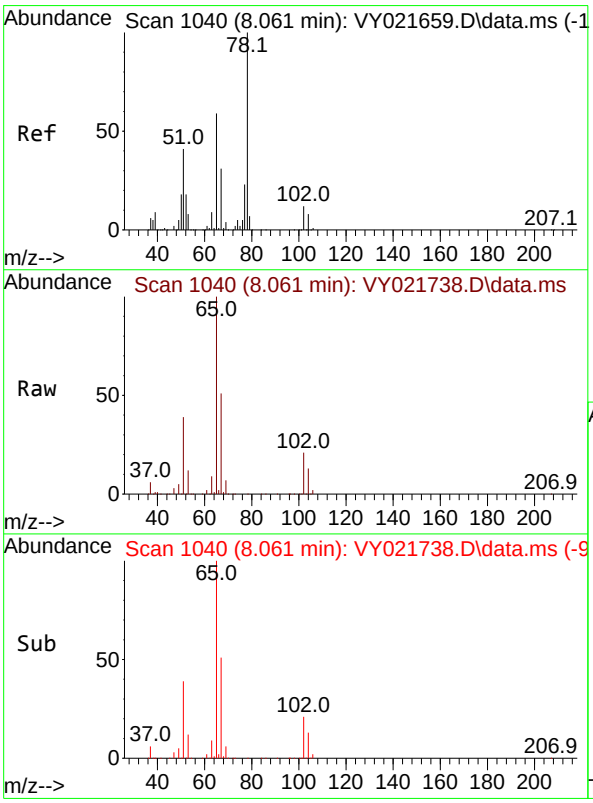
#25
2-Butanone
Concen: 2.142 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion: 43 Resp: 1701

Ion	Ratio	Lower	Upper
43	100		
72	26.4	21.4	32.2

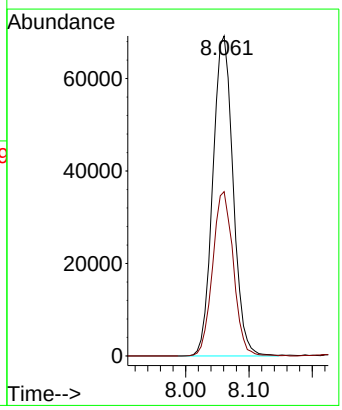


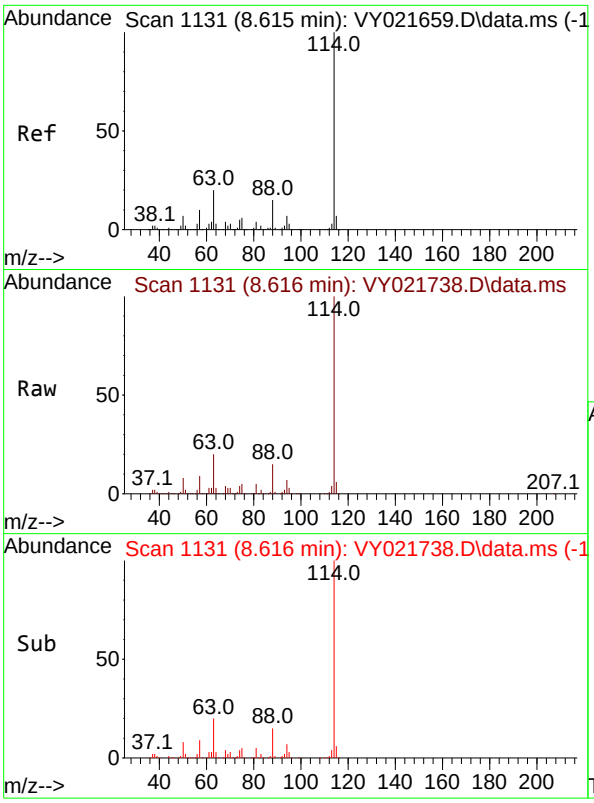


#33
1,2-Dichloroethane-d4
Concen: 56.680 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion: 65 Resp: 153980

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.6



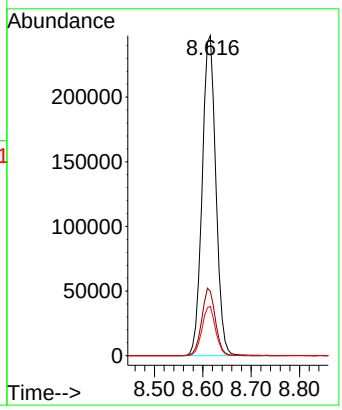


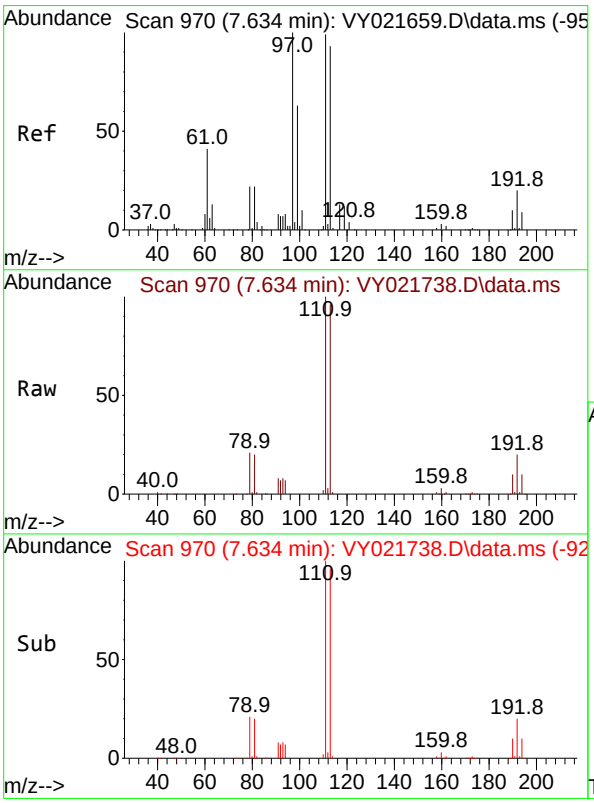
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion:114 Resp: 486743

Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	40.2
88	15.4	0.0	29.8

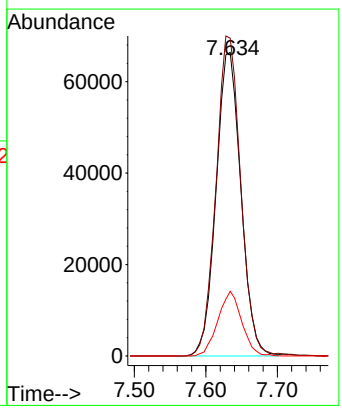


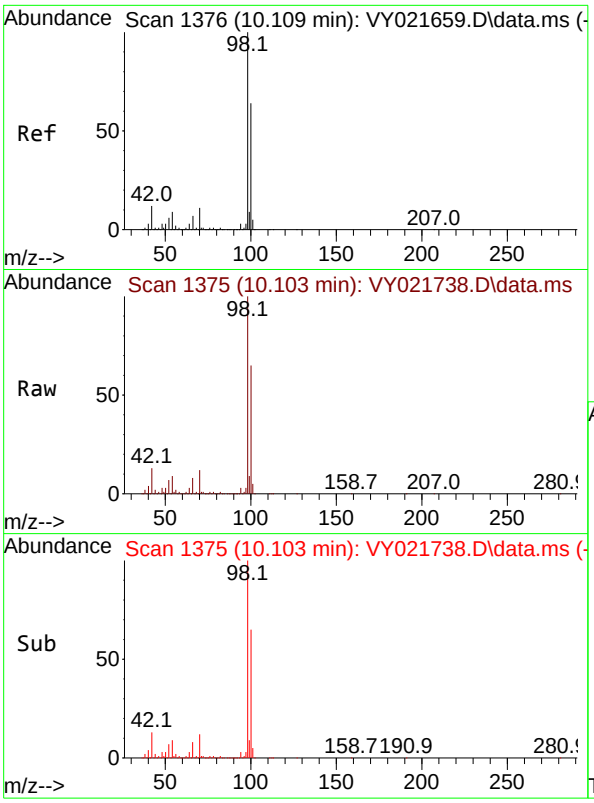


#35
Dibromofluoromethane
Concen: 50.709 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion:113 Resp: 160111

Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.6	123.8
192	20.5	16.2	24.4



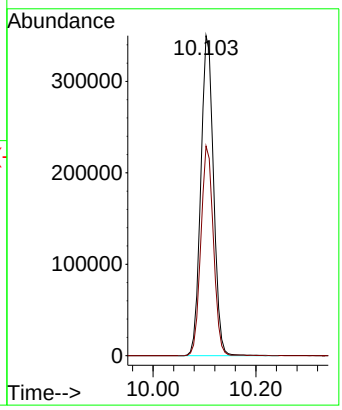


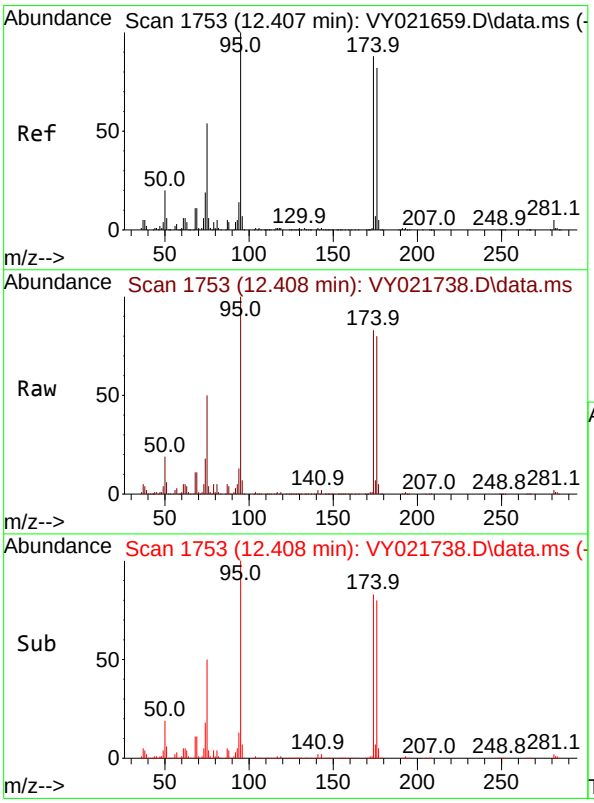
#50
Toluene-d8
Concen: 50.093 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion: 98 Resp: 601700

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.1	78.1

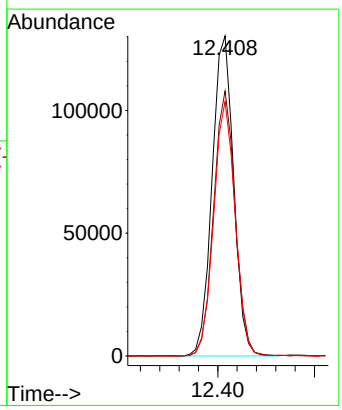


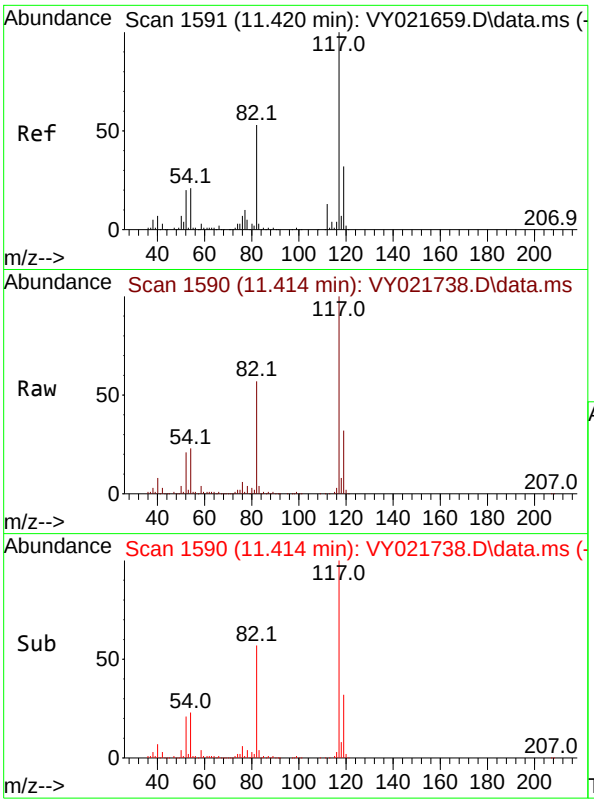


#62
4-Bromofluorobenzene
Concen: 49.672 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion: 95 Resp: 201813

Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	170.8
176	79.2	0.0	162.0



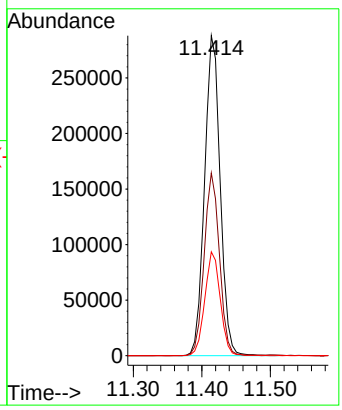


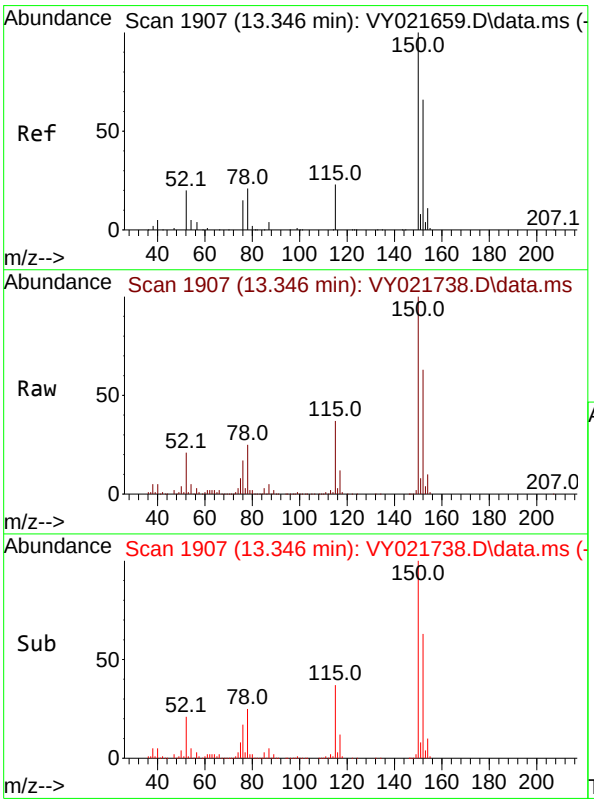
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion:117 Resp: 457044

Ion	Ratio	Lower	Upper
117	100		
82	57.1	42.8	64.2
119	32.5	25.7	38.5

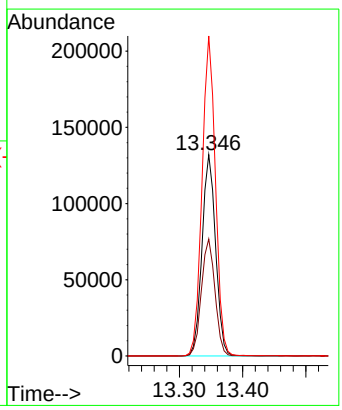




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021738.D
Acq: 01 Apr 2025 13:46

Tgt Ion:152 Resp: 197804

Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.8	86.5
150	156.7	0.0	348.4



Sample Results: **VY021738.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021738.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.860	345	351	362	rVB2	7442	21612	1.34%	0.235%
2	4.610	460	474	485	rBV2	18020	60134	3.73%	0.655%
3	7.634	958	970	976	rBV2	228054	559280	34.68%	6.094%
4	7.707	976	982	990	rVV	332641	757459	46.97%	8.253%
5	7.786	990	995	1006	rVB4	16615	42907	2.66%	0.467%
6	8.055	1030	1039	1052	rBV	195883	437507	27.13%	4.767%
7	8.244	1060	1070	1080	rBV	103872	247797	15.37%	2.700%
8	8.609	1121	1130	1142	rBV	582872	1157845	71.80%	12.615%
9	9.073	1200	1206	1210	rBV4	11788	25237	1.57%	0.275%
10	9.164	1217	1221	1229	rVV7	7564	16177	1.00%	0.176%
11	9.243	1229	1234	1243	rVB3	10047	20008	1.24%	0.218%
12	9.542	1275	1283	1295	rBV	70282	140883	8.74%	1.535%
13	9.670	1295	1304	1312	rBV2	101206	209110	12.97%	2.278%
14	10.103	1368	1375	1391	rVB	941969	1612574	100.00%	17.570%
15	10.536	1437	1446	1455	rBV7	14053	36206	2.25%	0.394%
16	11.414	1583	1590	1601	rBV	907317	1435885	89.04%	15.645%
17	12.408	1744	1753	1761	rBV	670247	1076984	66.79%	11.734%
18	13.346	1899	1907	1915	rBV	812368	1222611	75.82%	13.321%
19	13.883	1989	1995	2008	rVB	56988	97871	6.07%	1.066%

Sum of corrected areas: 9178087

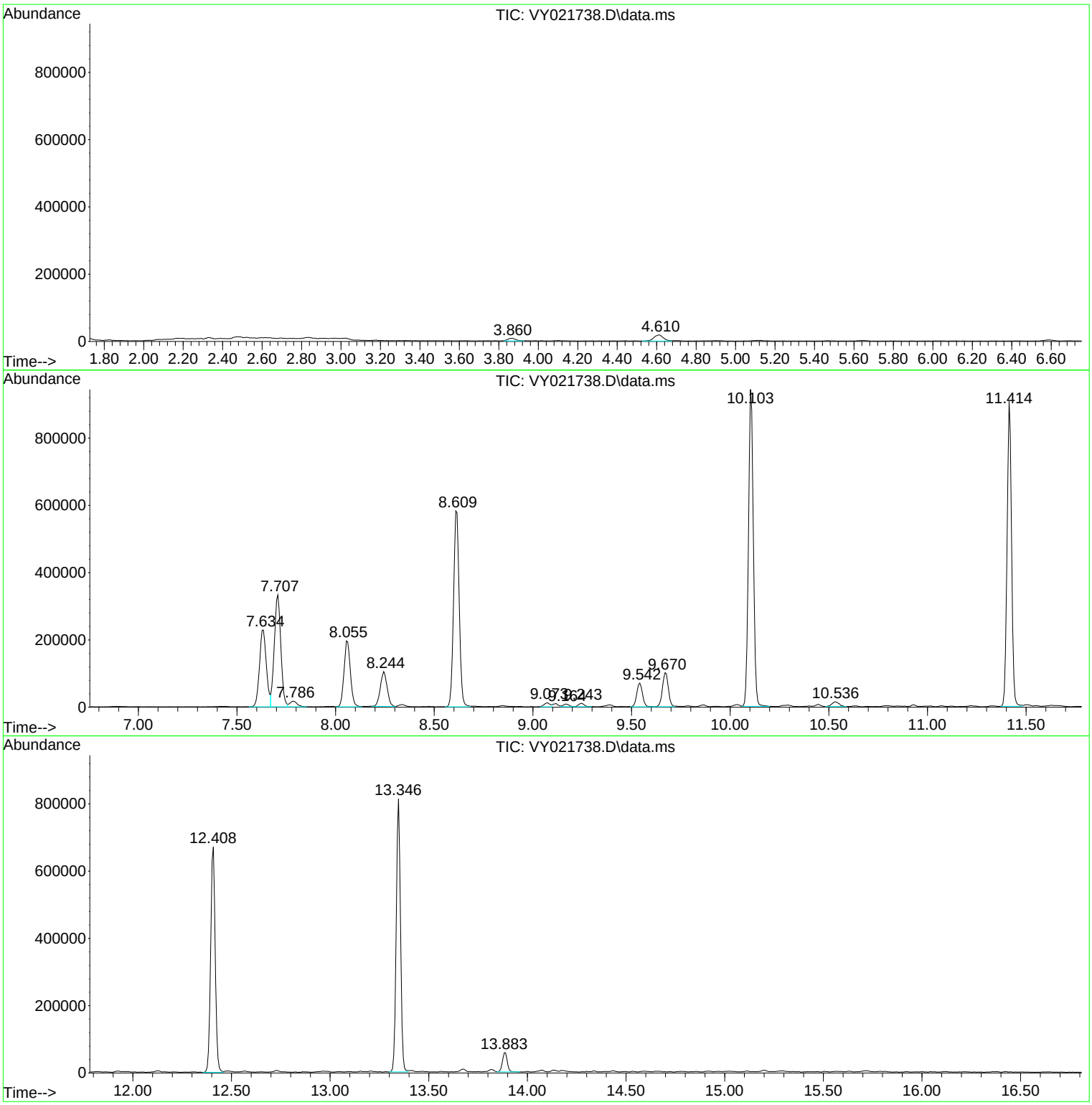
Sample Results: **VY021738.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

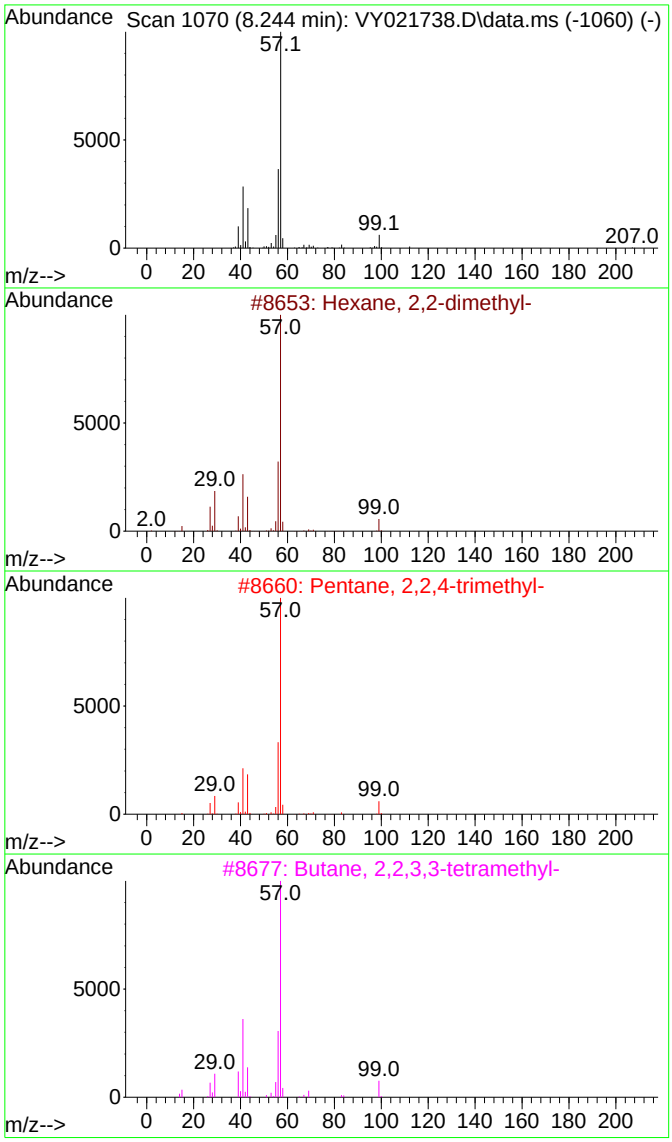
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

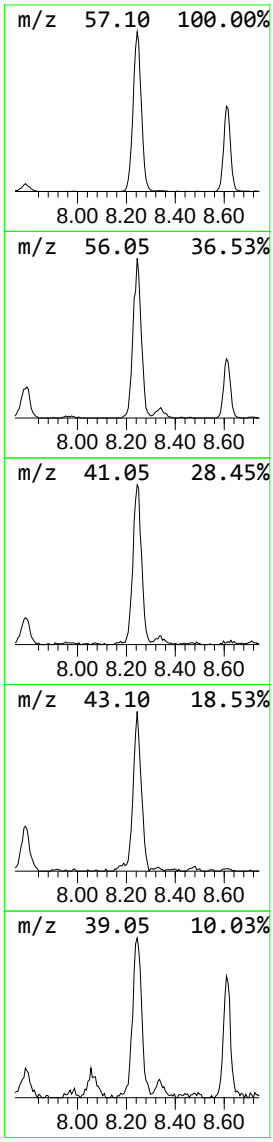
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.244	10.70 ug/l	247797	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

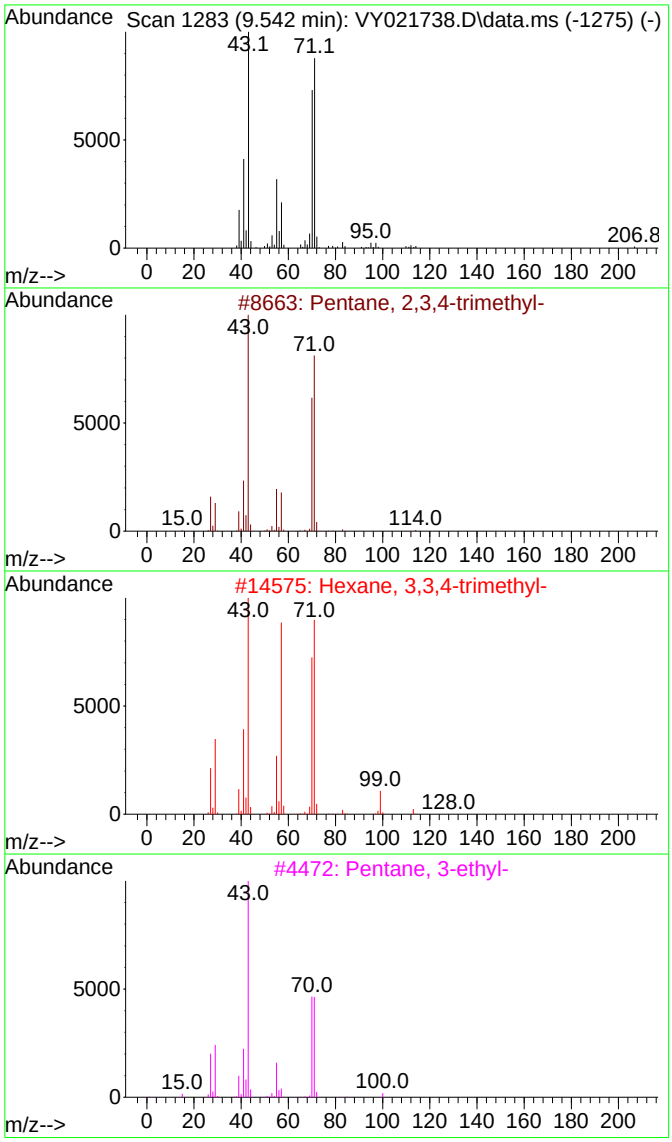
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

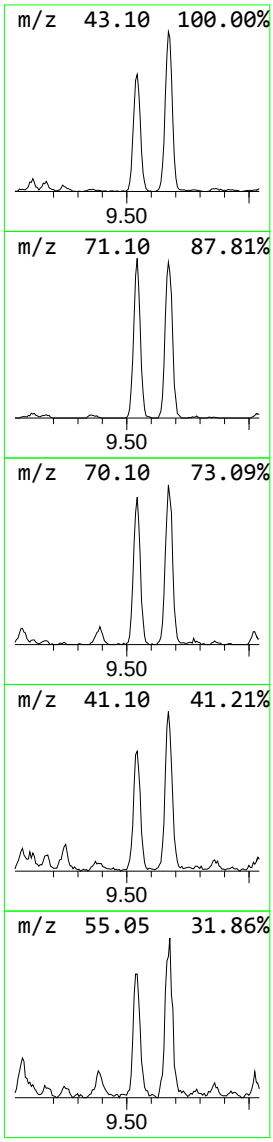
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.542	6.08 ug/l	140883	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	78
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	72
4	Butanoic acid, 3-methylbutyl ester	158	C9H18O2	000106-27-4	64
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

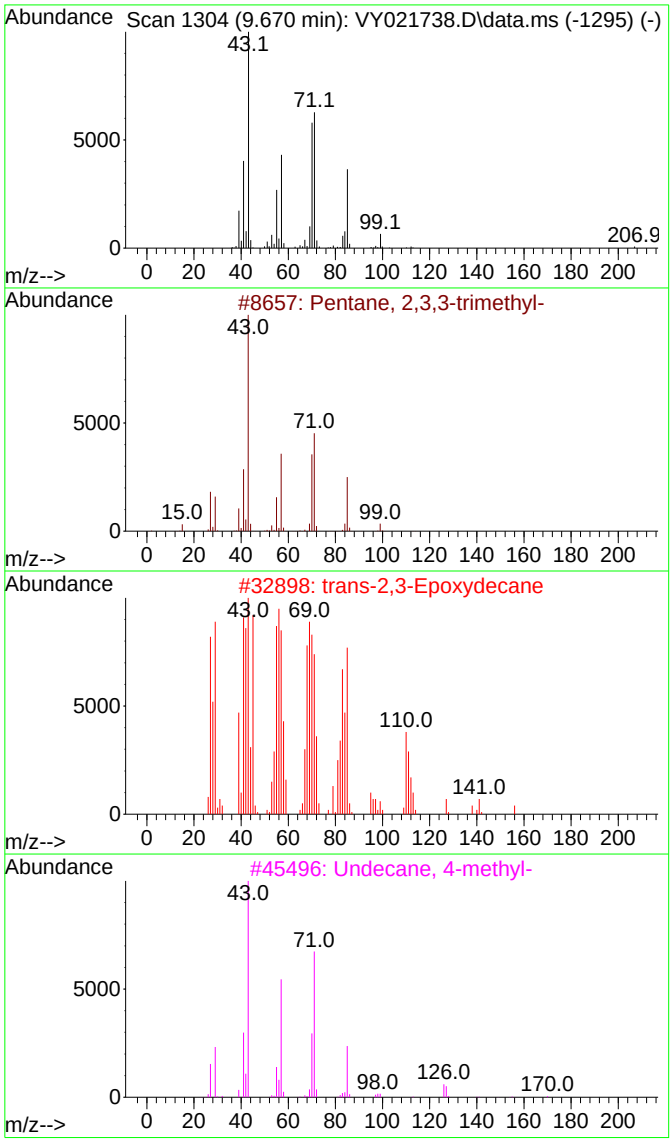
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

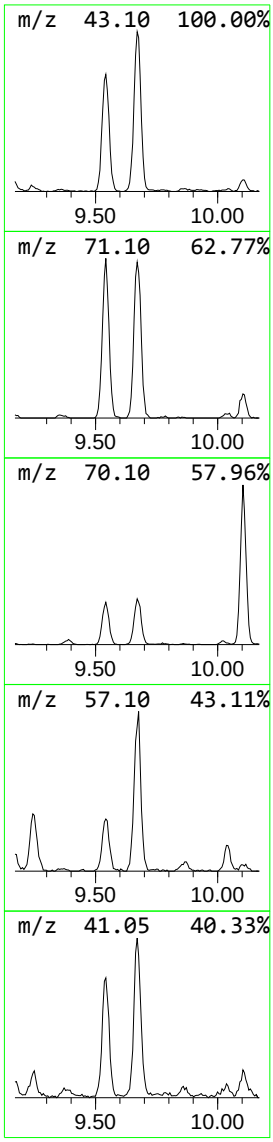
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 2,3,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.670	9.03 ug/l	209110	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	64
3	Undecane, 4-methyl-	170	C12H26	002980-69-0	59
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	53
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021738.D
Acq On : 01 Apr 2025 13:46
Operator : SY/MD
Sample : Q1675-12
Misc : 8.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
T6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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
Hexane, 2,2-dim...	8.244	10.7	ug/l	247797	2	8.616	1157850	50.0
Pentane, 2,3,4-...	9.542	6.1	ug/l	140883	2	8.616	1157850	50.0
Pentane, 2,3,3-...	9.670	9.0	ug/l	209110	2	8.616	1157850	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Time: Apr 01 05:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	226309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	422899	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	372547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	140307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	123723	50.458	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.920%			
35) Dibromofluoromethane	7.634	113	137529	50.133	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.260%			
50) Toluene-d8	10.109	98	510346	48.901	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.800%			
62) 4-Bromofluorobenzene	12.408	95	150957	42.764	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.520%			

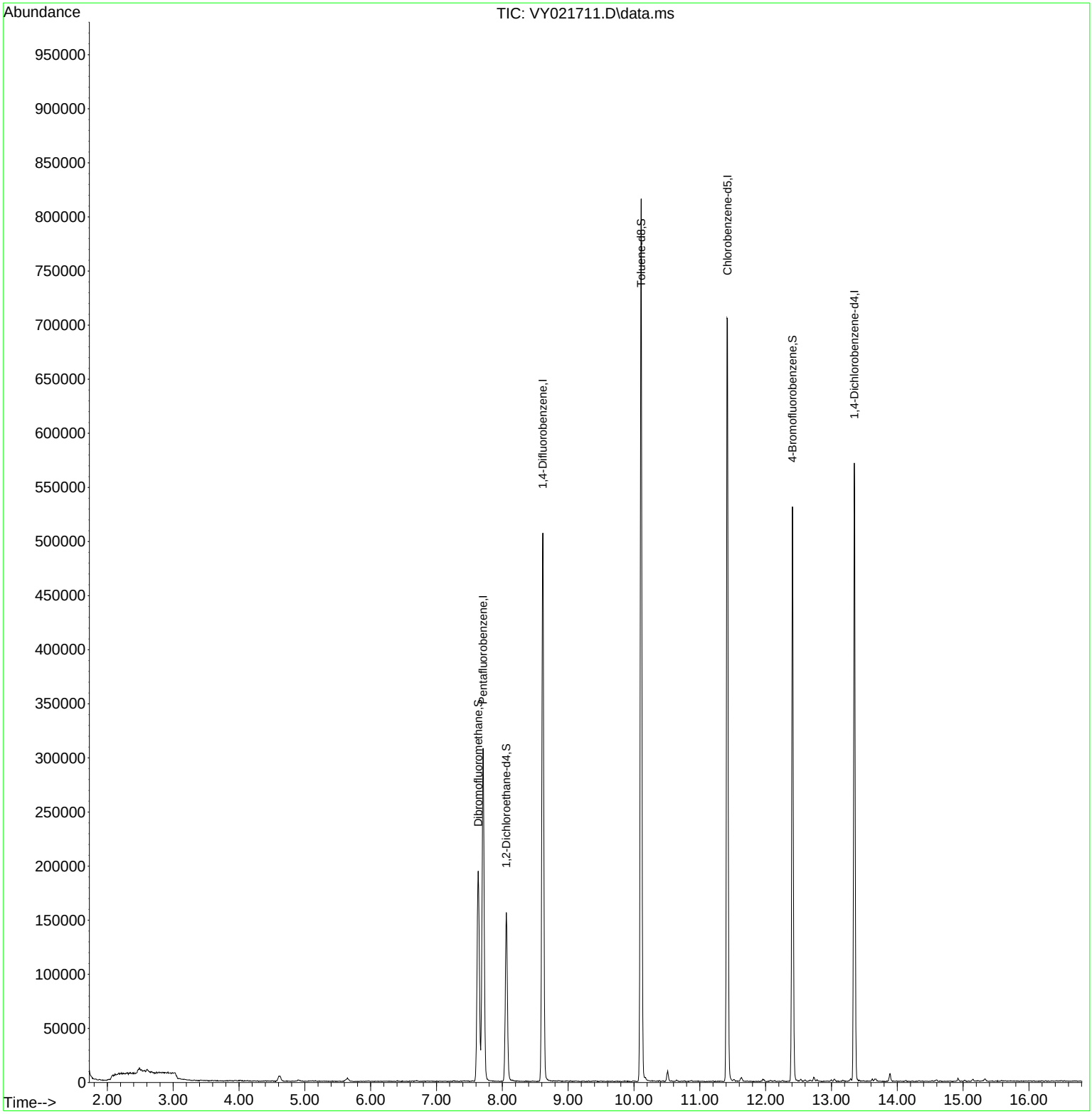
Target Compounds Qvalue

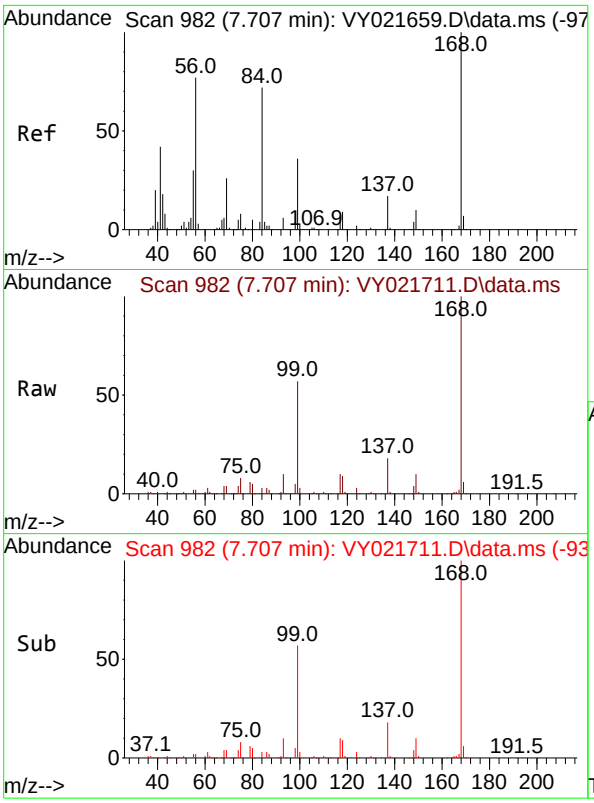
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Time: Apr 01 05:33:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



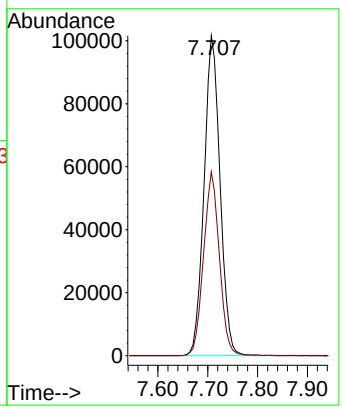


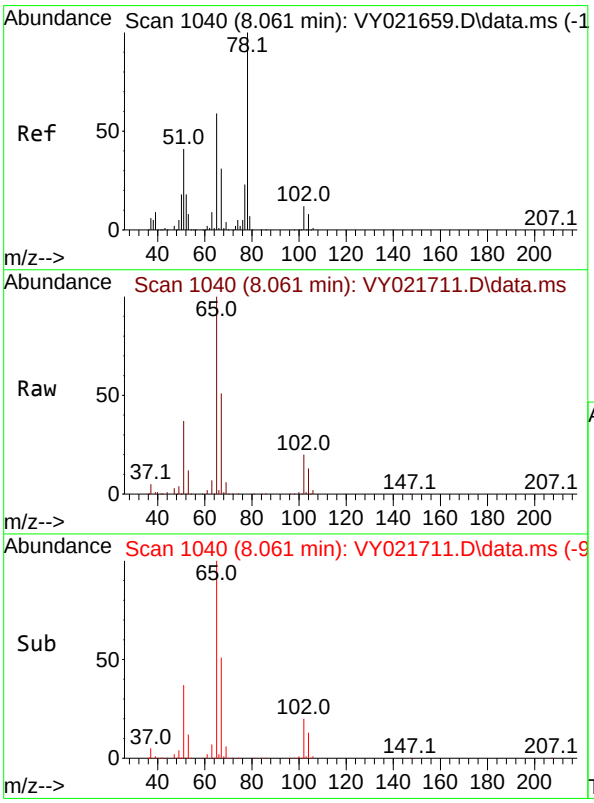
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion:168 Resp: 226309

Ion	Ratio	Lower	Upper
168	100		
99	57.5	46.7	70.1

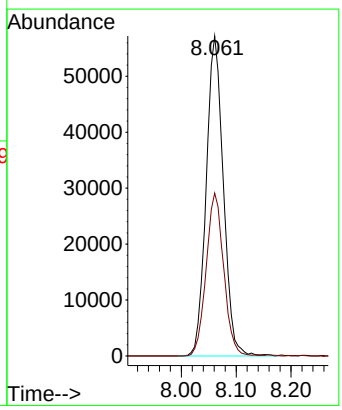


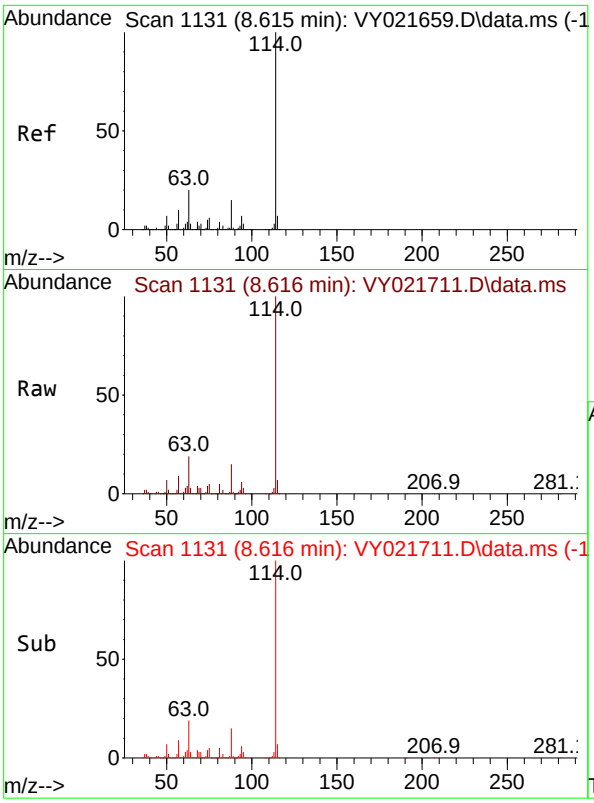


#33
1,2-Dichloroethane-d4
Concen: 50.458 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Tgt Ion: 65 Resp: 123723

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.6



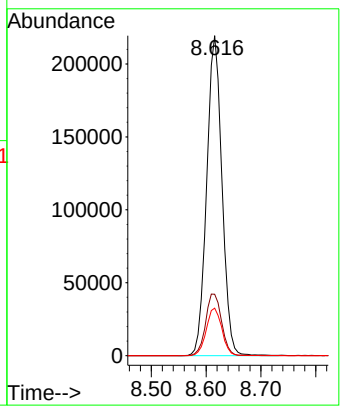


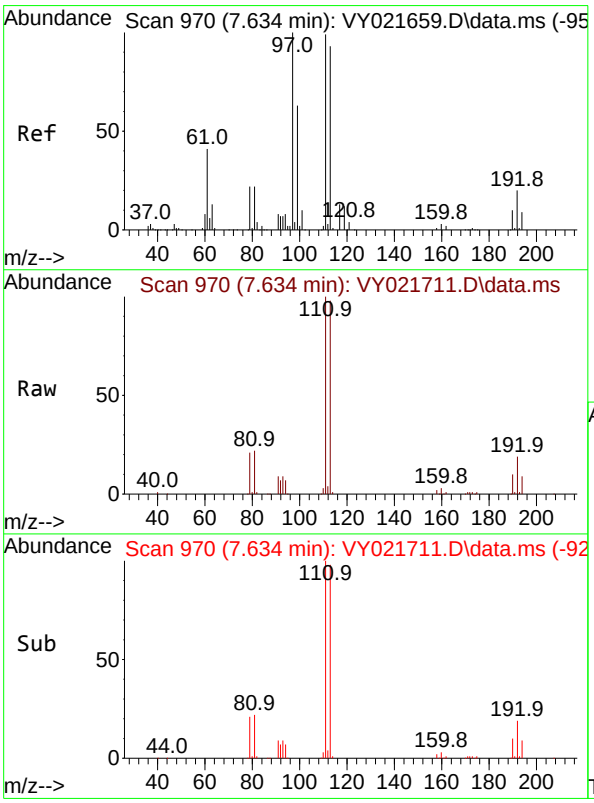
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion:114 Resp: 422899

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	40.2
88	14.9	0.0	29.8

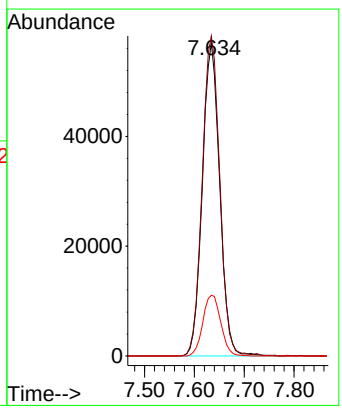


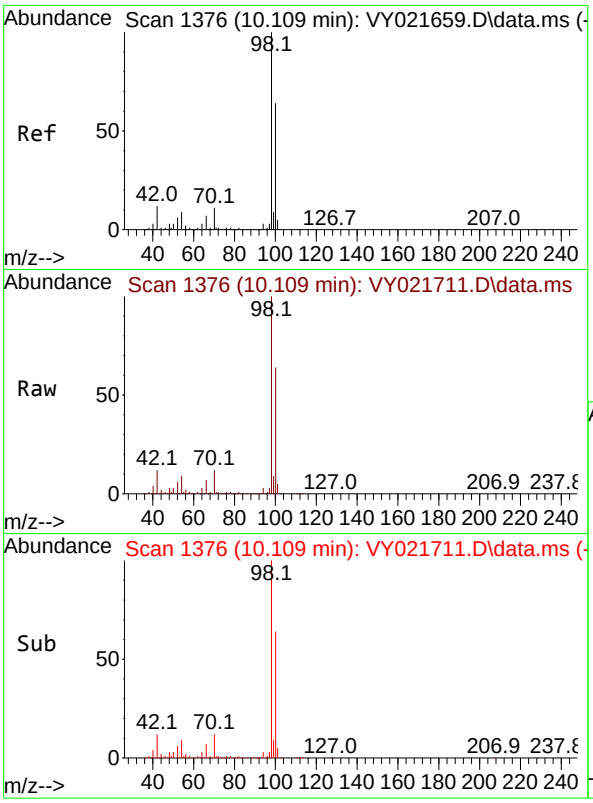


#35
Dibromofluoromethane
Concen: 50.133 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Tgt Ion:113 Resp: 137529

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	123.8
192	20.1	16.2	24.4



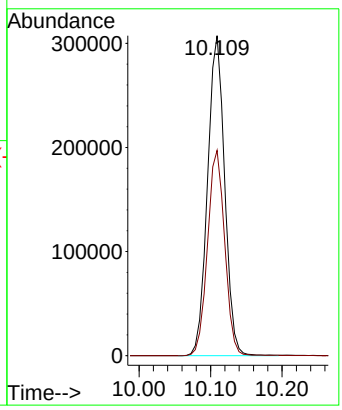


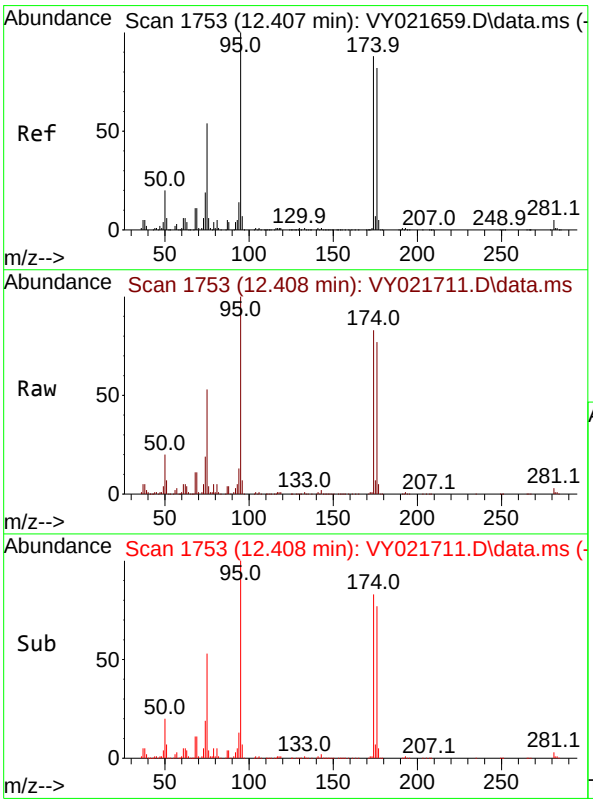
#50
Toluene-d8
Concen: 48.901 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion: 98 Resp: 510346

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1

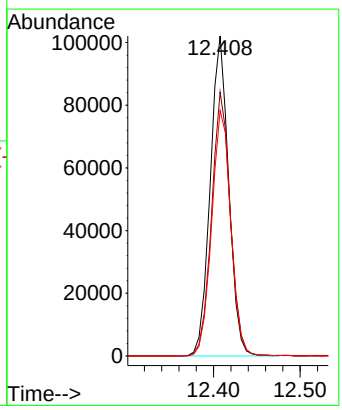


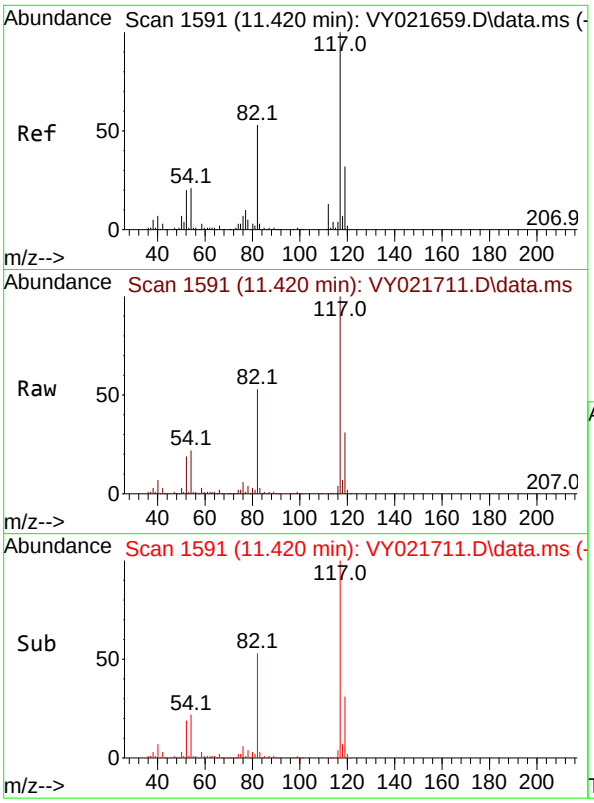


#62
4-Bromofluorobenzene
Concen: 42.764 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Tgt Ion: 95 Resp: 150957

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.8
176	79.8	0.0	162.0



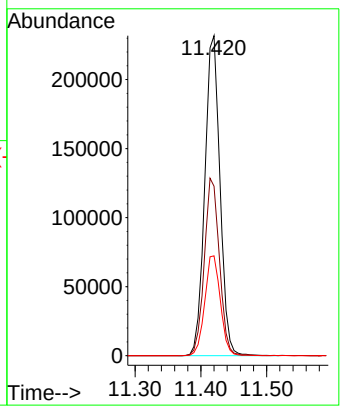


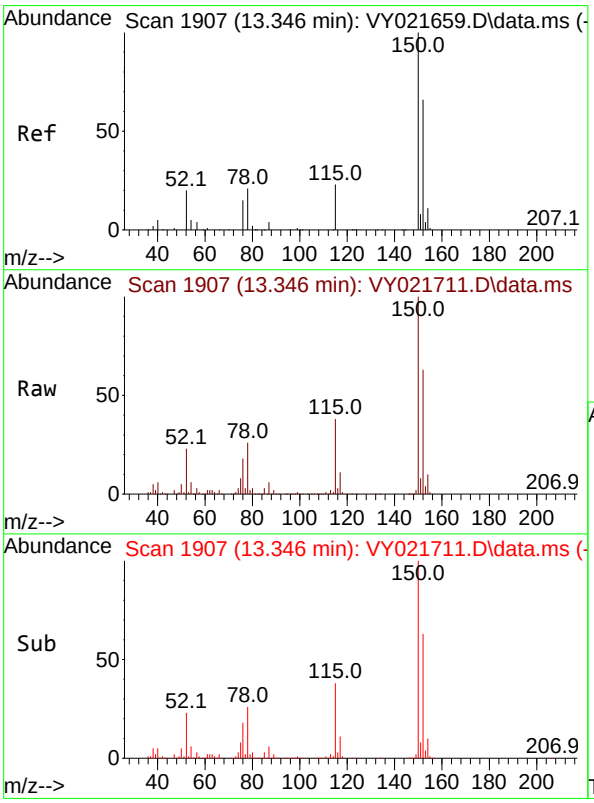
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Tgt Ion:117 Resp: 372547

Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.8	64.2
119	31.2	25.7	38.5

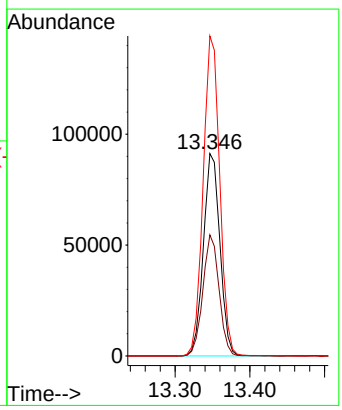




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021711.D
Acq: 31 Mar 2025 11:04

Tgt Ion:152 Resp: 140307

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.8	86.5
150	157.8	0.0	348.4



Sample Results: **VY021711.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021711.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	960	970	976	rBV	194391	472904	34.51%	6.999%
2	7.707	976	982	996	rVB	307335	685157	49.99%	10.140%
3	8.061	1031	1040	1050	rBV	156180	344781	25.16%	5.102%
4	8.616	1122	1131	1146	rBV	506736	1002112	73.12%	14.830%
5	10.109	1364	1376	1385	rBV	815899	1370453	100.00%	20.282%
6	10.512	1434	1442	1449	rBV2	9775	17672	1.29%	0.262%
7	11.414	1580	1590	1604	rBV	705813	1170680	85.42%	17.325%
8	12.408	1746	1753	1762	rBV	530961	820533	59.87%	12.143%
9	13.346	1900	1907	1917	rVB	570923	872832	63.69%	12.917%

Sum of corrected areas: 6757124

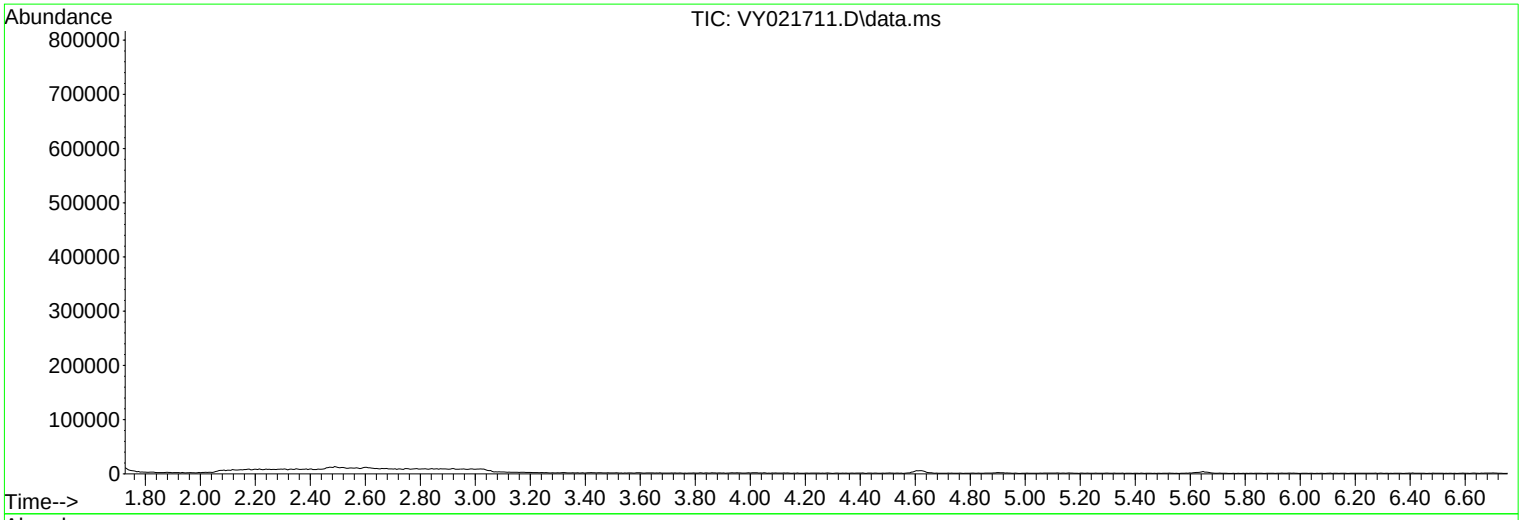
Sample Results: **VY021711.D**

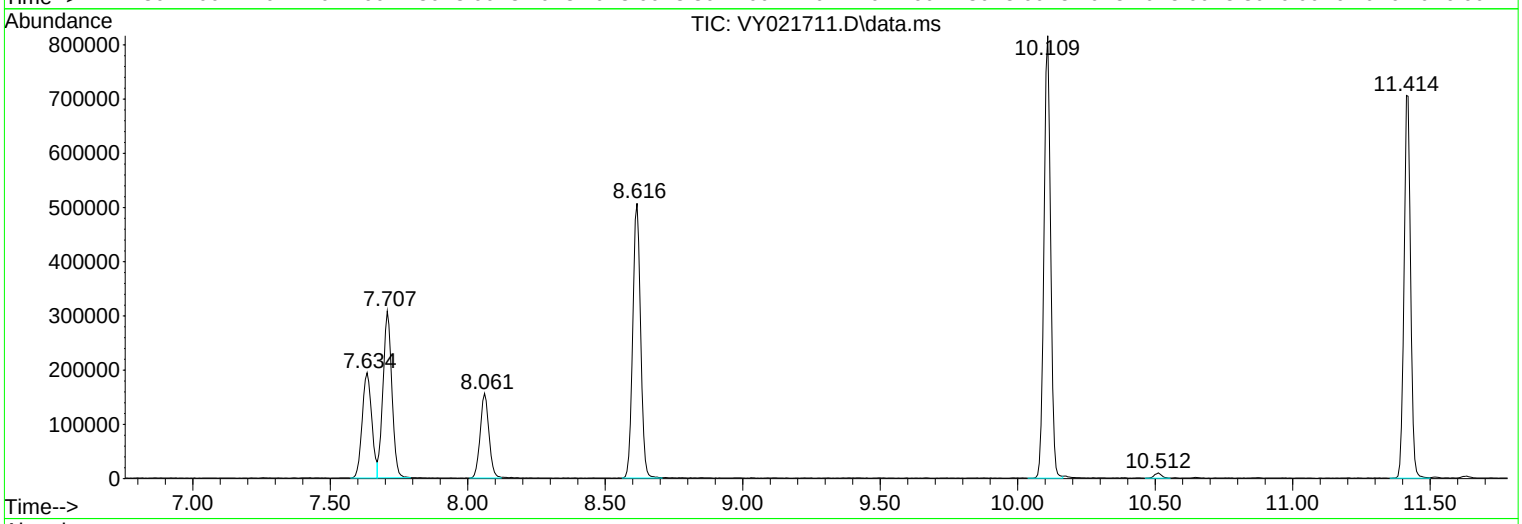
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

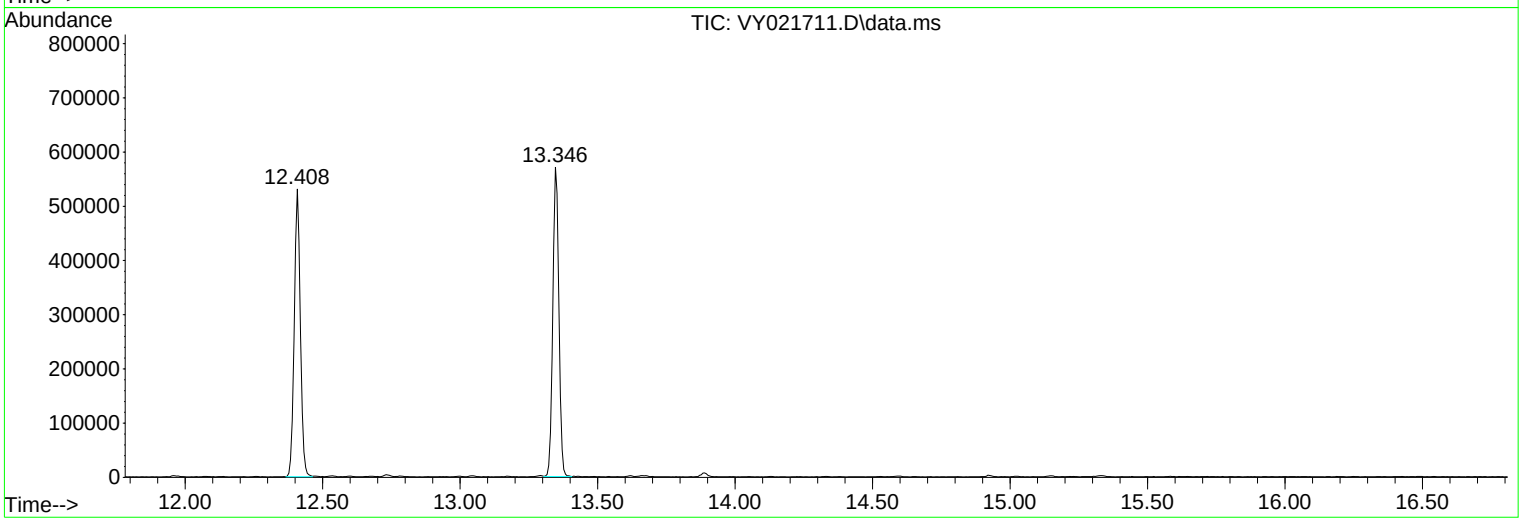
Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY021711.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY033125\
Data File : VY021711.D
Acq On : 31 Mar 2025 11:04
Operator : SY/MD
Sample : VY0331SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Time: Apr 02 03:21:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	281152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	519589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	477574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	199303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	160703	52.755	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.520%			
35) Dibromofluoromethane	7.634	113	173925	51.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.200%			
50) Toluene-d8	10.103	98	633876	49.435	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.880%			
62) 4-Bromofluorobenzene	12.408	95	205202	47.313	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.620%			

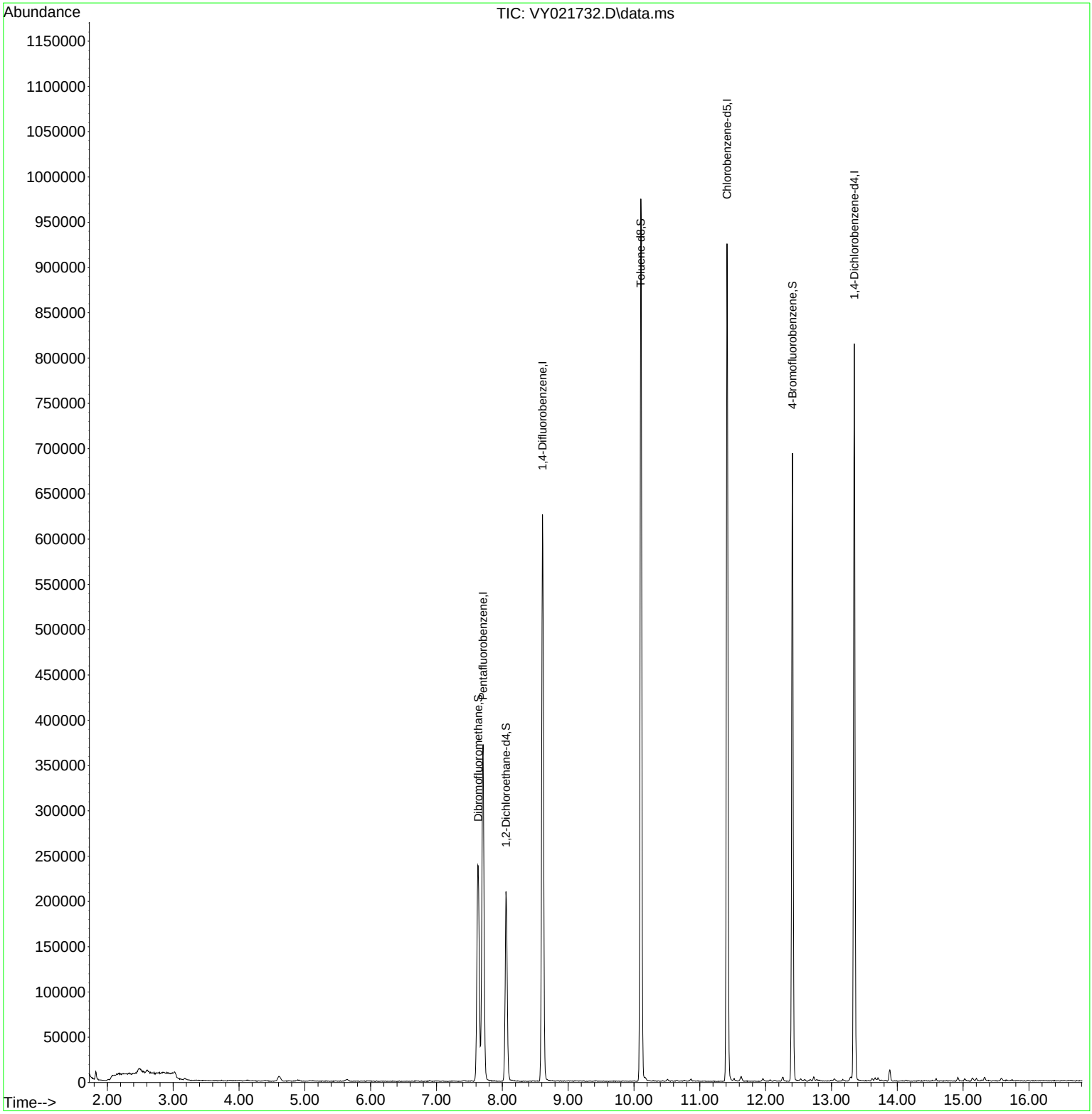
Target Compounds Qvalue

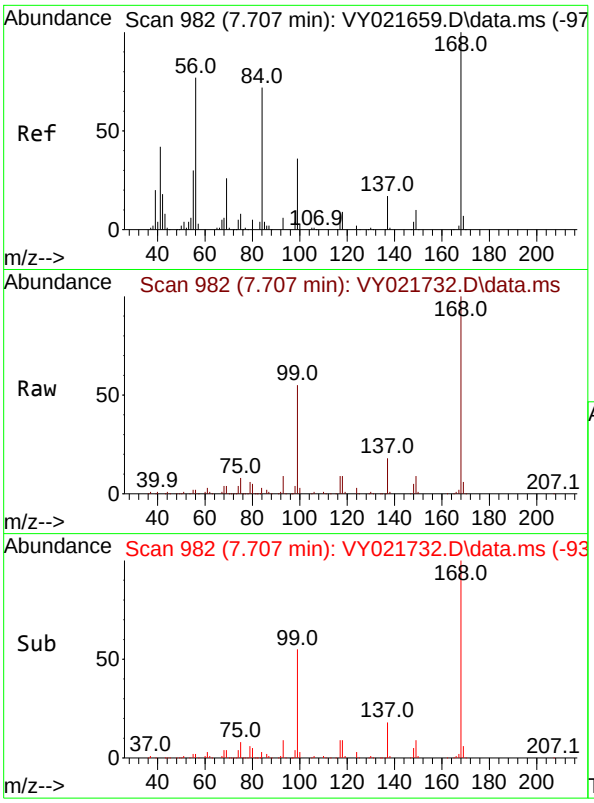
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Time: Apr 02 03:21:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration



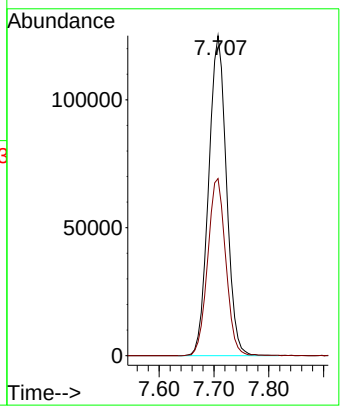


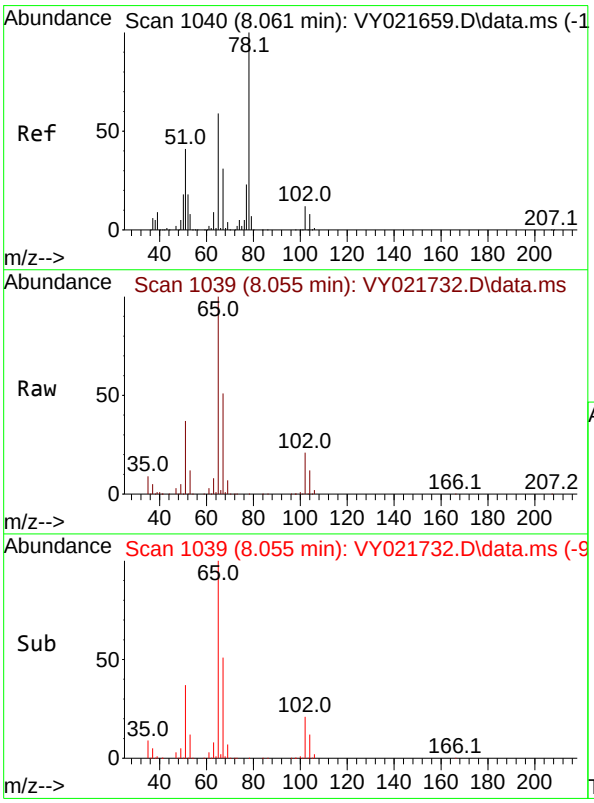
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Tgt Ion:168 Resp: 281152

Ion	Ratio	Lower	Upper
168	100		
99	55.4	46.7	70.1

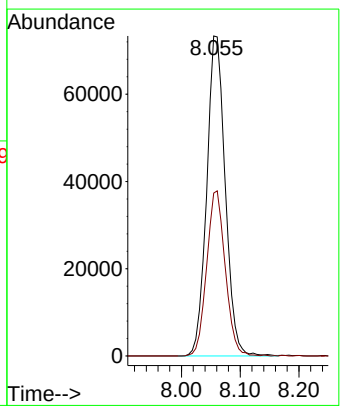


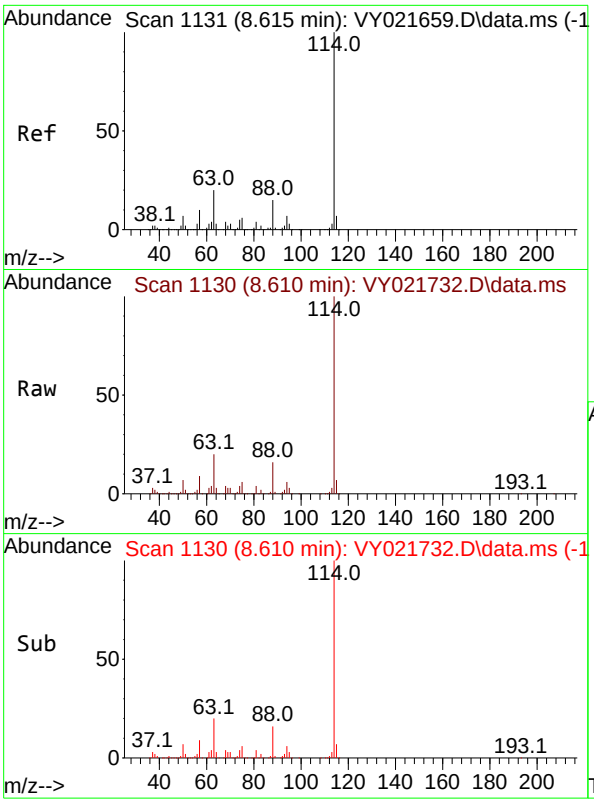


#33
1,2-Dichloroethane-d4
Concen: 52.755 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion: 65 Resp: 160703

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.6



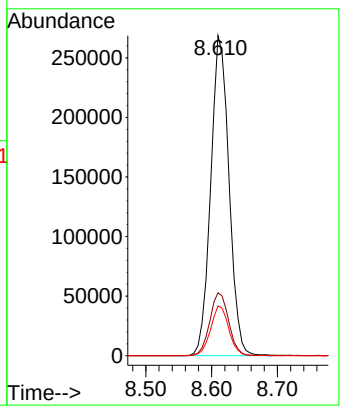


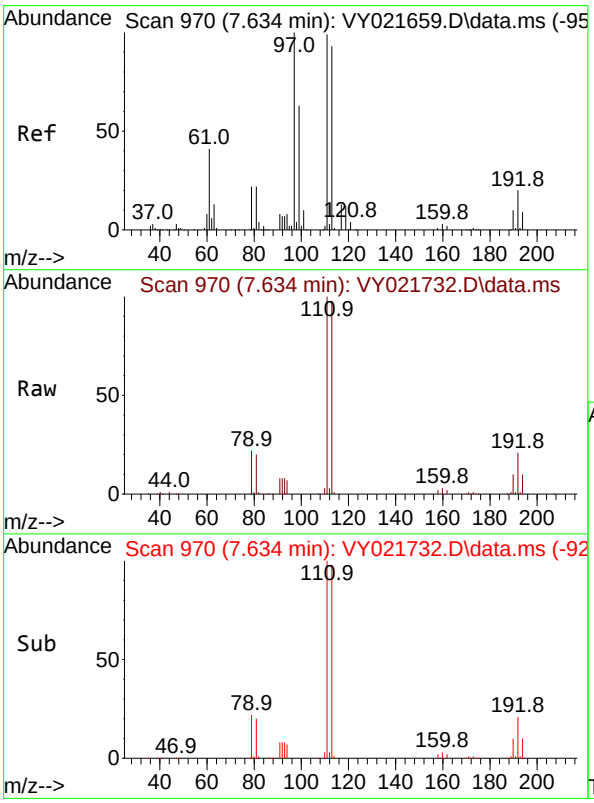
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Tgt Ion:114 Resp: 519589

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.2
88	15.6	0.0	29.8

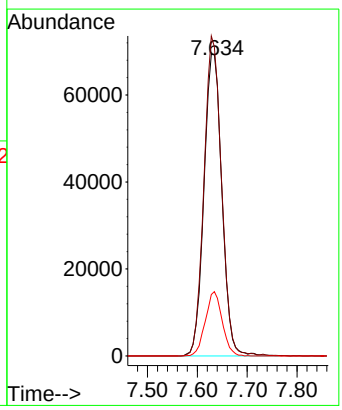


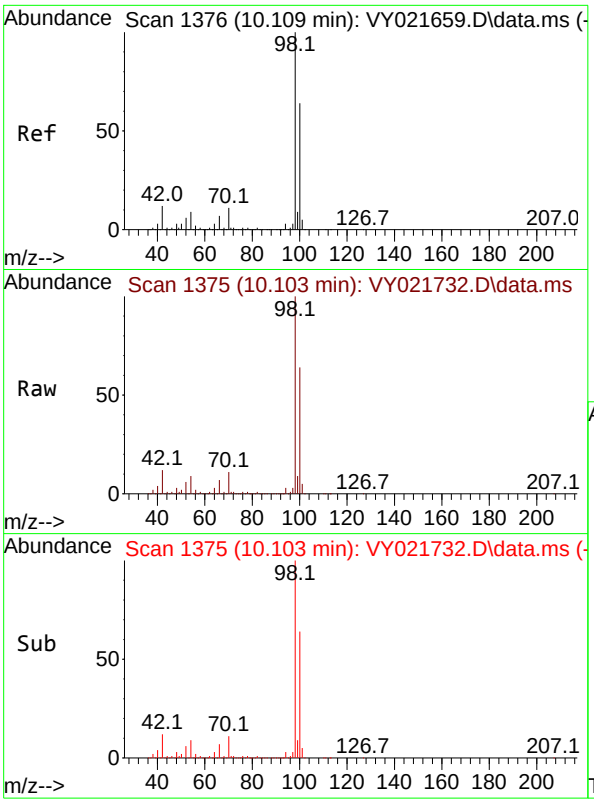


#35
Dibromofluoromethane
Concen: 51.602 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion:113 Resp: 173925

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	123.8
192	20.1	16.2	24.4



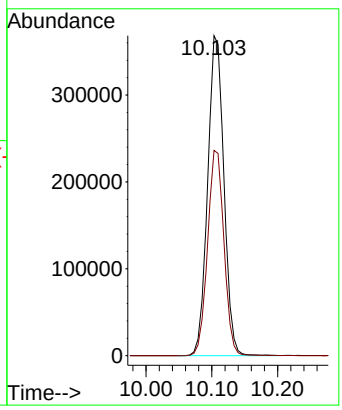


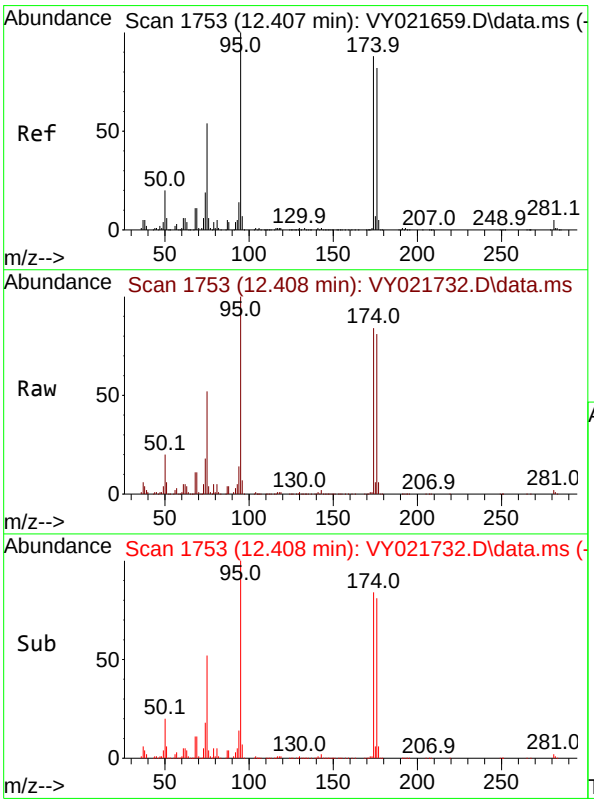
#50
Toluene-d8
Concen: 49.435 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Tgt Ion: 98 Resp: 633876

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1

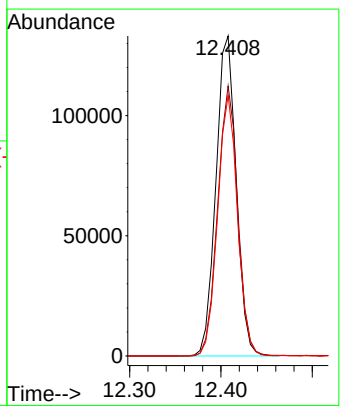


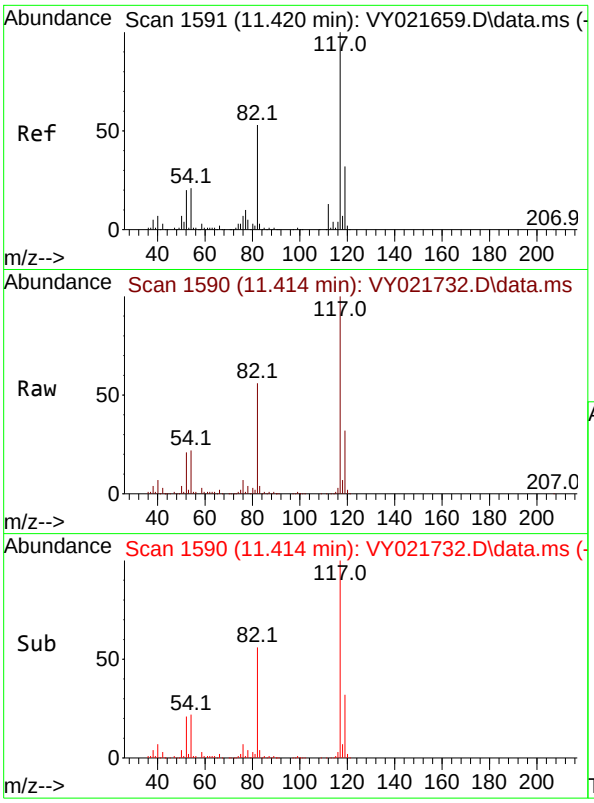


#62
4-Bromofluorobenzene
Concen: 47.313 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion: 95 Resp: 205202

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.8
176	79.7	0.0	162.0



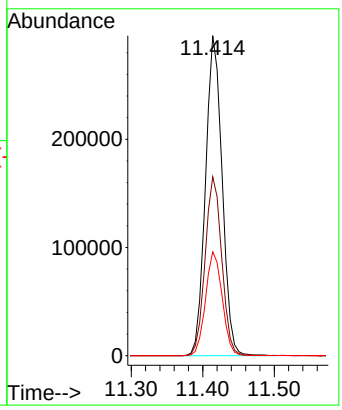


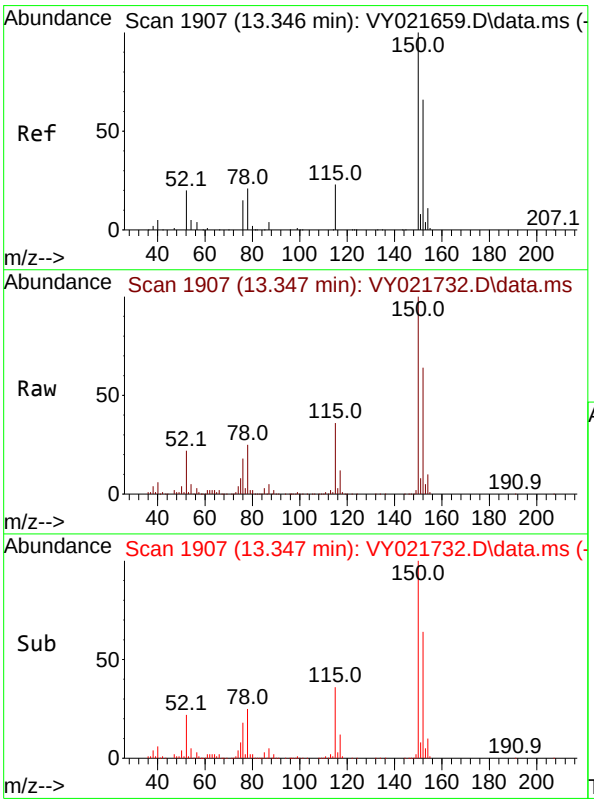
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Tgt Ion:117 Resp: 477574

Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.8	64.2
119	32.4	25.7	38.5

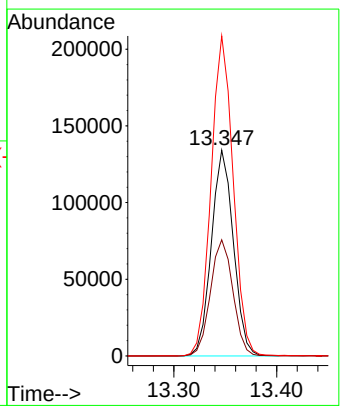




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021732.D
Acq: 01 Apr 2025 10:52

Tgt Ion:152 Resp: 199303

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.8	86.5
150	156.5	0.0	348.4



Sample Results: **VY021732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

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\82Y032725S.M
Title : SW846 8260

Signal : TIC: VY021732.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.628	958	969	975	rBV	238906	587089	34.74%	6.788%
2	7.707	975	982	998	rVB	371699	852345	50.44%	9.855%
3	8.055	1030	1039	1049	rBV2	209441	453632	26.84%	5.245%
4	8.610	1122	1130	1141	rBV	625759	1223619	72.41%	14.147%
5	10.103	1366	1375	1384	rBV	974595	1689893	100.00%	19.538%
6	11.414	1582	1590	1604	rBV	924860	1503514	88.97%	17.383%
7	12.408	1744	1753	1762	rBV	693714	1088395	64.41%	12.584%
8	13.347	1900	1907	1919	rVB	813462	1228179	72.68%	14.200%
9	13.883	1989	1995	2003	rBV2	12655	22517	1.33%	0.260%

Sum of corrected areas: 8649183

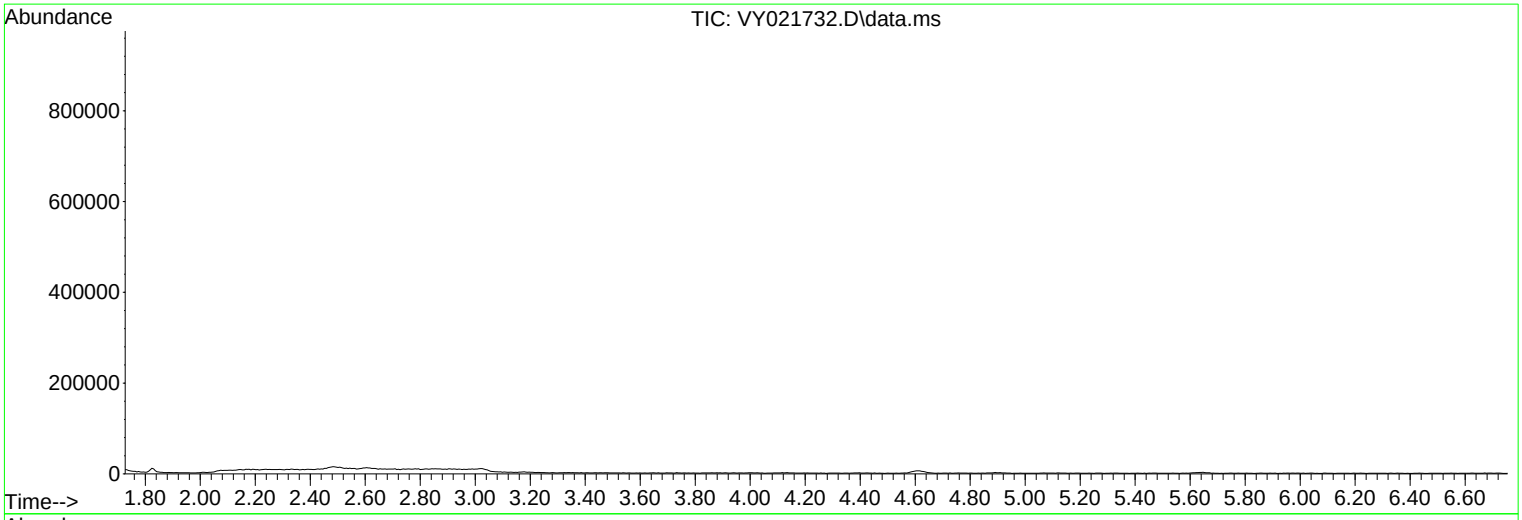
Sample Results: **VY021732.D**

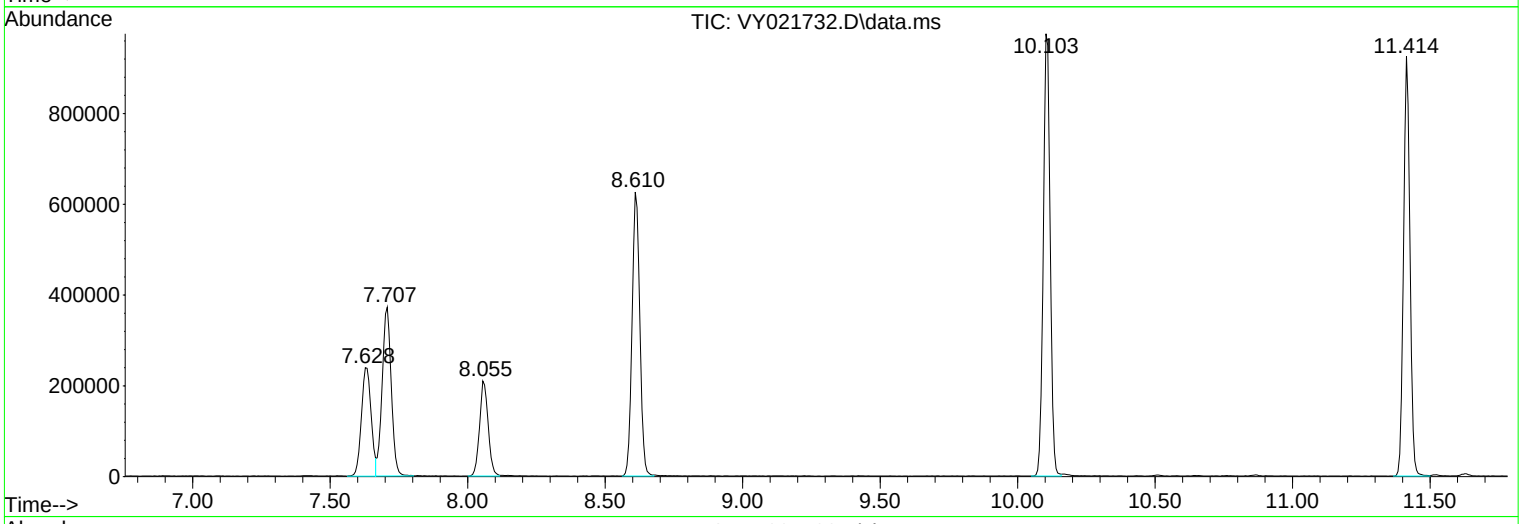
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

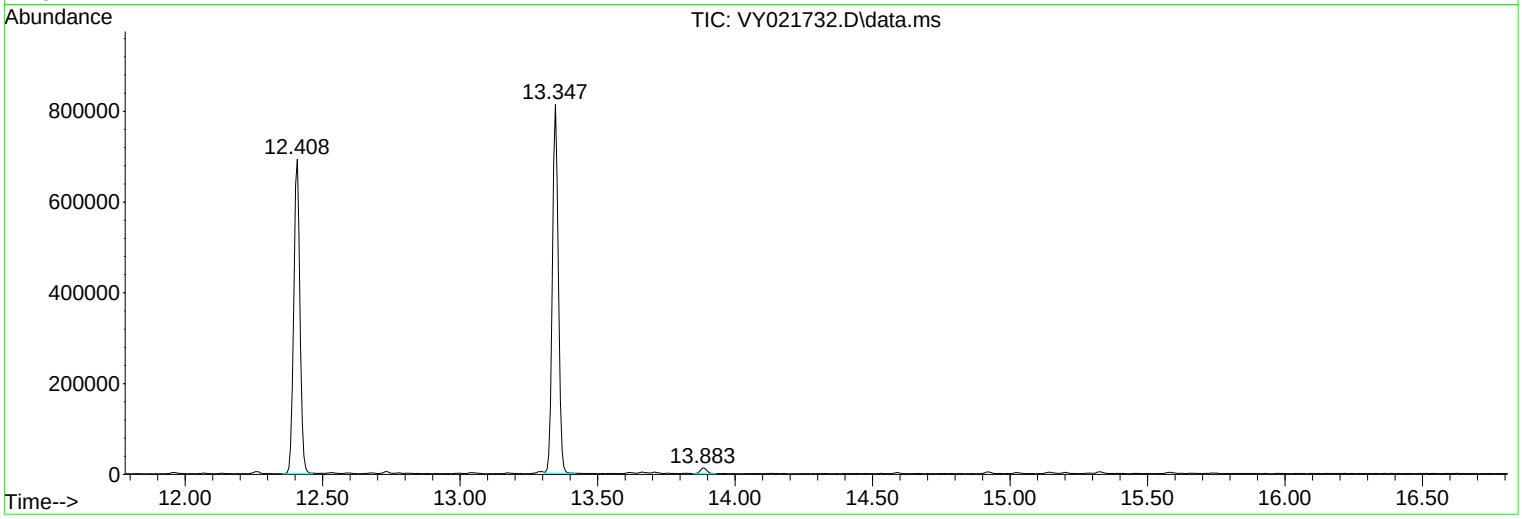
Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY021732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY040125\
Data File : VY021732.D
Acq On : 01 Apr 2025 10:52
Operator : SY/MD
Sample : VY0401SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.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\VY033125\
Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 05:33:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	209979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	327567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291569	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	145397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114544	50.348	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.700%			
35) Dibromofluoromethane	7.634	113	112006	52.712	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.420%			
50) Toluene-d8	10.109	98	421935	52.196	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.400%			
62) 4-Bromofluorobenzene	12.407	95	139565	51.043	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	42694	19.617	ug/l	99
3) Chloromethane	2.068	50	59061	19.299	ug/l	99
4) Vinyl Chloride	2.202	62	66406	19.187	ug/l	100
5) Bromomethane	2.592	94	48623	20.599	ug/l	99
6) Chloroethane	2.732	64	44015	19.435	ug/l	97
7) Trichlorofluoromethane	3.055	101	86708	19.558	ug/l	96
8) Diethyl Ether	3.452	74	22675	18.807	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	46607	19.932	ug/l	98
10) Methyl Iodide	4.007	142	43781	17.067	ug/l	98
11) Tert butyl alcohol	4.860	59	13209	89.388	ug/l	98
12) 1,1-Dichloroethene	3.793	96	42010	19.074	ug/l	91
13) Acrolein	3.647	56	20472	75.872	ug/l	99
14) Allyl chloride	4.378	41	67154	19.123	ug/l	99
15) Acrylonitrile	5.061	53	46751	92.869	ug/l	99
16) Acetone	3.866	43	44494	95.560	ug/l	98
17) Carbon Disulfide	4.104	76	136937	18.877	ug/l	99
18) Methyl Acetate	4.385	43	22222	19.257	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	102080	18.616	ug/l	99
20) Methylene Chloride	4.616	84	51551	20.331	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	46975	19.371	ug/l	95
22) Diisopropyl ether	6.018	45	145363	19.733	ug/l	97
23) Vinyl Acetate	5.957	43	402538	93.408	ug/l	99
24) 1,1-Dichloroethane	5.915	63	87037	19.759	ug/l	99
25) 2-Butanone	6.890	43	60441	90.883	ug/l	100
26) 2,2-Dichloropropane	6.884	77	76700	19.575	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	53359	19.566	ug/l	98
28) Bromochloromethane	7.244	49	36351	19.568	ug/l	96
29) Tetrahydrofuran	7.262	42	39804	92.997	ug/l	99
30) Chloroform	7.421	83	90776	19.814	ug/l	99
31) Cyclohexane	7.701	56	74083	18.450	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	82041	19.813	ug/l	99
36) 1,1-Dichloropropene	7.835	75	62556	19.328	ug/l	97
37) Ethyl Acetate	6.988	43	28539	18.684	ug/l	99
38) Carbon Tetrachloride	7.817	117	74182	20.012	ug/l	96
39) Methylcyclohexane	9.109	83	72833	18.838	ug/l	97
40) Benzene	8.079	78	191618	19.770	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 05:33:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	16227m	20.004	ug/l		
42) 1,2-Dichloroethane	8.158	62	54319	19.879	ug/l		99
43) Isopropyl Acetate	8.195	43	52723	18.214	ug/l		99
44) Trichloroethene	8.865	130	49144	19.900	ug/l		98
45) 1,2-Dichloropropane	9.140	63	46508	20.271	ug/l		99
46) Dibromomethane	9.231	93	26264	19.863	ug/l		99
47) Bromodichloromethane	9.420	83	68455	19.980	ug/l		97
48) Methyl methacrylate	9.219	41	23970	18.043	ug/l		98
49) 1,4-Dioxane	9.225	88	5445	384.406	ug/l		92
51) 4-Methyl-2-Pentanone	9.999	43	138649	92.043	ug/l		100
52) Toluene	10.170	92	121643	20.115	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	59086	19.416	ug/l		99
54) cis-1,3-Dichloropropene	9.859	75	70169	19.545	ug/l		96
55) 1,1,2-Trichloroethane	10.572	97	33939	19.946	ug/l		98
56) Ethyl methacrylate	10.438	69	39458	18.161	ug/l		99
57) 1,3-Dichloropropane	10.719	76	57715	19.639	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	101196	95.474	ug/l		98
59) 2-Hexanone	10.761	43	90774	90.484	ug/l		98
60) Dibromochloromethane	10.914	129	46243	19.905	ug/l		99
61) 1,2-Dibromoethane	11.011	107	31289	19.602	ug/l		99
64) Tetrachloroethene	10.646	164	53898	20.297	ug/l		98
65) Chlorobenzene	11.444	112	130206	19.481	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	46738	19.709	ug/l		98
67) Ethyl Benzene	11.517	91	219797	19.178	ug/l		100
68) m/p-Xylenes	11.627	106	170854	38.930	ug/l		99
69) o-Xylene	11.956	106	77769	19.197	ug/l		99
70) Styrene	11.969	104	133024	19.694	ug/l		99
71) Bromoform	12.133	173	27019	19.974	ug/l	#	98
73) Isopropylbenzene	12.255	105	209283	19.380	ug/l		100
74) N-amyl acetate	12.072	43	44341	17.495	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	37610	19.371	ug/l		98
76) 1,2,3-Trichloropropane	12.560	75	23540m	16.333	ug/l		
77) Bromobenzene	12.536	156	50810	19.596	ug/l		98
78) n-propylbenzene	12.596	91	255379	19.670	ug/l		100
79) 2-Chlorotoluene	12.682	91	149058	19.767	ug/l		100
80) 1,3,5-Trimethylbenzene	12.737	105	173479	19.655	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11906	19.034	ug/l		96
82) 4-Chlorotoluene	12.779	91	153149	19.480	ug/l		99
83) tert-Butylbenzene	12.999	119	150109	19.095	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	171420	19.651	ug/l		100
85) sec-Butylbenzene	13.176	105	225682	19.644	ug/l		99
86) p-Isopropyltoluene	13.291	119	186815	19.674	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	102433	20.052	ug/l		98
88) 1,4-Dichlorobenzene	13.371	146	100004	19.814	ug/l		99
89) n-Butylbenzene	13.621	91	169456	19.297	ug/l		99
90) Hexachloroethane	13.883	117	40626	19.524	ug/l		99
91) 1,2-Dichlorobenzene	13.663	146	88038	19.797	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5686	18.895	ug/l		96
93) 1,2,4-Trichlorobenzene	14.925	180	44234	18.342	ug/l		98
94) Hexachlorobutadiene	15.029	225	28512	18.931	ug/l		98
95) Naphthalene	15.145	128	64689	16.183	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	36636	17.815	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 05:33:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

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

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

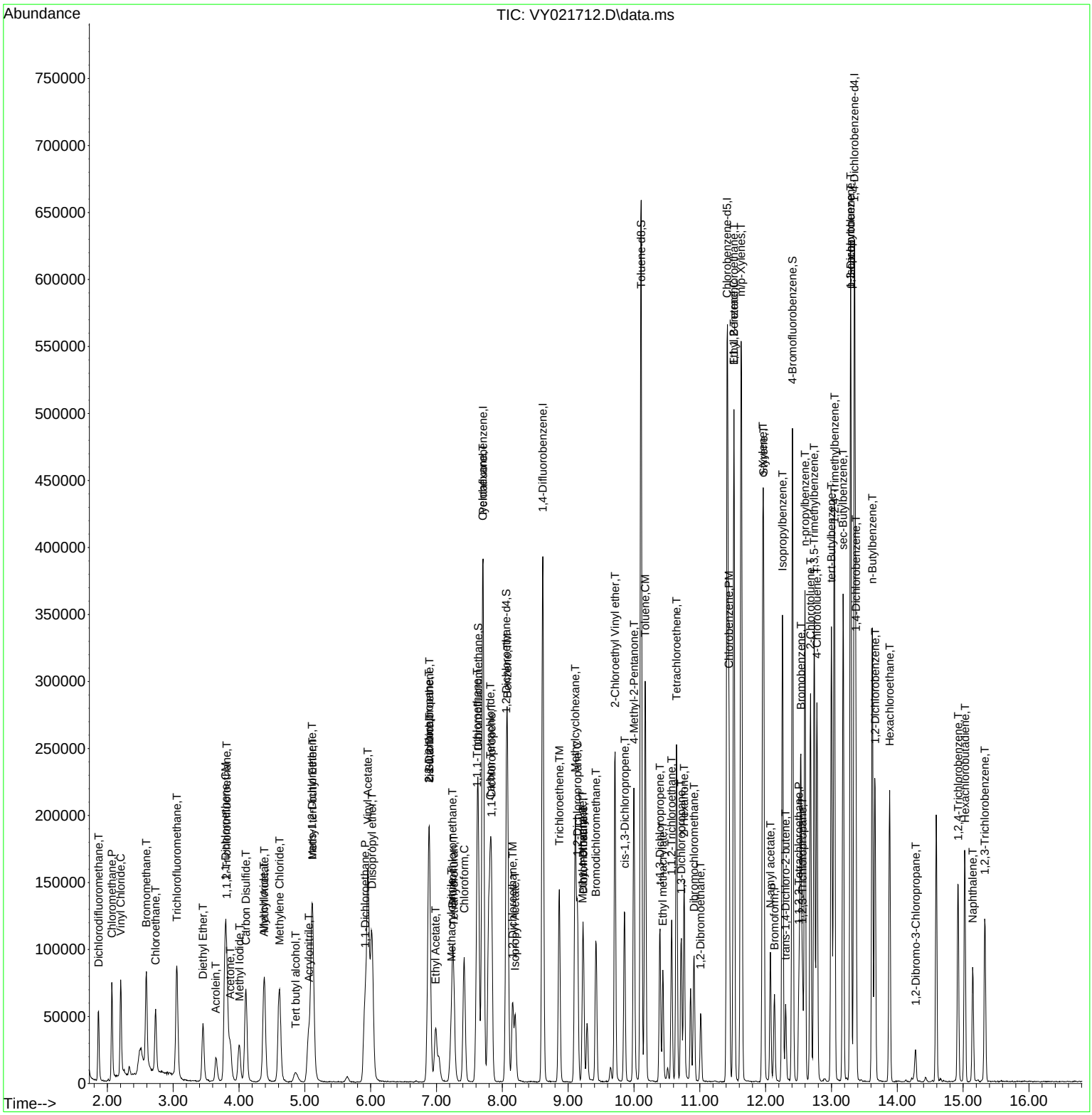
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021712.D
Acq On : 31 Mar 2025 11:43
Operator : SY/MD
Sample : VY0331SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 01 05:33:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021733.D
Acq On : 01 Apr 2025 11:30
Operator : SY/MD
Sample : VY0401SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 03:22:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	262284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	407591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	358349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148566	52.279	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.560%			
35) Dibromofluoromethane	7.634	113	143137	54.137	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.280%			
50) Toluene-d8	10.103	98	552526	54.931	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.860%			
62) 4-Bromofluorobenzene	12.408	95	184811	54.320	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	52708	19.389	ug/l	98
3) Chloromethane	2.068	50	69229	18.110	ug/l	98
4) Vinyl Chloride	2.202	62	79314	18.347	ug/l	100
5) Bromomethane	2.586	94	58063	19.693	ug/l	99
6) Chloroethane	2.732	64	52067	18.406	ug/l	99
7) Trichlorofluoromethane	3.056	101	108844	19.655	ug/l	99
8) Diethyl Ether	3.452	74	29391	19.516	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.811	101	58802	20.132	ug/l	99
10) Methyl Iodide	4.000	142	57434	17.924	ug/l	99
11) Tert butyl alcohol	4.854	59	16186	87.691	ug/l	99
12) 1,1-Dichloroethene	3.787	96	54196	19.700	ug/l	91
13) Acrolein	3.647	56	25175	74.696	ug/l	100
14) Allyl chloride	4.378	41	82560	18.822	ug/l	98
15) Acrylonitrile	5.055	53	58322	92.750	ug/l	99
16) Acetone	3.866	43	54827	94.269	ug/l	93
17) Carbon Disulfide	4.104	76	168907	18.640	ug/l	97
18) Methyl Acetate	4.385	43	26825	18.610	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	130257	19.017	ug/l	98
20) Methylene Chloride	4.610	84	61724	19.315	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	60292	19.905	ug/l	98
22) Diisopropyl ether	6.018	45	178430	19.391	ug/l	98
23) Vinyl Acetate	5.957	43	500924	93.058	ug/l	97
24) 1,1-Dichloroethane	5.915	63	107840	19.600	ug/l	99
25) 2-Butanone	6.890	43	77870	93.740	ug/l	100
26) 2,2-Dichloropropane	6.884	77	94979	19.406	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	66817	19.615	ug/l	98
28) Bromochloromethane	7.244	49	44742	19.282	ug/l	99
29) Tetrahydrofuran	7.256	42	47928	89.647	ug/l	96
30) Chloroform	7.415	83	111174	19.427	ug/l	92
31) Cyclohexane	7.695	56	94288	18.799	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	102527	19.822	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79309	19.693	ug/l	98
37) Ethyl Acetate	6.982	43	36034	18.959	ug/l	99
38) Carbon Tetrachloride	7.811	117	93478	20.266	ug/l	96
39) Methylcyclohexane	9.109	83	94387	19.619	ug/l	97
40) Benzene	8.079	78	240138	19.911	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021733.D
Acq On : 01 Apr 2025 11:30
Operator : SY/MD
Sample : VY0401SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 03:22:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.213	41	18293m	18.123	ug/l		
42) 1,2-Dichloroethane	8.158	62	66624	19.595	ug/l		100
43) Isopropyl Acetate	8.195	43	69114	19.189	ug/l	#	86
44) Trichloroethene	8.865	130	63043	20.516	ug/l		95
45) 1,2-Dichloropropane	9.140	63	57479	20.134	ug/l		99
46) Dibromomethane	9.225	93	32300	19.632	ug/l		97
47) Bromodichloromethane	9.420	83	84013	19.707	ug/l		99
48) Methyl methacrylate	9.219	41	30905	18.696	ug/l		100
49) 1,4-Dioxane	9.231	88	7023	398.466	ug/l		96
51) 4-Methyl-2-Pentanone	9.999	43	177237	94.559	ug/l		99
52) Toluene	10.170	92	150299	19.974	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	73353	19.371	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	87090	19.495	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	42257	19.958	ug/l		98
56) Ethyl methacrylate	10.438	69	50856	18.811	ug/l		98
57) 1,3-Dichloropropane	10.719	76	71498	19.553	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	130109	98.652	ug/l		100
59) 2-Hexanone	10.761	43	118439	94.881	ug/l		100
60) Dibromochloromethane	10.914	129	57761	19.981	ug/l		99
61) 1,2-Dibromoethane	11.011	107	39631	19.954	ug/l		98
64) Tetrachloroethene	10.646	164	67787	20.770	ug/l		96
65) Chlorobenzene	11.444	112	163162	19.863	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.517	131	57780	19.825	ug/l		99
67) Ethyl Benzene	11.517	91	279312	19.829	ug/l		100
68) m/p-Xylenes	11.627	106	213197	39.525	ug/l		99
69) o-Xylene	11.956	106	99393	19.962	ug/l		99
70) Styrene	11.969	104	164968	19.872	ug/l		99
71) Bromoform	12.133	173	34082	20.501	ug/l	#	99
73) Isopropylbenzene	12.255	105	263449	19.814	ug/l		100
74) N-amyl acetate	12.072	43	56258	18.029	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	44993	18.822	ug/l		100
76) 1,2,3-Trichloropropane	12.554	75	35449m	19.977	ug/l		
77) Bromobenzene	12.529	156	63312	19.832	ug/l		99
78) n-propylbenzene	12.597	91	318964	19.954	ug/l		98
79) 2-Chlorotoluene	12.682	91	185554	19.986	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	217918	20.054	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.298	75	14203	18.443	ug/l		97
82) 4-Chlorotoluene	12.779	91	193577	19.999	ug/l		99
83) tert-Butylbenzene	12.999	119	192081	19.845	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	216682	20.175	ug/l		99
85) sec-Butylbenzene	13.176	105	282492	19.971	ug/l		100
86) p-Isopropyltoluene	13.291	119	232750	19.909	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	124312	19.765	ug/l		100
88) 1,4-Dichlorobenzene	13.365	146	122507	19.714	ug/l		98
89) n-Butylbenzene	13.615	91	210873	19.504	ug/l		100
90) Hexachloroethane	13.877	117	49366	19.269	ug/l		96
91) 1,2-Dichlorobenzene	13.657	146	107999	19.725	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7455	20.121	ug/l		96
93) 1,2,4-Trichlorobenzene	14.919	180	57035	19.209	ug/l		99
94) Hexachlorobutadiene	15.023	225	37553	20.252	ug/l		97
95) Naphthalene	15.145	128	90494	18.388	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	48126	19.008	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021733.D
Acq On : 01 Apr 2025 11:30
Operator : SY/MD
Sample : VY0401SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 03:22:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025

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

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

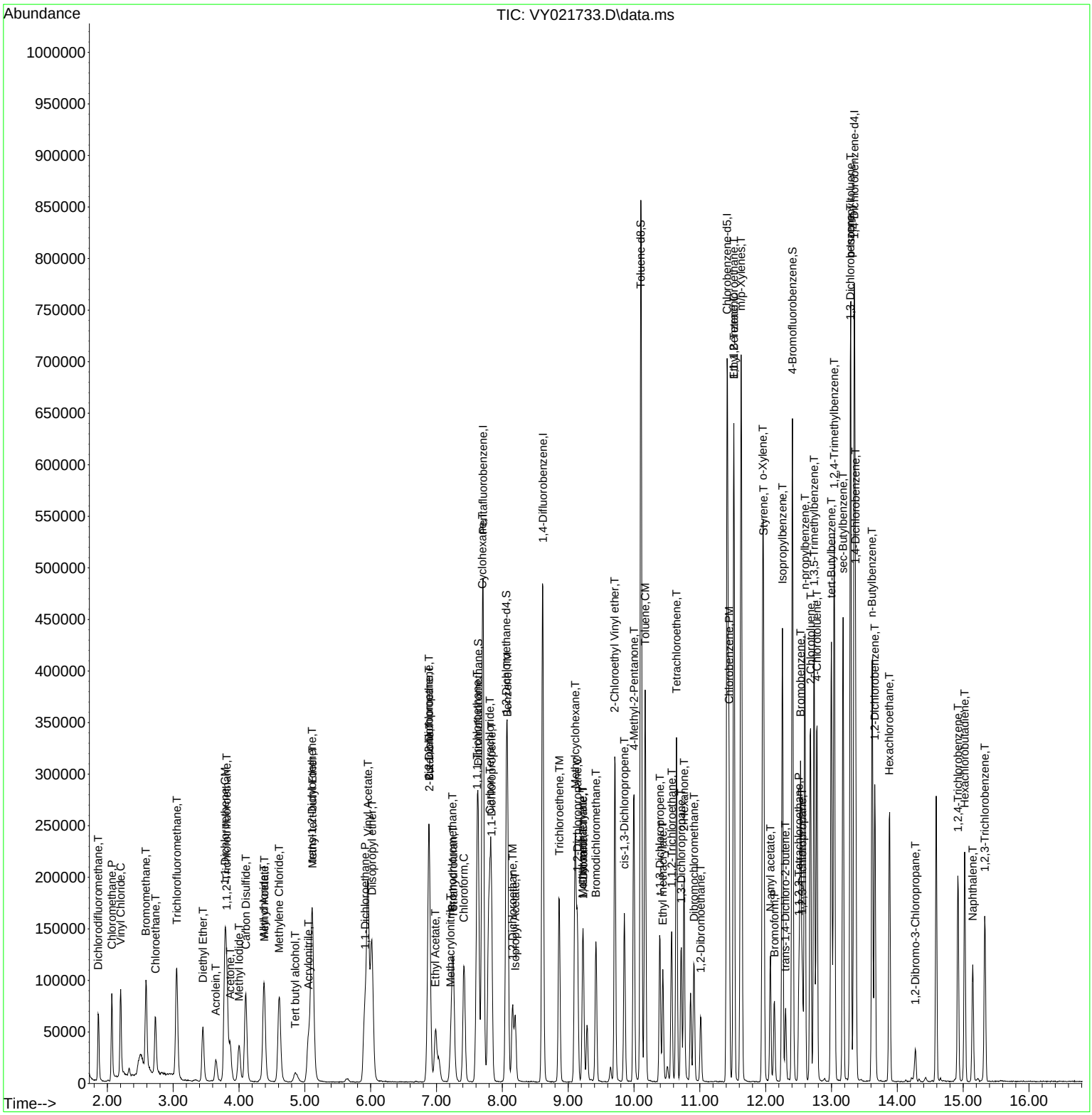
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
Data File : VY021733.D
Acq On : 01 Apr 2025 11:30
Operator : SY/MD
Sample : VY0401SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 02 03:22:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0401SBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/02/2025
Supervised By :Mahesh Dadoda 04/02/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021713.D
Acq On : 31 Mar 2025 12:06
Operator : SY/MD
Sample : VY0331SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 01 05:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	214172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	331290	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	291157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125981	54.291	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.580%			
35) Dibromofluoromethane	7.634	113	121317	56.452	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.900%			
50) Toluene-d8	10.109	98	462747	56.601	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.200%			
62) 4-Bromofluorobenzene	12.407	95	151475	54.776	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	43626	19.653	ug/l	98
3) Chloromethane	2.068	50	60316	19.323	ug/l	98
4) Vinyl Chloride	2.202	62	67633	19.159	ug/l	95
5) Bromomethane	2.586	94	49205	20.437	ug/l	95
6) Chloroethane	2.732	64	44019	19.057	ug/l	95
7) Trichlorofluoromethane	3.056	101	88007	19.462	ug/l	99
8) Diethyl Ether	3.452	74	22584	18.365	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	47657	19.982	ug/l	97
10) Methyl Iodide	4.000	142	48259	18.444	ug/l	100
11) Tert butyl alcohol	4.860	59	12945	85.887	ug/l #	86
12) 1,1-Dichloroethene	3.787	96	43832	19.512	ug/l	97
13) Acrolein	3.653	56	20950	76.124	ug/l	100
14) Allyl chloride	4.385	41	68559	19.141	ug/l	99
15) Acrylonitrile	5.055	53	47958	93.401	ug/l	100
16) Acetone	3.866	43	41350	87.069	ug/l	98
17) Carbon Disulfide	4.104	76	138743	18.751	ug/l	99
18) Methyl Acetate	4.385	43	21339	18.130	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	105013	18.776	ug/l	98
20) Methylene Chloride	4.616	84	52448	20.269	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	47808	19.329	ug/l	98
22) Diisopropyl ether	6.018	45	148556	19.772	ug/l	99
23) Vinyl Acetate	5.957	43	413157	93.995	ug/l	100
24) 1,1-Dichloroethane	5.915	63	89165	19.846	ug/l	99
25) 2-Butanone	6.896	43	60244	88.813	ug/l	99
26) 2,2-Dichloropropane	6.884	77	79081	19.788	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	55430	19.928	ug/l	98
28) Bromochloromethane	7.238	49	37974	20.041	ug/l	99
29) Tetrahydrofuran	7.262	42	38304	87.740	ug/l	98
30) Chloroform	7.421	83	93099	19.923	ug/l	100
31) Cyclohexane	7.695	56	78108	19.072	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	82975	19.646	ug/l	99
36) 1,1-Dichloropropene	7.835	75	65580	20.035	ug/l	99
37) Ethyl Acetate	6.982	43	27891	18.055	ug/l	98
38) Carbon Tetrachloride	7.817	117	74942	19.990	ug/l	99
39) Methylcyclohexane	9.109	83	76173	19.480	ug/l	98
40) Benzene	8.079	78	195801	19.974	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021713.D
Acq On : 31 Mar 2025 12:06
Operator : SY/MD
Sample : VY0331SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 01 05:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	14249	17.368	ug/l	#	100
42) 1,2-Dichloroethane	8.158	62	55480	20.076	ug/l		99
43) Isopropyl Acetate	8.195	43	54406	18.584	ug/l		99
44) Trichloroethene	8.865	130	50660	20.283	ug/l		95
45) 1,2-Dichloropropane	9.140	63	46503	20.041	ug/l		95
46) Dibromomethane	9.231	93	26540	19.846	ug/l		97
47) Bromodichloromethane	9.420	83	69415	20.032	ug/l		99
48) Methyl methacrylate	9.219	41	24181	17.997	ug/l		98
49) 1,4-Dioxane	9.231	88	5551	387.486	ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	141241	92.710	ug/l		99
52) Toluene	10.170	92	125988	20.600	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	58898	19.136	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	71708	19.749	ug/l		99
55) 1,1,2-Trichloroethane	10.572	97	34693	20.160	ug/l		97
56) Ethyl methacrylate	10.438	69	40781	18.559	ug/l		99
57) 1,3-Dichloropropane	10.719	76	58702	19.751	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.713	63	103179	96.251	ug/l		100
59) 2-Hexanone	10.761	43	89744	88.452	ug/l		98
60) Dibromochloromethane	10.908	129	46463	19.775	ug/l		98
61) 1,2-Dibromoethane	11.018	107	32020	19.835	ug/l		99
64) Tetrachloroethene	10.646	164	54754	20.648	ug/l		97
65) Chlorobenzene	11.438	112	133977	20.074	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.517	131	48015	20.276	ug/l		100
67) Ethyl Benzene	11.517	91	229825	20.081	ug/l		99
68) m/p-Xylenes	11.627	106	175372	40.016	ug/l		100
69) o-Xylene	11.956	106	79832	19.734	ug/l		98
70) Styrene	11.969	104	134656	19.963	ug/l		99
71) Bromoform	12.133	173	26804	19.844	ug/l	#	100
73) Isopropylbenzene	12.255	105	213911	19.199	ug/l		100
74) N-amyl acetate	12.072	43	45399	17.361	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	36917	18.429	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	28085m	18.887	ug/l		
77) Bromobenzene	12.529	156	53109	19.852	ug/l		96
78) n-propylbenzene	12.596	91	262582	19.602	ug/l		100
79) 2-Chlorotoluene	12.682	91	154163	19.815	ug/l		98
80) 1,3,5-Trimethylbenzene	12.737	105	180420	19.813	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11833	18.336	ug/l		98
82) 4-Chlorotoluene	12.779	91	158827	19.581	ug/l		99
83) tert-Butylbenzene	12.999	119	156181	19.256	ug/l		100
84) 1,2,4-Trimethylbenzene	13.042	105	176963	19.662	ug/l		98
85) sec-Butylbenzene	13.176	105	231582	19.537	ug/l		100
86) p-Isopropyltoluene	13.291	119	192703	19.670	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	105477	20.012	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	101406	19.473	ug/l		97
89) n-Butylbenzene	13.621	91	174870	19.301	ug/l		99
90) Hexachloroethane	13.883	117	41057	19.124	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	90863	19.804	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5726	18.442	ug/l		97
93) 1,2,4-Trichlorobenzene	14.919	180	46190	18.564	ug/l		97
94) Hexachlorobutadiene	15.023	225	31077	19.999	ug/l		98
95) Naphthalene	15.145	128	71488	17.334	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	40094	18.897	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021713.D
Acq On : 31 Mar 2025 12:06
Operator : SY/MD
Sample : VY0331SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 01 05:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025

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

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

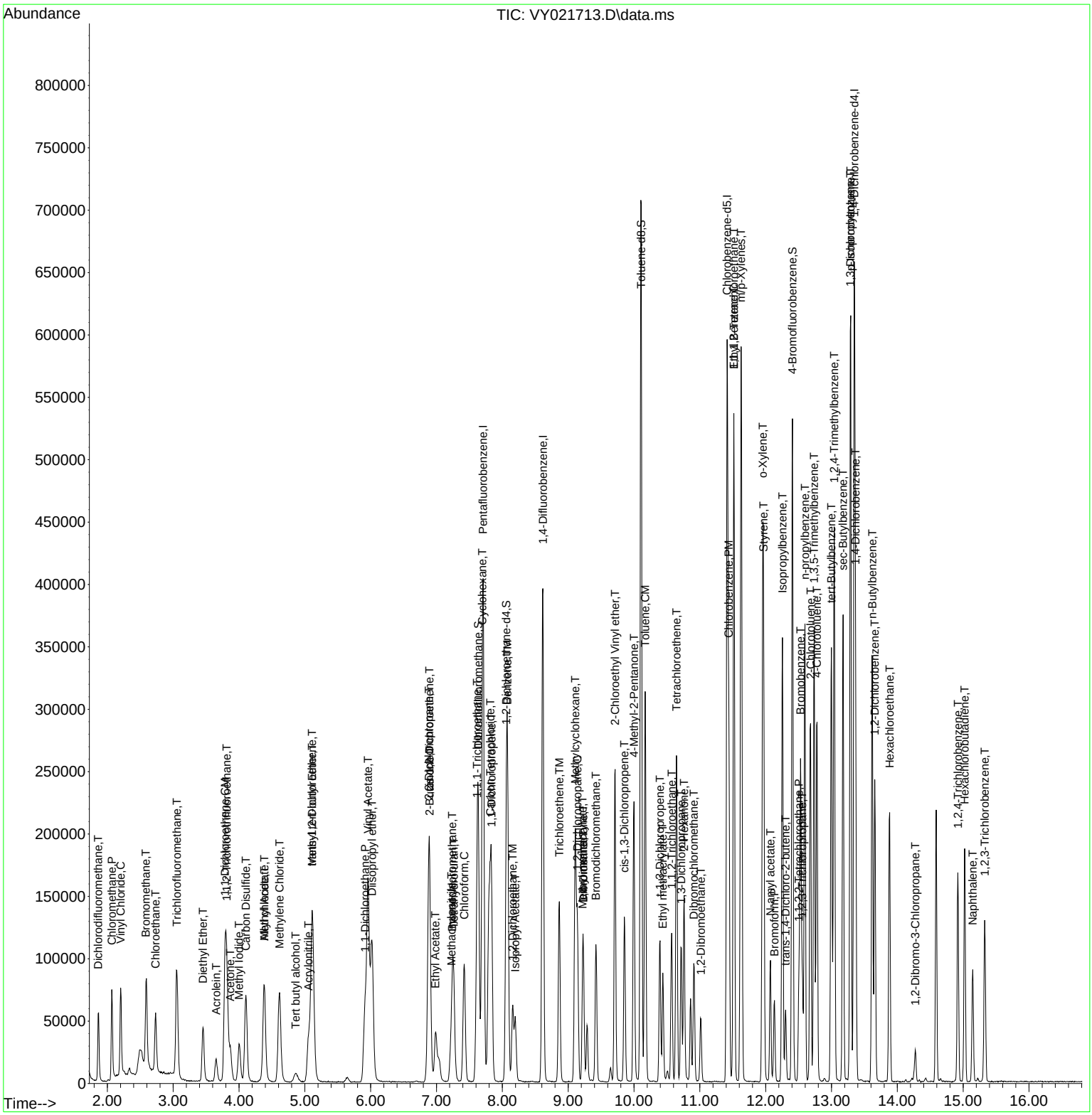
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
Data File : VY021713.D
Acq On : 31 Mar 2025 12:06
Operator : SY/MD
Sample : VY0331SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 01 05:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 28 02:30:29 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0331SBSD01

Manual Integrations APPROVED

Reviewed By :Amit Patel 04/01/2025
Supervised By :Mahesh Dadoda 04/01/2025



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Manual Integration Report

Sequence:	vy032725	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY021656.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC005	VY021656.D	Methacrylonitrile	Romaben	3/28/2025 9:14:28 AM	MMDadoda	3/28/2025 9:32:34 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC010	VY021657.D	Methacrylonitrile	Romaben	3/28/2025 9:14:32 AM	MMDadoda	3/28/2025 9:32:37 AM	Peak Integrated by Software
VSTDICC020	VY021658.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:20 AM	MMDadoda	3/28/2025 9:32:41 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICCC050	VY021659.D	Methacrylonitrile	Romaben	3/28/2025 9:14:38 AM	MMDadoda	3/28/2025 9:32:45 AM	Peak Integrated by Software
VSTDICC100	VY021660.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:15 AM	MMDadoda	3/28/2025 9:32:49 AM	Peak Integrated by Software
VSTDICC150	VY021661.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:43 AM	MMDadoda	3/28/2025 9:32:53 AM	Peak Integrated by Software
VSTDICV050	VY021663.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:15:11 AM	MMDadoda	3/28/2025 9:32:04 AM	Peak Integrated by Software
VSTDCCC050	VY021680.D	1,2,3-Trichloropropane	Romaben	3/28/2025 9:14:58 AM	MMDadoda	3/28/2025 9:32:15 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY033125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021710.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:49 PM	MMDadoda	4/1/2025 1:18:46 PM	Peak Integrated by Software
VY0331SBS01	VY021712.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:51 PM	MMDadoda	4/1/2025 1:18:47 PM	Peak Integrated by Software
VY0331SBS01	VY021712.D	Methacrylonitrile	Amit	4/1/2025 1:17:51 PM	MMDadoda	4/1/2025 1:18:47 PM	Peak Integrated by Software
VY0331SBSD01	VY021713.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:53 PM	MMDadoda	4/1/2025 1:18:49 PM	Peak Integrated by Software
VSTDCCC050	VY021729.D	1,2,3-Trichloropropane	Amit	4/1/2025 1:17:54 PM	MMDadoda	4/1/2025 1:18:51 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vy040125	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021731.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:07 PM	MMDadoda	4/2/2025 2:15:01 PM	Peak Integrated by Software
VY0401SBS01	VY021733.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:08 PM	MMDadoda	4/2/2025 2:15:03 PM	Peak Integrated by Software
VY0401SBS01	VY021733.D	Methacrylonitrile	Amit	4/2/2025 2:13:08 PM	MMDadoda	4/2/2025 2:15:03 PM	Peak Integrated by Software
VSTDCCC050	VY021746.D	1,2,3-Trichloropropane	Amit	4/2/2025 2:13:14 PM	MMDadoda	4/2/2025 2:15:09 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021655.D	27 Mar 2025 09:23	SY/MD	Ok
2	VSTDICC005	VY021656.D	27 Mar 2025 10:08	SY/MD	Ok,M
3	VSTDICC010	VY021657.D	27 Mar 2025 10:31	SY/MD	Ok,M
4	VSTDICC020	VY021658.D	27 Mar 2025 10:54	SY/MD	Ok,M
5	VSTDICCC050	VY021659.D	27 Mar 2025 11:16	SY/MD	Ok,M
6	VSTDICC100	VY021660.D	27 Mar 2025 11:39	SY/MD	Ok,M
7	VSTDICC150	VY021661.D	27 Mar 2025 12:02	SY/MD	Ok,M
8	VIBLK	VY021662.D	27 Mar 2025 12:35	SY/MD	Ok
9	VSTDICV050	VY021663.D	27 Mar 2025 13:15	SY/MD	Ok,M
10	VY0327SBL01	VY021664.D	27 Mar 2025 13:59	SY/MD	Ok
11	VY0327SBS01	VY021665.D	27 Mar 2025 14:38	SY/MD	Ok,M
12	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00	SY/MD	Ok,M
13	Q1661-02	VY021667.D	27 Mar 2025 15:24	SY/MD	Not Ok
14	Q1645-03RE	VY021668.D	27 Mar 2025 15:48	SY/MD	Confirms
15	Q1662-03	VY021669.D	27 Mar 2025 16:11	SY/MD	Not Ok
16	Q1662-07	VY021670.D	27 Mar 2025 16:35	SY/MD	ReRun
17	Q1661-02	VY021671.D	27 Mar 2025 16:58	SY/MD	Not Ok
18	Q1650-02	VY021672.D	27 Mar 2025 17:21	SY/MD	Not Ok
19	Q1654-01	VY021673.D	27 Mar 2025 17:45	SY/MD	Ok
20	Q1656-01	VY021674.D	27 Mar 2025 18:08	SY/MD	Not Ok
21	Q1648-09	VY021675.D	27 Mar 2025 18:32	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM				
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q1648-07	VY021676.D	27 Mar 2025 18:55	SY/MD	Ok
23	Q1648-05	VY021677.D	27 Mar 2025 19:19	SY/MD	Ok
24	Q1648-01	VY021678.D	27 Mar 2025 19:42	SY/MD	Ok
25	Q1648-03	VY021679.D	27 Mar 2025 20:05	SY/MD	Ok
26	VSTDCCC050	VY021680.D	27 Mar 2025 20:28	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY033125

Review By	Amit Patel	Review On	4/1/2025 1:18:02 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/1/2025 1:18:58 PM				
SubDirectory	VY033125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133540
Initial Calibration Stds	
CCC	VP133538,VP133539
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	VY021709.D	31 Mar 2025 09:37	SY/MD	Ok
2	VSTDCCC050	VY021710.D	31 Mar 2025 10:08	SY/MD	Ok,M
3	VY0331SBL01	VY021711.D	31 Mar 2025 11:04	SY/MD	Ok
4	VY0331SBS01	VY021712.D	31 Mar 2025 11:43	SY/MD	Ok,M
5	VY0331SBSD01	VY021713.D	31 Mar 2025 12:06	SY/MD	Ok,M
6	Q1657-01RE	VY021714.D	31 Mar 2025 13:04	SY/MD	Confirms
7	Q1679-03	VY021715.D	31 Mar 2025 13:27	SY/MD	Ok
8	Q1679-07	VY021716.D	31 Mar 2025 13:51	SY/MD	Ok
9	Q1671-03	VY021717.D	31 Mar 2025 14:14	SY/MD	Ok
10	Q1675-01	VY021718.D	31 Mar 2025 14:38	SY/MD	Ok
11	Q1675-05	VY021719.D	31 Mar 2025 15:01	SY/MD	Ok
12	Q1675-06	VY021720.D	31 Mar 2025 15:25	SY/MD	Ok
13	Q1675-07	VY021721.D	31 Mar 2025 15:48	SY/MD	Ok
14	Q1675-08	VY021722.D	31 Mar 2025 16:11	SY/MD	Ok
15	Q1675-09	VY021723.D	31 Mar 2025 16:35	SY/MD	ReRun
16	Q1675-10	VY021724.D	31 Mar 2025 16:58	SY/MD	Ok
17	Q1675-11	VY021725.D	31 Mar 2025 17:22	SY/MD	Ok
18	Q1672-03	VY021726.D	31 Mar 2025 17:45	SY/MD	Ok
19	Q1674-01	VY021727.D	31 Mar 2025 18:08	SY/MD	Ok
20	Q1674-03	VY021728.D	31 Mar 2025 18:32	SY/MD	Ok
21	VSTDCCC050	VY021729.D	31 Mar 2025 18:55	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040125

Review By	Amit Patel	Review On	4/2/2025 2:13:19 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/2/2025 2:15:14 PM				
SubDirectory	VY040125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133555
Initial Calibration Stds	
CCC	VP133556,VP133557
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	VY021730.D	01 Apr 2025 09:35	SY/MD	Ok
2	VSTDCCC050	VY021731.D	01 Apr 2025 10:13	SY/MD	Ok,M
3	VY0401SBL01	VY021732.D	01 Apr 2025 10:52	SY/MD	Ok
4	VY0401SBS01	VY021733.D	01 Apr 2025 11:30	SY/MD	Ok,M
5	VY0401SBSD01	VY021734.D	01 Apr 2025 11:52	SY/MD	Ok,M
6	Q1681-03	VY021735.D	01 Apr 2025 12:36	SY/MD	Ok
7	Q1680-03	VY021736.D	01 Apr 2025 12:59	SY/MD	Ok
8	Q1675-09	VY021737.D	01 Apr 2025 13:22	SY/MD	Ok
9	Q1675-12	VY021738.D	01 Apr 2025 13:46	SY/MD	Ok
10	IBLK	VY021739.D	01 Apr 2025 14:19	SY/MD	Ok
11	Q1664-02MS	VY021740.D	01 Apr 2025 14:42	SY/MD	Ok,M
12	Q1664-03MSD	VY021741.D	01 Apr 2025 15:05	SY/MD	Ok,M
13	IBLK	VY021742.D	01 Apr 2025 15:28	SY/MD	Ok
14	Q1687-01	VY021743.D	01 Apr 2025 15:52	SY/MD	Not Ok
15	Q1688-01	VY021744.D	01 Apr 2025 16:15	SY/MD	Not Ok
16	Q1692-01	VY021745.D	01 Apr 2025 16:38	SY/MD	ReRun
17	VSTDCCC050	VY021746.D	01 Apr 2025 17:01	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021655.D	27 Mar 2025 09:23		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021656.D	27 Mar 2025 10:08		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY021657.D	27 Mar 2025 10:31		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021658.D	27 Mar 2025 10:54	Comp.#20 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021659.D	27 Mar 2025 11:16		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021660.D	27 Mar 2025 11:39		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021661.D	27 Mar 2025 12:02		SY/MD	Ok,M
8	VIBLK	VIBLK	VY021662.D	27 Mar 2025 12:35		SY/MD	Ok
9	VSTDICV050	ICVVY032725	VY021663.D	27 Mar 2025 13:15		SY/MD	Ok,M
10	VY0327SBL01	VY0327SBL01	VY021664.D	27 Mar 2025 13:59		SY/MD	Ok
11	VY0327SBS01	VY0327SBS01	VY021665.D	27 Mar 2025 14:38		SY/MD	Ok,M
12	VY0327SBSD01	VY0327SBSD01	VY021666.D	27 Mar 2025 15:00		SY/MD	Ok,M
13	Q1661-02	351	VY021667.D	27 Mar 2025 15:24	vial-B Not purge	SY/MD	Not Ok
14	Q1645-03RE	TP-4-VOCRE	VY021668.D	27 Mar 2025 15:48	vial-B Internal Standard Fail	SY/MD	Confirms
15	Q1662-03	TP-6-VOC	VY021669.D	27 Mar 2025 16:11	vial-A NOT PURGE	SY/MD	Not Ok
16	Q1662-07	TP-7-VOC	VY021670.D	27 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
17	Q1661-02	351	VY021671.D	27 Mar 2025 16:58	vial-A NOT PURGE	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY032725

Review By	Mahesh Dadoda	Review On	3/28/2025 3:29:57 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/28/2025 3:30:48 PM		
SubDirectory	VY032725	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133499
Initial Calibration Stds	VP133500,VP133501,VP133502,VP133503,VP133505,VP133508
CCC	VP133510
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133509
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q1650-02	STOCK-PILE-BIN2	VY021672.D	27 Mar 2025 17:21	vial-A NOT PURGE	SY/MD	Not Ok
19	Q1654-01	RT3407	VY021673.D	27 Mar 2025 17:45	vial-A Internal Standard Fail	SY/MD	Ok
20	Q1656-01	VNJ239	VY021674.D	27 Mar 2025 18:08	vial-A NOT PURGE	SY/MD	Not Ok
21	Q1648-09	TP-7	VY021675.D	27 Mar 2025 18:32	vial-A	SY/MD	Ok
22	Q1648-07	TP-6	VY021676.D	27 Mar 2025 18:55	vial-A	SY/MD	Ok
23	Q1648-05	TP-3	VY021677.D	27 Mar 2025 19:19	vial-A	SY/MD	Ok
24	Q1648-01	TP-4	VY021678.D	27 Mar 2025 19:42	vial-A	SY/MD	Ok
25	Q1648-03	TP-5	VY021679.D	27 Mar 2025 20:05	vial-A	SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY021680.D	27 Mar 2025 20:28		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY033125

Review By	Amit Patel	Review On	4/1/2025 1:18:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/1/2025 1:18:58 PM		
SubDirectory	VY033125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133540
Initial Calibration Stds	
CCC	VP133538,VP133539
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	VY021709.D	31 Mar 2025 09:37		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021710.D	31 Mar 2025 10:08		SY/MD	Ok,M
3	VY0331SBL01	VY0331SBL01	VY021711.D	31 Mar 2025 11:04		SY/MD	Ok
4	VY0331SBS01	VY0331SBS01	VY021712.D	31 Mar 2025 11:43		SY/MD	Ok,M
5	VY0331SBSD01	VY0331SBSD01	VY021713.D	31 Mar 2025 12:06		SY/MD	Ok,M
6	Q1657-01RE	72-11998RE	VY021714.D	31 Mar 2025 13:04	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q1679-03	TP-10-VOC	VY021715.D	31 Mar 2025 13:27	vial-A	SY/MD	Ok
8	Q1679-07	TP-9-VOC	VY021716.D	31 Mar 2025 13:51	vial-A	SY/MD	Ok
9	Q1671-03	WC-1-VOC	VY021717.D	31 Mar 2025 14:14	vial-A	SY/MD	Ok
10	Q1675-01	P1	VY021718.D	31 Mar 2025 14:38	vial-A	SY/MD	Ok
11	Q1675-05	P5	VY021719.D	31 Mar 2025 15:01	vial-A	SY/MD	Ok
12	Q1675-06	P6	VY021720.D	31 Mar 2025 15:25	vial-A	SY/MD	Ok
13	Q1675-07	T1	VY021721.D	31 Mar 2025 15:48	vial-A	SY/MD	Ok
14	Q1675-08	T2	VY021722.D	31 Mar 2025 16:11	vial-A	SY/MD	Ok
15	Q1675-09	T3	VY021723.D	31 Mar 2025 16:35	vial-A Internal Standard Fail	SY/MD	ReRun
16	Q1675-10	T4	VY021724.D	31 Mar 2025 16:58	vial-A	SY/MD	Ok
17	Q1675-11	T5	VY021725.D	31 Mar 2025 17:22	vial-A	SY/MD	Ok
18	Q1672-03	TP-8-VOC	VY021726.D	31 Mar 2025 17:45		SY/MD	Ok

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY033125

Review By	Amit Patel	Review On	4/1/2025 1:18:02 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/1/2025 1:18:58 PM		
SubDirectory	VY033125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133540
Initial Calibration Stds	
CCC	VP133538,VP133539
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1674-01	RT5358	VY021727.D	31 Mar 2025 18:08		SY/MD	Ok
20	Q1674-03	72-11991	VY021728.D	31 Mar 2025 18:32		SY/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VY021729.D	31 Mar 2025 18:55		SY/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY040125

Review By	Amit Patel	Review On	4/2/2025 2:13:19 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/2/2025 2:15:14 PM		
SubDirectory	VY040125	HP Acquire Method	MSVOA_Y	HP Processing Method	82y032725s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133555
Initial Calibration Stds	
CCC	VP133556,VP133557
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	VY021730.D	01 Apr 2025 09:35		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021731.D	01 Apr 2025 10:13		SY/MD	Ok,M
3	VY0401SBL01	VY0401SBL01	VY021732.D	01 Apr 2025 10:52		SY/MD	Ok
4	VY0401SBS01	VY0401SBS01	VY021733.D	01 Apr 2025 11:30		SY/MD	Ok,M
5	VY0401SBSD01	VY0401SBSD01	VY021734.D	01 Apr 2025 11:52		SY/MD	Ok,M
6	Q1681-03	TP-12-VOC	VY021735.D	01 Apr 2025 12:36	vial-A	SY/MD	Ok
7	Q1680-03	TP-4-VOC	VY021736.D	01 Apr 2025 12:59	vial-A	SY/MD	Ok
8	Q1675-09	T3	VY021737.D	01 Apr 2025 13:22	vial-B	SY/MD	Ok
9	Q1675-12	T6	VY021738.D	01 Apr 2025 13:46	vial-A	SY/MD	Ok
10	IBLK	IBLK	VY021739.D	01 Apr 2025 14:19		SY/MD	Ok
11	Q1664-02MS	P001-BBDGA-001-01M	VY021740.D	01 Apr 2025 14:42	vial-B Internal Standard Fail	SY/MD	Ok,M
12	Q1664-03MSD	P001-BBDGA-001-01M	VY021741.D	01 Apr 2025 15:05	vial-B	SY/MD	Ok,M
13	IBLK	IBLK	VY021742.D	01 Apr 2025 15:28		SY/MD	Ok
14	Q1687-01	72-12016	VY021743.D	01 Apr 2025 15:52	Not purged	SY/MD	Not Ok
15	Q1688-01	OR-02-040125	VY021744.D	01 Apr 2025 16:15	vial-A Not purge	SY/MD	Not Ok
16	Q1692-01	NB-08-04012025	VY021745.D	01 Apr 2025 16:38	vial-A Internal Standard Fail	SY/MD	ReRun
17	VSTDCCC050	VSTDCCC050EC	VY021746.D	01 Apr 2025 17:01		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1675	**OrderDate:**	3/28/2025 11:22:41 AM
Client:	G Environmental	**Project:**	Stockton
Contact:	Gary Landis	**Location:**	I31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1675-01	**P1**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-05	**P5**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-06	**P6**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-07	**T1**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-08	**T2**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-09	**T3**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			04/01/25	
Q1675-10	**T4**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-11	**T5**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			03/31/25	
Q1675-12	**T6**	**SOIL**			**03/27/25**			**03/28/25**
			VOC-TCLVOA-10	8260D			04/01/25	